

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060078.D
 Acq On : 24 Sep 2018 13:23
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

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 9/25/2018 3:31:01 PM

Quant Time: Sep 24 15:31:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1615490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2283949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1833460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	977245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	663108	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	6.30	113	910245	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	9.43	98	2560827	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.41	95	975771	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	299073	17.538	ug/l	98
3) Chloromethane	1.75	50	326936	21.704	ug/l	97
4) Vinyl Chloride	1.84	62	261326	21.581	ug/l	98
5) Bromomethane	2.12	94	25343	17.681	ug/l	97
6) Chloroethane	2.22	64	52819	19.511	ug/l	91
7) Trichlorofluoromethane	2.48	101	259168	19.440	ug/l	98
8) Diethyl Ether	2.80	74	63654	22.461	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.06	101	192747	22.928	ug/l	99
10) Methyl Iodide	3.22	142	166250	18.672	ug/l	95
11) Tert butyl alcohol	3.94	59	90656	89.180	ug/l	96
12) 1,1-Dichloroethene	3.05	96	153546	23.100	ug/l	92
13) Acrolein	2.96	56	55274	87.805	ug/l	97
14) Allyl chloride	3.50	41	315305	22.493	ug/l	96
15) Acrylonitrile	4.05	53	404360	105.380	ug/l	98
16) Acetone	3.14	43	303289	124.691	ug/l	97
17) Carbon Disulfide	3.28	76	484138	21.139	ug/l	99
18) Methyl Acetate	3.53	43	108227	21.879	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	654879	21.323	ug/l	99
20) Methylene Chloride	3.69	84	402922	18.780	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	363524	20.840	ug/l	96
22) Diisopropyl ether	4.82	45	1389474	21.730	ug/l	95
23) Vinyl Acetate	4.77	43	3973294	109.682	ug/l	100
24) 1,1-Dichloroethane	4.72	63	607098	21.157	ug/l	99
25) 2-Butanone	5.59	43	784586	119.537	ug/l	99
26) 2,2-Dichloropropane	5.56	77	478432	21.446	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	387556	21.241	ug/l	95
28) Bromochloromethane	5.89	49	302460	21.928	ug/l	97
29) Tetrahydrofuran	5.92	42	374001	106.251	ug/l	99
30) Chloroform	6.07	83	622120	21.379	ug/l	98
31) Cyclohexane	6.33	56	540131	19.305	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	501914	20.796	ug/l	98
36) 1,1-Dichloropropene	6.49	75	452744	19.956	ug/l	96
37) Ethyl Acetate	5.67	43	320715	20.557	ug/l	99
38) Carbon Tetrachloride	6.46	117	410536	19.384	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	515628	20.091	ug/l	98
40) Benzene	6.76	78	1200846	20.767	ug/l	100
41) Methacrylonitrile	5.90	41	170612m	20.879	ug/l	
42) 1,2-Dichloroethane	6.87	62	360537	20.765	ug/l	99
43) Isopropyl Acetate	8.32	43	428052	20.492	ug/l #	100
44) Trichloroethene	7.71	130	364744	20.416	ug/l	97
45) 1,2-Dichloropropane	8.08	63	329219	21.292	ug/l	99
46) Dibromomethane	8.18	93	208015	20.619	ug/l	97
47) Bromodichloromethane	8.46	83	447028	20.552	ug/l	99
48) Methyl methacrylate	8.21	41	232766	20.007	ug/l	97
49) 1,4-Dioxane	8.20	88	45619	394.788	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	1671238	109.635	ug/l	100
52) Toluene	9.52	92	791730	21.361	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	416412	20.527	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	506868	20.912	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	260492	20.242	ug/l	95
56) Ethyl methacrylate	10.01	69	289463	20.279	ug/l	97
57) 1,3-Dichloropropane	10.36	76	398573	20.982	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.89	63	747519	108.449	ug/l	98
59) 2-Hexanone	10.47	43	1229757	112.397	ug/l	100
60) Dibromochloromethane	10.62	129	322422	20.584	ug/l	99
61) 1,2-Dibromoethane	10.73	107	264180	19.883	ug/l	99
64) Tetrachloroethene	10.23	164	336299	20.789	ug/l	98
65) Chlorobenzene	11.29	112	863615	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	302004	22.715	ug/l	99
67) Ethyl Benzene	11.41	91	1488908	23.471	ug/l	99
68) m/p-Xylenes	11.55	106	1051681	44.890	ug/l	94
69) o-Xylene	11.91	106	510550	21.993	ug/l	97
70) Styrene	11.94	104	875821	22.439	ug/l	99
71) Bromoform	12.10	173	228785	20.029	ug/l	99
73) Isopropylbenzene	12.26	105	1454760	22.698	ug/l	99
74) N-amyl acetate	12.12	43	523414	20.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	314955	21.662	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	310131	20.779	ug/l	98
77) Bromobenzene	12.52	156	408908	22.148	ug/l	96
78) n-propylbenzene	12.62	91	1839768	22.827	ug/l	98
79) 2-Chlorotoluene	12.69	91	999177	21.964	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1053157	21.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	88699	19.687	ug/l	94
82) 4-Chlorotoluene	12.80	91	1085116	21.696	ug/l	91
83) tert-Butylbenzene	13.04	119	1273933	22.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	1169679	22.312	ug/l	98
85) sec-Butylbenzene	13.20	105	1529133	22.635	ug/l	98
86) p-Isopropyltoluene	13.33	119	1224514	22.411	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	716484	22.317	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	713432	21.909	ug/l	99
89) n-Butylbenzene	13.64	91	1254519	21.372	ug/l	98
90) Hexachloroethane	13.84	117	280002	20.690	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	619623	20.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	42375	19.118	ug/l	64

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ClientSampleId :
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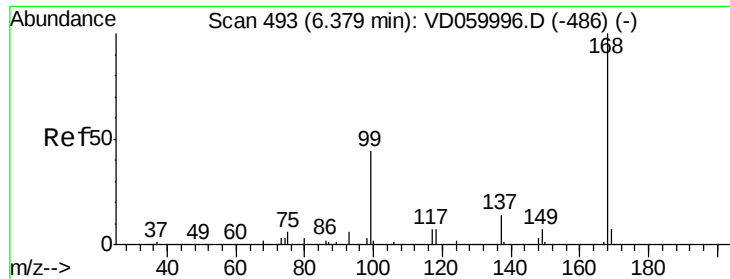
Manual Integrations
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9/25/2018 3:31:01 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	498628	21.794	ug/l	99
94) Hexachlorobutadiene	14.87	225	325542	21.510	ug/l	100
95) Naphthalene	14.96	128	738798	20.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	417249	20.695	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion:168 Resp: 1615490

Ion Ratio Lower Upper

168 100

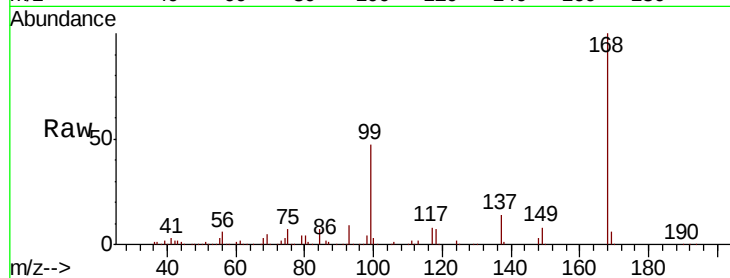
99 47.3 38.5 57.7

Manual Integrations

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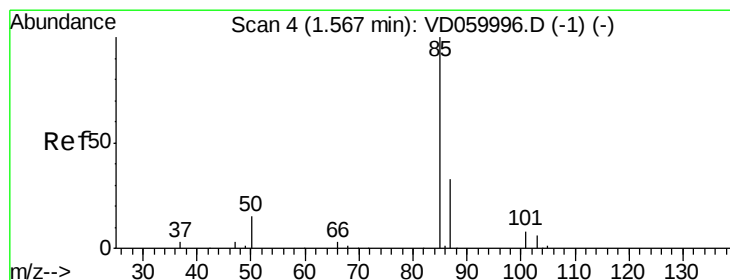
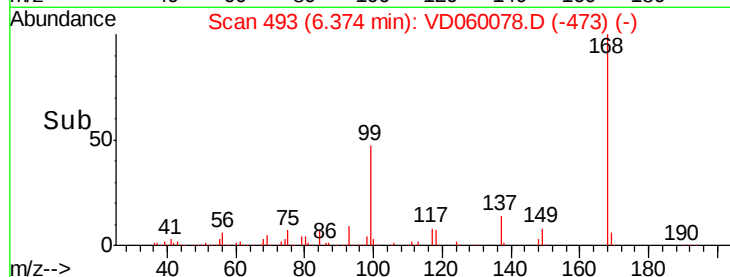
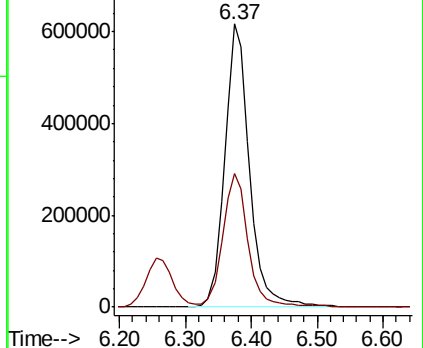
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.538 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.00 min

Lab File: VD060078.D

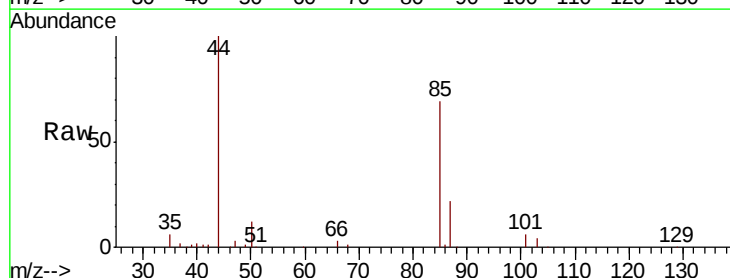
Acq: 24 Sep 2018 13:23

Tgt Ion: 85 Resp: 299073

Ion Ratio Lower Upper

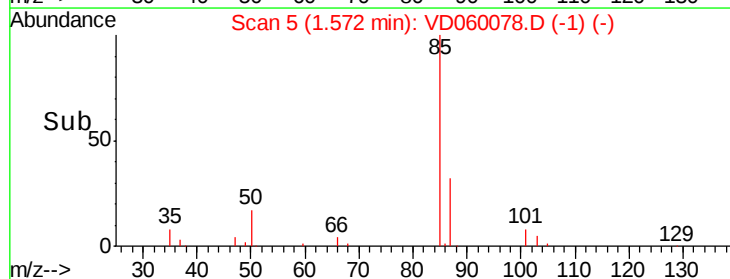
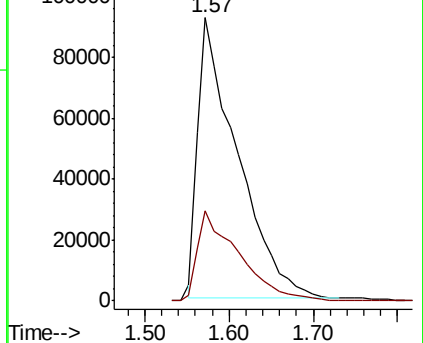
85 100

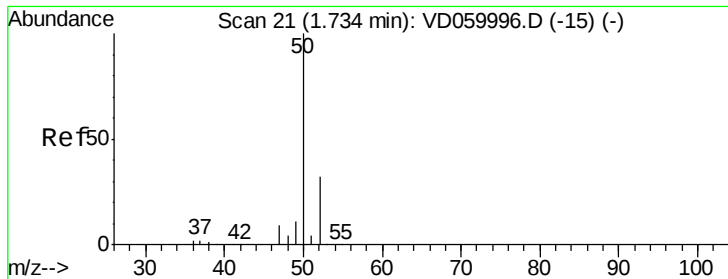
87 31.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.704 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 50 Resp: 326936

Ion Ratio Lower Upper

50 100

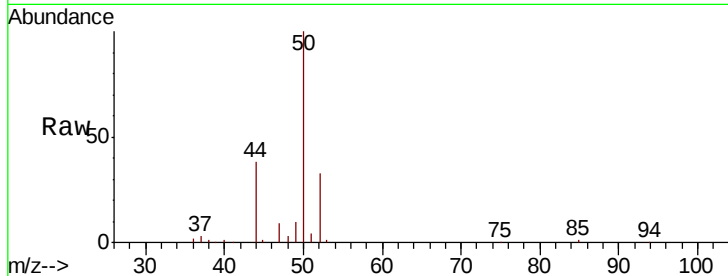
52 33.5 25.4 38.2

Manual Integrations

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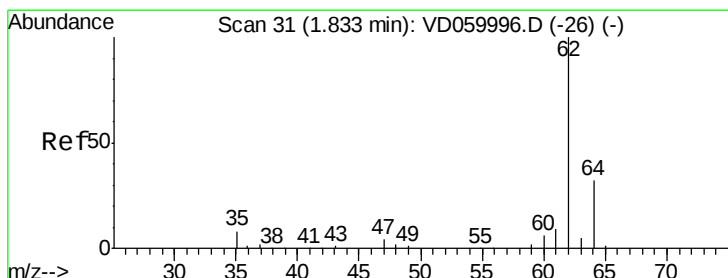
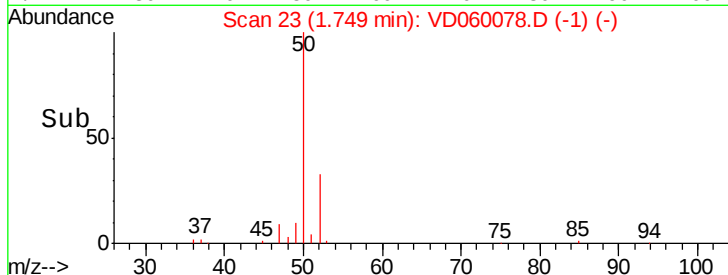
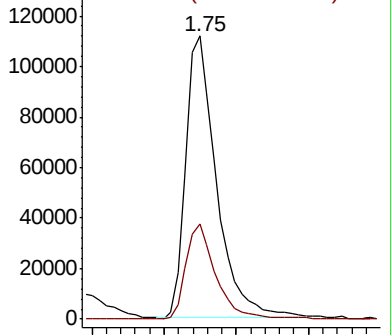
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.581 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060078.D

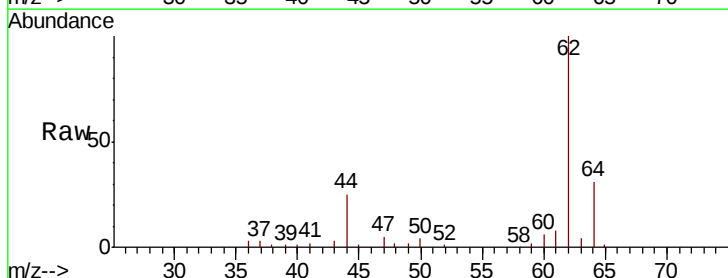
Acq: 24 Sep 2018 13:23

Tgt Ion: 62 Resp: 261326

Ion Ratio Lower Upper

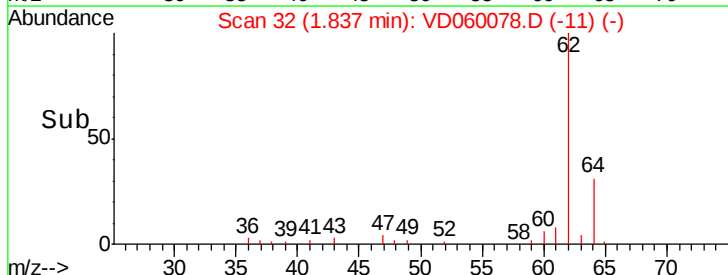
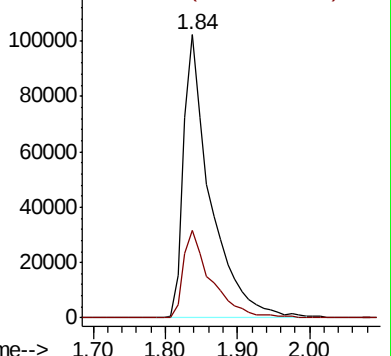
62 100

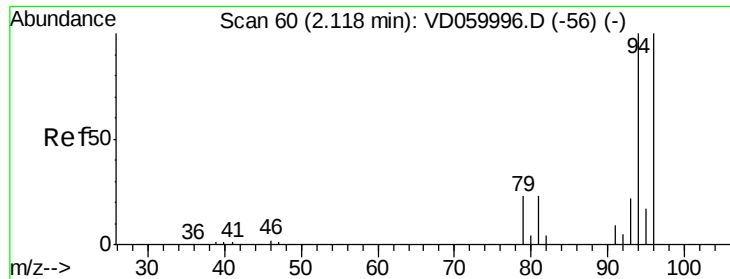
64 31.0 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.681 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 94 Resp: 25343

Ion Ratio Lower Upper

94 100

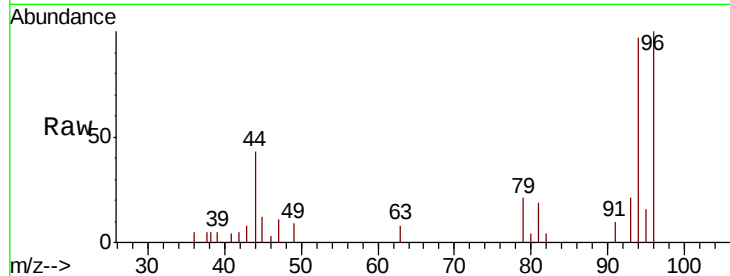
96 102.8 79.8 119.8

Manual Integrations

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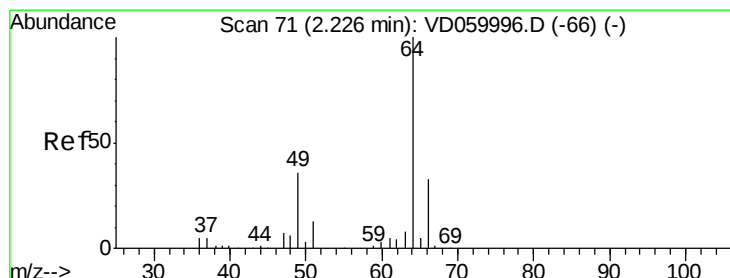
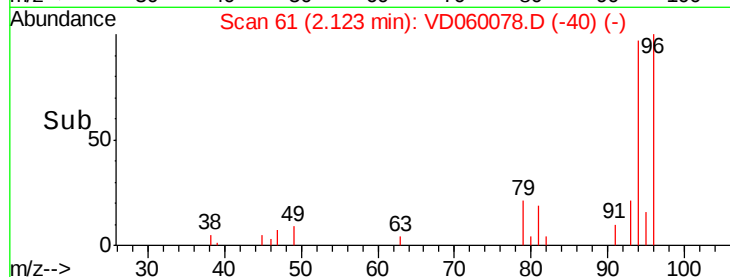
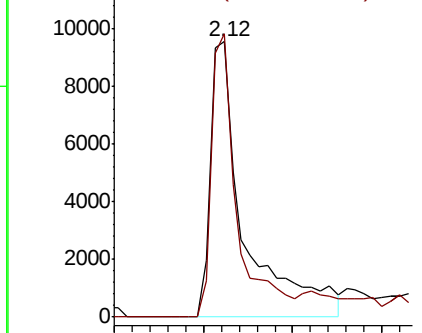
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.511 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD060078.D

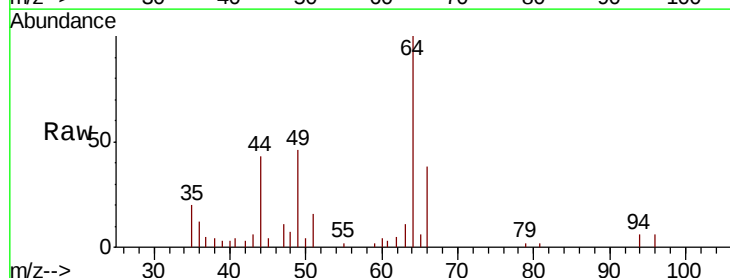
Acq: 24 Sep 2018 13:23

Tgt Ion: 64 Resp: 52819

Ion Ratio Lower Upper

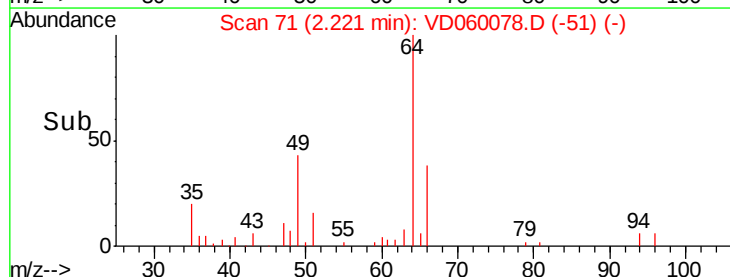
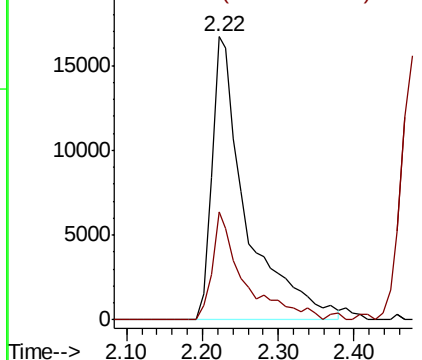
64 100

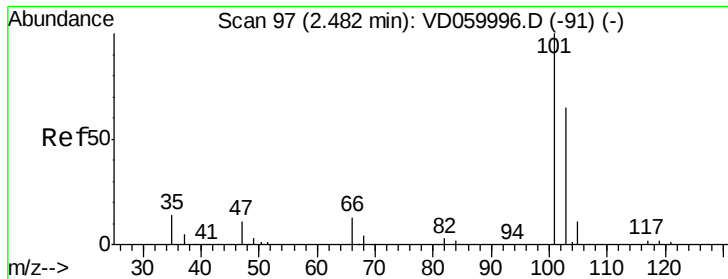
66 38.2 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

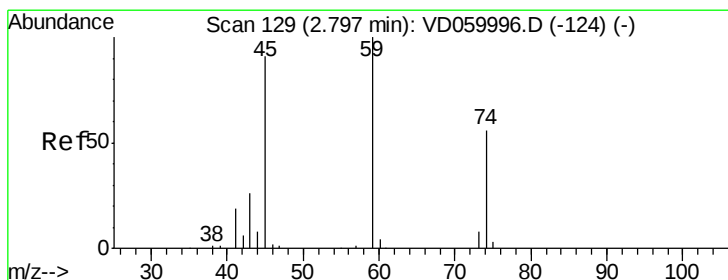
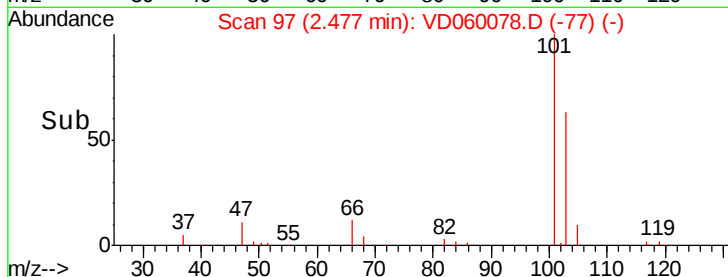
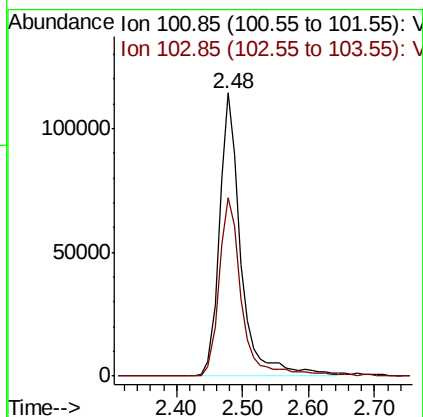
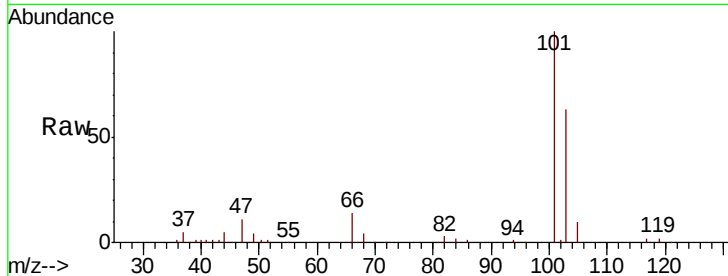
Trichlorofluoromethane
Concen: 19.440 ug/l
RT: 2.48 min Scan# 97
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion:101 Resp: 259168
Ion Ratio Lower Upper
101 100
103 63.2 51.6 77.4

Manual Integrations
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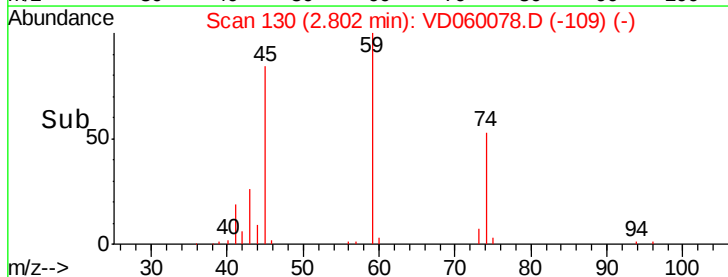
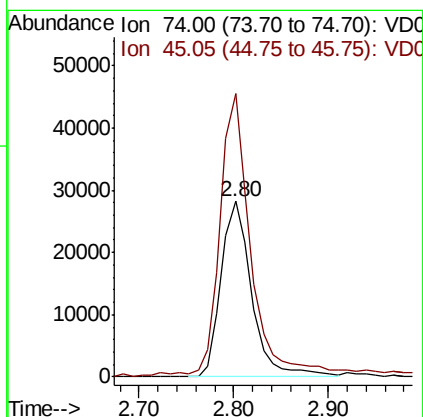
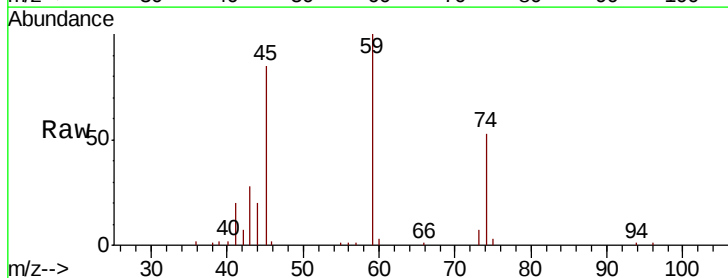
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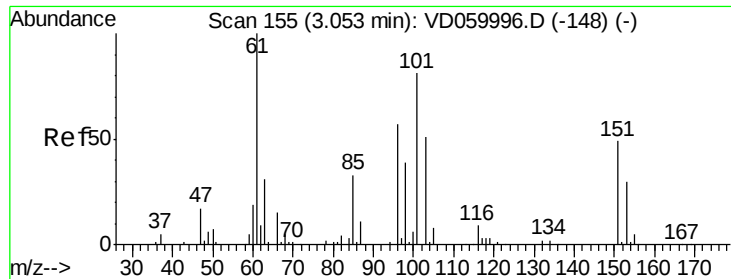


