

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061991.D
 Acq On : 24 Apr 2019 12:04
 Operator : VA/AP
 Sample : VD0424SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:38 AM

Quant Time: Apr 25 09:22:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	598963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	905835	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	762575	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	343305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	255054	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	6.93	113	371914	59.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.74%	
50) Toluene-d8	10.42	98	890933	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
62) 4-Bromofluorobenzene	13.56	95	331651	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	92713	17.335	ug/l	99
3) Chloromethane	1.75	50	83659	18.404	ug/l #	88
4) Vinyl Chloride	1.84	62	77929	18.915	ug/l	99
5) Bromomethane	2.15	94	19190	15.206	ug/l	87
6) Chloroethane	2.26	64	27215	18.274	ug/l	89
7) Trichlorofluoromethane	2.52	101	118452	19.015	ug/l	95
8) Diethyl Ether	2.88	74	31806	19.050	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	121978	21.256	ug/l	95
10) Methyl Iodide	3.31	142	119541	17.617	ug/l	98
11) Tert butyl alcohol	4.06	59	25107	94.792	ug/l	95
12) 1,1-Dichloroethene	3.12	96	99749	20.431	ug/l	97
13) Acrolein	3.04	56	28964	105.395	ug/l	99
14) Allyl chloride	3.62	41	128844	19.327	ug/l	96
15) Acrylonitrile	4.20	53	74613	90.973	ug/l	93
16) Acetone	3.22	43	103839	92.770	ug/l	98
17) Carbon Disulfide	3.38	76	264847	18.773	ug/l	100
18) Methyl Acetate	3.64	43	42028	19.380	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	174964	18.062	ug/l	96
20) Methylene Chloride	3.81	84	132026	22.473	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	100775	17.993	ug/l	98
22) Diisopropyl ether	5.12	45	293408	18.851	ug/l	99
23) Vinyl Acetate	5.06	43	778215	96.010	ug/l	99
24) 1,1-Dichloroethane	4.99	63	187801	19.963	ug/l	97
25) 2-Butanone	6.08	43	134107	98.820	ug/l	94
26) 2,2-Dichloropropane	6.03	77	170388	20.761	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	129996	20.403	ug/l	94
28) Bromochloromethane	6.44	49	75188	20.888	ug/l	98
29) Tetrahydrofuran	6.46	42	64232	96.059	ug/l	100
30) Chloroform	6.68	83	217612	20.366	ug/l	98
31) Cyclohexane	6.96	56	138824	19.881	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	192846	20.743	ug/l	96
36) 1,1-Dichloropropene	7.16	75	152074	21.548	ug/l	98
37) Ethyl Acetate	6.19	43	64815	21.552	ug/l #	92
38) Carbon Tetrachloride	7.12	117	194096m	21.704	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	154877	22.243	ug/l	97
40) Benzene	7.47	78	384061	21.982	ug/l	98
41) Methacrylonitrile	6.45	41	74779	21.311	ug/l	97
42) 1,2-Dichloroethane	7.58	62	125266	21.116	ug/l	98
43) Isopropyl Acetate	9.25	43	87663	19.949	ug/l	95
44) Trichloroethene	8.55	130	148786	21.966	ug/l	96
45) 1,2-Dichloropropane	8.95	63	86715	19.564	ug/l	99
46) Dibromomethane	9.07	93	72675	22.787	ug/l	97
47) Bromodichloromethane	9.39	83	160320	21.274	ug/l	99
48) Methyl methacrylate	9.13	41	55036	21.952	ug/l	97
49) 1,4-Dioxane	9.09	88	12052	445.870	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	288720	107.437	ug/l	99
52) Toluene	10.52	92	252227	22.641	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	140103	22.149	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	169851	22.077	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	81173	21.704	ug/l	96
56) Ethyl methacrylate	11.05	69	87195	21.050	ug/l	96
57) 1,3-Dichloropropane	11.41	76	114864	19.885	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	238470	123.826	ug/l	98
59) 2-Hexanone	11.54	43	204506	101.447	ug/l	100
60) Dibromochloromethane	11.70	129	131828	21.303	ug/l	98
61) 1,2-Dibromoethane	11.82	107	93543	21.084	ug/l	94
64) Tetrachloroethene	11.27	164	107723	19.802	ug/l	95
65) Chlorobenzene	12.41	112	266581	18.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	124731	20.406	ug/l	96
67) Ethyl Benzene	12.54	91	475327	20.210	ug/l	99
68) m/p-Xylenes	12.67	106	358919	42.223	ug/l	97
69) o-Xylene	13.06	106	166358	21.389	ug/l	96
70) Styrene	13.08	104	282226	21.015	ug/l	99
71) Bromoform	13.24	173	67926	19.492	ug/l #	99
73) Isopropylbenzene	13.41	105	481648	21.032	ug/l	100
74) N-amyl acetate	13.27	43	113757	19.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	93342	20.799	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	85524	19.618	ug/l	98
77) Bromobenzene	13.68	156	142028	21.619	ug/l	96
78) n-propylbenzene	13.78	91	576556	21.993	ug/l	96
79) 2-Chlorotoluene	13.85	91	291980	18.387	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	371579	20.349	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	25907	19.610	ug/l	92
82) 4-Chlorotoluene	13.95	91	342609	19.591	ug/l	94
83) tert-Butylbenzene	14.20	119	447095	21.136	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	390980	22.424	ug/l	100
85) sec-Butylbenzene	14.38	105	431058	18.859	ug/l	99
86) p-Isopropyltoluene	14.49	119	420129	20.538	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	238164	20.702	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	230856	21.457	ug/l	97
89) n-Butylbenzene	14.81	91	423554	23.063	ug/l	97
90) Hexachloroethane	15.02	117	121847	22.028	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	217096	22.877	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	11956	19.718	ug/l	75

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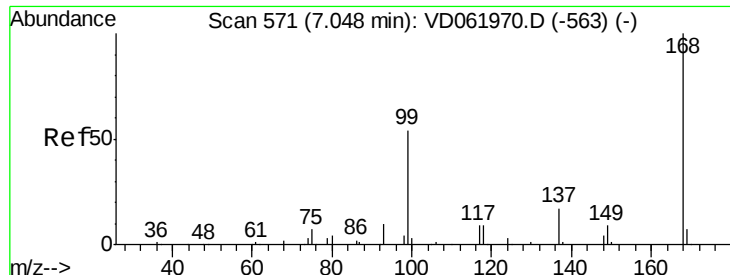
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	119669	23.371	ug/l	99
94) Hexachlorobutadiene	16.04	225	91279	24.089	ug/l	98
95) Naphthalene	16.13	128	192071	23.232	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	76341	26.277	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:168 Resp: 598963

Ion Ratio Lower Upper

168 100

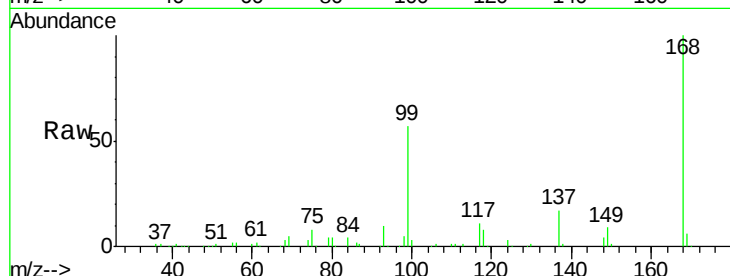
99 56.9 46.5 69.7

Manual Integrations

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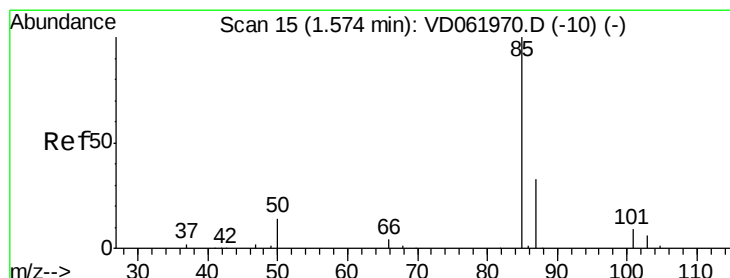
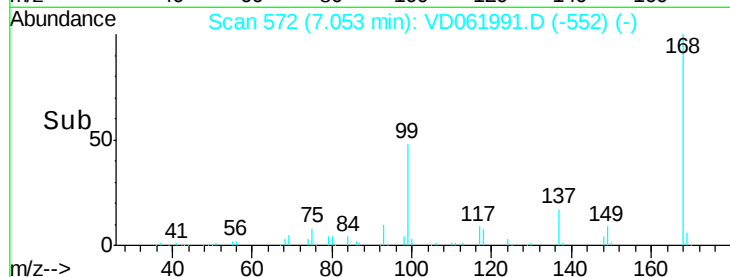
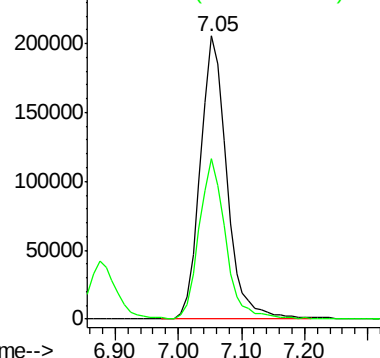
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.335 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD061991.D

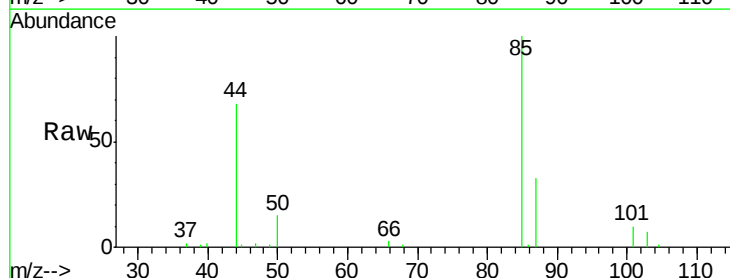
Acq: 24 Apr 2019 12:04

Tgt Ion: 85 Resp: 92713

Ion Ratio Lower Upper

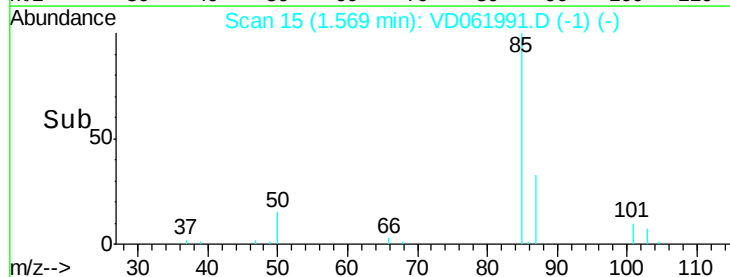
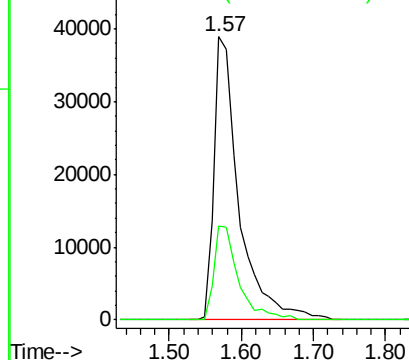
85 100

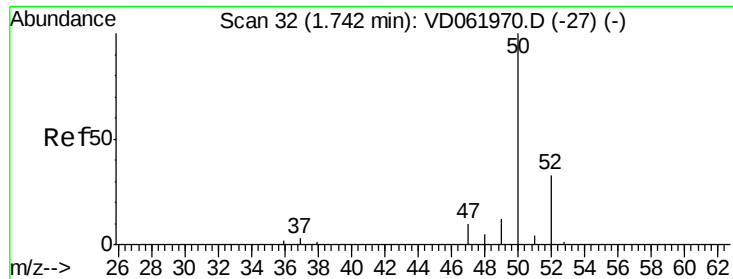
87 33.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





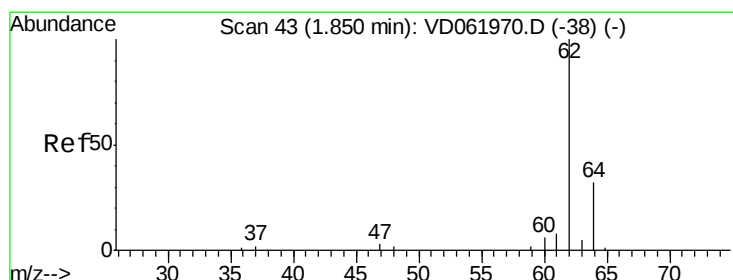
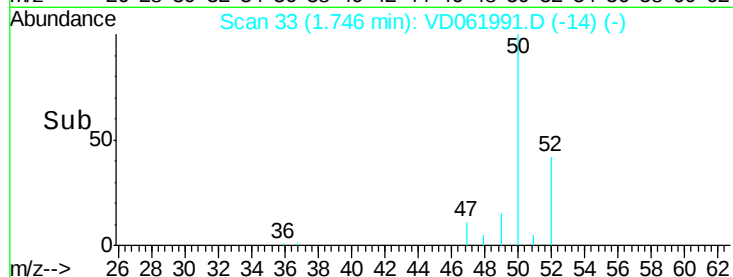
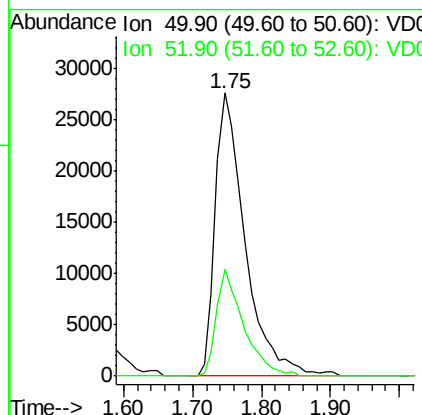
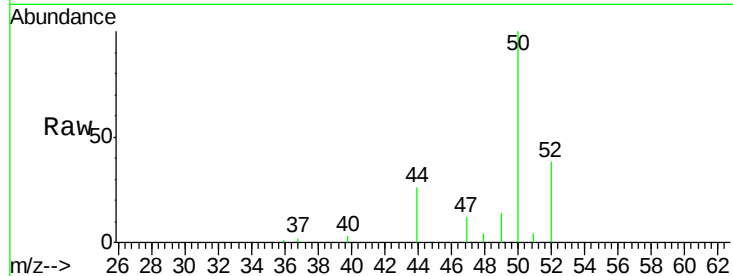
#3
 Chloromethane
 Concen: 18.404 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion: 50 Resp: 83659
 Ion Ratio Lower Upper
 50 100
 52 37.9 25.2 37.8#

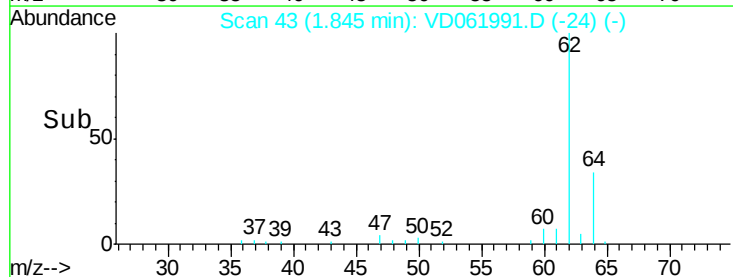
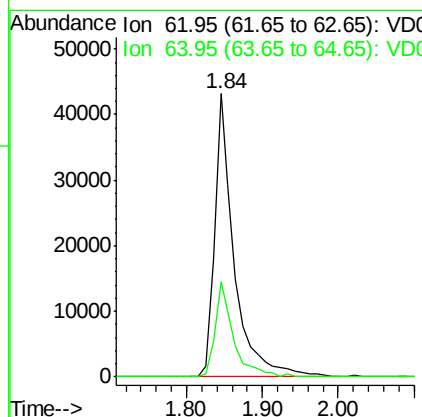
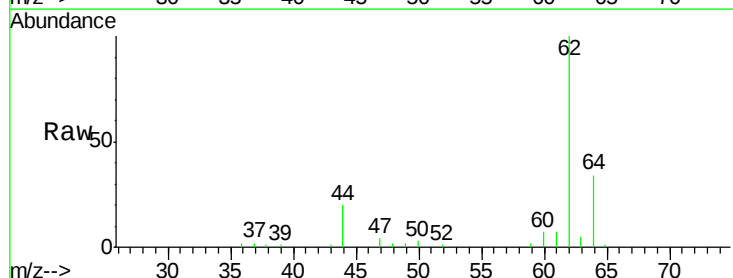
Manual Integrations
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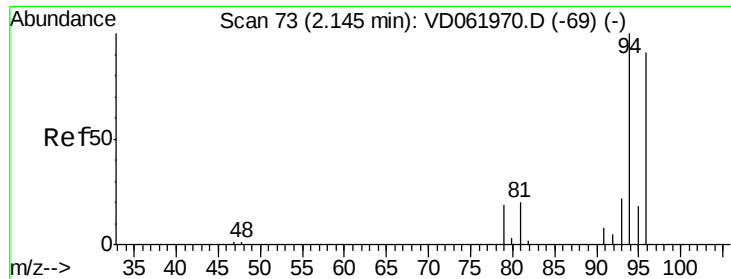
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#4
 Vinyl Chloride
 Concen: 18.915 ug/l
 RT: 1.84 min Scan# 43
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 62 Resp: 77929
 Ion Ratio Lower Upper
 62 100
 64 33.5 26.5 39.7





#5

Bromomethane

Concen: 15.206 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

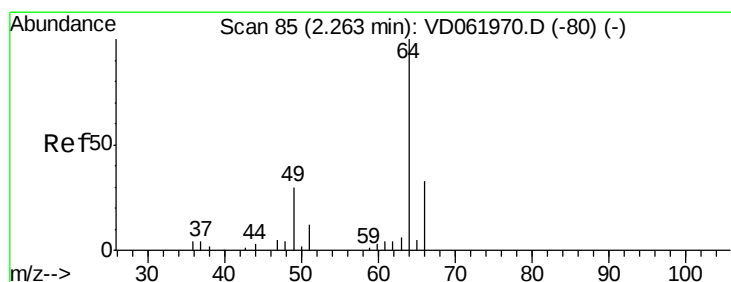
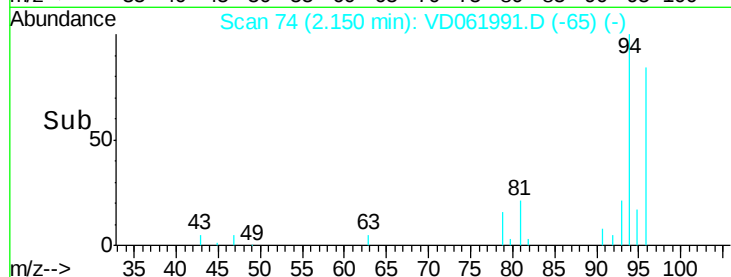
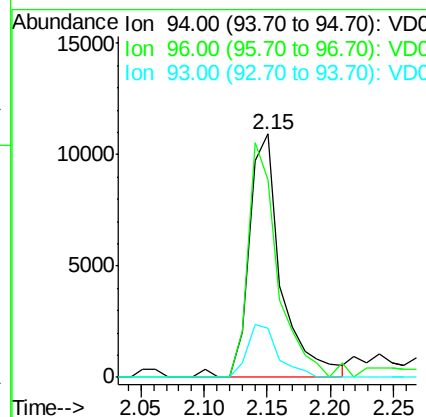
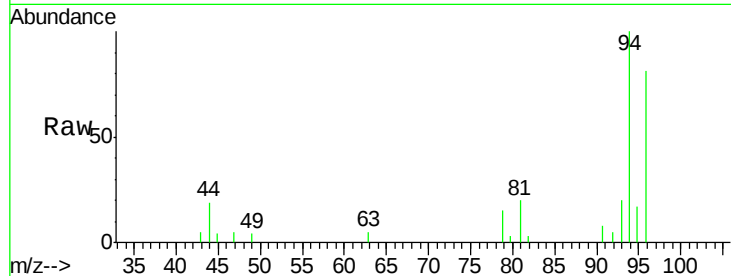
ClientSampleId :

VD0424SBS01

Tot Ion:	94	Resp:	19190
Ion	Ratio	Lower	Upper
94	100		
96	81.3	76.6	115.0
93	20.1	18.5	27.7

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#6

Chloroethane

Concen: 18.274 ug/l

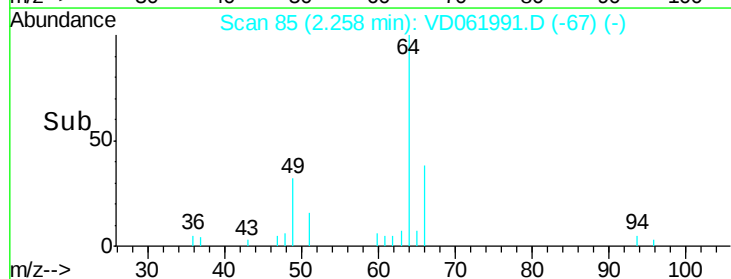
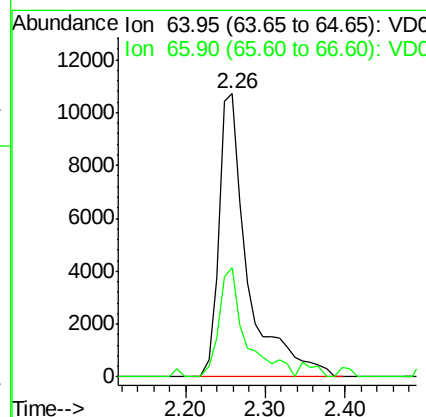
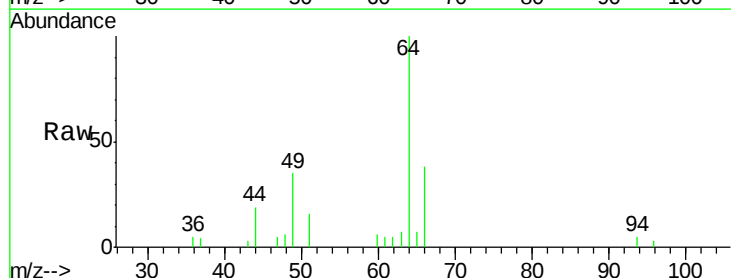
RT: 2.26 min Scan# 85

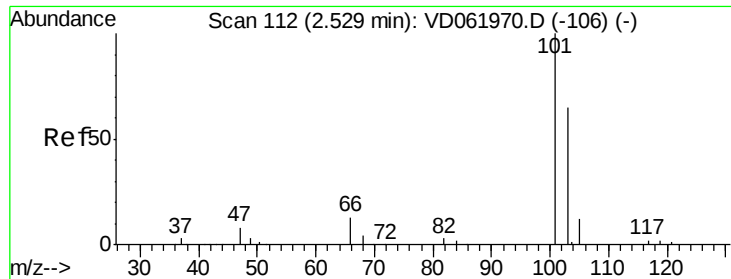
Delta R.T. -0.02 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	64	Resp:	27215
Ion	Ratio	Lower	Upper
64	100		
66	38.4	25.6	38.4





#7

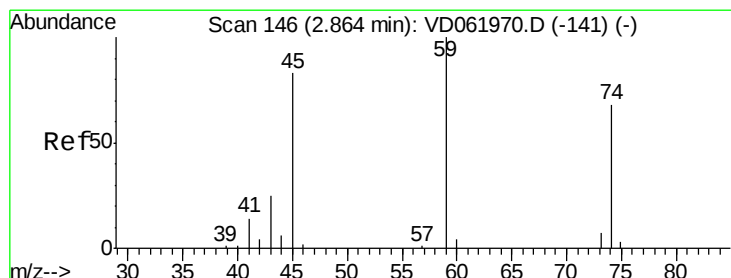
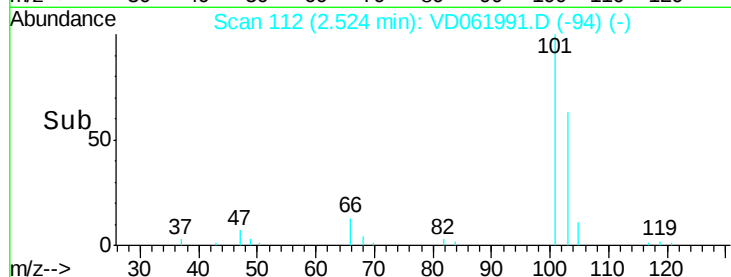
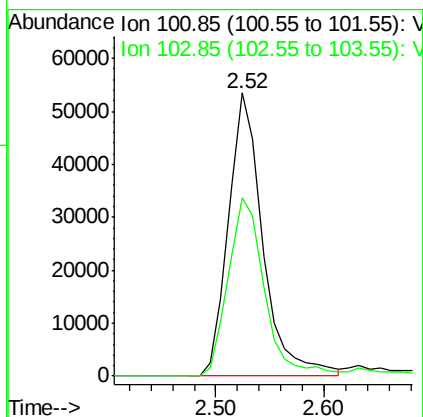
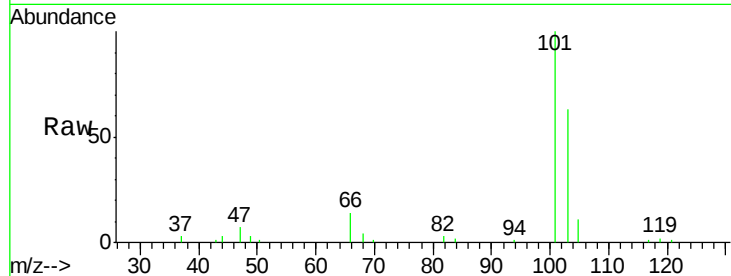
Trichlorofluoromethane
 Concen: 19.015 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		118452		
103	63.0	53.6	80.4		

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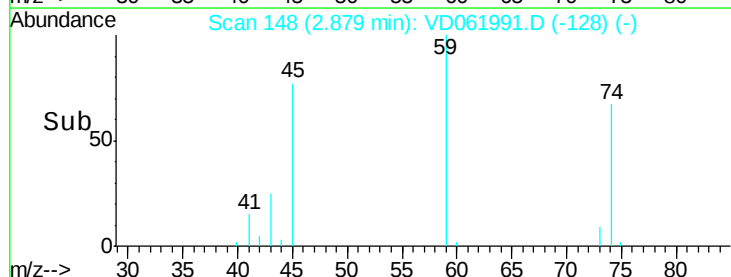
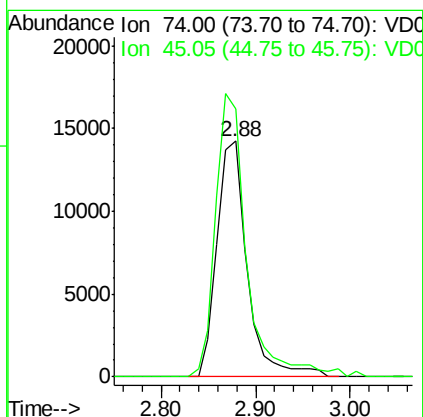
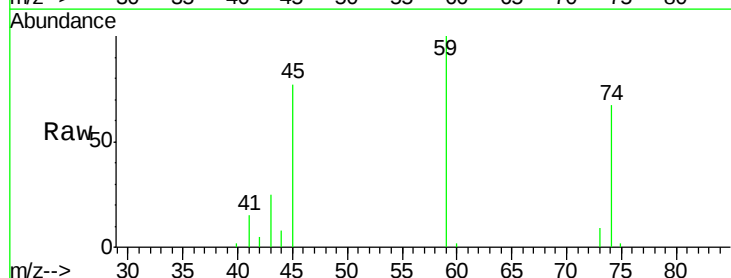
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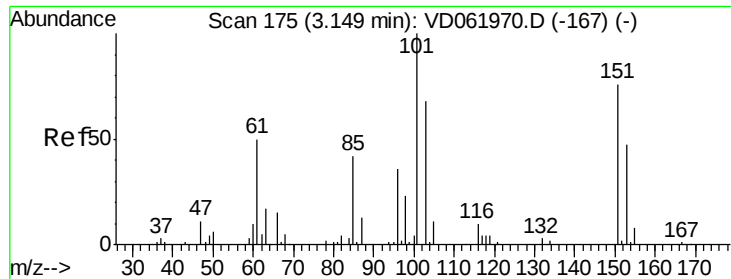


#8

Diethyl Ether
 Concen: 19.050 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		31806		
45	113.8	56.9	170.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

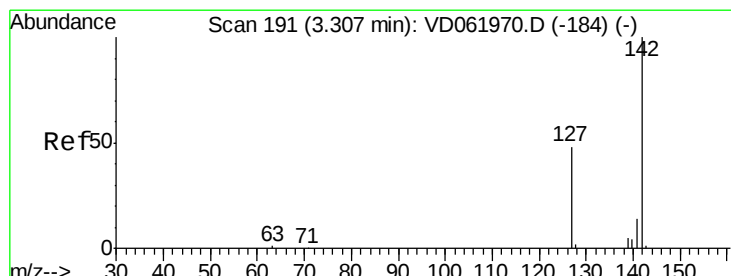
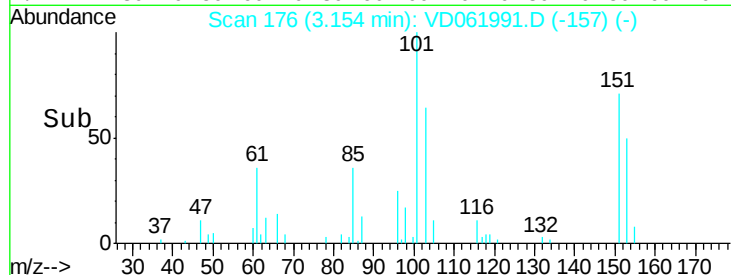
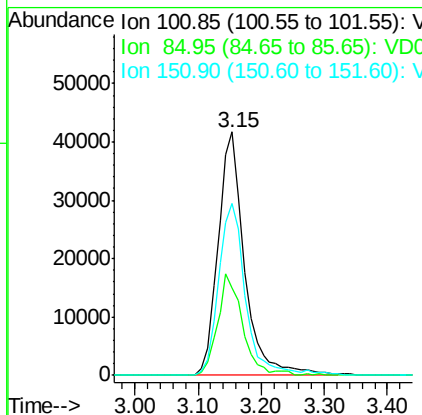
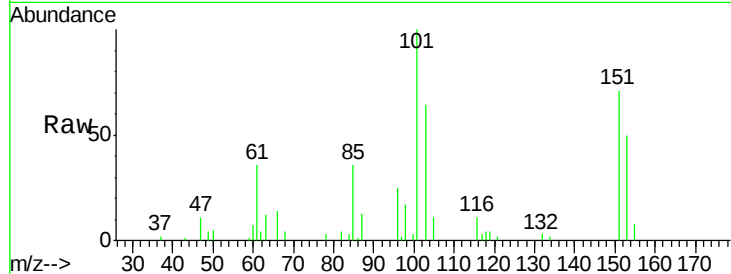
ClientSampleId :

VD0424SBS01

Tot Ion:	101	Resp:	121978
Ion Ratio	Lower	Upper	
101	100		
85	36.1	32.4	48.6
151	70.8	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.617 ug/l

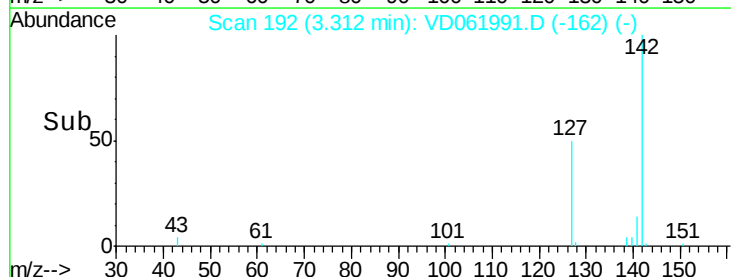
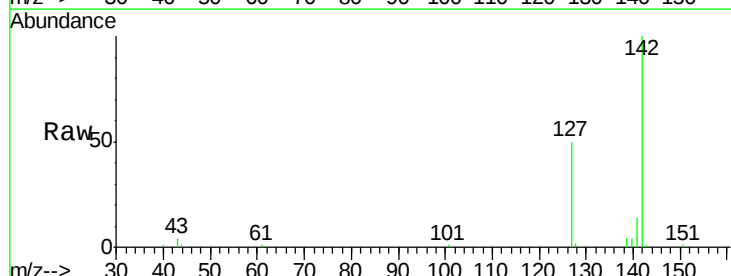
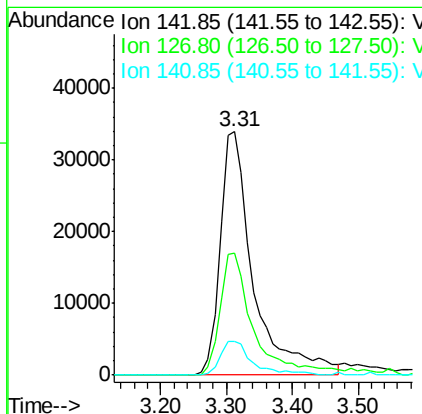
RT: 3.31 min Scan# 192

