

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD061992.D
 Acq On : 24 Apr 2019 12:32
 Operator : VA/AP
 Sample : VD0424SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 09:22:27 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	618587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	971186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	713606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	393279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	252731	52.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	6.94	113	367349	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.42	98	827644	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	13.56	95	342220	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	90626	16.407	ug/l	97
3) Chloromethane	1.76	50	74641	15.899	ug/l	91
4) Vinyl Chloride	1.86	62	66385	15.602	ug/l	99
5) Bromomethane	2.15	94	19438	14.888	ug/l	93
6) Chloroethane	2.26	64	20996	13.651	ug/l	99
7) Trichlorofluoromethane	2.53	101	117756	18.303	ug/l	97
8) Diethyl Ether	2.88	74	34016	19.727	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.16	101	107399	18.122	ug/l	97
10) Methyl Iodide	3.31	142	124519	17.722	ug/l	100
11) Tert butyl alcohol	4.08	59	28296	103.443	ug/l	99
12) 1,1-Dichloroethene	3.14	96	87120	17.278	ug/l	97
13) Acrolein	3.04	56	28946	101.988	ug/l	92
14) Allyl chloride	3.63	41	130665	18.978	ug/l	97
15) Acrylonitrile	4.20	53	88447	104.420	ug/l	98
16) Acetone	3.22	43	108959	94.256	ug/l	92
17) Carbon Disulfide	3.38	76	252957	17.361	ug/l	98
18) Methyl Acetate	3.65	43	47466	21.404	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	191353	19.127	ug/l	97
20) Methylene Chloride	3.82	84	128433	20.970	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	109689	18.963	ug/l	96
22) Diisopropyl ether	5.13	45	311418	19.373	ug/l	98
23) Vinyl Acetate	5.07	43	866665	103.530	ug/l	97
24) 1,1-Dichloroethane	5.00	63	186066	19.151	ug/l	99
25) 2-Butanone	6.08	43	138422	98.764	ug/l	99
26) 2,2-Dichloropropane	6.03	77	154270	18.201	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	117457	17.850	ug/l	98
28) Bromochloromethane	6.44	49	78890	21.221	ug/l	88
29) Tetrahydrofuran	6.46	42	67244	97.374	ug/l	98
30) Chloroform	6.68	83	221811	20.100	ug/l	98
31) Cyclohexane	6.96	56	131329	18.211	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	183342	19.095	ug/l	98
36) 1,1-Dichloropropene	7.15	75	149310	19.733	ug/l	99
37) Ethyl Acetate	6.19	43	69676	21.609	ug/l #	97
38) Carbon Tetrachloride	7.12	117	190894m	19.909	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	141550	18.961	ug/l	97
40) Benzene	7.47	78	360198	19.229	ug/l	95
41) Methacrylonitrile	6.45	41	78274	20.806	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	126479	19.886	ug/l	99
43) Isopropyl Acetate	9.25	43	88799	18.848	ug/l	97
44) Trichloroethene	8.55	130	137775	18.971	ug/l	100
45) 1,2-Dichloropropane	8.95	63	90502	19.044	ug/l	96
46) Dibromomethane	9.07	93	68501	20.033	ug/l	91
47) Bromodichloromethane	9.39	83	150990	18.688	ug/l	94
48) Methyl methacrylate	9.13	41	53739	19.992	ug/l	96
49) 1,4-Dioxane	9.09	88	12810	442.023	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	292266	101.438	ug/l	97
52) Toluene	10.52	92	223325	18.698	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	137823	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	163566	19.830	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	78807	19.653	ug/l	98
56) Ethyl methacrylate	11.05	69	92032	20.723	ug/l	96
57) 1,3-Dichloropropane	11.41	76	113081	18.259	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	240766	116.606	ug/l	96
59) 2-Hexanone	11.54	43	223690	103.496	ug/l	96
60) Dibromochloromethane	11.69	129	127426	19.206	ug/l	96
61) 1,2-Dibromoethane	11.81	107	94617	19.891	ug/l	94
64) Tetrachloroethene	11.27	164	107527	21.123	ug/l	96
65) Chlorobenzene	12.41	112	260967	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	127624	22.312	ug/l	97
67) Ethyl Benzene	12.53	91	492856	22.393	ug/l	99
68) m/p-Xylenes	12.67	106	342446	43.049	ug/l	100
69) o-Xylene	13.06	106	165424	22.728	ug/l	97
70) Styrene	13.08	104	282510	22.479	ug/l	98
71) Bromoform	13.24	173	74110	22.726	ug/l	99
73) Isopropylbenzene	13.41	105	433687	16.531	ug/l	98
74) N-amyl acetate	13.28	43	119852	17.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	87903	17.099	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	90321	18.086	ug/l	99
77) Bromobenzene	13.68	156	128974	17.138	ug/l	95
78) n-propylbenzene	13.78	91	520389	17.328	ug/l	99
79) 2-Chlorotoluene	13.85	91	308004	16.932	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	397570	19.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	24011	15.866	ug/l	89
82) 4-Chlorotoluene	13.95	91	368120	18.375	ug/l	98
83) tert-Butylbenzene	14.19	119	447352	18.461	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	389125	19.482	ug/l	97
85) sec-Butylbenzene	14.37	105	500161	19.102	ug/l	98
86) p-Isopropyltoluene	14.50	119	424138	18.099	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	234303	17.778	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	228579	18.546	ug/l	94
89) n-Butylbenzene	14.80	91	390287	18.551	ug/l	96
90) Hexachloroethane	15.01	117	109083	17.215	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	204356	18.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12969	18.811	ug/l	74

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ClientSampleId :
VD0424SBSD01

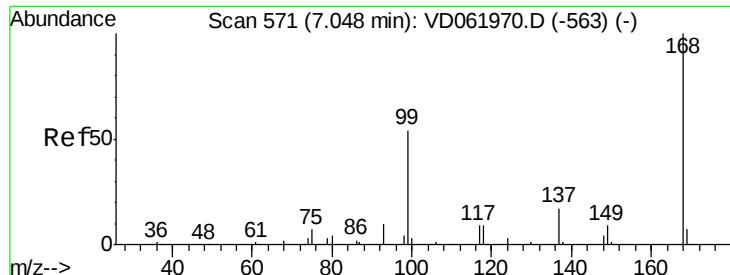
Manual Integrations
APPROVED

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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	113150	19.290	ug/l	92
94) Hexachlorobutadiene	16.04	225	84226	19.403	ug/l	98
95) Naphthalene	16.13	128	181780	19.194	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	71644	21.527	ug/l	94

(#) = 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: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:168 Resp: 618587

Ion Ratio Lower Upper

168 100

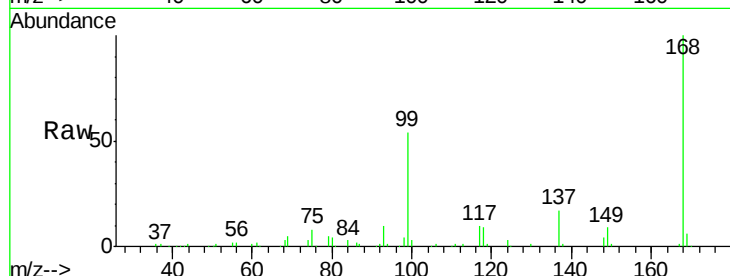
99 54.0 46.5 69.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

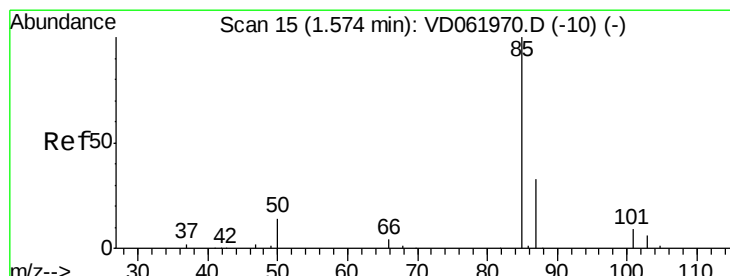
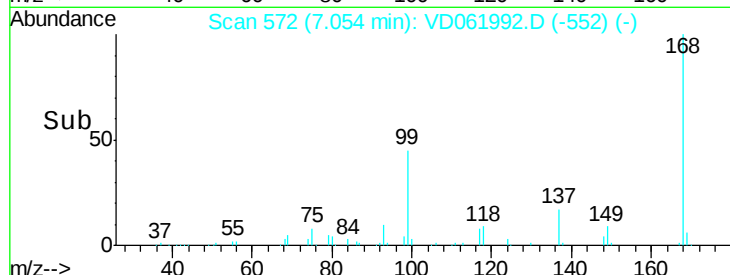
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 16.407 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061992.D

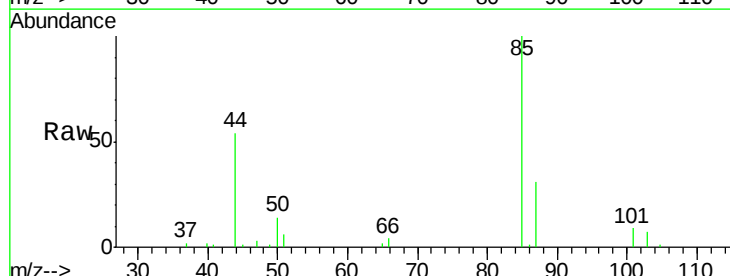
Acq: 24 Apr 2019 12:32

Tgt Ion: 85 Resp: 90626

Ion Ratio Lower Upper

85 100

87 30.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

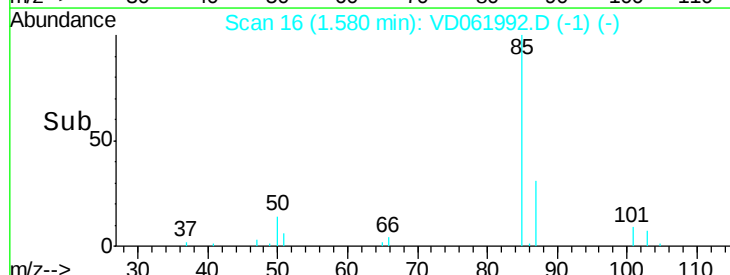
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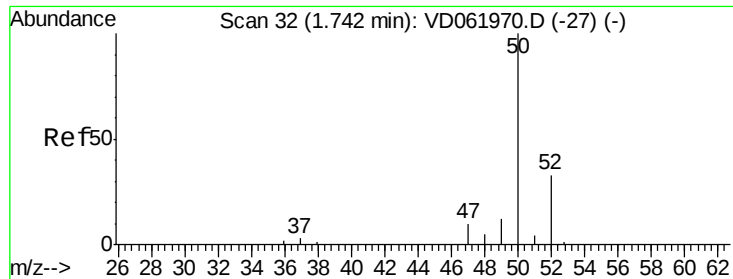
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0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 15.899 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 50 Resp: 74641

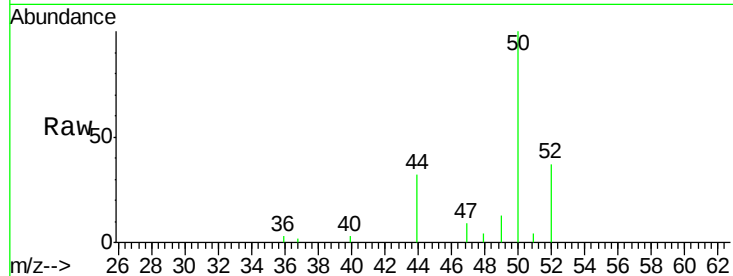
Ion Ratio Lower Upper

50 100

52 36.6 25.2 37.8

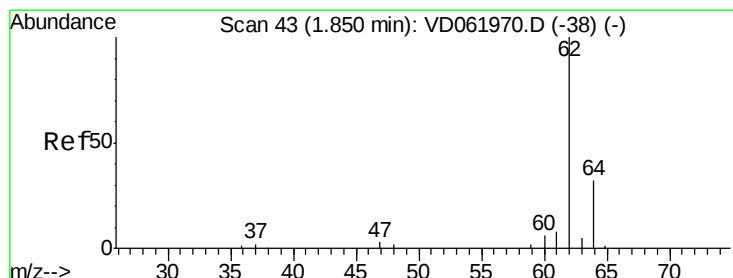
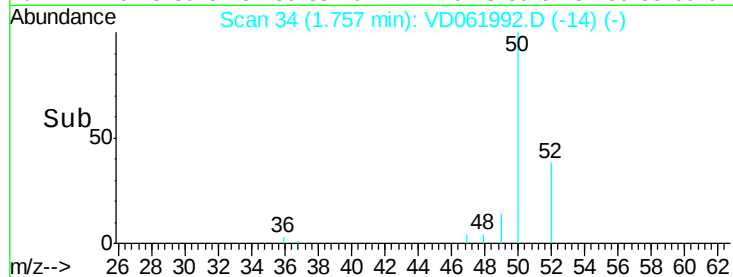
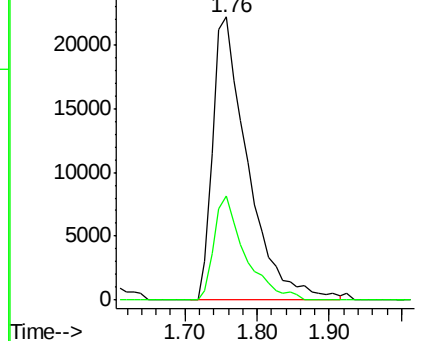
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 15.602 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061992.D

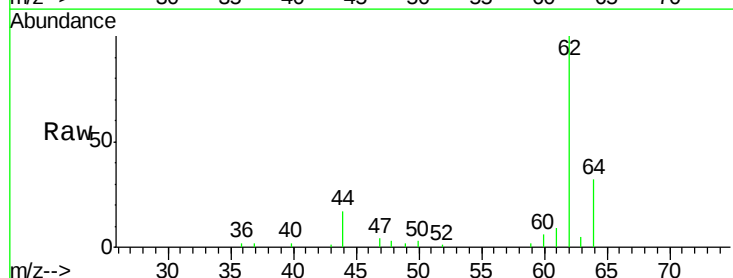
Acq: 24 Apr 2019 12:32

Tgt Ion: 62 Resp: 66385

Ion Ratio Lower Upper

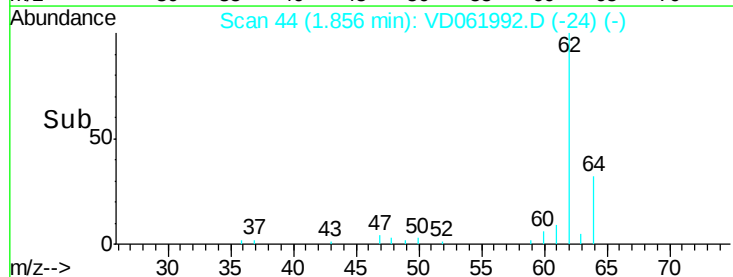
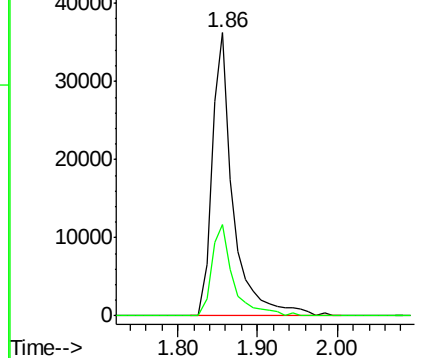
62 100

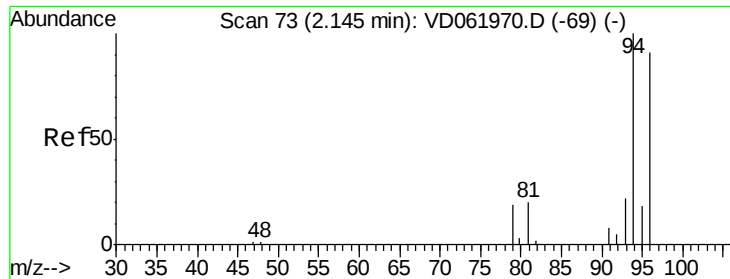
64 32.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.888 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

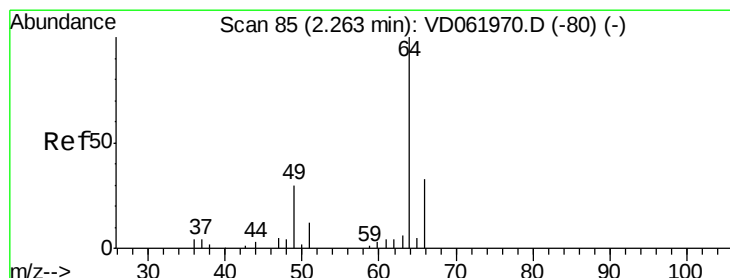
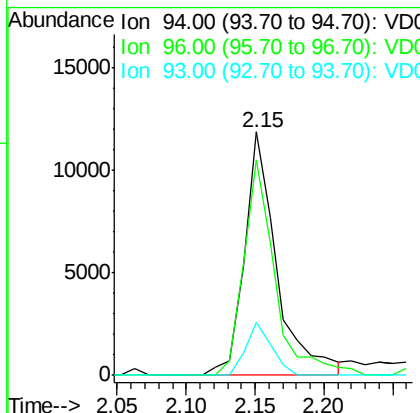
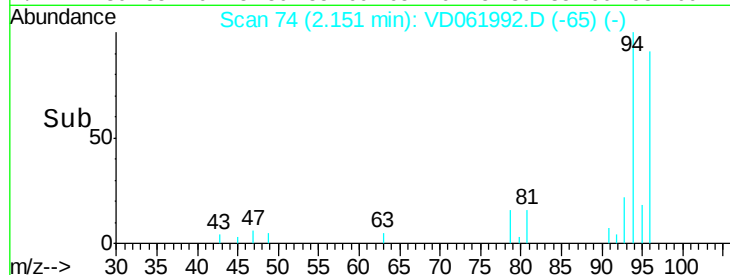
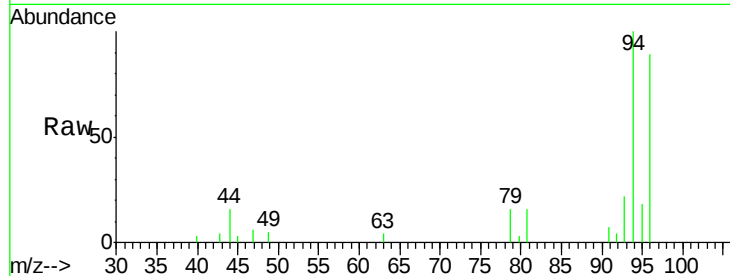
ClientSampleId :

VD0424SBS01

Tot Ion:	94	Resp:	19438
Ion	Ratio	Lower	Upper
94	100		
96	88.6	76.6	115.0
93	21.7	18.5	27.7

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#6

Chloroethane

Concen: 13.651 ug/l

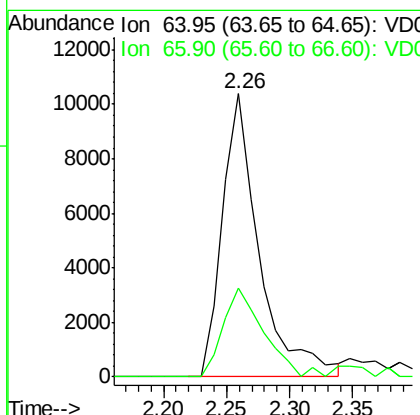
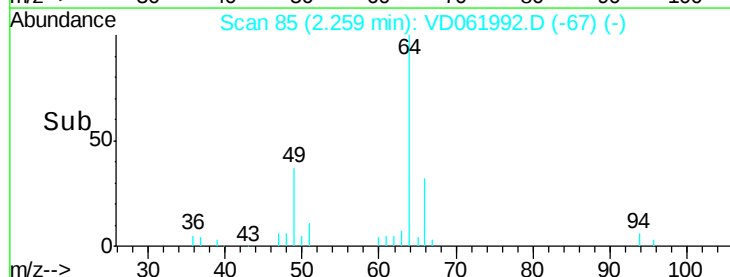
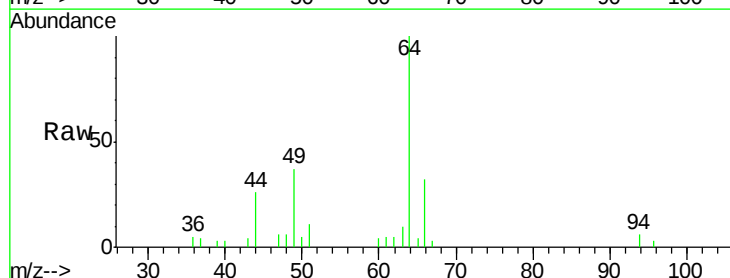
RT: 2.26 min Scan# 85

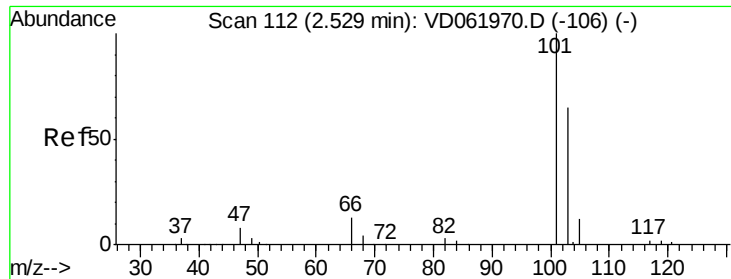
Delta R.T. -0.02 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	64	Resp:	20996
Ion	Ratio	Lower	Upper
64	100		
66	31.6	25.6	38.4





#7

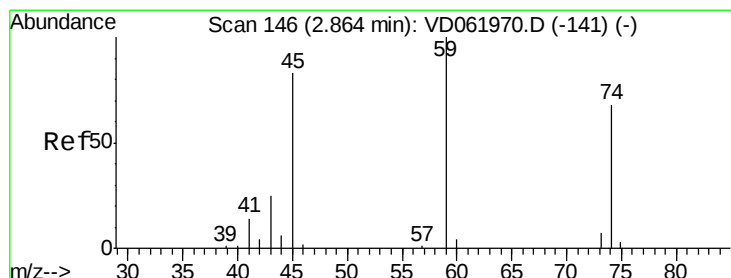
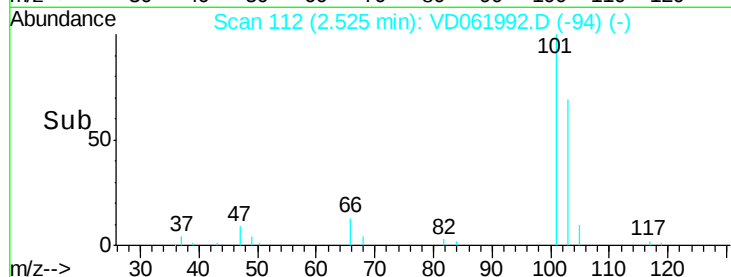
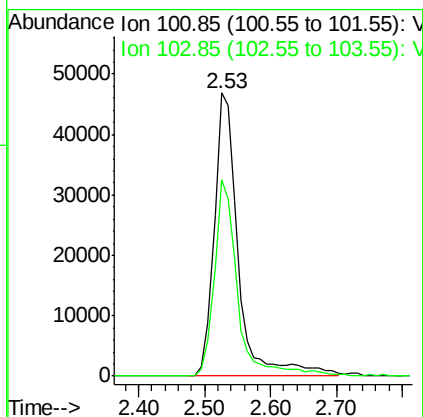
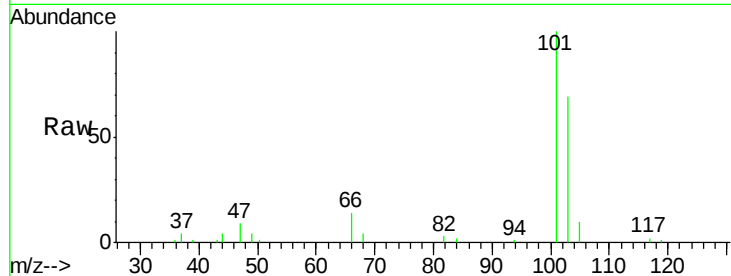
Trichlorofluoromethane
 Concen: 18.303 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
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 VD0424SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117756		
103	69.3	53.6		80.4	

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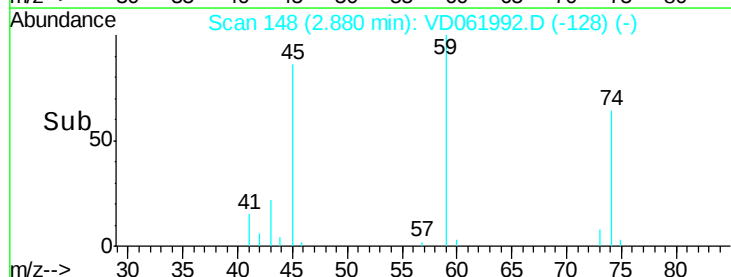
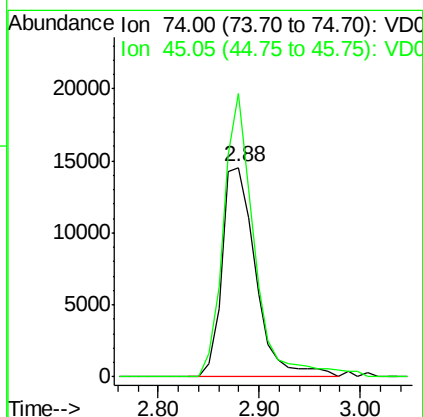
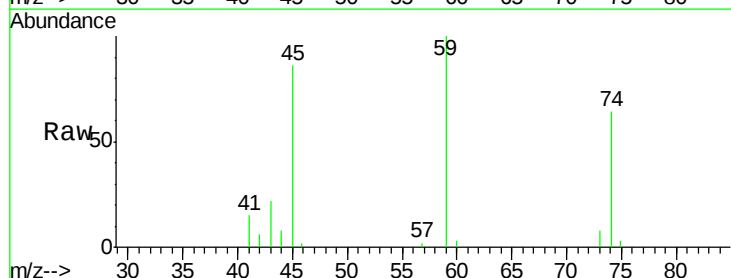
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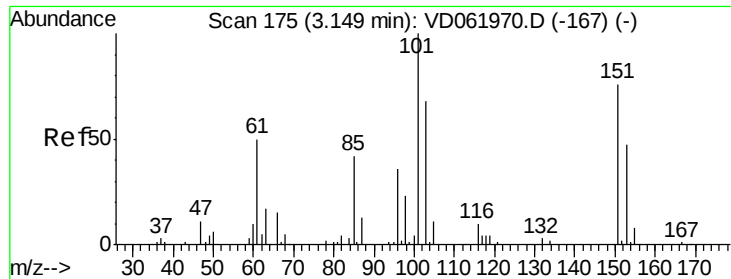


#8

Diethyl Ether
 Concen: 19.727 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34016		
45	135.2	56.9		170.7	





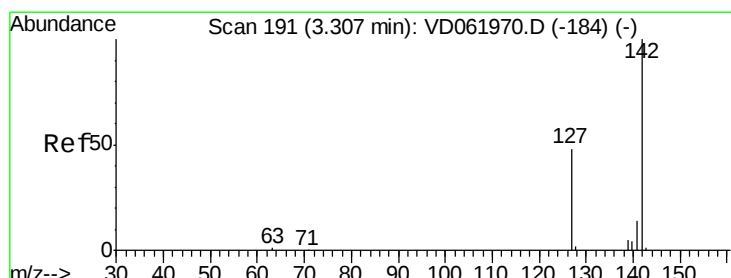
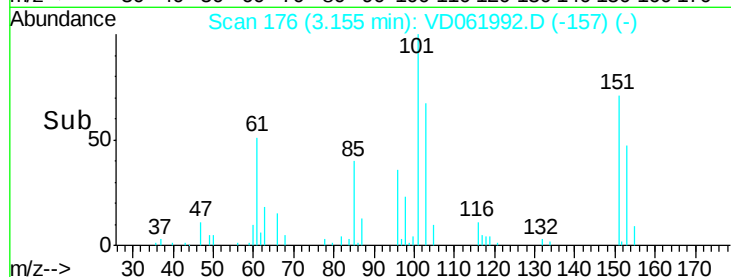
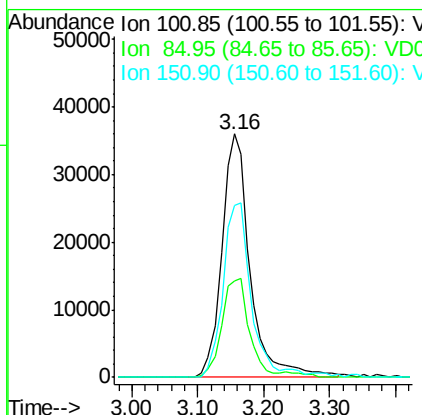
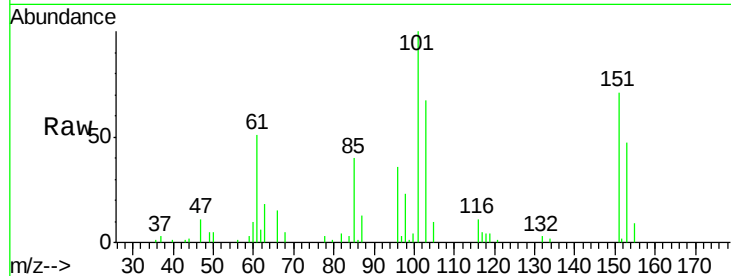
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.122 ug/l
 RT: 3.16 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107399		
85	39.6		32.4	48.6
151	70.7		59.4	89.0

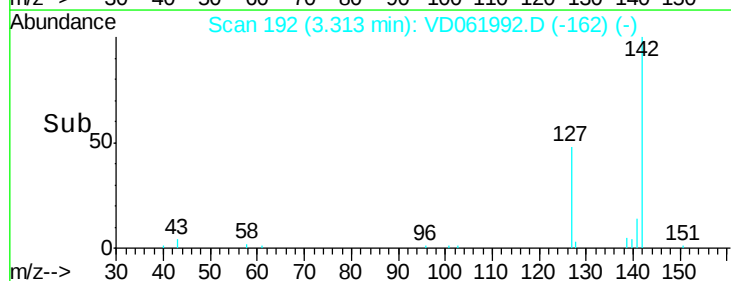
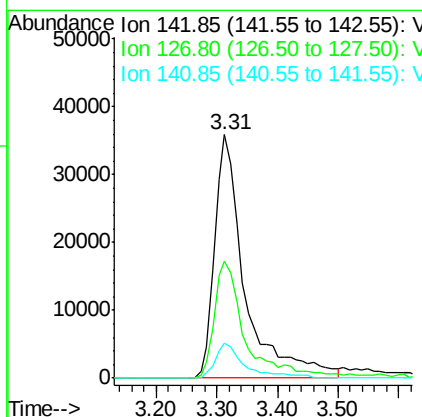
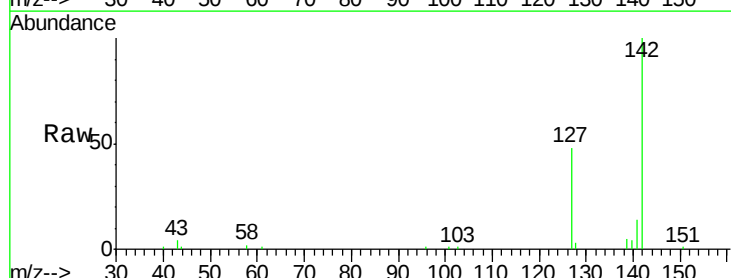
Manual Integrations
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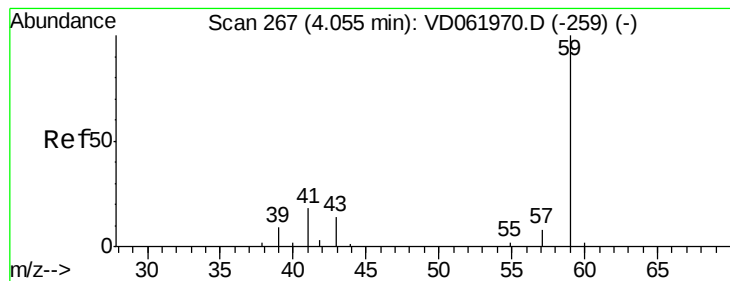
MMDadoda
 4/26/2019 9:20:38 AM