#8

Diethyl Ether
Concen: 22.461 ug/l
RT: 2.80 min Scan# 130
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 74 Resp: 63654
Ion Ratio Lower Upper
74 100
45 161.3 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.928 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

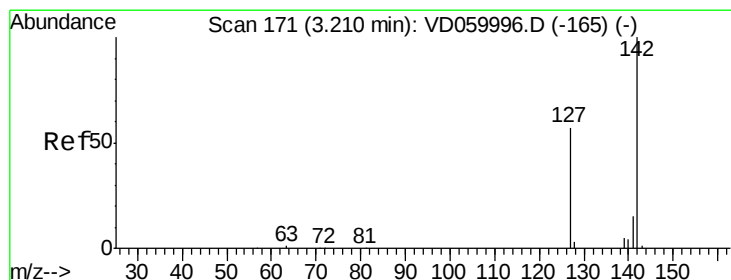
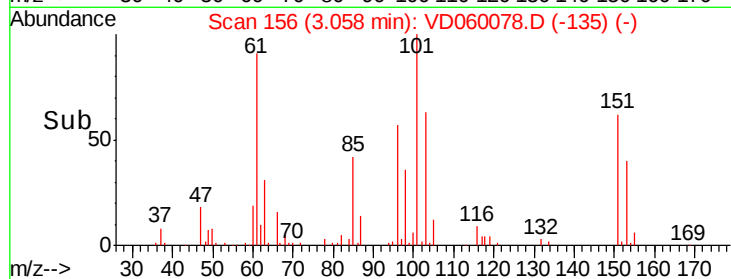
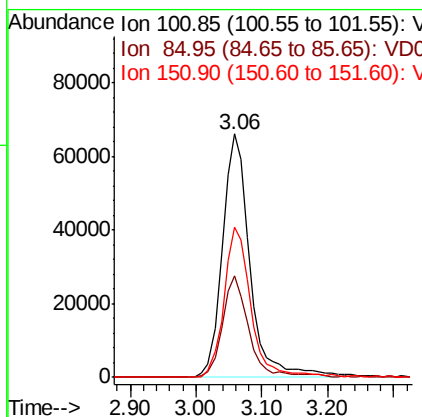
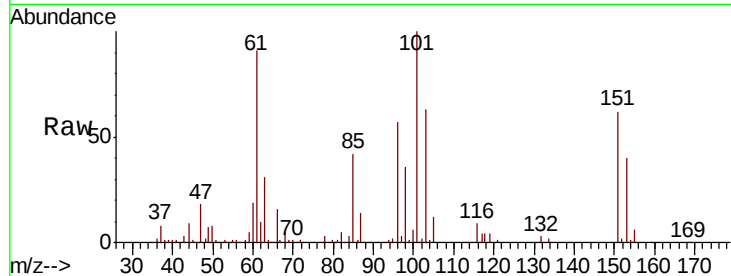
ClientSampleId :

VD0924SBS01

Tot Ion:	101	Resp:	192747
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.1	49.7
151	61.6	48.2	72.4

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#10

Methyl Iodide

Concen: 18.672 ug/l

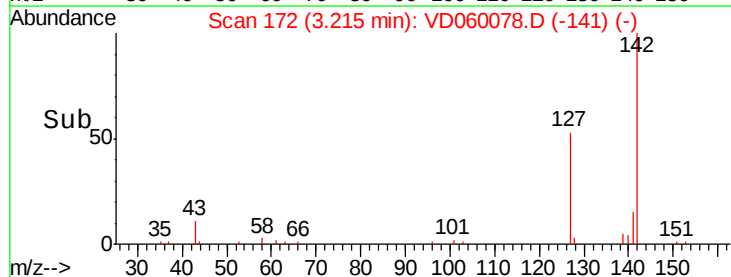
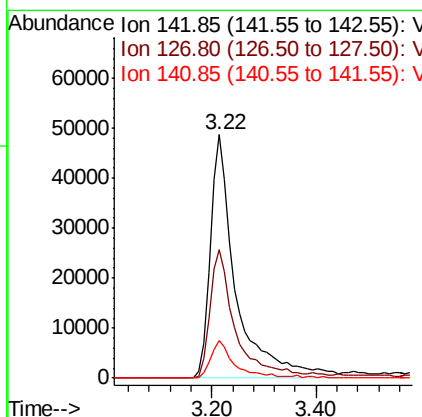
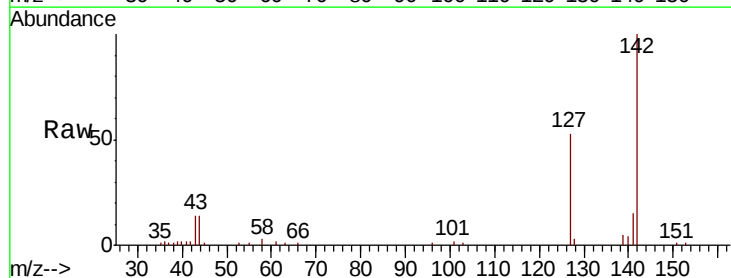
RT: 3.22 min Scan# 172

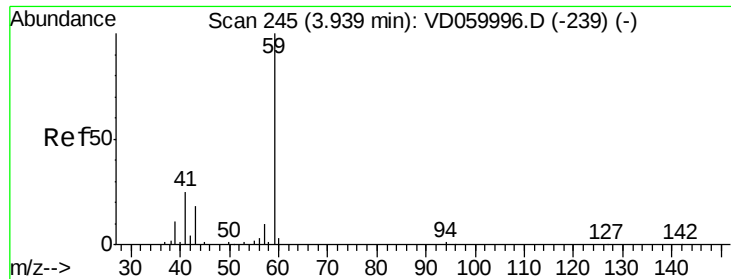
Delta R.T. 0.01 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion:	142	Resp:	166250
Ion Ratio	Lower	Upper	
142	100		
127	52.7	45.8	68.8
141	15.3	12.2	18.4





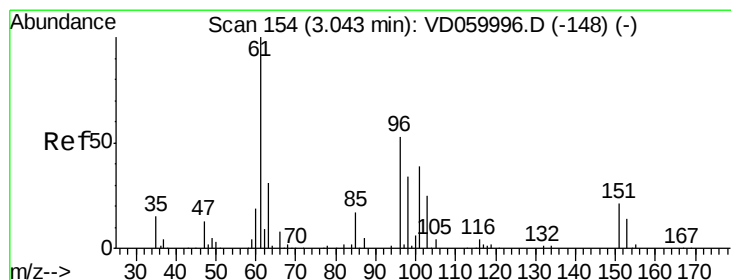
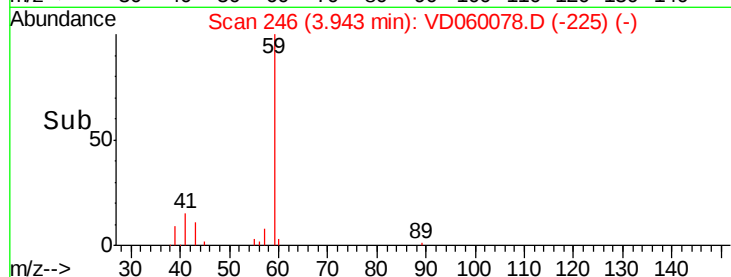
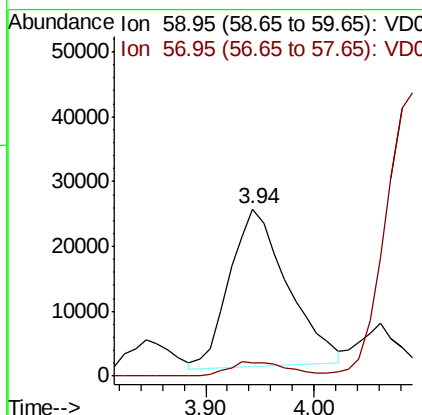
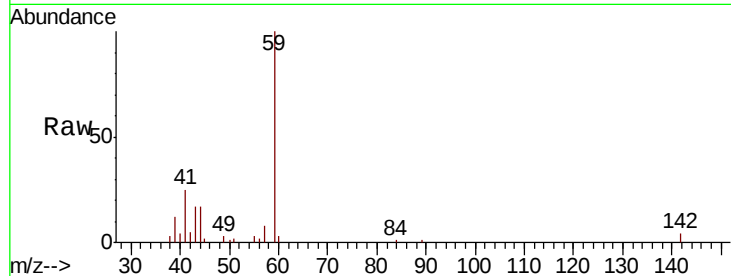
#11
Tert butyl alcohol
Concen: 89.180 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	59	Resp	90656
Ion Ratio	100	Lower	Upper
57	7.8	7.4	11.2

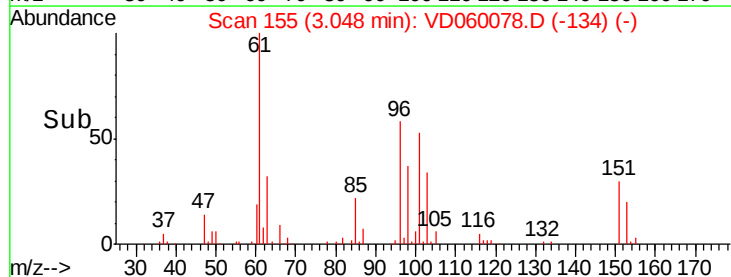
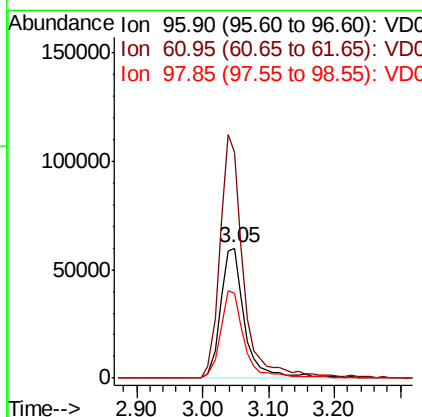
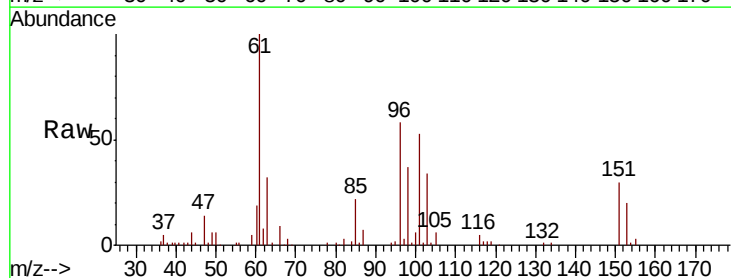
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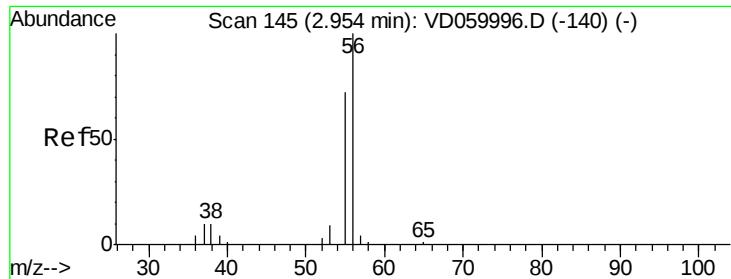
apatel
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#12
1,1-Dichloroethene
Concen: 23.100 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	96	Resp	153546
Ion Ratio	100	Lower	Upper
61	173.1	149.8	224.6
98	64.7	50.2	75.4





#13

Acrolein

Concen: 87.805 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 56 Resp: 55274

Ion Ratio Lower Upper

56 100

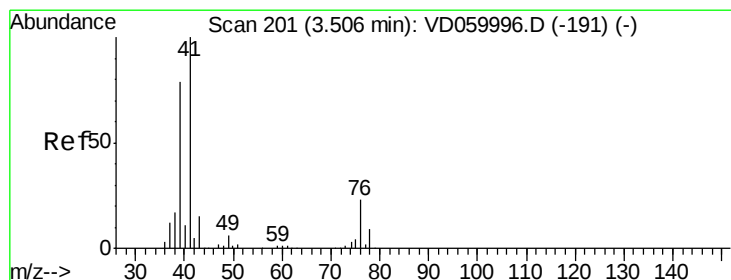
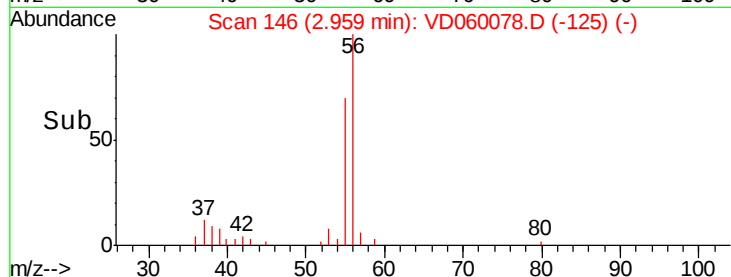
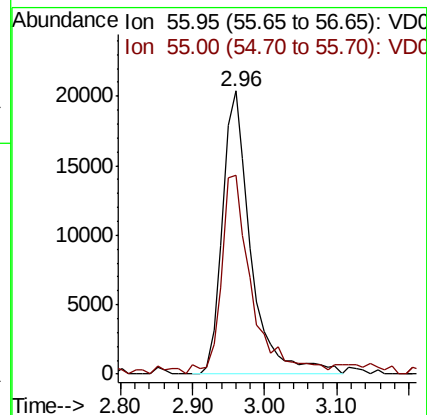
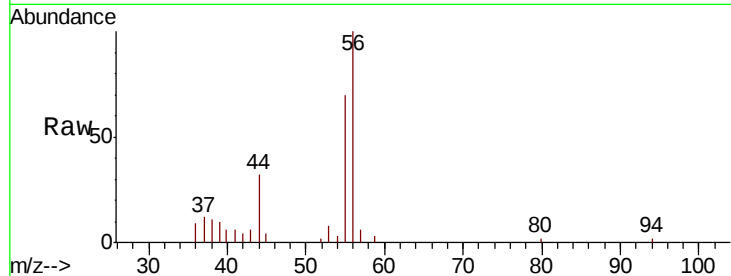
55 70.2 58.3 87.5

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#14

Allyl chloride

Concen: 22.493 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

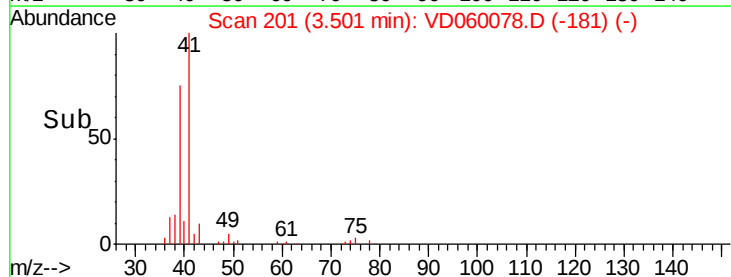
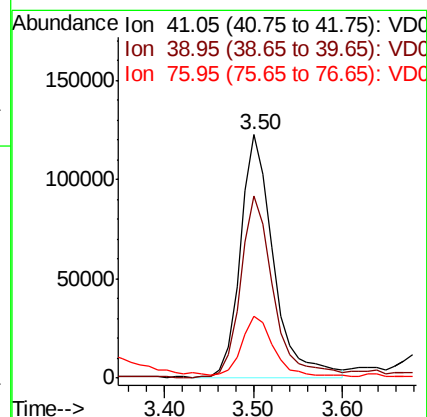
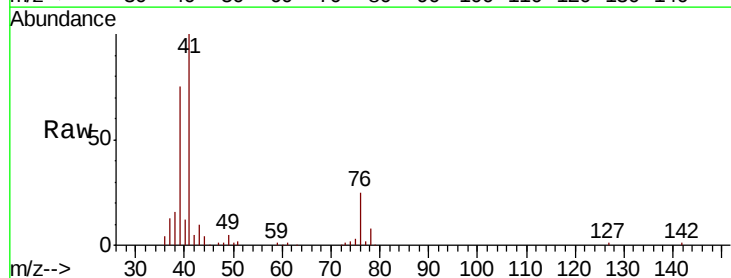
Tgt Ion: 41 Resp: 315305

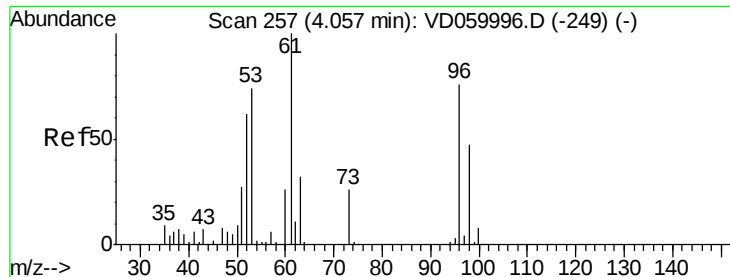
Ion Ratio Lower Upper

41 100

39 75.0 63.6 95.4

76 25.2 21.1 31.7





#15

Acrylonitrile

Concen: 105.380 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

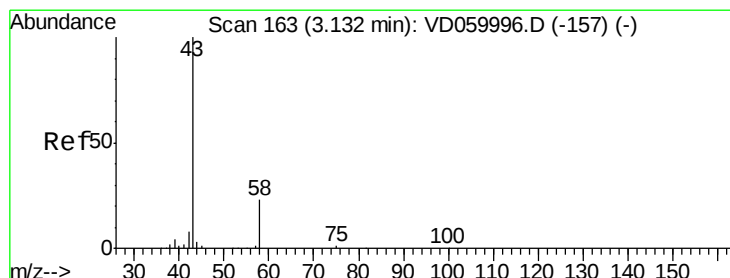
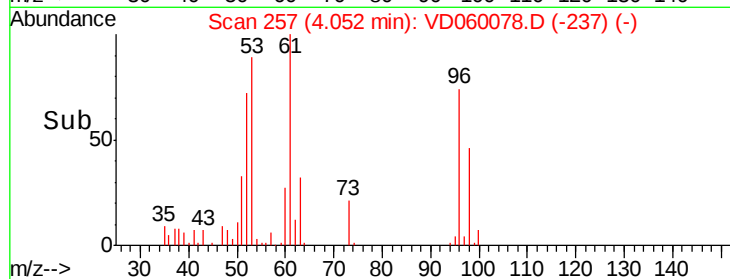
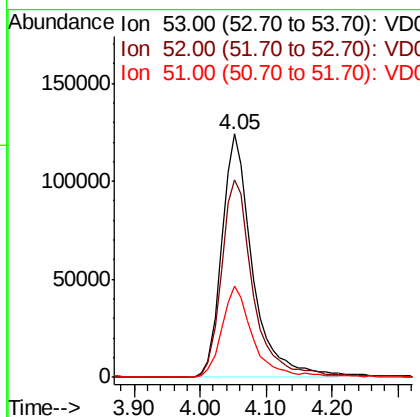
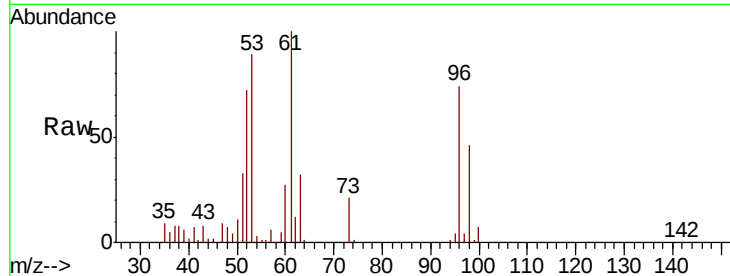
ClientSampleId :

VD0924SBS01

Tot Ion:	53	Resp:	404360
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.7	100.1
51	37.5	29.0	43.6

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#16

Acetone

Concen: 124.691 ug/l

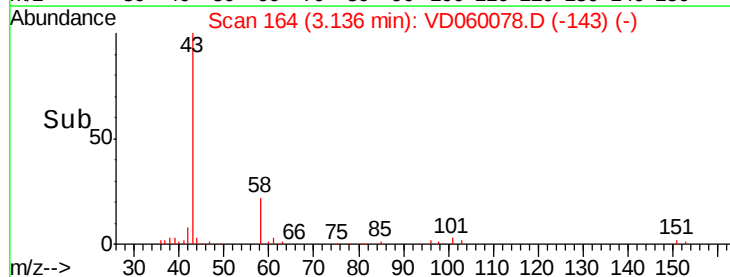
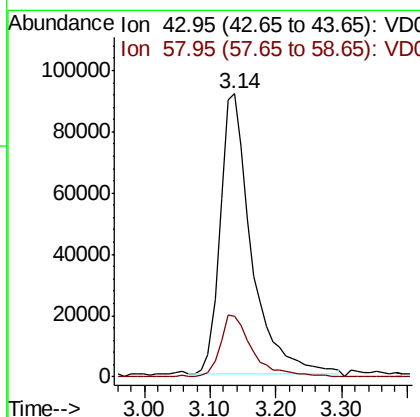
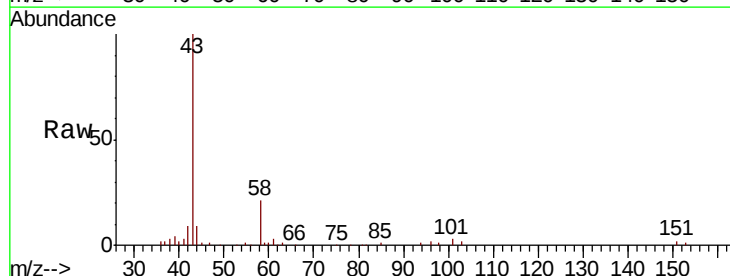
RT: 3.14 min Scan# 164

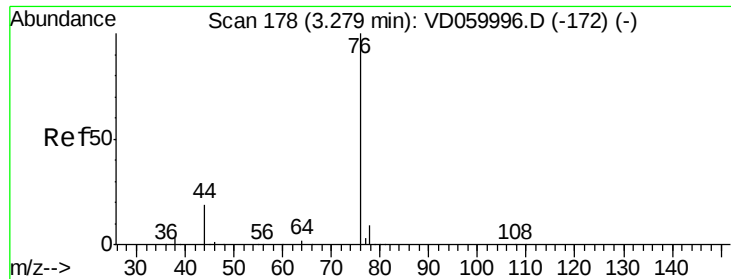
Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion:	43	Resp:	303289
Ion	Ratio	Lower	Upper
43	100		
58	21.4	18.1	27.1





#17

Carbon Disulfide

Concen: 21.139 ug/l

RT: 3.28 min Scan# 179

Delta R.T. 0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 76 Resp: 484138

Ion Ratio Lower Upper

76 100

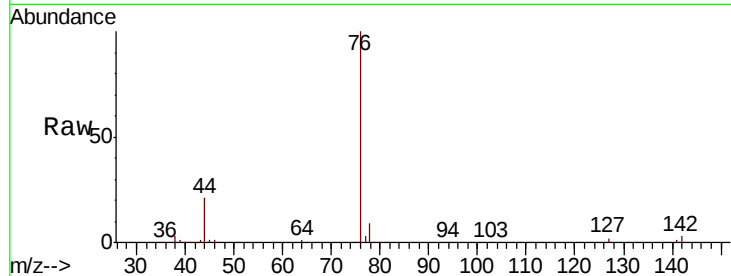
78 9.2 7.0 10.4

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

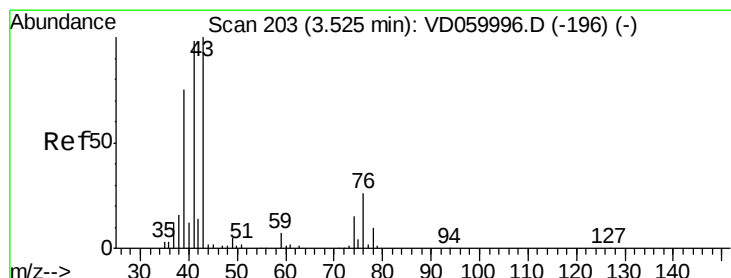
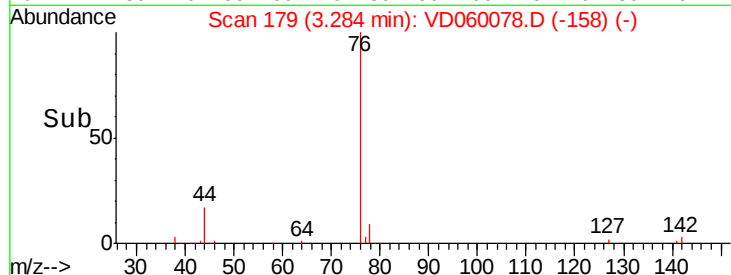
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 21.879 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060078.D

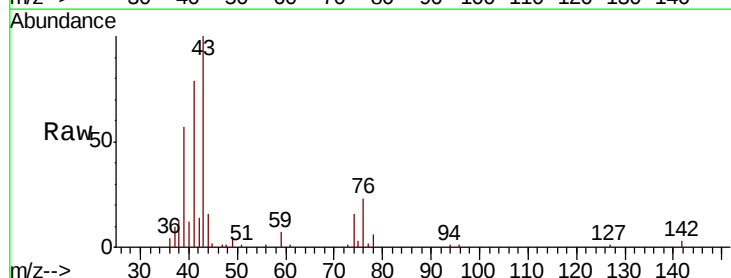
Acq: 24 Sep 2018 13:23

Tgt Ion: 43 Resp: 108227

Ion Ratio Lower Upper

43 100

74 15.8 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

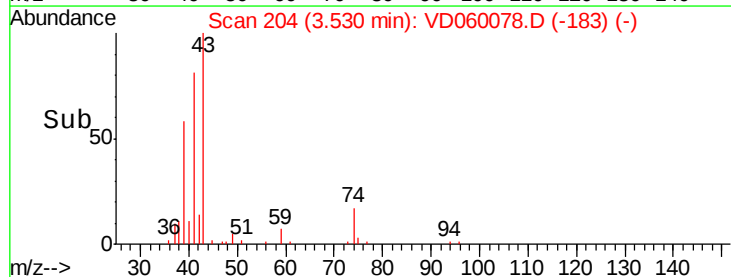
20000

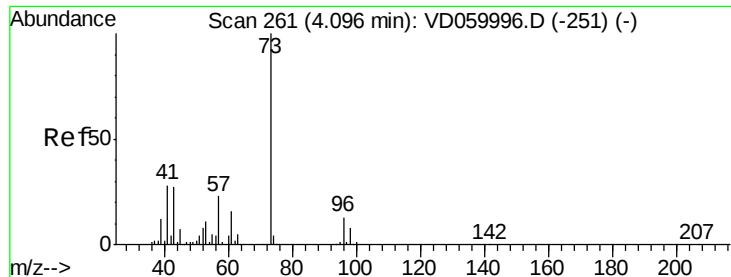
10000

0

3.40 3.50 3.60

Time-->





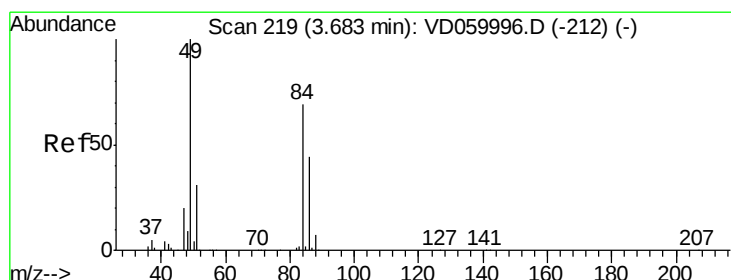
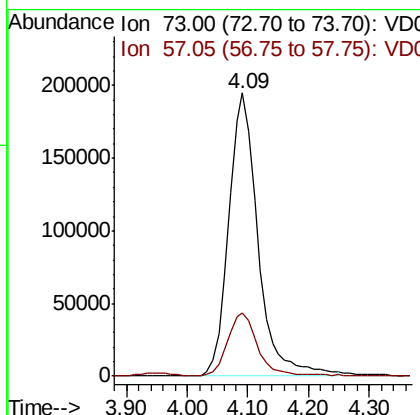
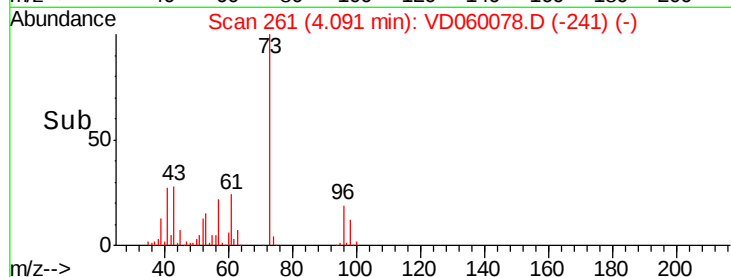
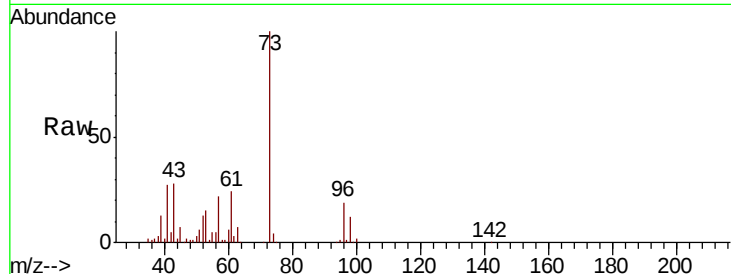
#19
Methvl tert-butvl Ether
Concen: 21.323 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 73 Resp: 654879
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