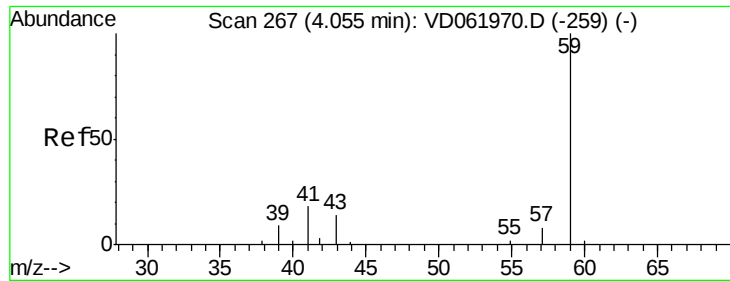
Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	142	Resp:	119541
Ion Ratio	Lower	Upper	
142	100		
127	49.9	38.8	58.2
141	13.7	11.4	17.0





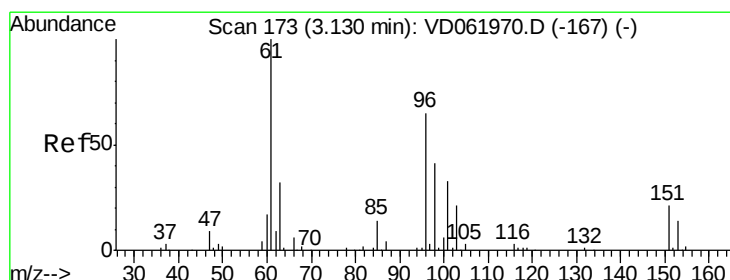
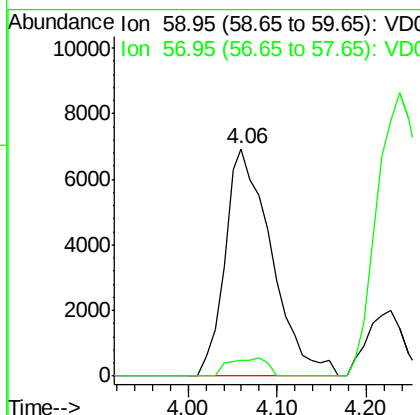
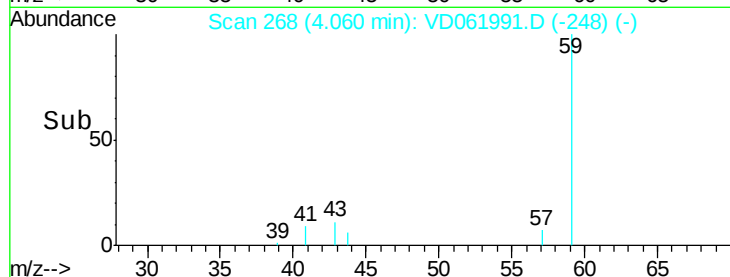
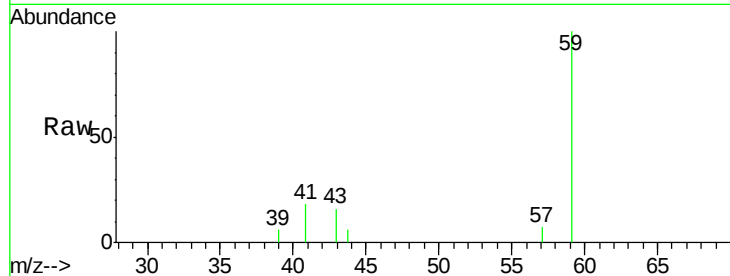
#11
Tert butyl alcohol
Concen: 94.792 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 59 Resp: 25107
Ion Ratio Lower Upper
59 100
57 6.9 6.9 10.3

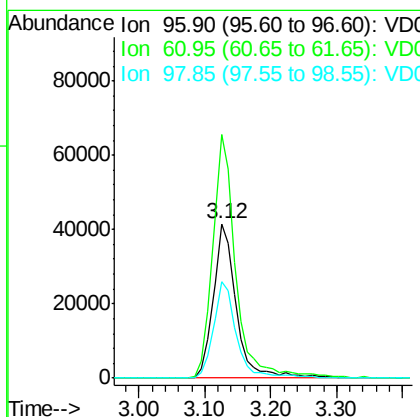
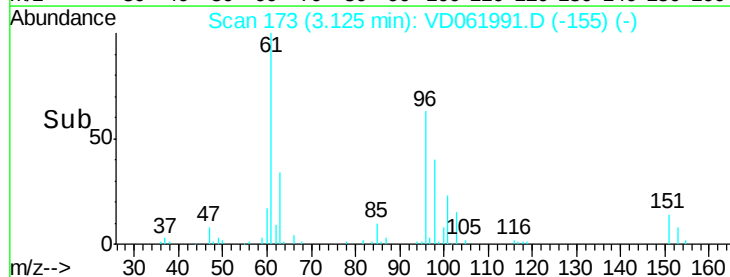
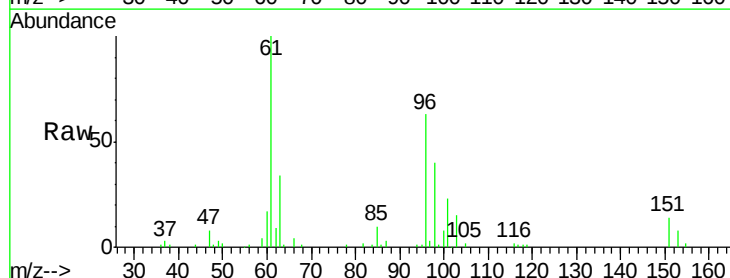
Manual Integrations
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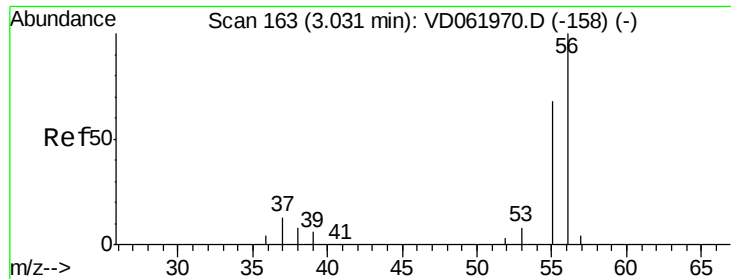
MMDadoda
4/26/2019 9:20:38 AM



#12
1,1-Dichloroethene
Concen: 20.431 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.02 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 96 Resp: 99749
Ion Ratio Lower Upper
96 100
61 158.1 129.8 194.8
98 62.5 51.2 76.8





#13

Acrolein

Concen: 105.395 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tot Ion: 56 Resp: 28964

Ion Ratio Lower Upper

56 100

55 63.2 51.4 77.2

Instrument :

MSVOA_D

ClientSampleId :

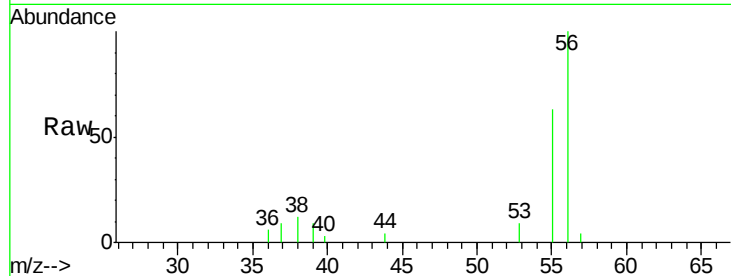
VD0424SBS01

Manual Integrations

APPROVED

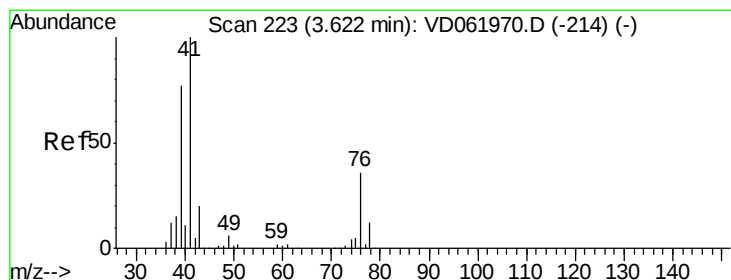
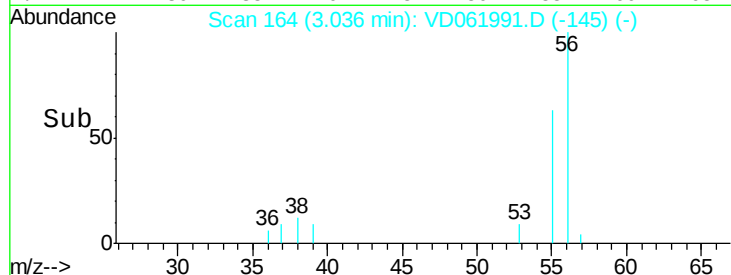
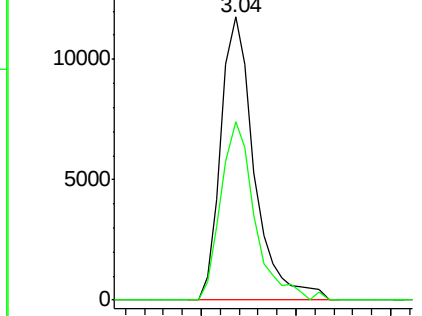
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.327 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

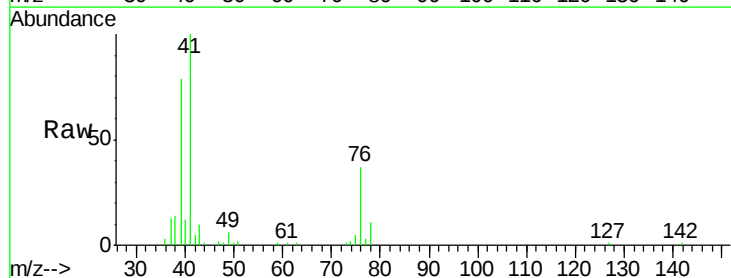
Tgt Ion: 41 Resp: 128844

Ion Ratio Lower Upper

41 100

39 78.7 60.5 90.7

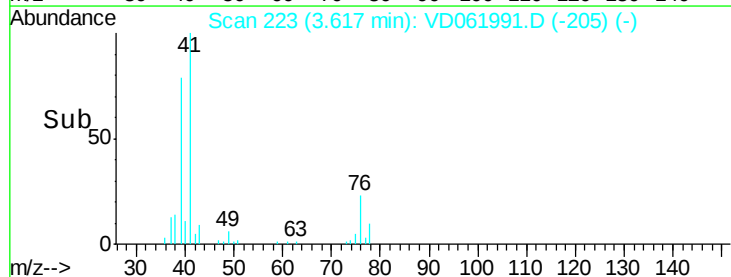
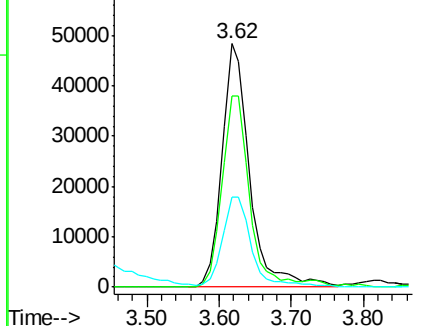
76 37.1 31.8 47.8

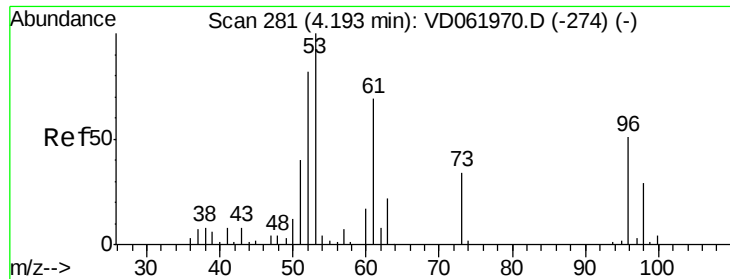


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 90.973 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

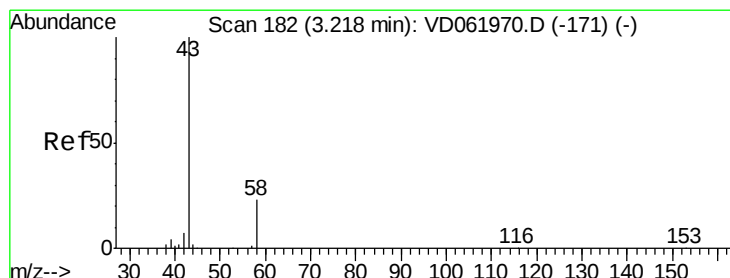
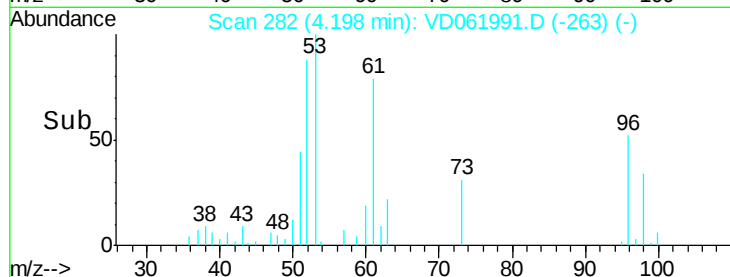
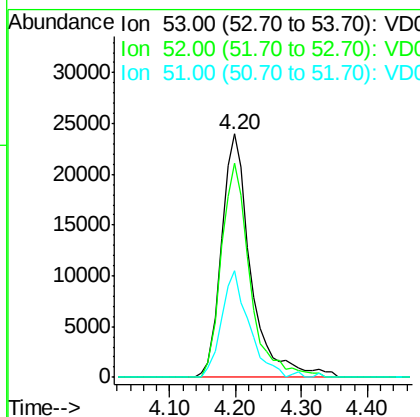
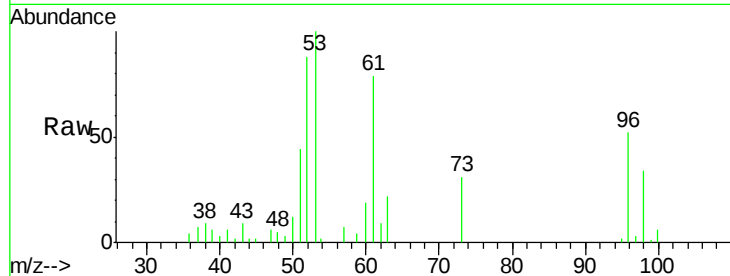
ClientSampleId :

VD0424SBS01

Tot Ion:	53	Resp:	74613
Ion	Ratio	Lower	Upper
53	100		
52	88.0	65.0	97.4
51	43.7	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 92.770 ug/l

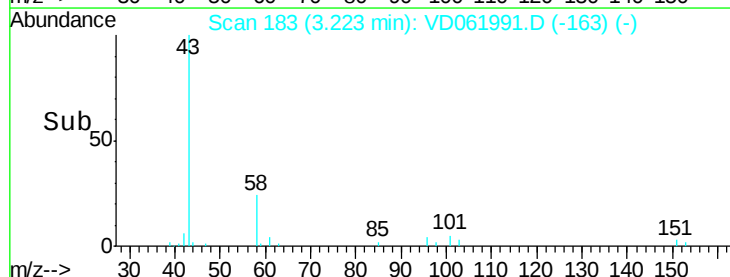
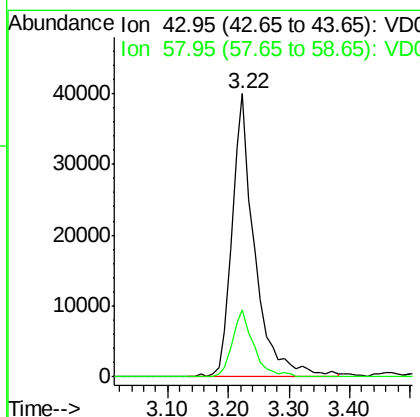
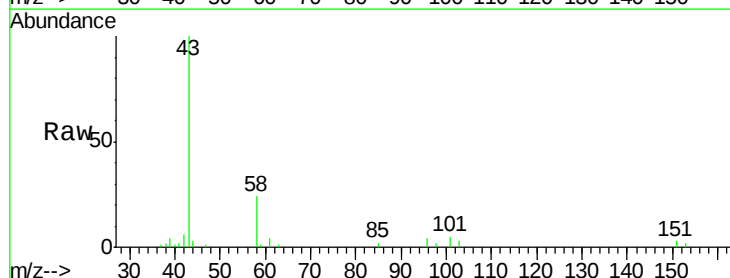
RT: 3.22 min Scan# 183

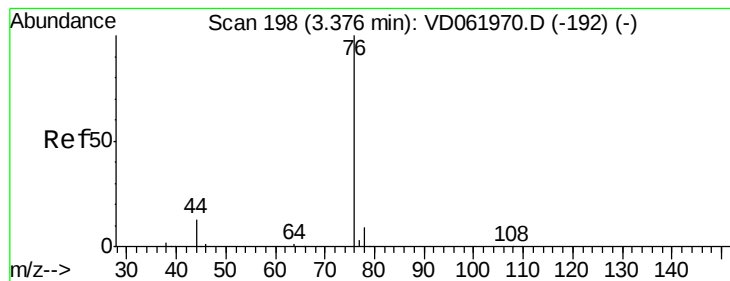
Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	43	Resp:	103839
Ion	Ratio	Lower	Upper
43	100		
58	23.8	19.9	29.9





#17

Carbon Disulfide

Concen: 18.773 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 76 Resp: 264847

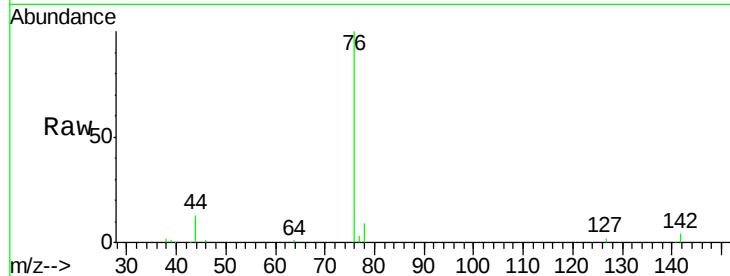
Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

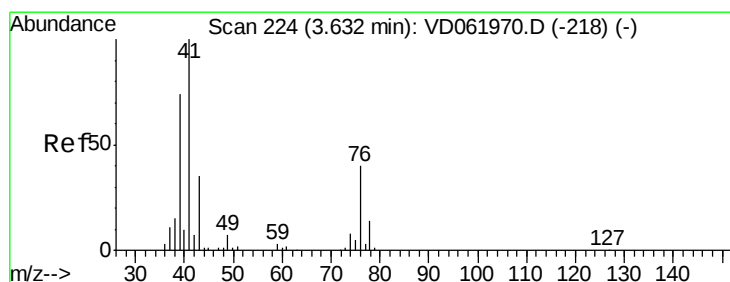
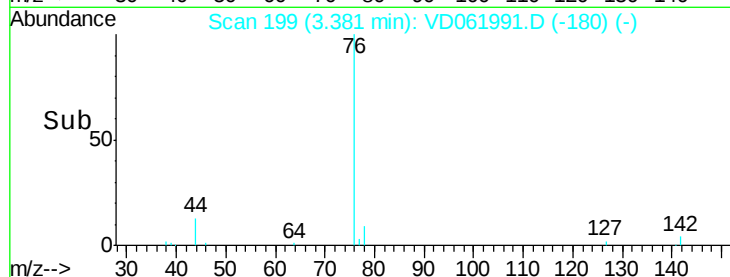
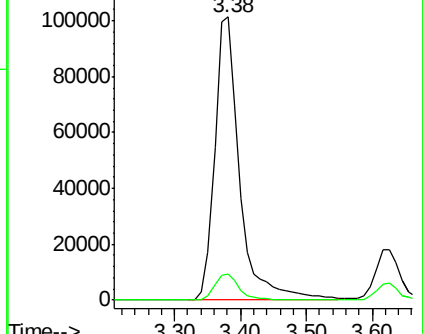
Manual Integrations
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4/26/2019 9:20:38 AM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.380 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061991.D

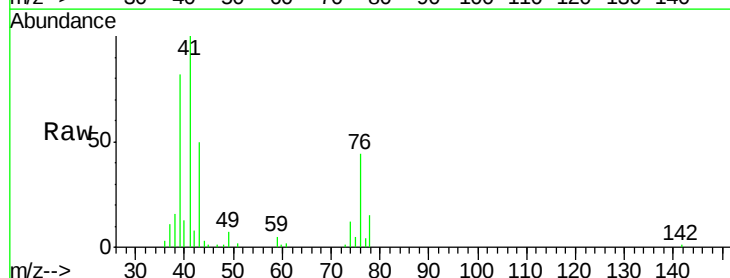
Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 42028

Ion Ratio Lower Upper

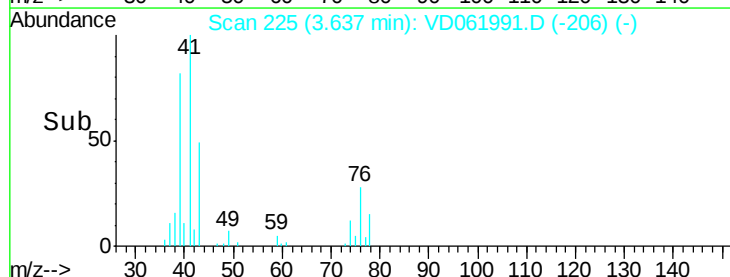
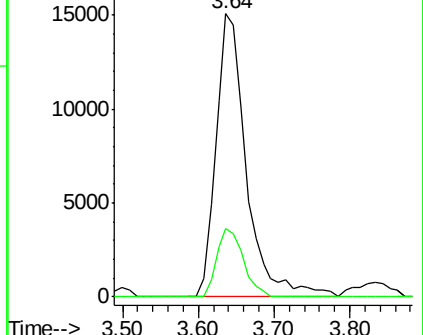
43 100

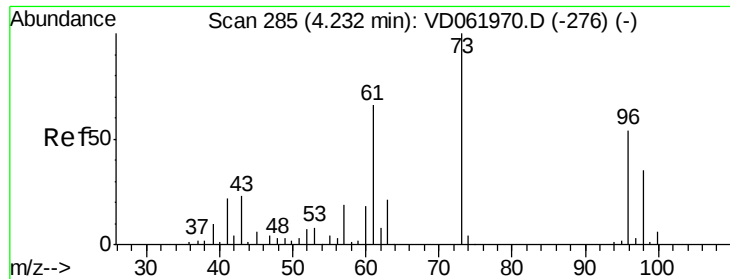
74 24.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





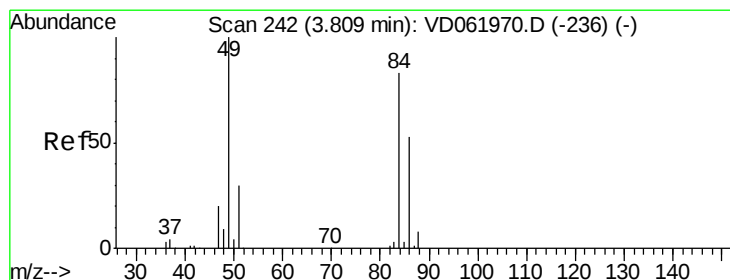
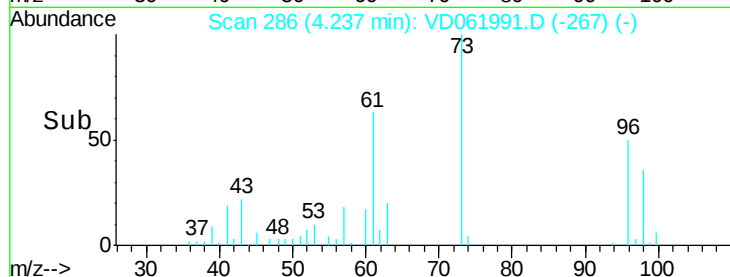
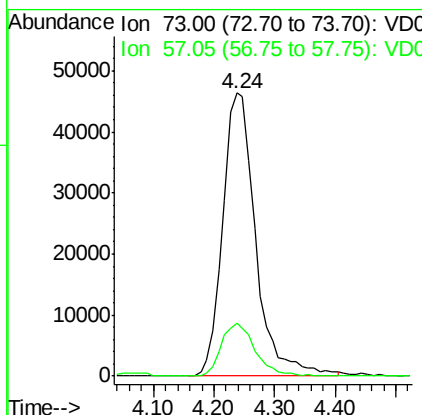
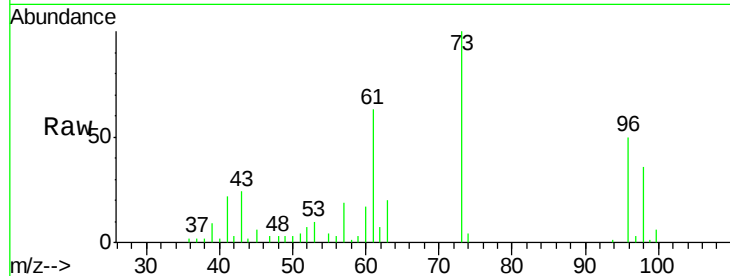
#19
Methvl tert-butvl Ether
Concen: 18.062 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 73 Resp: 174964
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5

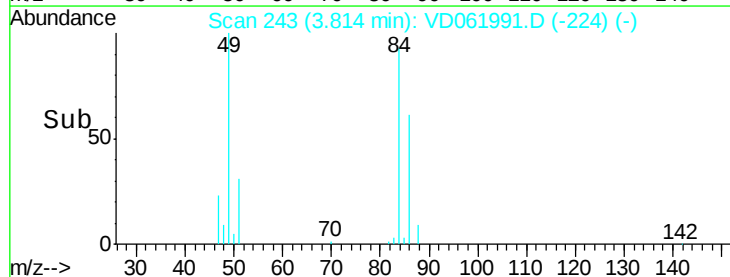
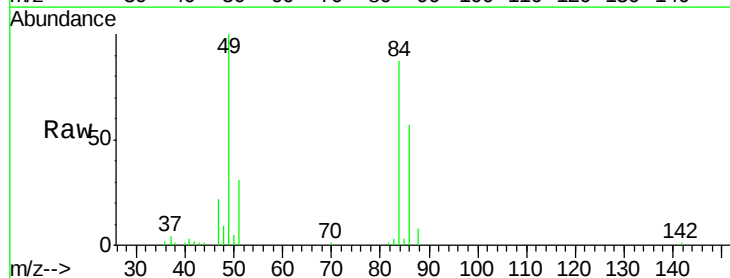
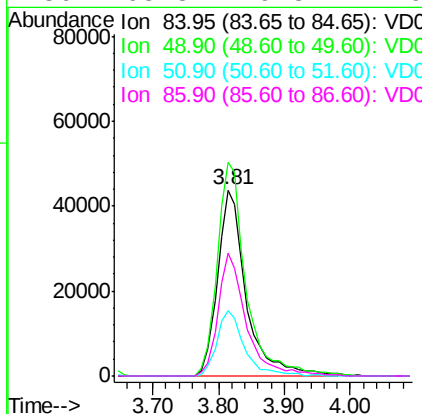
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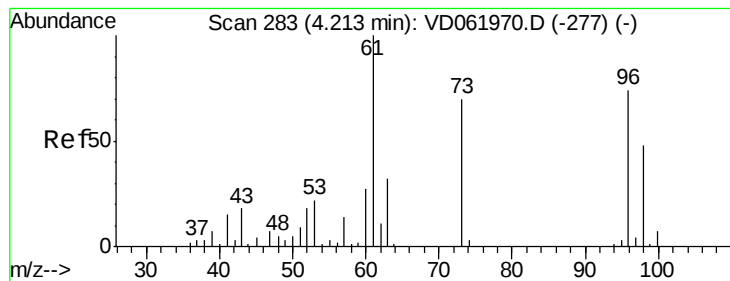
MMDadoda
4/26/2019 9:20:38 AM



#20
Methylene Chloride
Concen: 22.473 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 84 Resp: 132026
Ion Ratio Lower Upper
84 100
49 114.7 94.0 141.0
51 35.1 29.0 43.4
86 65.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.993 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 96 Resp: 100775

Ion Ratio Lower Upper

96 100

61 128.1 104.4 156.6

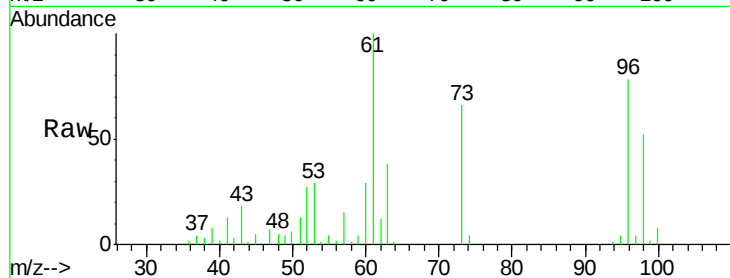
98 66.0 51.8 77.8

Manual Integrations

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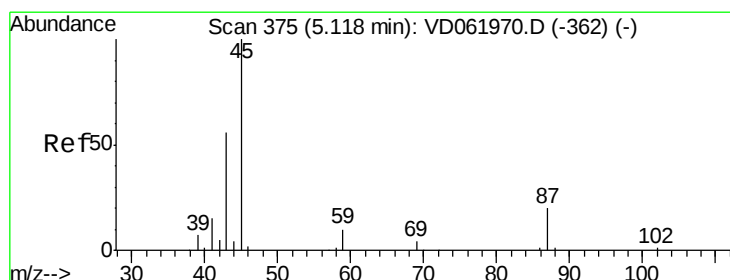
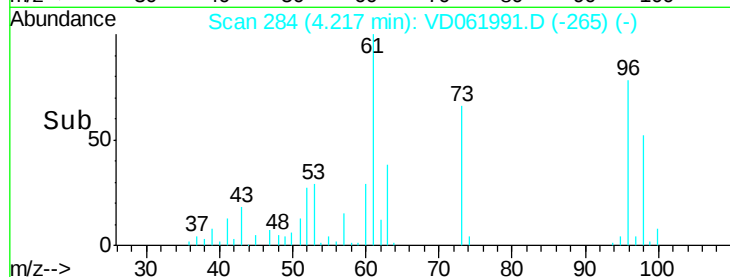
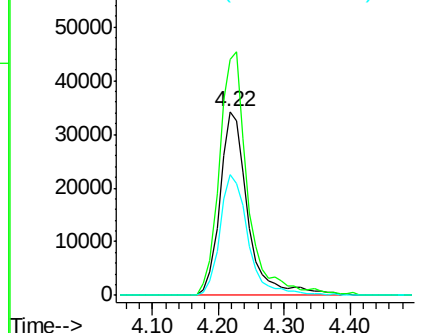
4/26/2019 9:20:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.851 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 45 Resp: 293408

Ion Ratio Lower Upper

45 100

43 58.3 46.2 69.2

87 19.5 15.9 23.9

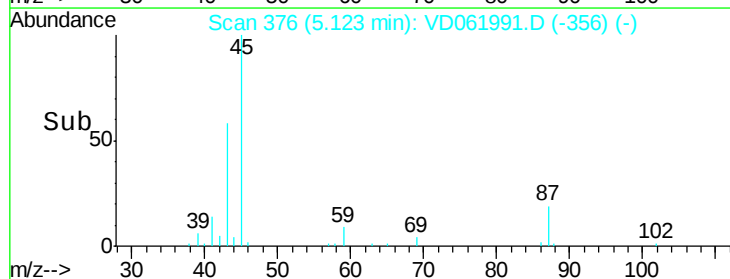
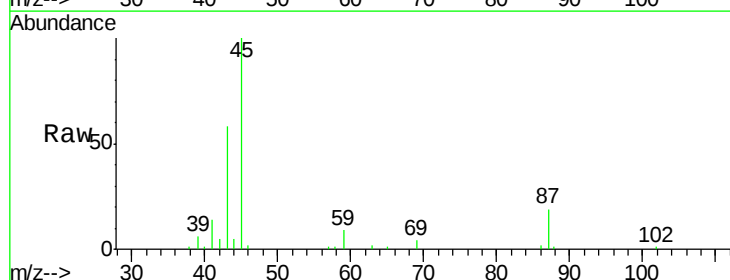
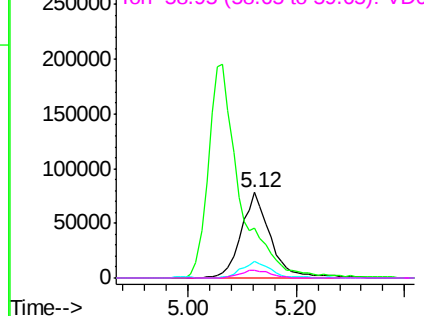
59 9.1 7.9 11.9