#10
 Methyl Iodide
 Concen: 17.722 ug/l
 RT: 3.31 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124519		
127	48.2		38.8	58.2
141	14.4		11.4	17.0





#11

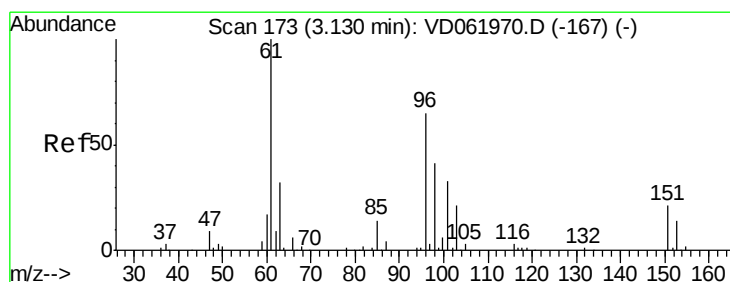
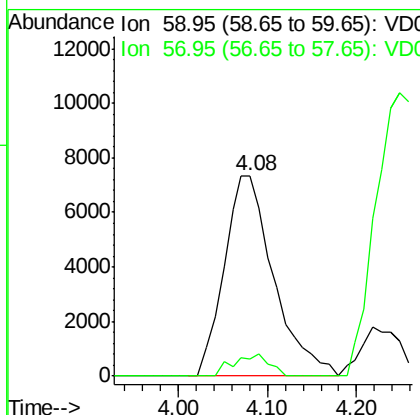
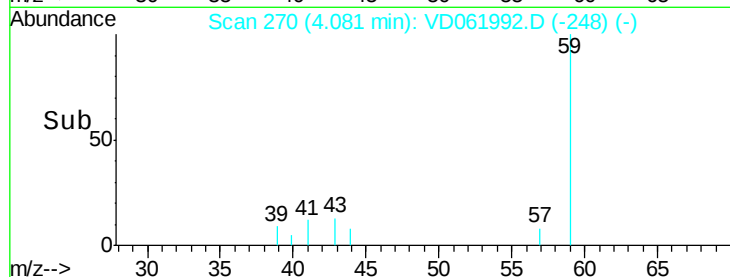
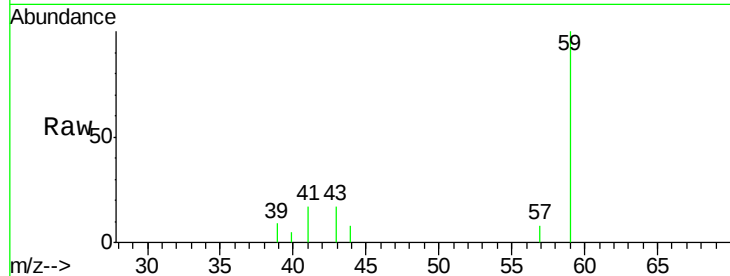
Tert butyl alcohol
Concen: 103.443 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28296		
57	8.3		6.9	10.3

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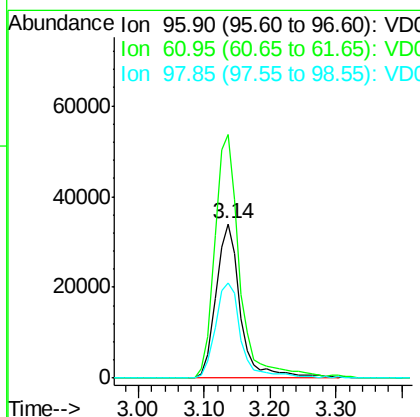
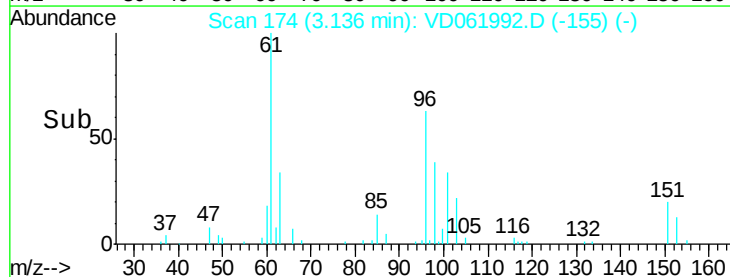
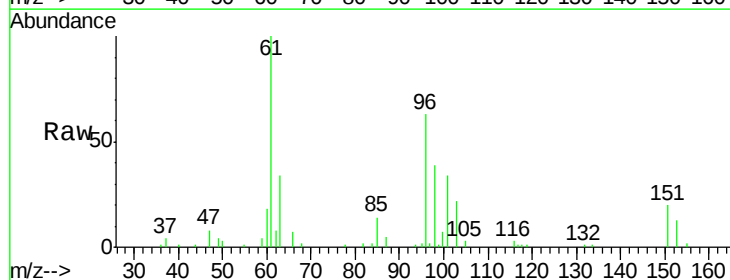
MMDadoda
4/26/2019 9:20:38 AM

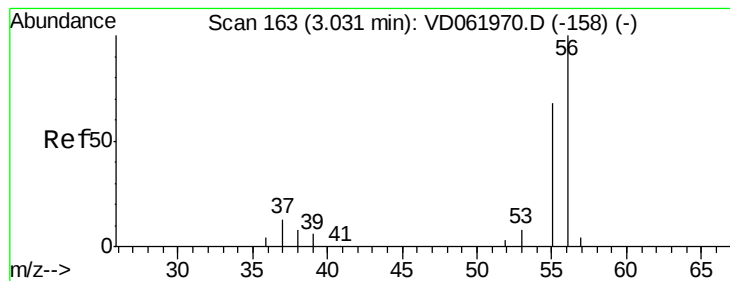


#12

1,1-Dichloroethene
Concen: 17.278 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	87120		
61	157.8		129.8	194.8
98	61.9		51.2	76.8





#13

Acrolein

Concen: 101.988 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

Tot Ion: 56 Resp: 28946

Ion Ratio Lower Upper

56 100

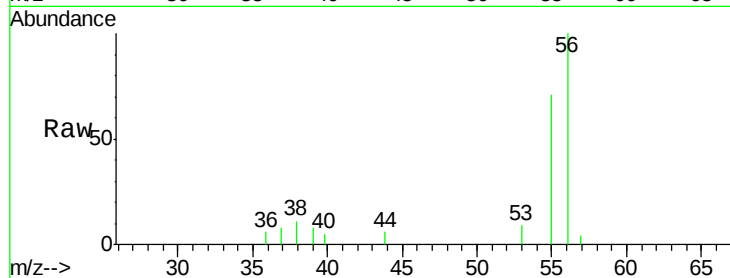
55 70.7 51.4 77.2

Manual Integrations

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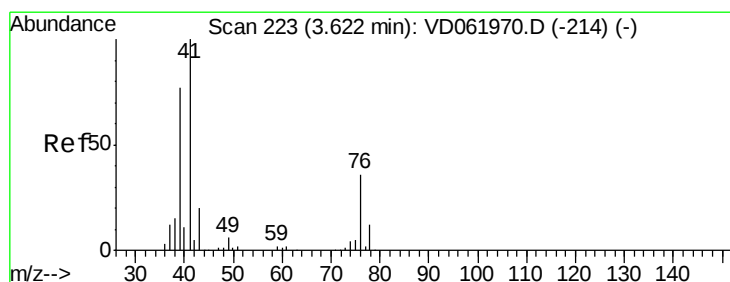
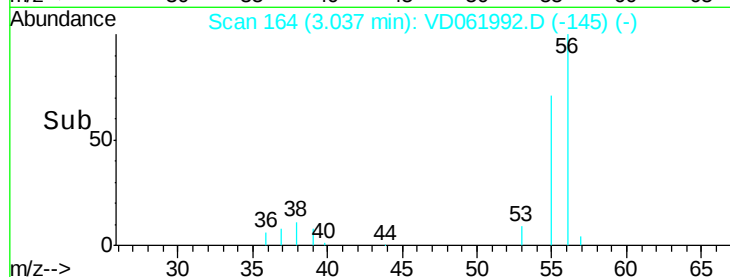
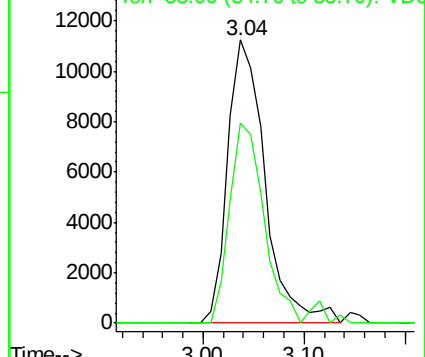
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.978 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

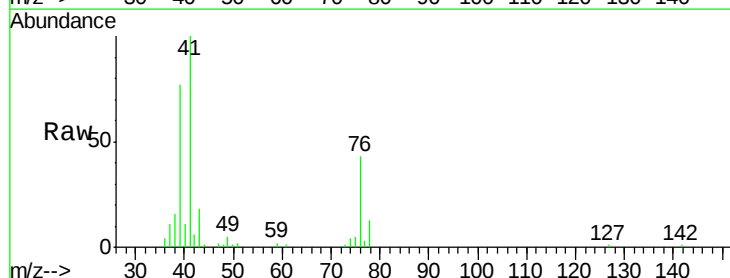
Tgt Ion: 41 Resp: 130665

Ion Ratio Lower Upper

41 100

39 77.4 60.5 90.7

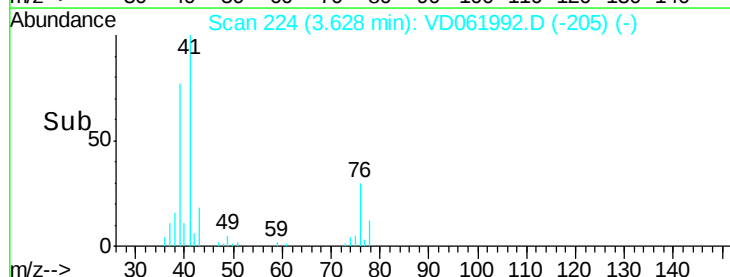
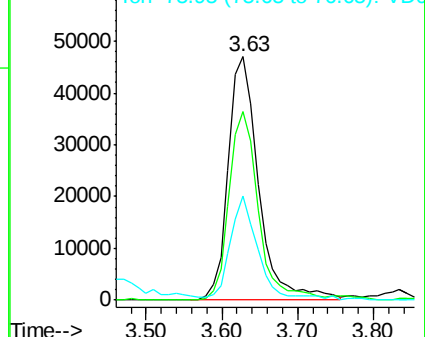
76 42.9 31.8 47.8

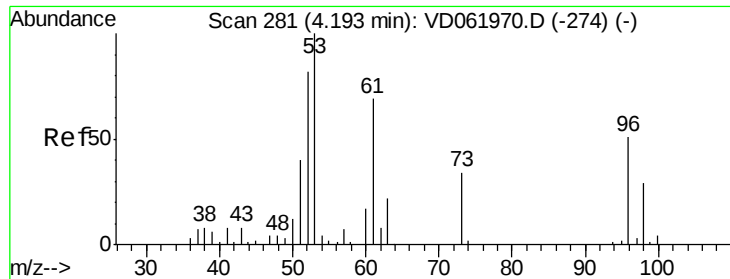


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.420 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

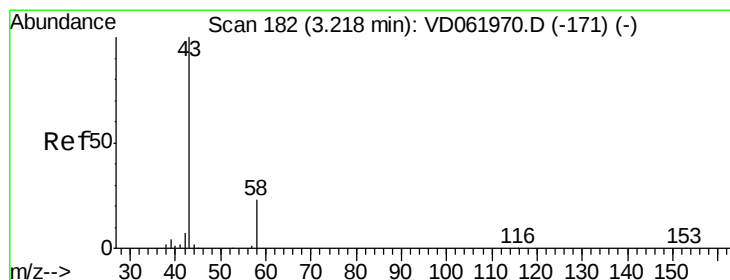
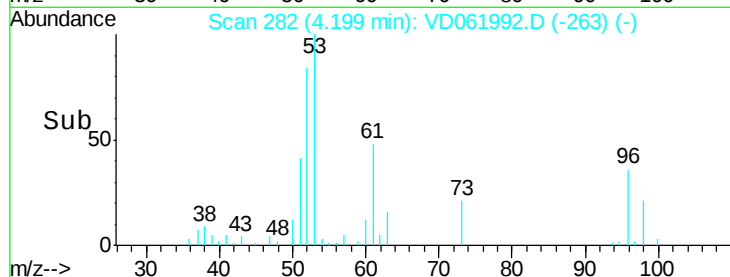
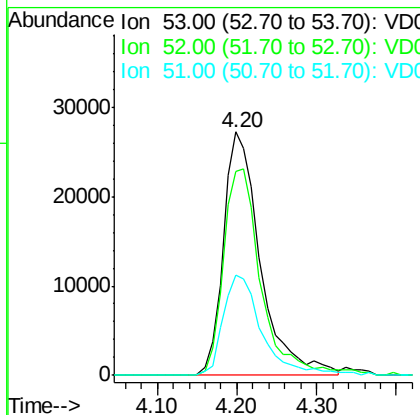
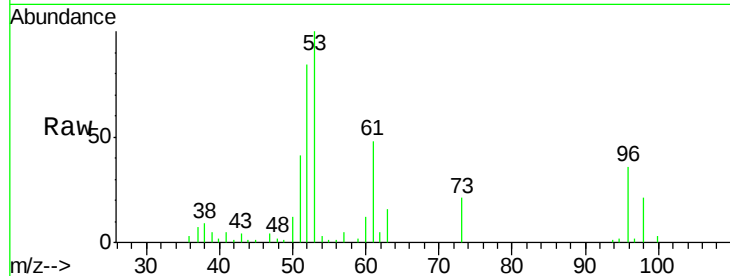
ClientSampleId :

VD0424SBS01

Tot Ion:	53	Resp:	88447
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.0	97.4
51	40.9	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 94.256 ug/l

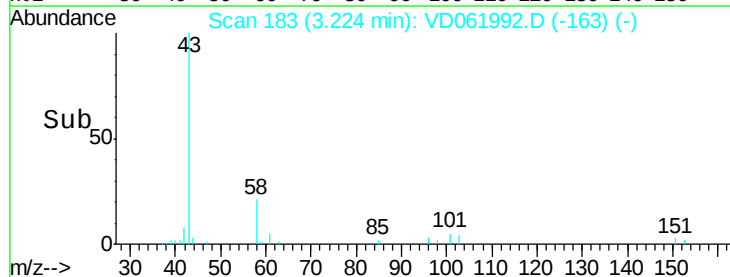
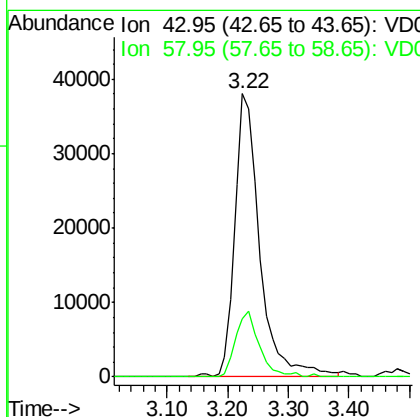
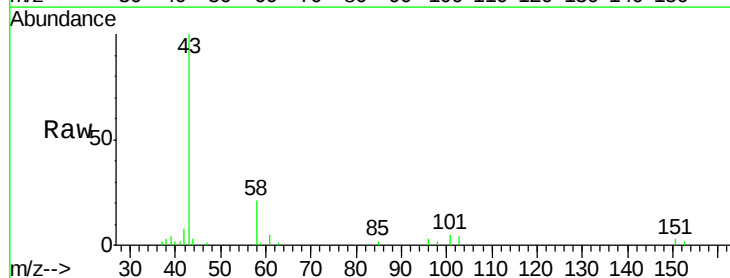
RT: 3.22 min Scan# 183

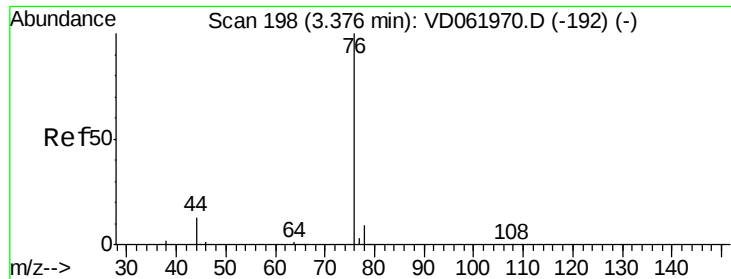
Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	43	Resp:	108959
Ion	Ratio	Lower	Upper
43	100		
58	20.7	19.9	29.9





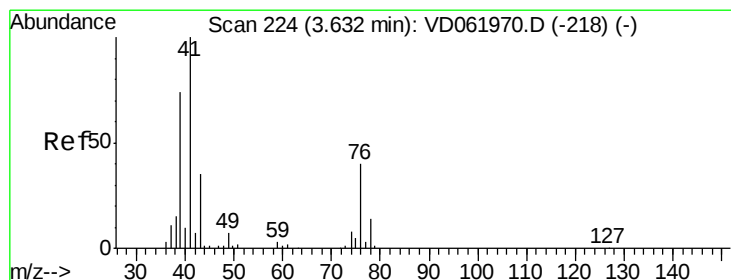
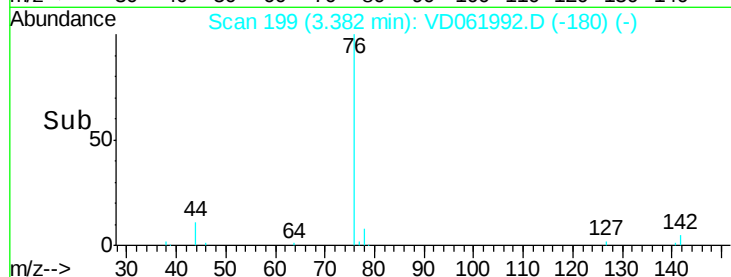
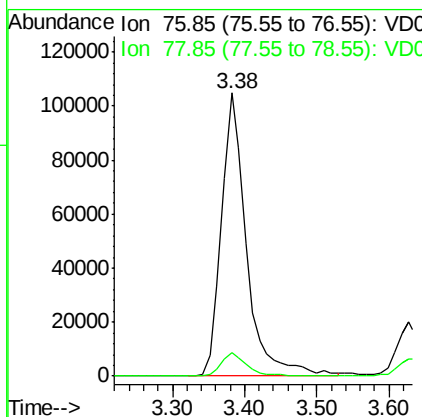
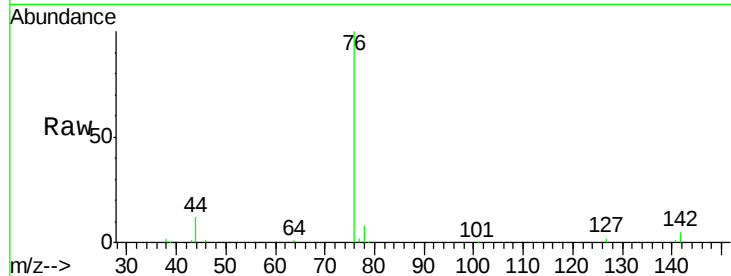
#17
Carbon Disulfide
Concen: 17.361 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8

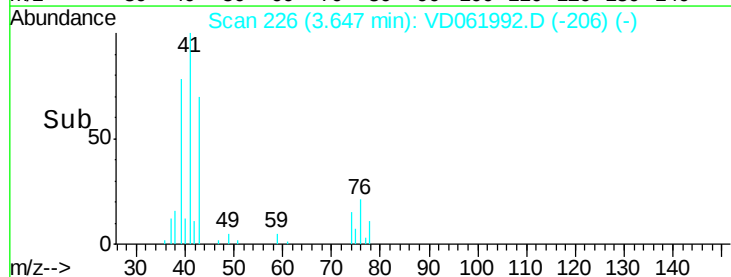
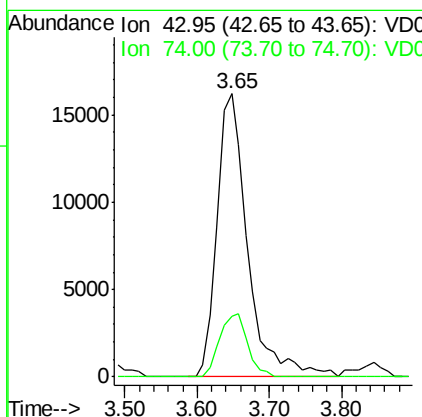
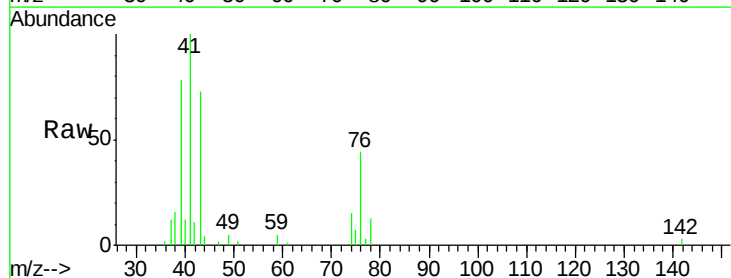
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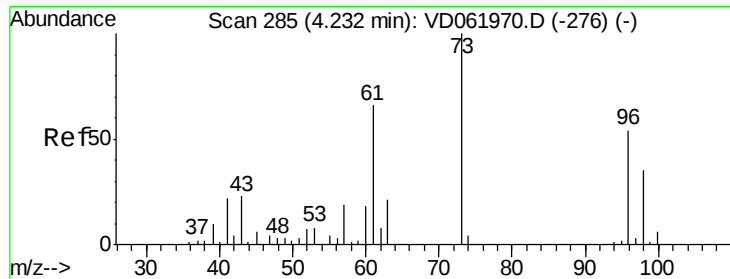
MMDadoda
4/26/2019 9:20:38 AM



#18
Methyl Acetate
Concen: 21.404 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	18.0	27.0





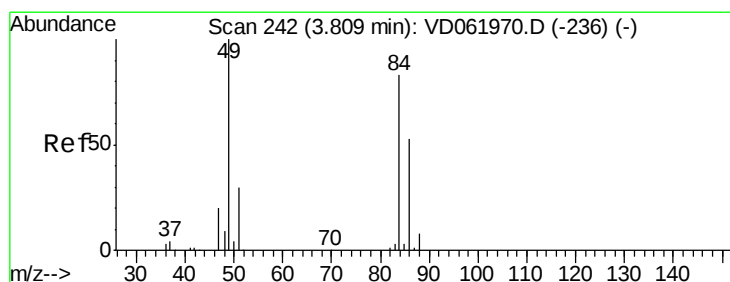
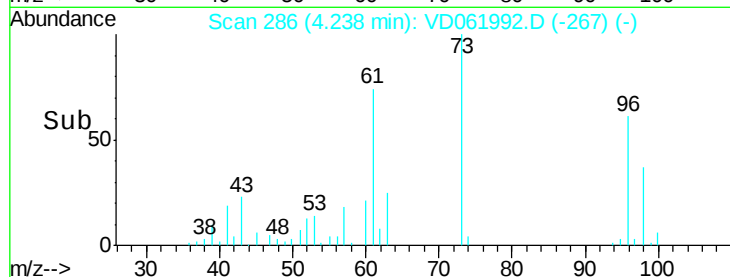
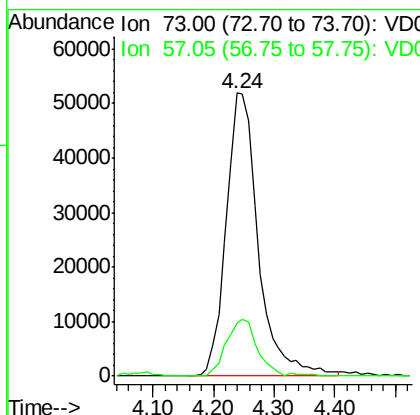
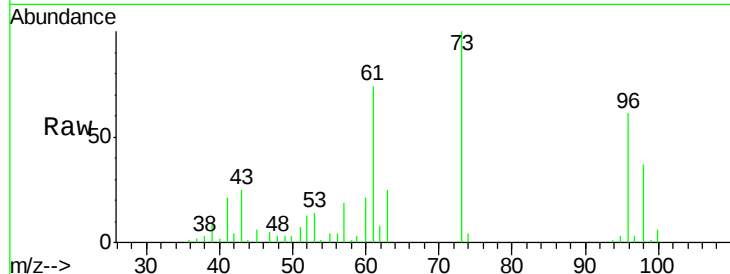
#19
Methyl tert-butyl Ether
Concen: 19.127 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 73 Resp: 191353
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5

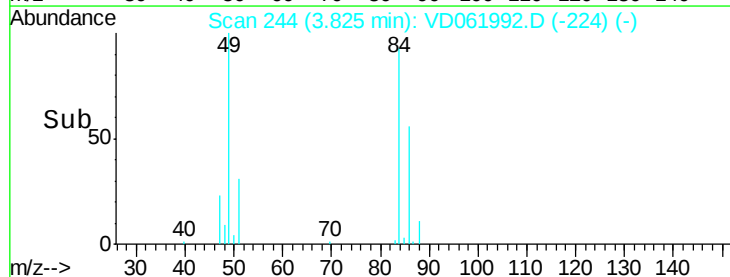
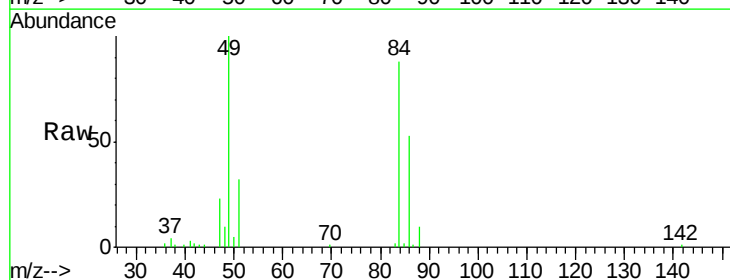
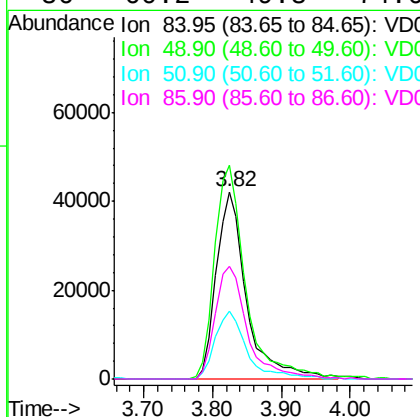
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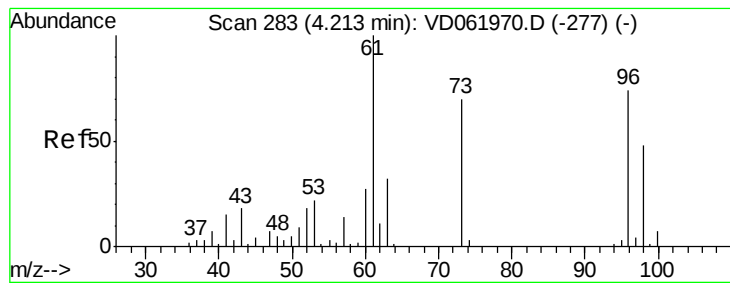
MMDadoda
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#20
Methylene Chloride
Concen: 20.970 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 84 Resp: 128433
Ion Ratio Lower Upper
84 100
49 113.9 94.0 141.0
51 36.0 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.963 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 96 Resp: 109689

Ion Ratio Lower Upper

96 100

61 124.6 104.4 156.6

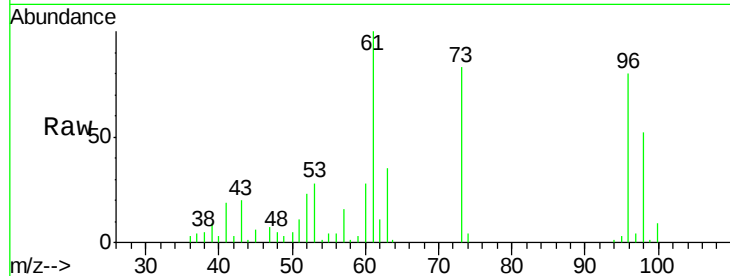
98 64.4 51.8 77.8

Manual Integrations

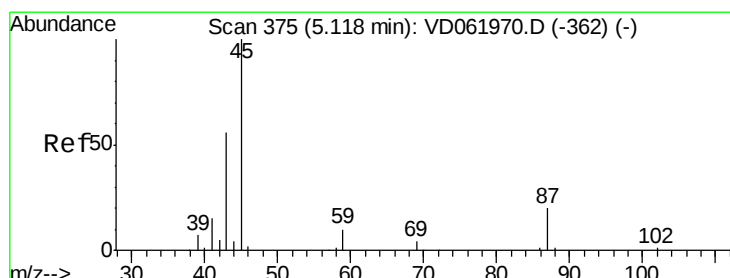
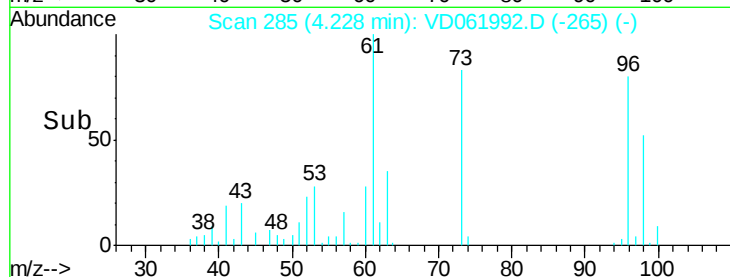
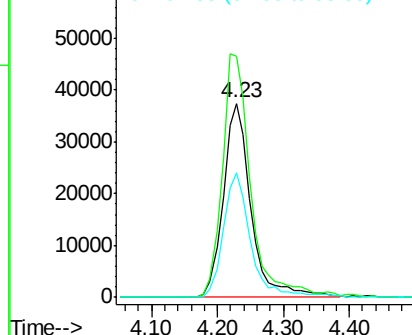
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.373 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion: 45 Resp: 311418

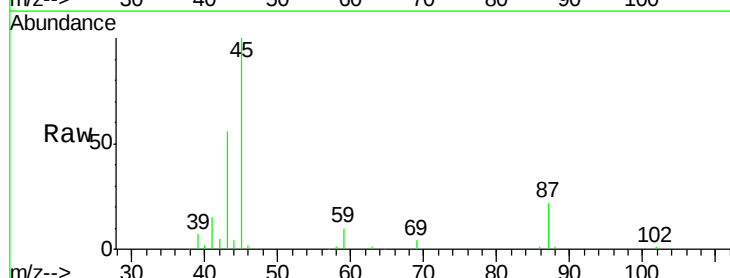
Ion Ratio Lower Upper

45 100

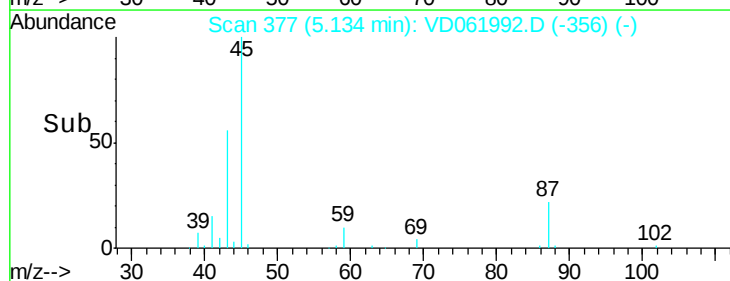
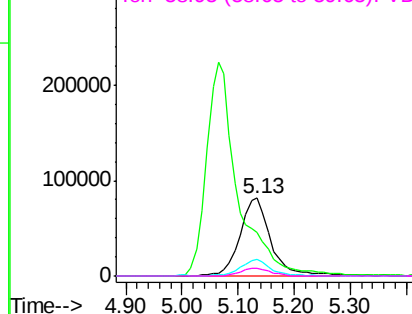
43 56.5 46.2 69.2