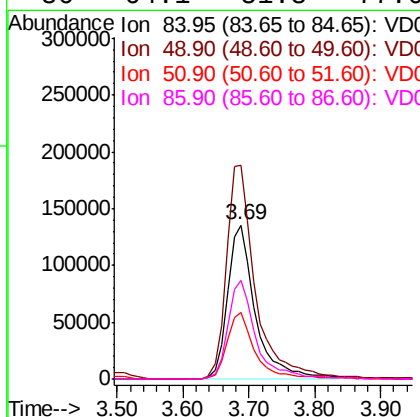
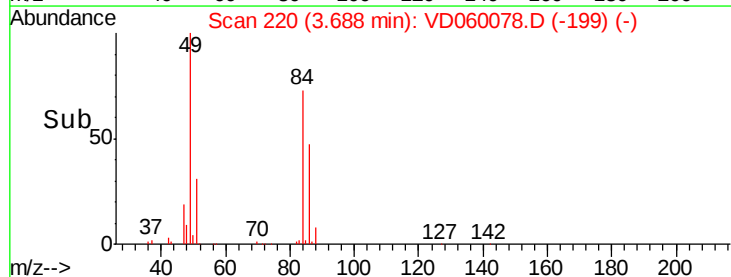
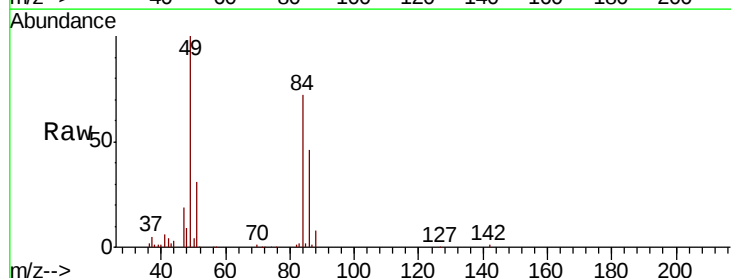
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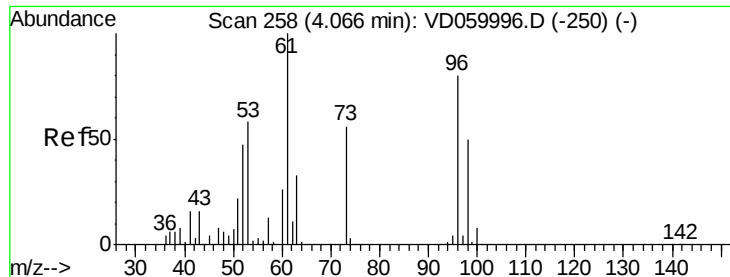
apatel
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#20
Methylene Chloride
Concen: 18.780 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 84 Resp: 402922
Ion Ratio Lower Upper
84 100
49 138.5 116.6 175.0
51 43.2 35.9 53.9
86 64.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.840 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 96 Resp: 363524

Ion Ratio Lower Upper

96 100

61 131.1 100.1 150.1

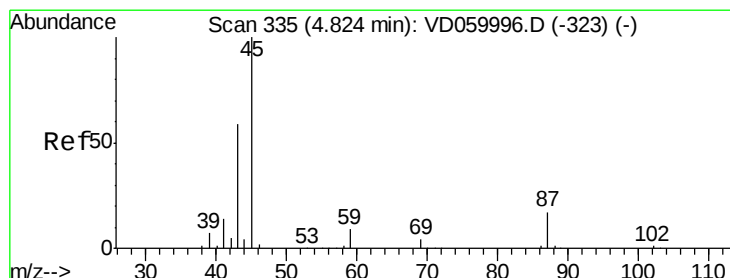
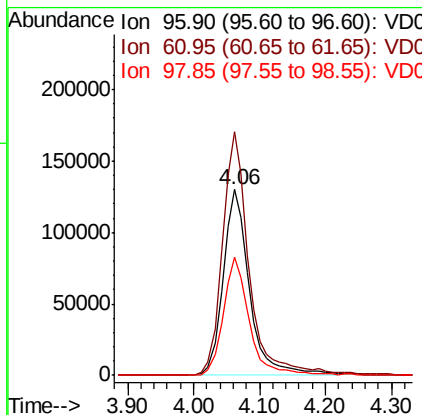
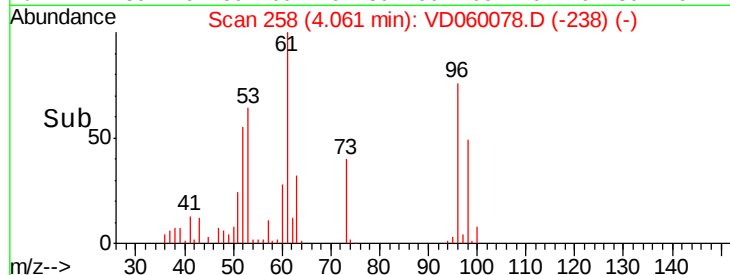
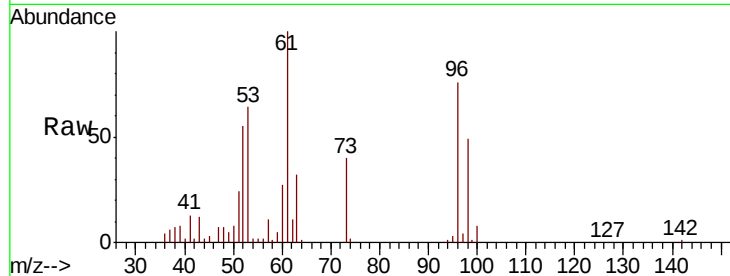
98 63.6 49.5 74.3

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#22

Diisopropyl ether

Concen: 21.730 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion: 45 Resp: 1389474

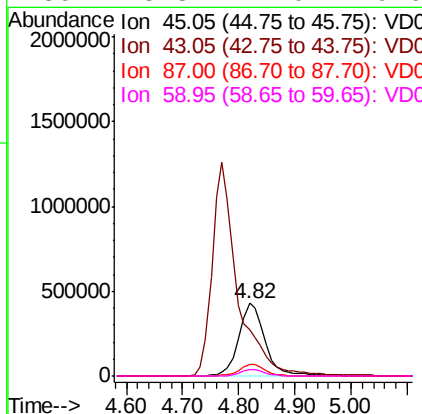
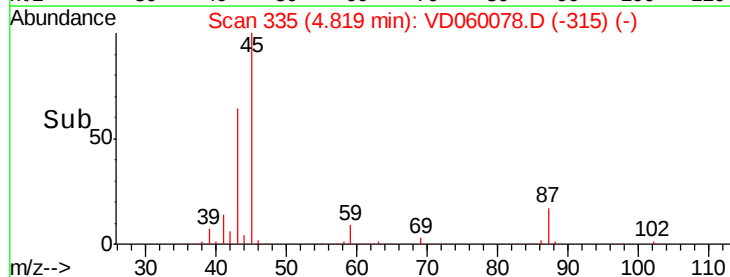
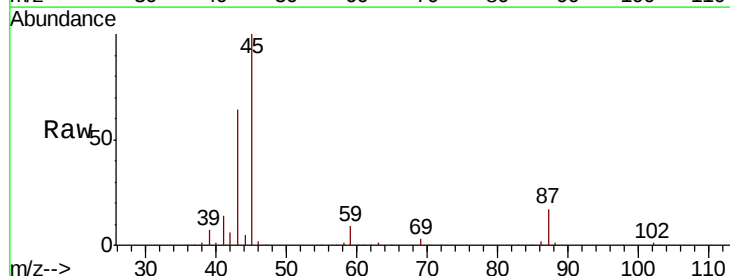
Ion Ratio Lower Upper

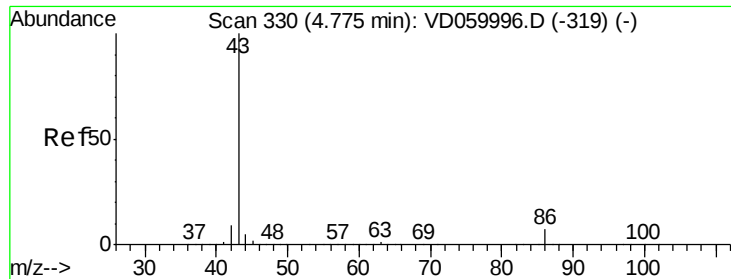
45 100

43 64.0 47.1 70.7

87 16.7 14.2 21.2

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 109.682 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 3973294

Ion Ratio Lower Upper

43 100

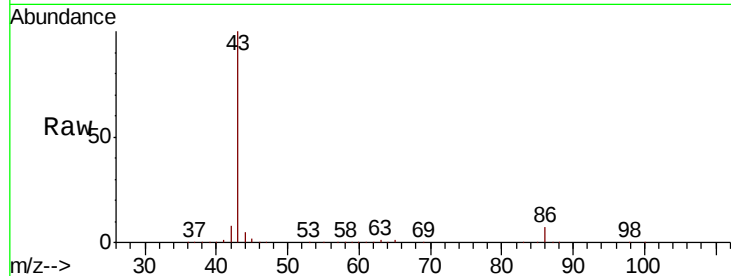
86 6.8 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

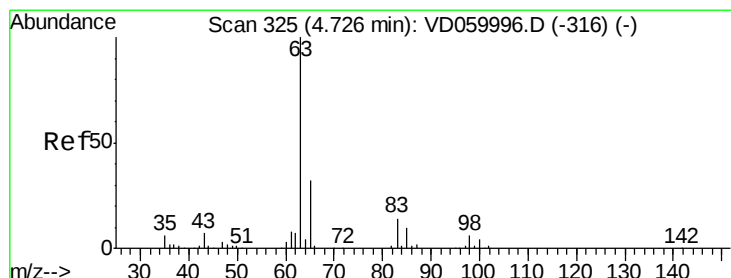
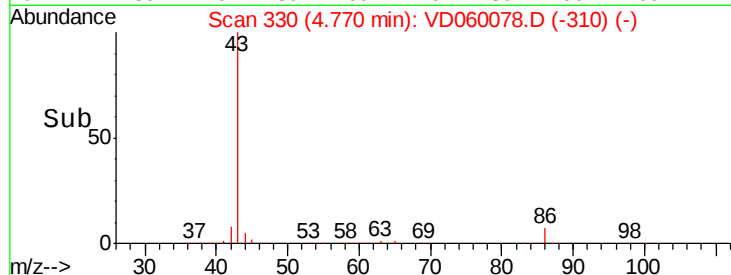
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.157 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

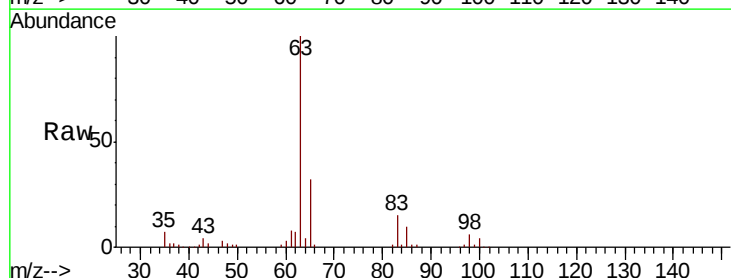
Tgt Ion: 63 Resp: 607098

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.6 1.8 5.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

250000

200000

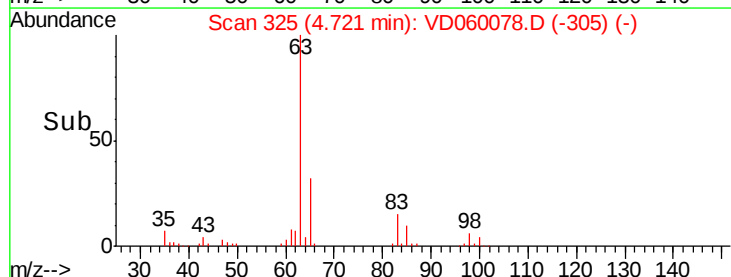
150000

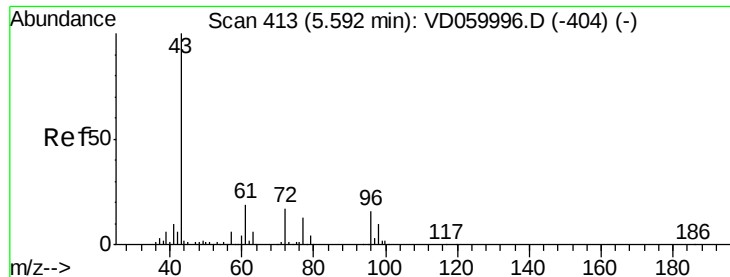
100000

50000

0

Time-->





#25

2-Butanone

Concen: 119.537 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 784586

Ion Ratio Lower Upper

43 100

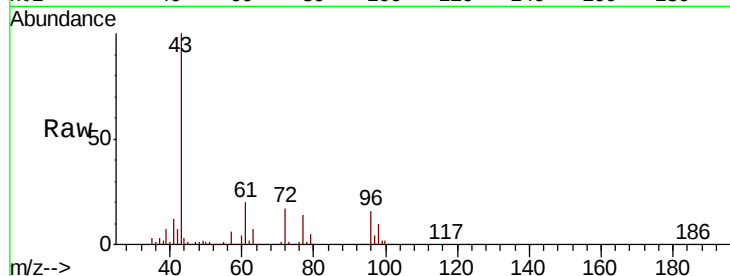
72 16.8 13.6 20.4

Manual Integrations

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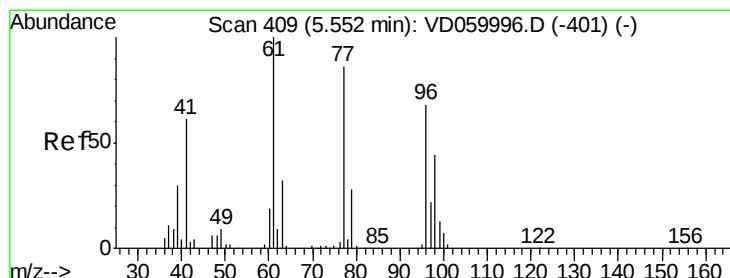
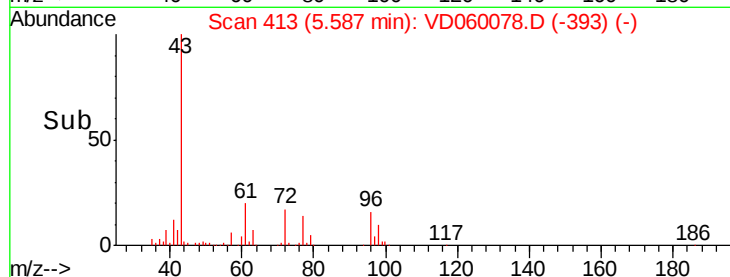
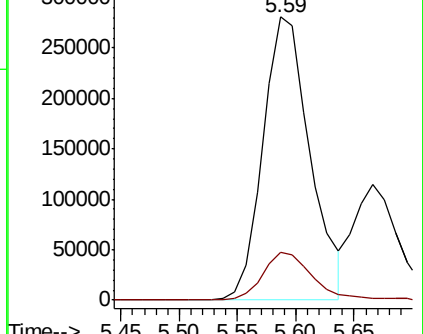
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.446 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060078.D

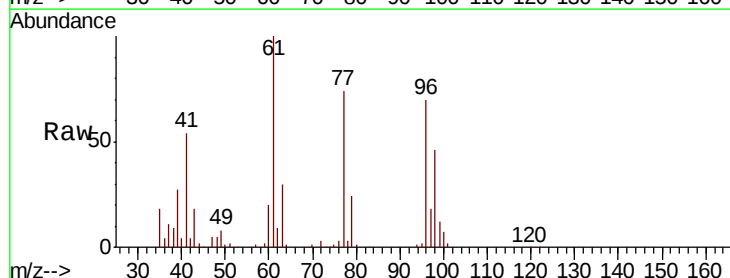
Acq: 24 Sep 2018 13:23

Tgt Ion: 77 Resp: 478432

Ion Ratio Lower Upper

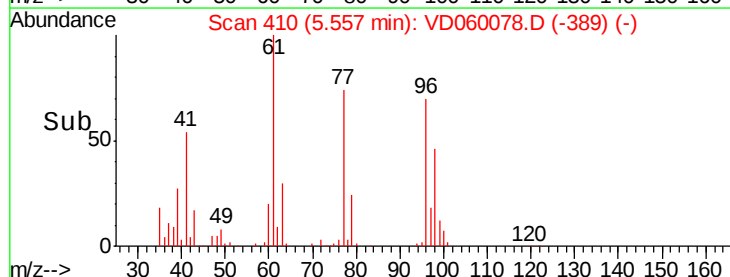
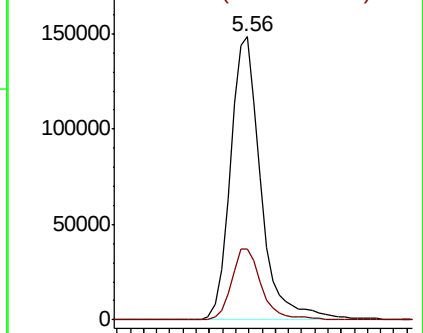
77 100

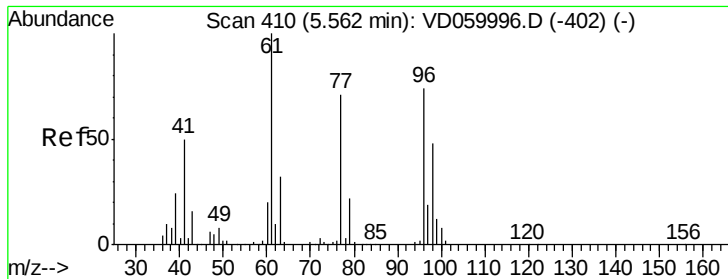
97 24.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

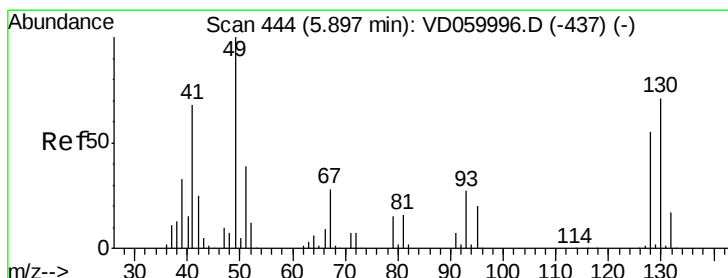
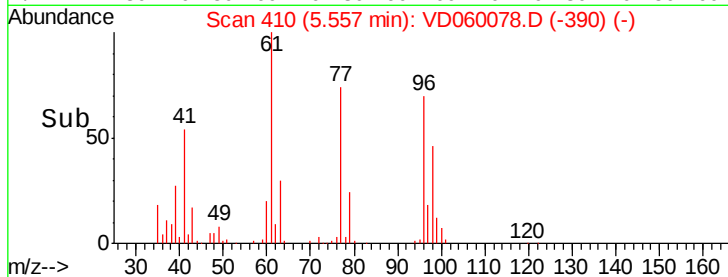
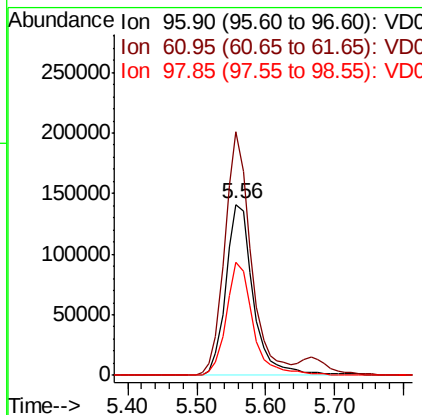
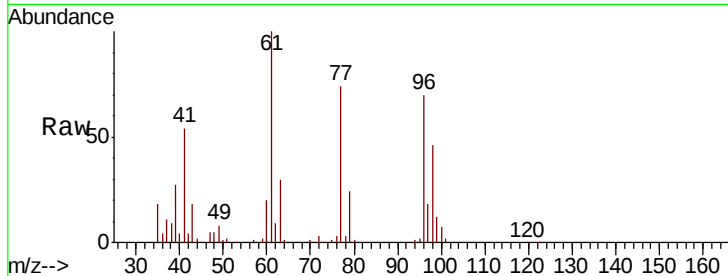
cis-1,2-Dichloroethene
Concen: 21.241 ug/l
RT: 5.56 min Scan# 410
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.7	0.0	269.6	
98	65.9	0.0	128.4	

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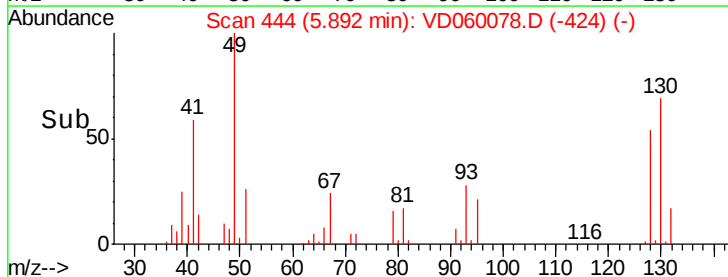
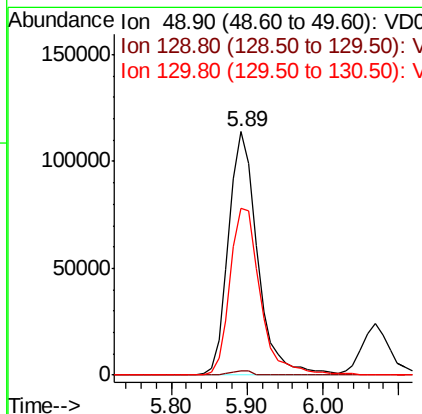
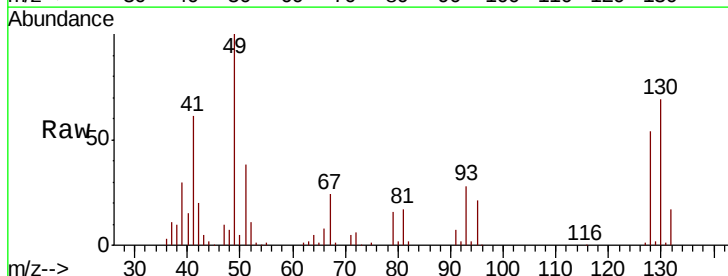
apatel
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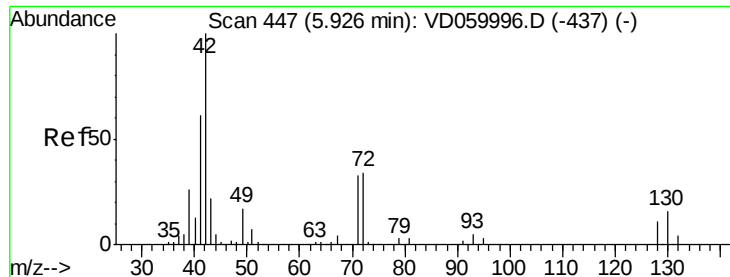


#28

Bromochloromethane
Concen: 21.928 ug/l
RT: 5.89 min Scan# 444
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	68.7	57.1	85.7	





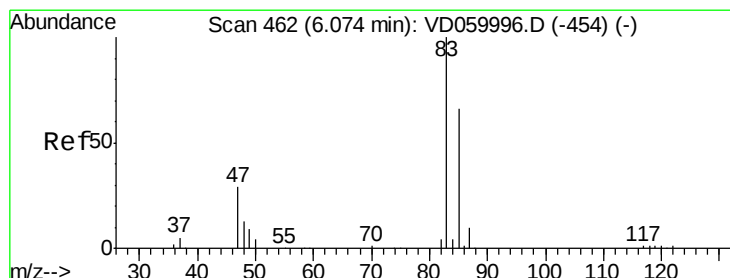
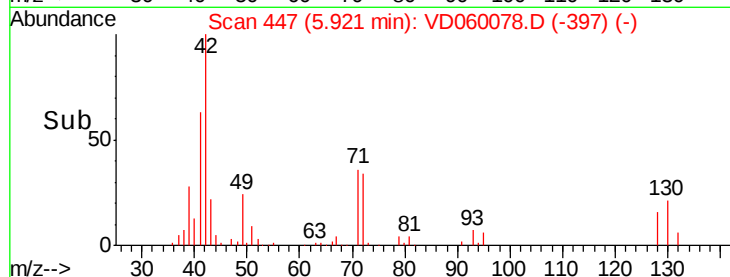
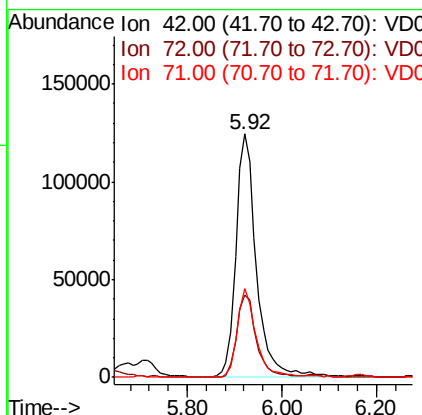
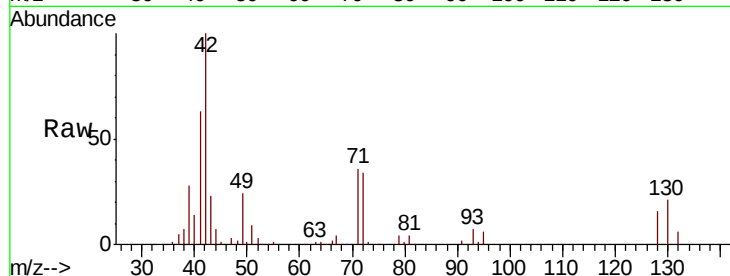
#29
Tetrahydrofuran
Concen: 106.251 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	26.9	40.3
71	32.9	26.2	39.4