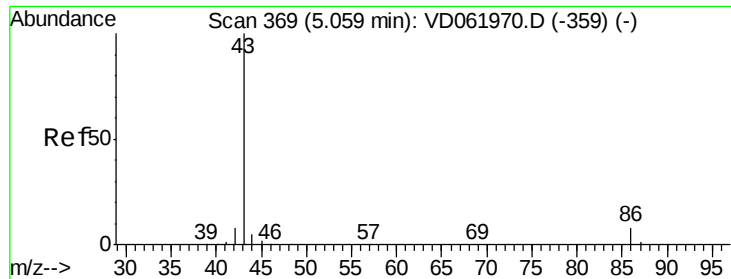
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





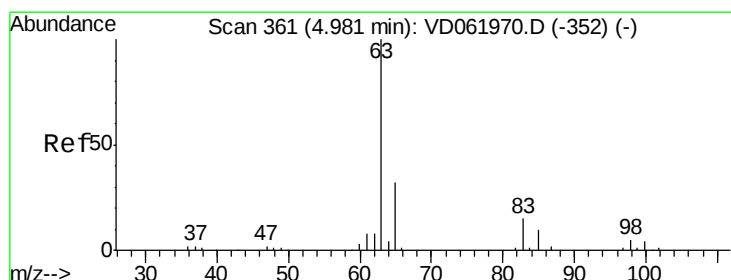
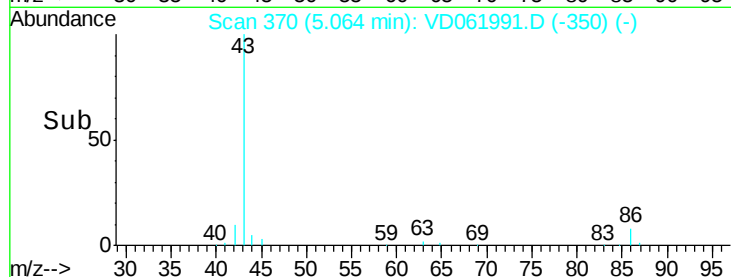
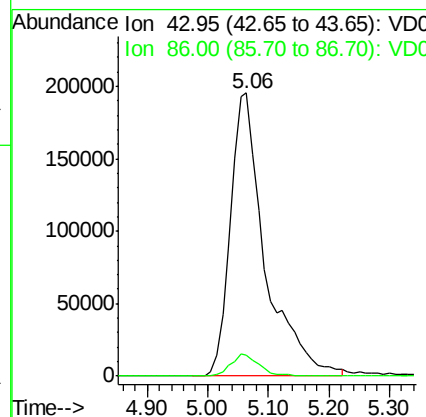
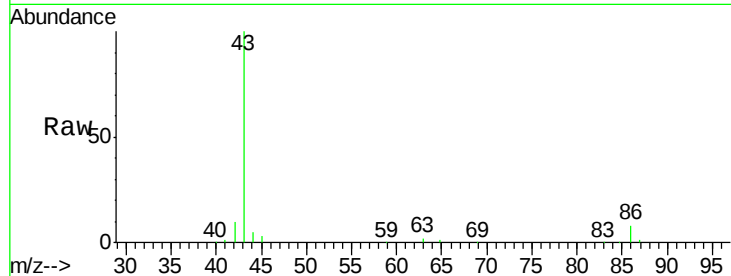
#23
 Vinyl Acetate
 Concen: 96.010 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.4	9.6

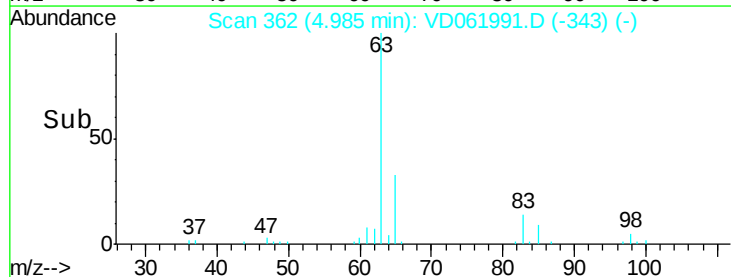
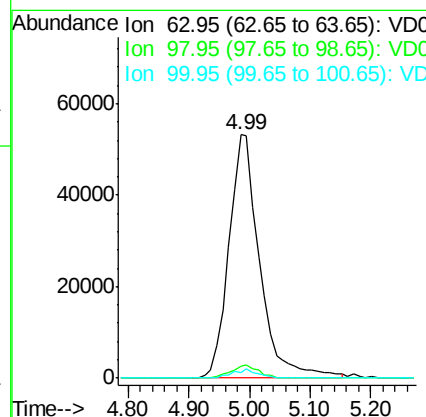
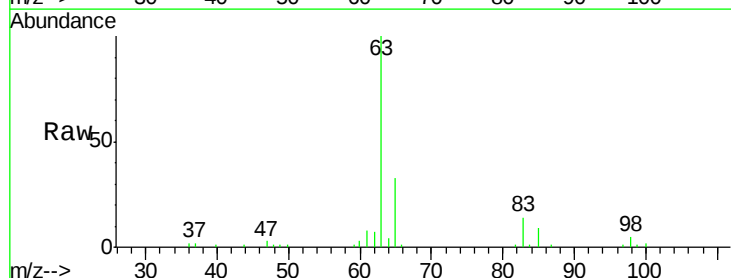
Manual Integrations
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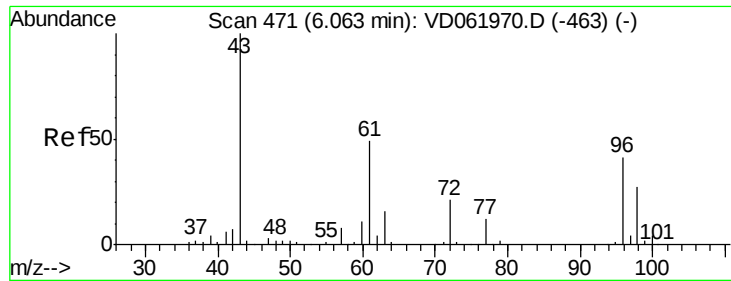
MMDadoda
 4/26/2019 9:20:38 AM



#24
 1,1-Dichloroethane
 Concen: 19.963 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.8	8.4
100	2.4	1.8	5.5





#25

2-Butanone

Concen: 98.820 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 43 Resp: 134107

Ion Ratio Lower Upper

43 100

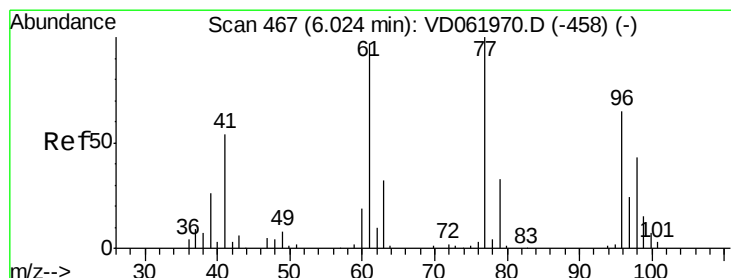
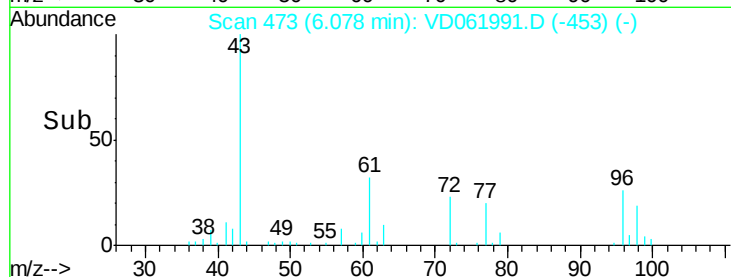
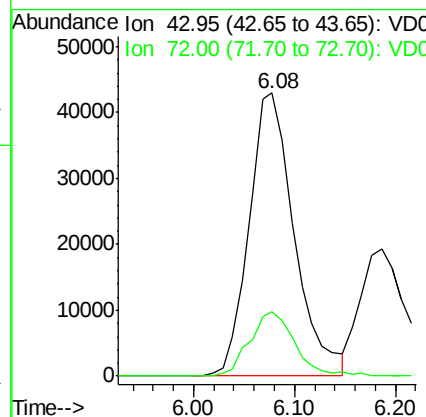
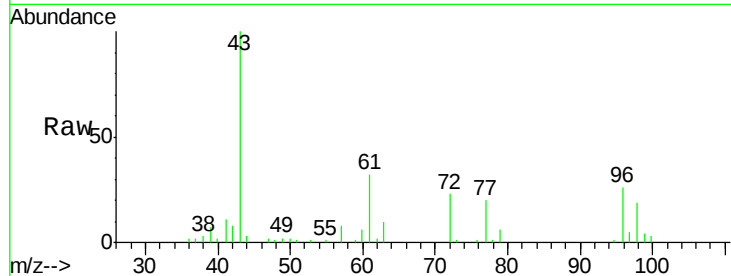
72 22.9 16.2 24.4

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#26

2,2-Dichloropropane

Concen: 20.761 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061991.D

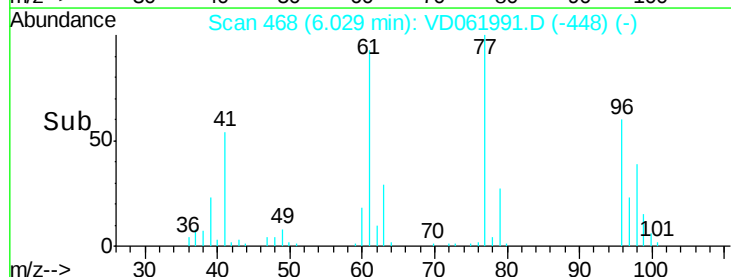
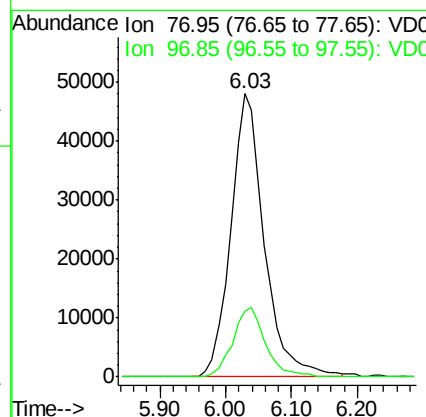
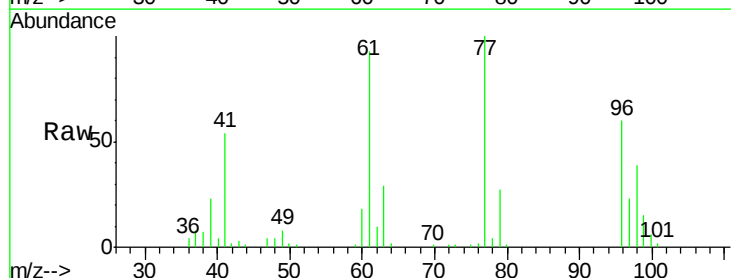
Acq: 24 Apr 2019 12:04

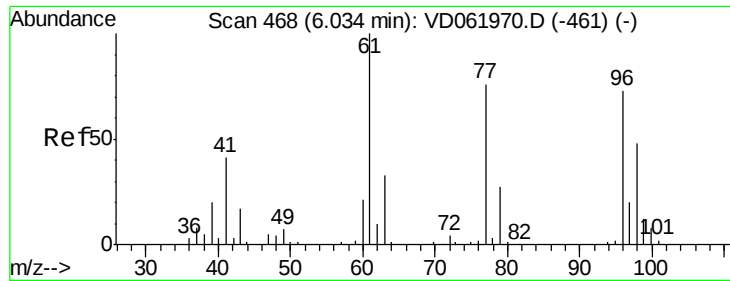
Tgt Ion: 77 Resp: 170388

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.9





#27

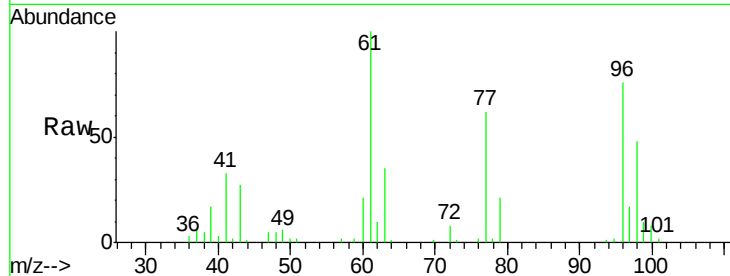
cis-1,2-Dichloroethene
Concen: 20.403 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

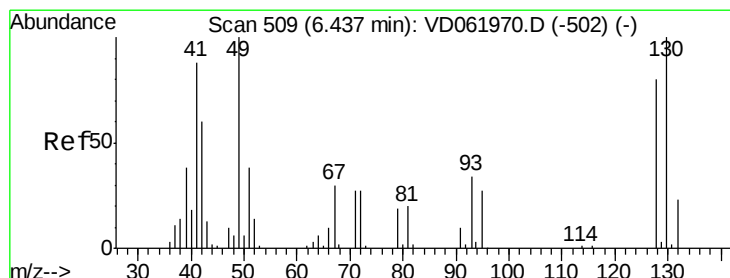
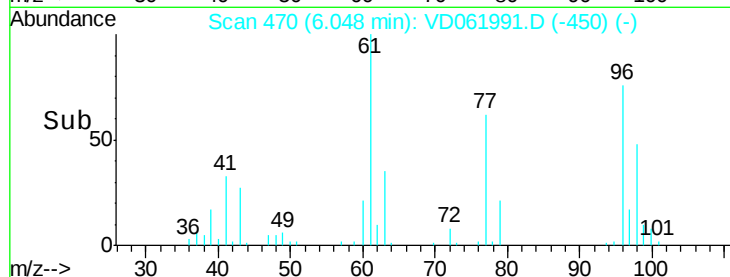
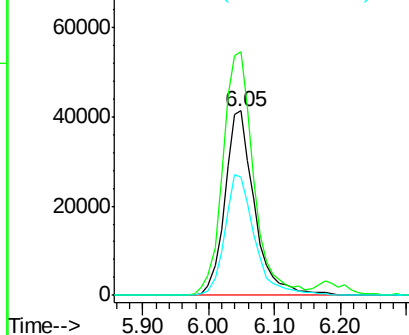
Tot Ion	Ratio	Resp	Lower	Upper
96	100	129996		
61	132.2	0.0	279.8	
98	63.8	0.0	136.0	

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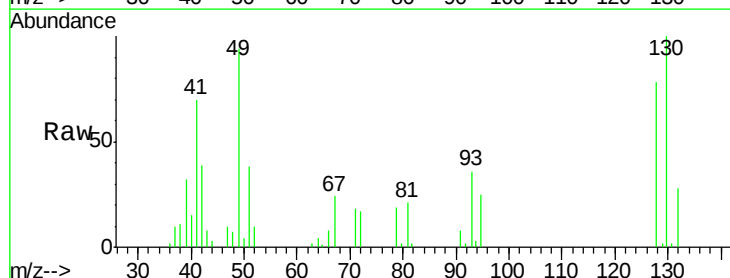
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



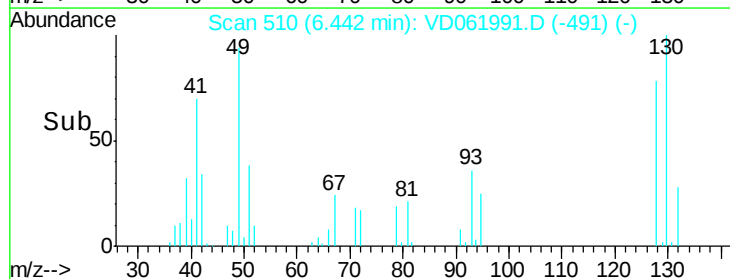
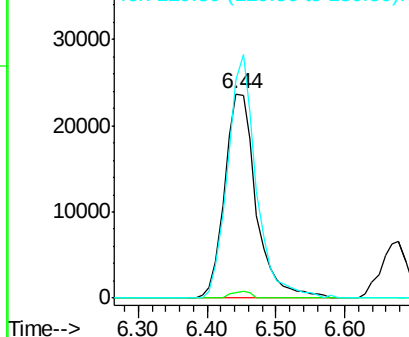
#28

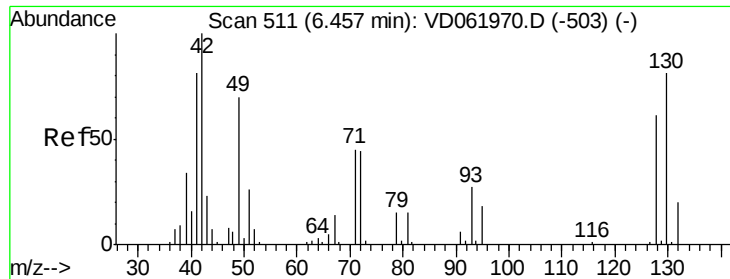
Bromochloromethane
Concen: 20.888 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75188		
129	2.7	0.0	6.6	
130	106.7	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





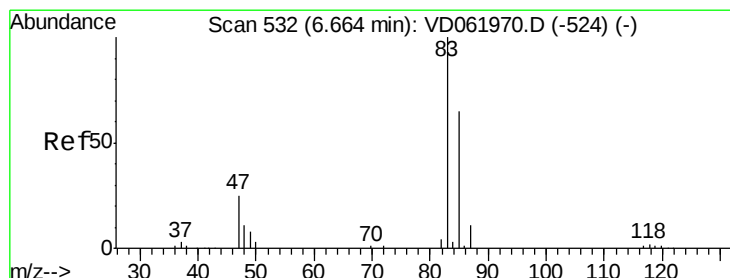
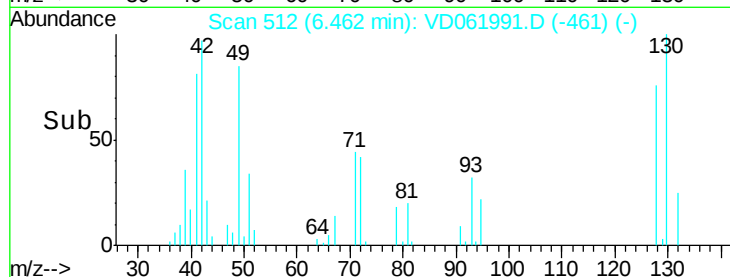
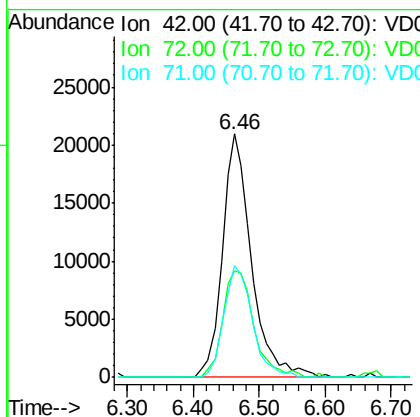
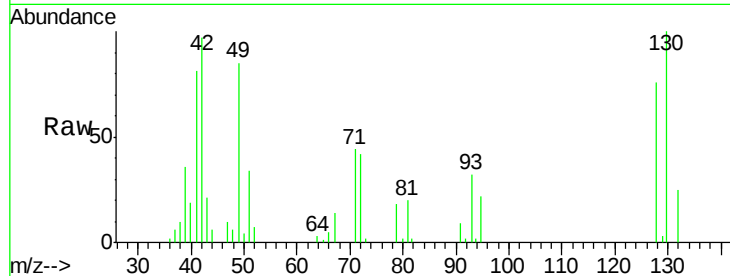
#29
Tetrahydrofuran
Concen: 96.059 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	37.8	56.6
71	45.5	36.7	55.1

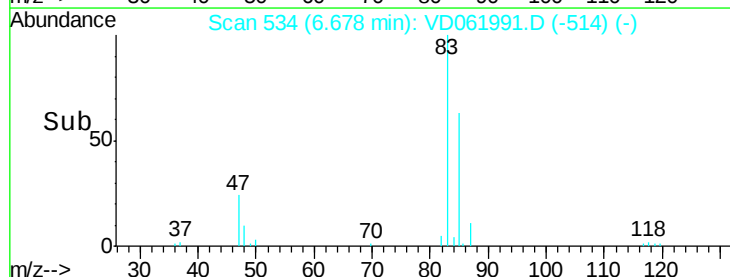
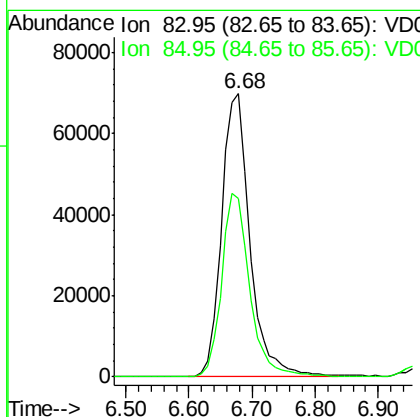
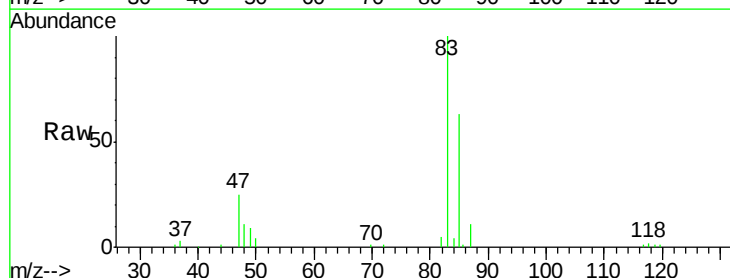
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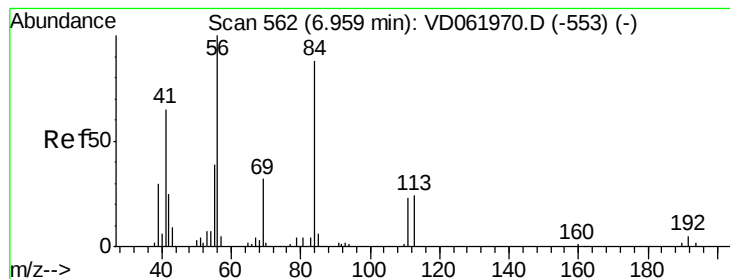
MMDadoda
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#30
Chloroform
Concen: 20.366 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.7	77.5





#31

Cvclohexane

Concen: 19.881 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 56 Resp: 138824

Ion Ratio Lower Upper

56 100

69 34.3 25.8 38.6

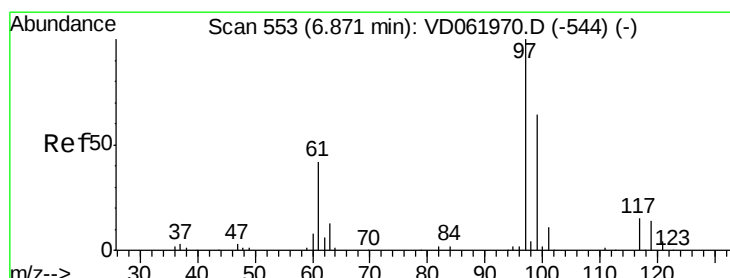
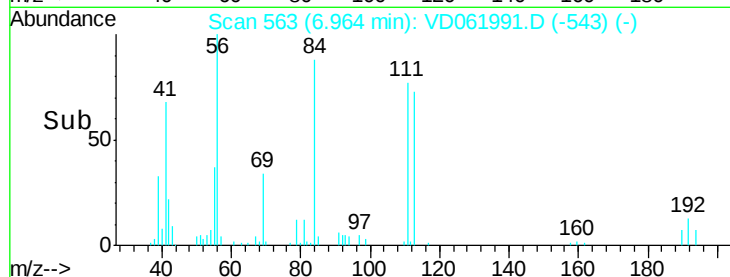
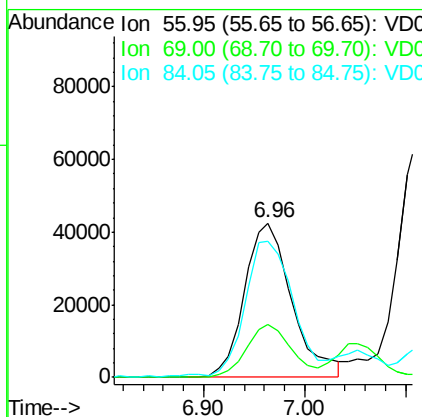
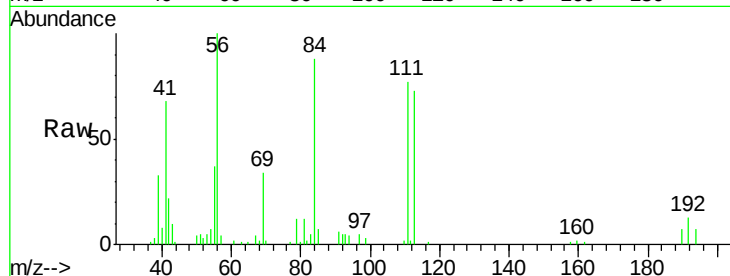
84 88.2 72.2 108.4

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#32

1,1,1-Trichloroethane

Concen: 20.743 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

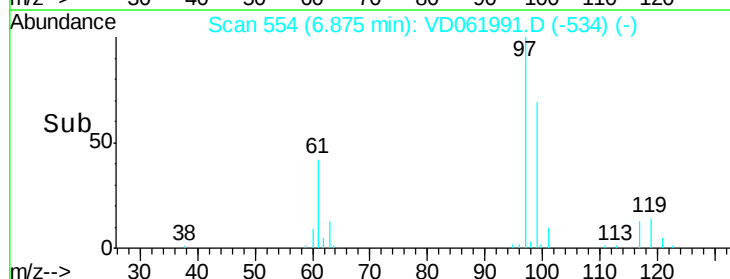
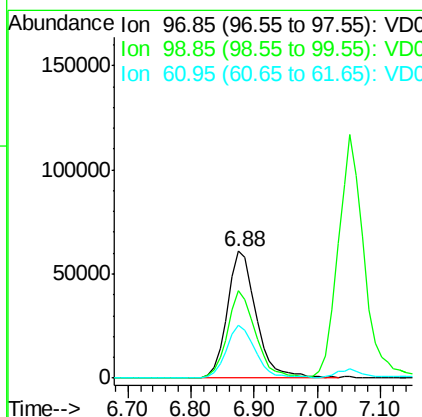
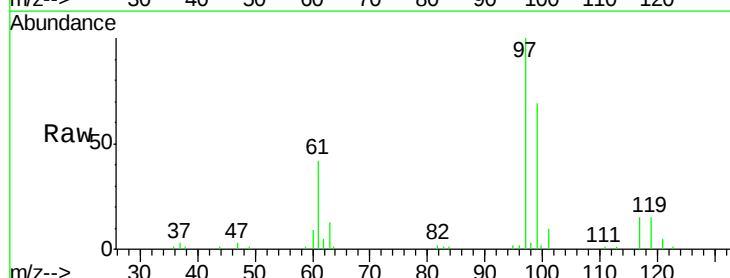
Tgt Ion: 97 Resp: 192846

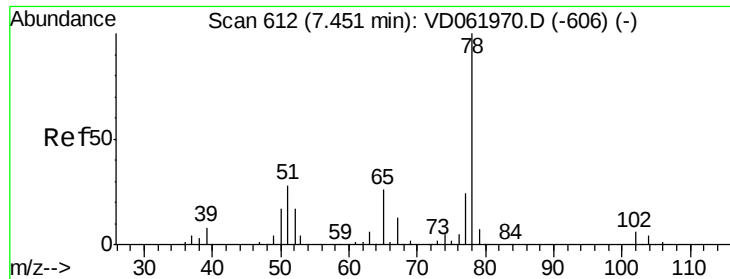
Ion Ratio Lower Upper

97 100

99 69.2 52.2 78.2

61 41.8 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 54.408 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 65 Resp: 255054

Ion Ratio Lower Upper

65 100

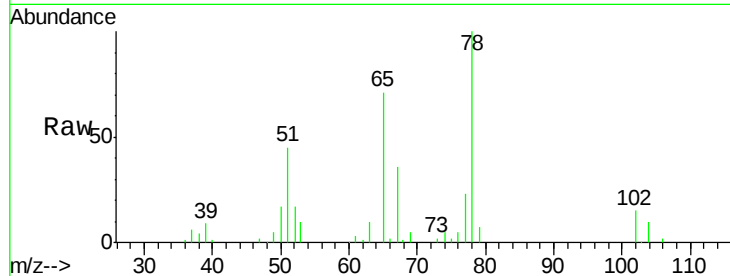
67 50.0 0.0 98.0

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

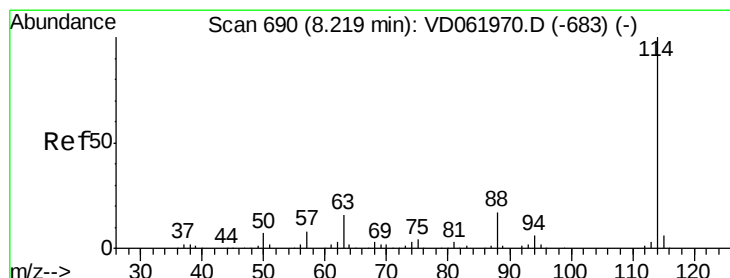
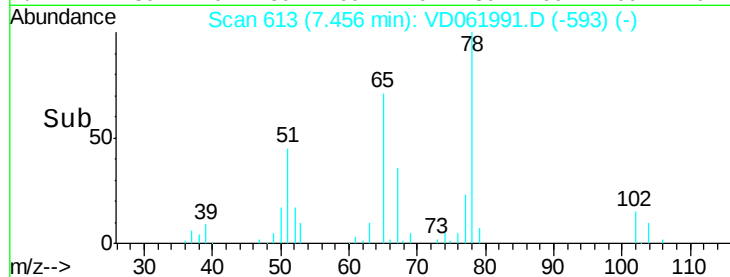
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

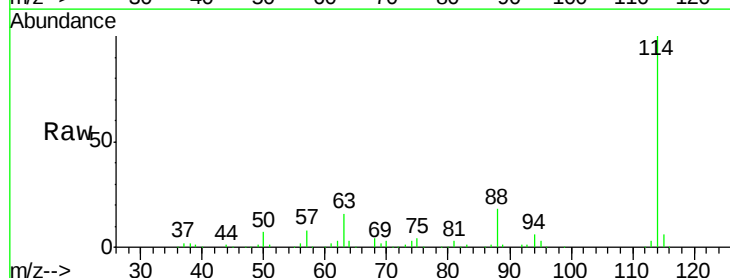
Tgt Ion: 114 Resp: 905835

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

88 17.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

400000

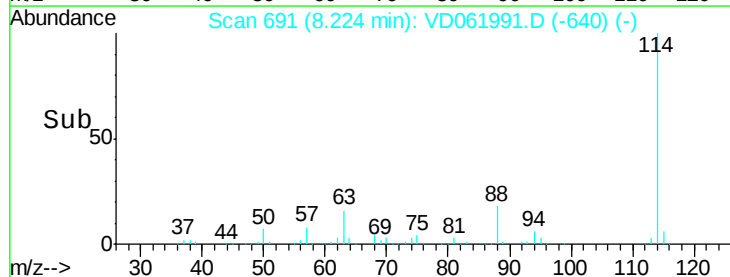
300000

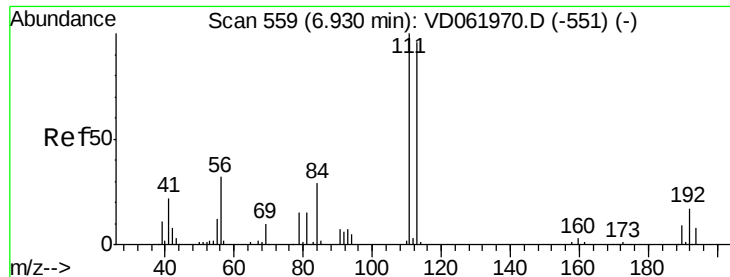
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 59.366 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