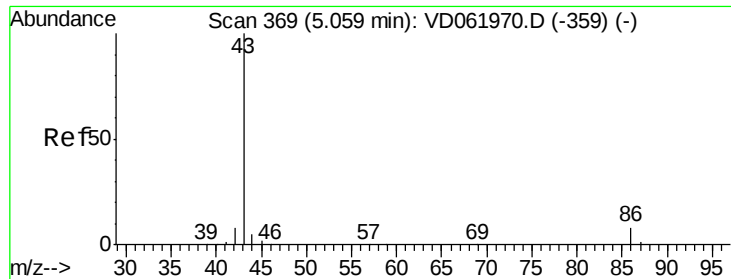
87 21.7 15.9 23.9

59 9.7 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





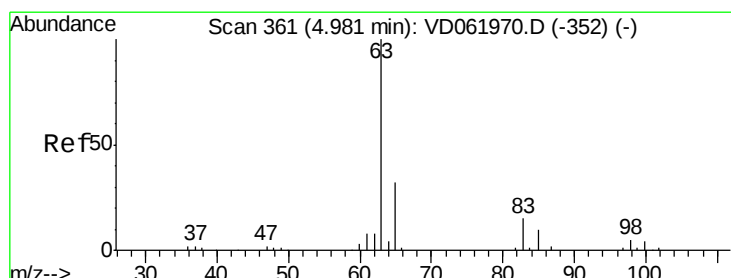
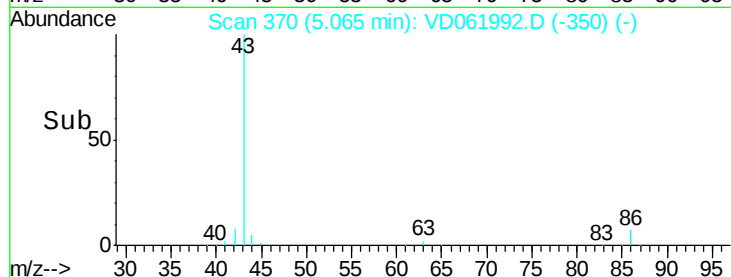
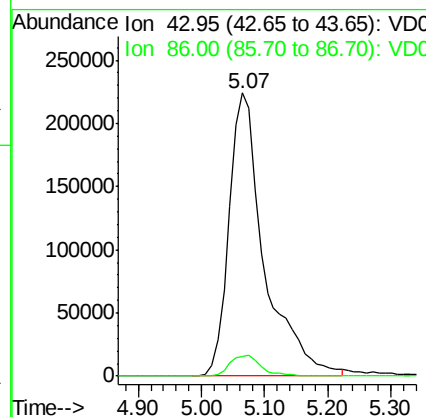
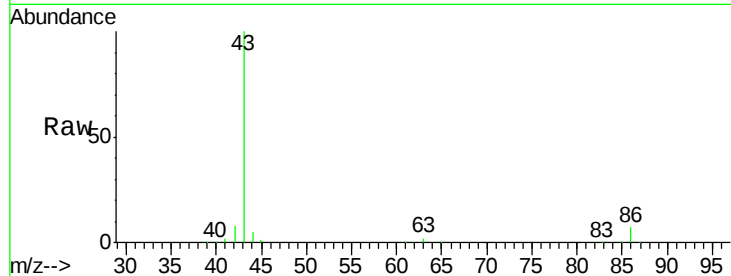
#23
 Vinyl Acetate
 Concen: 103.530 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.4	9.6

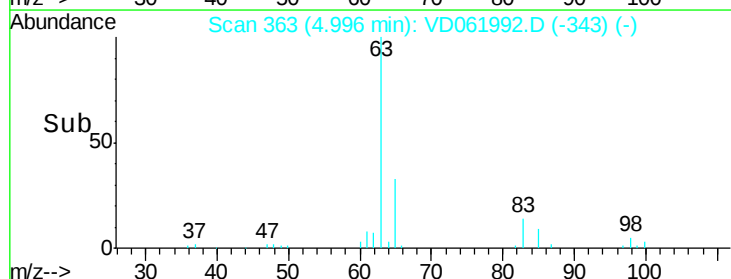
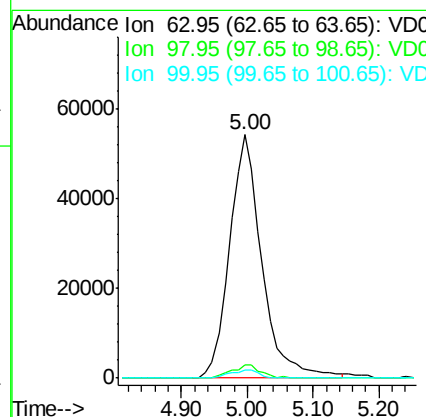
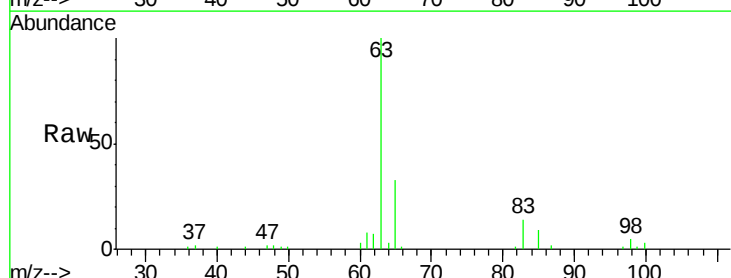
Manual Integrations
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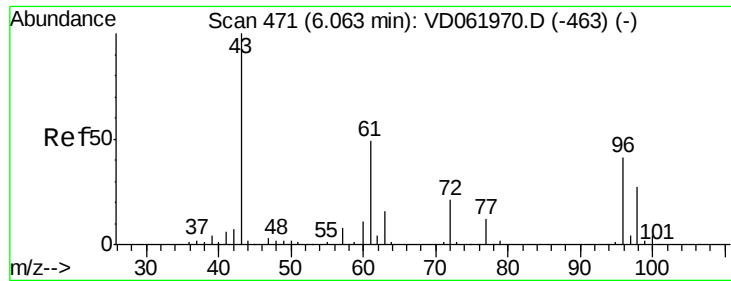
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.151 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.8	8.4
100	3.4	1.8	5.5





#25

2-Butanone

Concen: 98.764 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 43 Resp: 138422

Ion Ratio Lower Upper

43 100

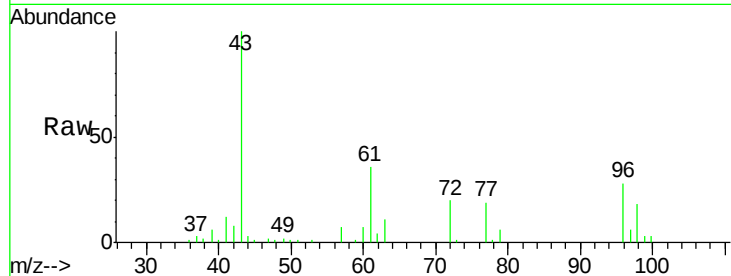
72 19.9 16.2 24.4

Manual Integrations

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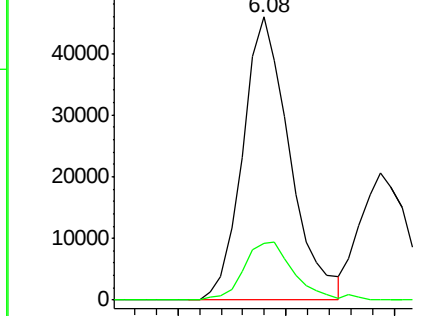
MMDadoda

4/26/2019 9:20:38 AM

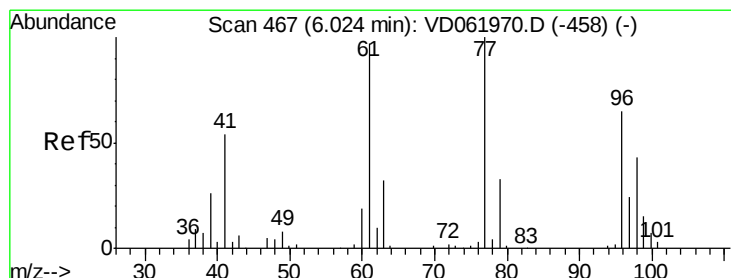
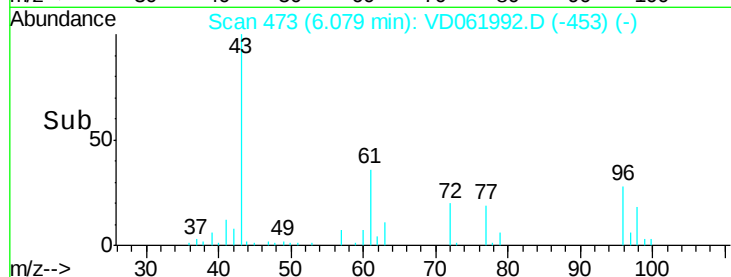


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 18.201 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061992.D

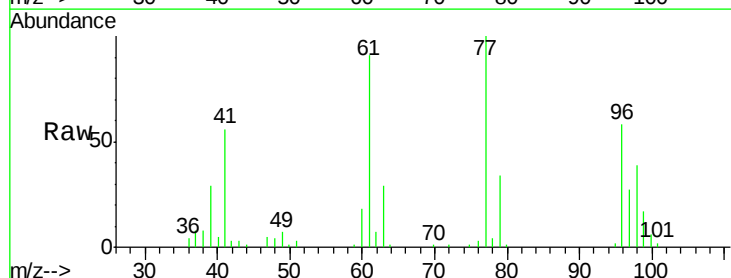
Acq: 24 Apr 2019 12:32

Tgt Ion: 77 Resp: 154270

Ion Ratio Lower Upper

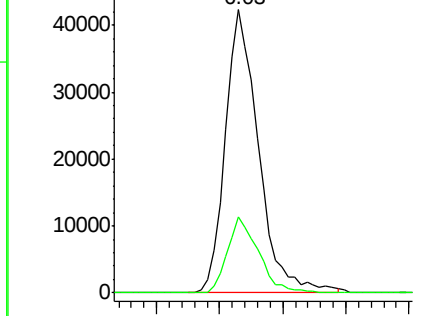
77 100

97 27.0 11.9 35.9

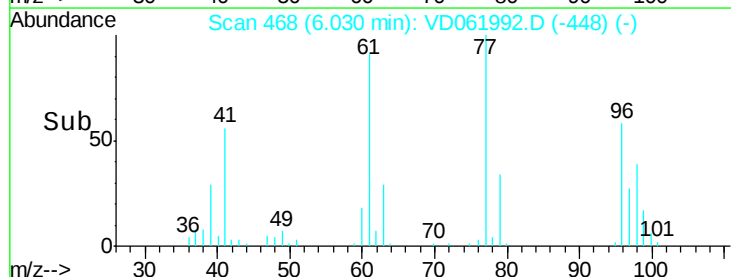


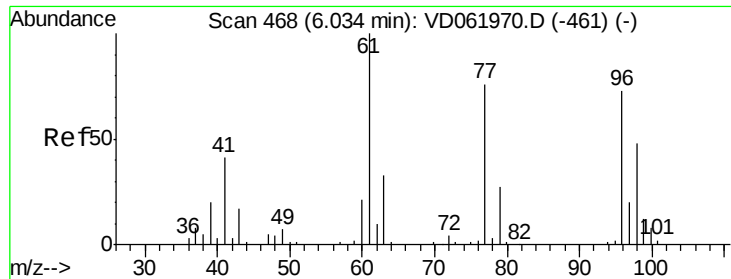
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

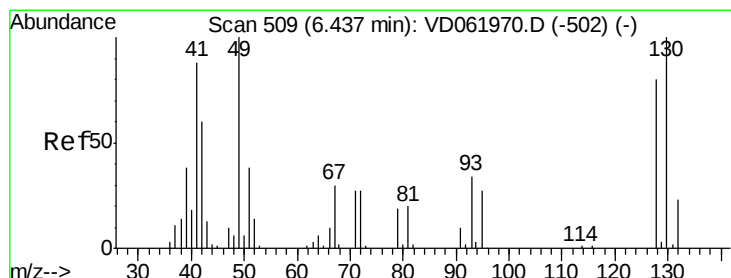
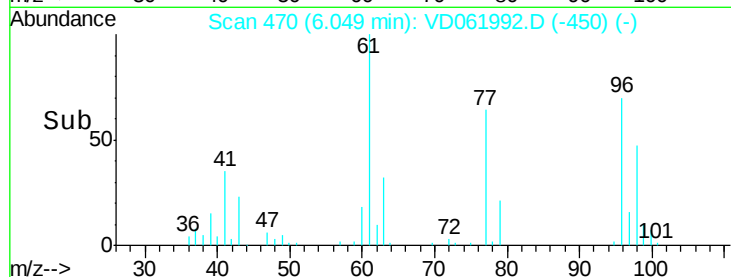
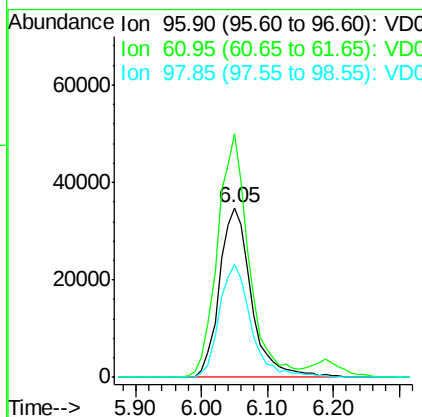
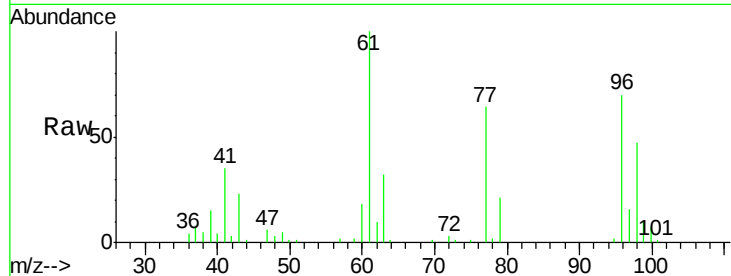
cis-1,2-Dichloroethene
Concen: 17.850 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117457		
61	143.4	0.0	279.8	
98	66.9	0.0	136.0	

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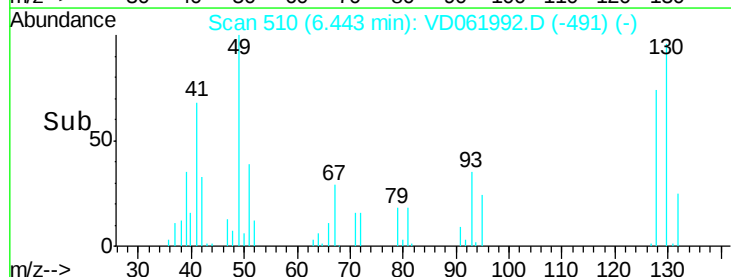
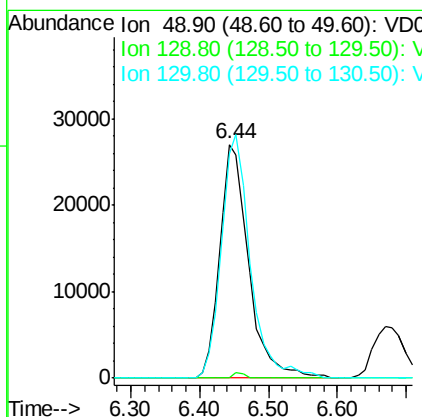
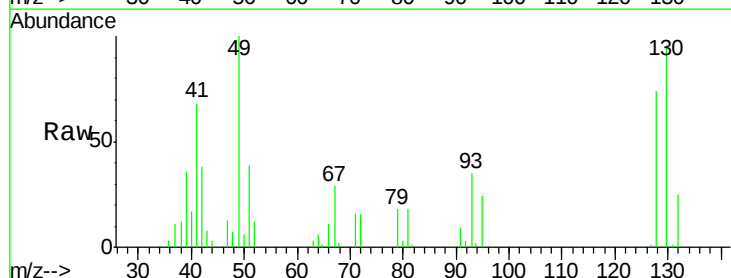
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4/26/2019 9:20:38 AM

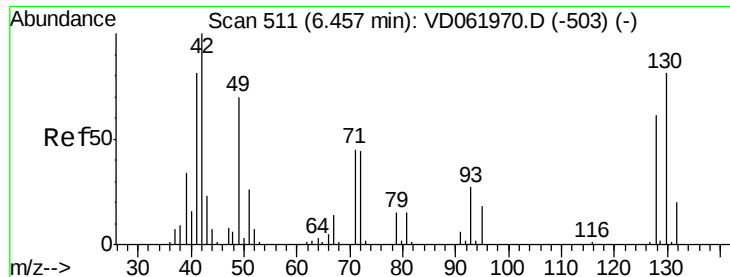


#28

Bromochloromethane
Concen: 21.221 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	78890		
129	0.0	0.0	6.6	
130	95.9	86.7	130.1	





#29

Tetrahydrofuran

Concen: 97.374 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

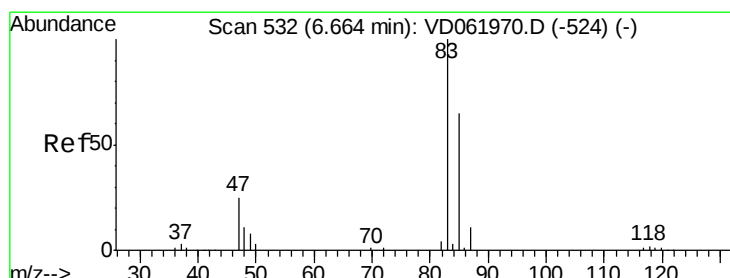
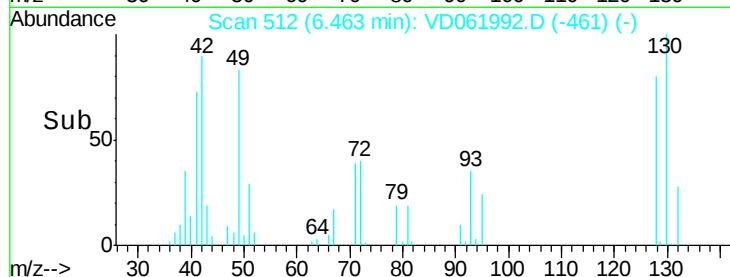
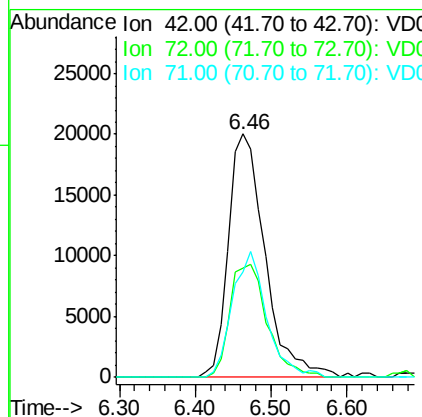
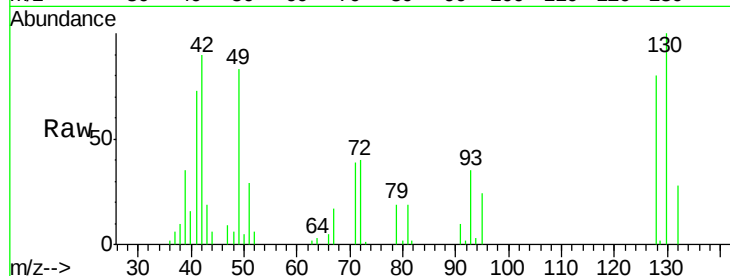
ClientSampleId :

VD0424SBS01

Tot Ion:	42	Resp:	67244
Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	48.4	36.7	55.1

Manual Integrations
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#30

Chloroform

Concen: 20.100 ug/l

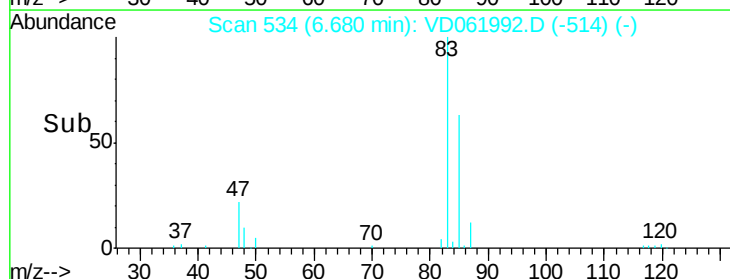
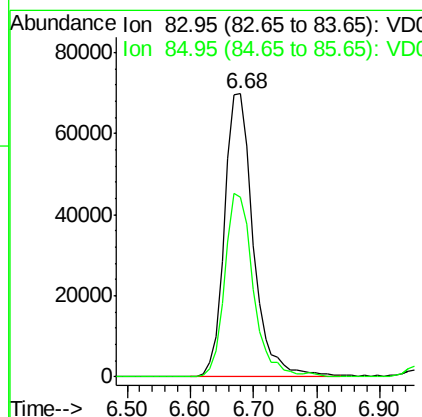
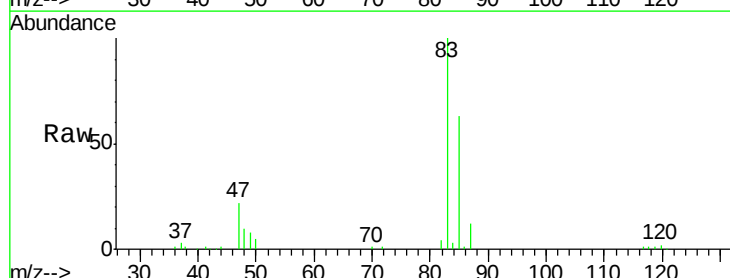
RT: 6.68 min Scan# 534

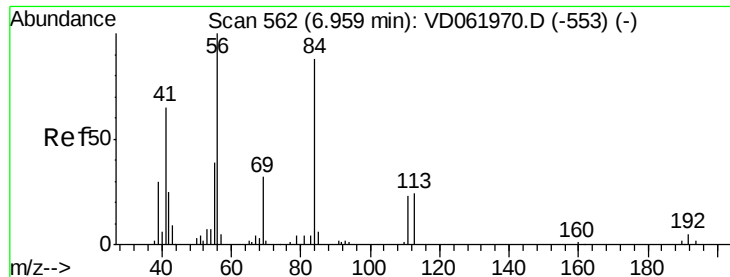
Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	83	Resp:	221811
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.7	77.5





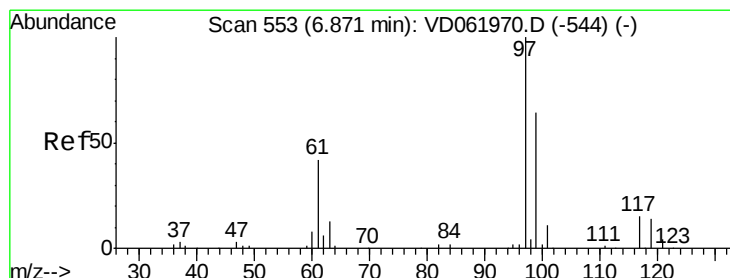
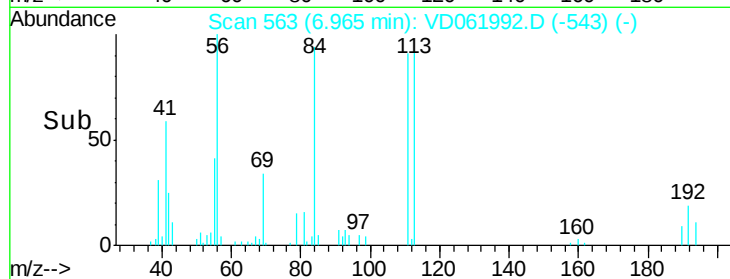
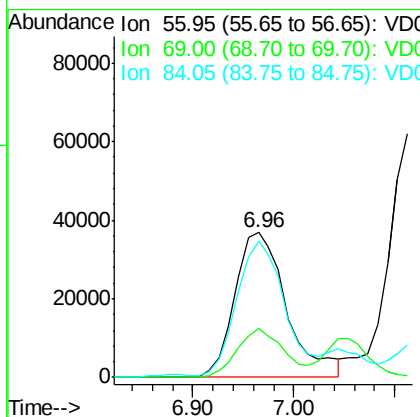
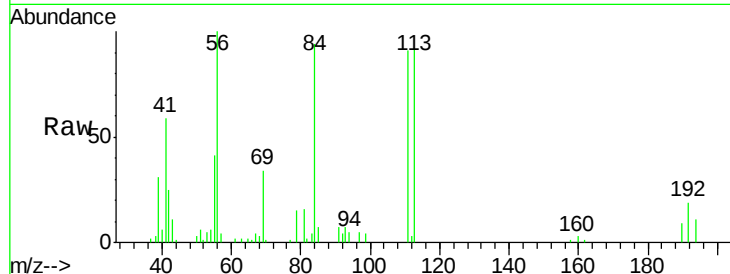
#31
Cyclohexane
Concen: 18.211 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	25.8	38.6
84	93.7	72.2	108.4

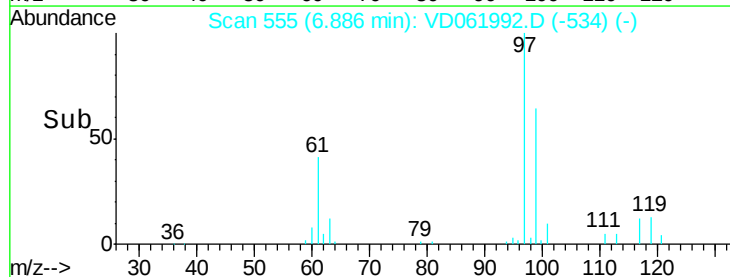
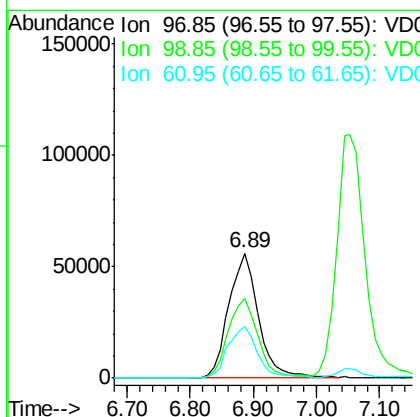
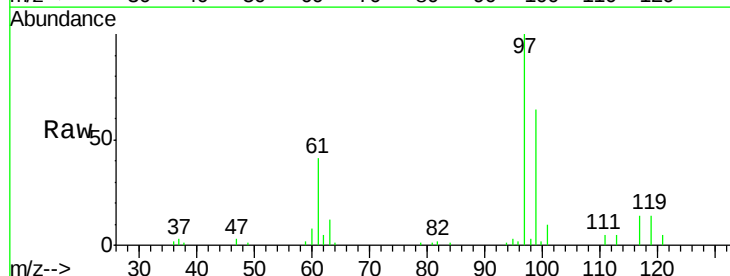
Manual Integrations
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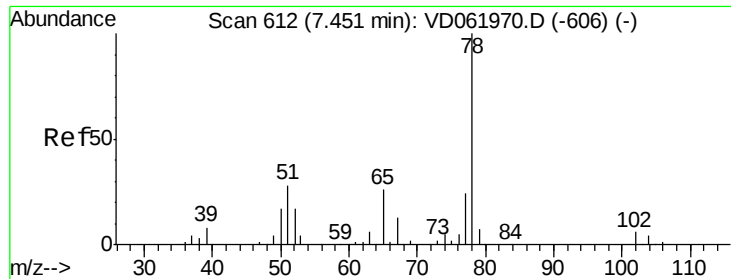
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#32
1,1,1-Trichloroethane
Concen: 19.095 ug/l
RT: 6.89 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	41.5	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 52.202 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 65 Resp: 252731

Ion Ratio Lower Upper

65 100

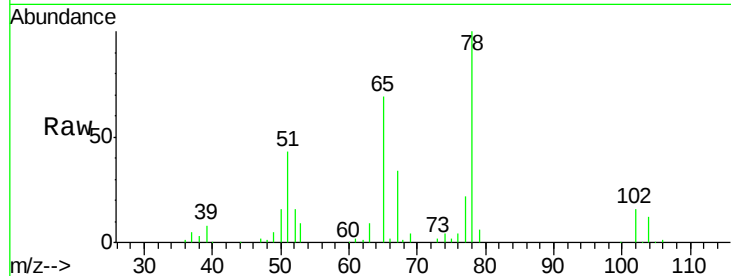
67 49.2 0.0 98.0

Manual Integrations

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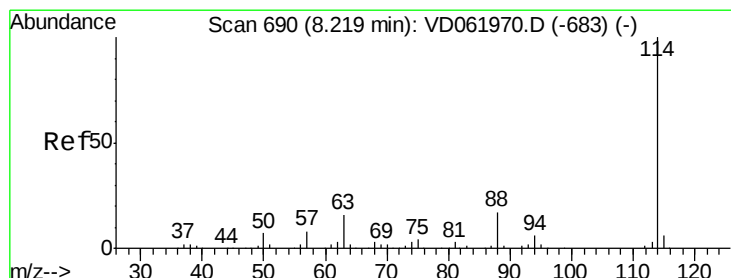
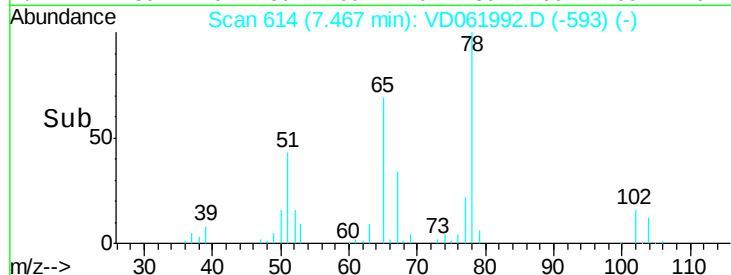
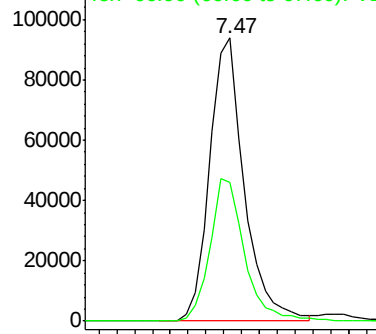
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

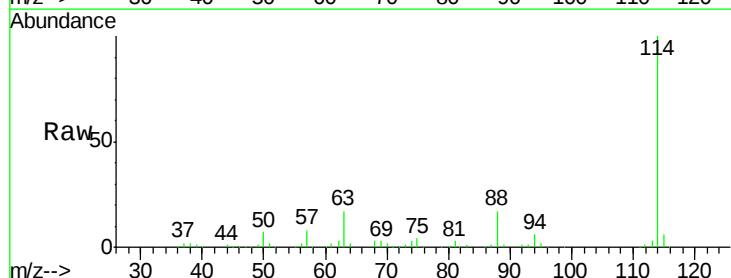
Tgt Ion: 114 Resp: 971186

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

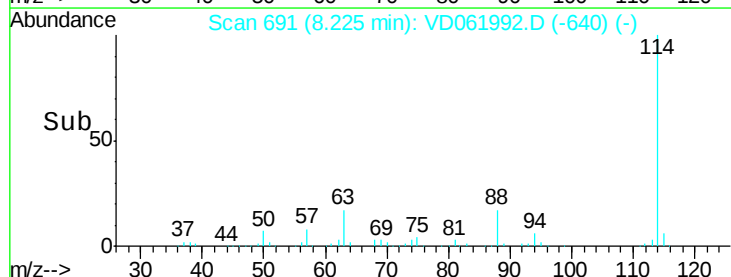
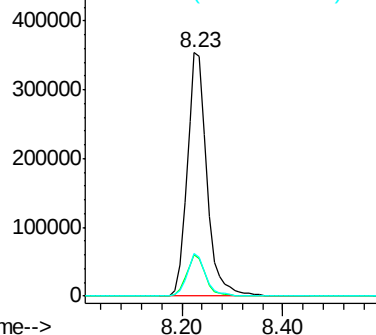
88 17.4 0.0 33.6

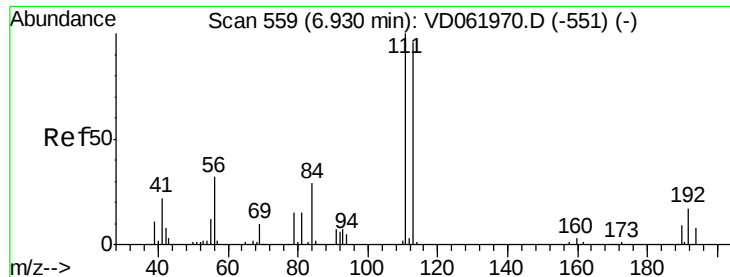


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.692 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:113 Resp: 367349