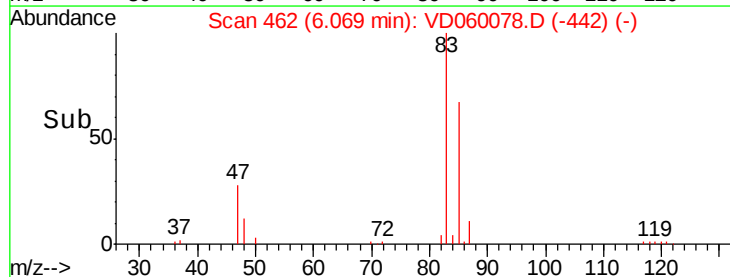
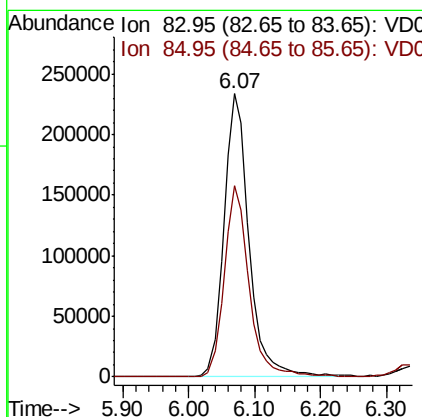
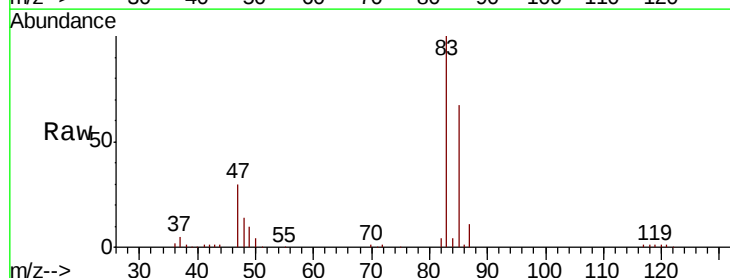
Manual Integrations
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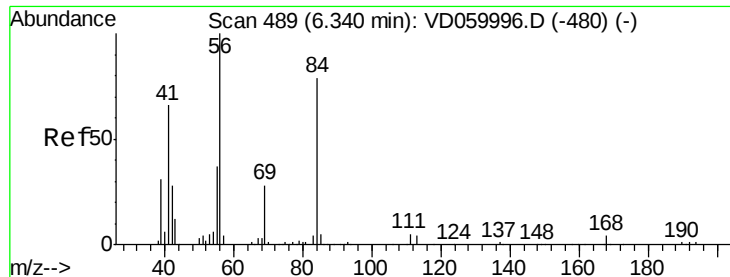
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#30
Chloroform
Concen: 21.379 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.6	78.8





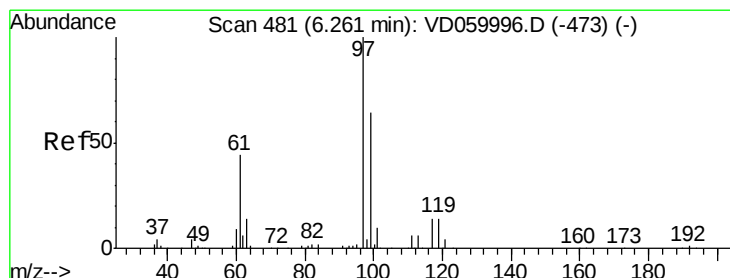
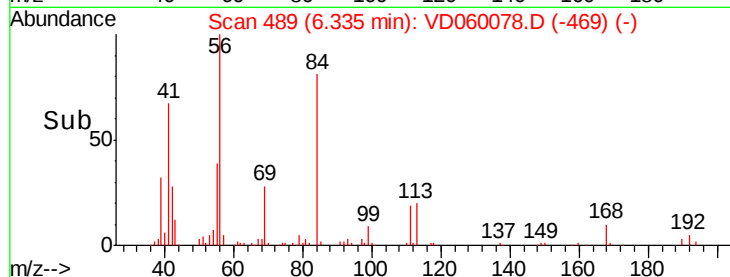
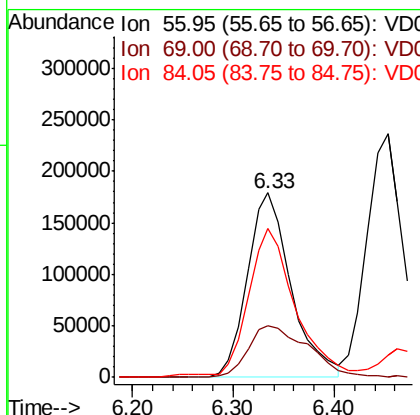
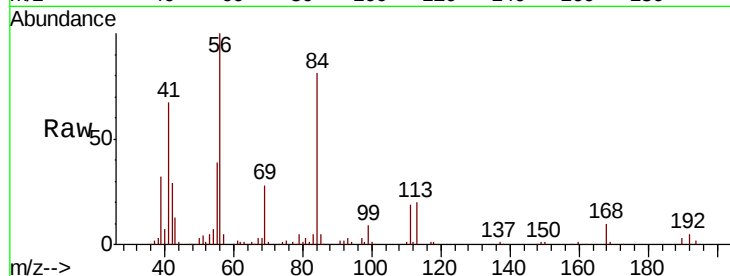
#31
Cyclohexane
Concen: 19.305 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.7	34.1
84	80.6	64.0	96.0

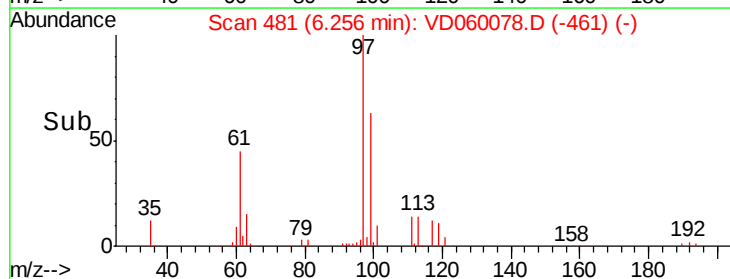
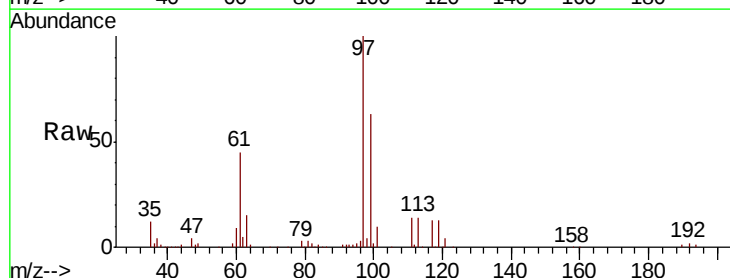
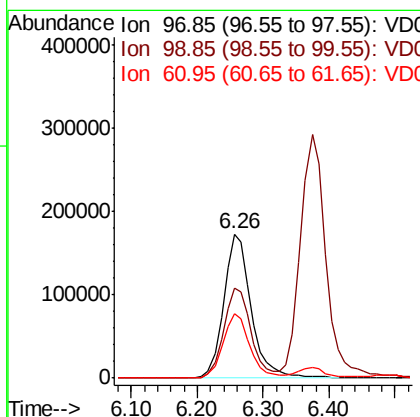
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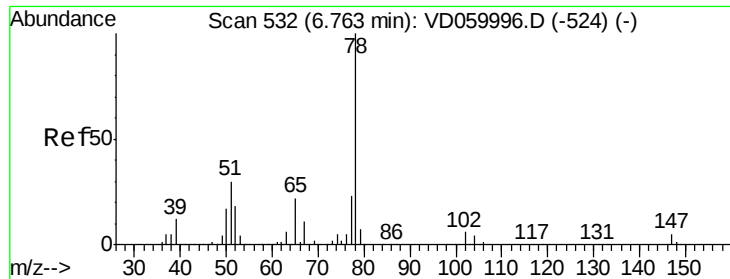
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#32
1,1,1-Trichloroethane
Concen: 20.796 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.3	76.9
61	45.0	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.796 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 65 Resp: 663108

Ion Ratio Lower Upper

65 100

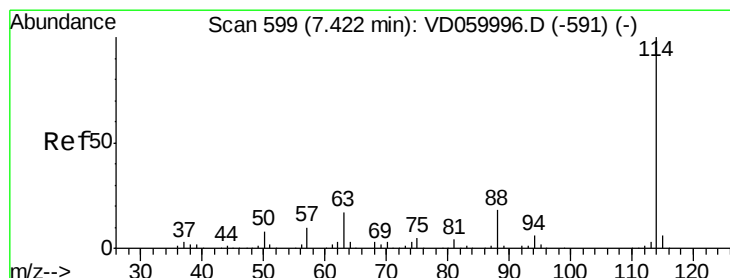
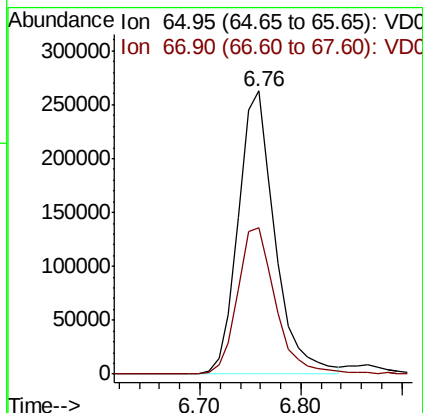
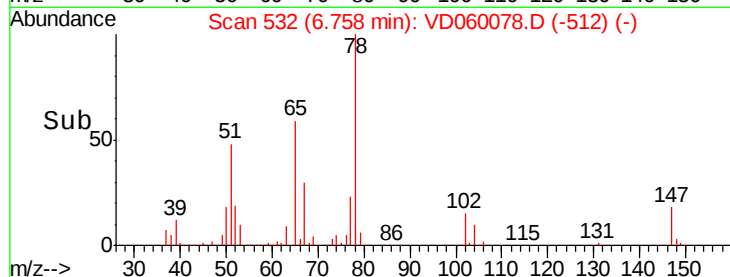
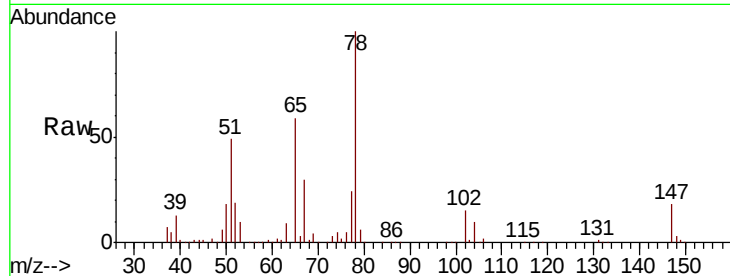
67 51.9 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

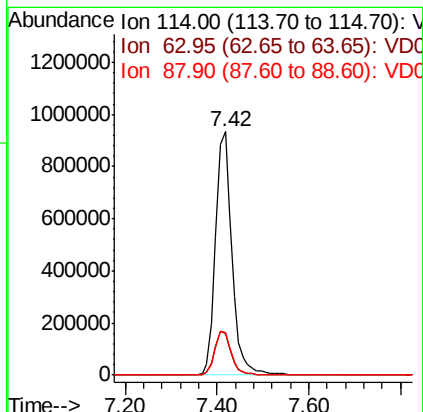
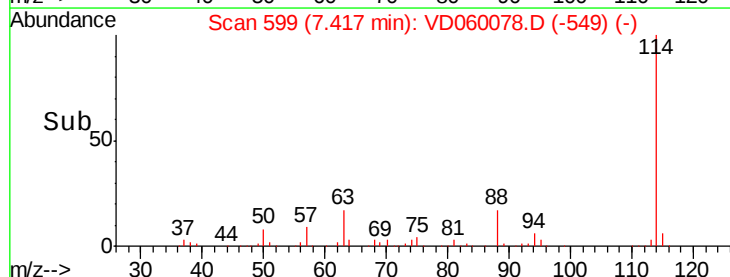
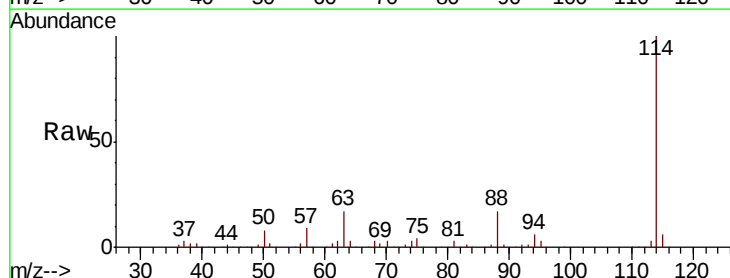
Tgt Ion: 114 Resp: 2283949

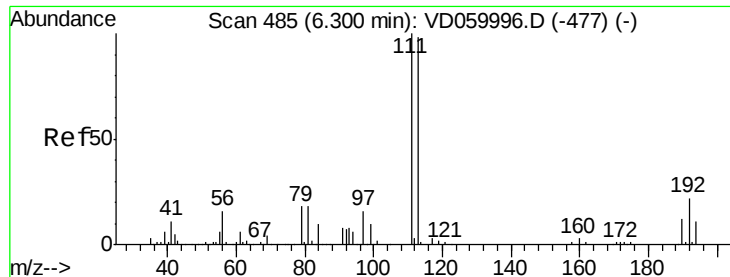
Ion Ratio Lower Upper

114 100

63 17.0 0.0 34.4

88 17.4 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

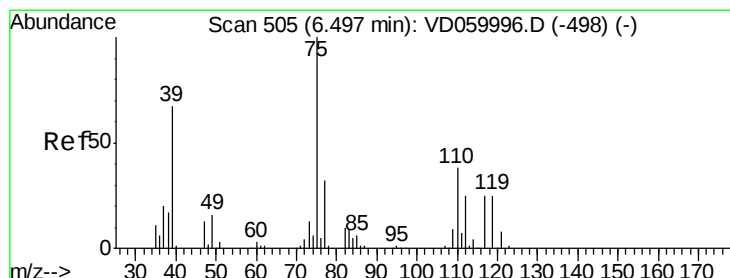
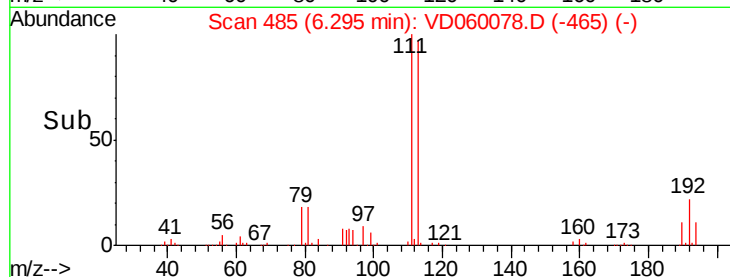
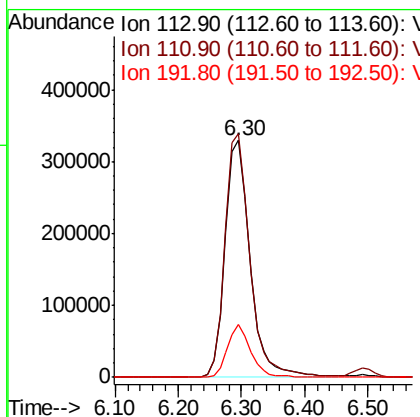
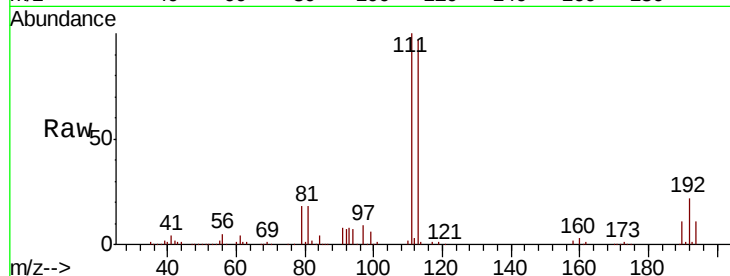
ClientSampleId :

VD0924SBS01

Tot Ion:	113	Resp:	910245
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.3	121.9
192	22.2	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.956 ug/l

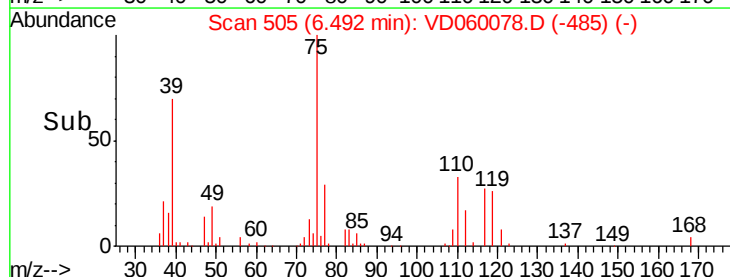
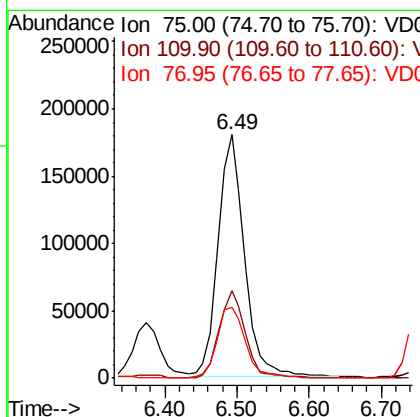
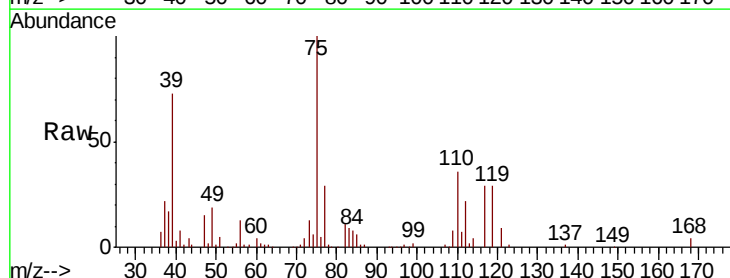
RT: 6.49 min Scan# 505

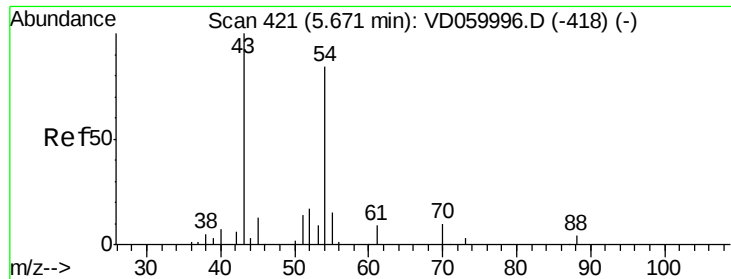
Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion:	75	Resp:	452744
Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.9	56.9
77	29.3	25.3	37.9





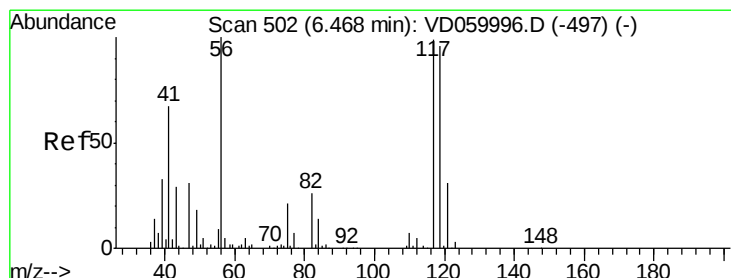
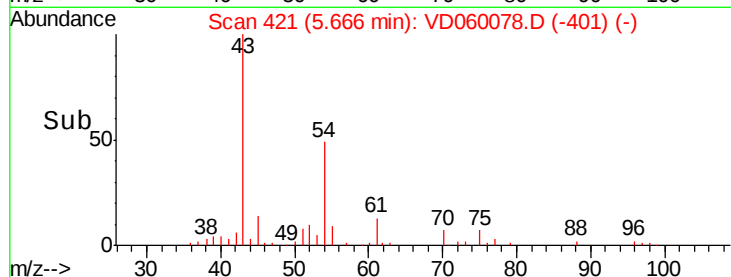
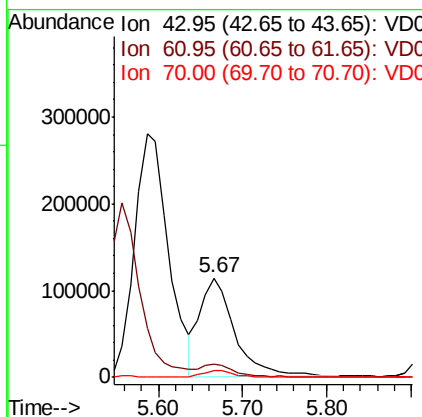
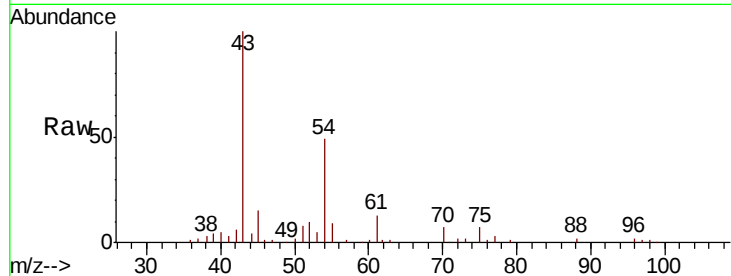
#37
Ethyl Acetate
Concen: 20.557 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	7.0	6.1	9.1

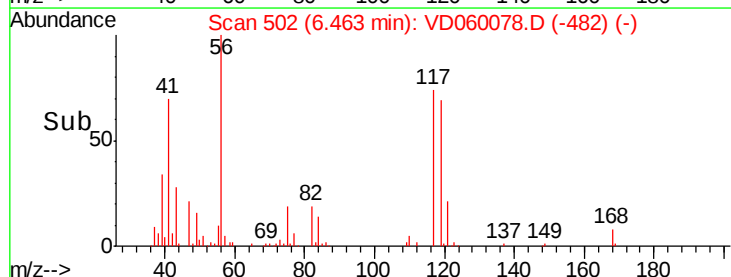
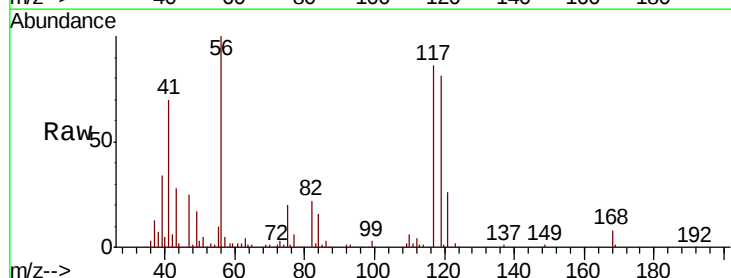
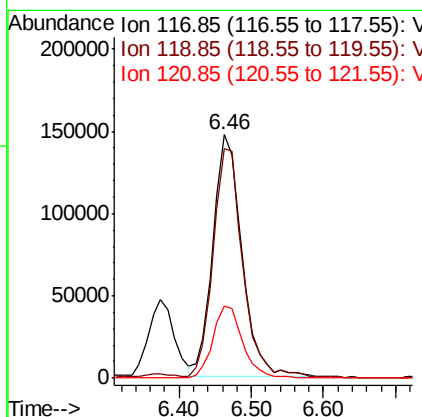
Manual Integrations
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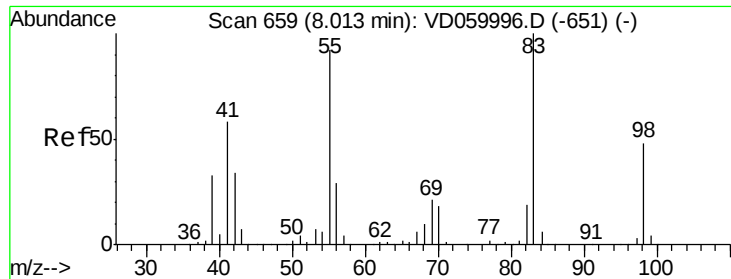
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#38
Carbon Tetrachloride
Concen: 19.384 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.7	115.1
121	29.6	24.9	37.3





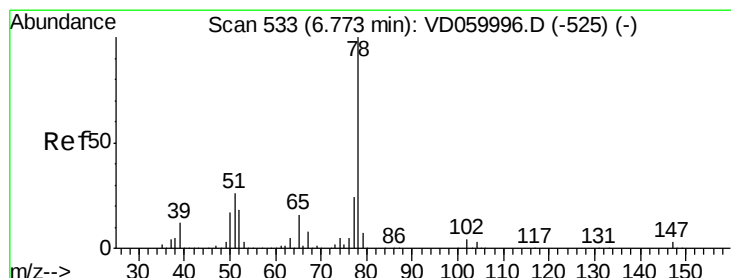
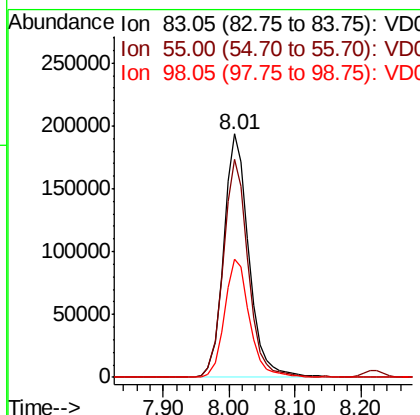
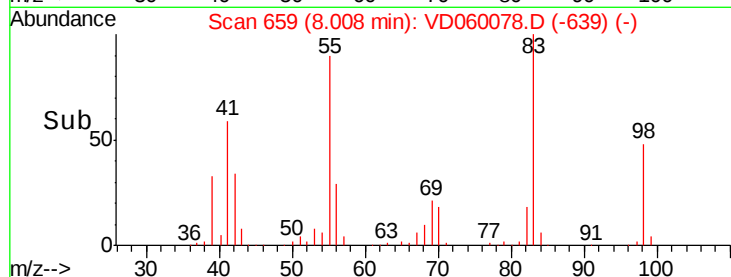
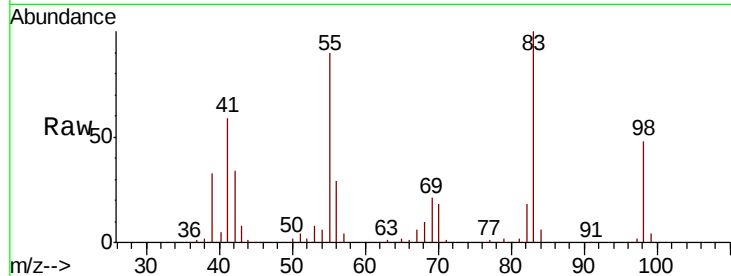
#39
Methvlcvclohexane
Concen: 20.091 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	73.8	110.6
98	48.4	38.1	57.1