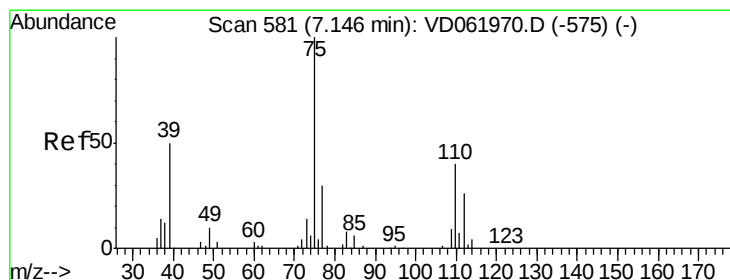
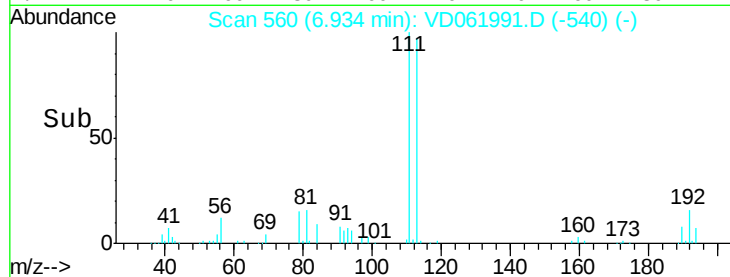
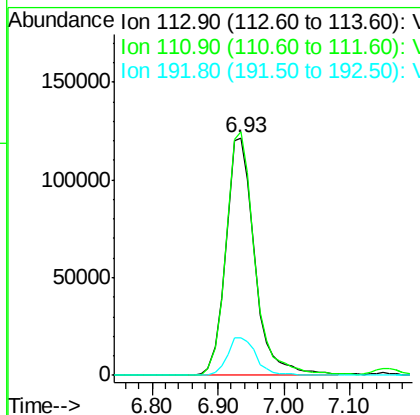
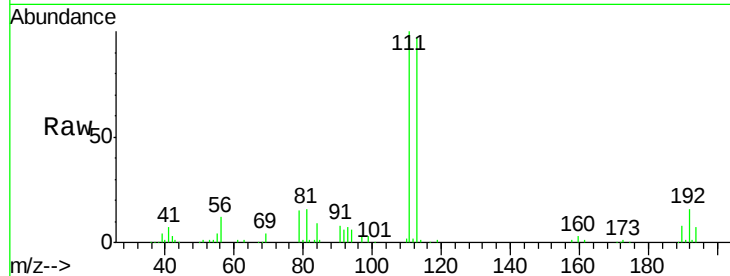
ClientSampleId :

VD0424SBS01

Tot Ion:	113	Resp:	371914
Ion	Ratio	Lower	Upper
113	100		
111	102.6	78.5	117.7
192	16.0	13.0	19.4

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#36

1,1-Dichloropropene

Concen: 21.548 ug/l

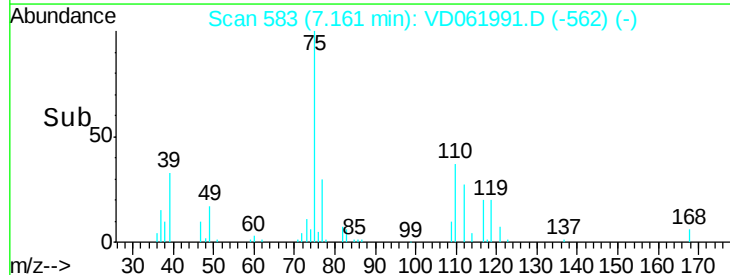
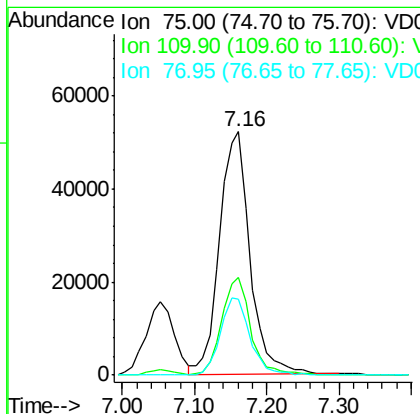
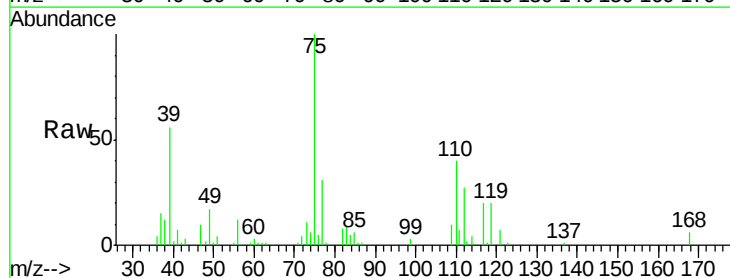
RT: 7.16 min Scan# 583

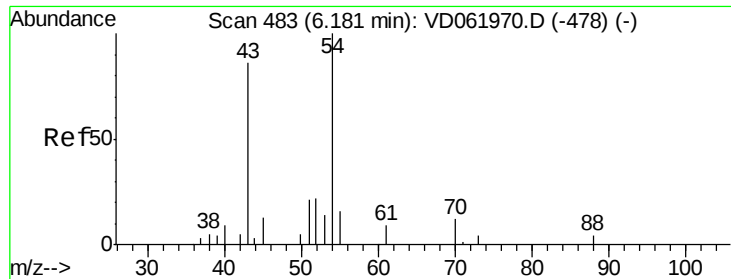
Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	75	Resp:	152074
Ion	Ratio	Lower	Upper
75	100		
110	39.9	19.1	57.1
77	31.1	25.6	38.4





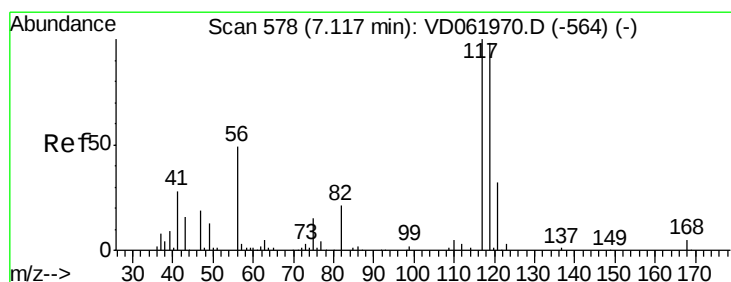
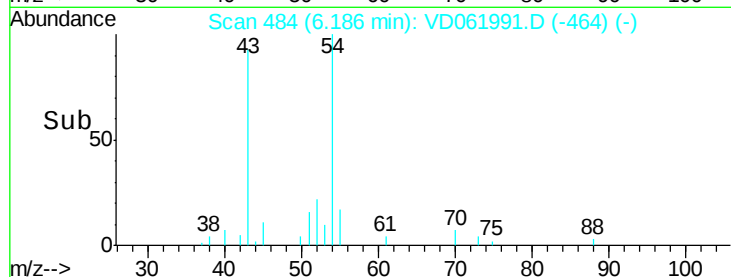
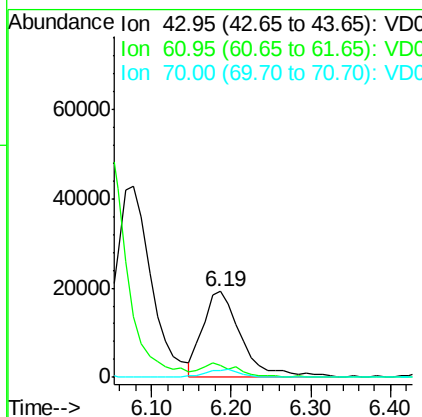
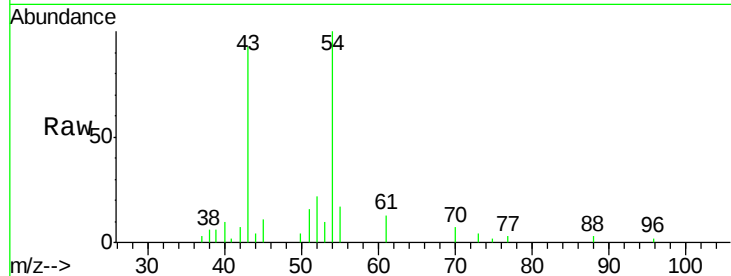
#37
Ethyl Acetate
Concen: 21.552 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	14.7	22.1#
70	7.6	7.8	11.6#

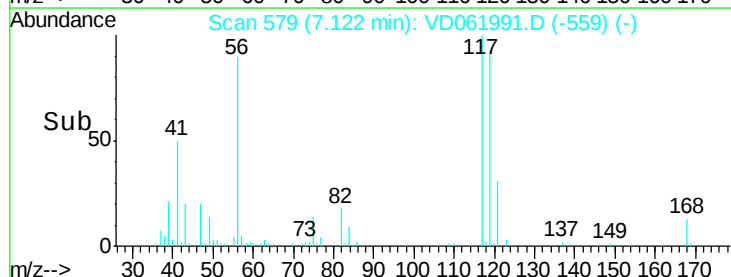
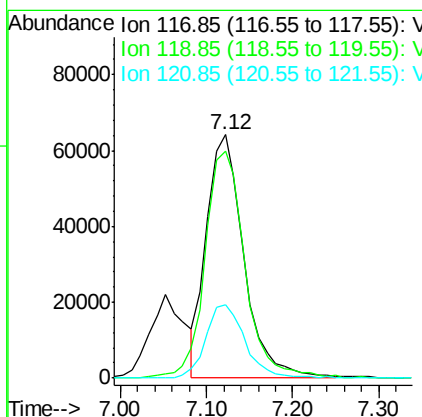
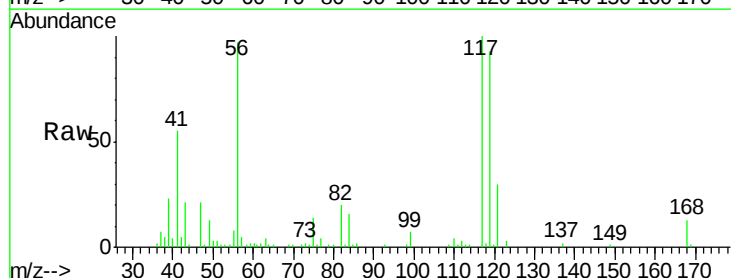
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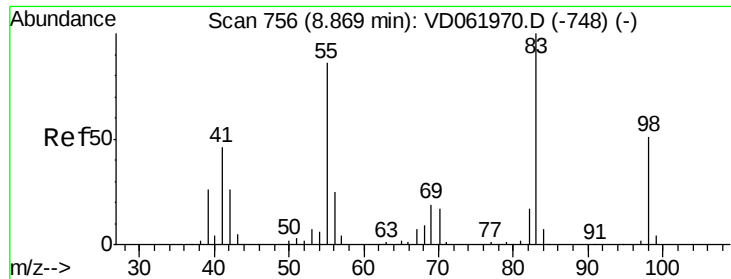
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#38
Carbon Tetrachloride
Concen: 21.704 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	75.8	113.8
121	30.1	25.9	38.9





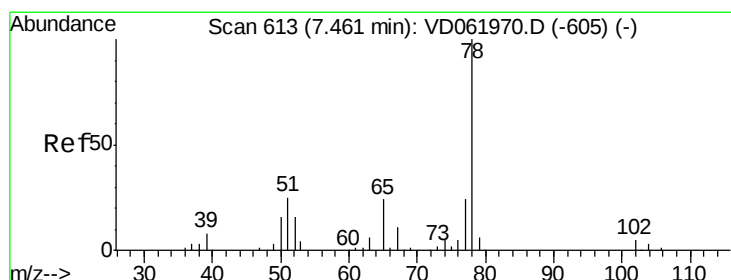
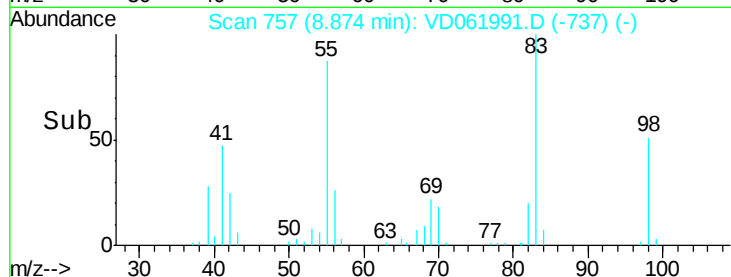
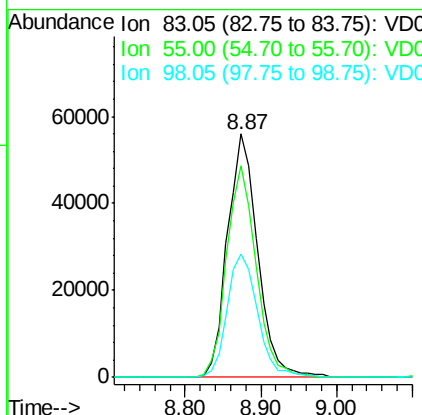
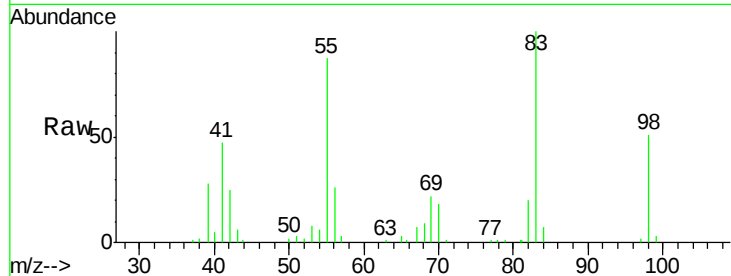
#39
Methvlcvclohexane
Concen: 22.243 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.1	68.2	102.4
98	50.7	38.2	57.4

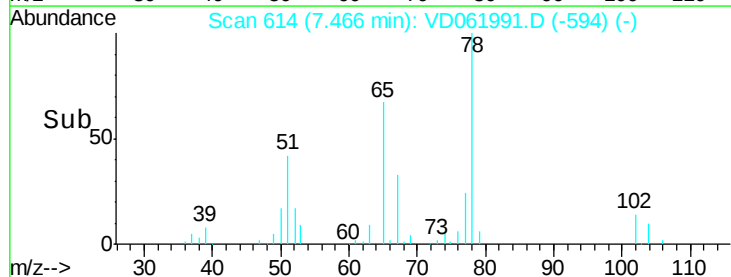
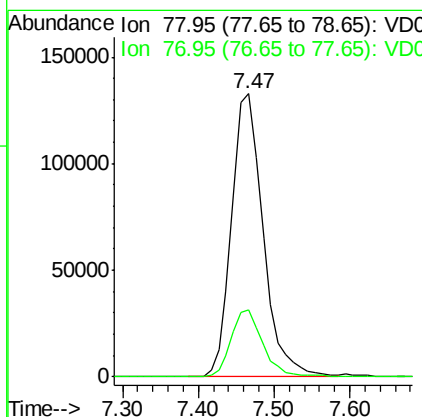
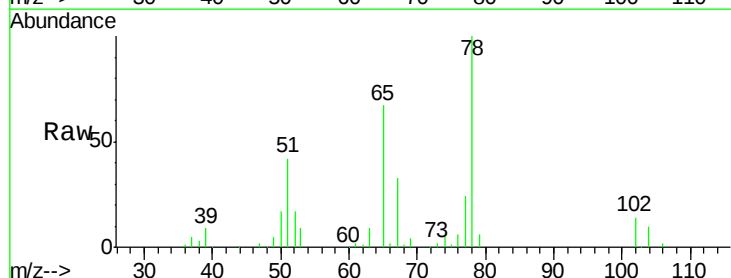
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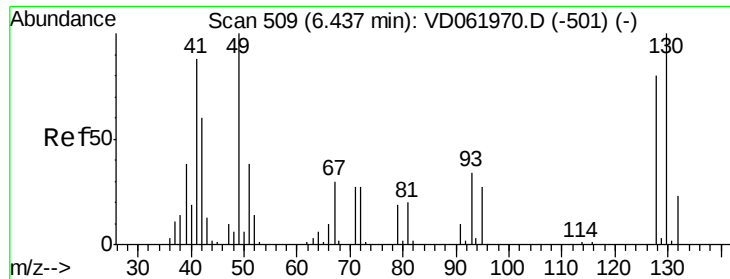
MMDadoda
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#40
Benzene
Concen: 21.982 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.7	29.5





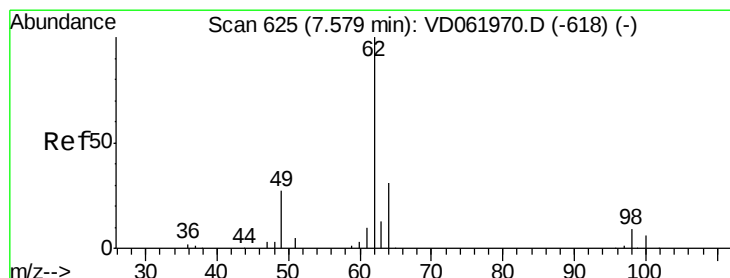
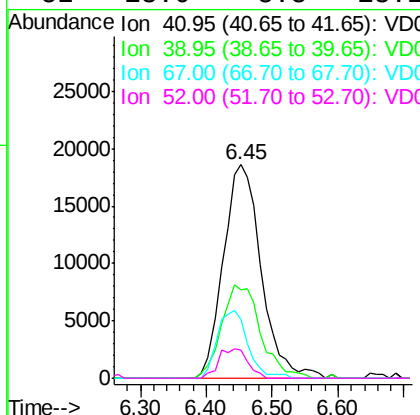
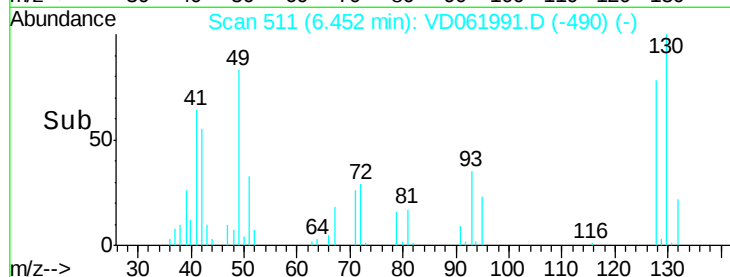
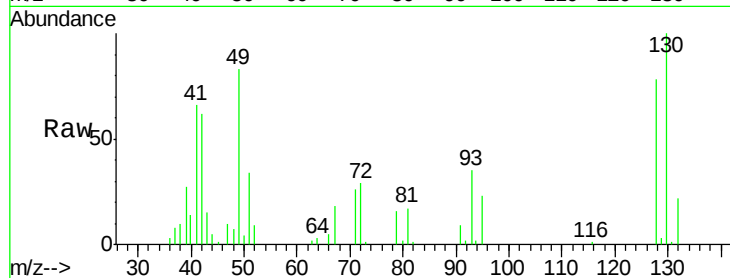
#41
Methacrylonitrile
Concen: 21.311 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ion	Ratio	Lower	Upper
74779	41	100		
	39	41.4	34.1	51.1
	67	27.5	23.8	35.6
	52	13.0	8.8	13.2

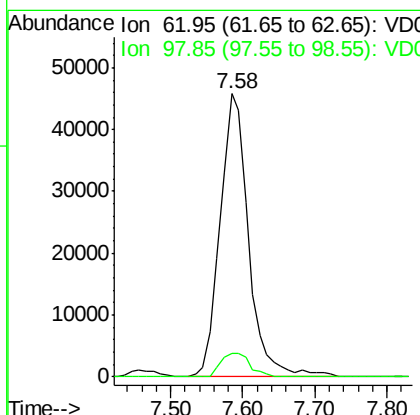
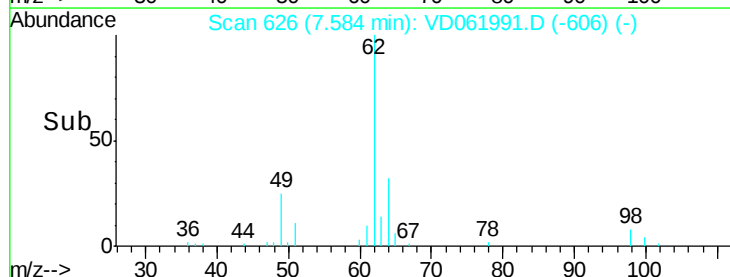
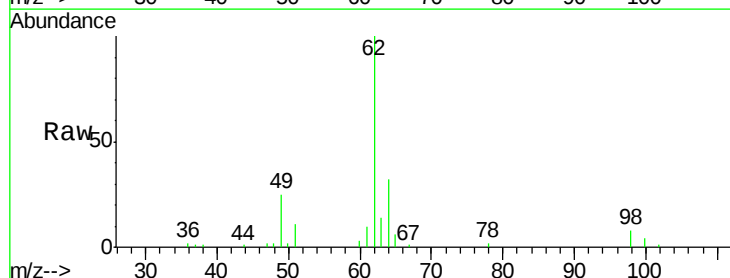
Manual Integrations
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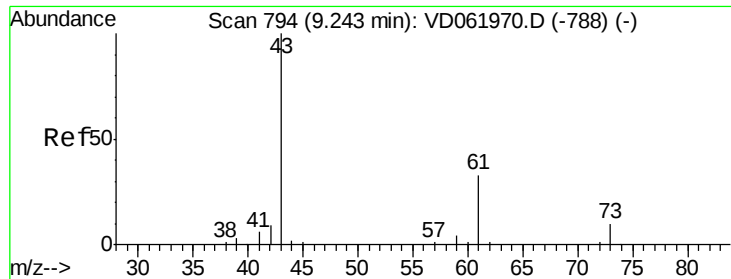
MMDadoda
4/26/2019 9:20:38 AM



#42
1,2-Dichloroethane
Concen: 21.116 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
125266	62	100		
	98	8.2	0.0	17.8





#43

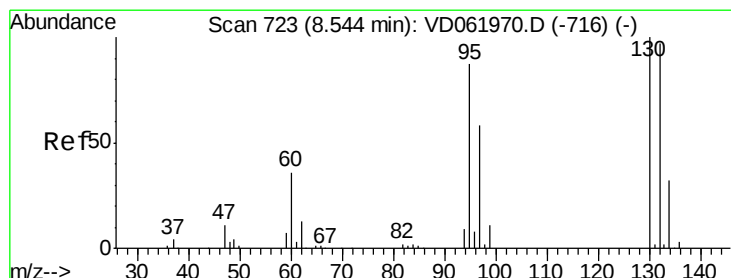
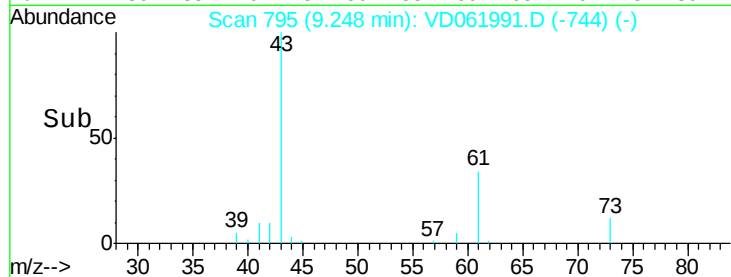
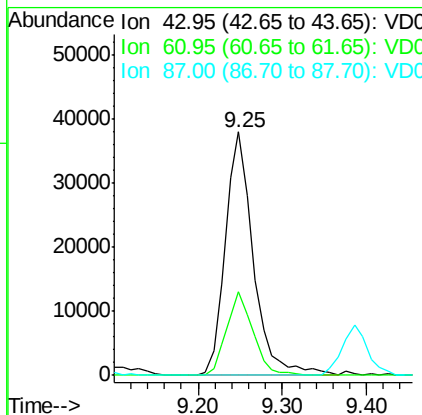
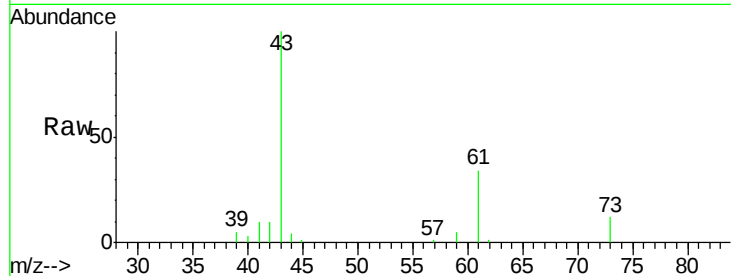
Isopropyl Acetate
 Concen: 19.949 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.1	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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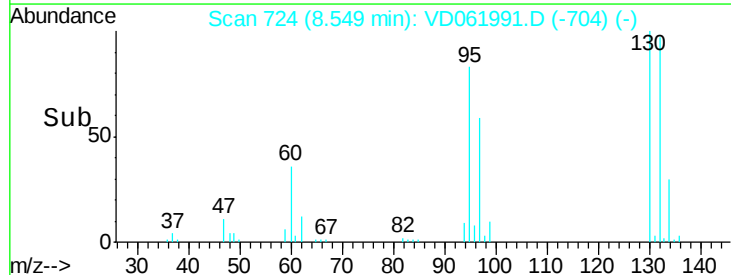
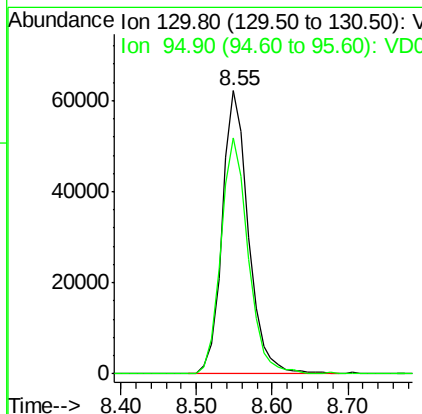
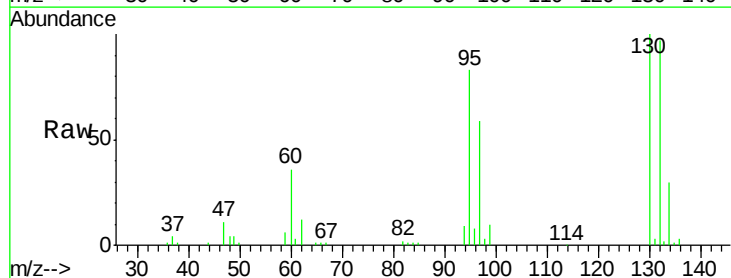
MMDadoda
 4/26/2019 9:20:38 AM

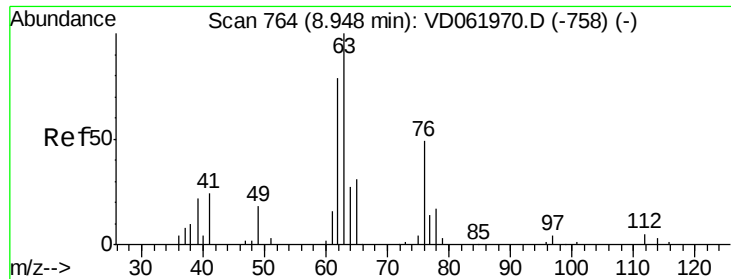


#44

Trichloroethene
 Concen: 21.966 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.2	0.0	174.0





#45

1,2-Dichloropropane

Concen: 19.564 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 63 Resp: 86715

Ion Ratio Lower Upper

63 100

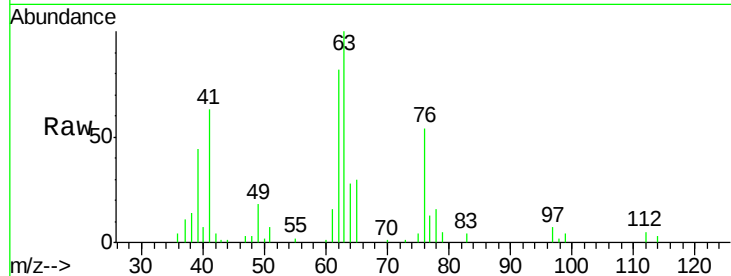
65 30.4 23.8 35.6

Manual Integrations

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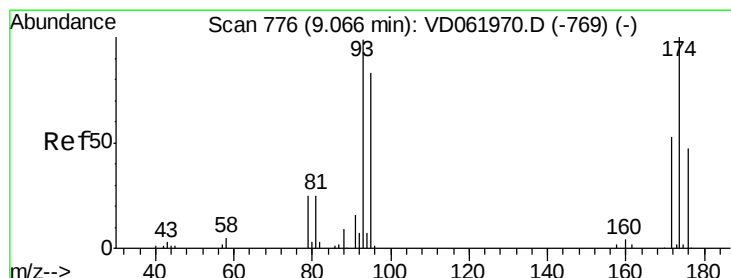
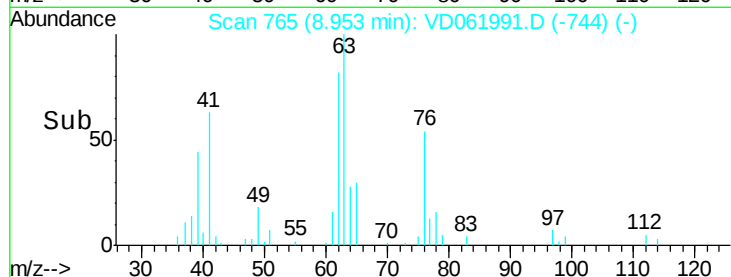
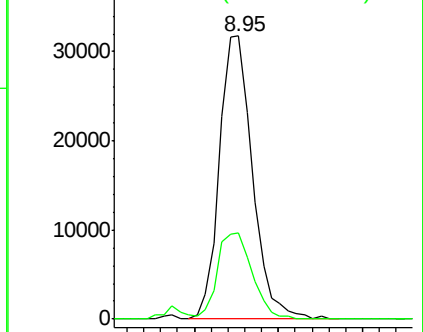
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.787 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

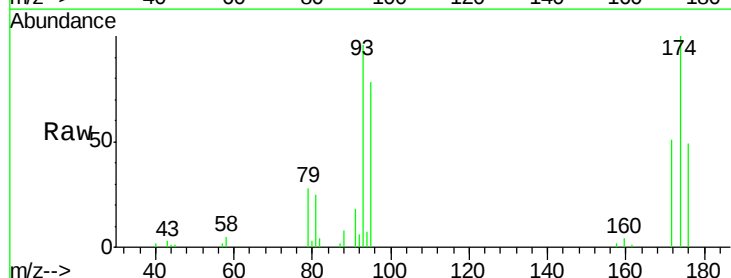
Tgt Ion: 93 Resp: 72675

Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

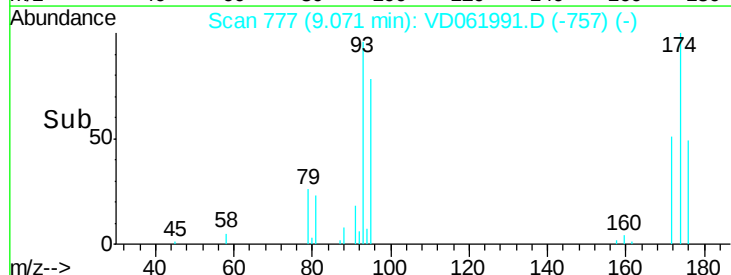
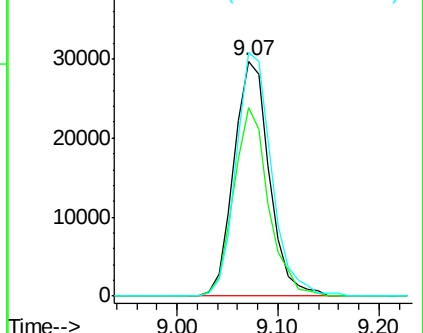
174 103.6 79.3 118.9

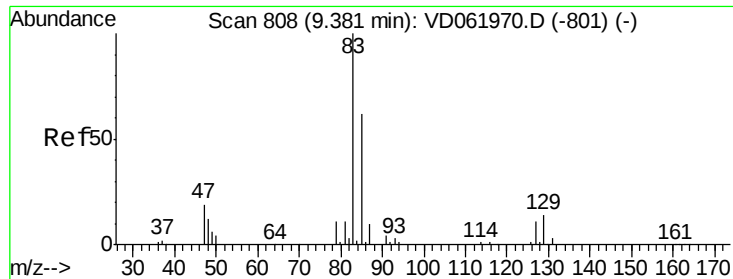


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.274 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