Ion Ratio Lower Upper

113 100

111 100.7 78.5 117.7

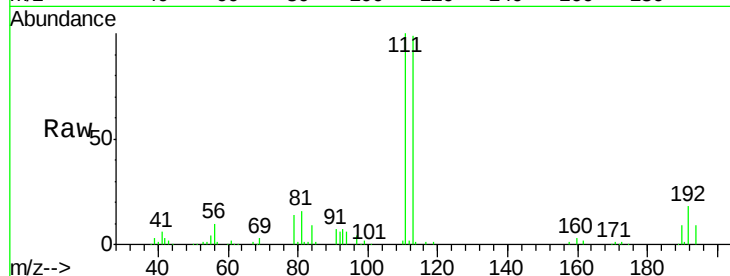
192 18.2 13.0 19.4

Manual Integrations

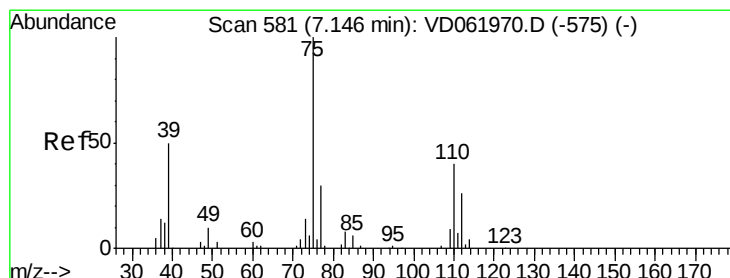
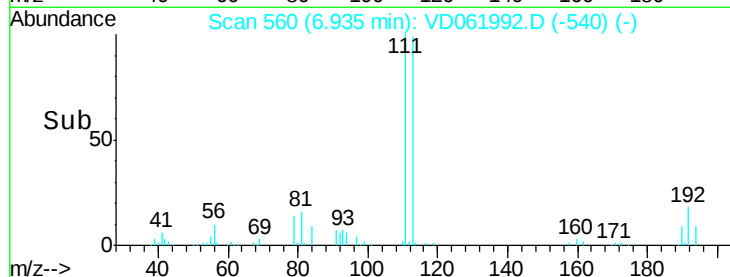
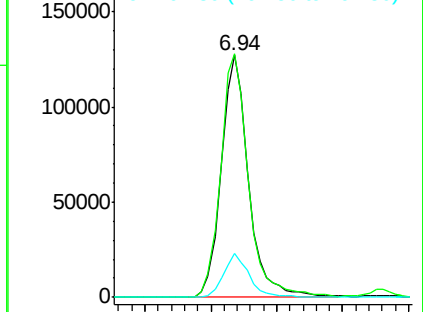
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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.733 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

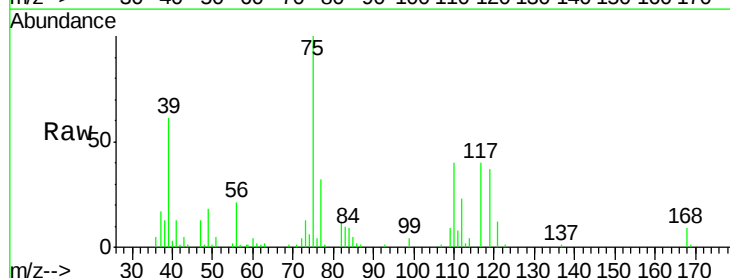
Tgt Ion: 75 Resp: 149310

Ion Ratio Lower Upper

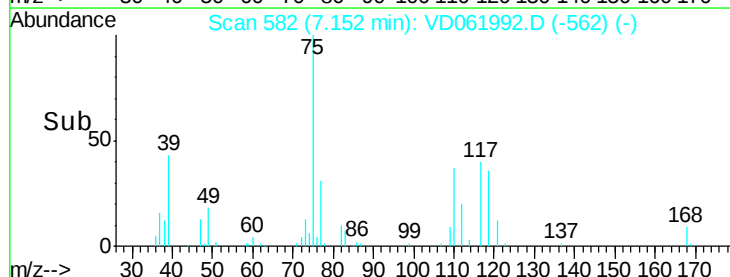
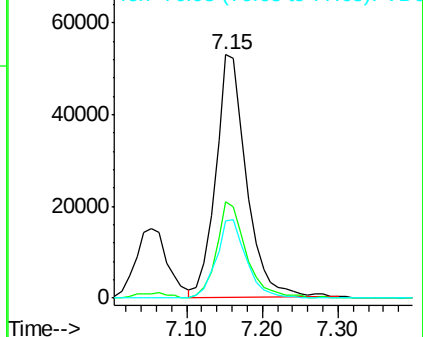
75 100

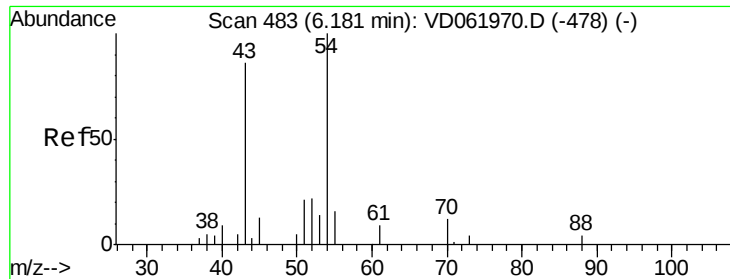
110 39.6 19.1 57.1

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





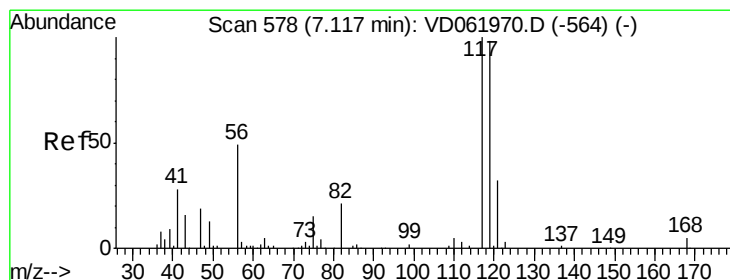
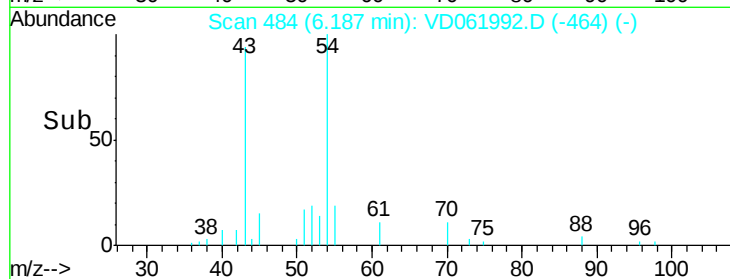
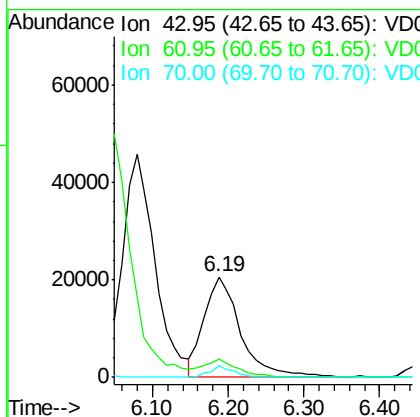
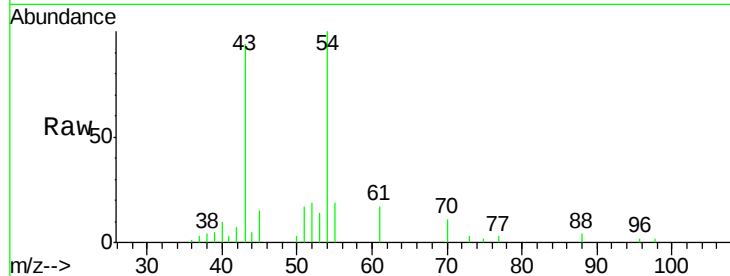
#37
Ethyl Acetate
Concen: 21.609 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.7	22.1
70	12.1	7.8	11.6

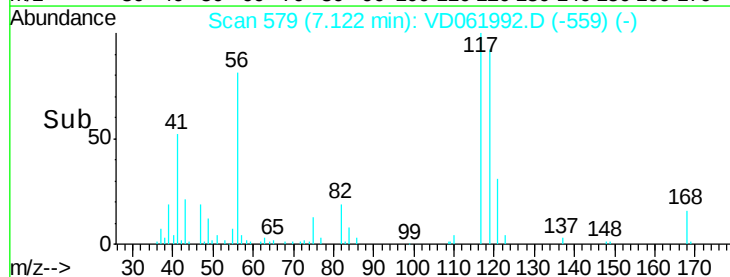
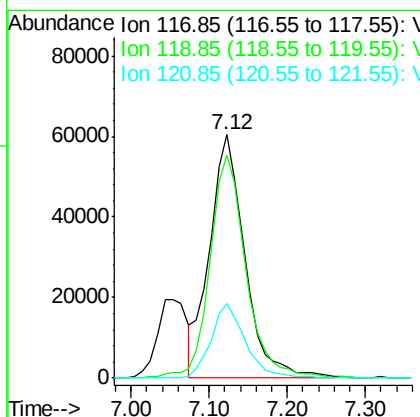
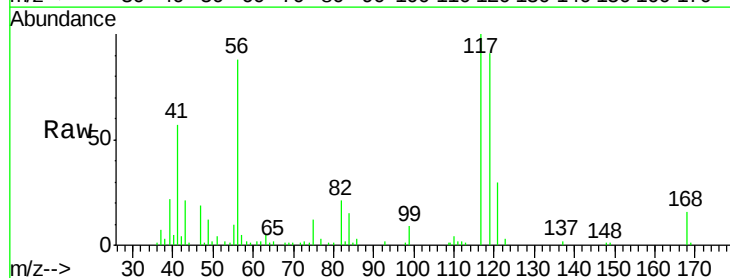
Manual Integrations
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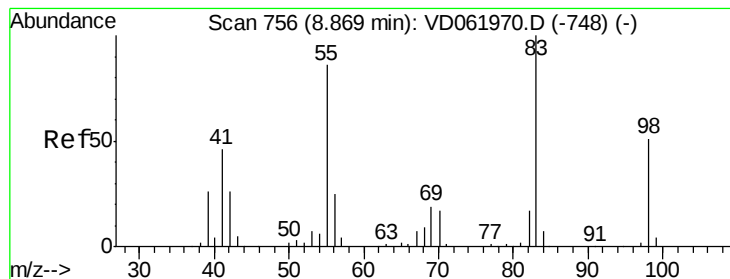
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4/26/2019 9:20:38 AM



#38
Carbon Tetrachloride
Concen: 19.909 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.8	113.8
121	30.4	25.9	38.9





#39

Methvlcvclohexane

Concen: 18.961 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 83 Resp: 141550
Ion Ratio Lower Upper

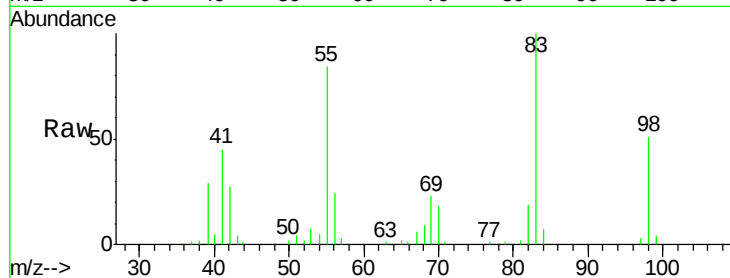
83 100

55 83.9 68.2 102.4

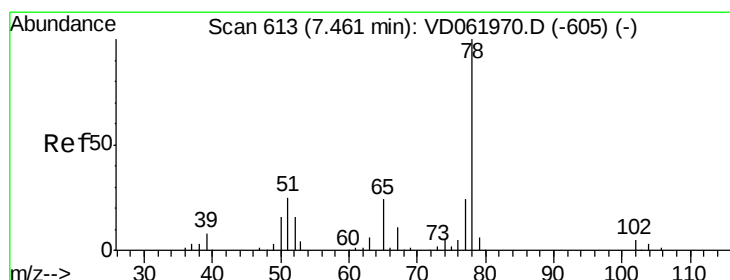
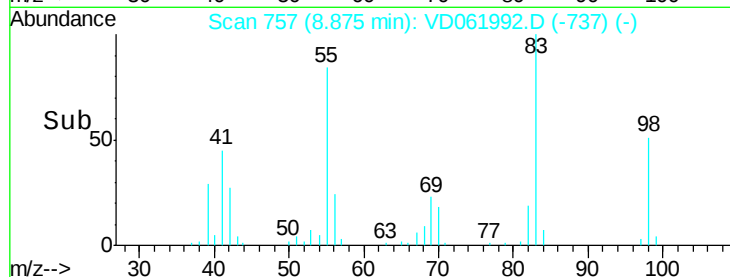
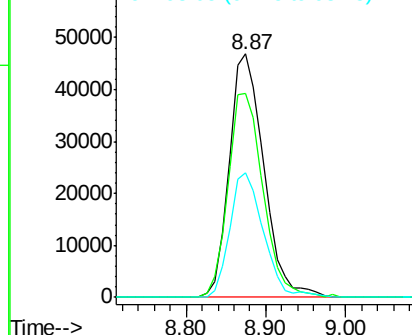
98 51.3 38.2 57.4

Manual Integrations
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Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.229 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

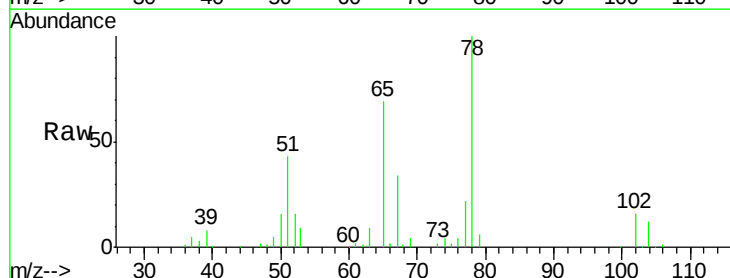
Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

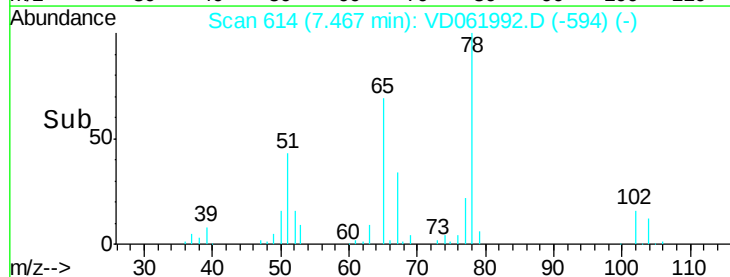
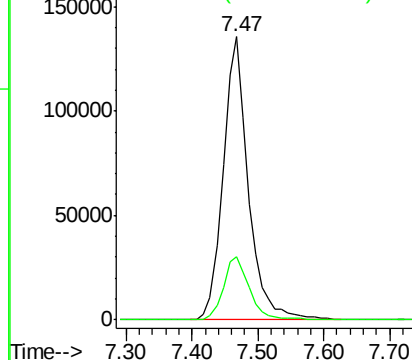
Tgt Ion: 78 Resp: 360198
Ion Ratio Lower Upper

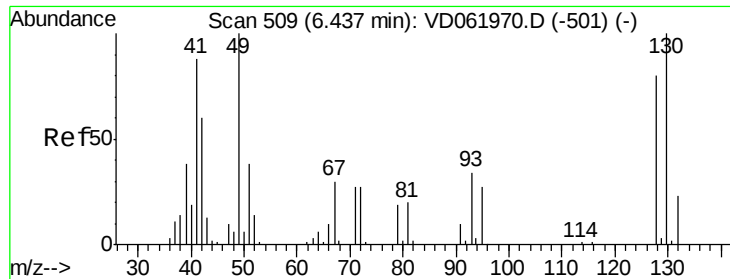
78 100

77 22.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





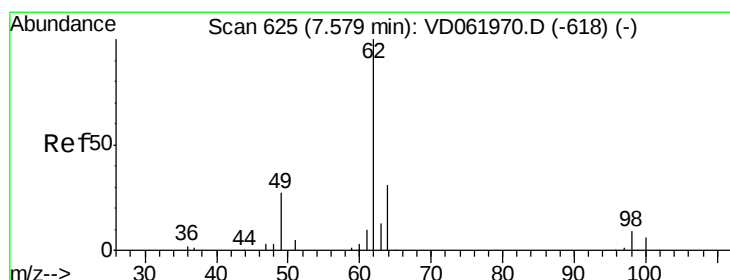
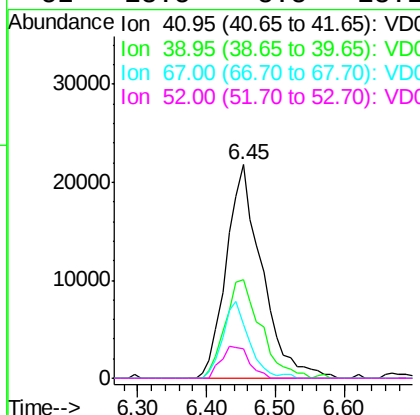
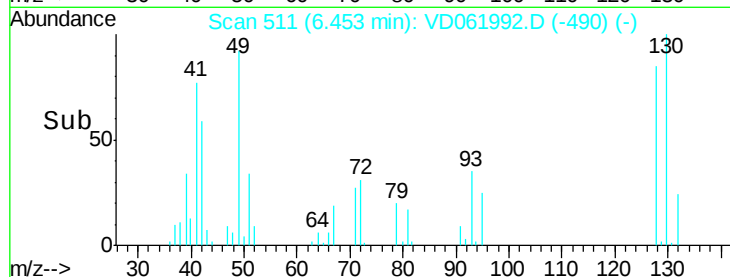
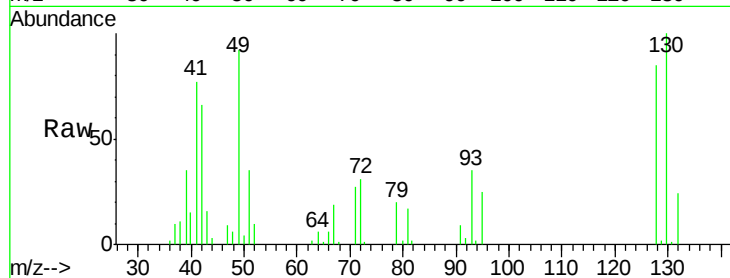
#41
Methacrylonitrile
Concen: 20.806 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ion	Ratio	Lower	Upper
78274	41	100		
	39	45.9	34.1	51.1
	67	25.0	23.8	35.6
	52	13.5	8.8	13.2

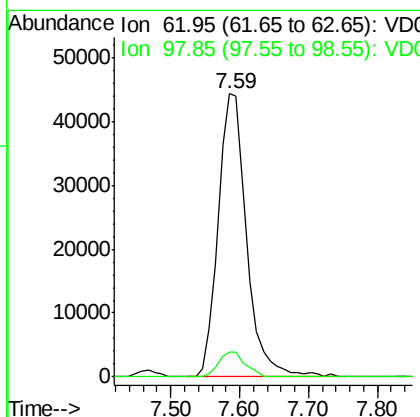
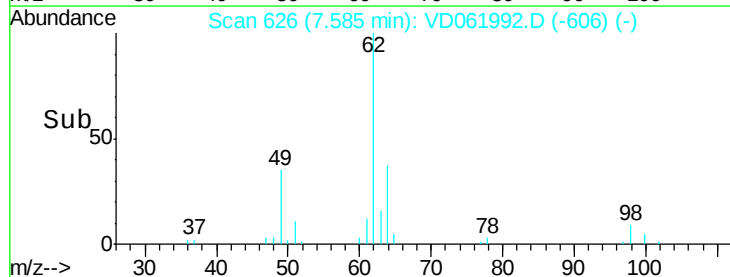
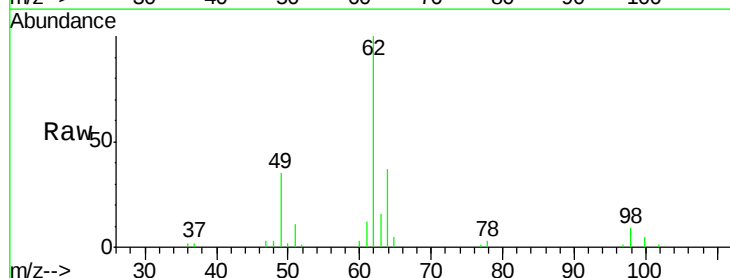
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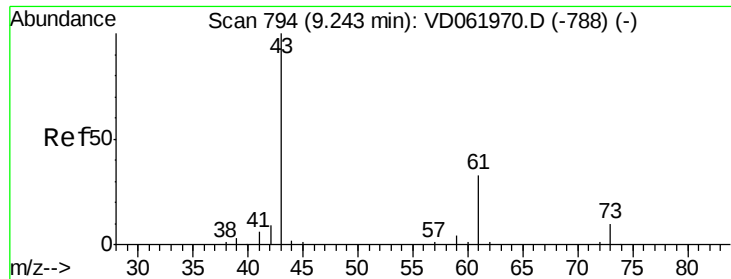
MMDadoda
4/26/2019 9:20:38 AM



#42
1,2-Dichloroethane
Concen: 19.886 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
126479	62	100		
	98	8.7	0.0	17.8





#43

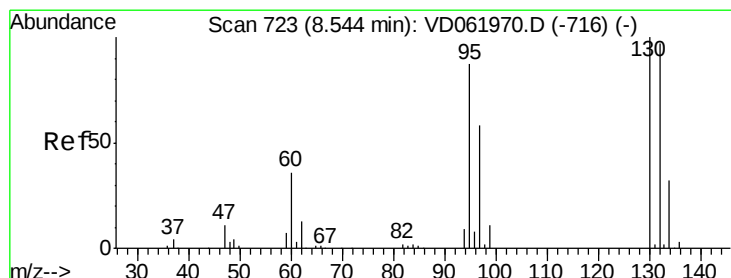
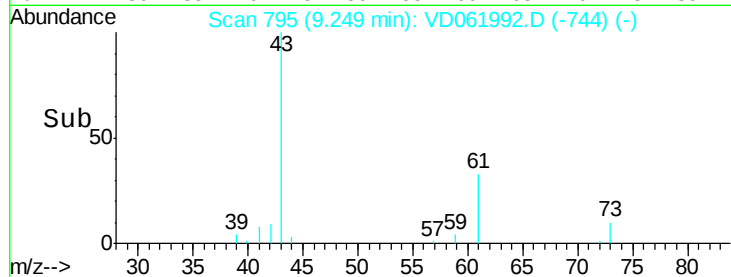
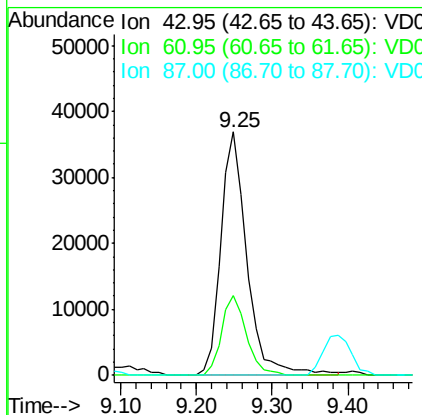
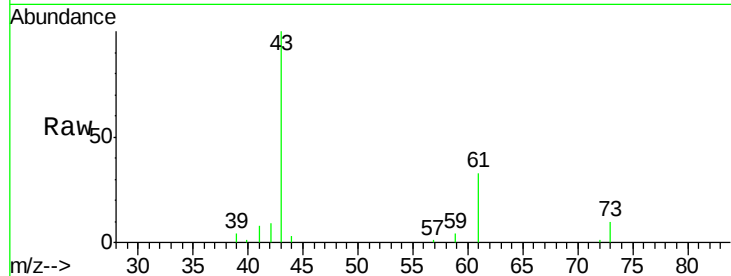
Isopropyl Acetate
 Concen: 18.848 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.1	37.7
87	0.0	0.0	0.0

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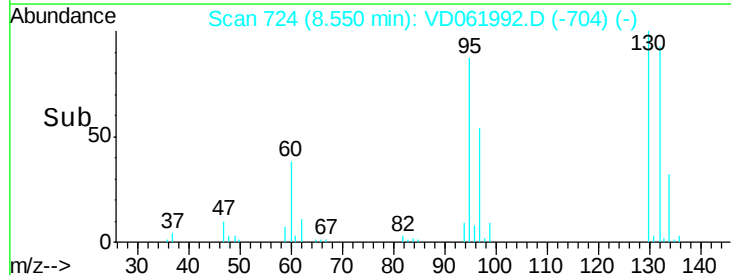
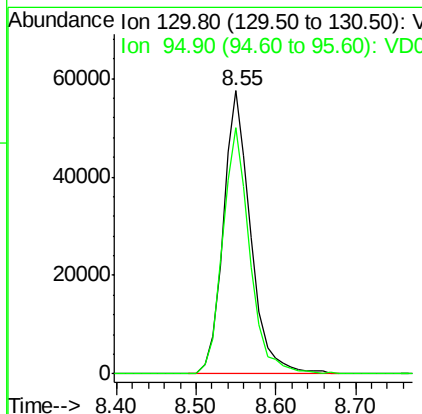
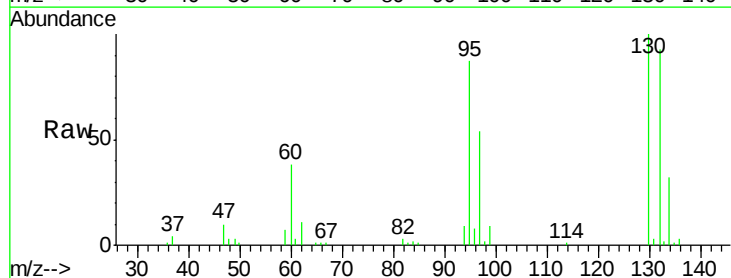
MMDadoda
 4/26/2019 9:20:38 AM

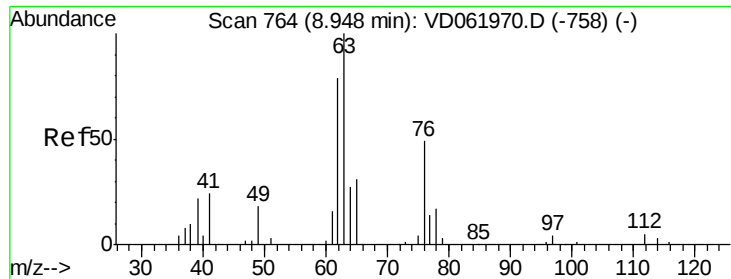


#44

Trichloroethene
 Concen: 18.971 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	174.0





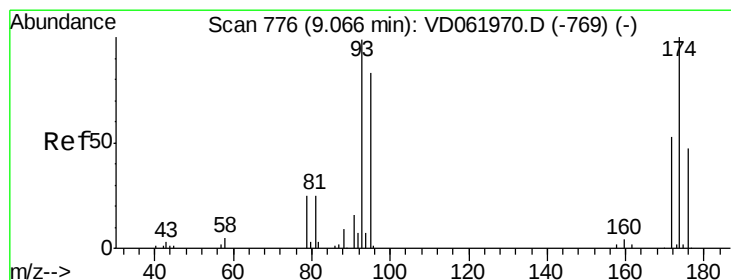
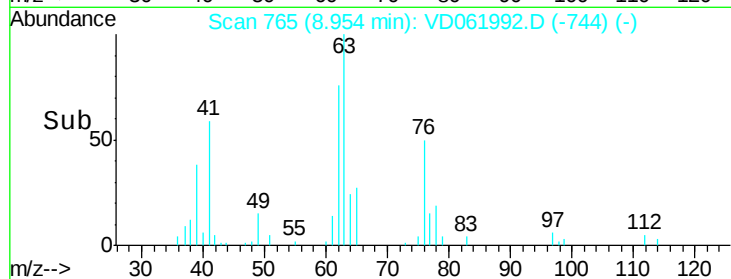
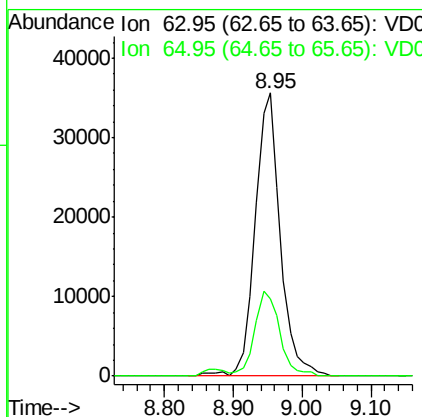
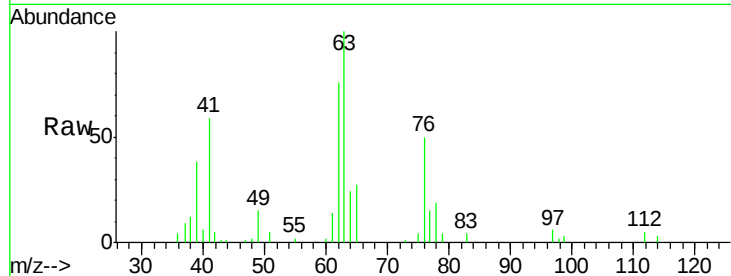
#45
 1,2-Dichloropropane
 Concen: 19.044 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion: 63 Resp: 90502
 Ion Ratio Lower Upper
 63 100
 65 27.4 23.8 35.6

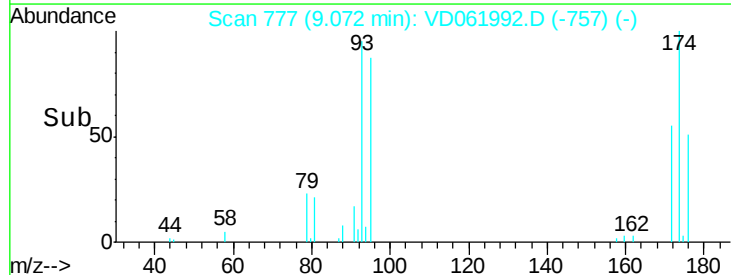
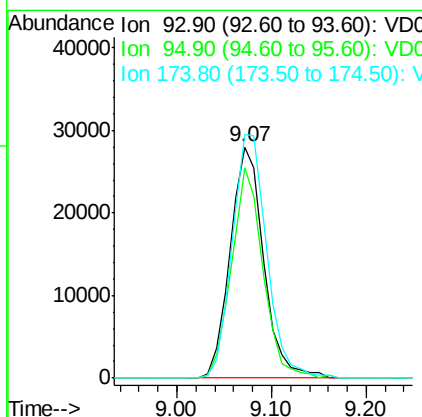
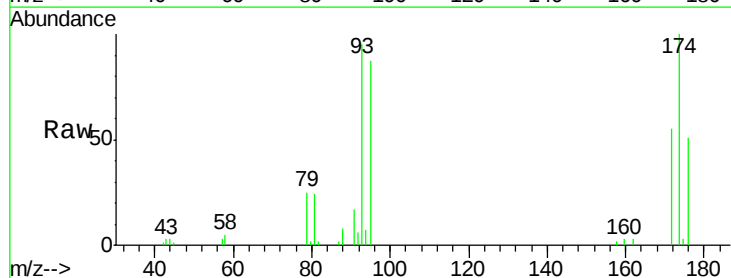
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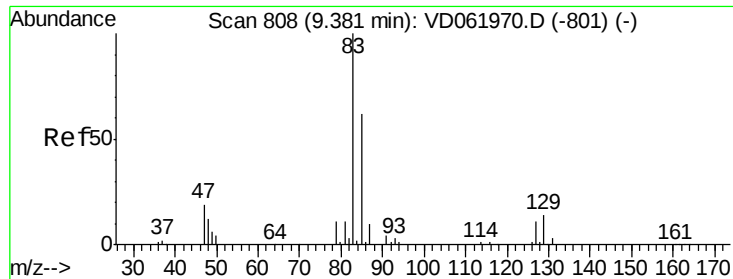
MMDadoda
 4/26/2019 9:20:38 AM



#46
 Dibromomethane
 Concen: 20.033 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 93 Resp: 68501
 Ion Ratio Lower Upper
 93 100
 95 91.2 64.8 97.2
 174 105.2 79.3 118.9