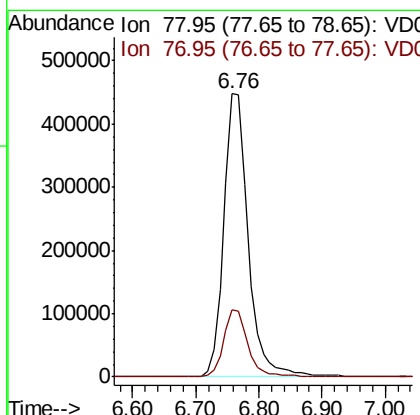
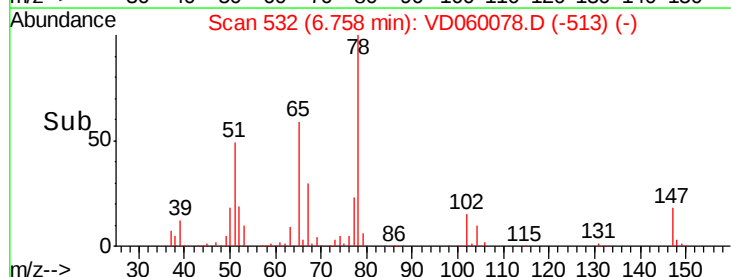
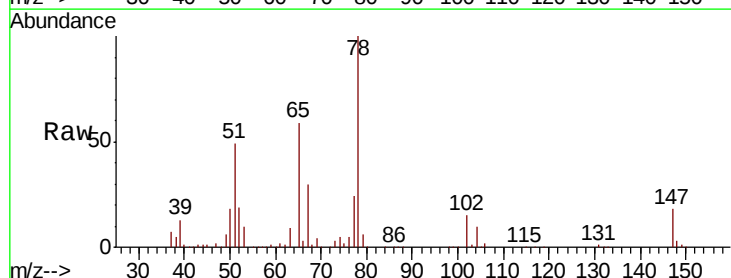
Manual Integrations
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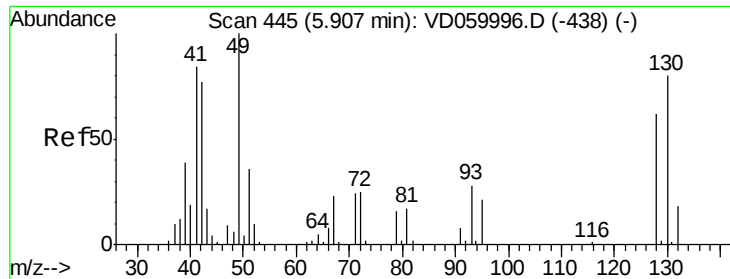
apatel
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#40
Benzene
Concen: 20.767 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 20.879 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.00 min

Lab File: VD060078.D

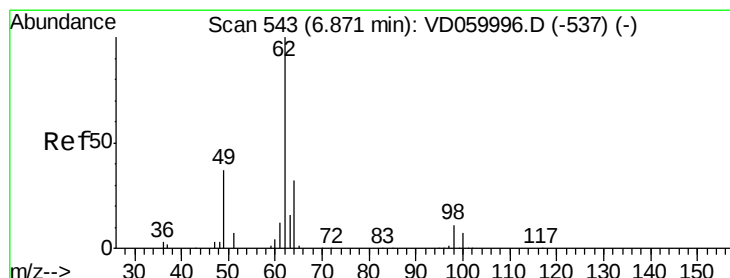
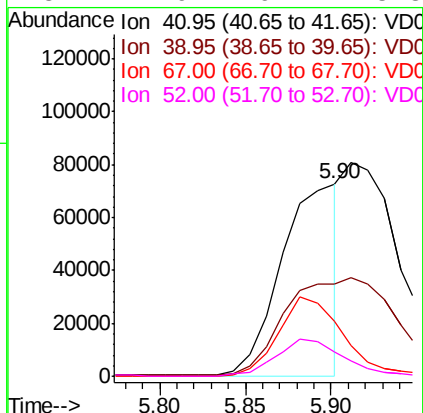
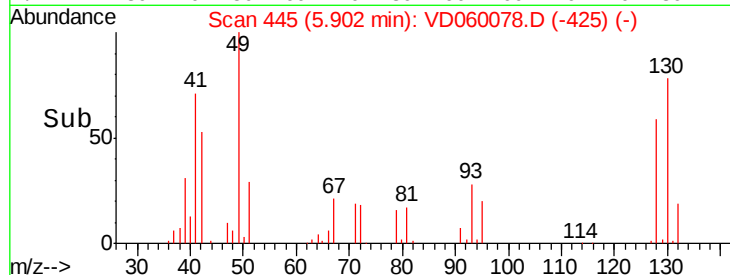
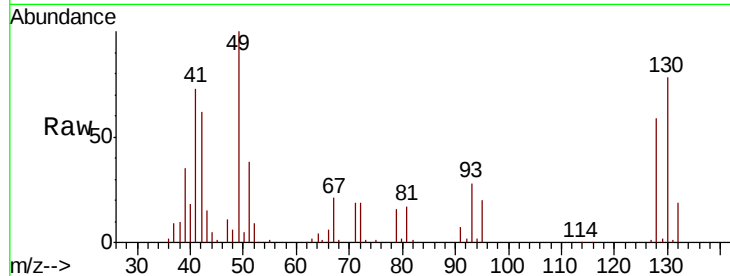
Acq: 24 Sep 2018 13:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		170612		
39	48.1	37.5	56.3		
67	28.7	21.5	32.3		
52	12.9	9.2	13.8		

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

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#42

1,2-Dichloroethane

Concen: 20.765 ug/l

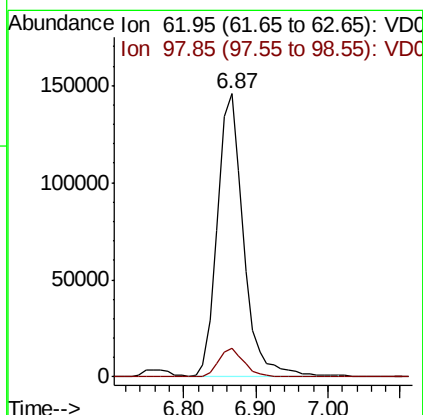
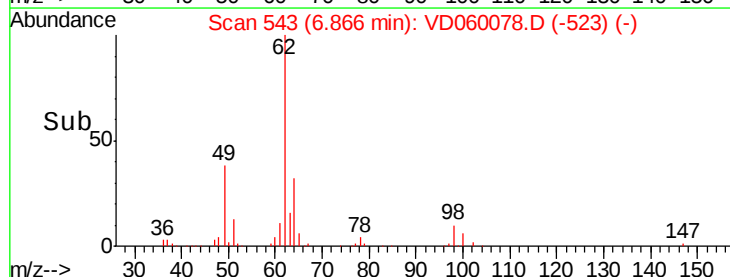
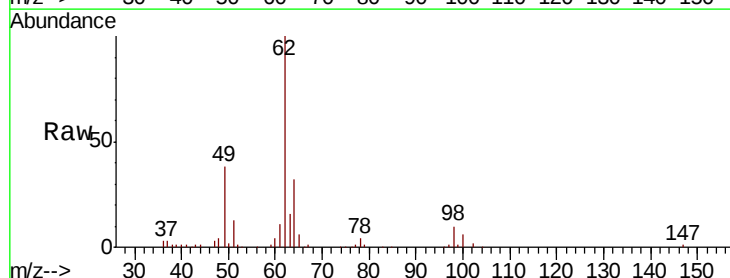
RT: 6.87 min Scan# 543

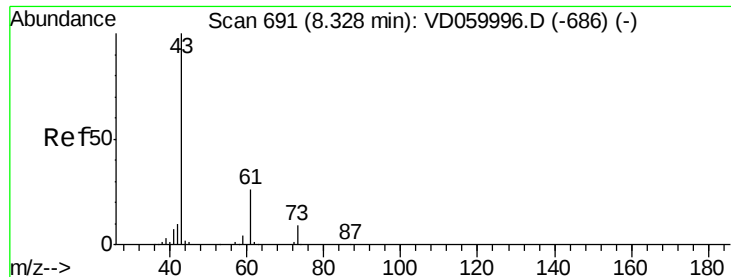
Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		360537		
98	10.2	0.0	21.4		





#43

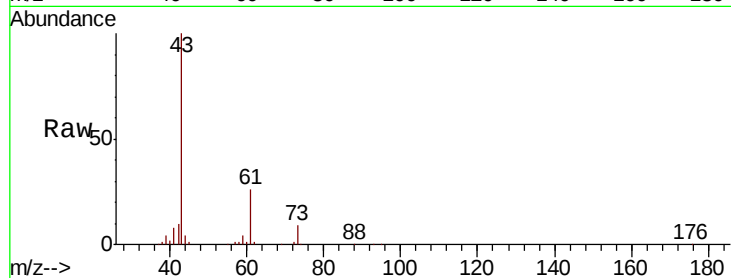
Isopropyl Acetate
 Concen: 20.492 ug/l
 RT: 8.32 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0924SBS01

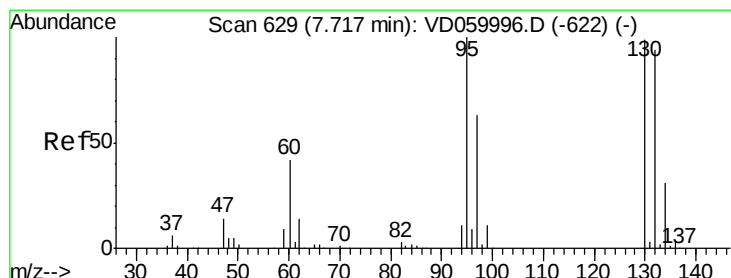
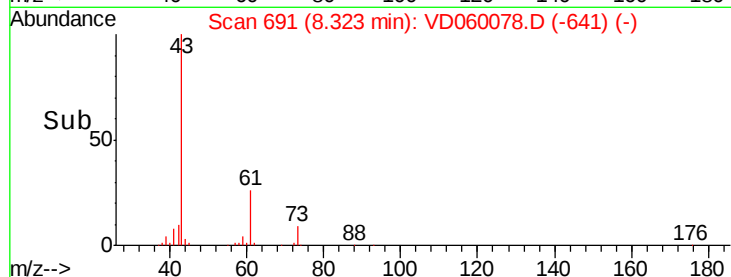
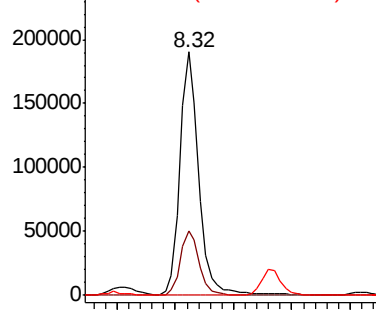
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.0	31.6
87	0.0	0.2	0.2

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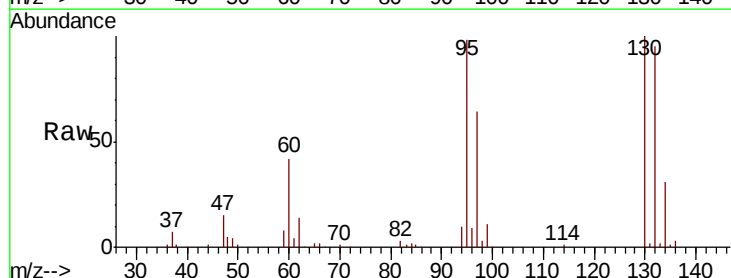
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



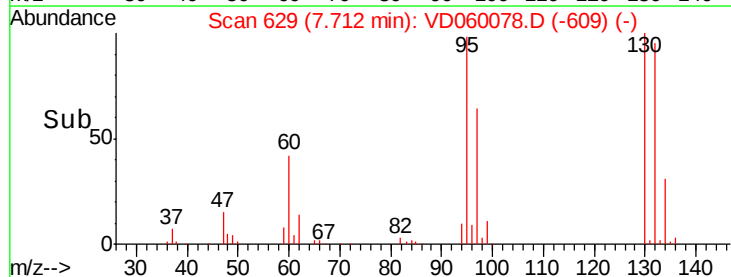
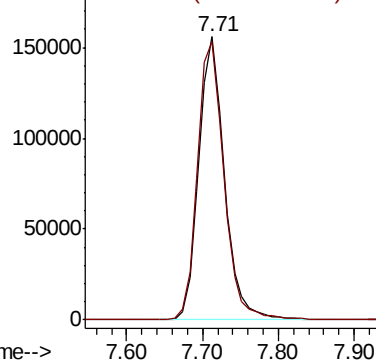
#44

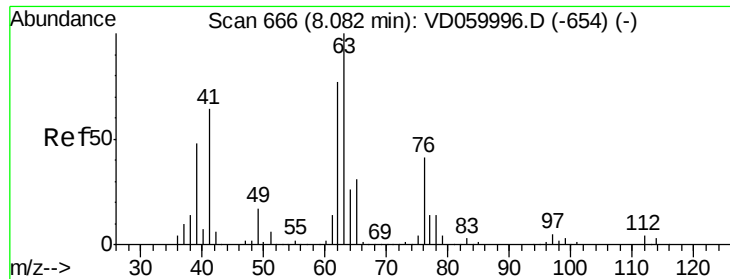
Trichloroethene
 Concen: 20.416 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





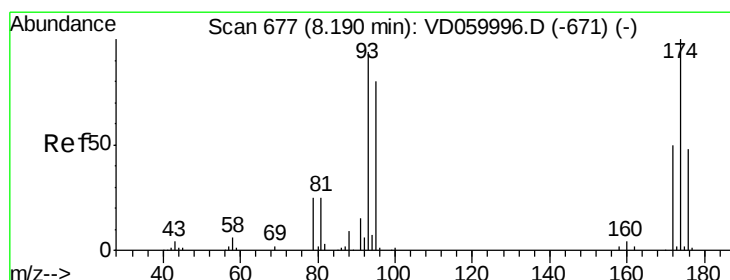
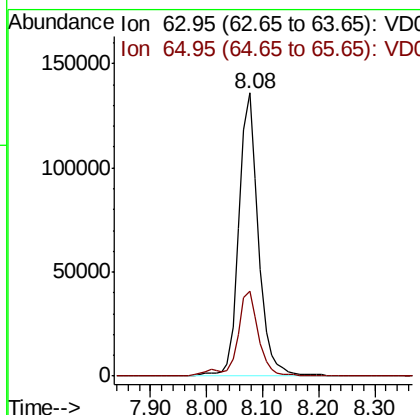
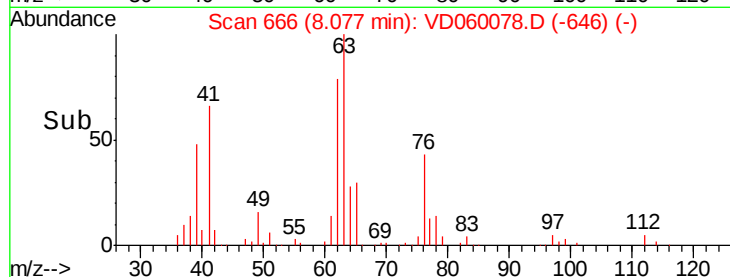
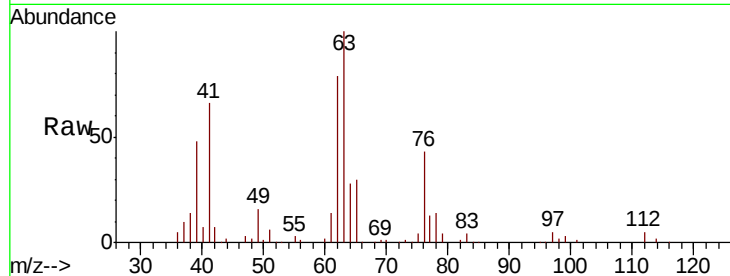
#45
 1,2-Dichloropropane
 Concen: 21.292 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion: 63 Resp: 329219
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

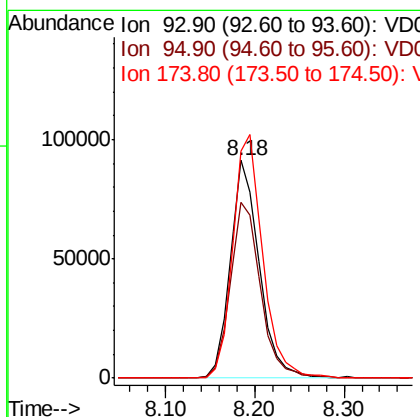
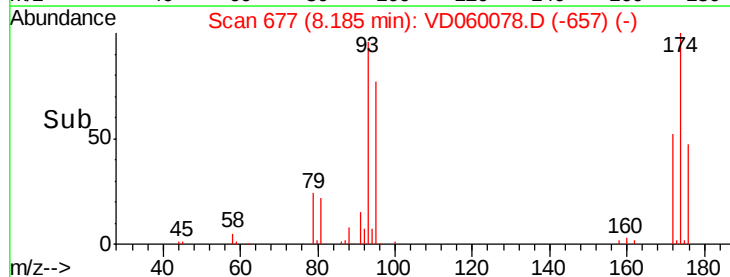
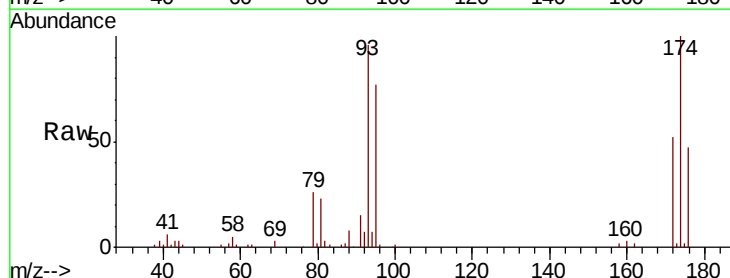
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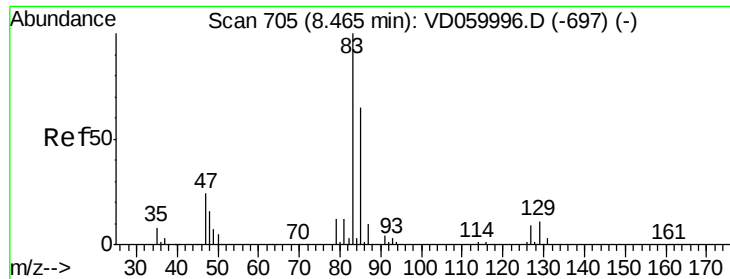
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#46
 Dibromomethane
 Concen: 20.619 ug/l
 RT: 8.18 min Scan# 677
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 93 Resp: 208015
 Ion Ratio Lower Upper
 93 100
 95 81.0 68.0 102.0
 174 104.5 85.4 128.2





#47

Bromodichloromethane

Concen: 20.552 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

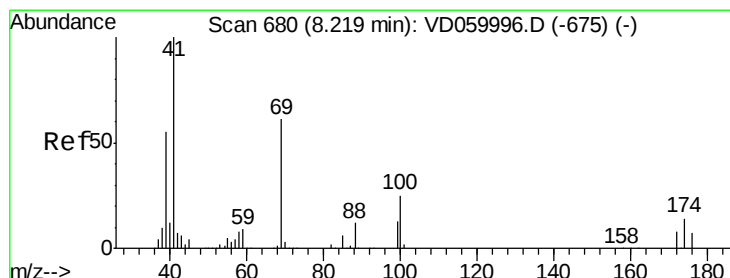
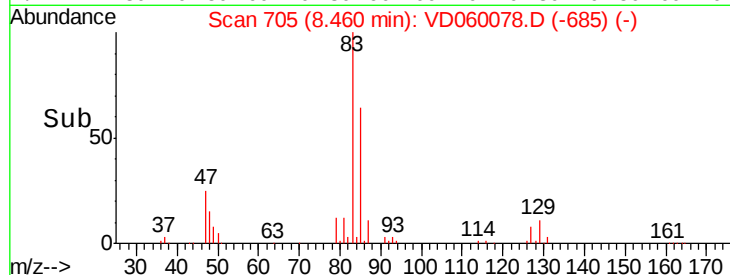
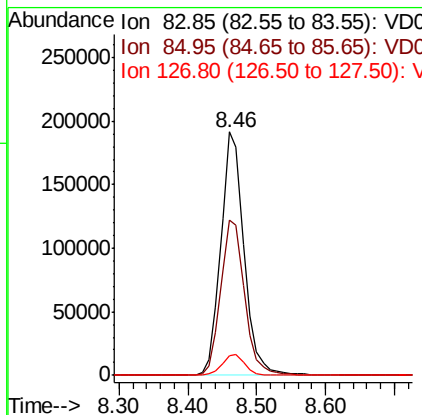
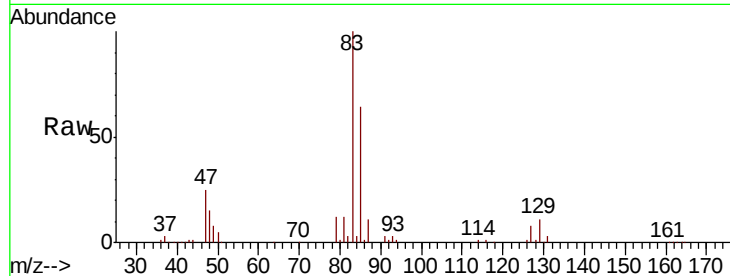
ClientSampleId :

VD0924SBS01

Tot Ion:	83	Resp:	447028
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.9	77.9
127	8.2	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.007 ug/l

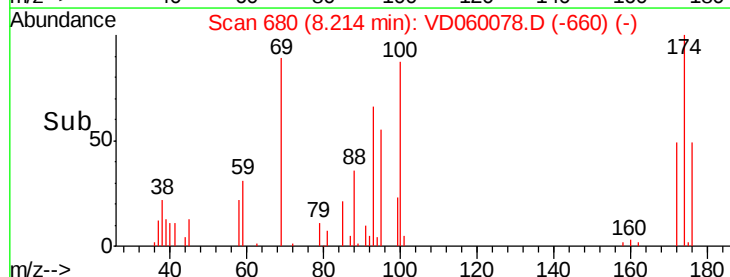
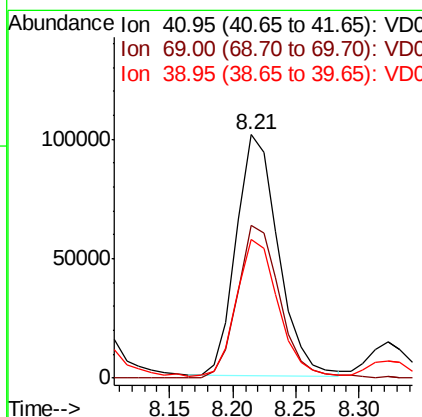
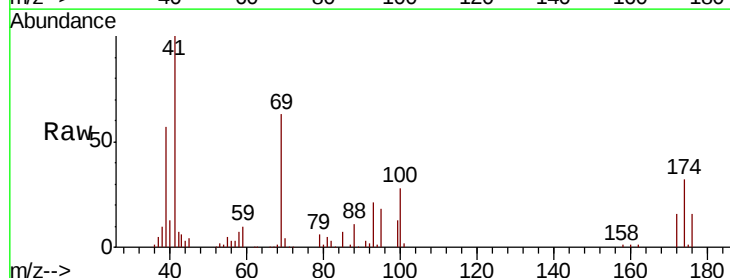
RT: 8.21 min Scan# 680

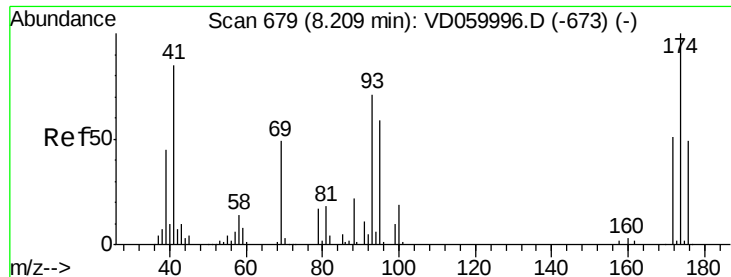
Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion:	41	Resp:	232766
Ion Ratio	Lower	Upper	
41	100		
69	62.8	48.3	72.5
39	57.0	44.1	66.1





#49

1,4-Dioxane

Concen: 394.788 ug/l

RT: 8.20 min Scan# 679

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 88 Resp: 45619

Ion Ratio Lower Upper

88 100

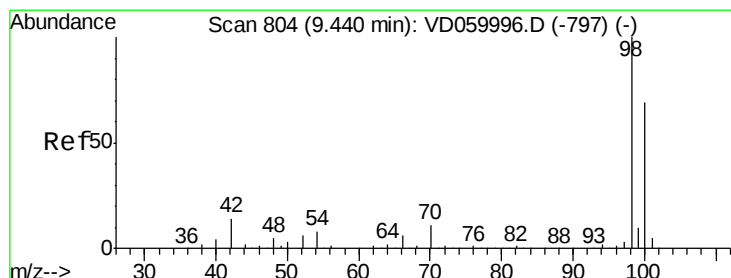
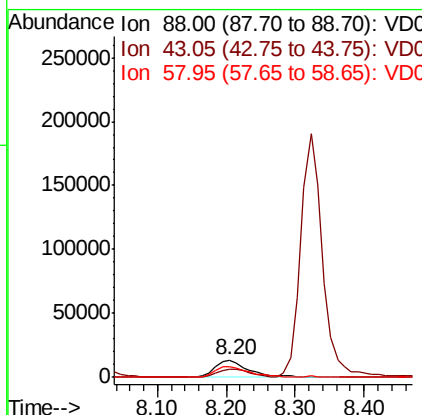
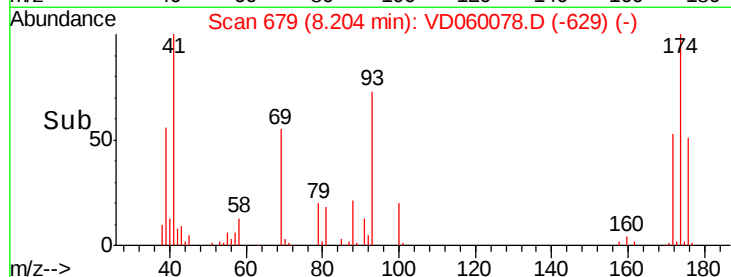
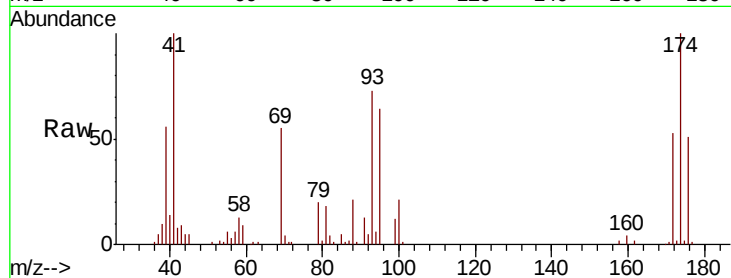
43 45.6 36.2 54.2