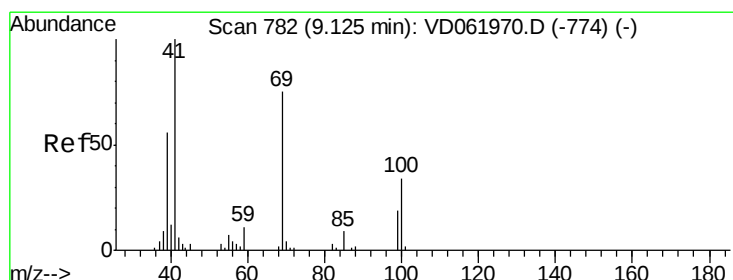
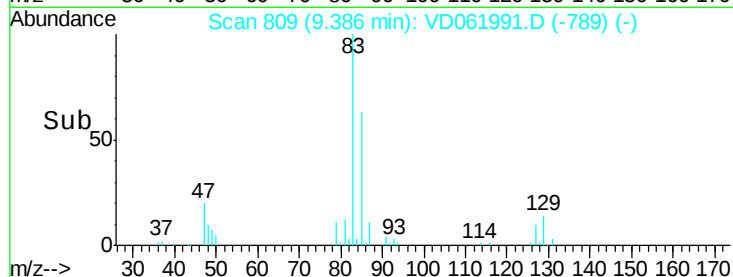
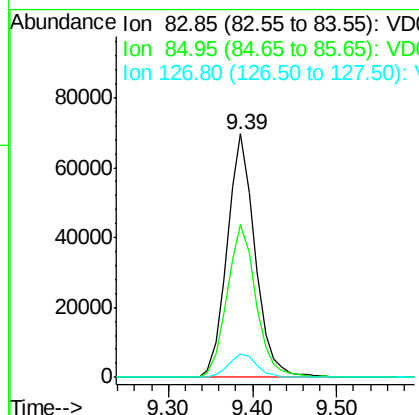
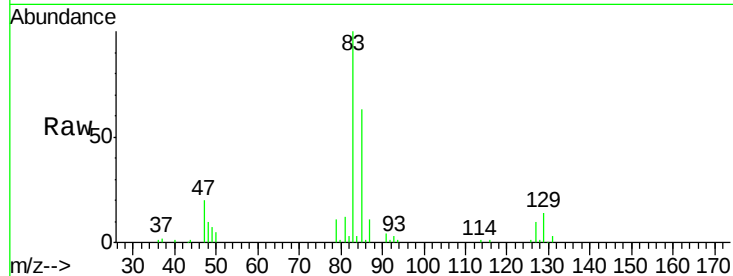
ClientSampleId :

VD0424SBS01

Tot Ion:	83	Resp:	160320
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.9	76.3
127	9.9	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.952 ug/l

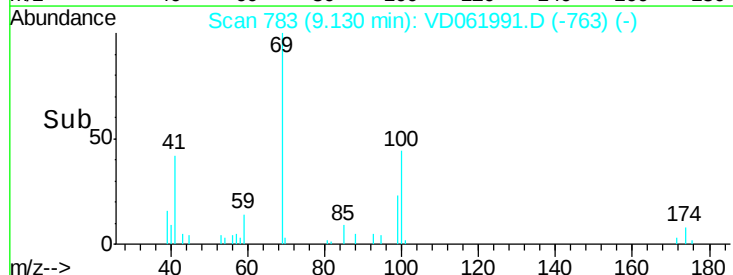
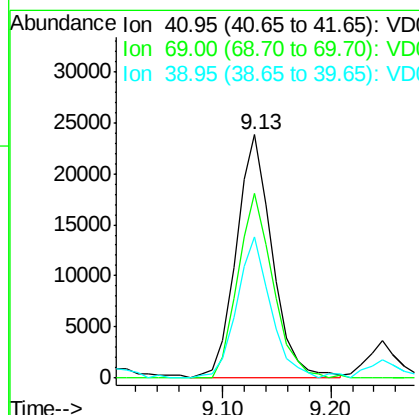
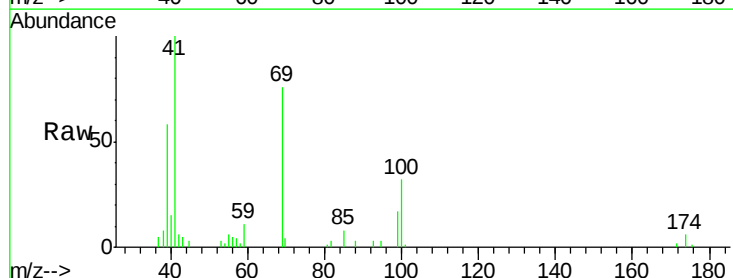
RT: 9.13 min Scan# 783

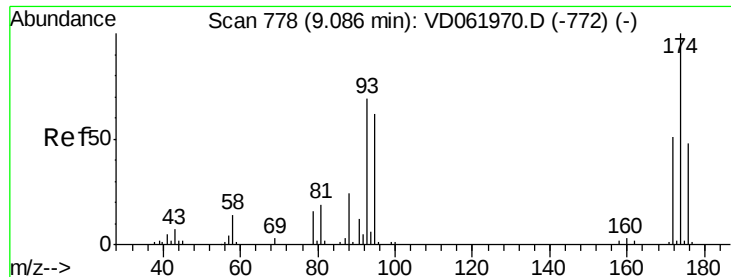
Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	41	Resp:	55036
Ion	Ratio	Lower	Upper
41	100		
69	75.9	64.2	96.2
39	58.1	46.8	70.2





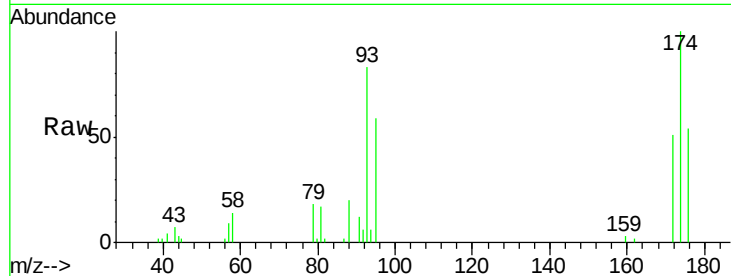
#49
1,4-Dioxane
Concen: 445.870 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

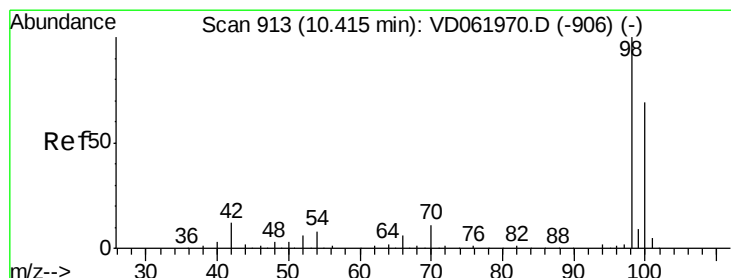
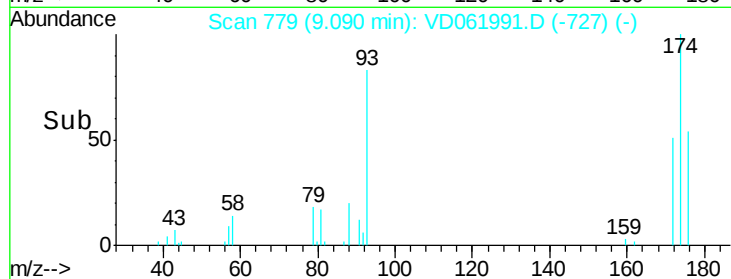
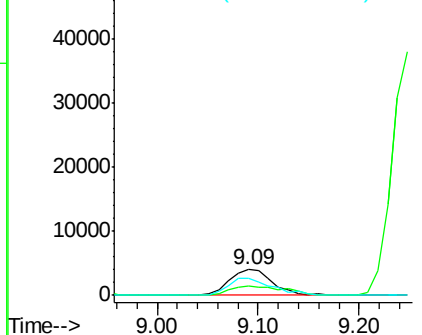
Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	23.4	35.0#
58	68.3	44.0	66.0#

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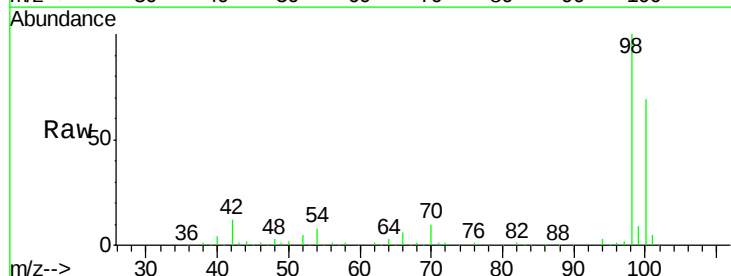


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

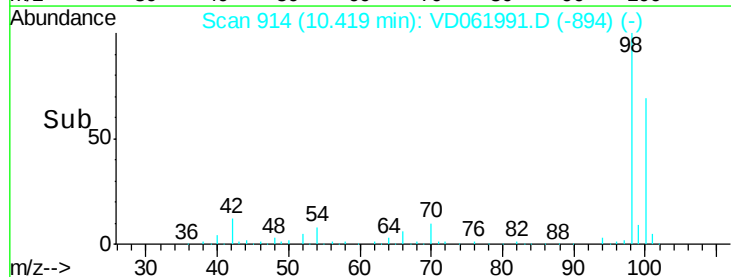
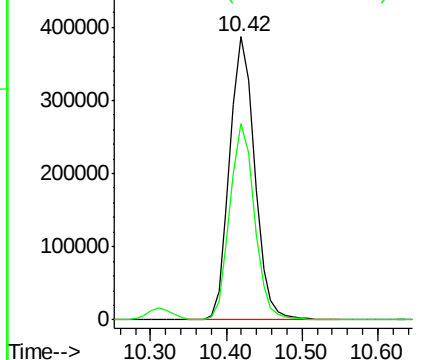


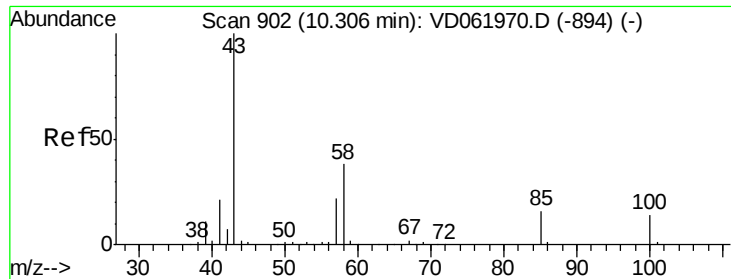
#50
Toluene-d8
Concen: 59.766 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	53.8	80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 107.437 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleID :

VD0424SBS01

Tot Ion: 43 Resp: 288720

Ion Ratio Lower Upper

43 100

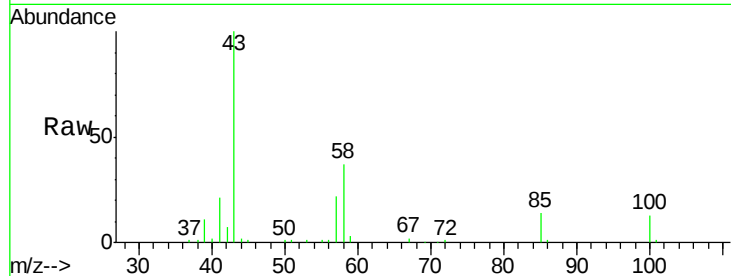
58 37.3 30.4 45.6

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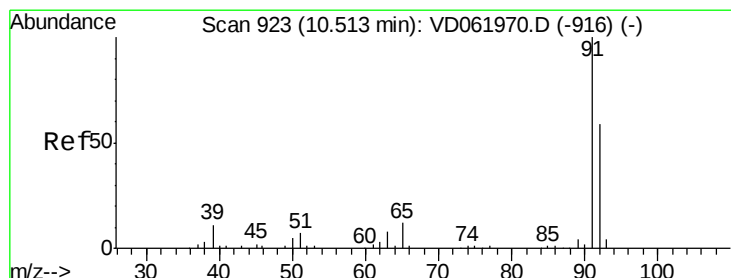
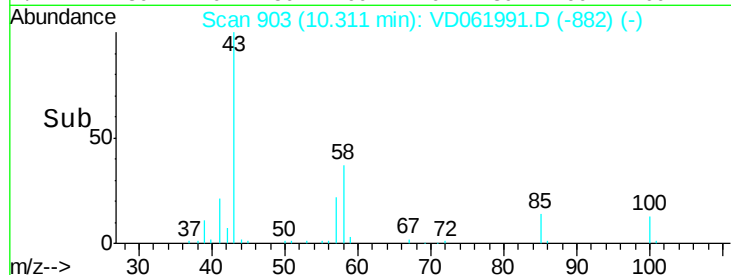
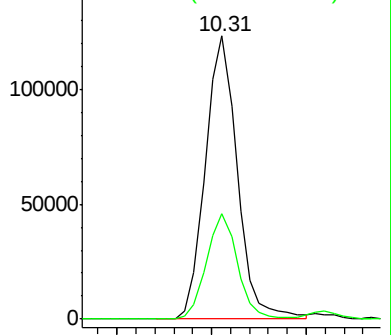
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.641 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061991.D

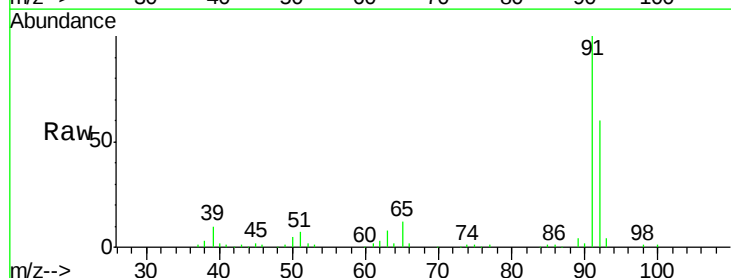
Acq: 24 Apr 2019 12:04

Tgt Ion: 92 Resp: 252227

Ion Ratio Lower Upper

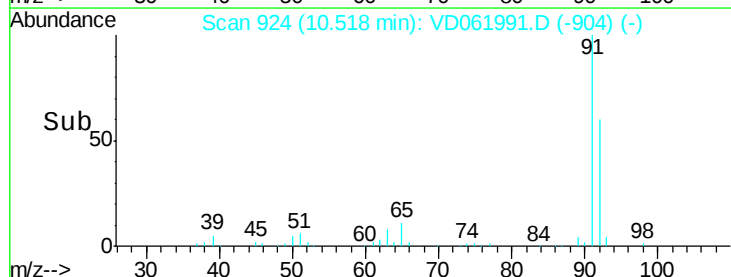
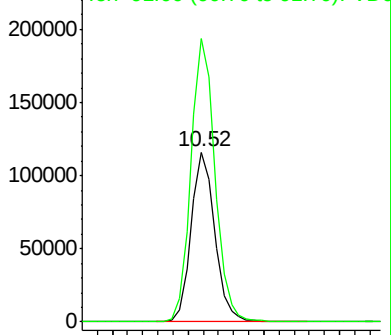
92 100

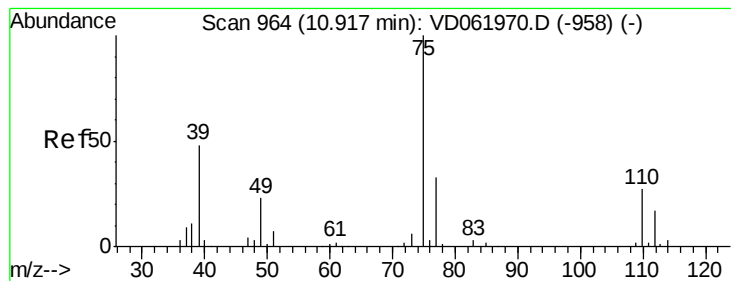
91 166.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.149 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tot Ion: 75 Resp: 140103

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

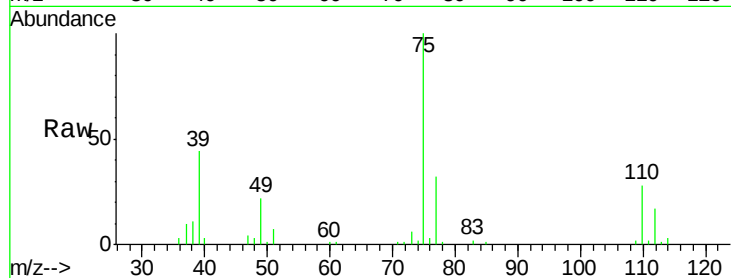
VD0424SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

80000

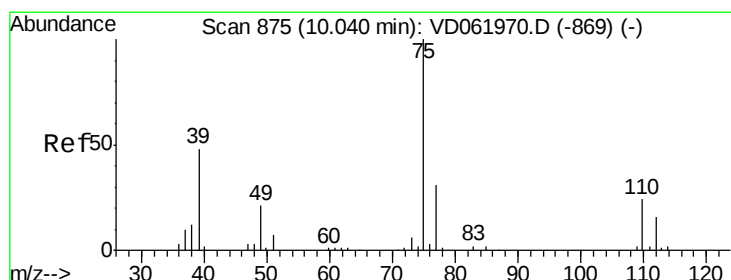
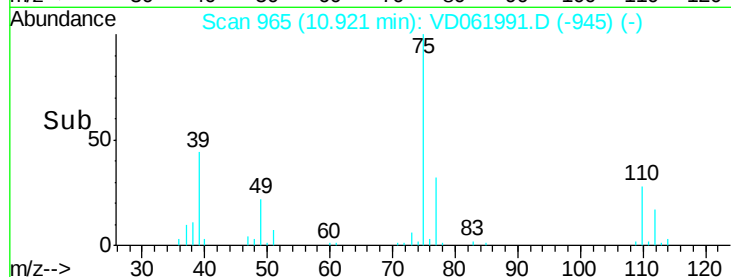
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 22.077 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

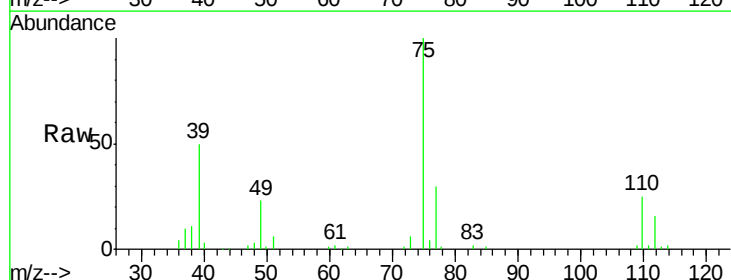
Tgt Ion: 75 Resp: 169851

Ion Ratio Lower Upper

75 100

77 30.2 25.5 38.3

39 49.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

100000

80000

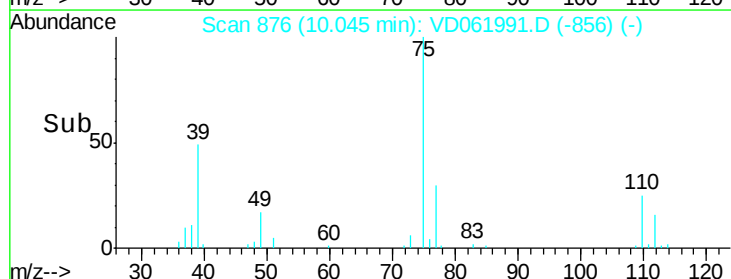
60000

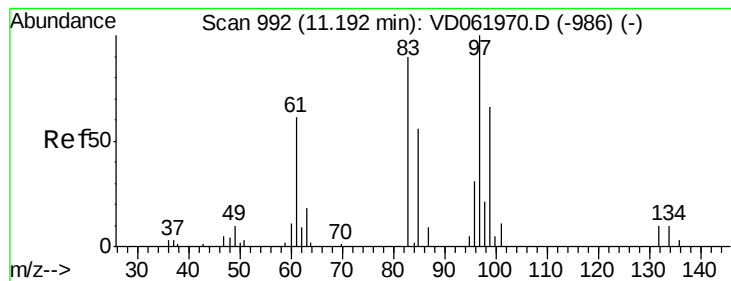
40000

20000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 21.704 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 97 Resp: 81173

Ion Ratio Lower Upper

97 100

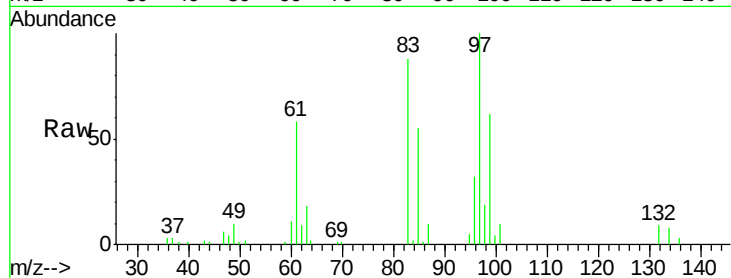
83 88.1 65.7 98.5

85 54.6 45.6 68.4

99 62.0 48.4 72.6

Manual Integrations
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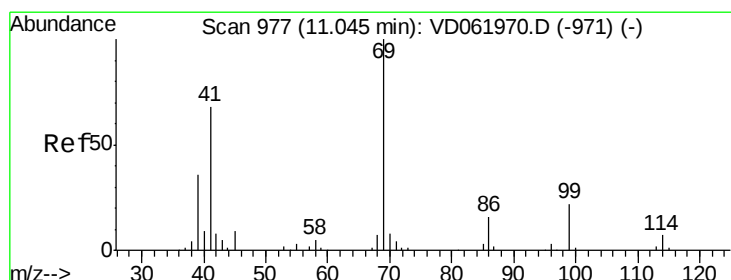
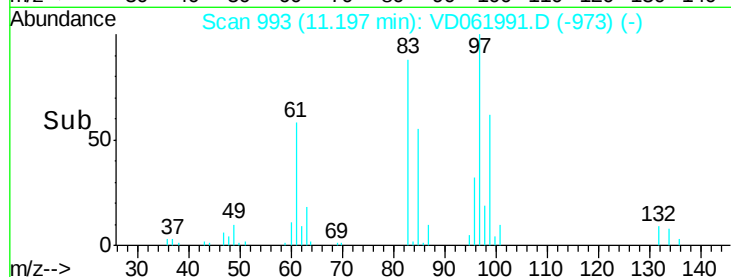
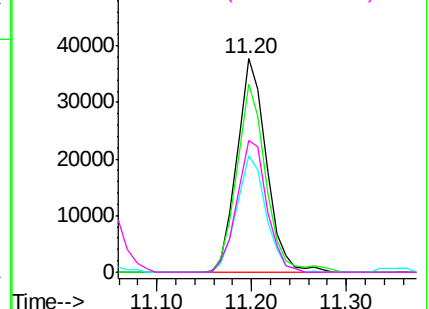


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.050 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

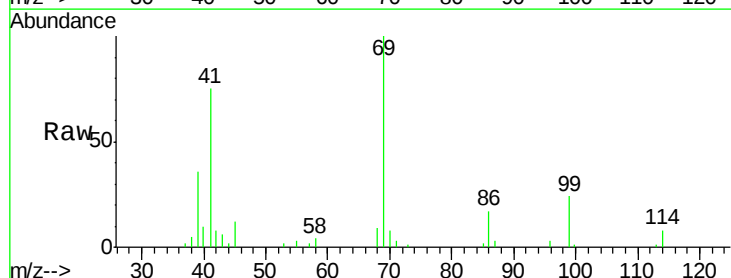
Tgt Ion: 69 Resp: 87195

Ion Ratio Lower Upper

69 100

41 74.9 56.3 84.5

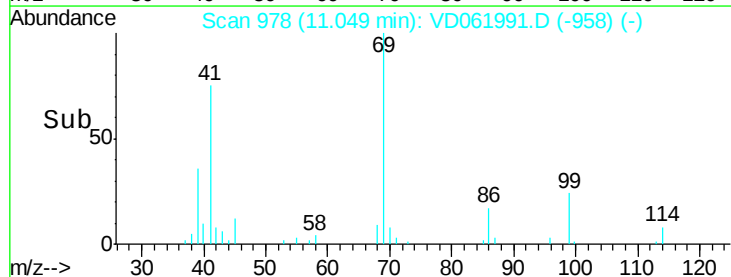
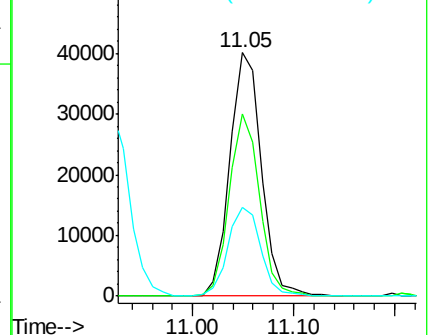
39 36.5 29.4 44.2

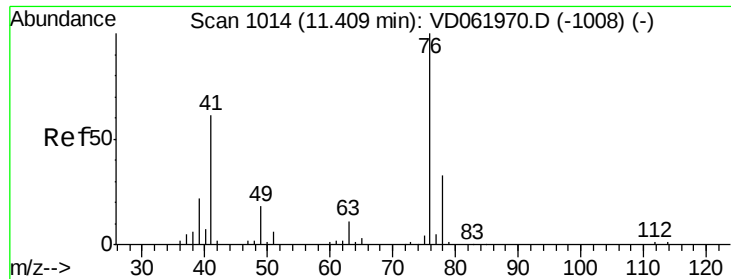


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.885 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 76 Resp: 114864

Ion Ratio Lower Upper

76 100

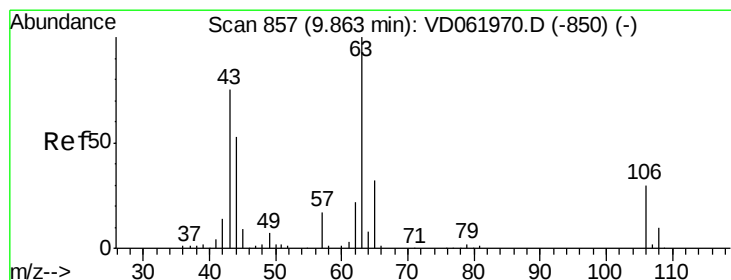
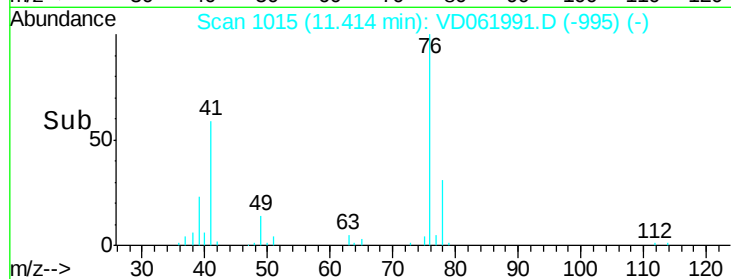
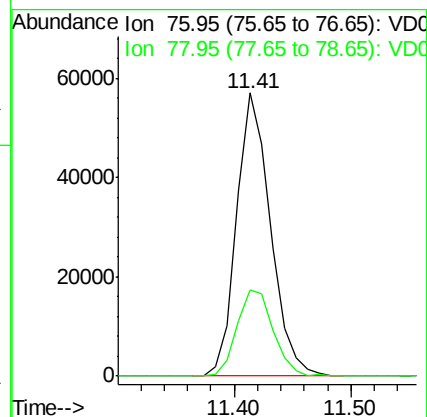
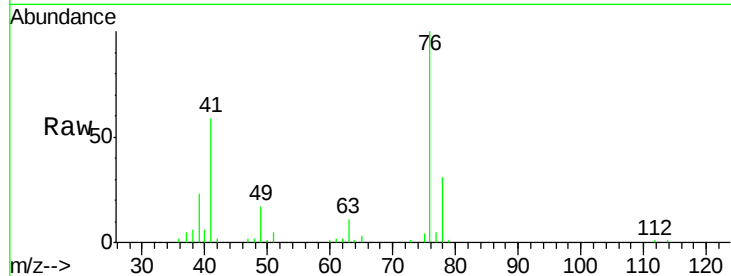
78 30.6 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 123.826 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD061991.D

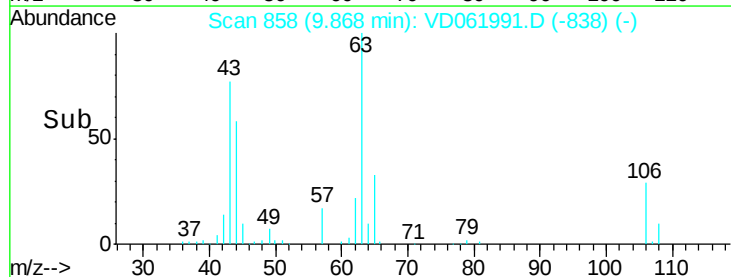
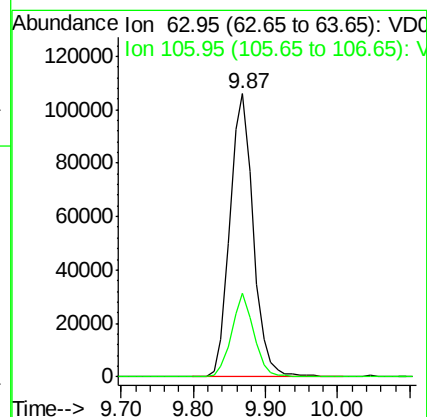
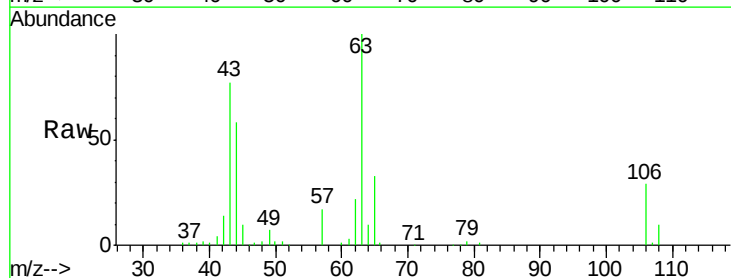
Acq: 24 Apr 2019 12:04

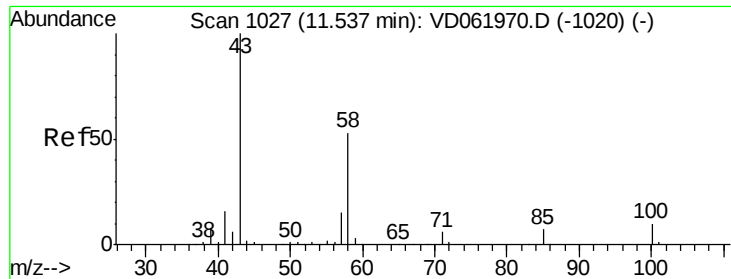
Tgt Ion: 63 Resp: 238470

Ion Ratio Lower Upper

63 100

106 29.4 22.6 34.0





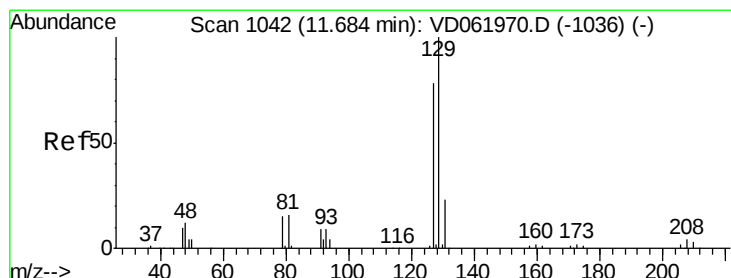
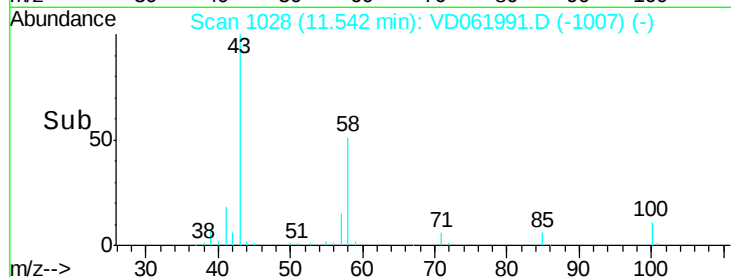
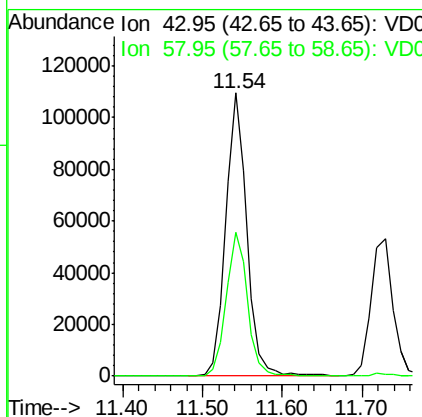
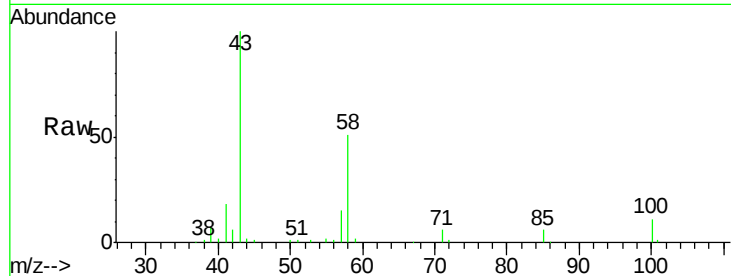
#59
2-Hexanone
Concen: 101.447 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 43 Resp: 204506
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