#47

Bromodichloromethane

Concen: 18.688 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

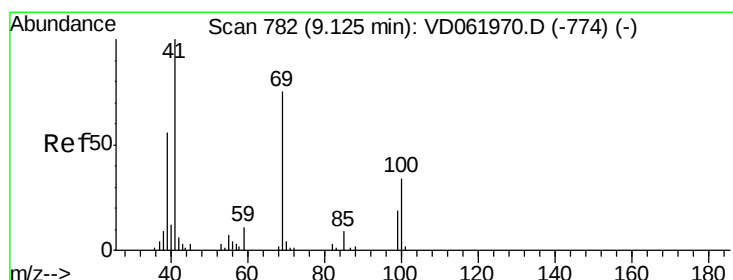
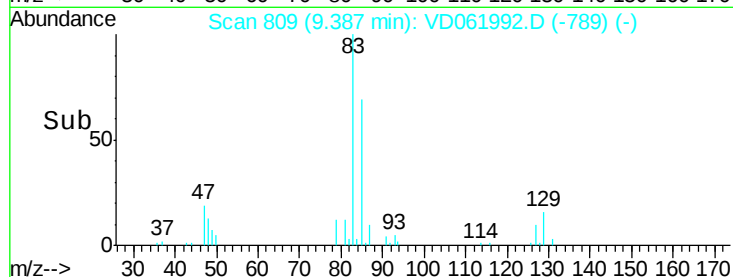
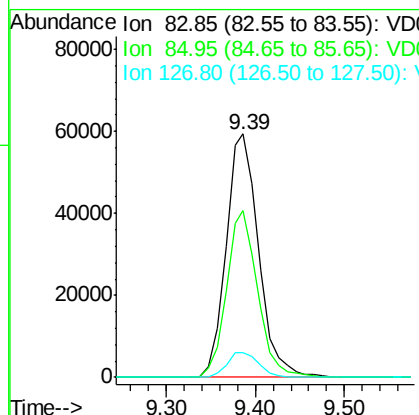
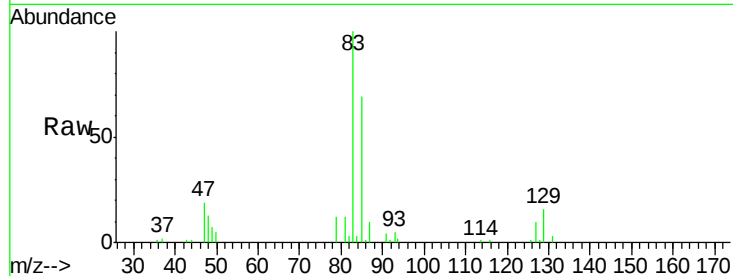
ClientSampleId :

VD0424SBS01

Tot Ion:	83	Resp:	150990
Ion	Ratio	Lower	Upper
83	100		
85	68.7	50.9	76.3
127	10.1	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.992 ug/l

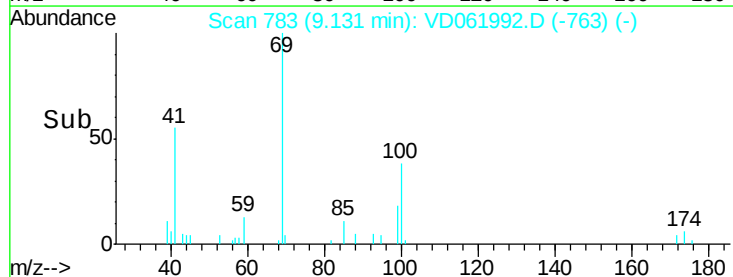
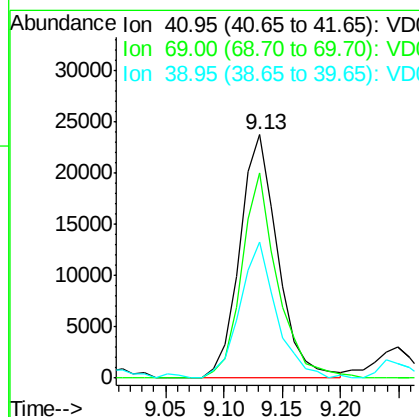
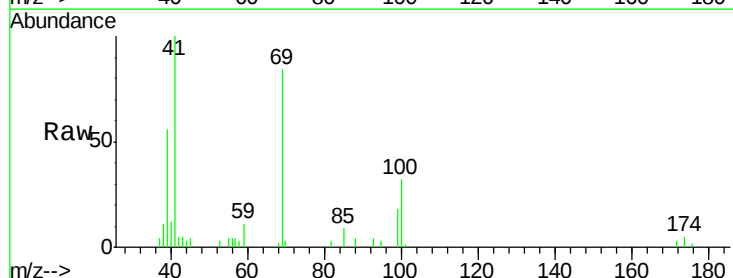
RT: 9.13 min Scan# 783

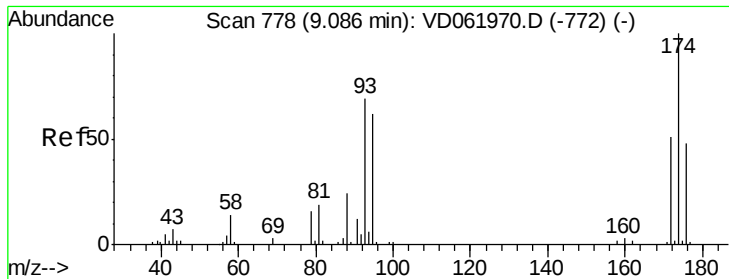
Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	41	Resp:	53739
Ion	Ratio	Lower	Upper
41	100		
69	84.4	64.2	96.2
39	56.0	46.8	70.2





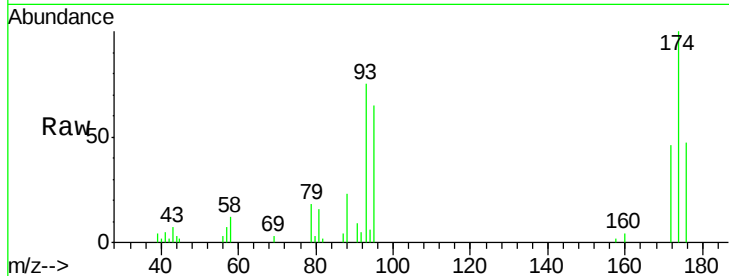
#49
1,4-Dioxane
Concen: 442.023 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

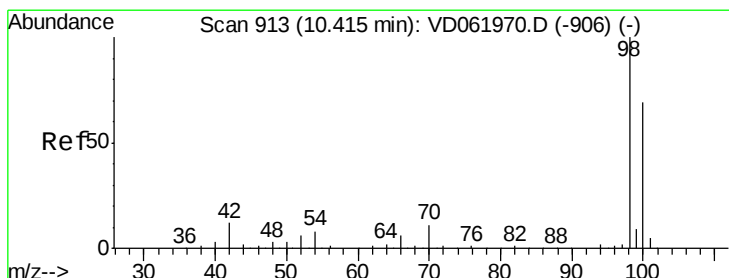
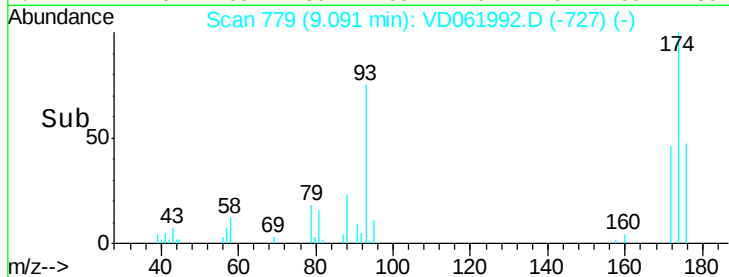
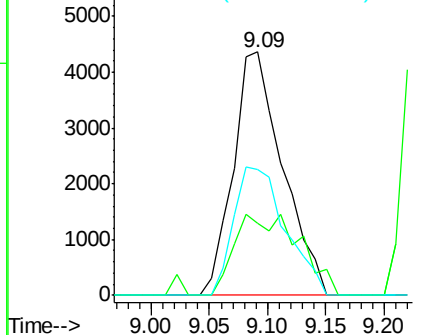
Tot Ion	Ratio	Resp	Lower	Upper
88	100	12810		
43	29.8		23.4	35.0
58	51.5		44.0	66.0

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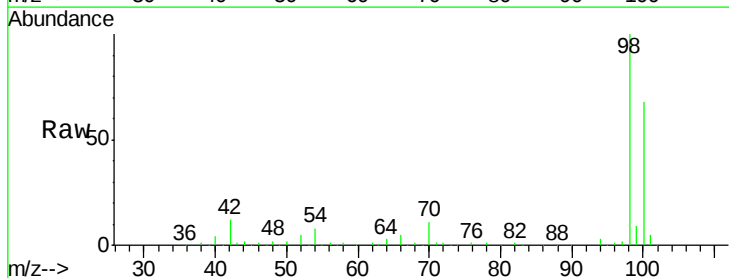


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

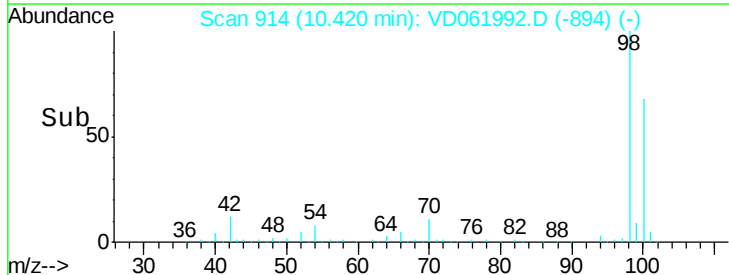
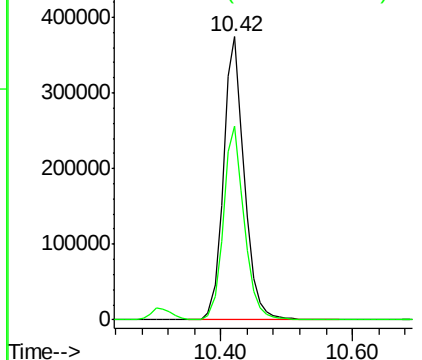


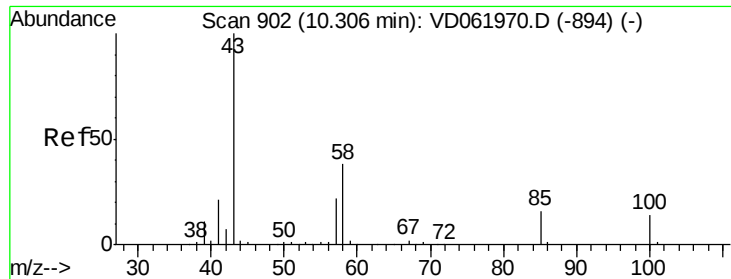
#50
Toluene-d8
Concen: 51.785 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	827644		
100	68.3		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: 101.438 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 43 Resp: 292266

Ion Ratio Lower Upper

43 100

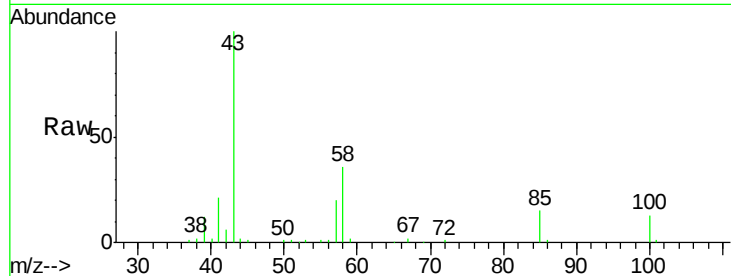
58 36.4 30.4 45.6

Manual Integrations

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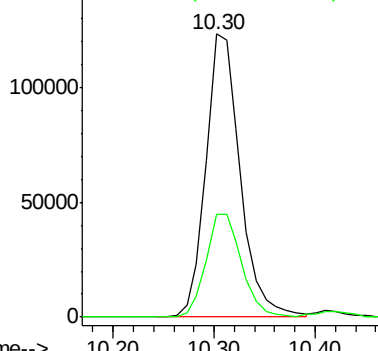
MMDadoda

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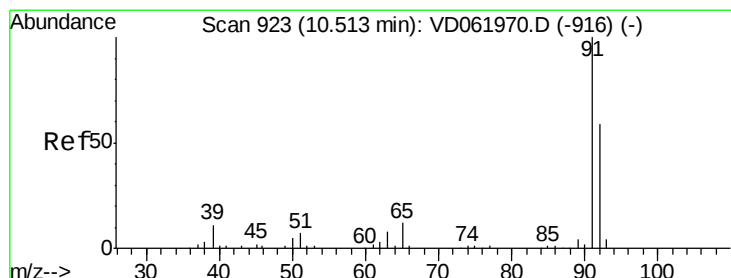
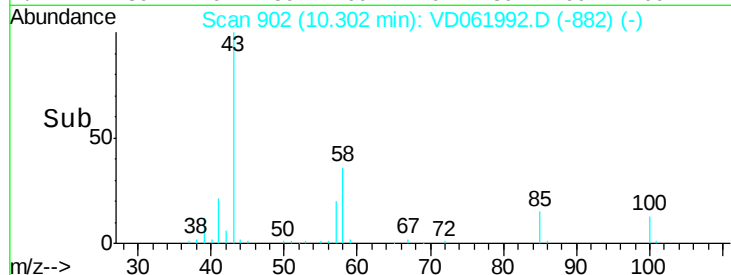


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 18.698 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061992.D

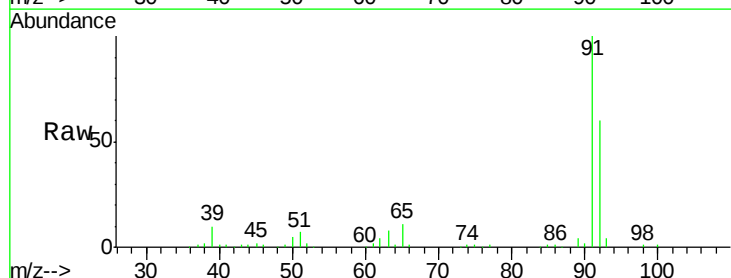
Acq: 24 Apr 2019 12:32

Tgt Ion: 92 Resp: 223325

Ion Ratio Lower Upper

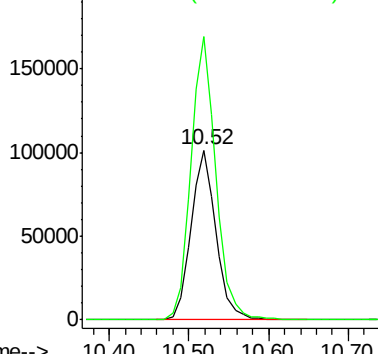
92 100

91 167.0 136.6 204.8

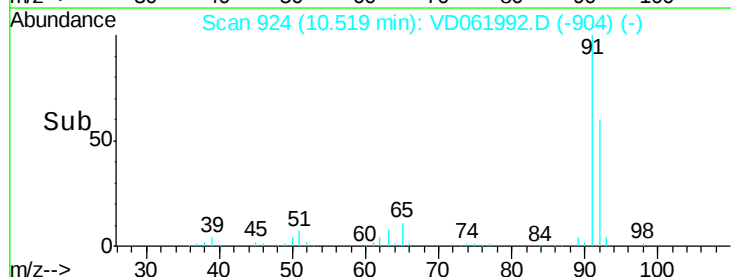


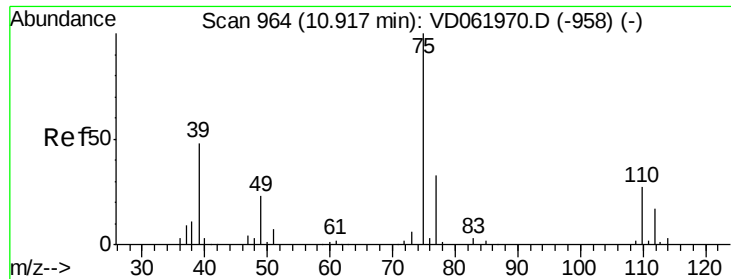
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 20.322 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tot Ion: 75 Resp: 137823

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

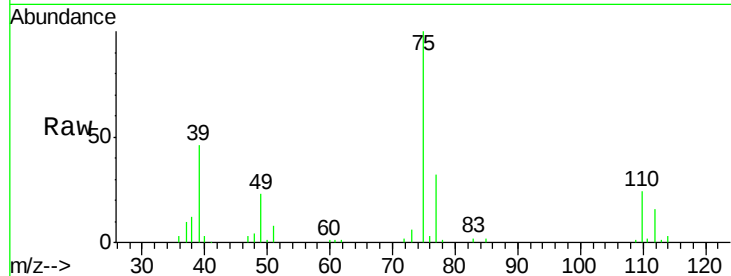
VD0424SBS01

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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

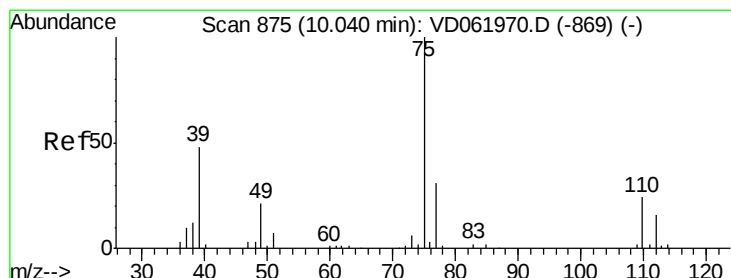
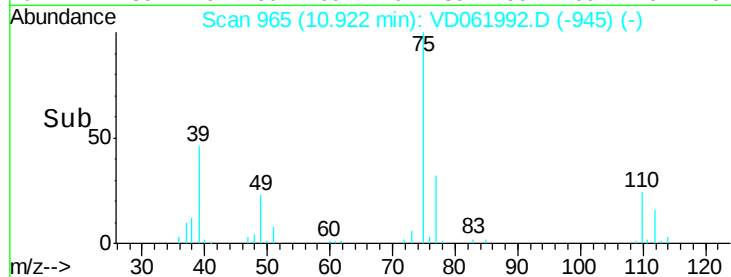
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 19.830 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

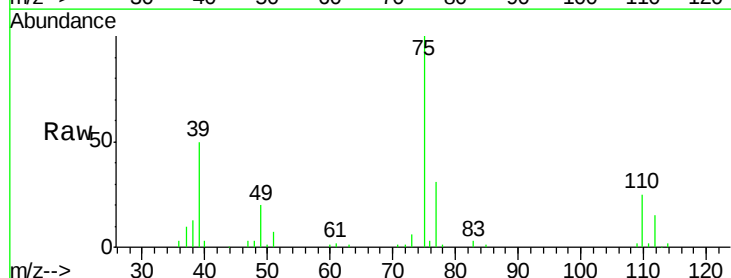
Tgt Ion: 75 Resp: 163566

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 50.5 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

80000

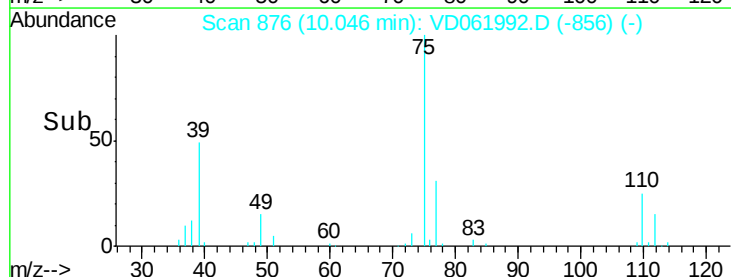
60000

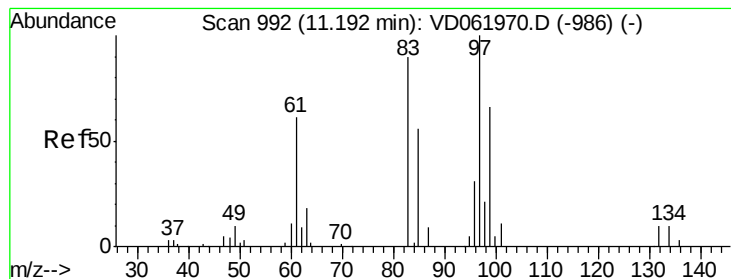
40000

20000

0

Time--> 9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 19.653 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

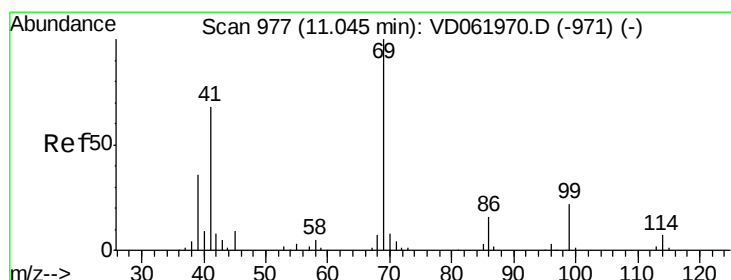
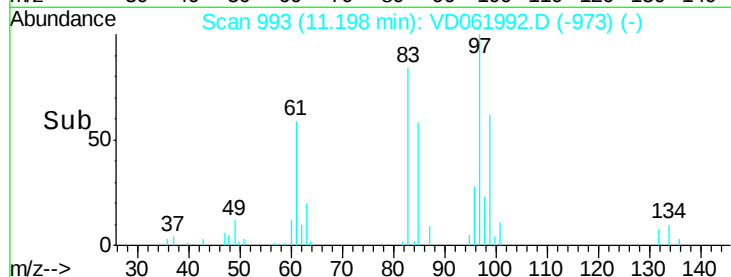
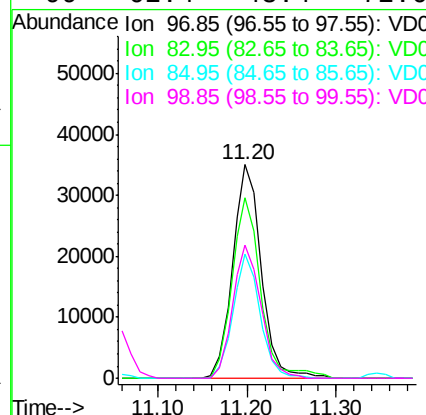
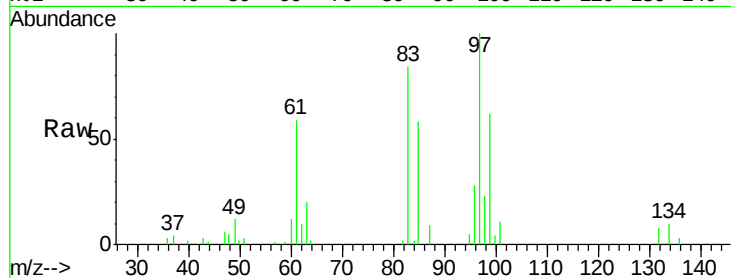
ClientSampleId :

VD0424SBS01

Tot Ion:	97	Resp:	78807
Ion	Ratio	Lower	Upper
97	100		
83	84.2	65.7	98.5
85	58.2	45.6	68.4
99	62.4	48.4	72.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.723 ug/l

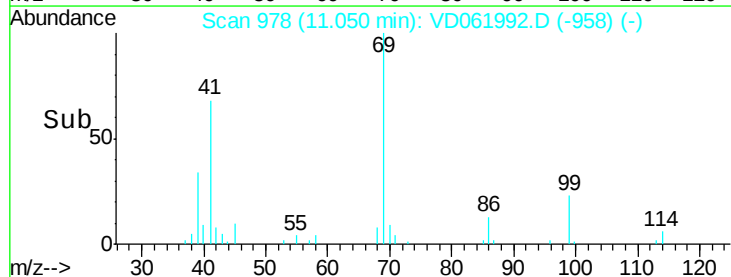
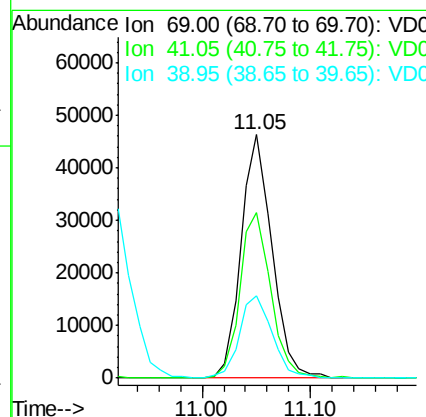
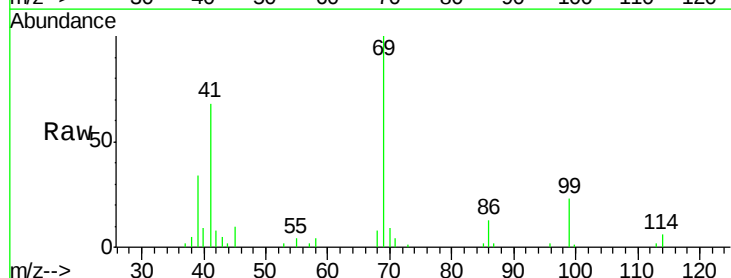
RT: 11.05 min Scan# 978

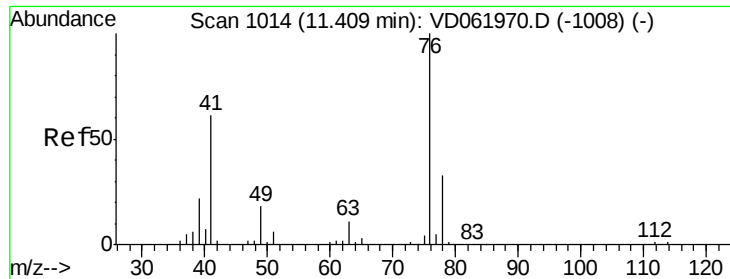
Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	69	Resp:	92032
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.3	84.5
39	33.7	29.4	44.2





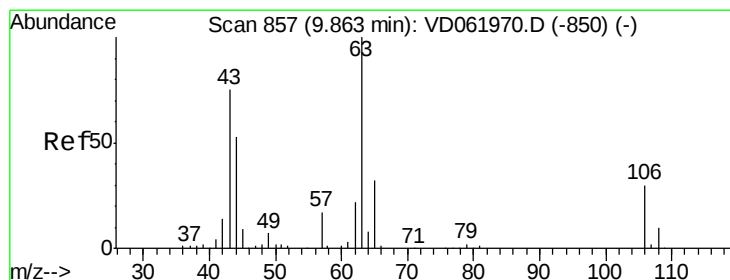
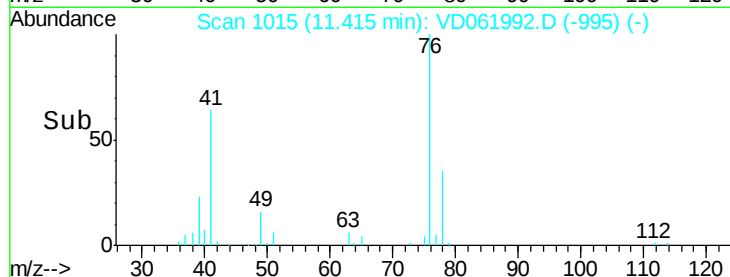
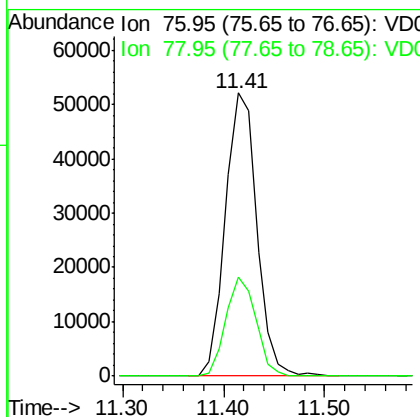
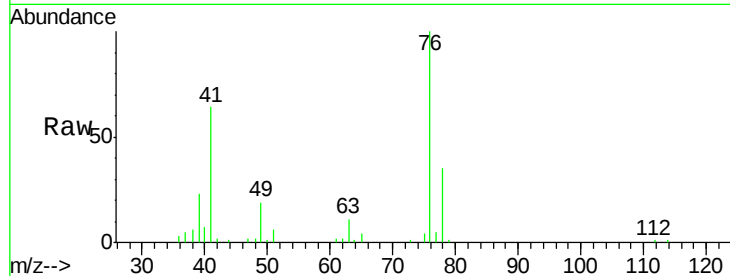
#57
 1,3-Dichloropropane
 Concen: 18.259 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion: 76 Resp: 113081
 Ion Ratio Lower Upper
 76 100
 78 35.1 26.2 39.2

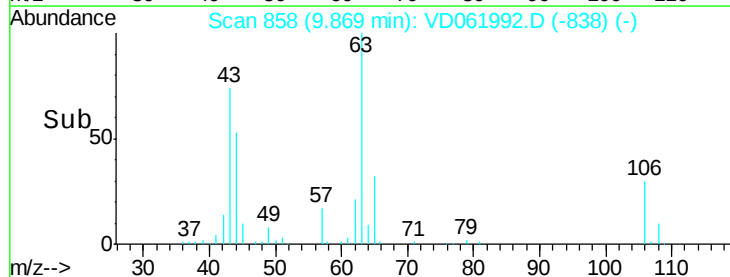
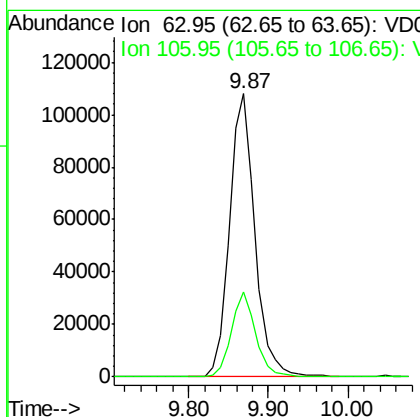
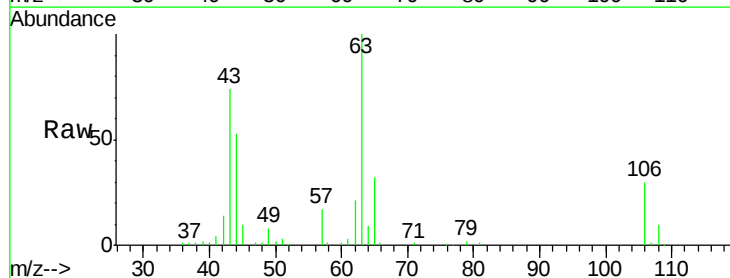
Manual Integrations
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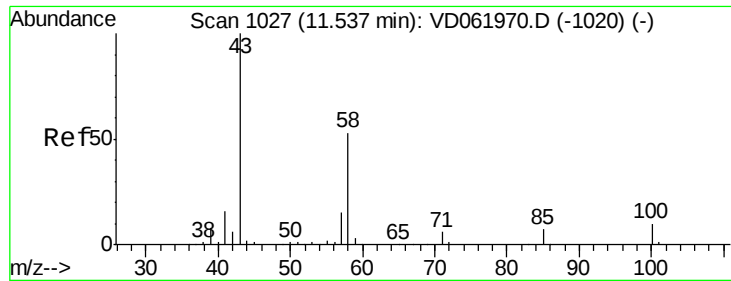
MMDadoda
 4/26/2019 9:20:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.606 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 63 Resp: 240766
 Ion Ratio Lower Upper
 63 100
 106 30.2 22.6 34.0





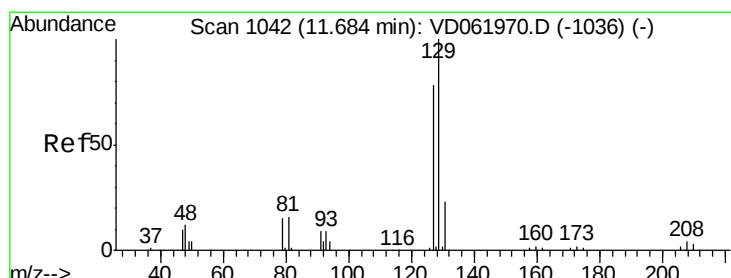
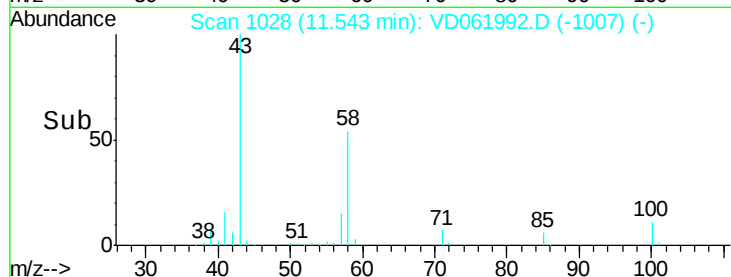
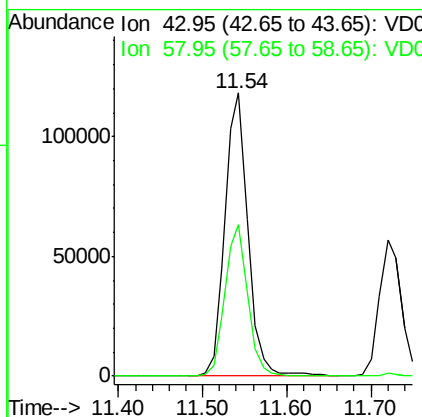
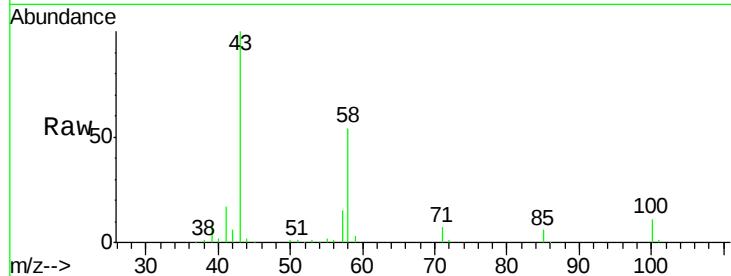
#59
2-Hexanone
Concen: 103.496 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tot Ion: 43 Resp: 223690
Ion Ratio Lower Upper
43 100
58 53.7 25.4 76.4