58 62.0 51.0 76.6

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#50

Toluene-d8

Concen: 394.788 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD060078.D

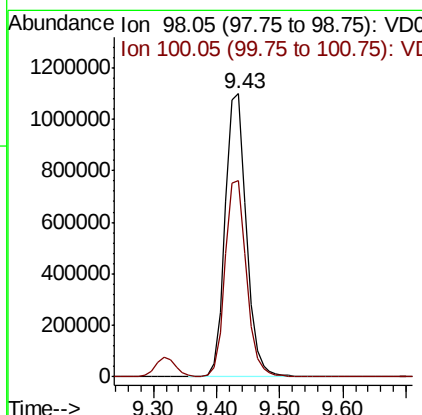
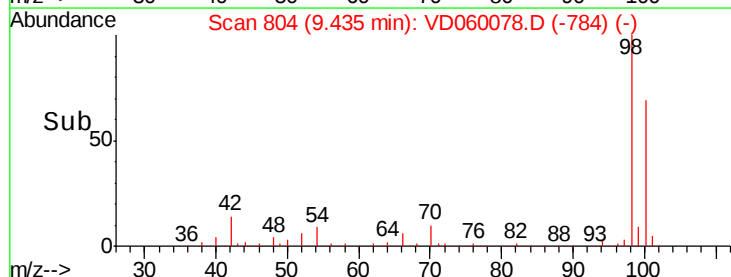
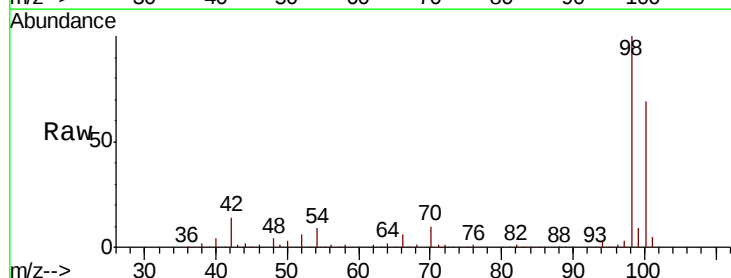
Acq: 24 Sep 2018 13:23

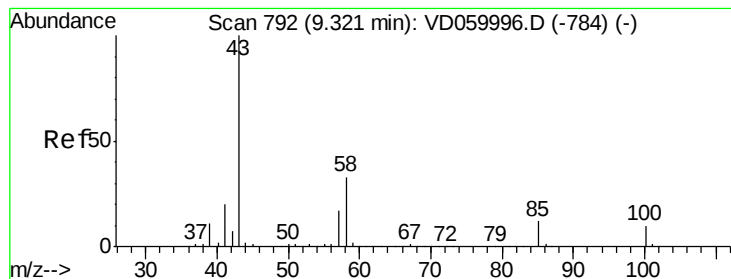
Tgt Ion: 98 Resp: 2560827

Ion Ratio Lower Upper

98 100

100 69.4 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 109.635 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 1671238

Ion Ratio Lower Upper

43 100

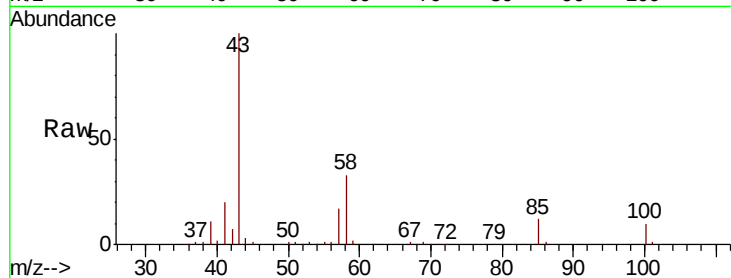
58 32.9 26.4 39.6

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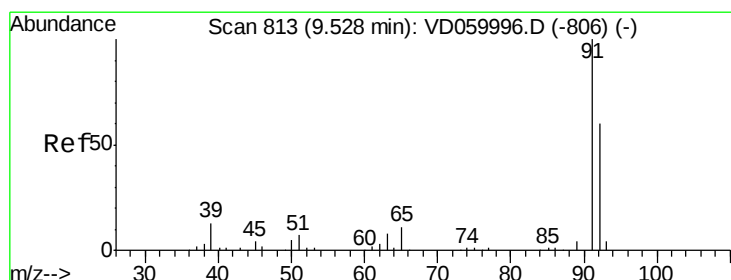
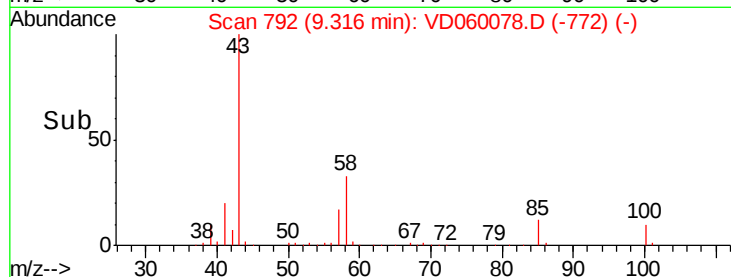
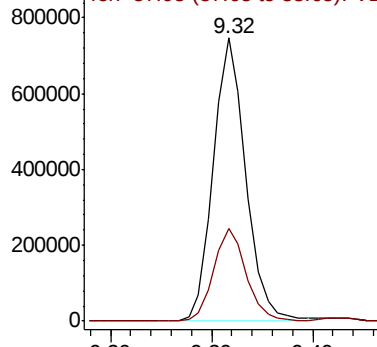
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.361 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD060078.D

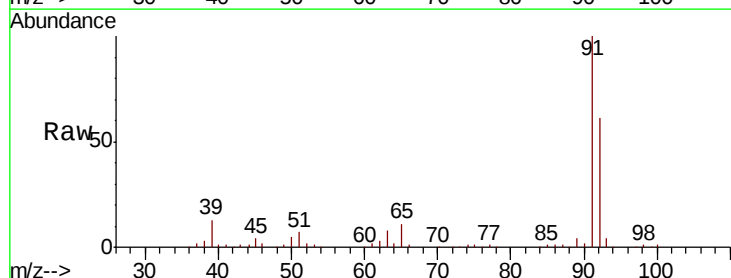
Acq: 24 Sep 2018 13:23

Tgt Ion: 92 Resp: 791730

Ion Ratio Lower Upper

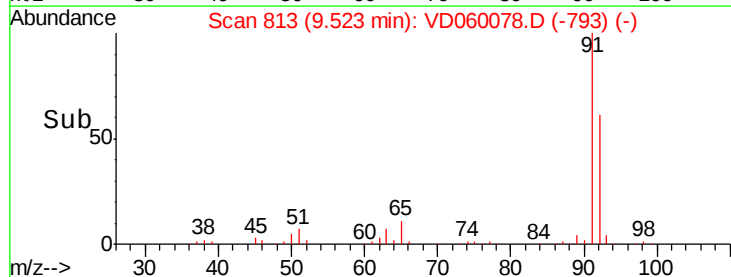
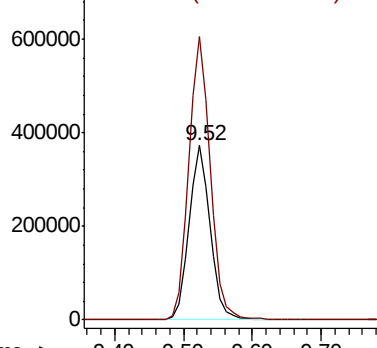
92 100

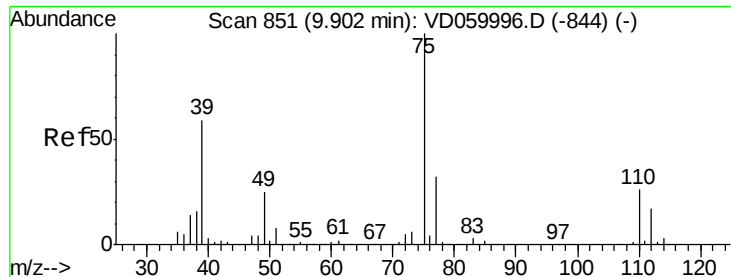
91 162.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.527 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tot Ion: 75 Resp: 416412

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

Instrument :

MSVOA_D

ClientSampleId :

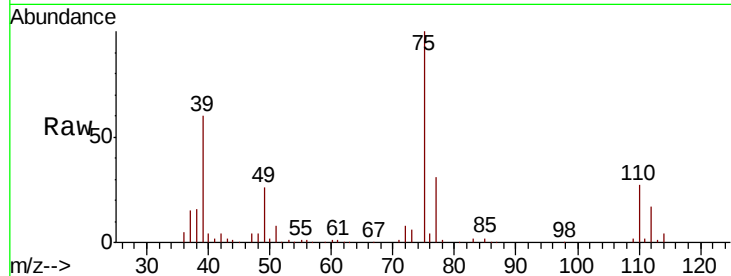
VD0924SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

200000

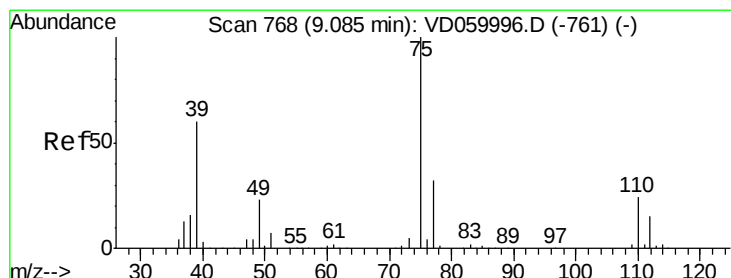
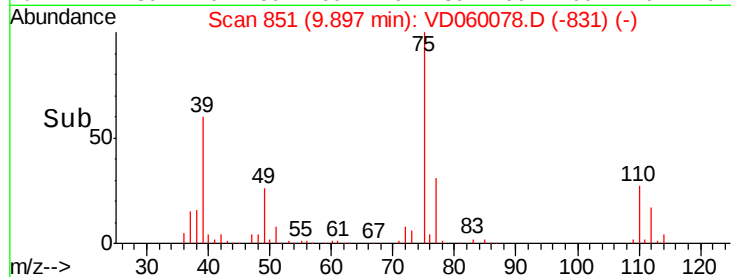
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.912 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

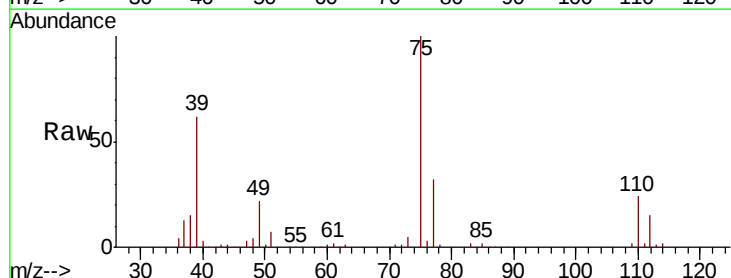
Tgt Ion: 75 Resp: 506868

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 61.5 48.0 72.0



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

300000

250000

200000

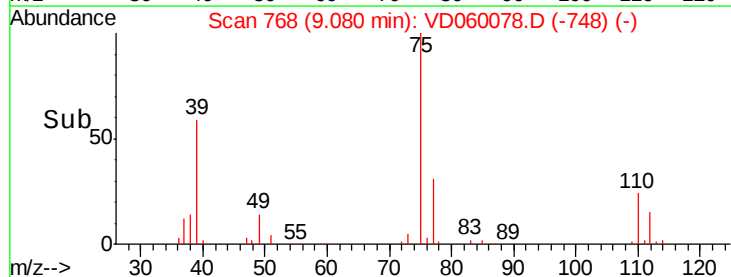
150000

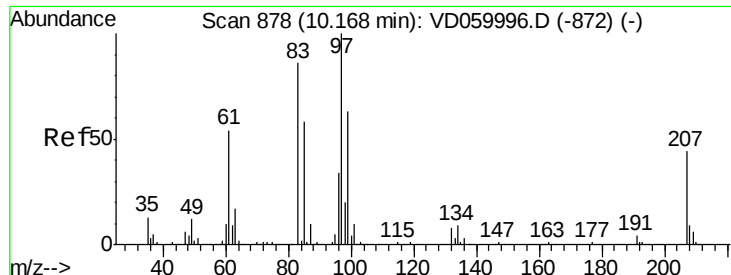
100000

50000

0

Time-->





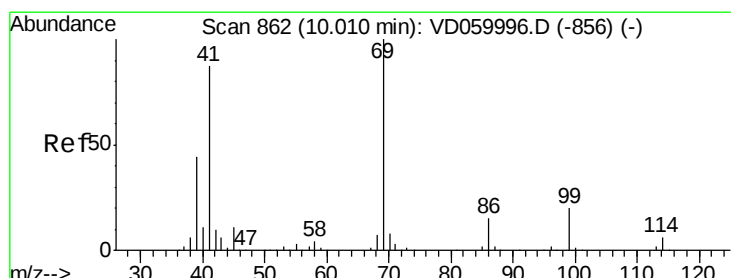
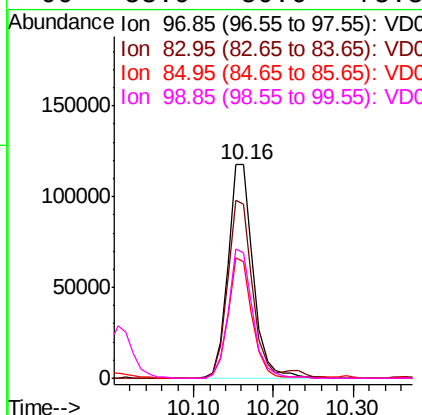
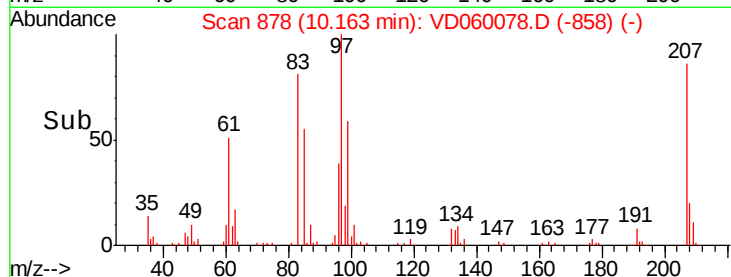
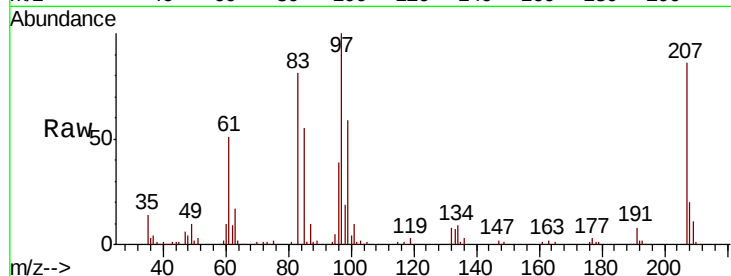
#55
 1,1,2-Trichloroethane
 Concen: 20.242 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	97	Resp	260492
Ion Ratio	Lower	Upper	
97	100		
83	81.2	69.1	103.7
85	54.8	46.2	69.4
99	58.9	50.6	75.8

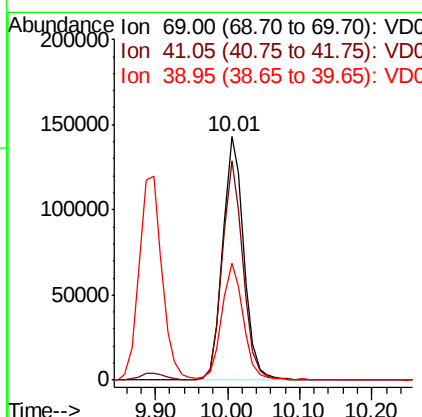
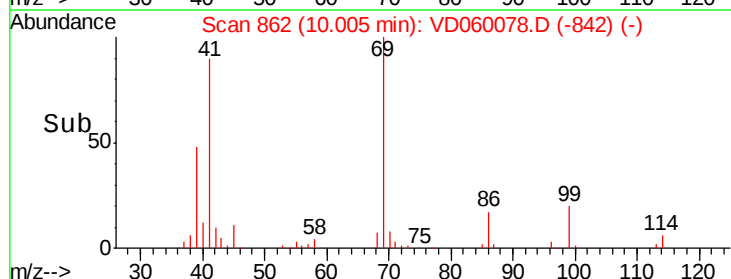
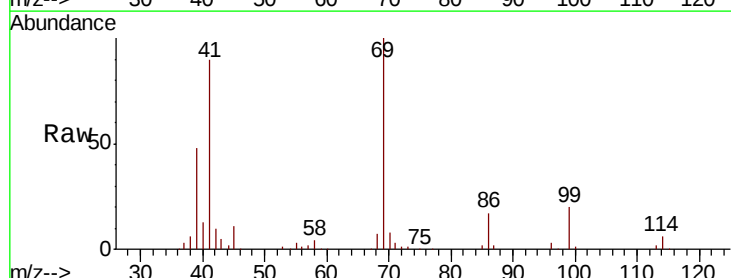
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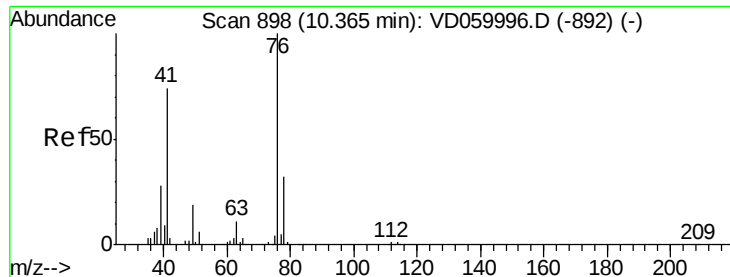
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#56
 Ethyl methacrylate
 Concen: 20.279 ug/l
 RT: 10.01 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	69	Resp	289463
Ion Ratio	Lower	Upper	
69	100		
41	89.9	70.1	105.1
39	48.2	36.5	54.7





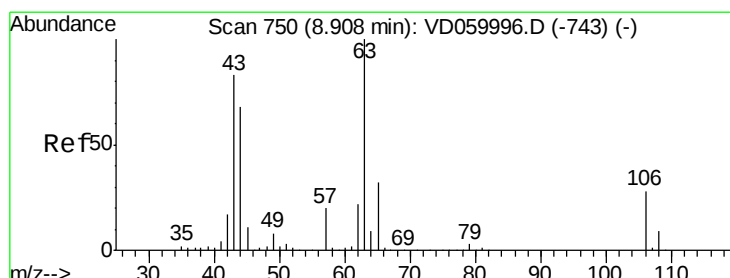
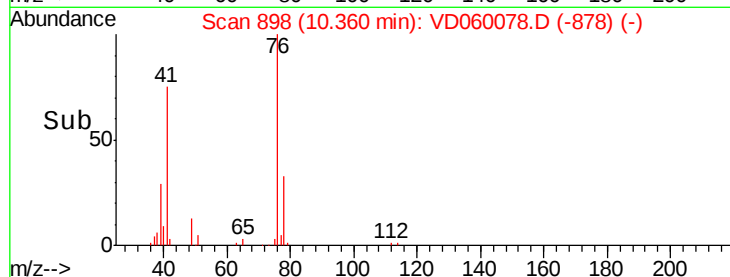
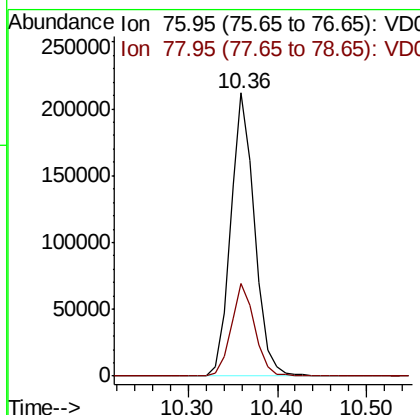
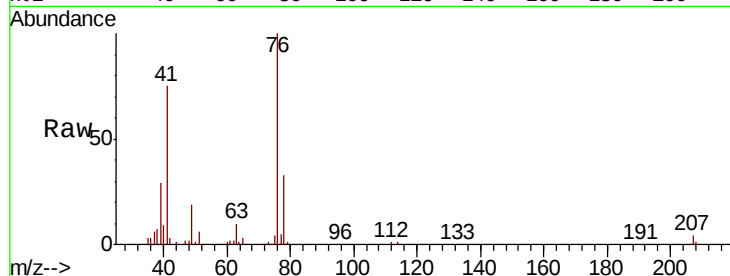
#57
 1,3-Dichloropropane
 Concen: 20.982 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion: 76 Resp: 398573
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.3 37.9

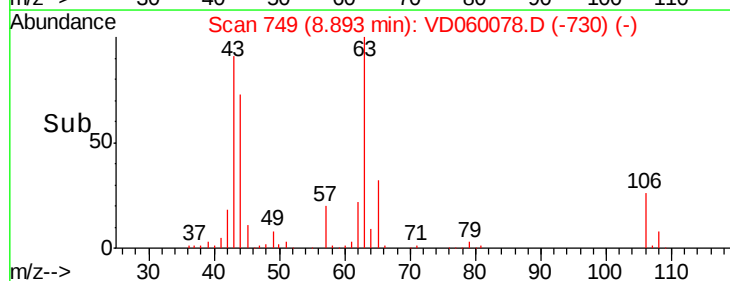
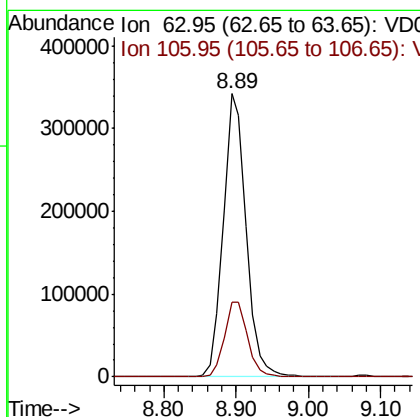
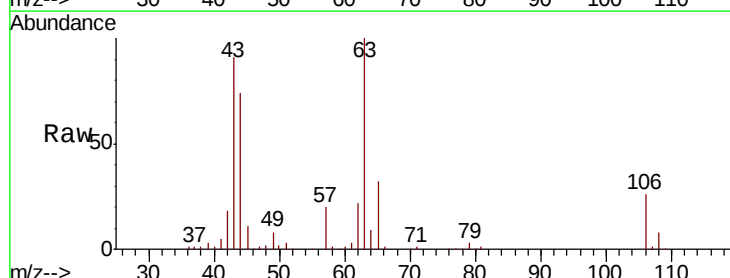
Manual Integrations
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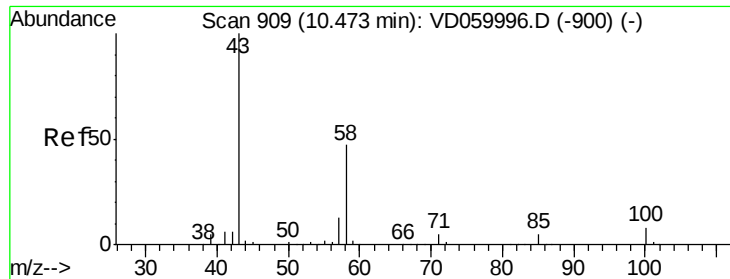
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.449 ug/l
 RT: 8.89 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion: 63 Resp: 747519
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.0 33.0





#59

2-Hexanone

Concen: 112.397 ug/l

RT: 10.47 min Scan# 909

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 43 Resp: 1229757

Ion Ratio Lower Upper

43 100

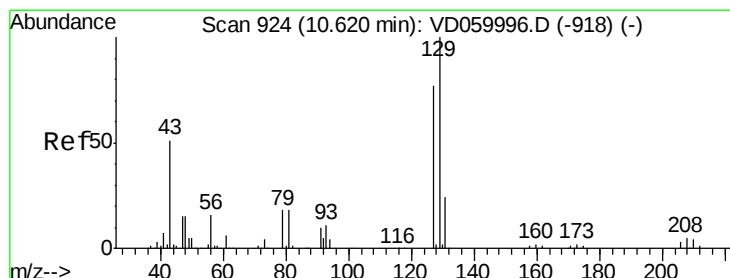
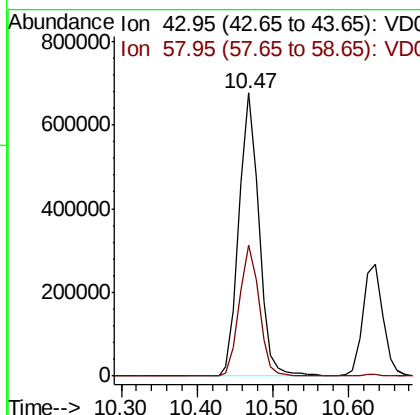
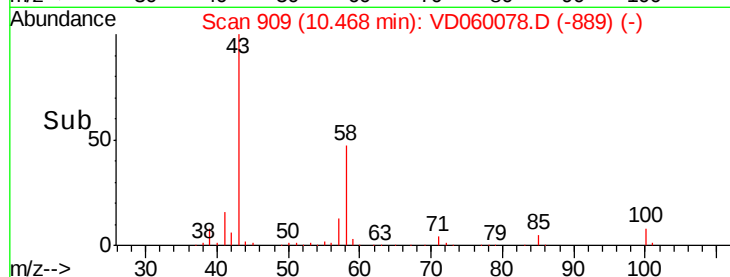
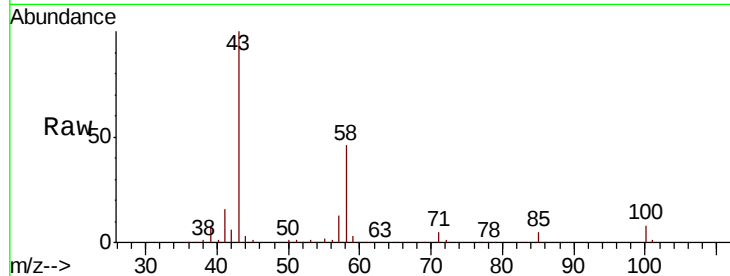
58 46.4 23.4 70.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 20.584 ug/l

RT: 10.62 min Scan# 924

Delta R.T. -0.00 min

Lab File: VD060078.D

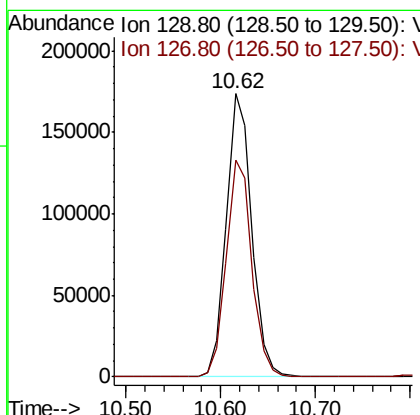
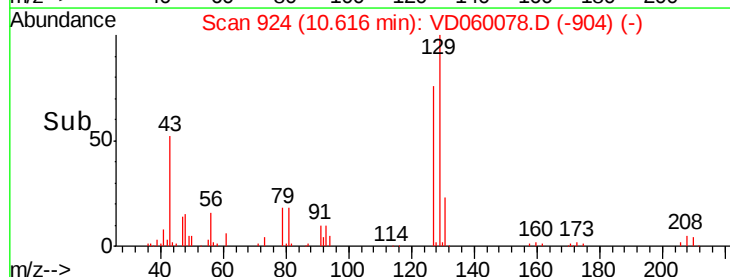
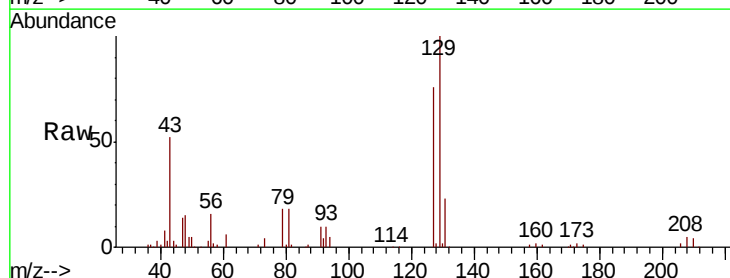
Acq: 24 Sep 2018 13:23