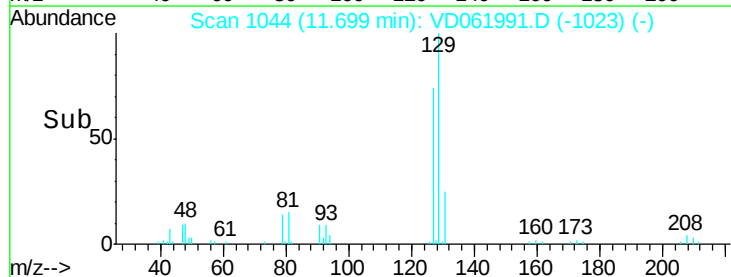
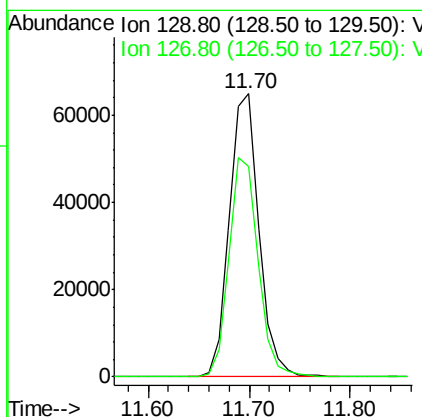
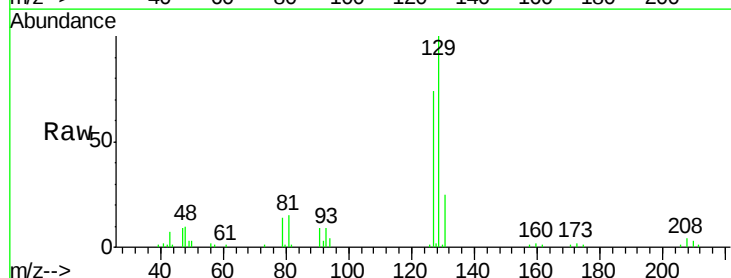
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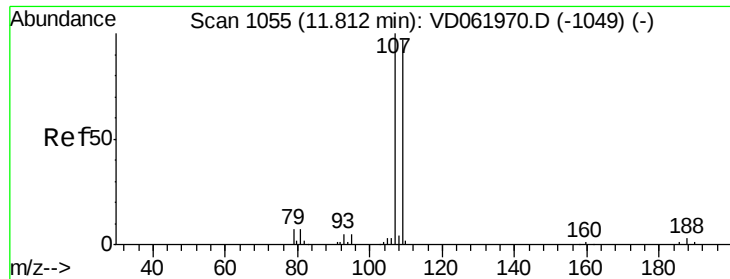
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#60
Dibromochloromethane
Concen: 21.303 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:129 Resp: 131828
Ion Ratio Lower Upper
129 100
127 74.3 38.0 113.9





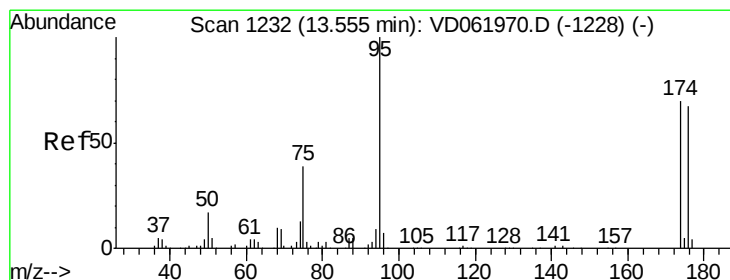
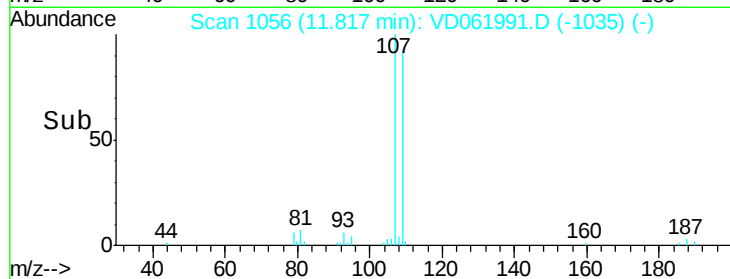
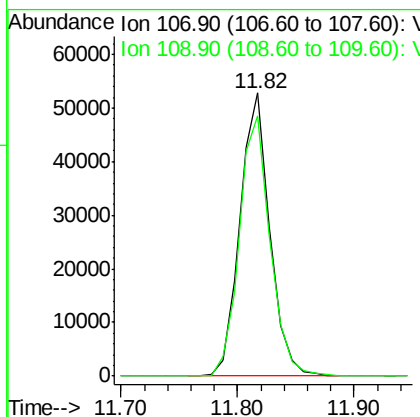
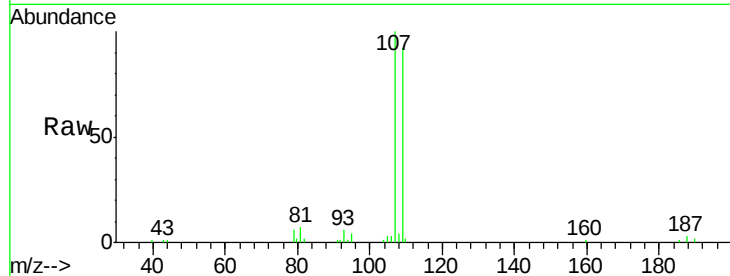
#61
 1,2-Dibromoethane
 Concen: 21.084 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	78.3	117.5

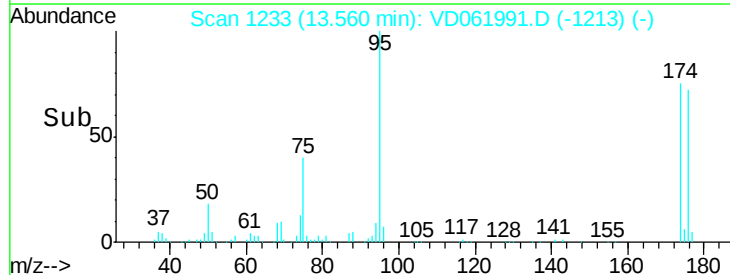
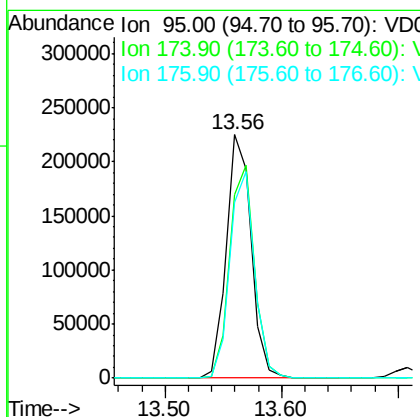
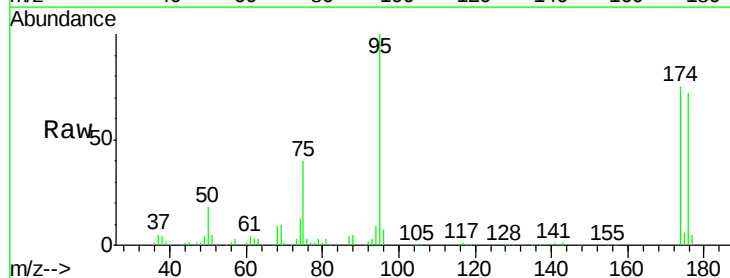
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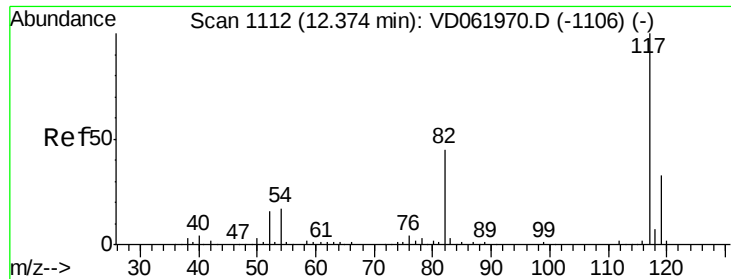
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#62
 4-Bromofluorobenzene
 Concen: 55.469 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	181.8
176	72.0	0.0	174.4





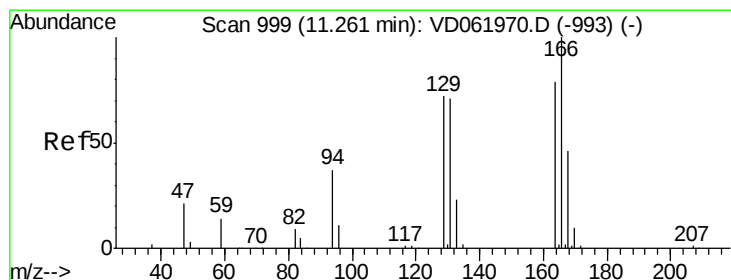
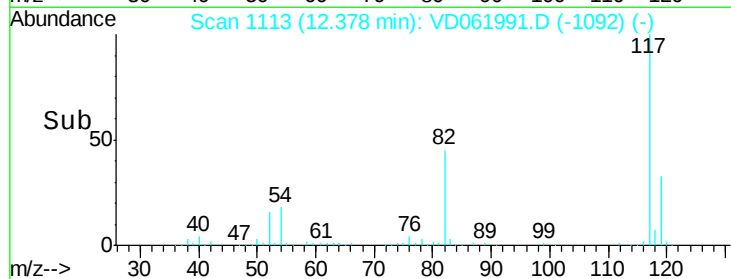
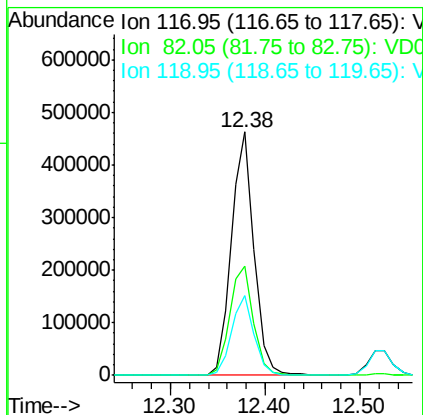
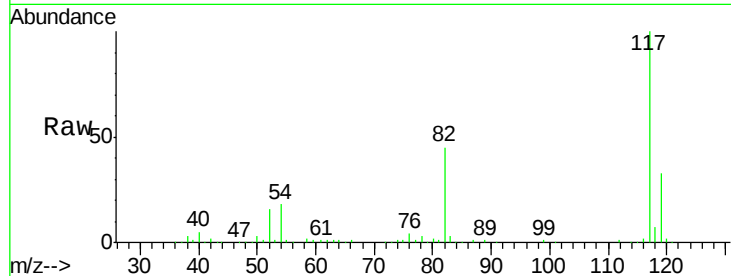
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.1	36.2	54.2
119	32.8	26.2	39.4

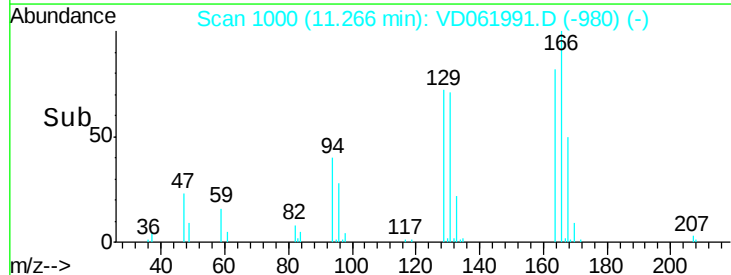
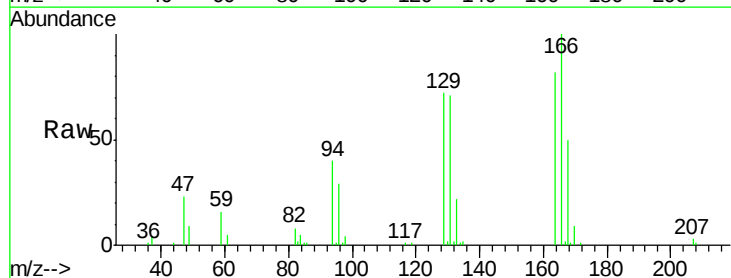
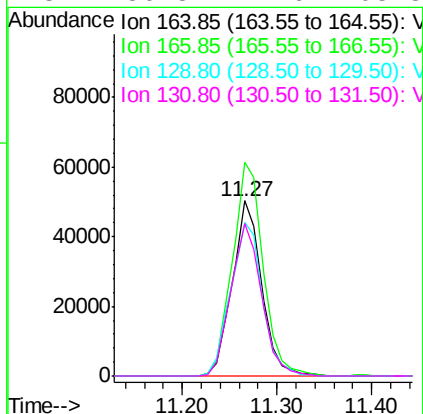
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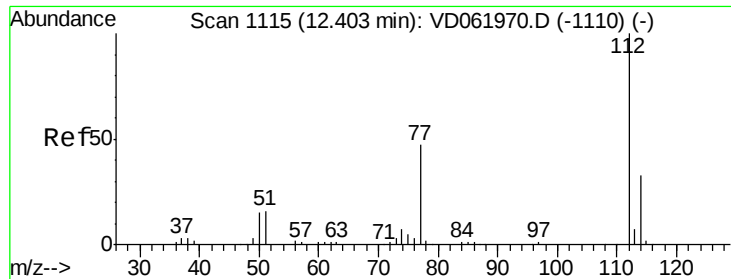
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#64
Tetrachloroethene
Concen: 19.802 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	101.5	152.3
129	88.0	74.6	112.0
131	86.8	72.6	108.8





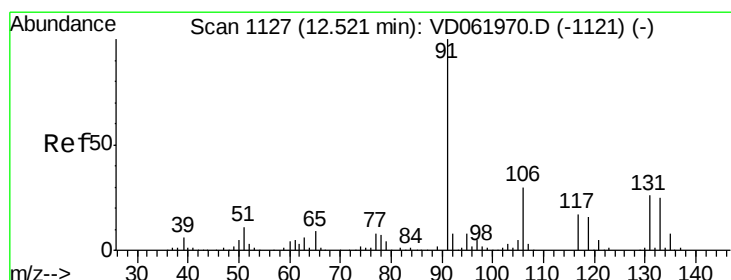
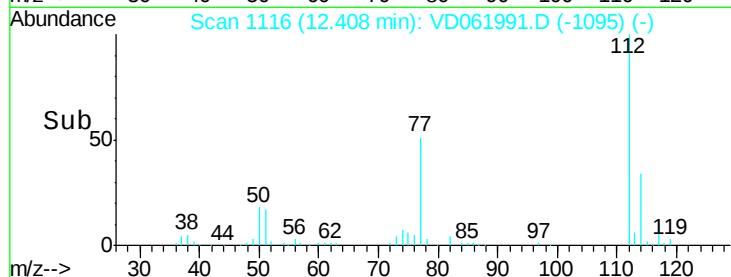
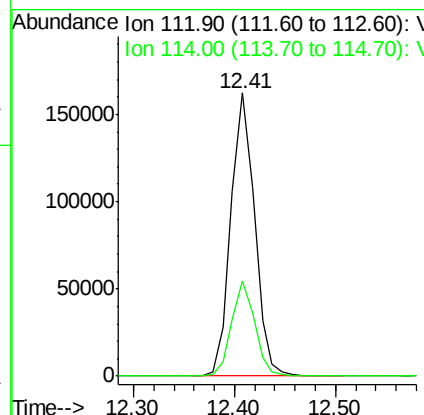
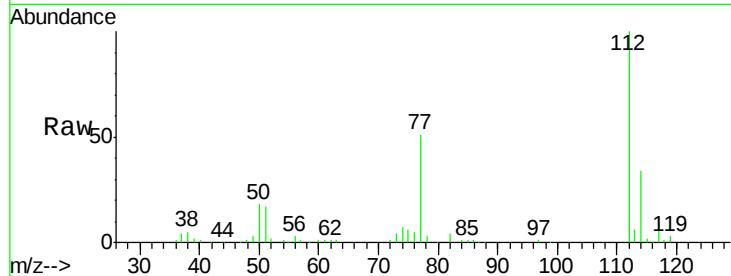
#65
Chlorobenzene
Concen: 18.500 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion:112 Resp: 266581
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8

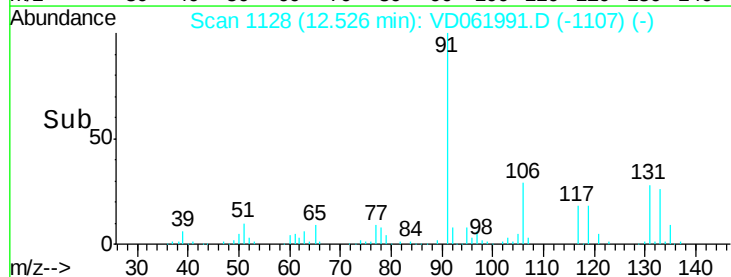
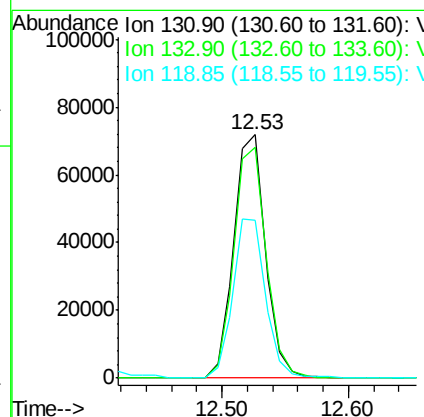
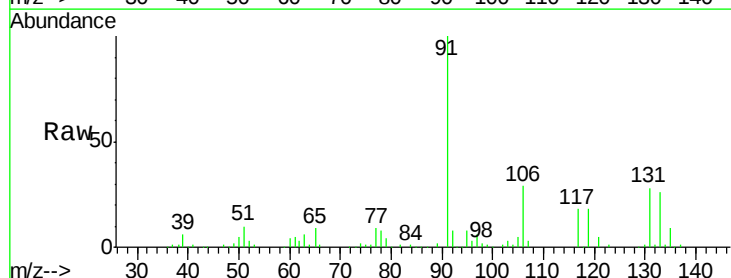
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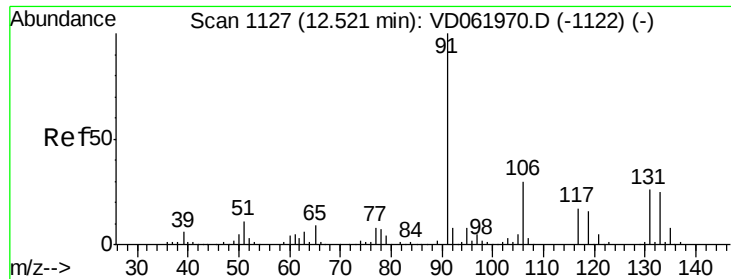
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.406 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:131 Resp: 124731
Ion Ratio Lower Upper
131 100
133 94.8 48.6 145.8
119 65.0 34.7 104.1





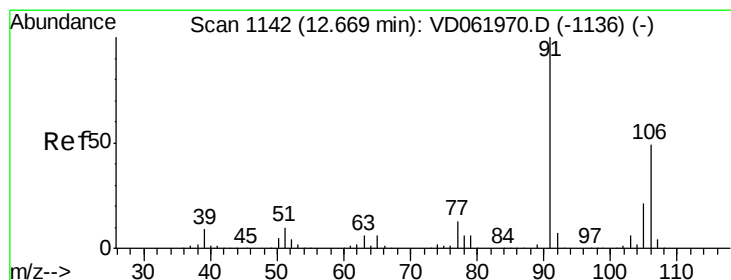
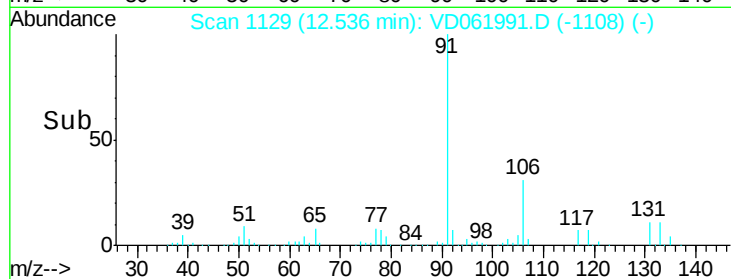
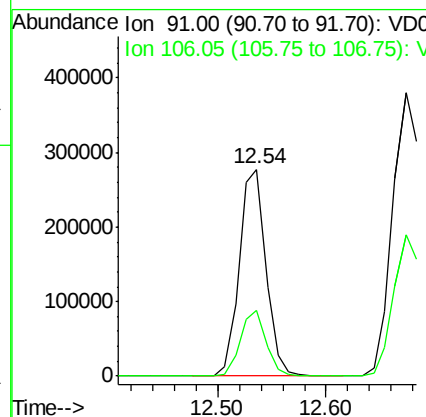
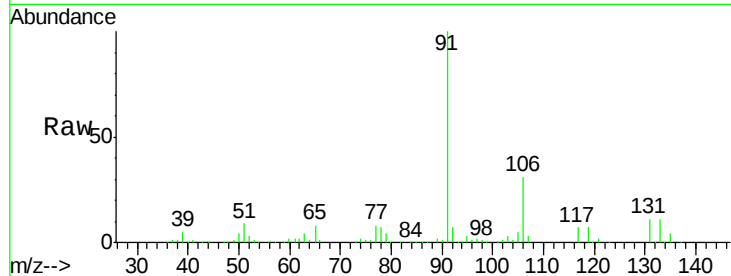
#67
Ethyl Benzene
Concen: 20.210 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 91 Resp: 475327
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

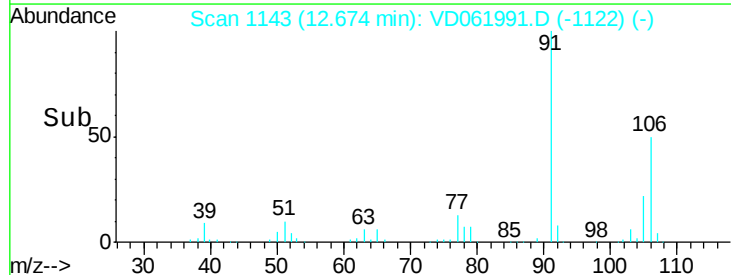
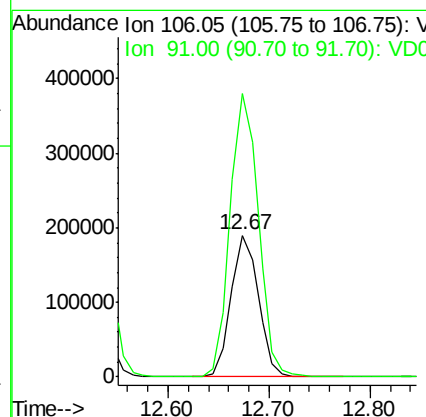
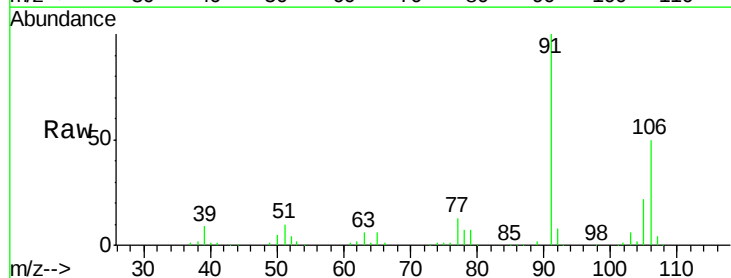
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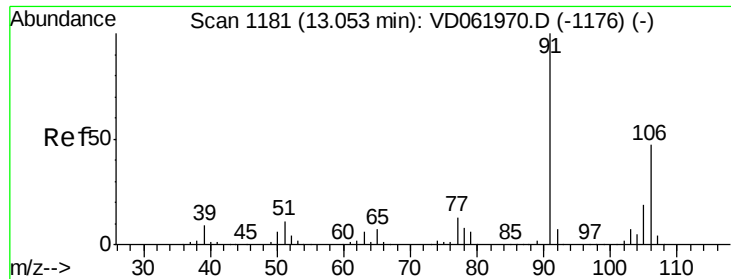
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#68
m/p-Xylenes
Concen: 42.223 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 106 Resp: 358919
Ion Ratio Lower Upper
106 100
91 200.0 164.0 246.0





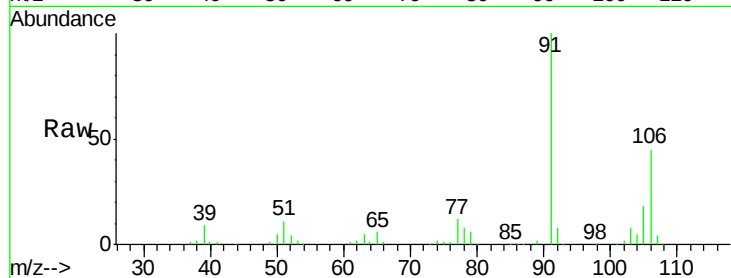
#69
o-Xylene
Concen: 21.389 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleID :
VD0424SBS01

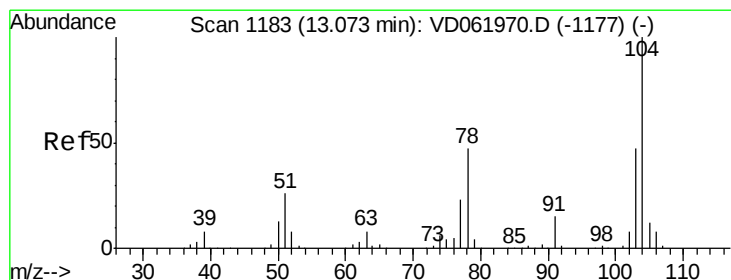
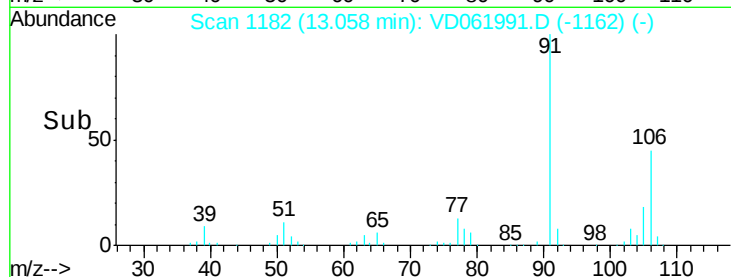
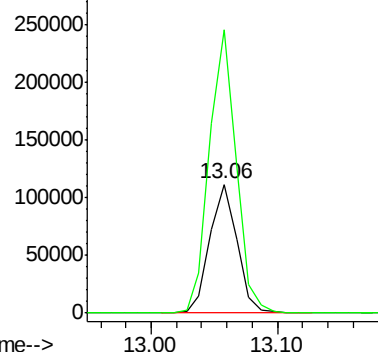
Tot Ion:106 Resp: 166358
Ion Ratio Lower Upper
106 100
91 220.1 106.7 319.9

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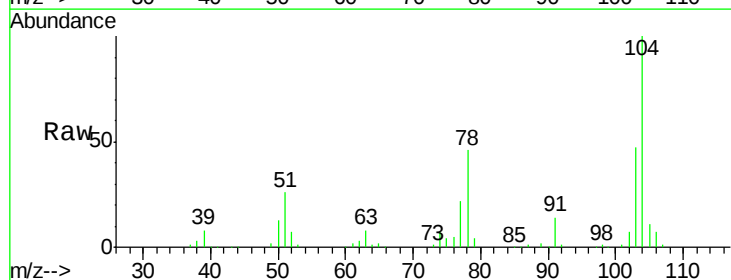


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

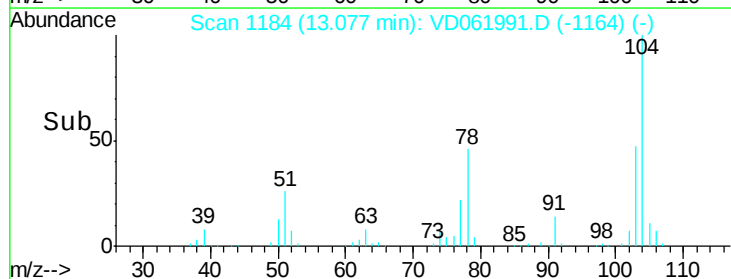
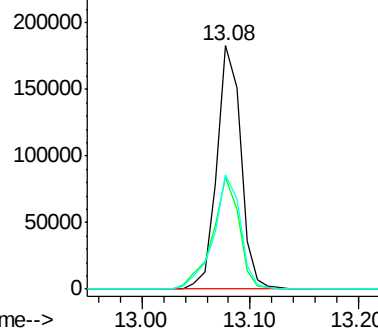


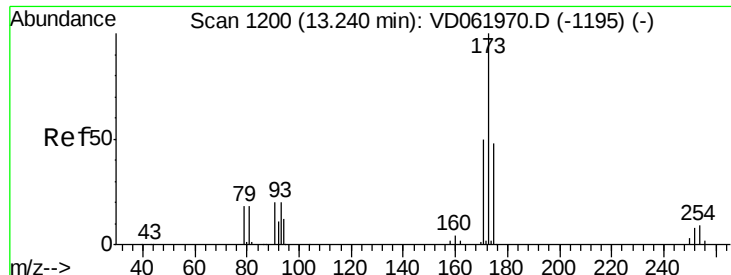
#70
Styrene
Concen: 21.015 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:104 Resp: 282226
Ion Ratio Lower Upper
104 100
78 45.7 35.4 53.2
103 47.1 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.492 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:173 Resp: 67926

Ion Ratio Lower Upper

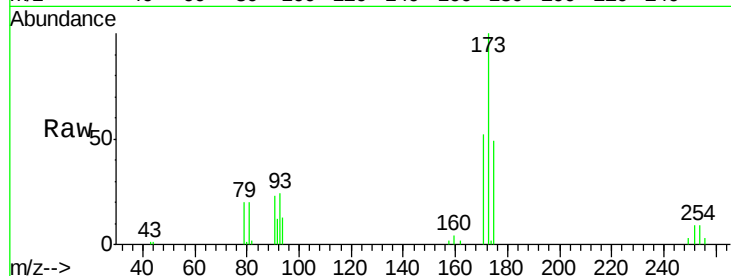
173 100

175 48.8 24.4 73.4

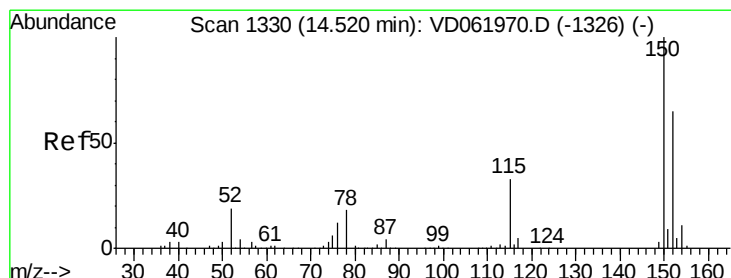
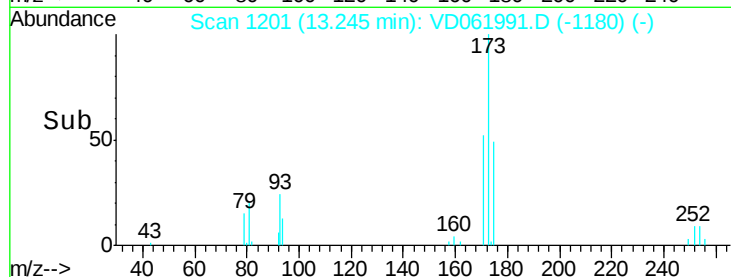
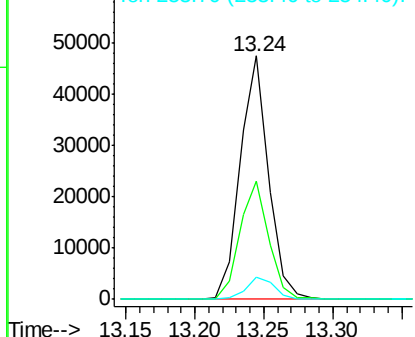
254 8.9 5.4 8.2#