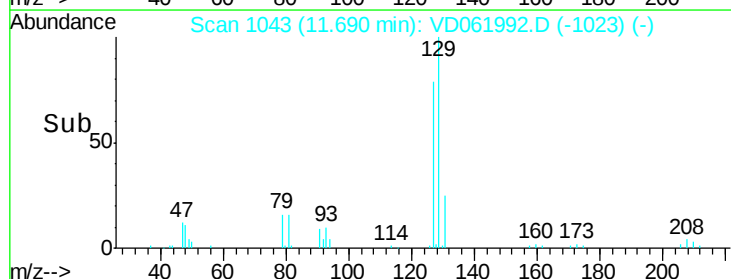
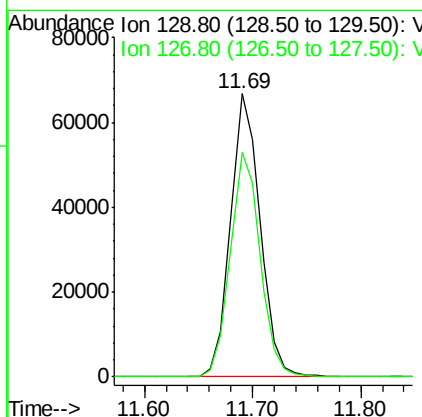
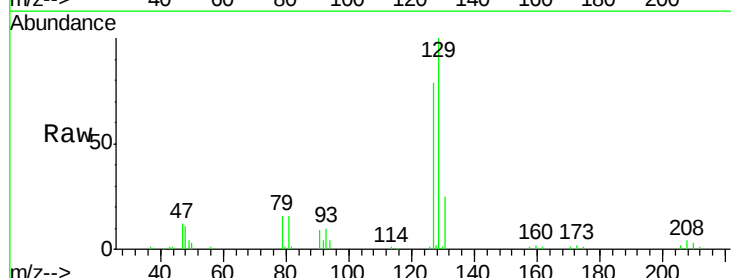
Manual Integrations
APPROVED

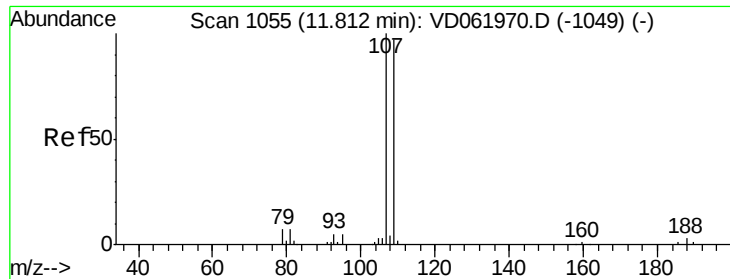
MMDadoda
4/26/2019 9:20:38 AM



#60
Dibromochloromethane
Concen: 19.206 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 129 Resp: 127426
Ion Ratio Lower Upper
129 100
127 79.5 38.0 113.9





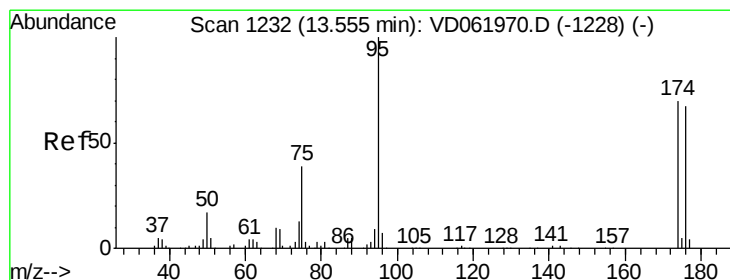
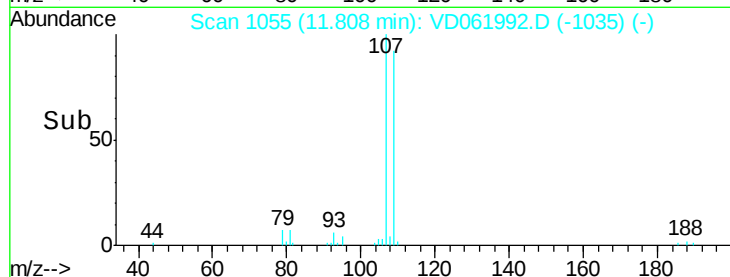
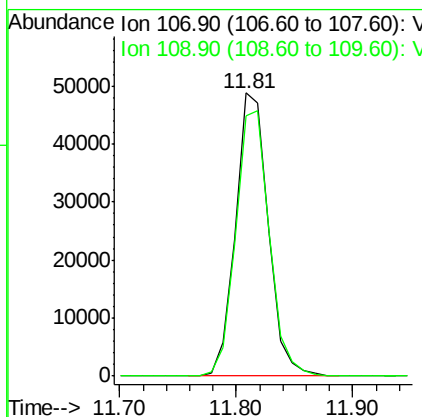
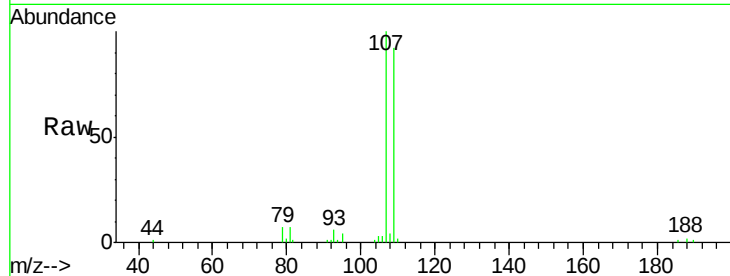
#61
 1,2-Dibromoethane
 Concen: 19.891 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

Tot Ion: 107 Resp: 94617
 Ion Ratio Lower Upper
 107 100
 109 91.9 78.3 117.5

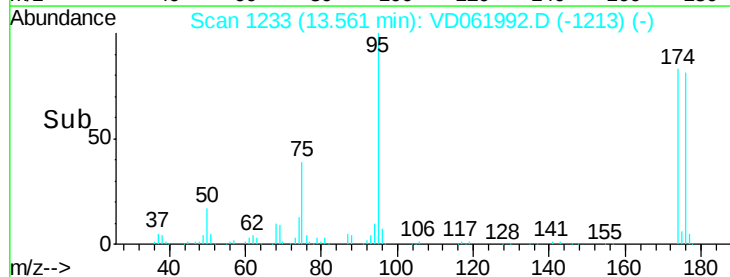
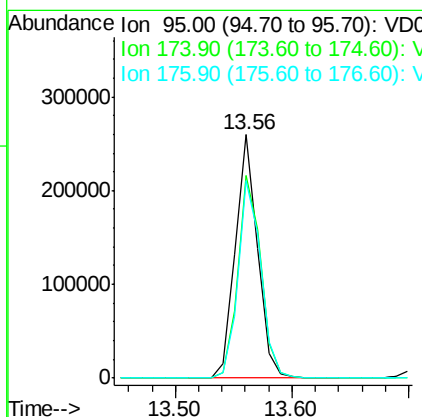
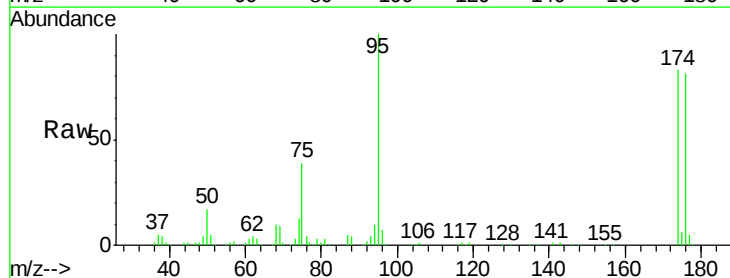
Manual Integrations
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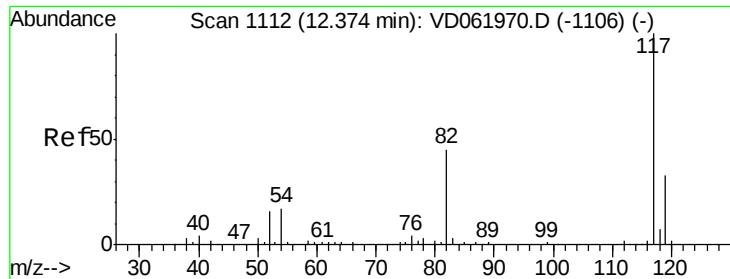
MMDadoda
 4/26/2019 9:20:38 AM



#62
 4-Bromofluorobenzene
 Concen: 53.385 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 95 Resp: 342220
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 181.8
 176 81.0 0.0 174.4





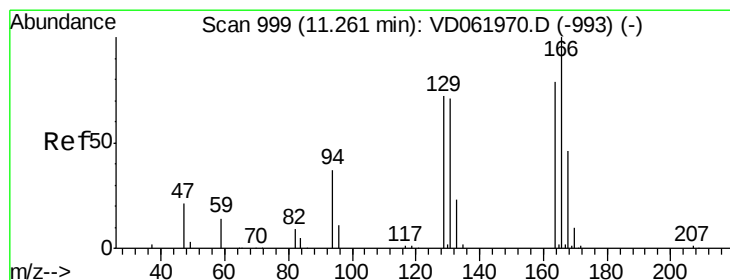
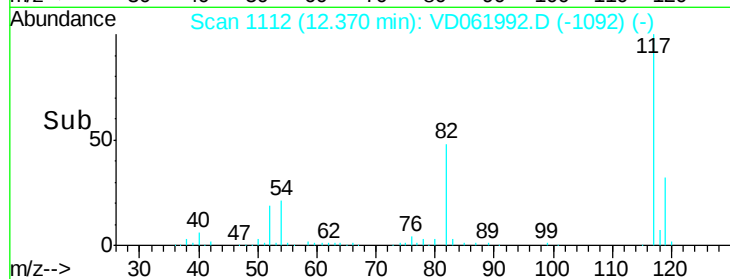
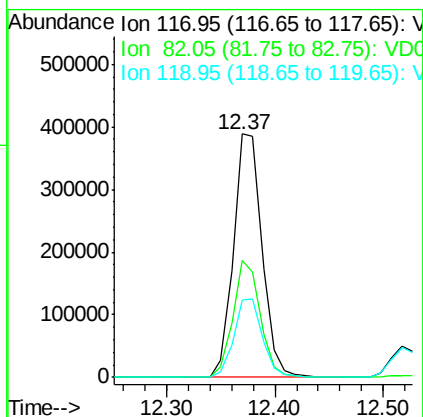
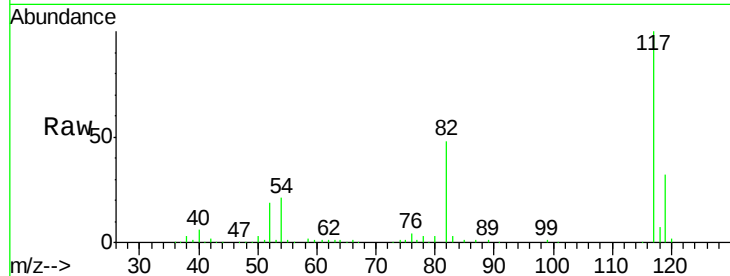
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	36.2	54.2
119	31.7	26.2	39.4

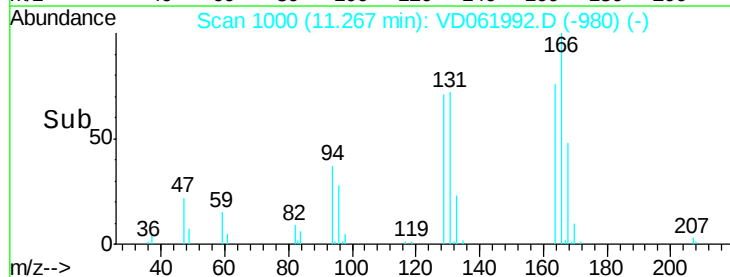
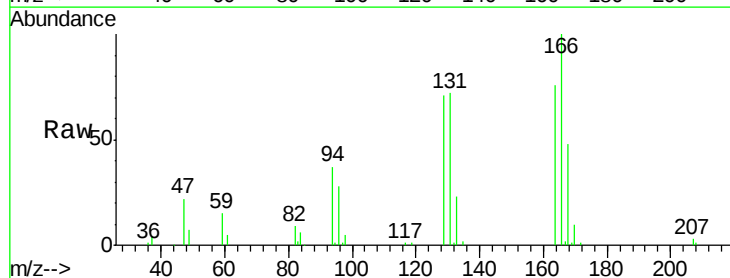
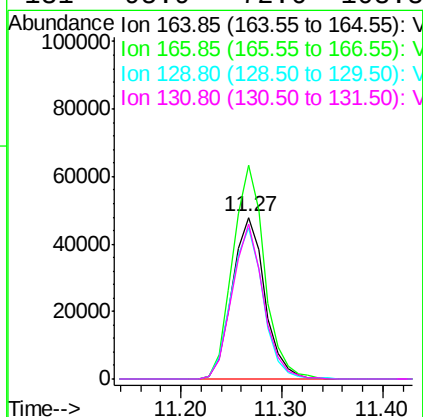
Manual Integrations
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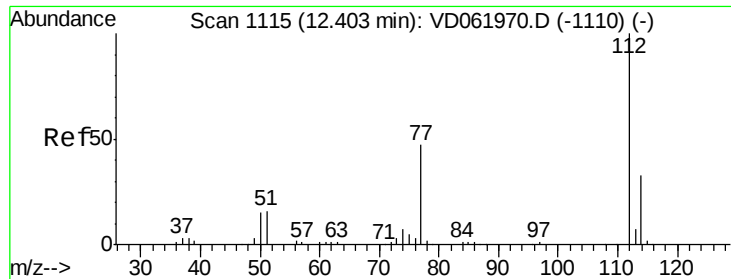
MMDadoda
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#64
Tetrachloroethene
Concen: 21.123 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.5	152.3
129	93.5	74.6	112.0
131	95.9	72.6	108.8





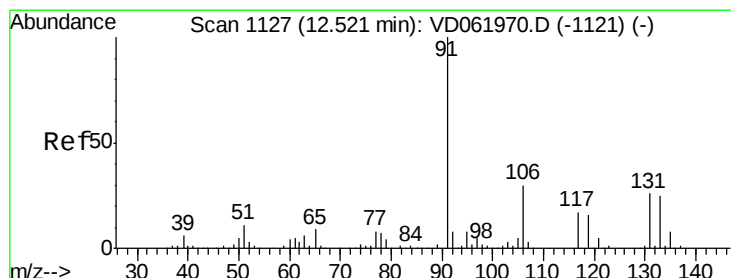
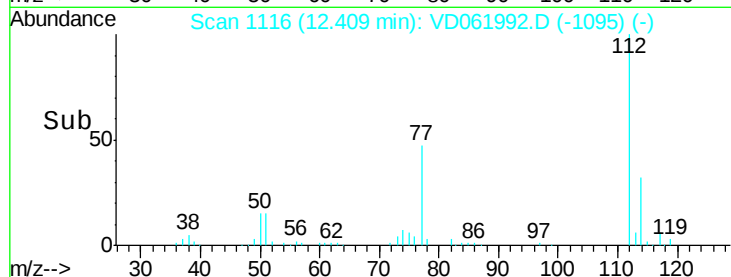
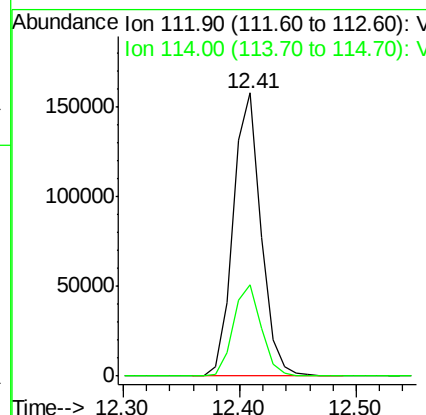
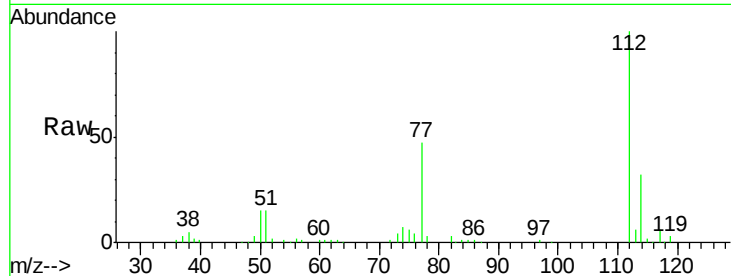
#65
Chlorobenzene
Concen: 19.353 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion:112 Resp: 260967
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

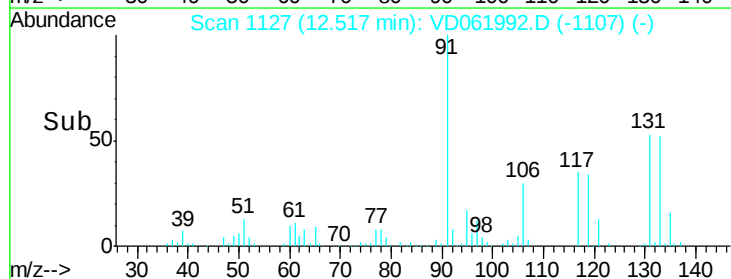
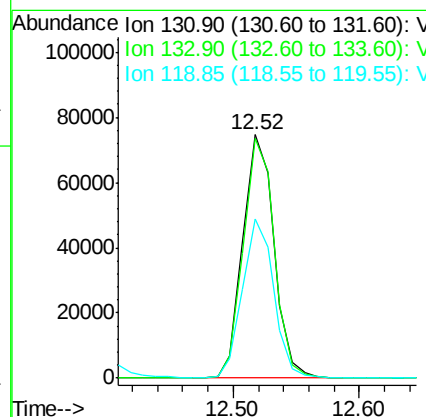
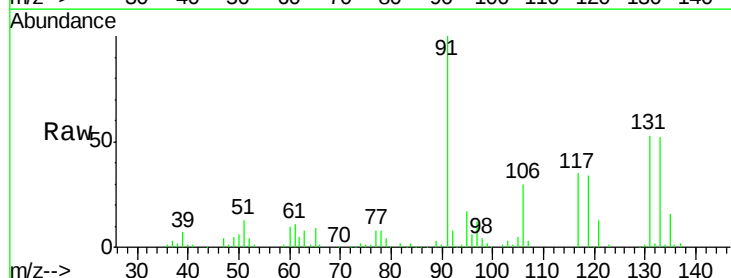
Manual Integrations
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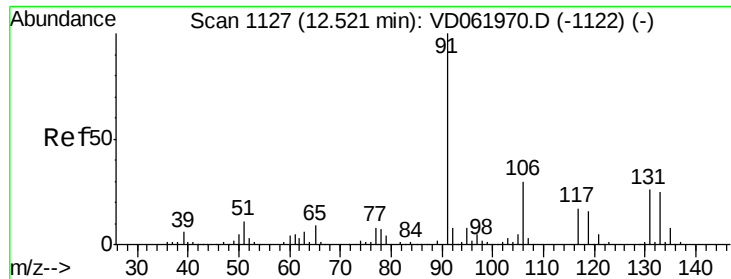
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.312 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:131 Resp: 127624
Ion Ratio Lower Upper
131 100
133 98.3 48.6 145.8
119 65.1 34.7 104.1





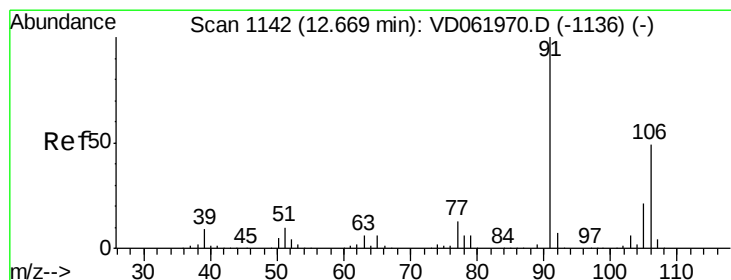
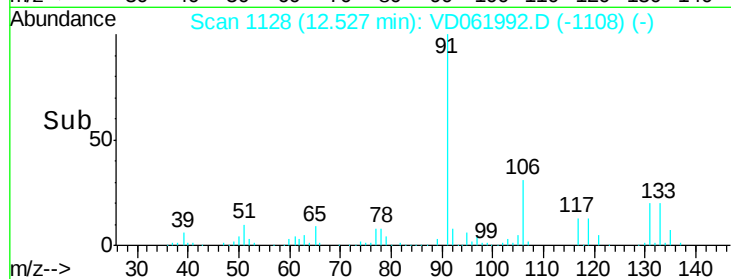
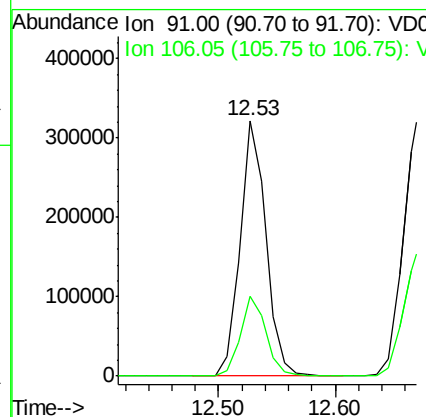
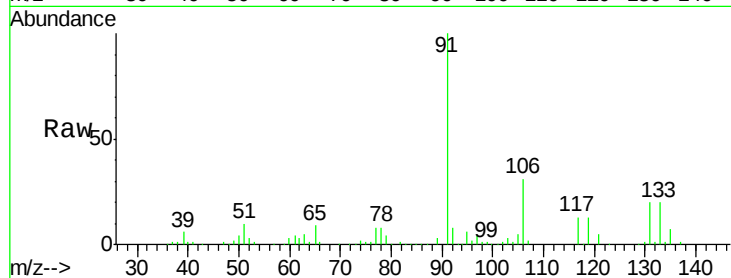
#67
Ethyl Benzene
Concen: 22.393 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion: 91 Resp: 492856
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1

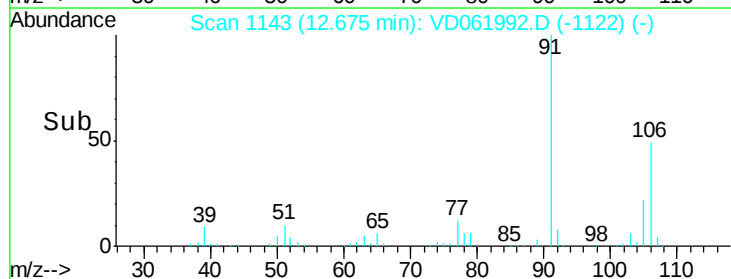
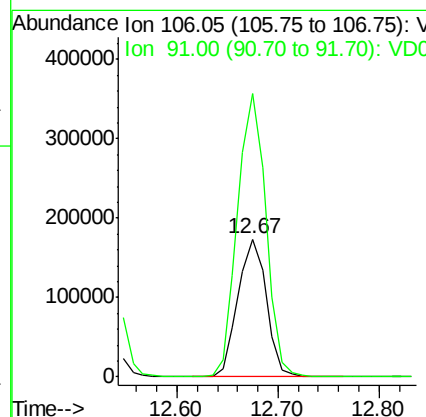
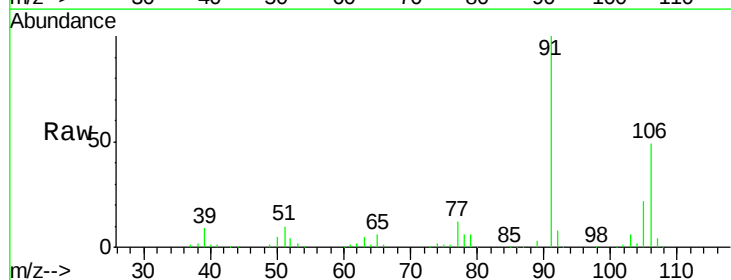
Manual Integrations
APPROVED

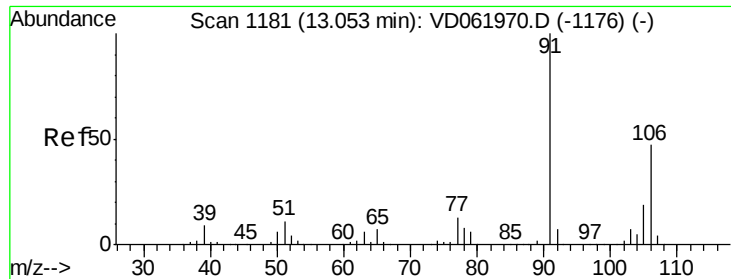
MMDadoda
4/26/2019 9:20:38 AM



#68
m/p-Xylenes
Concen: 43.049 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 106 Resp: 342446
Ion Ratio Lower Upper
106 100
91 205.5 164.0 246.0





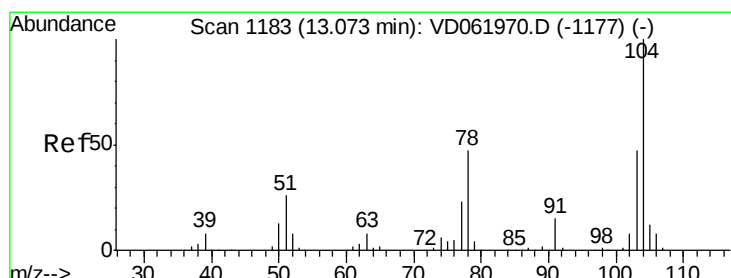
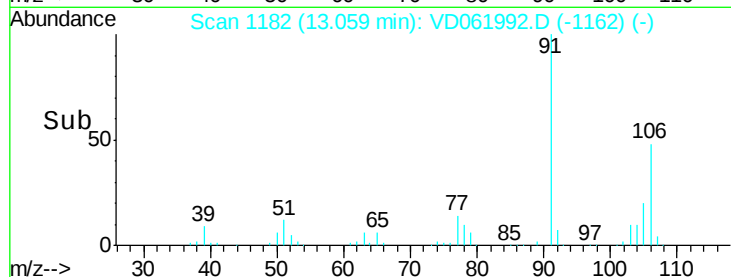
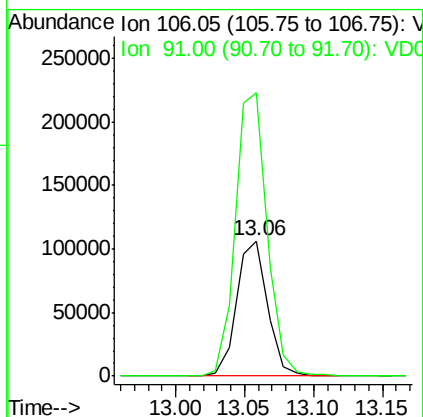
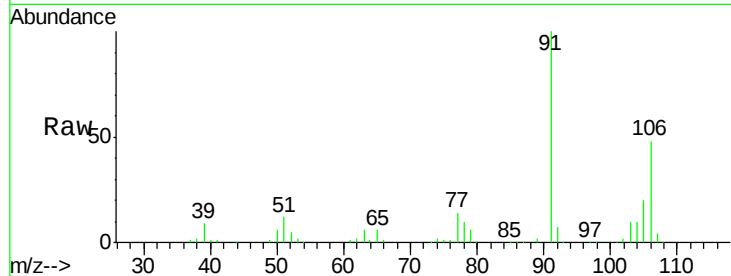
#69
o-Xylene
Concen: 22.728 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion:106 Resp: 165424
Ion Ratio Lower Upper
106 100
91 208.9 106.7 319.9

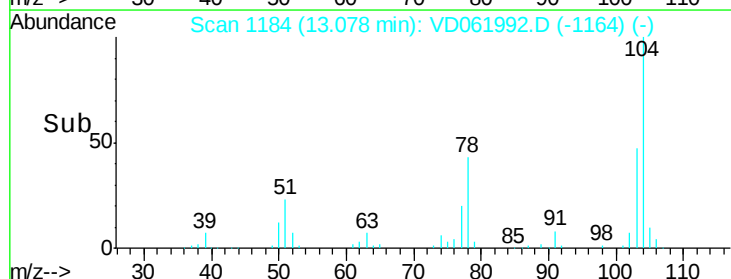
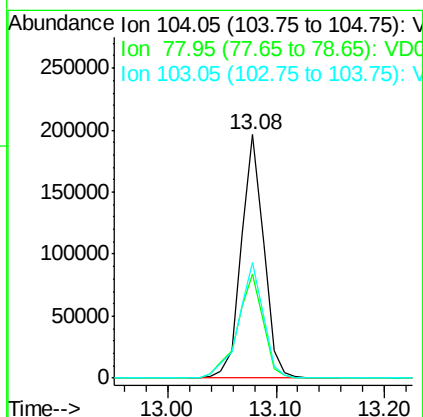
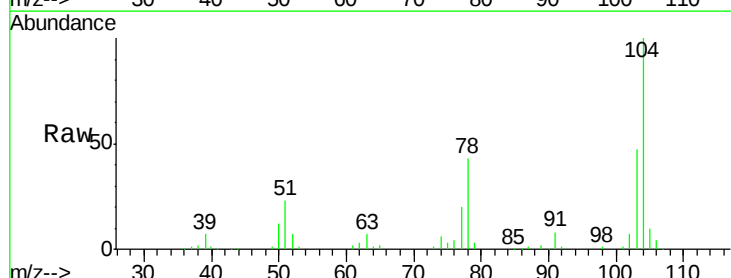
Manual Integrations
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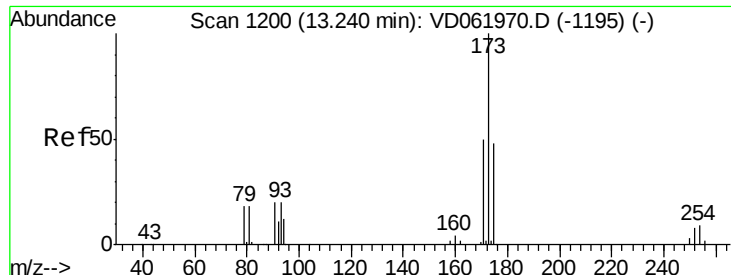
MMDadoda
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#70
Styrene
Concen: 22.479 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:104 Resp: 282510
Ion Ratio Lower Upper
104 100
78 42.6 35.4 53.2
103 47.5 37.5 56.3