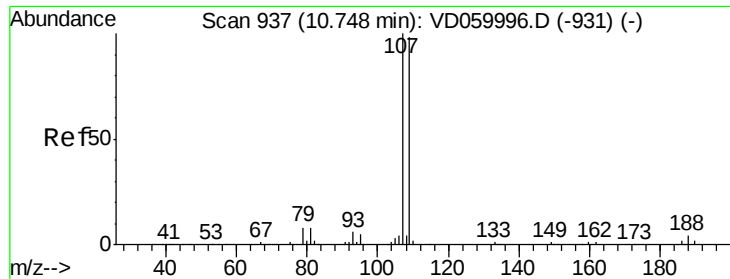
Tgt Ion: 129 Resp: 322422

Ion Ratio Lower Upper

129 100

127 76.4 38.6 116.0





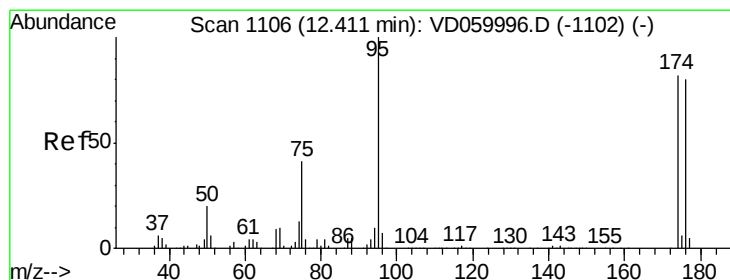
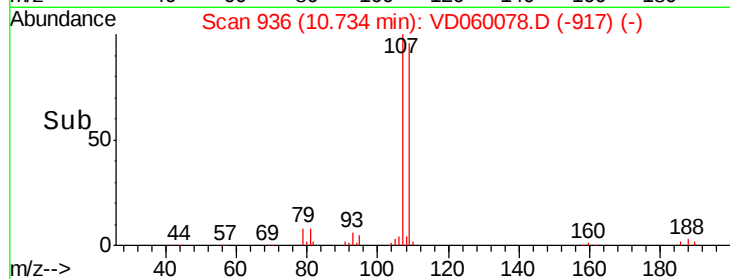
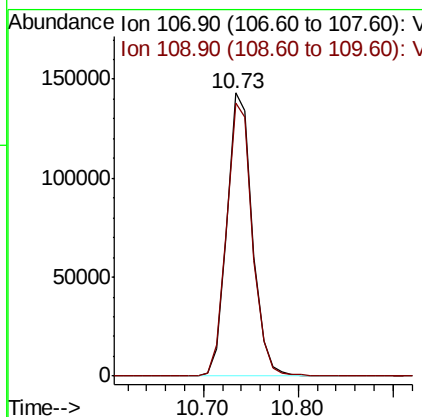
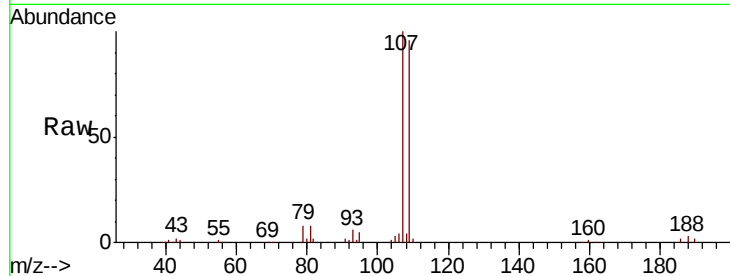
#61
 1,2-Dibromoethane
 Concen: 19.883 ug/l
 RT: 10.73 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	78.2	117.2

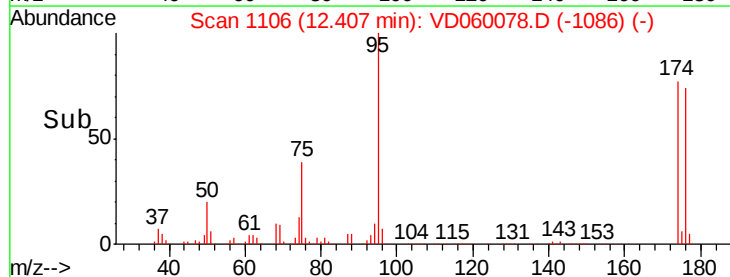
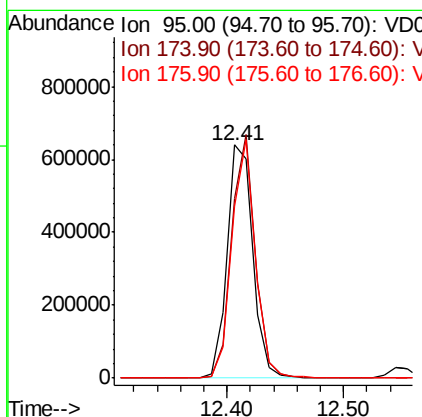
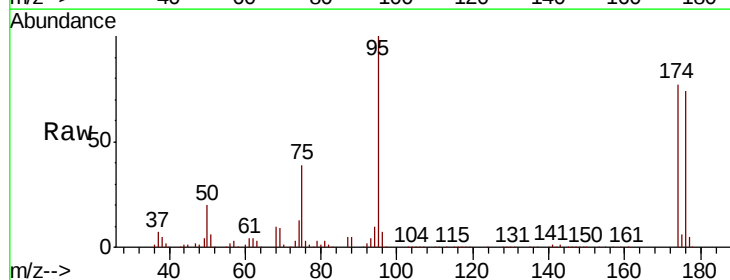
Manual Integrations
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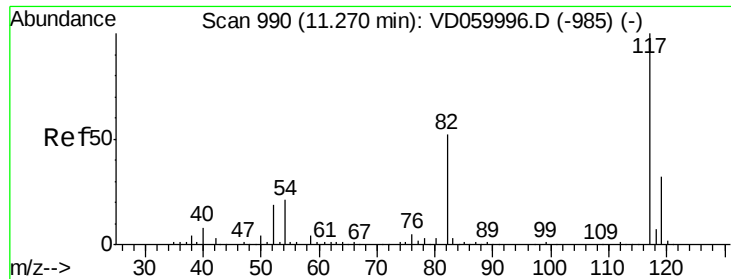
apatel
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#62
 4-Bromofluorobenzene
 Concen: 19.883 ug/l
 RT: 12.41 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	165.0
176	73.8	0.0	160.2





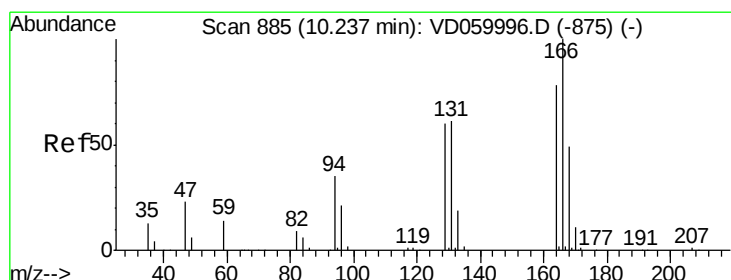
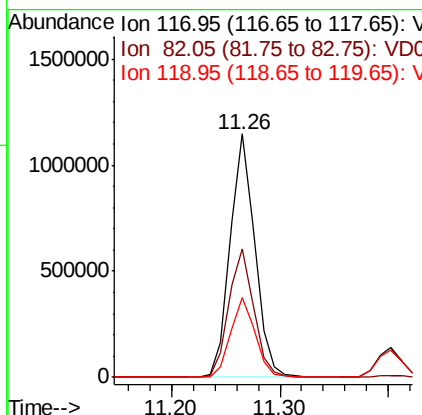
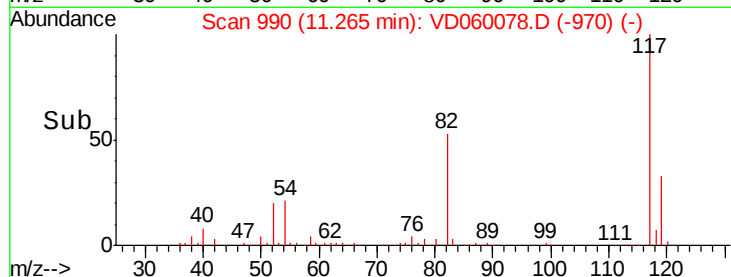
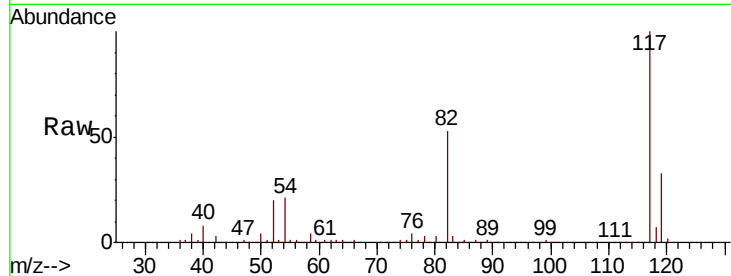
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion:117 Resp: 1833460
Ion Ratio Lower Upper
117 100
82 52.7 41.7 62.5
119 32.5 26.0 39.0

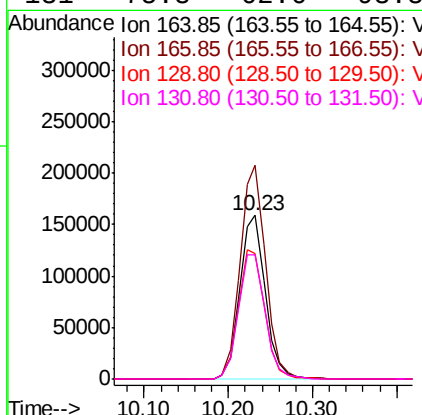
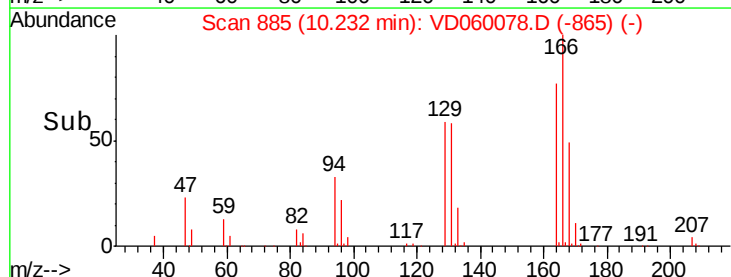
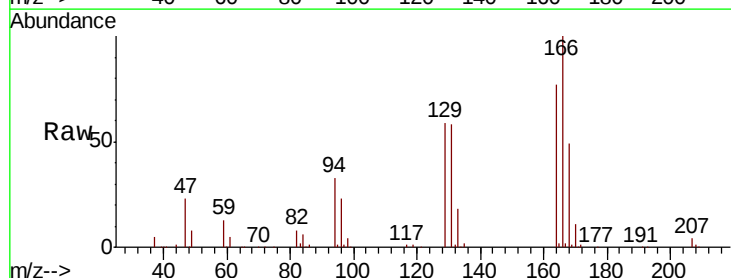
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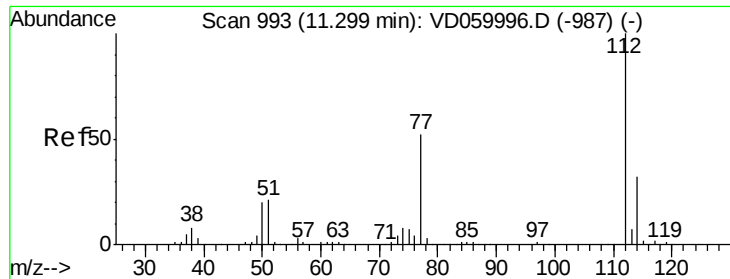
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#64
Tetrachloroethene
Concen: 20.789 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:164 Resp: 336299
Ion Ratio Lower Upper
164 100
166 130.7 103.0 154.6
129 77.1 61.9 92.9
131 75.8 62.6 93.8





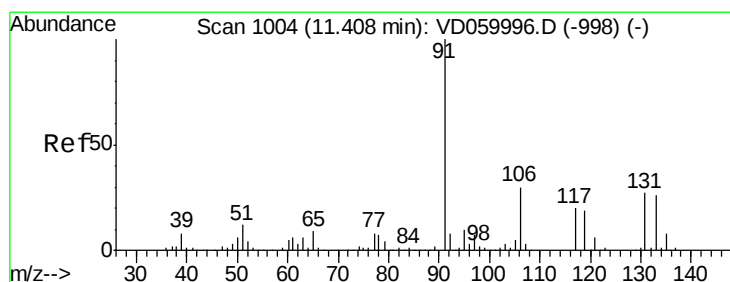
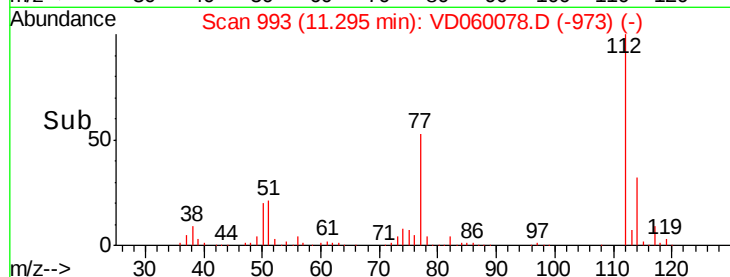
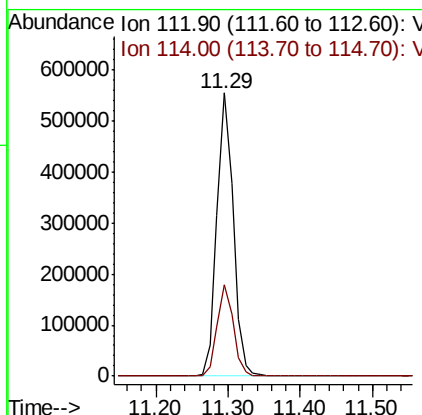
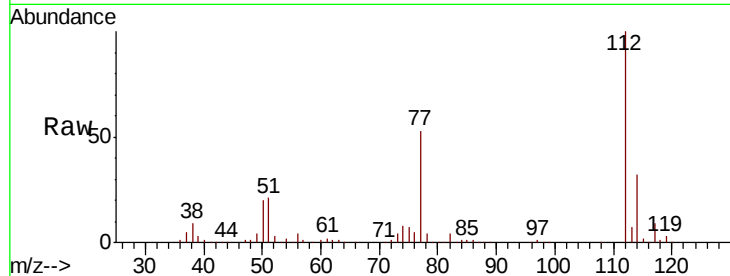
#65
Chlorobenzene
Concen: 21.909 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion:112 Resp: 863615
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

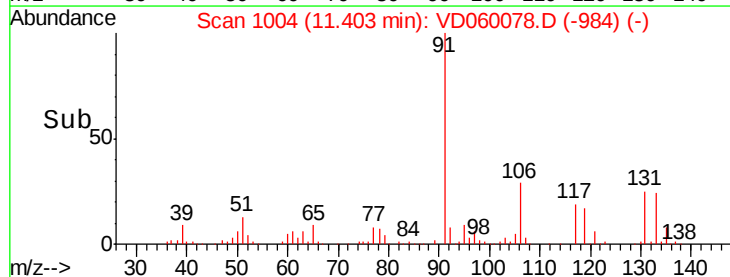
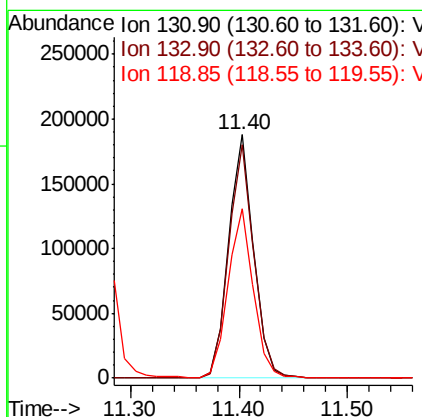
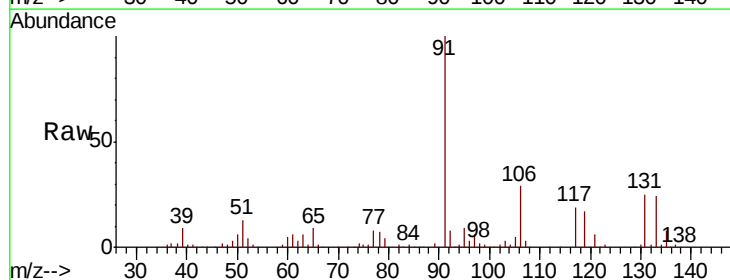
Manual Integrations
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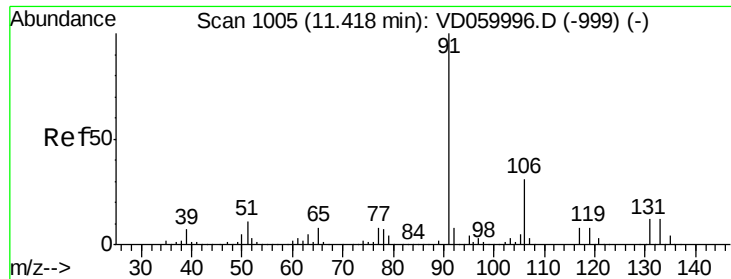
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.715 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:131 Resp: 302004
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 69.3 35.6 106.9





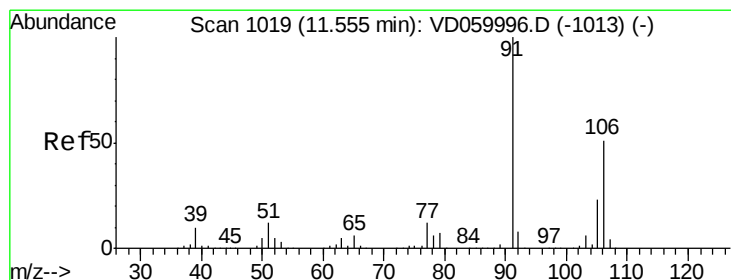
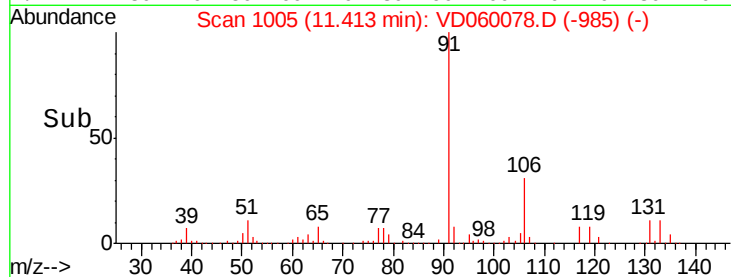
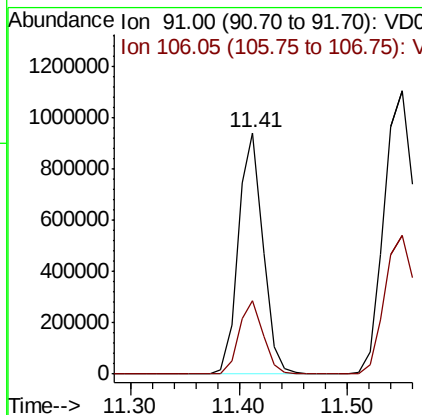
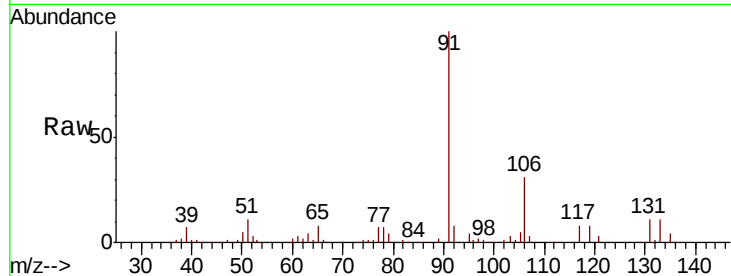
#67
Ethyl Benzene
Concen: 23.471 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 1488908
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2

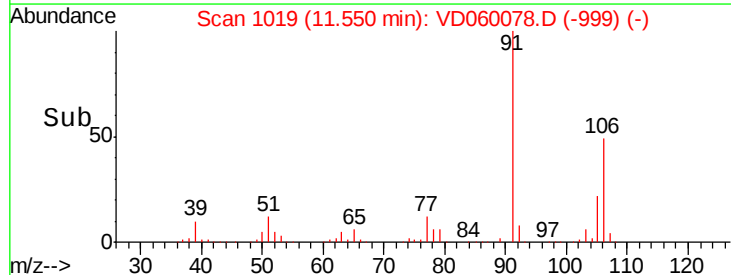
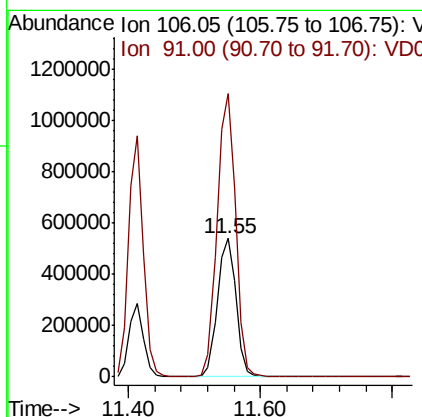
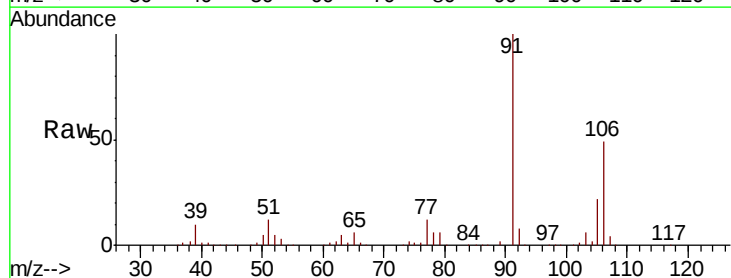
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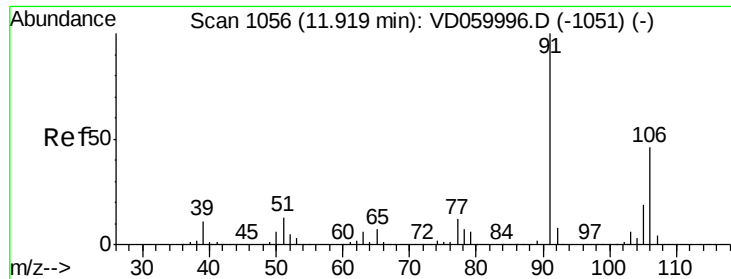
apatel
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#68
m/p-Xylenes
Concen: 44.890 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 106 Resp: 1051681
Ion Ratio Lower Upper
106 100
91 204.8 157.0 235.6





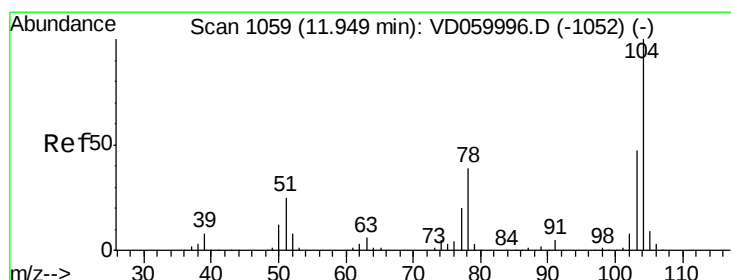
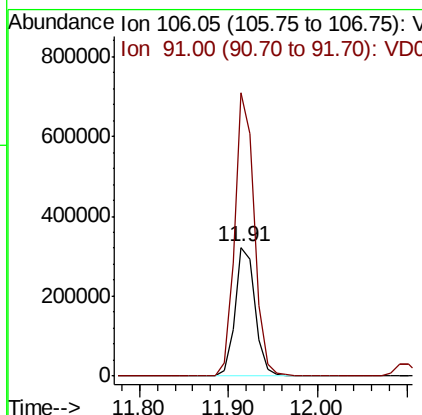
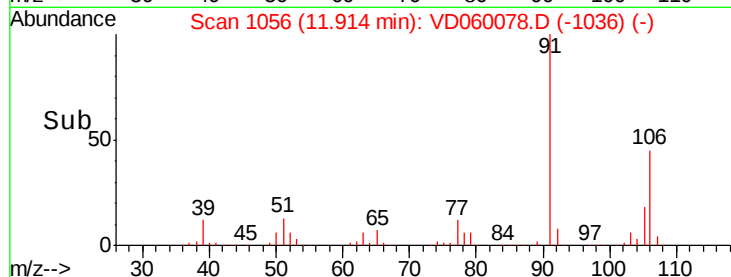
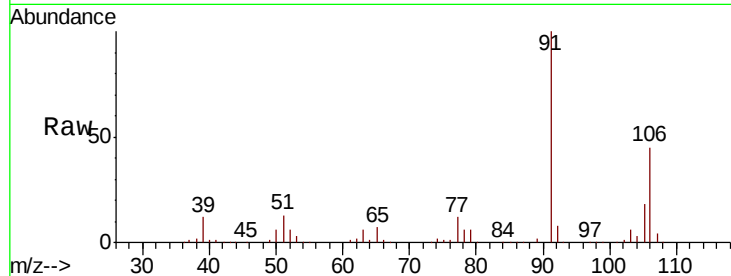
#69
o-Xylene
Concen: 21.993 ug/l
RT: 11.91 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion:106 Resp: 510550
Ion Ratio Lower Upper
106 100
91 220.2 107.7 323.1

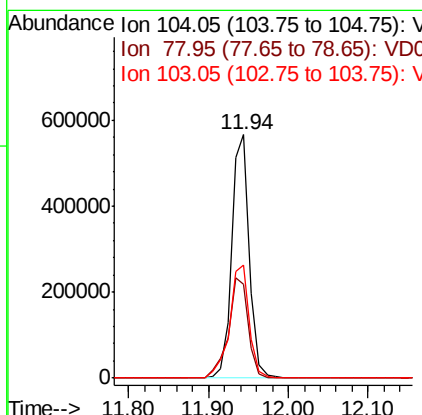
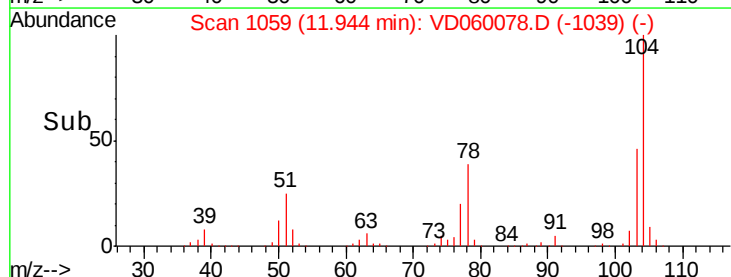
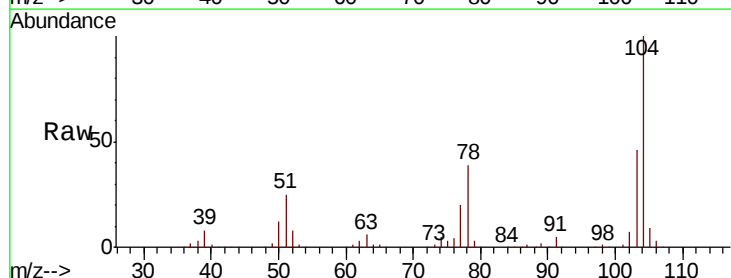
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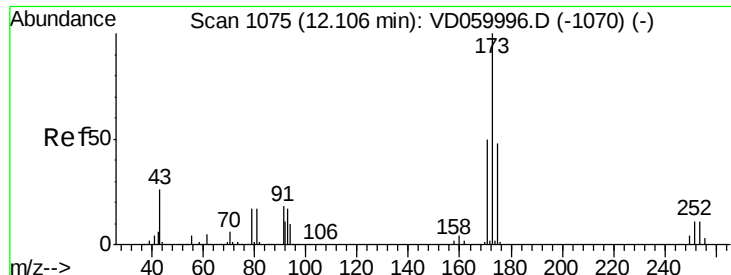
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#70
Styrene
Concen: 22.439 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion:104 Resp: 875821
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 46.2 37.6 56.4