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

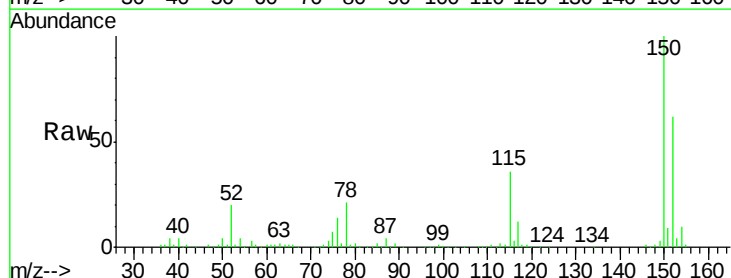
Tgt Ion:152 Resp: 343305

Ion Ratio Lower Upper

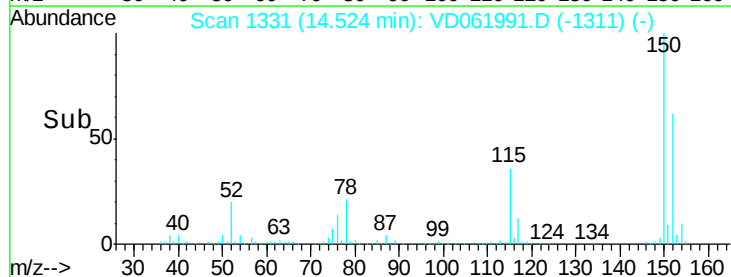
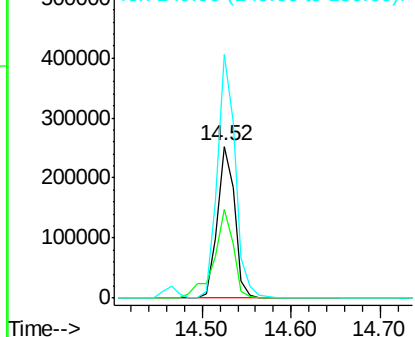
152 100

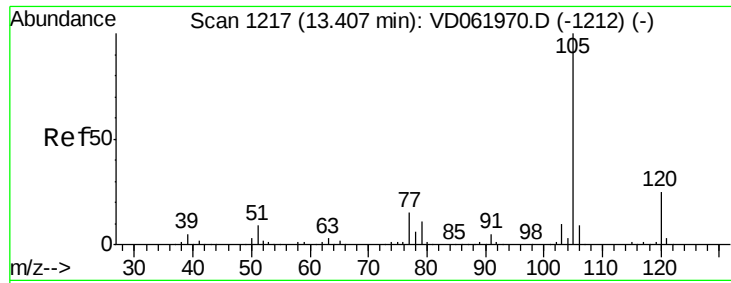
115 58.4 30.9 92.7

150 160.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.032 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 105 Resp: 481648

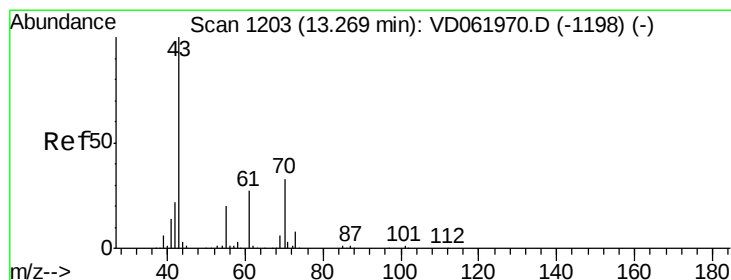
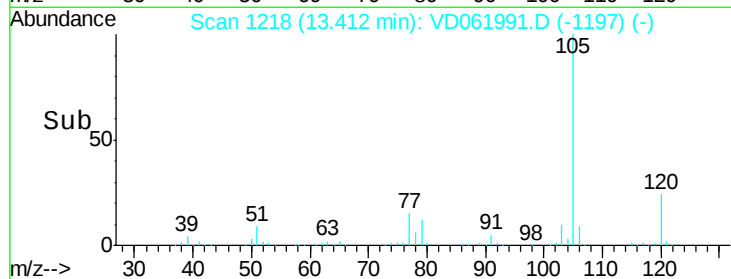
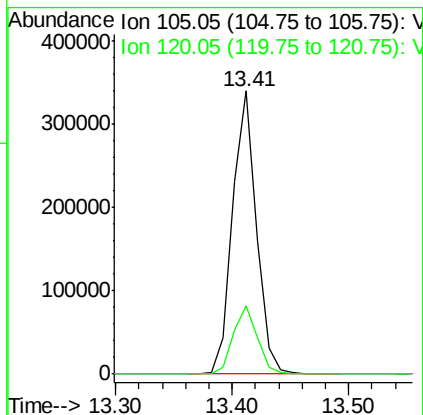
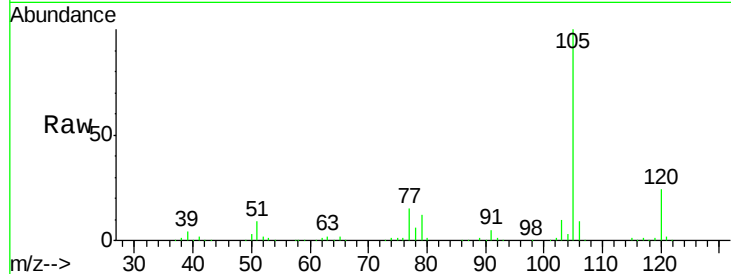
Ion Ratio Lower Upper

105 100

120 24.2 12.0 36.1

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#74

N-ethyl acetate

Concen: 19.288 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 113757

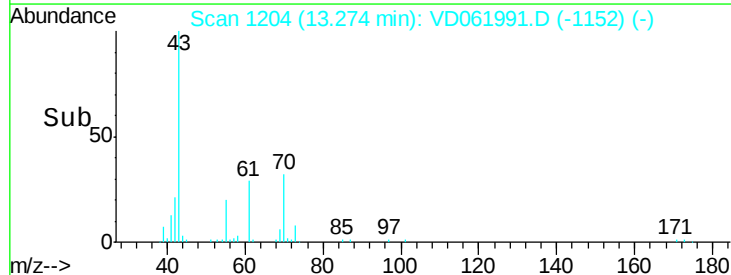
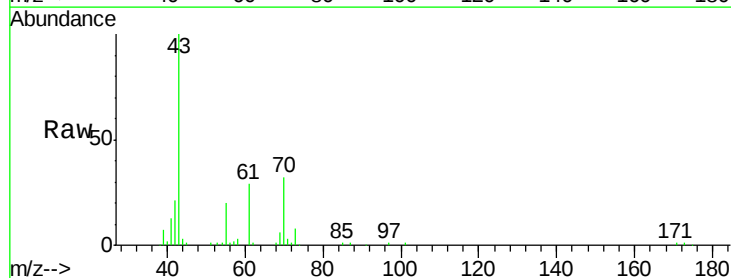
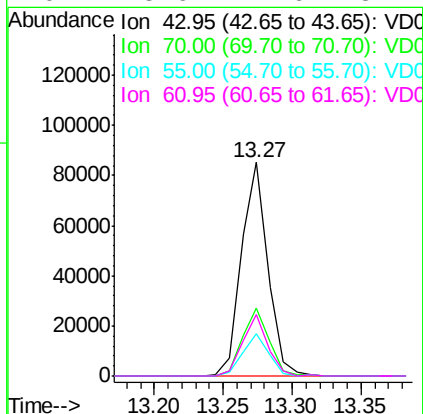
Ion Ratio Lower Upper

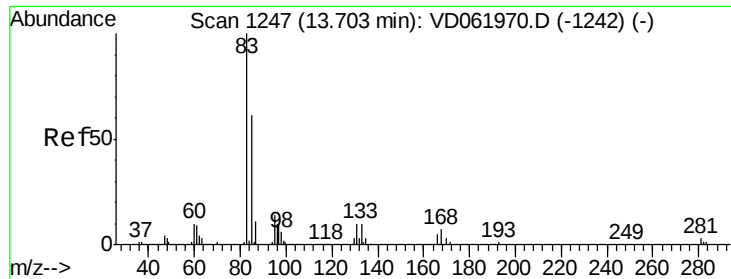
43 100

70 32.1 24.2 36.4

55 19.7 16.0 24.0

61 28.6 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.799 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

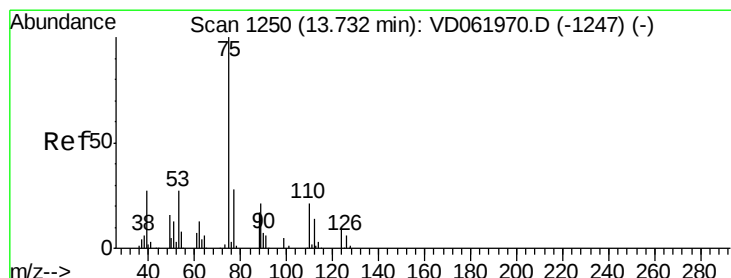
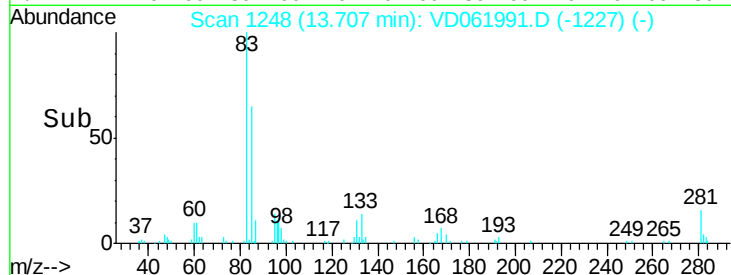
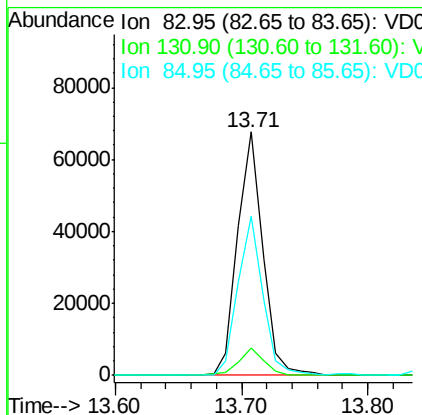
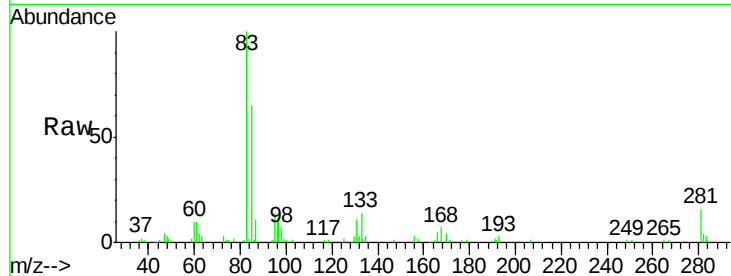
ClientSampleId :

VD0424SBS01

Tot Ion:	83	Resp:	93342
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	14.9
85	65.3	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.618 ug/l

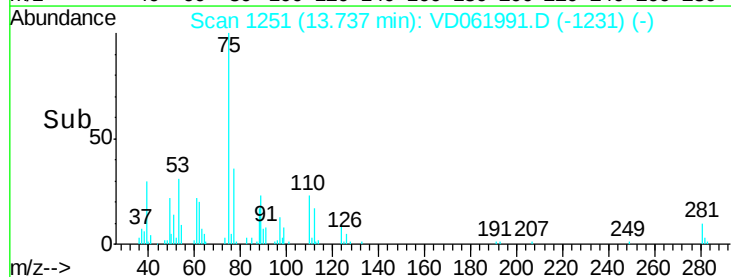
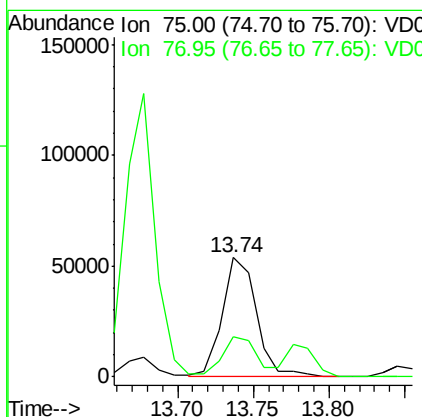
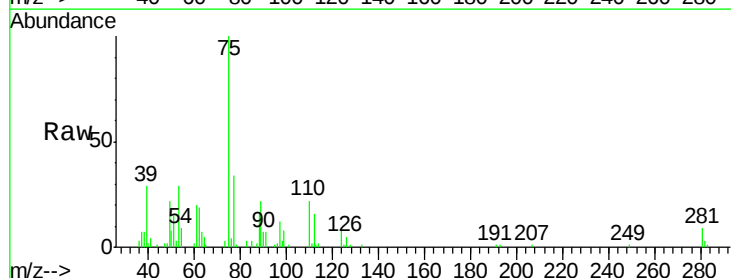
RT: 13.74 min Scan# 1251

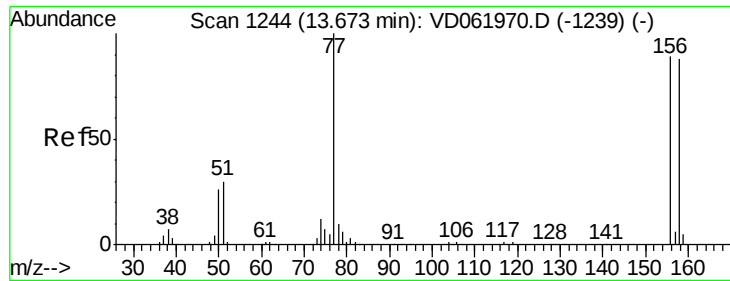
Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	75	Resp:	85524
Ion Ratio	Lower	Upper	
75	100		
77	34.1	16.4	49.4





#77

Bromobenzene

Concen: 21.619 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:156 Resp: 142028

Ion Ratio Lower Upper

156 100

77 113.6 53.1 159.4

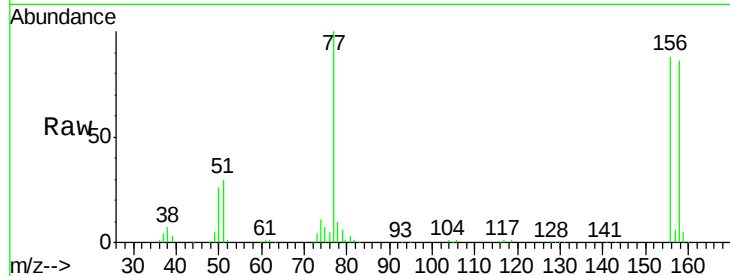
158 97.8 49.4 148.0

Manual Integrations

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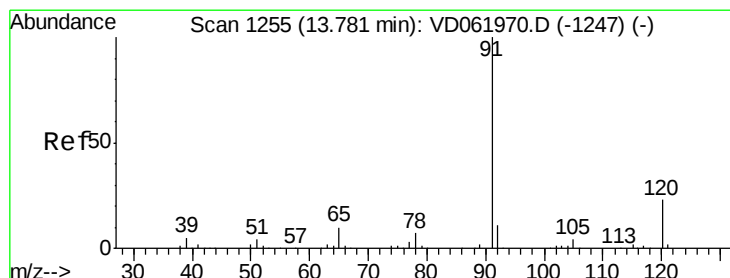
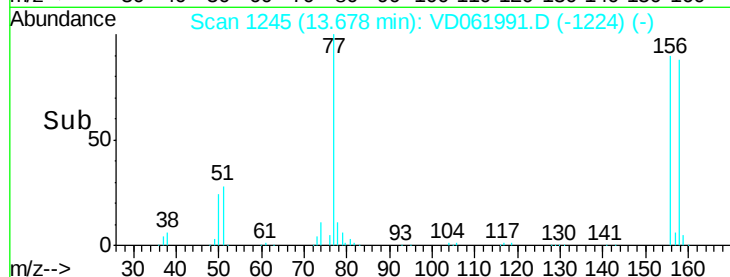
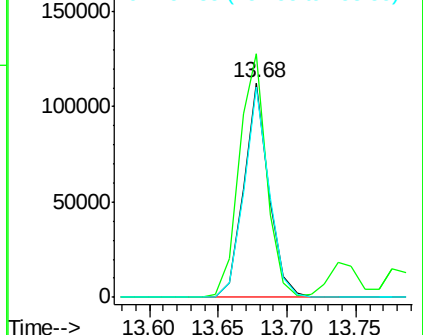
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.993 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061991.D

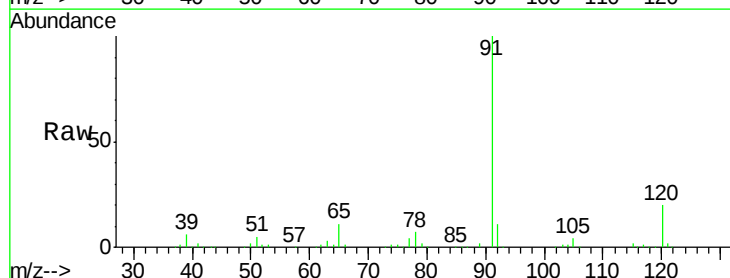
Acq: 24 Apr 2019 12:04

Tgt Ion: 91 Resp: 576556

Ion Ratio Lower Upper

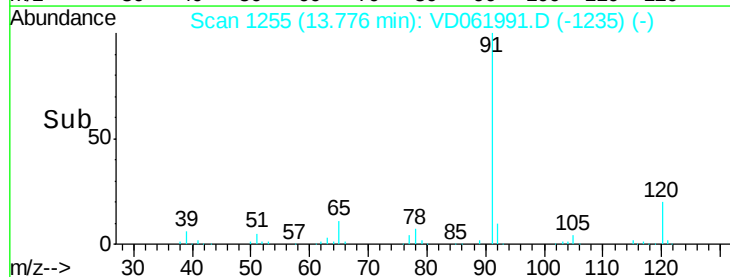
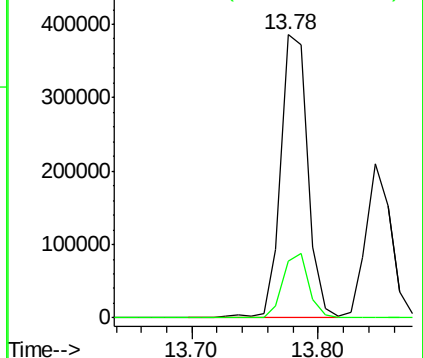
91 100

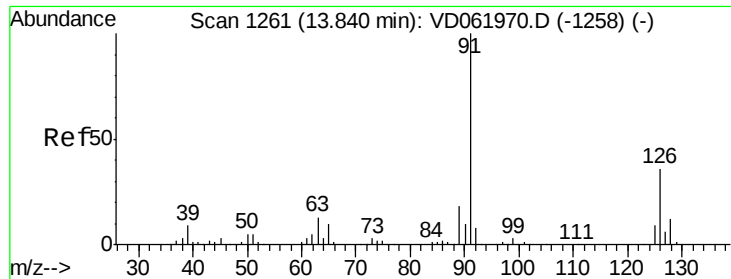
120 20.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.387 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 91 Resp: 291980

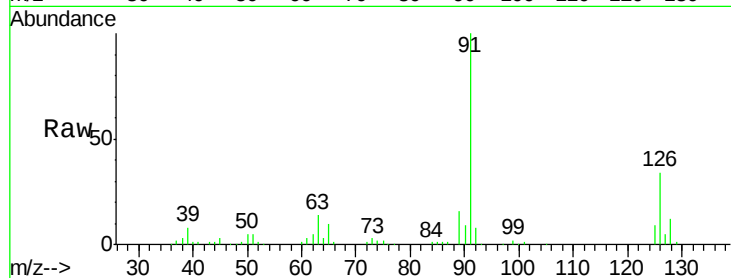
Ion Ratio Lower Upper

91 100

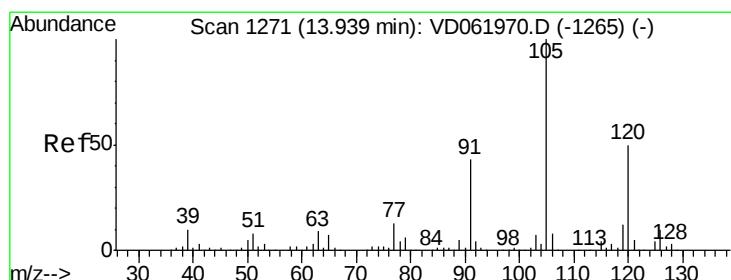
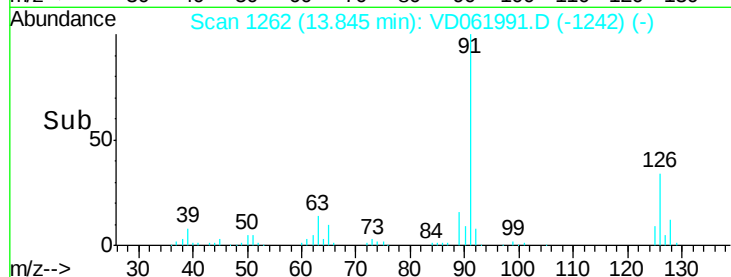
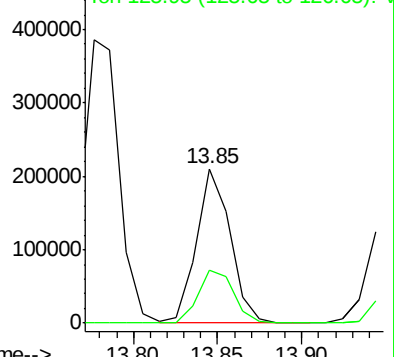
126 34.5 18.6 55.8

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Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.349 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061991.D

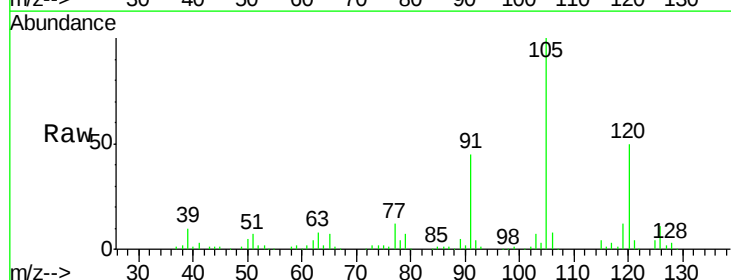
Acq: 24 Apr 2019 12:04

Tgt Ion: 105 Resp: 371579

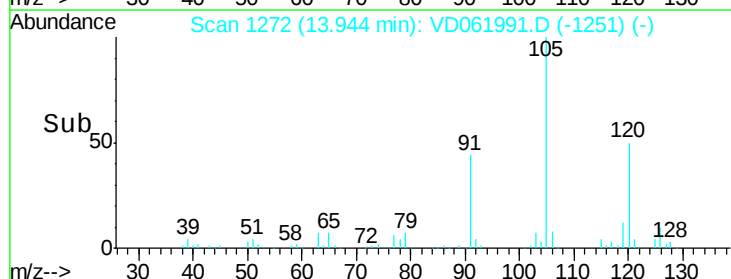
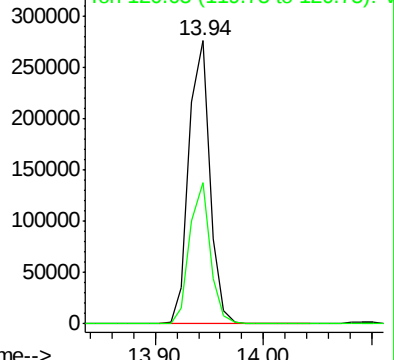
Ion Ratio Lower Upper

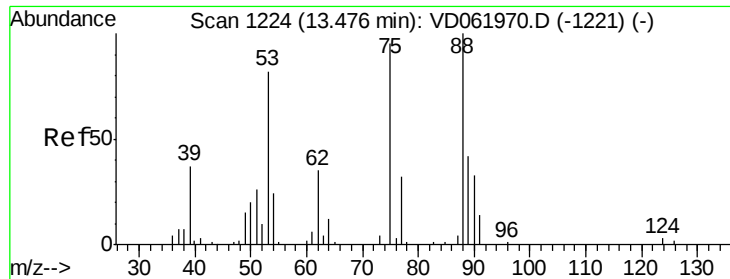
105 100

120 49.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.610 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

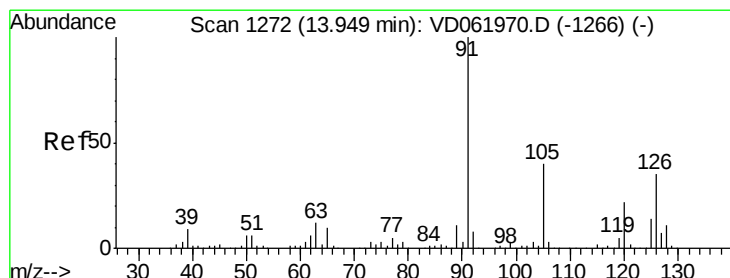
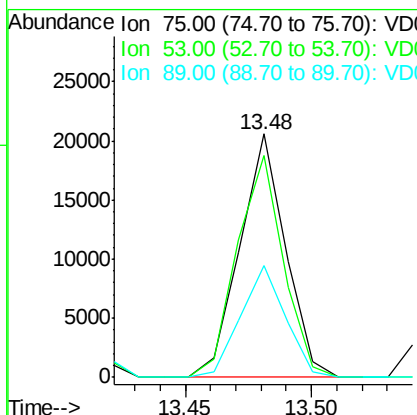
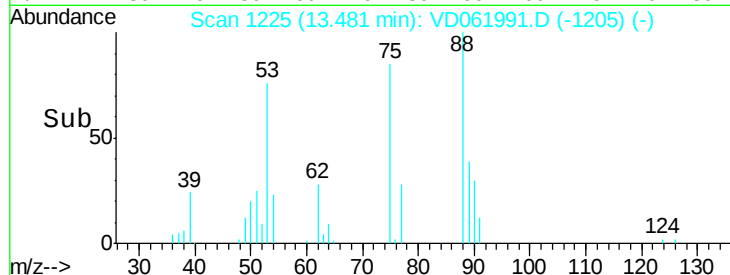
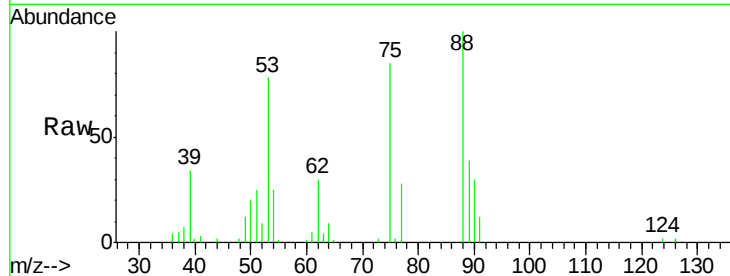
ClientSampleId :

VD0424SBS01

Tot Ion:	75	Resp:	25907
Ion Ratio	Lower	Upper	
75	100		
53	91.3	65.8	98.8
89	45.9	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.591 ug/l

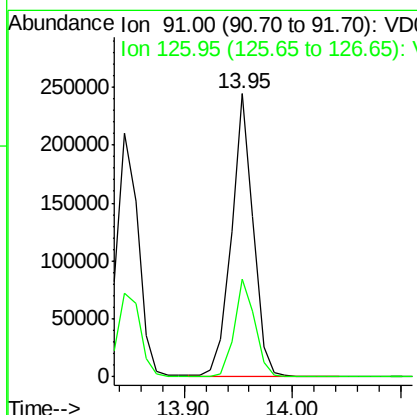
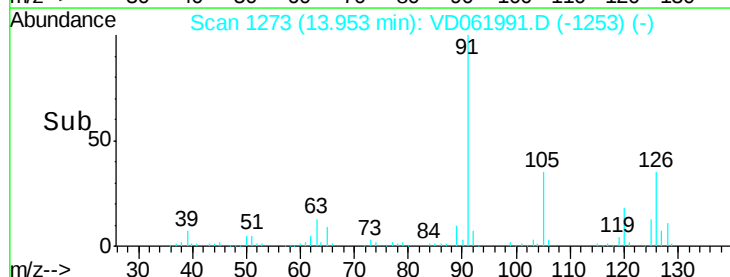
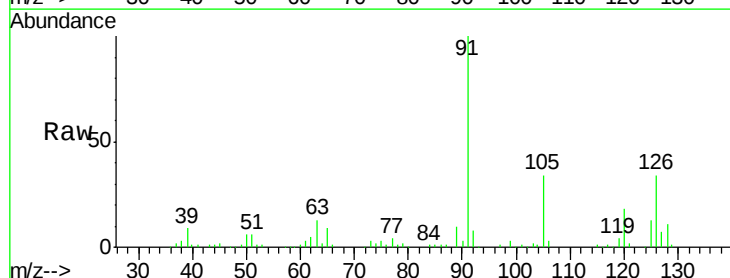
RT: 13.95 min Scan# 1273

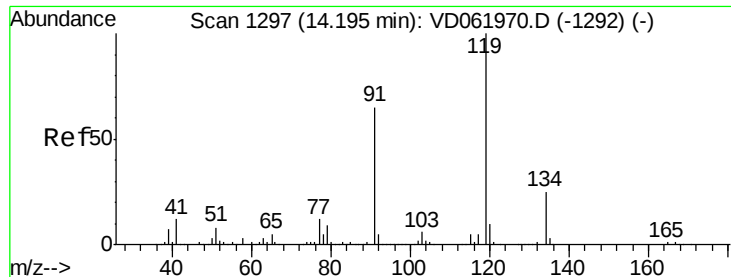
Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	91	Resp:	342609
Ion Ratio	Lower	Upper	
91	100		
126	34.4	19.1	57.5





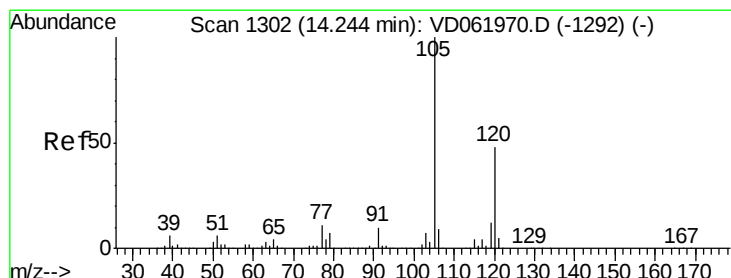
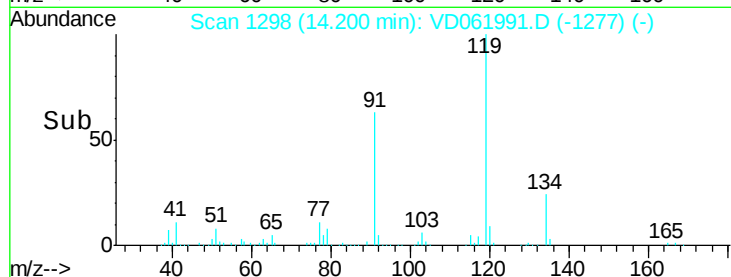
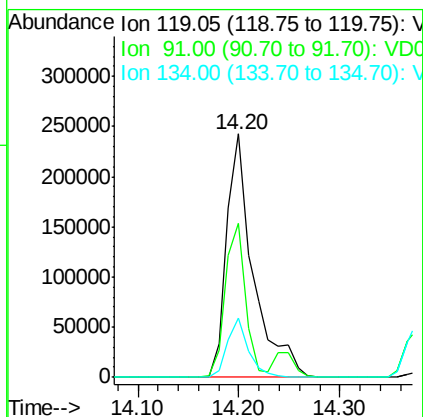
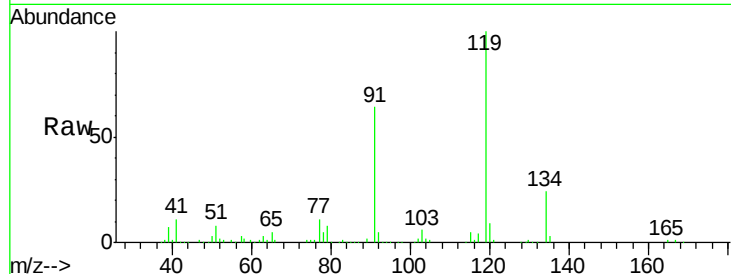
#83
tert-Butylbenzene
Concen: 21.136 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	447095		
91	63.5	34.2	102.6	
134	24.4	12.0	36.0	