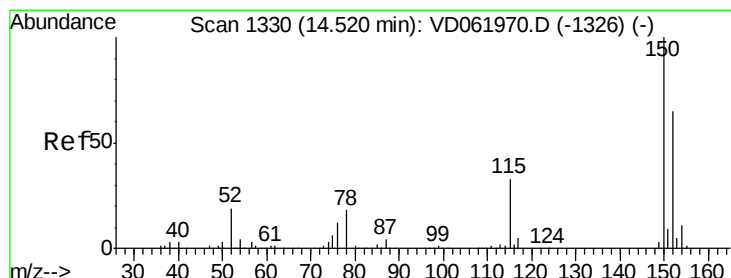
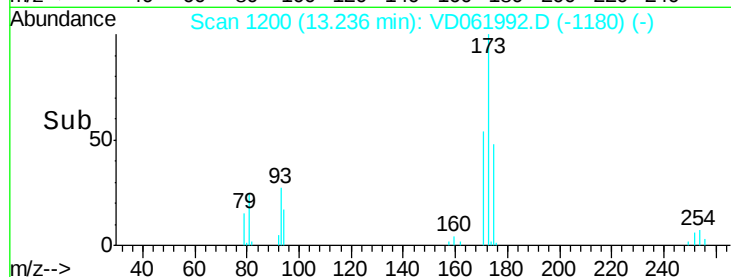
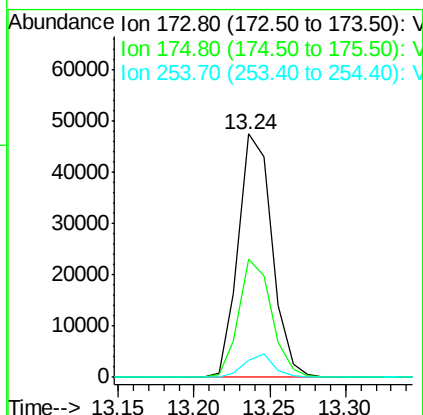
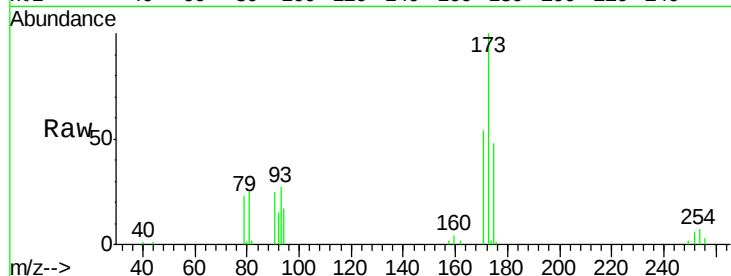
#71
Bromoform
Concen: 22.726 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	6.8	5.4	8.2

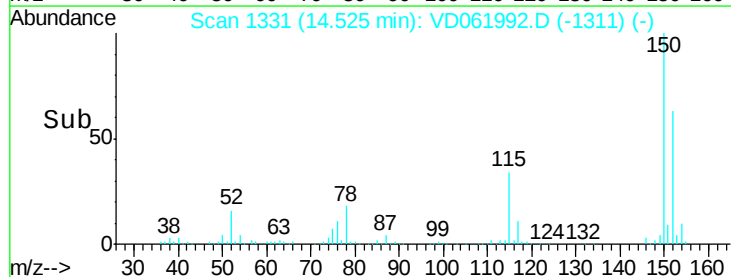
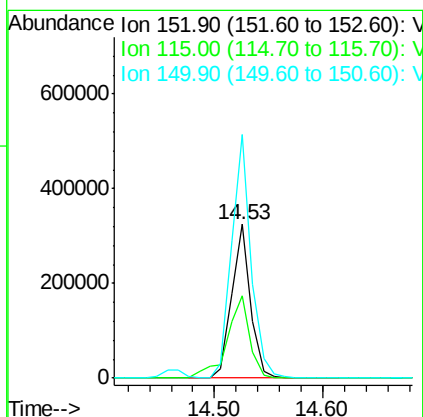
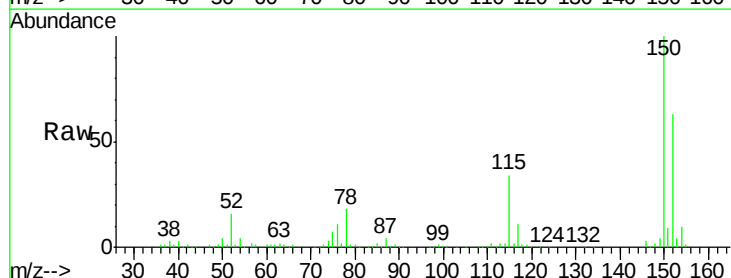
Manual Integrations
APPROVED

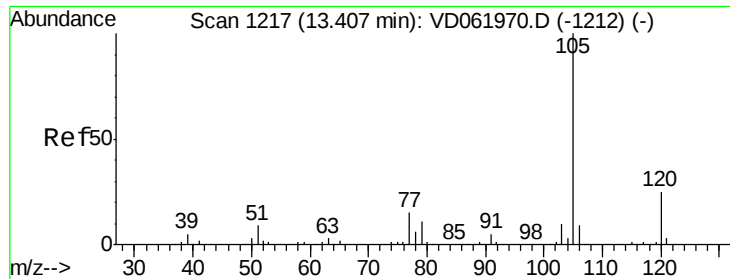
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	30.9	92.7
150	158.7	0.0	314.8





#73

Isopropylbenzene

Concen: 16.531 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion: 105 Resp: 433687

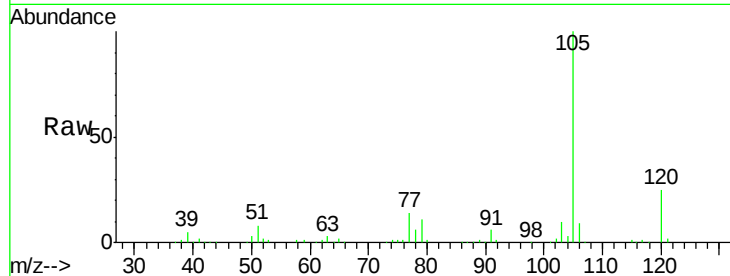
Ion Ratio Lower Upper

105 100

120 25.3 12.0 36.1

Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

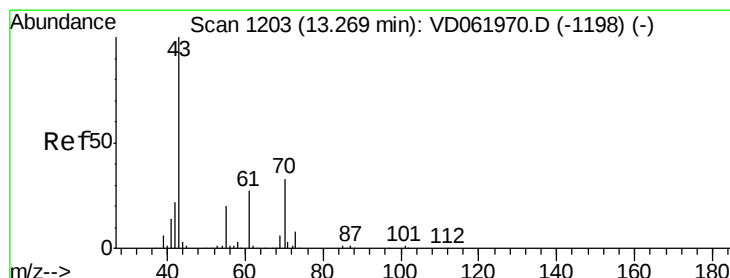
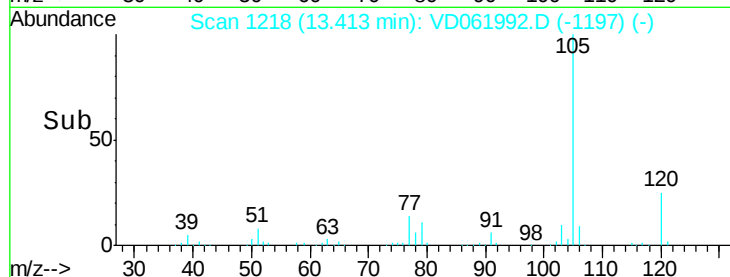
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 17.739 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion: 43 Resp: 119852

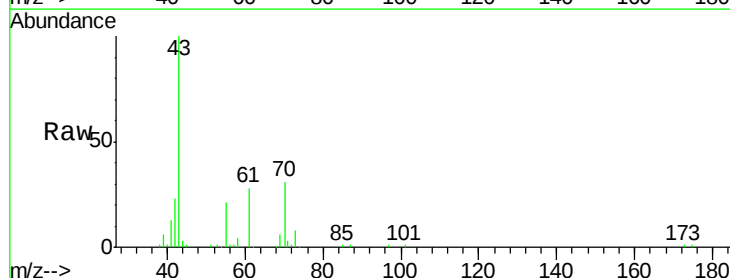
Ion Ratio Lower Upper

43 100

70 31.0 24.2 36.4

55 20.7 16.0 24.0

61 27.9 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

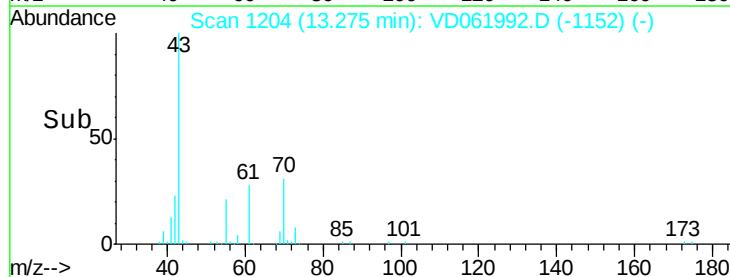
60000

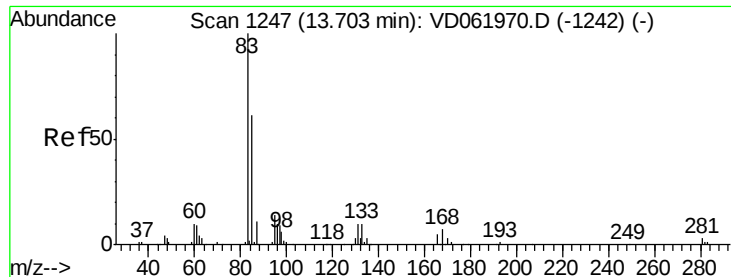
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 17.099 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

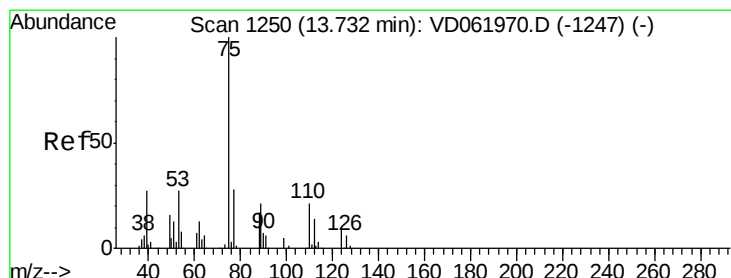
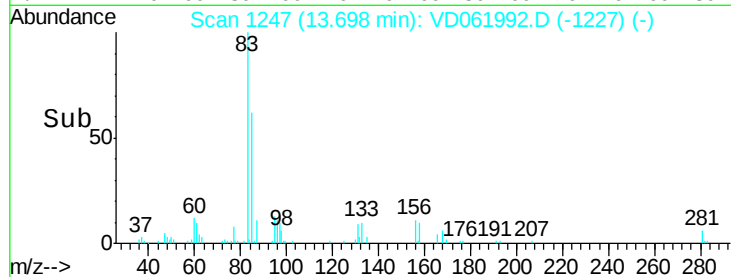
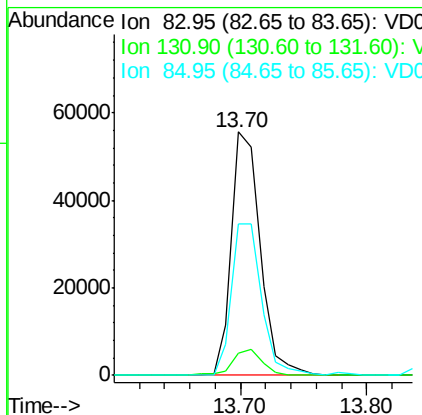
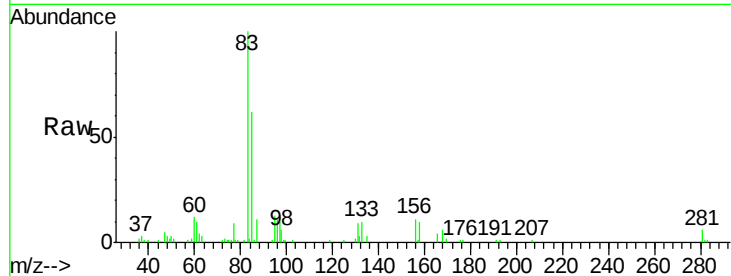
ClientSampleId :

VD0424SBS01

Tot Ion:	83	Resp:	87903
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	62.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.086 ug/l

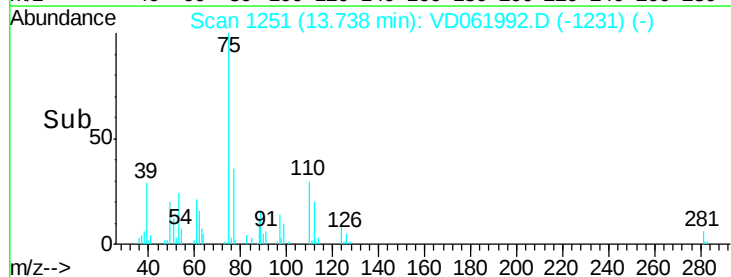
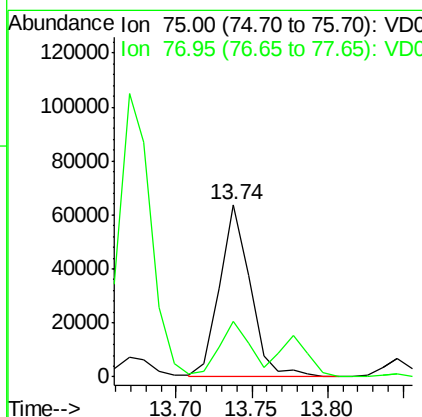
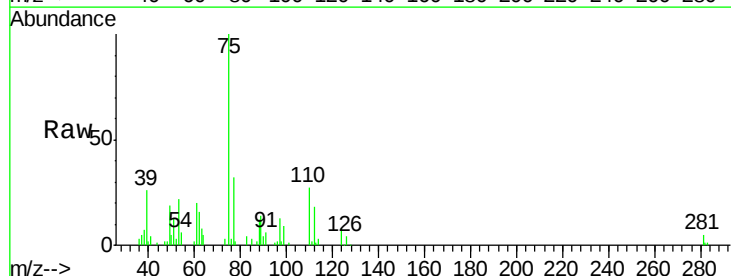
RT: 13.74 min Scan# 1251

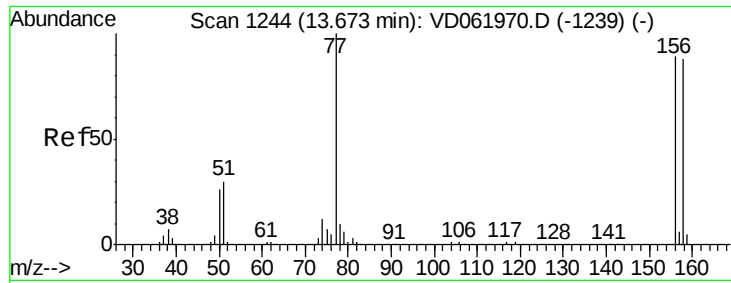
Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion:	75	Resp:	90321
Ion Ratio	Lower	Upper	
75	100		
77	32.4	16.4	49.4





#77

Bromobenzene

Concen: 17.138 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

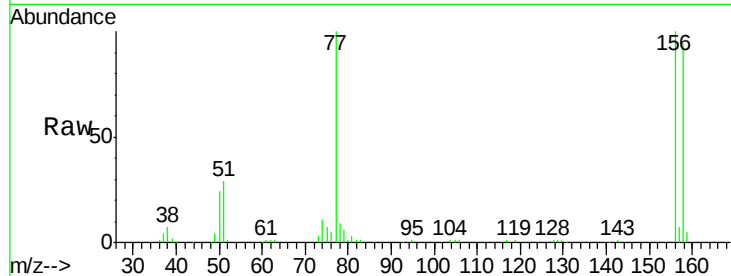
ClientSampleId :

VD0424SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		128974		
77	100.2	53.1	159.4		
158	94.0	49.4	148.0		

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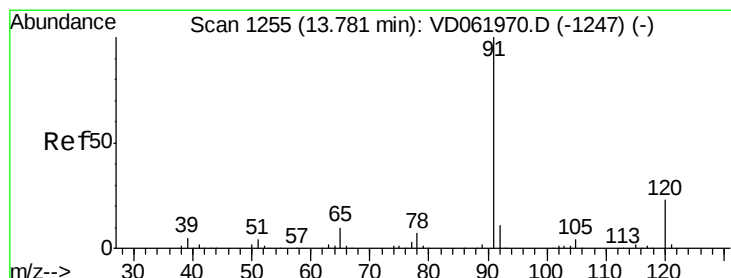
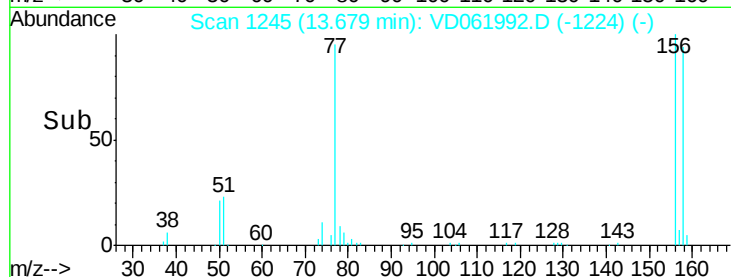
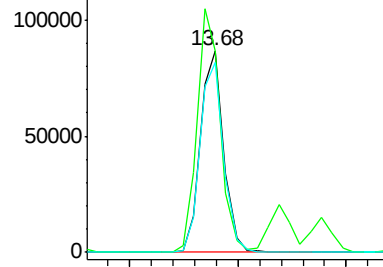
MMDadoda
4/26/2019 9:20:38 AM



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: 17.328 ug/l

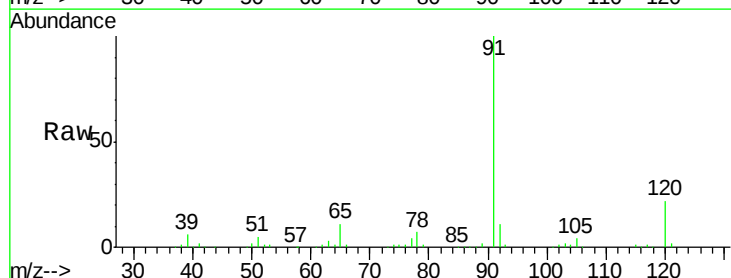
RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061992.D

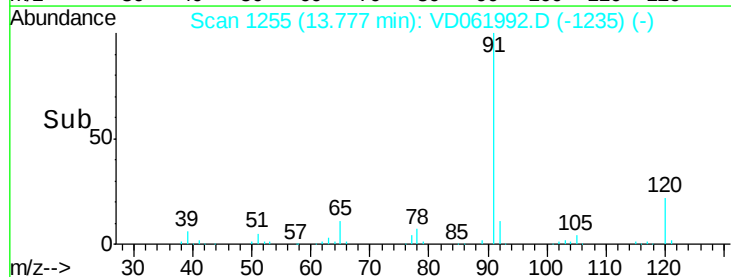
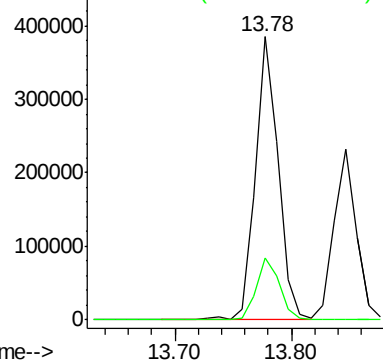
Acq: 24 Apr 2019 12:32

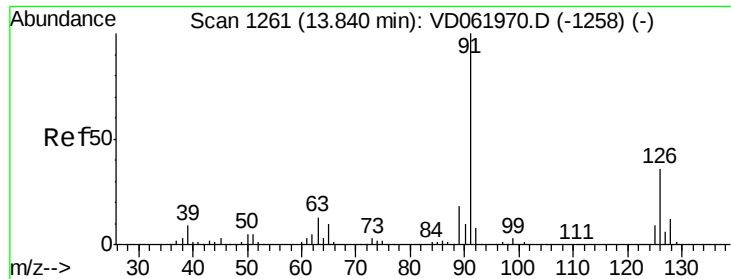
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		520389		
120	21.8	11.1	33.1		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





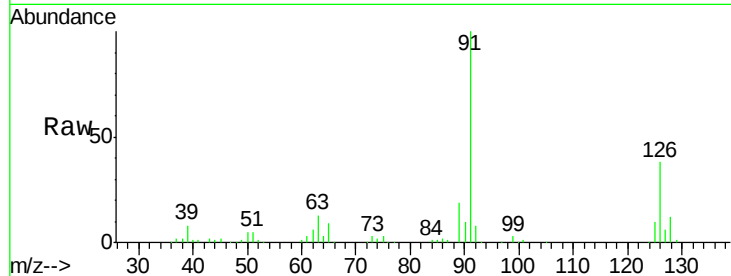
#79
 2-Chlorotoluene
 Concen: 16.932 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

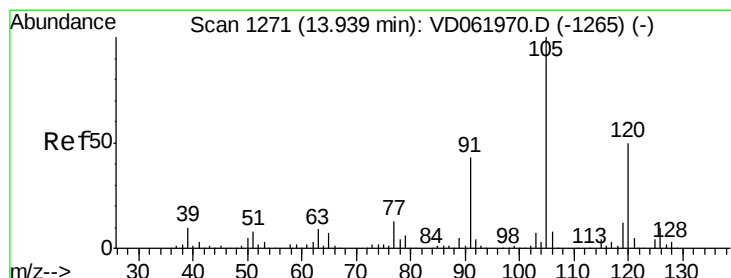
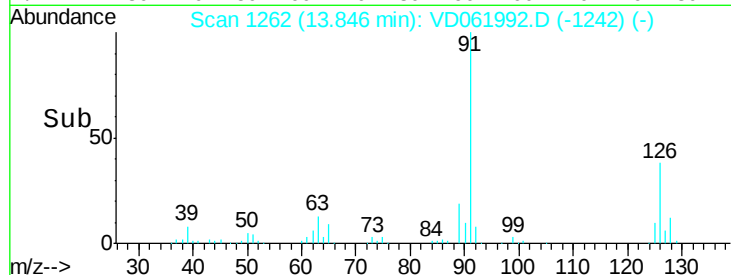
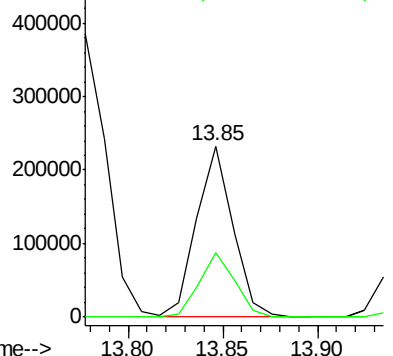
Tot Ion: 91 Resp: 308004
 Ion Ratio Lower Upper
 91 100
 126 37.9 18.6 55.8

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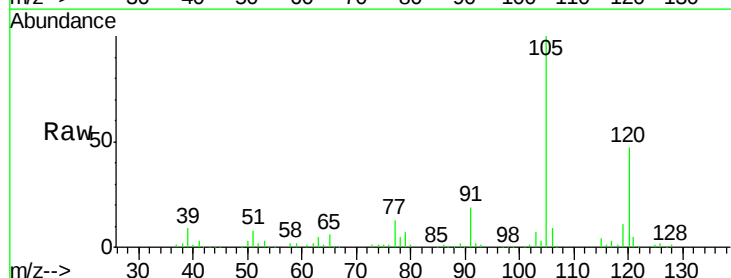


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

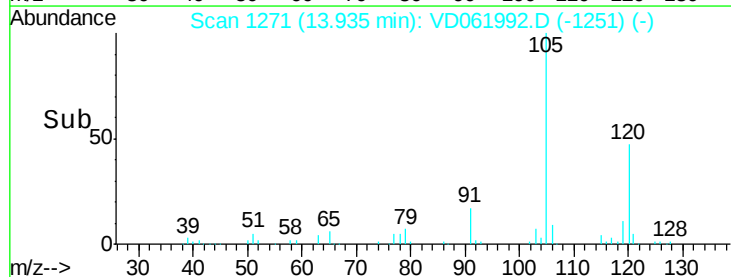
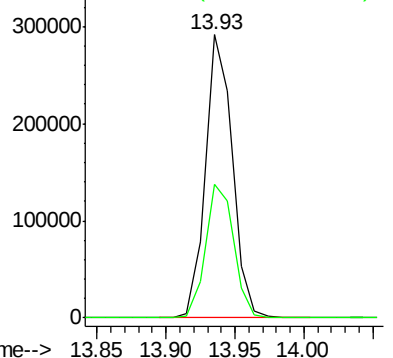


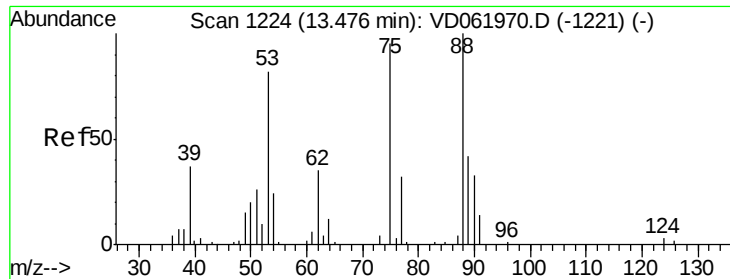
#80
 1,3,5-Trimethylbenzene
 Concen: 19.006 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:105 Resp: 397570
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)





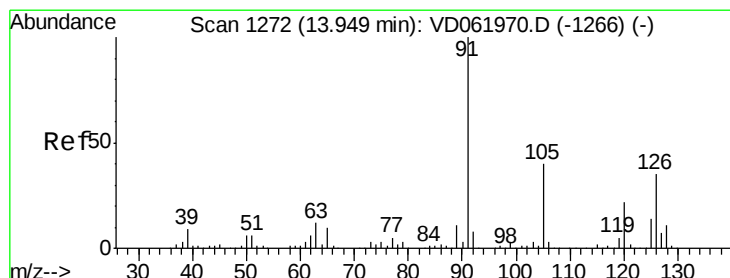
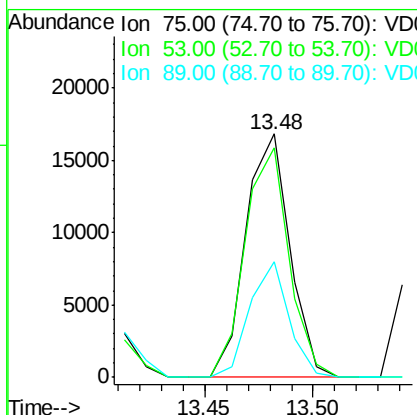
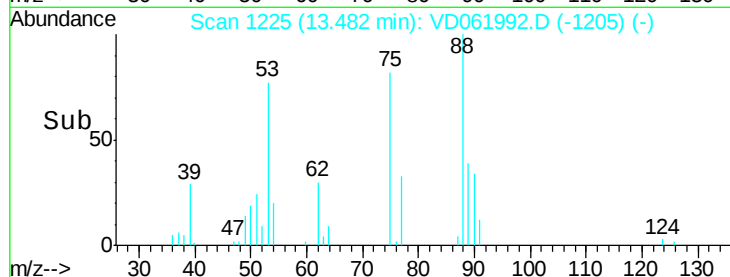
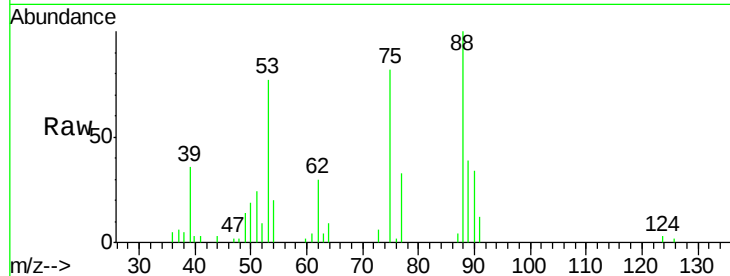
#81
trans-1,4-Dichloro-2-butene
Concen: 15.866 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.2	65.8	98.8
89	47.3	35.0	52.6

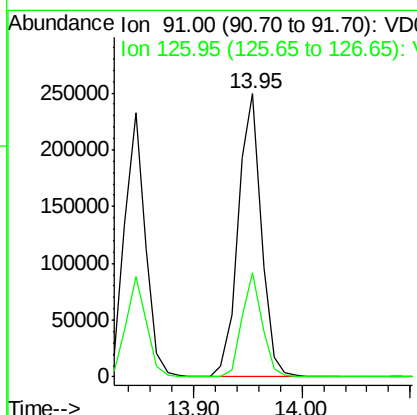
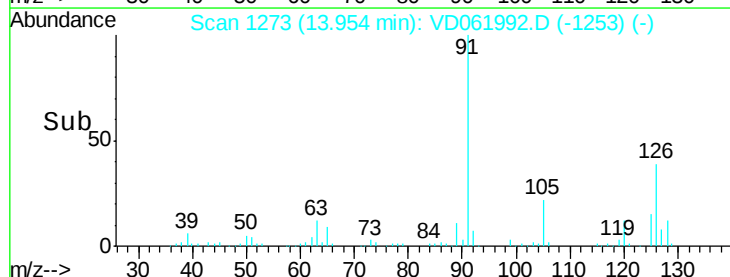
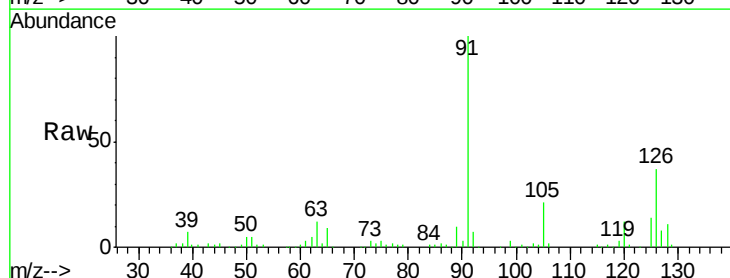
Manual Integrations
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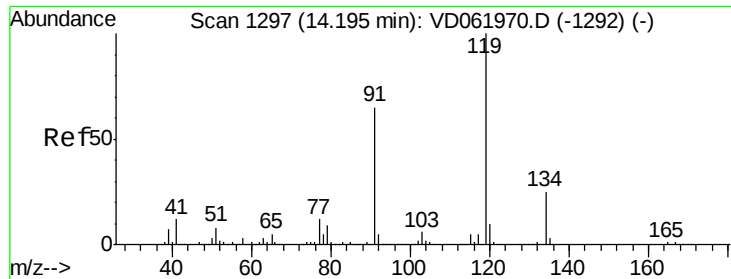
MMDadoda
4/26/2019 9:20:38 AM



#82
4-Chlorotoluene
Concen: 18.375 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.8	19.1	57.5





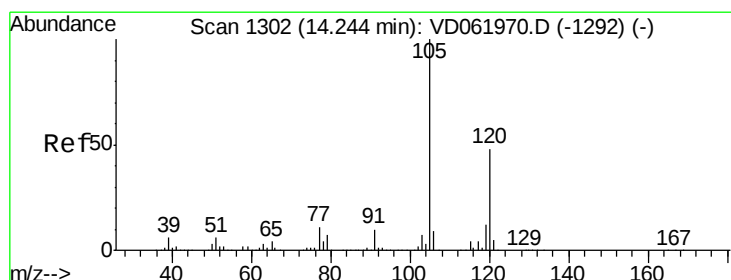
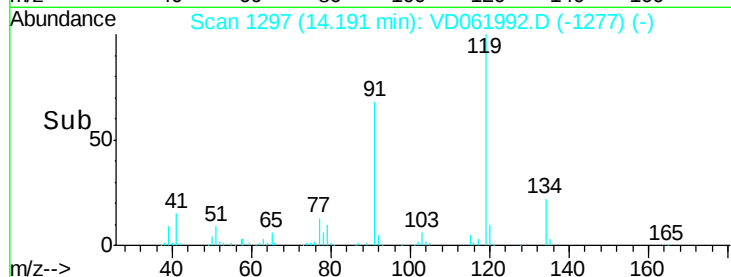
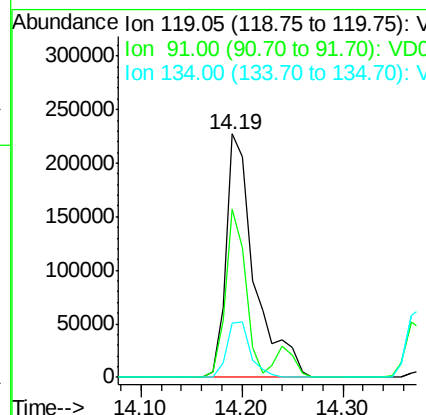
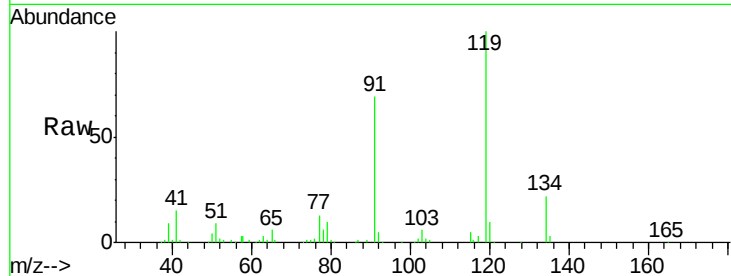
#83
tert-Butylbenzene
Concen: 18.461 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.2	102.6
134	22.4	12.0	36.0