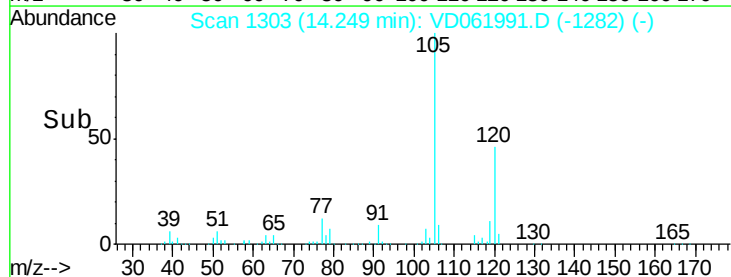
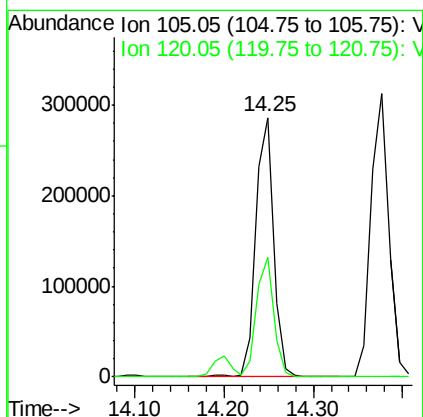
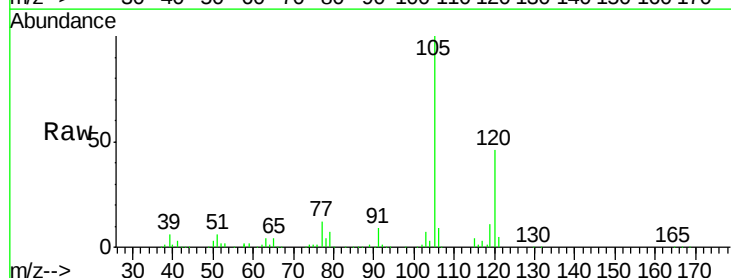
Manual Integrations
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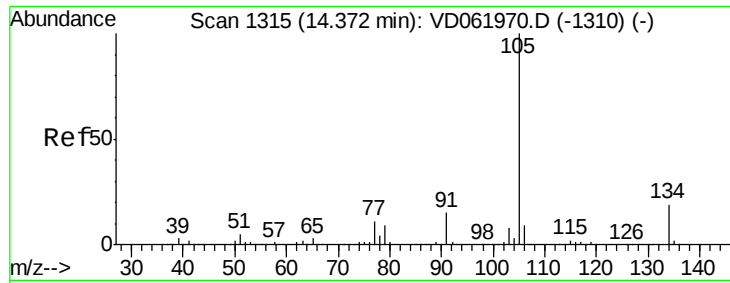
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#84
1,2,4-Trimethylbenzene
Concen: 22.424 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	390980		
120	45.8	23.1	69.2	





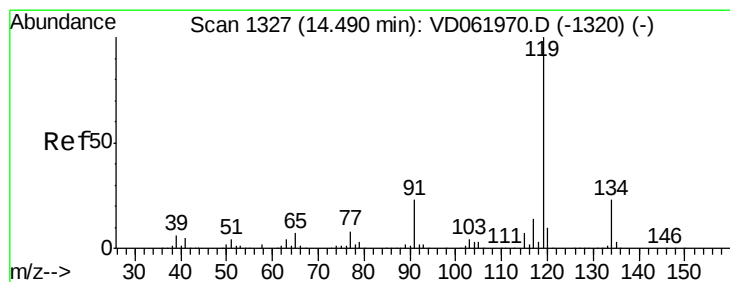
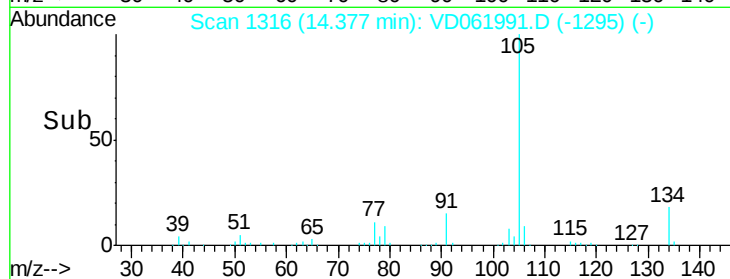
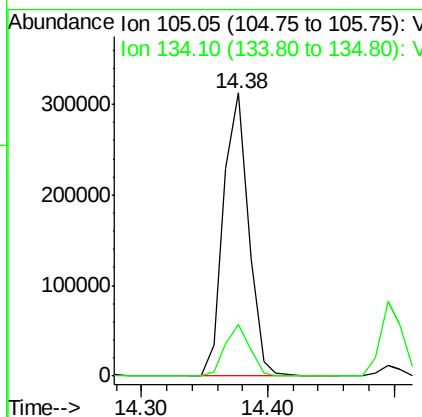
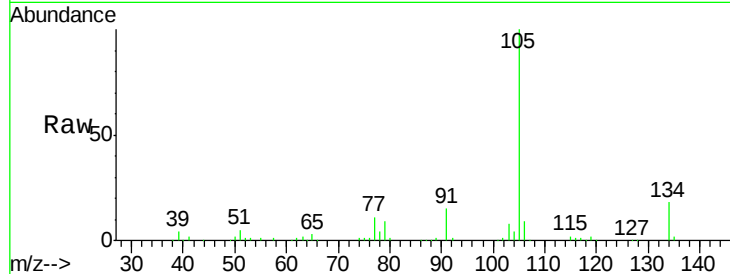
#85
 sec-Butylbenzene
 Concen: 18.859 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion:105 Resp: 431058
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.9 26.7

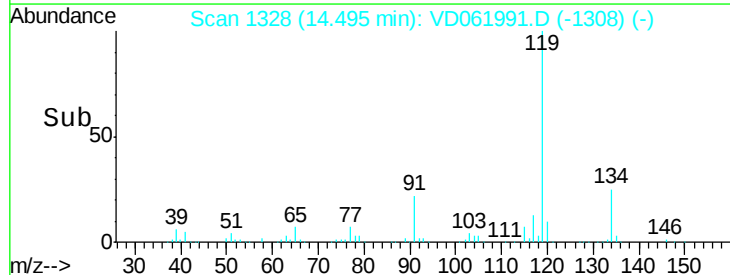
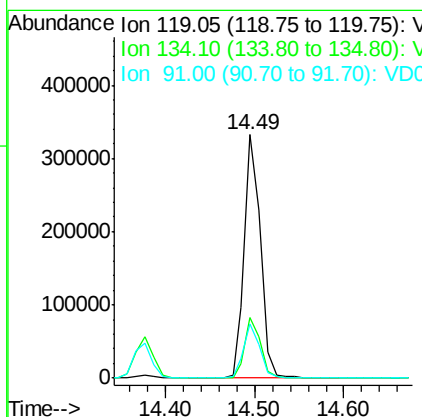
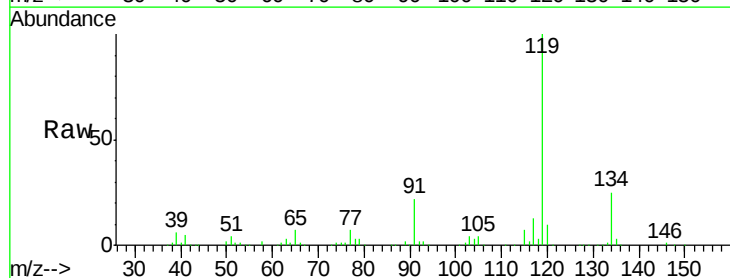
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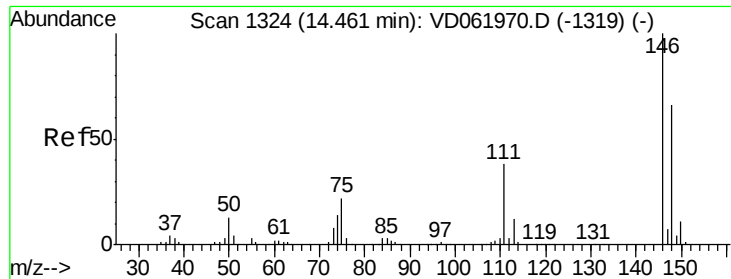
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#86
 p-Isopropyltoluene
 Concen: 20.538 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:119 Resp: 420129
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 22.3 10.7 32.1





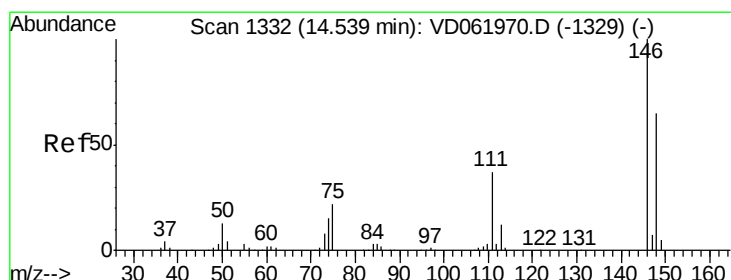
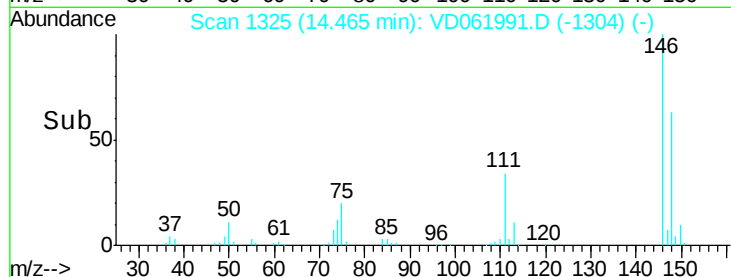
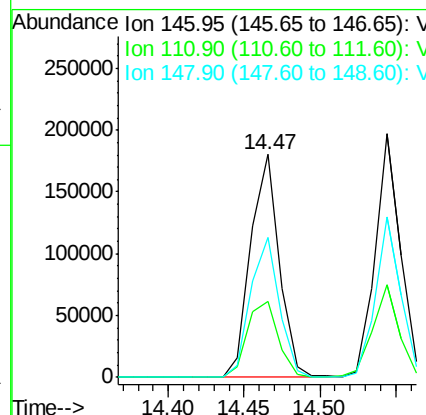
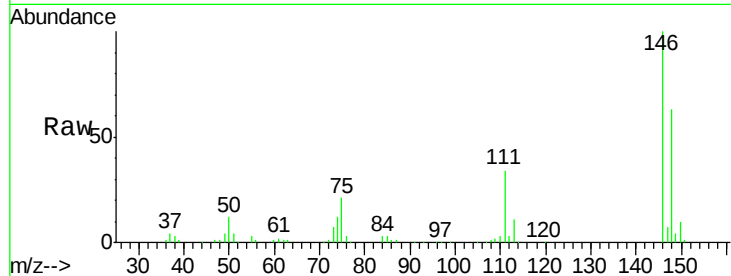
#87
 1,3-Dichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.3	20.0	60.0
148	62.8	31.8	95.4

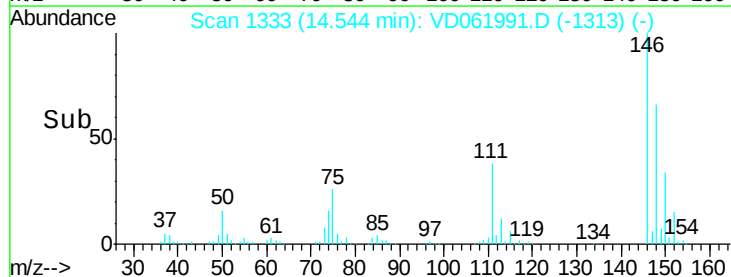
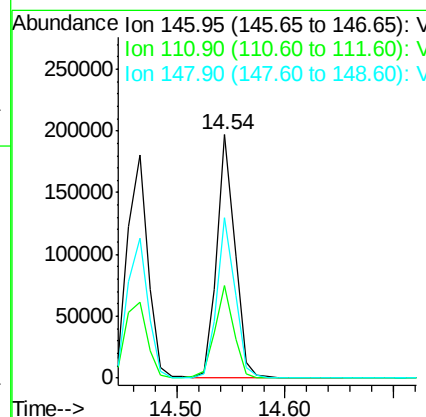
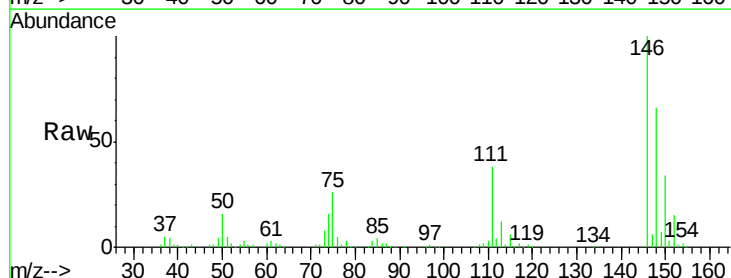
Manual Integrations
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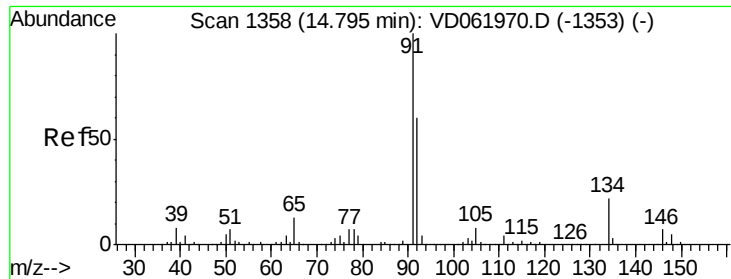
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#88
 1,4-Dichlorobenzene
 Concen: 21.457 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.2	60.5
148	65.8	32.0	96.2





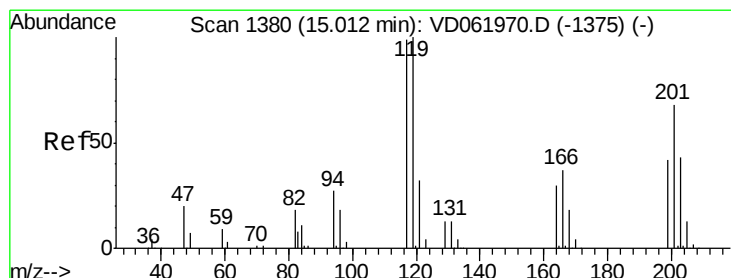
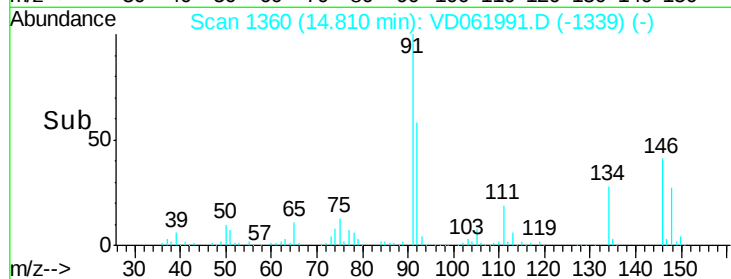
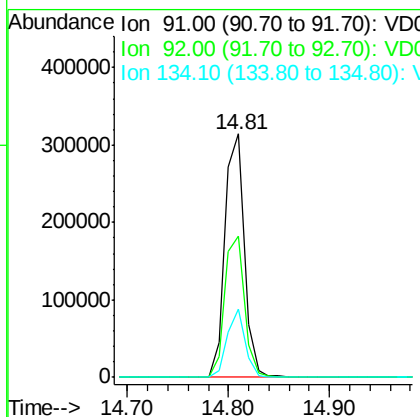
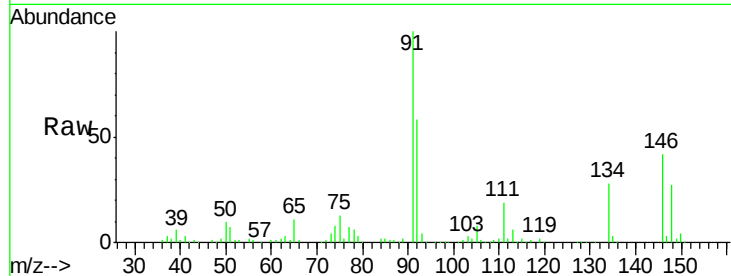
#89
n-Butylbenzene
Concen: 23.063 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	423554		
92	57.9	30.3	91.0	
134	27.8	14.5	43.6	

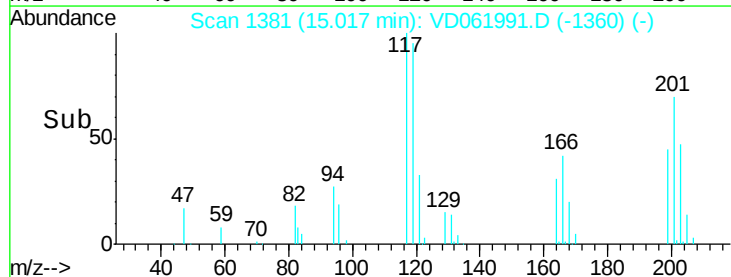
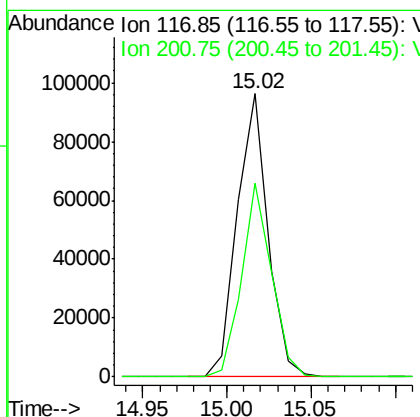
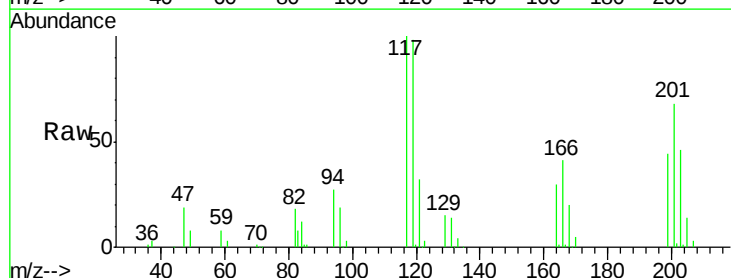
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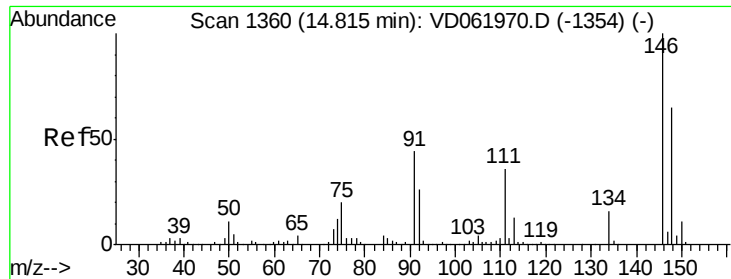
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#90
Hexachloroethane
Concen: 22.028 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	121847		
201	68.4	30.2	90.6	





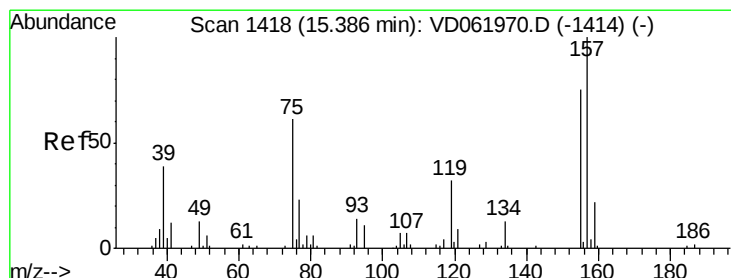
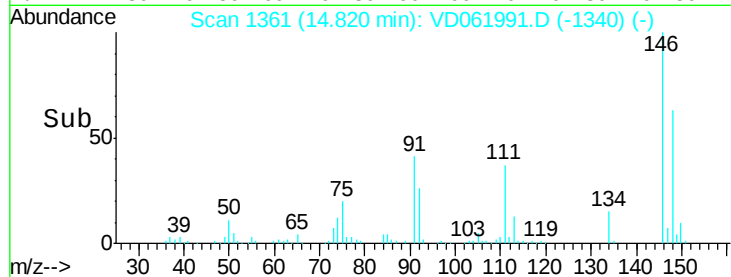
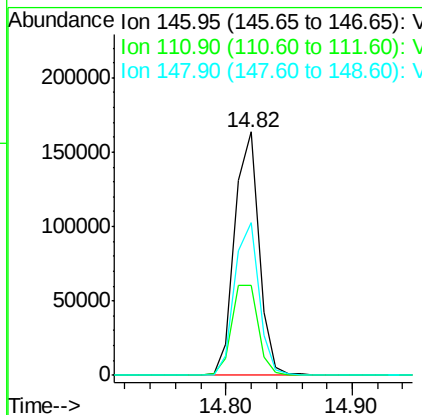
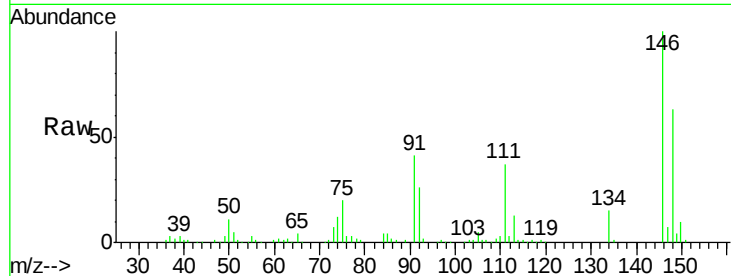
#91
 1,2-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.0	59.9
148	62.9	32.3	96.8

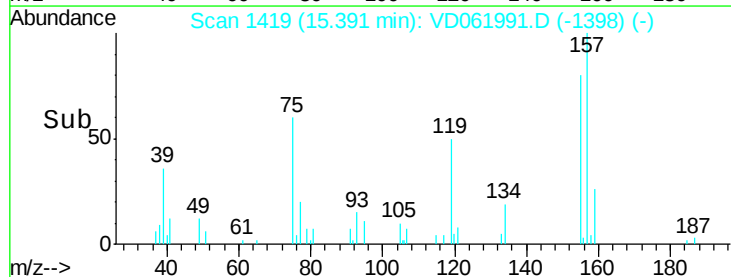
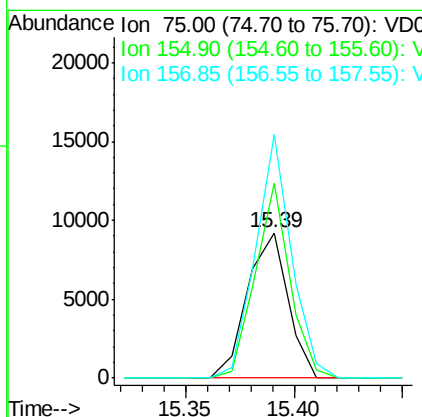
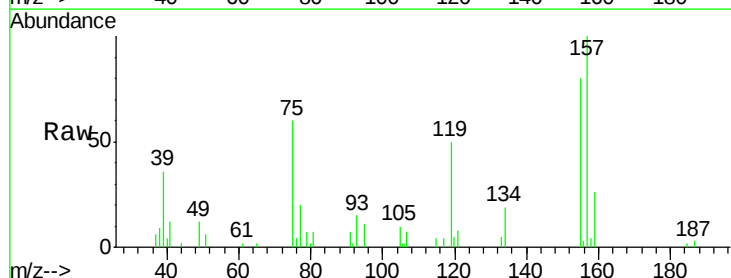
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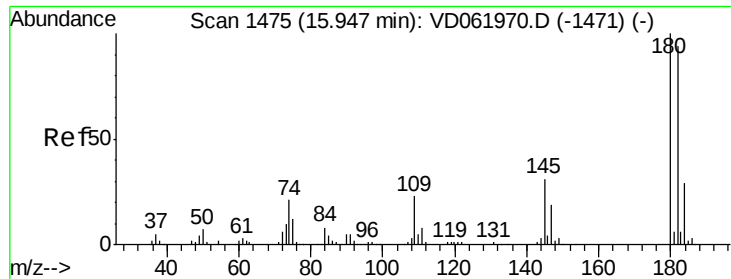
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.718 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	134.4	55.3	165.8
157	167.7	67.8	203.2





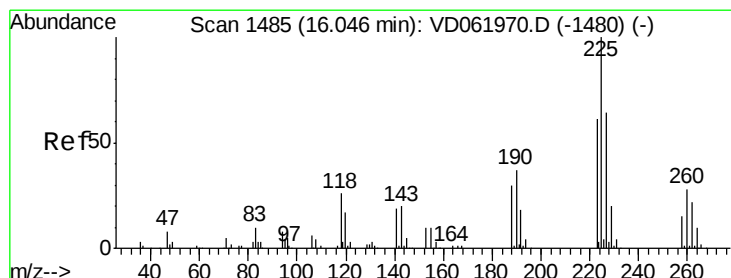
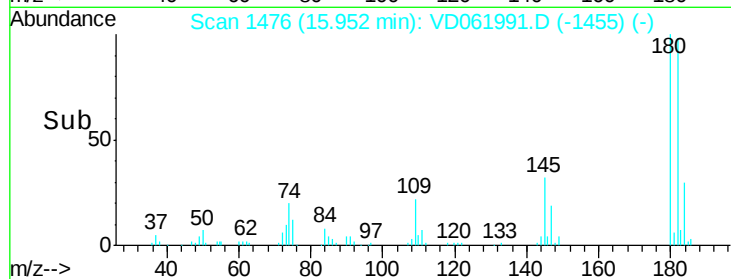
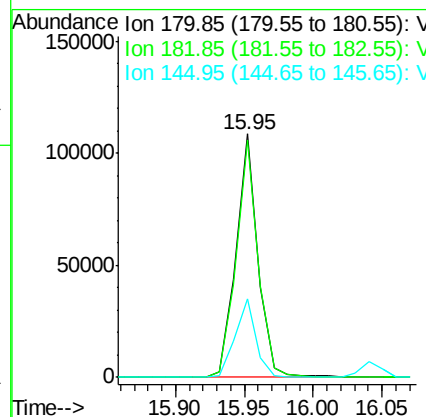
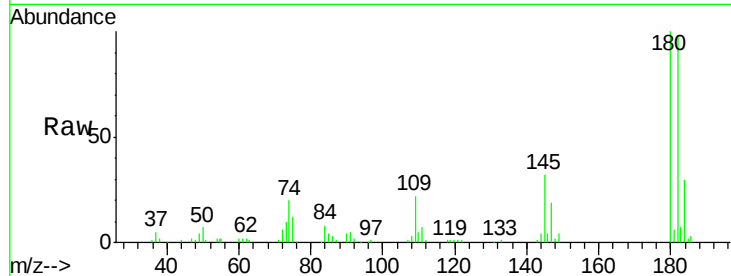
#93
 1,2,4-Trichlorobenzene
 Concen: 23.371 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119669		
182	97.5	49.3	147.8	
145	32.4	16.2	48.6	

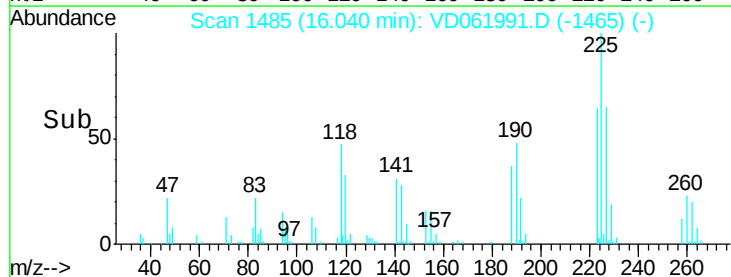
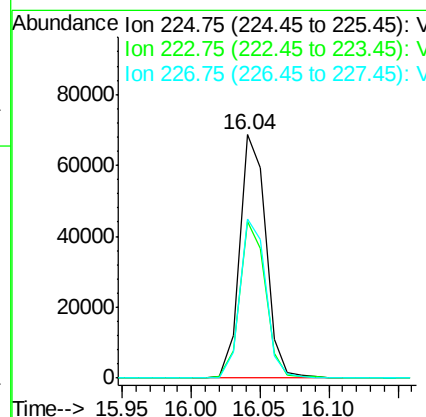
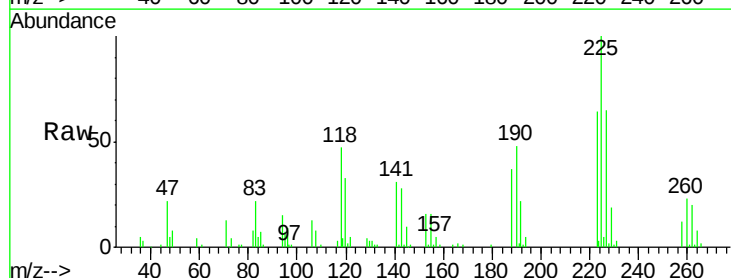
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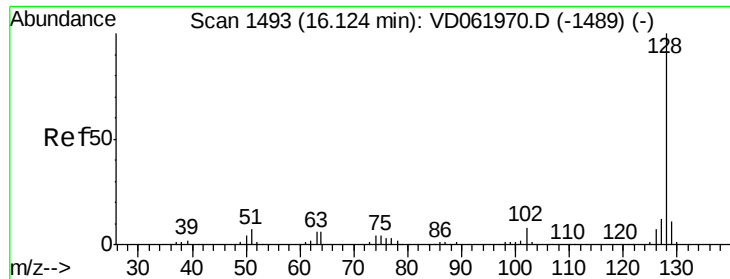
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#94
 Hexachlorobutadiene
 Concen: 24.089 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91279		
223	64.1	30.6	92.0	
227	65.2	32.0	96.2	





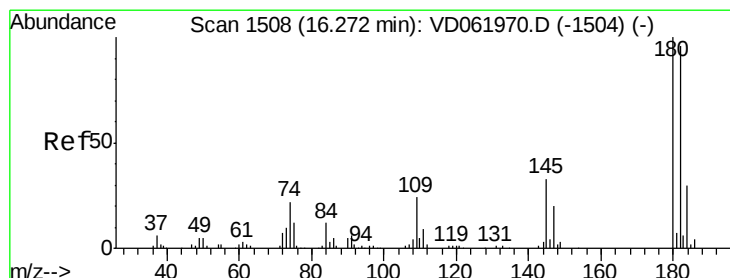
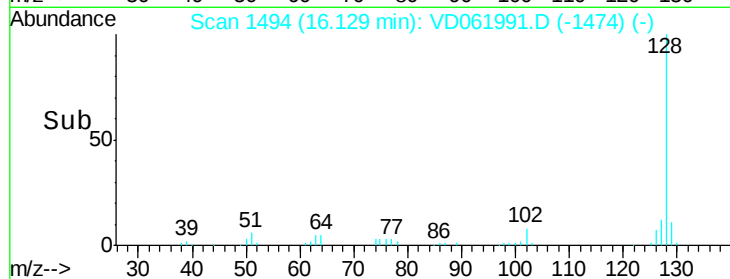
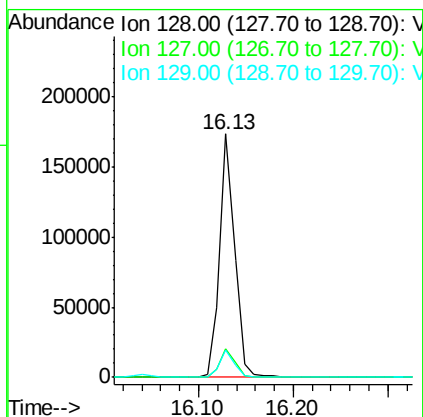
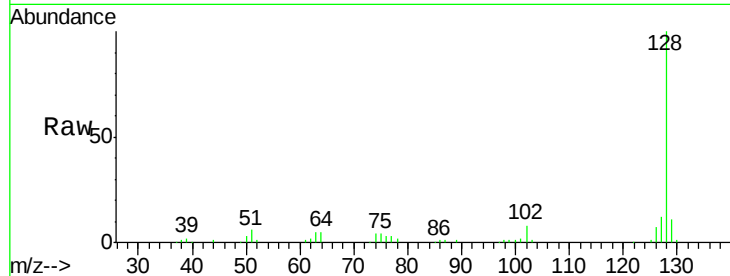
#95
Naphthalene
Concen: 23.232 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.8	14.8
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 26.277 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	31.4	17.0	51.0