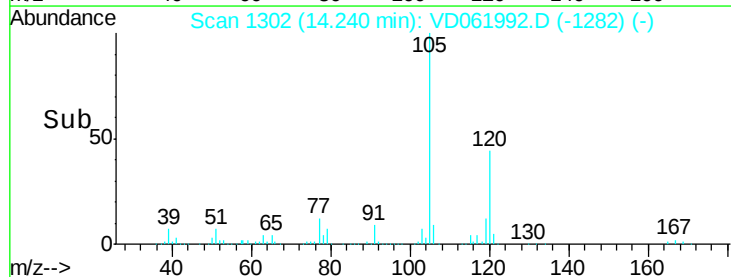
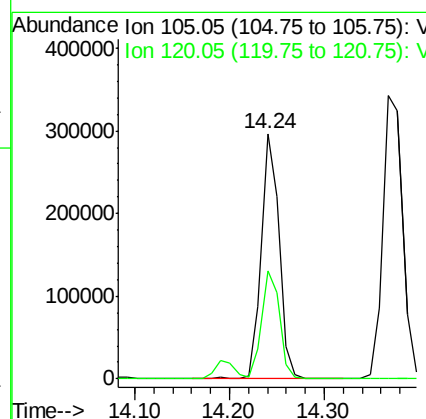
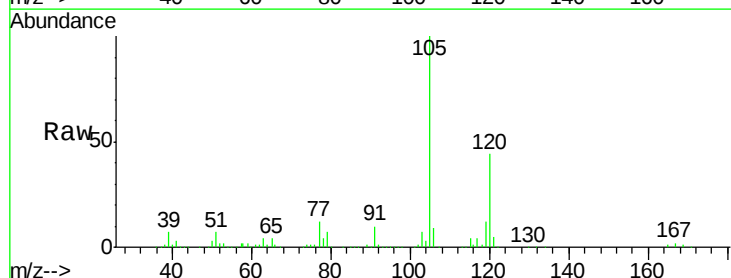
Manual Integrations
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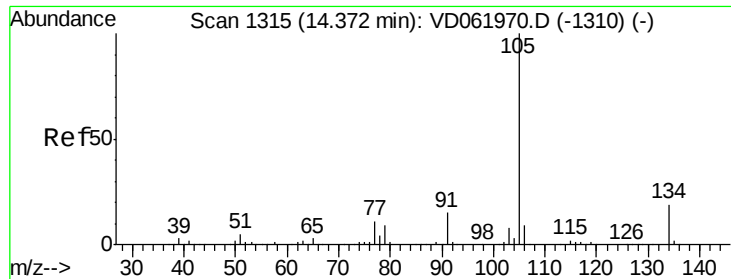
MMDadoda
4/26/2019 9:20:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.482 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.102 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

Tot Ion:105 Resp: 500161

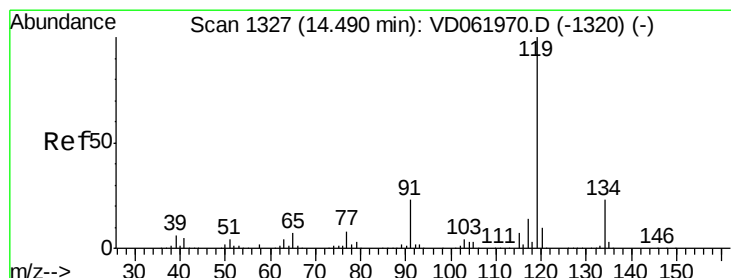
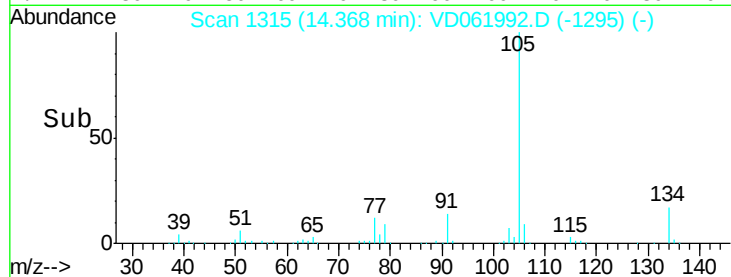
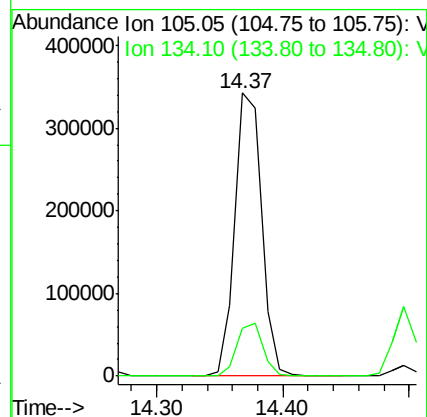
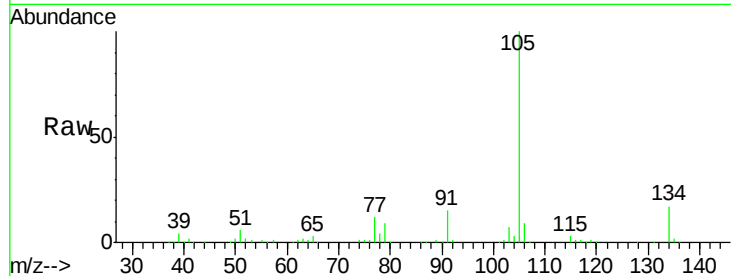
Ion Ratio Lower Upper

105 100

134 16.8 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 18.099 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

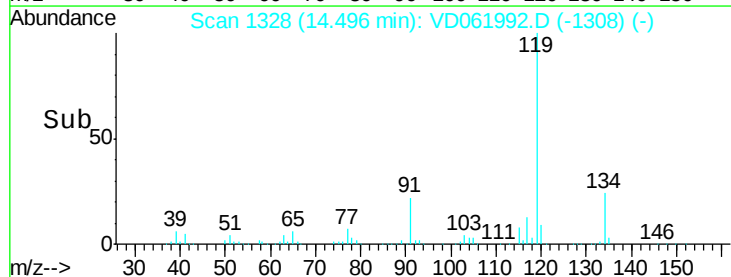
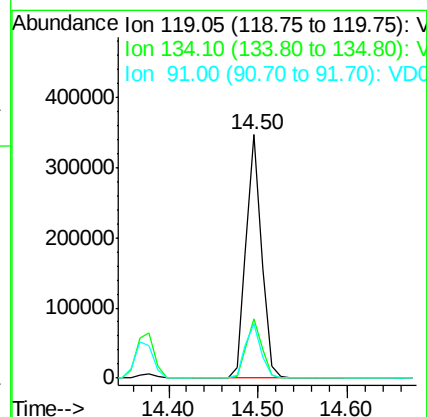
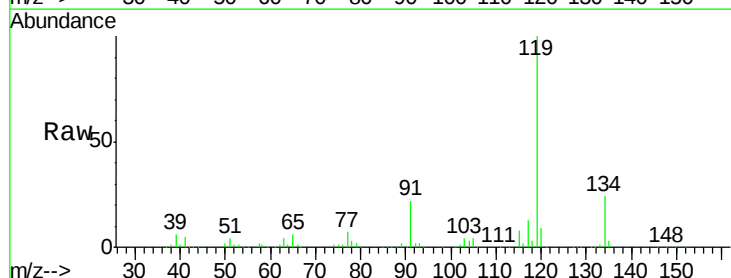
Tgt Ion:119 Resp: 424138

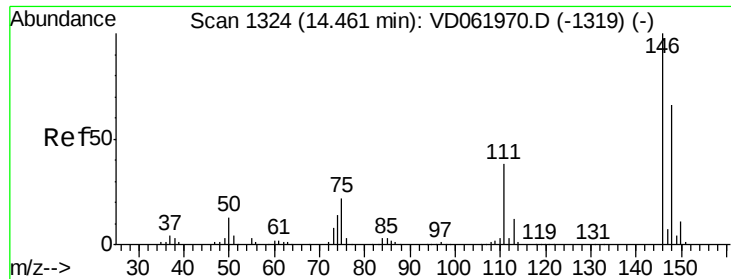
Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.3

91 22.4 10.7 32.1





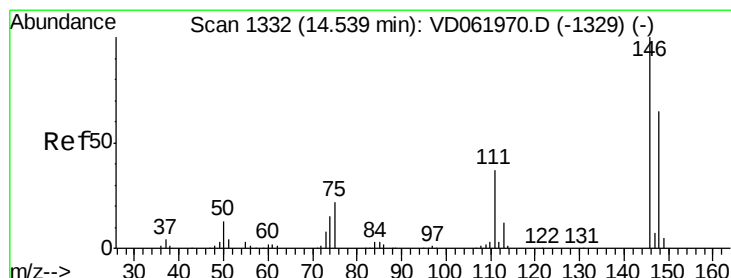
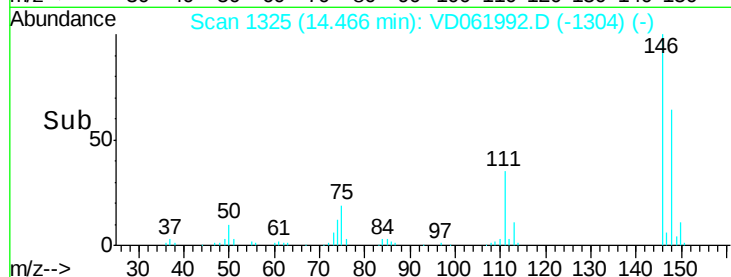
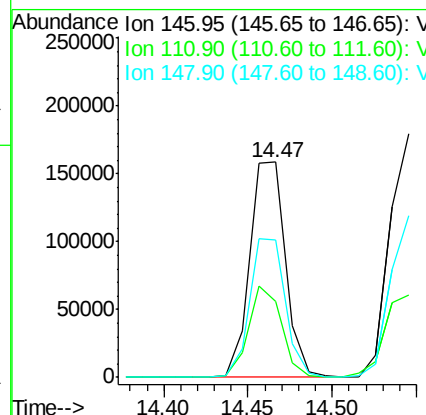
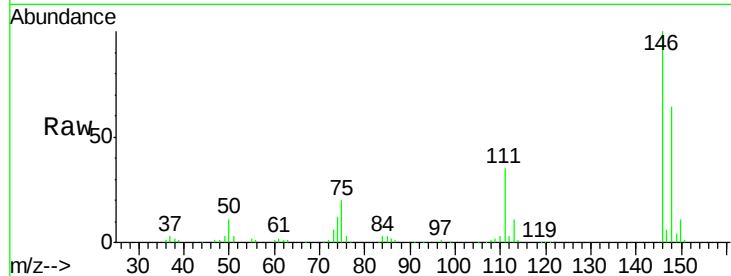
#87
 1,3-Dichlorobenzene
 Concen: 17.778 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	20.0	60.0
148	63.8	31.8	95.4

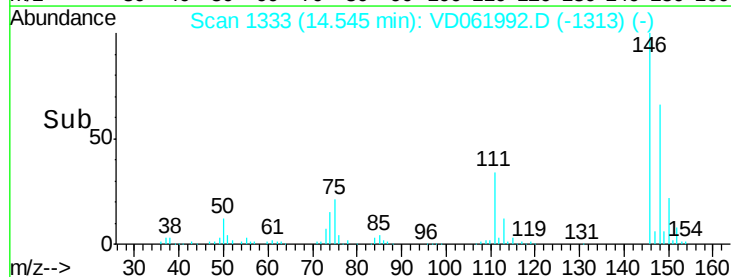
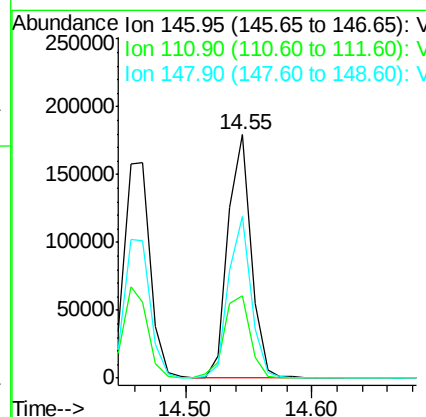
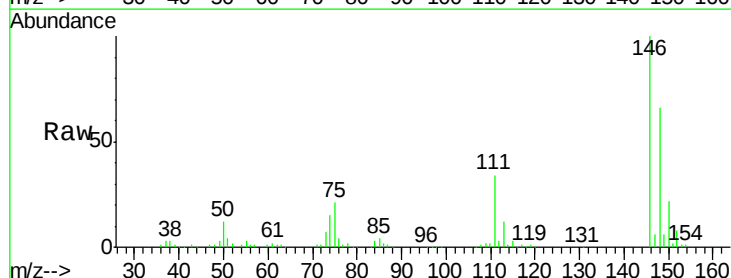
Manual Integrations
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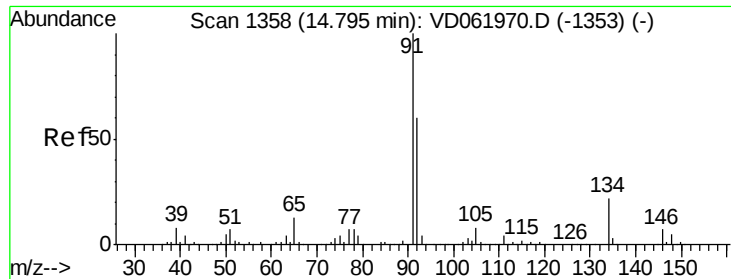
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#88
 1,4-Dichlorobenzene
 Concen: 18.546 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	20.2	60.5
148	66.5	32.0	96.2





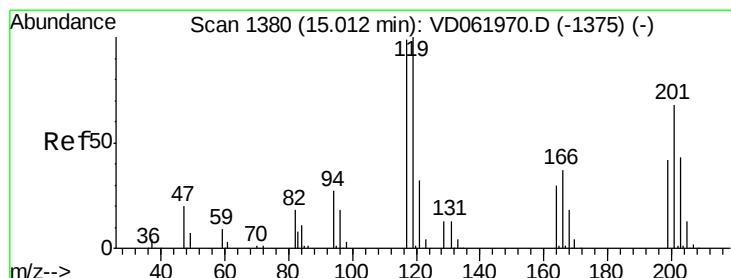
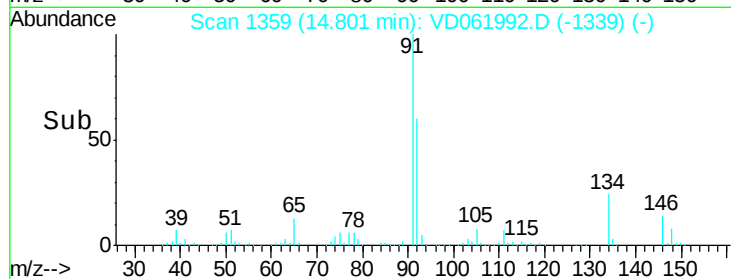
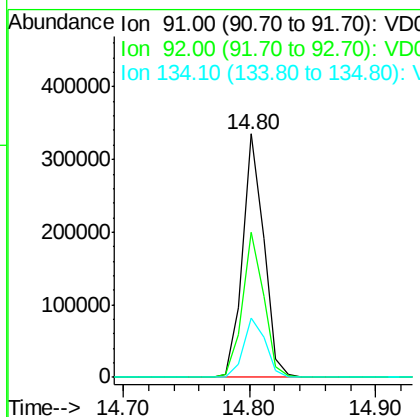
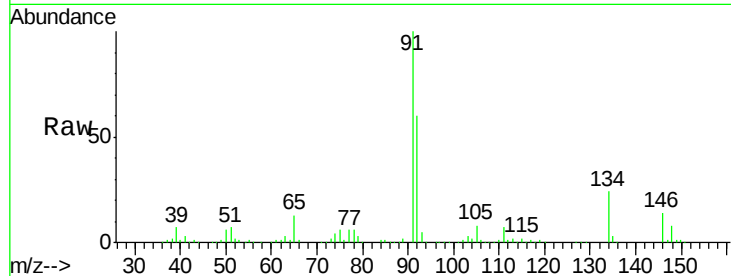
#89
n-Butylbenzene
Concen: 18.551 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	390287		
92	59.7	30.3	91.0	
134	24.4	14.5	43.6	

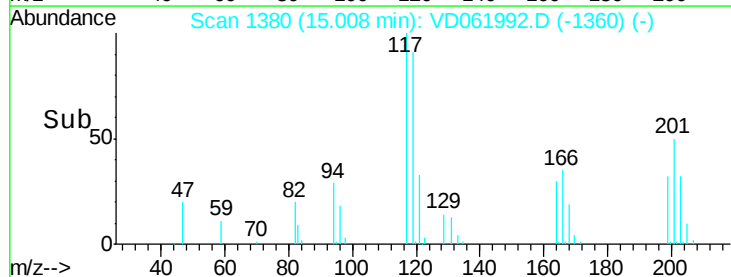
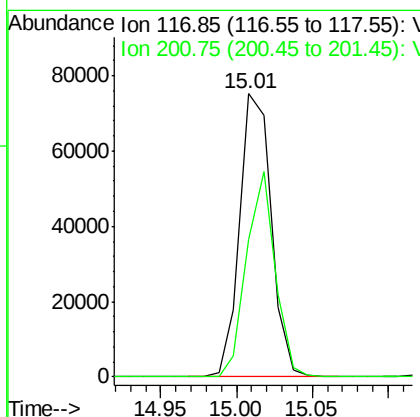
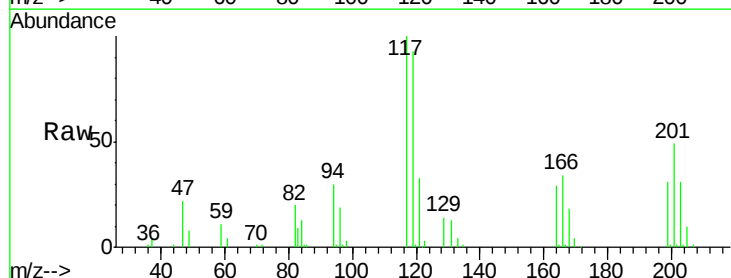
Manual Integrations
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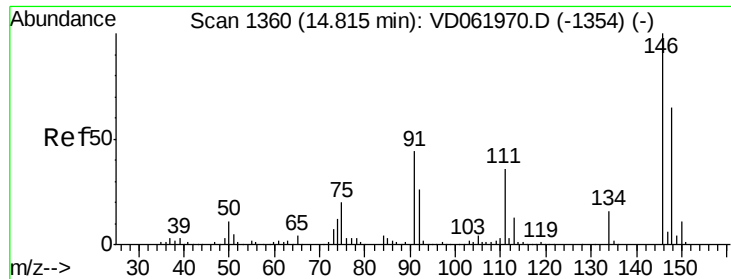
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#90
Hexachloroethane
Concen: 17.215 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109083		
201	48.7	30.2	90.6	





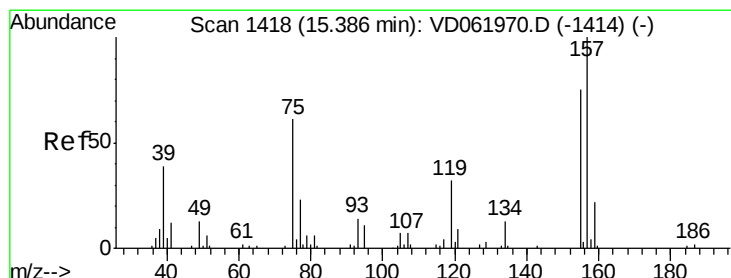
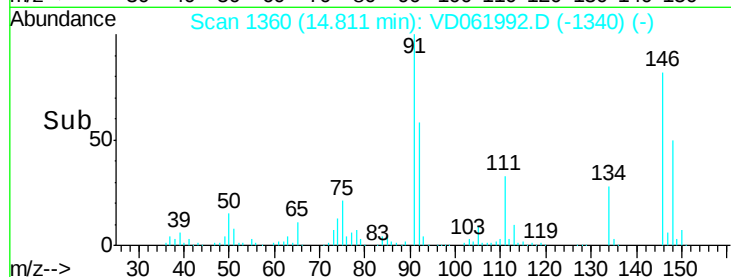
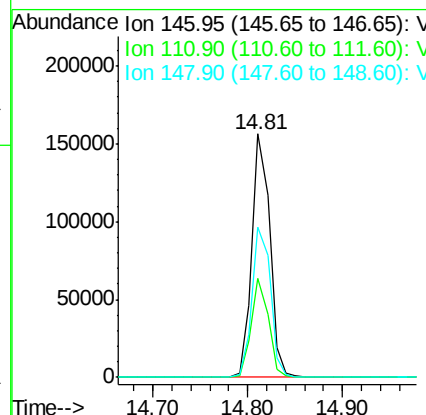
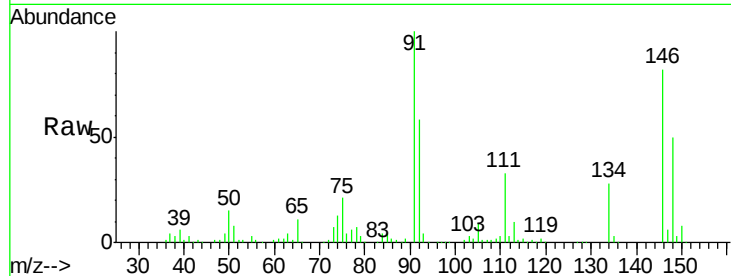
#91
 1,2-Dichlorobenzene
 Concen: 18.798 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	61.9	32.3	96.8

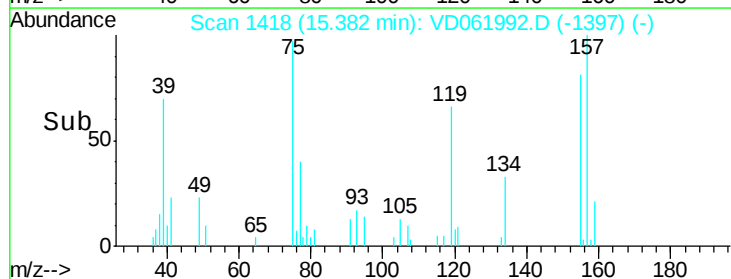
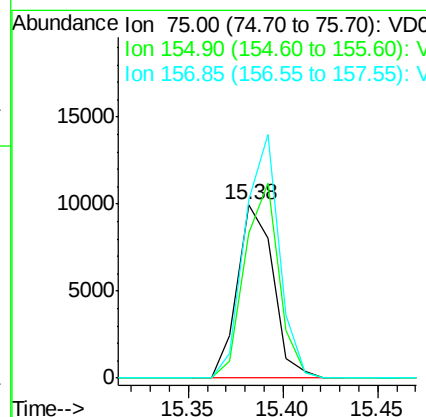
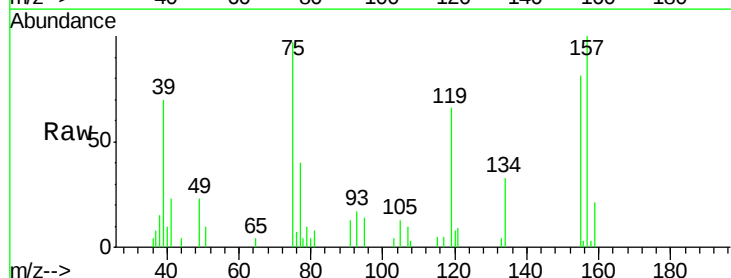
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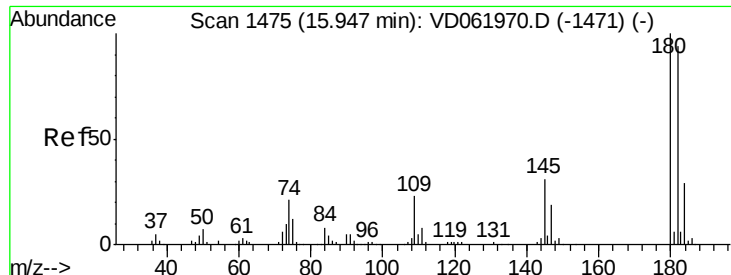
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 4/26/2019 9:20:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.811 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	55.3	165.8
157	103.1	67.8	203.2





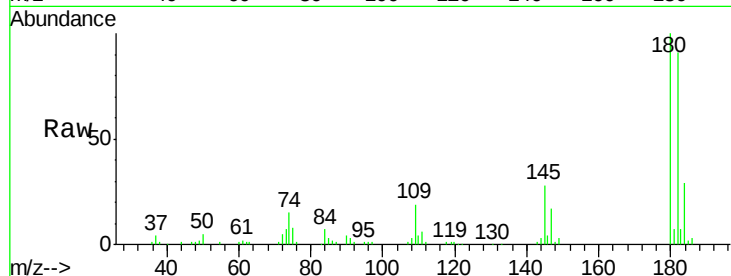
#93
 1,2,4-Trichlorobenzene
 Concen: 19.290 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

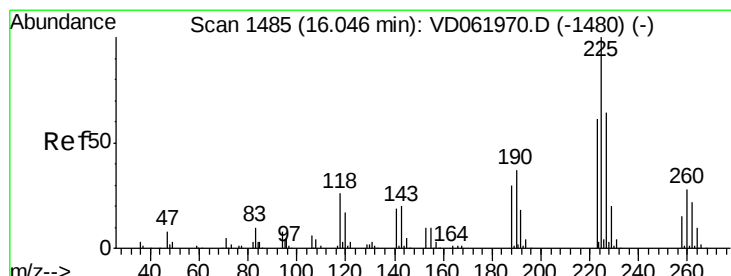
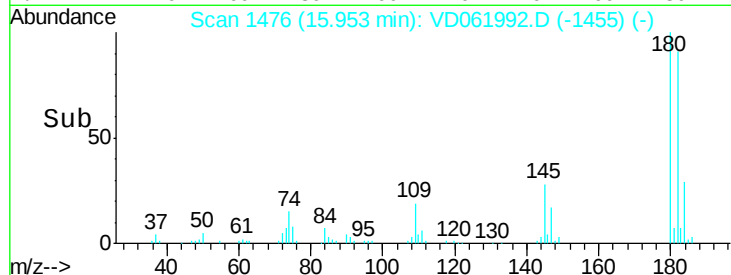
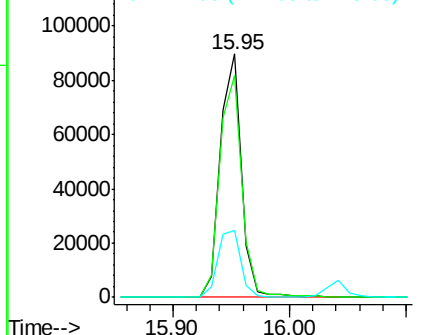
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.2	49.3	147.8	
145	27.7	16.2	48.6	

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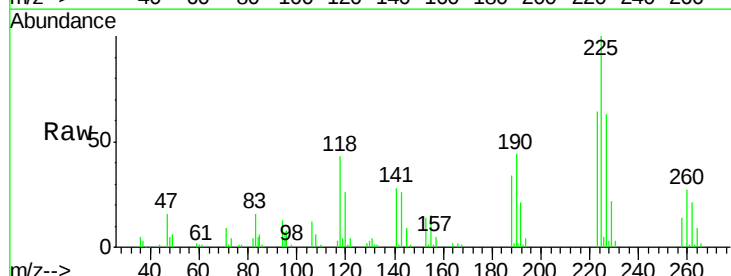


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

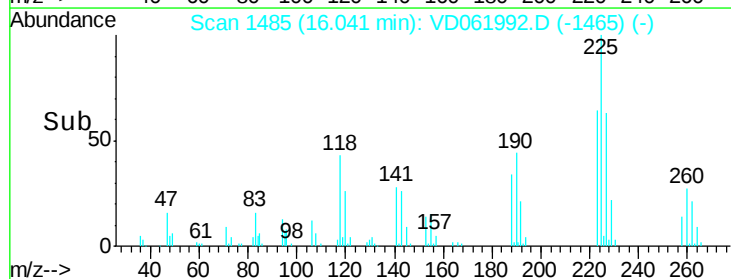
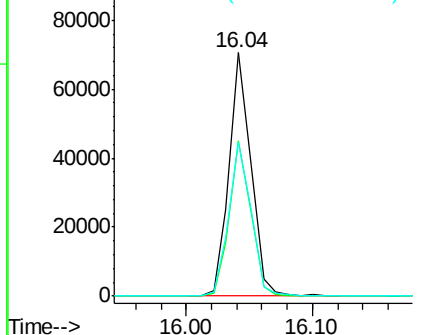


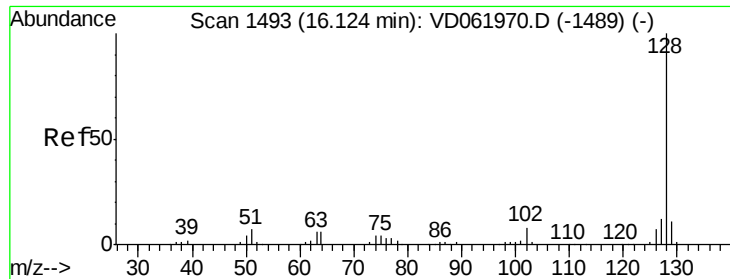
#94
 Hexachlorobutadiene
 Concen: 19.403 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	30.6	92.0	
227	63.4	32.0	96.2	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





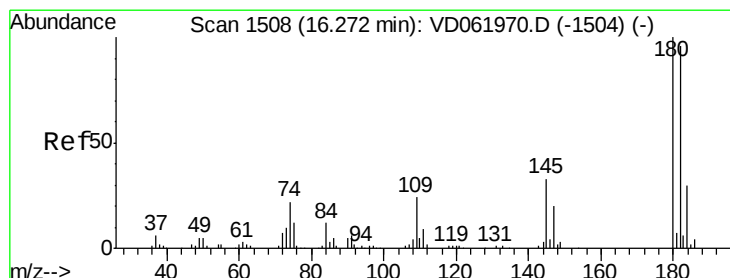
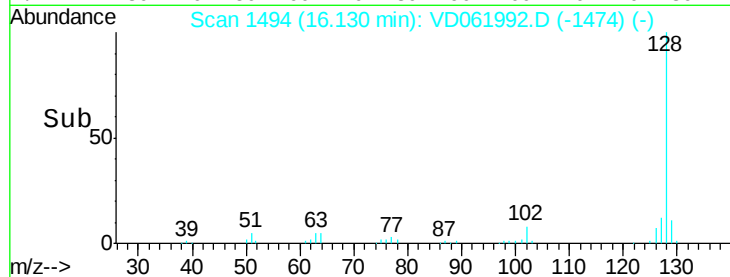
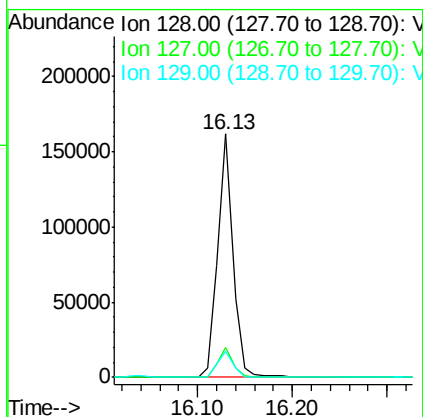
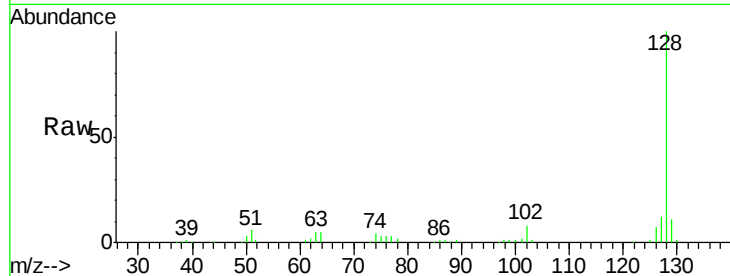
#95
Naphthalene
Concen: 19.194 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.8
129	10.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 21.527 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.9	47.0	141.0
145	28.9	17.0	51.0