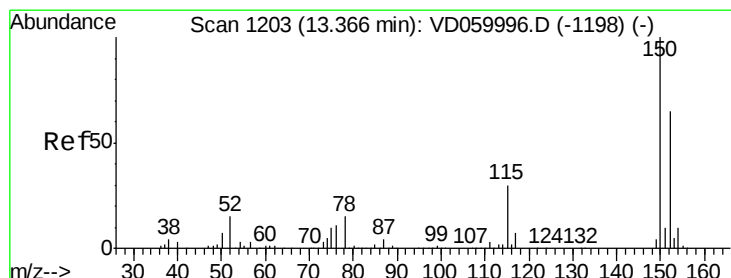
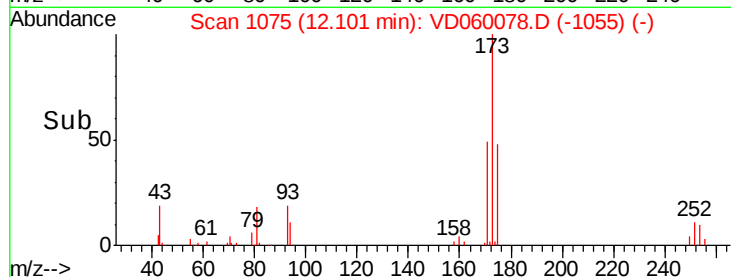
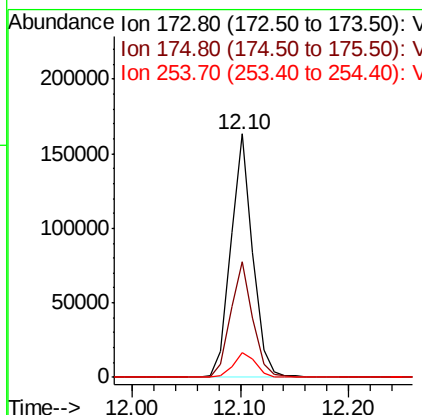
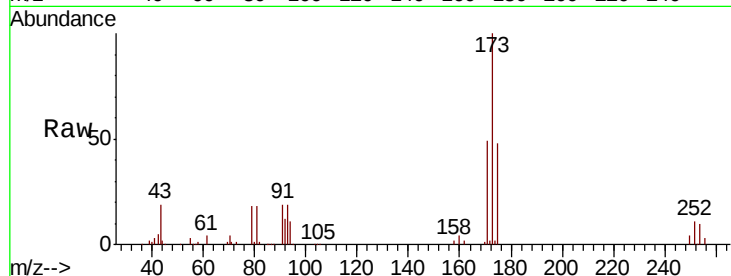
#71
Bromoform
Concen: 20.029 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.0	72.0
254	10.1	8.6	13.0

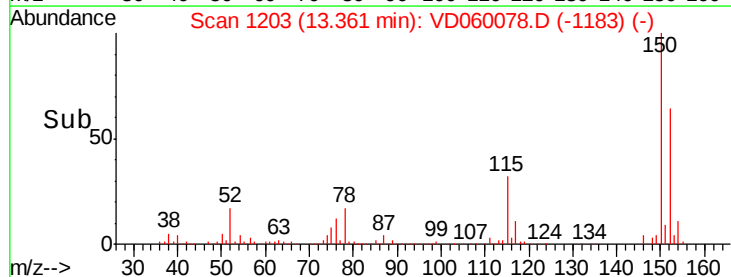
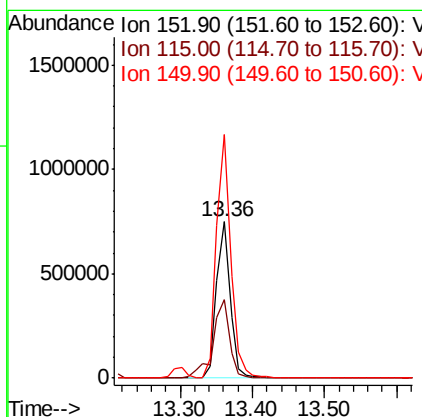
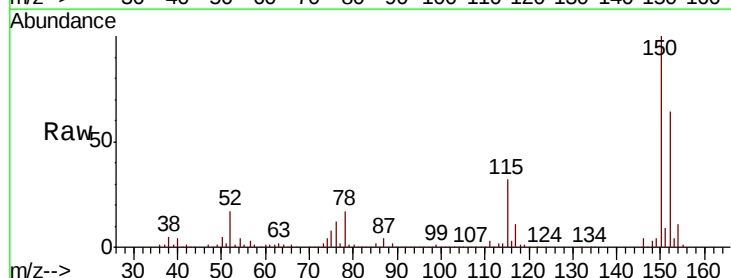
Manual Integrations
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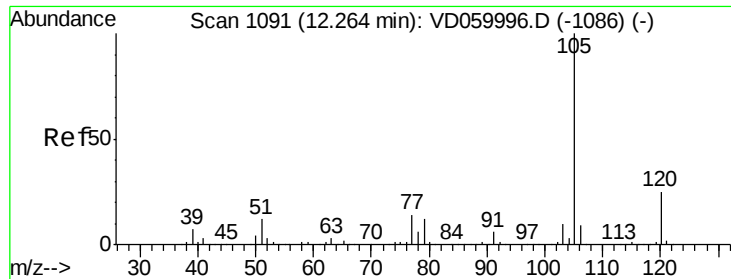
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.0	24.6	73.8
150	155.7	0.0	313.4





#73

Isopropylbenzene

Concen: 22.698 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 105 Resp: 1454760

Ion Ratio Lower Upper

105 100

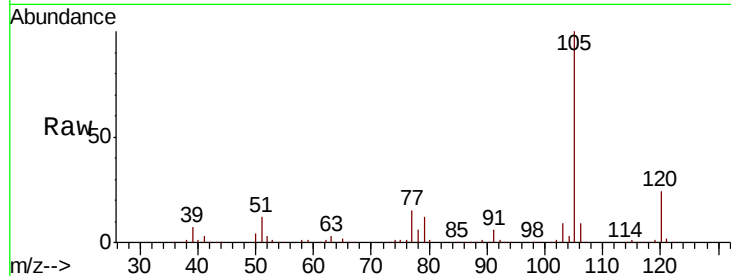
120 24.0 12.3 36.9

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

1200000

1000000

800000

600000

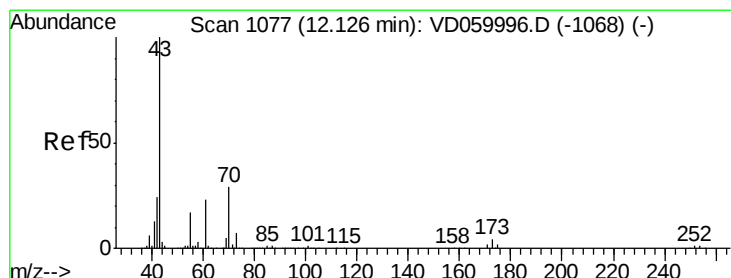
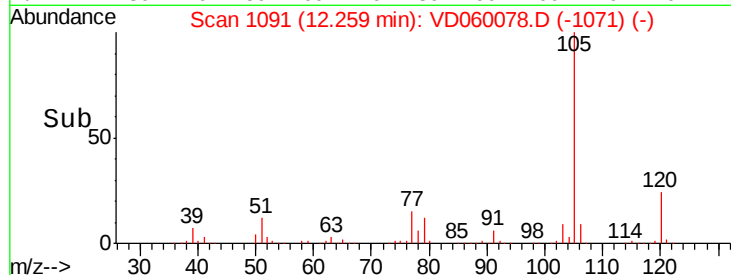
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.617 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion: 43 Resp: 523414

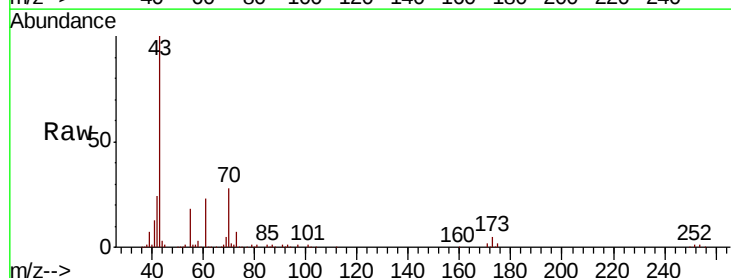
Ion Ratio Lower Upper

43 100

70 28.1 22.9 34.3

55 18.0 14.0 21.0

61 23.4 18.7 28.1



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

600000

500000

400000

300000

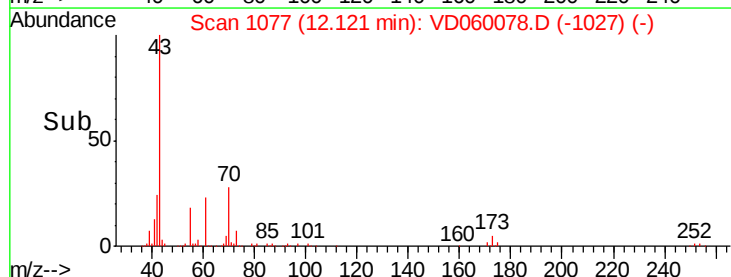
200000

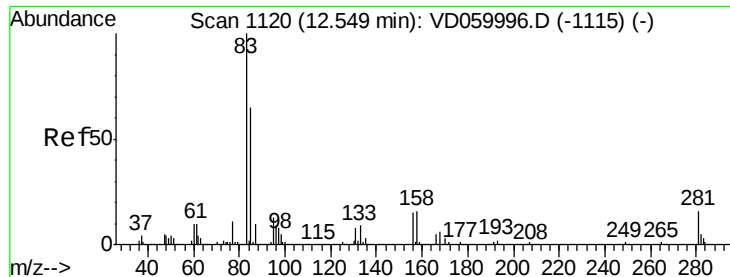
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.662 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 83 Resp: 314955

Ion Ratio Lower Upper

83 100

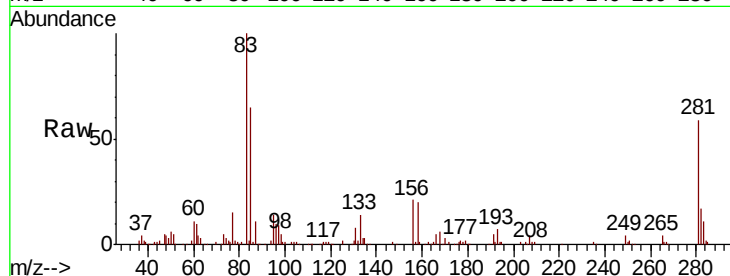
131 7.9 4.1 12.3

85 64.8 32.4 97.2

Manual Integrations
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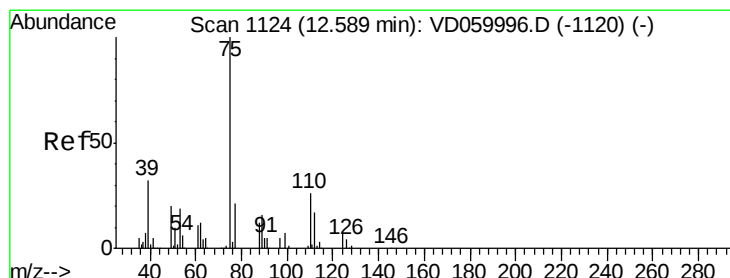
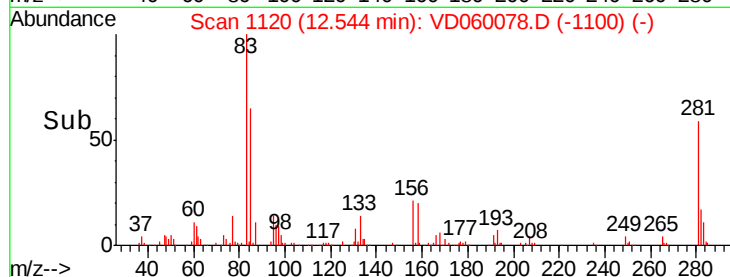
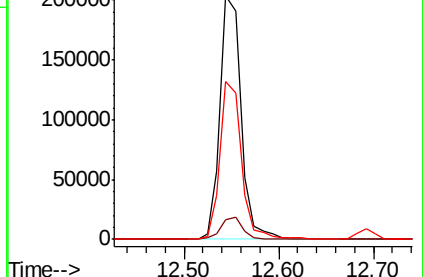
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.779 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060078.D

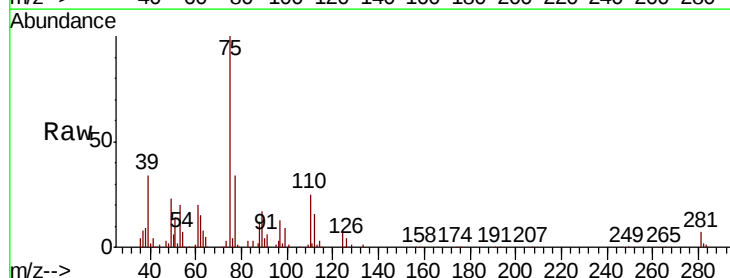
Acq: 24 Sep 2018 13:23

Tgt Ion: 75 Resp: 310131

Ion Ratio Lower Upper

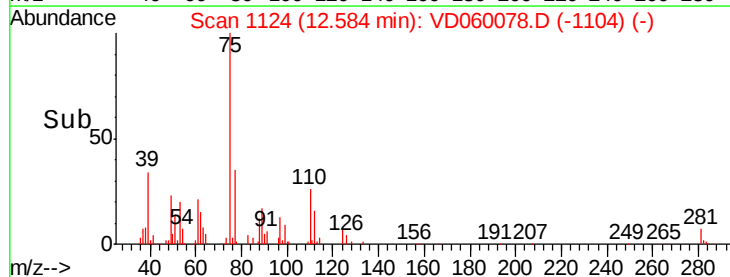
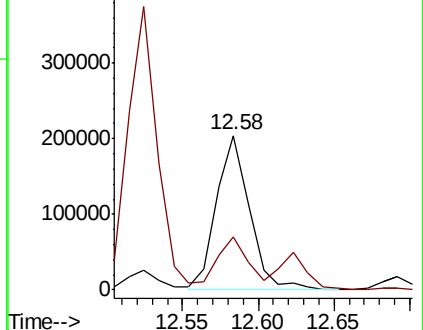
75 100

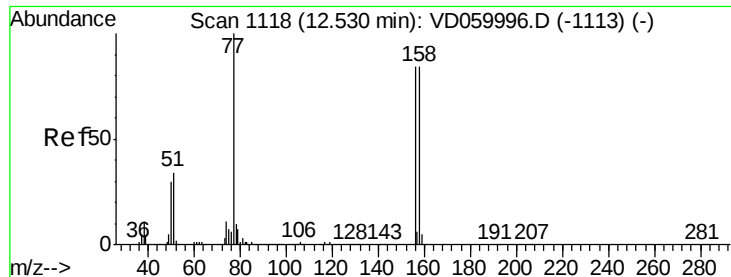
77 34.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.148 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

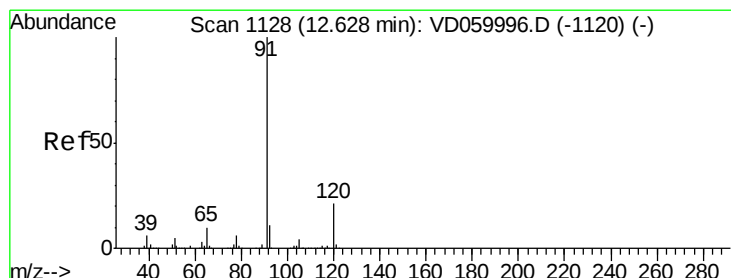
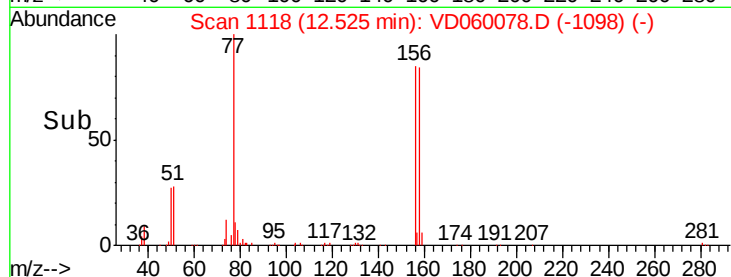
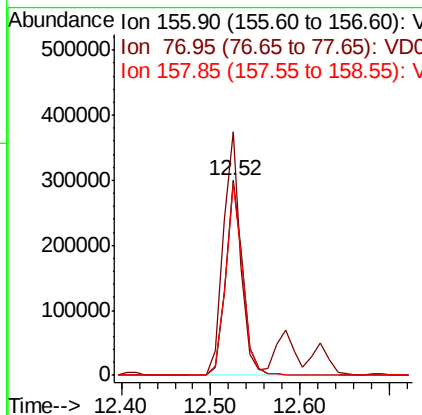
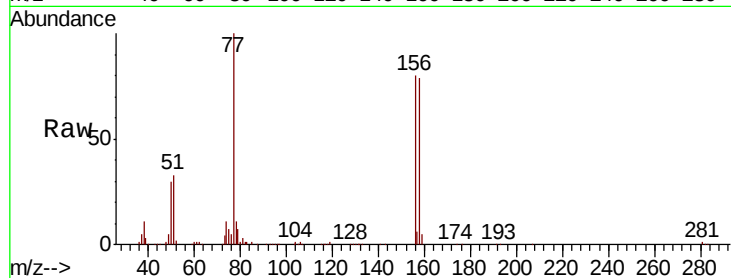
ClientSampleId :

VD0924SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	125.1	59.5	178.4
158	98.8	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 22.827 ug/l

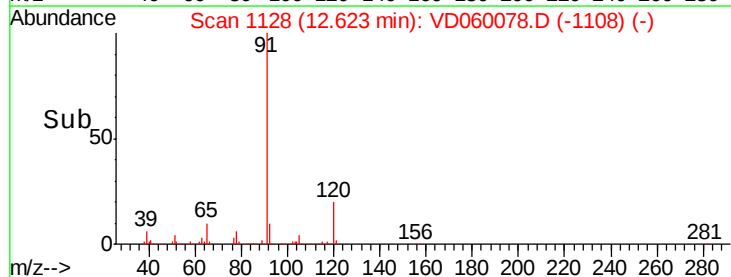
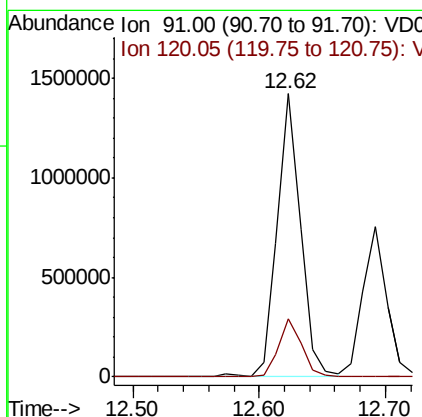
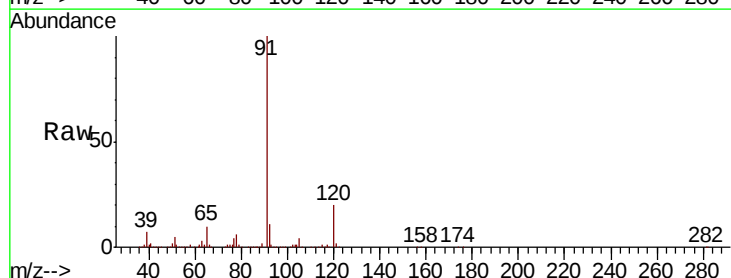
RT: 12.62 min Scan# 1128

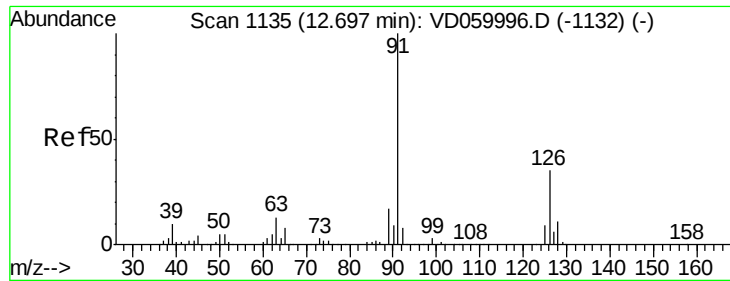
Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.7	31.9





#79

2-Chlorotoluene

Concen: 21.964 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 91 Resp: 999177

Ion Ratio Lower Upper

91 100

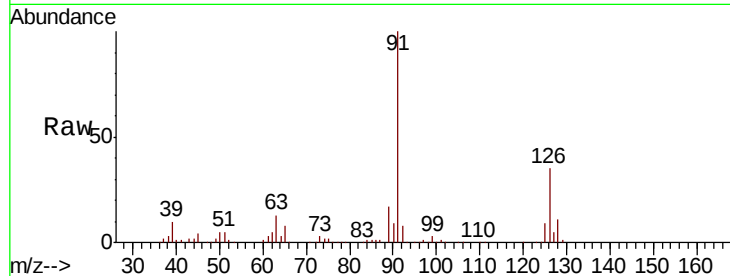
126 35.2 17.3 52.0

Manual Integrations

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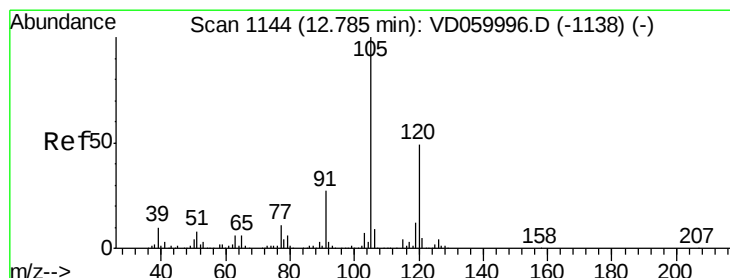
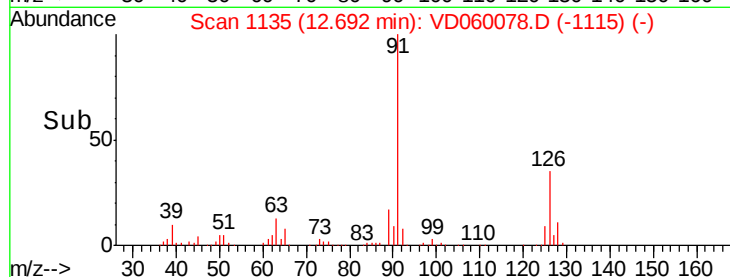
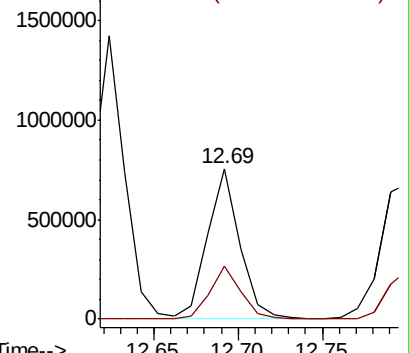
apatel

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.438 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060078.D

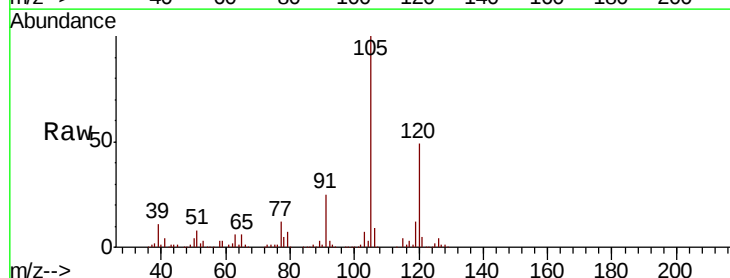
Acq: 24 Sep 2018 13:23

Tgt Ion:105 Resp: 1053157

Ion Ratio Lower Upper

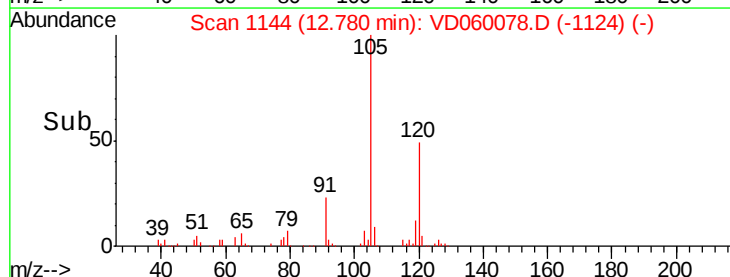
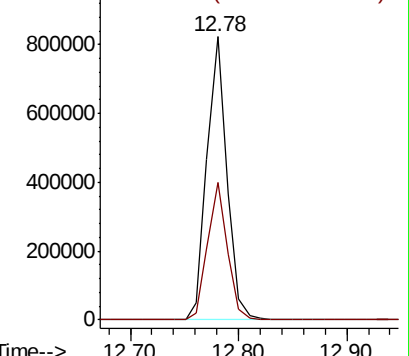
105 100

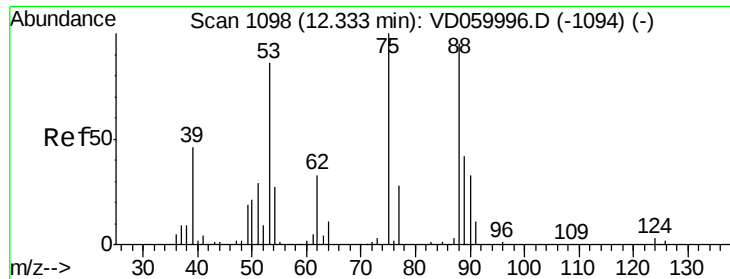
120 48.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.687 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060078.D

Acq: 24 Sep 2018 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD0924SBS01

Tot Ion: 75 Resp: 88699

Ion Ratio Lower Upper

75 100

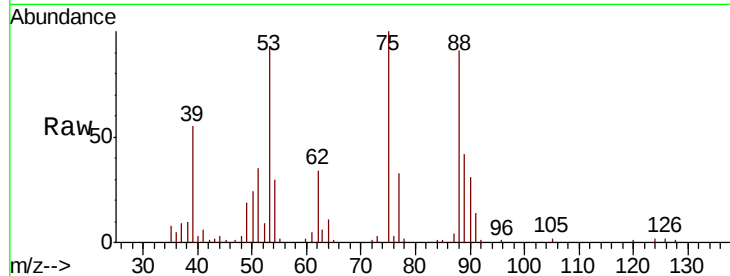
53 92.8 68.4 102.6

89 41.7 33.8 50.6

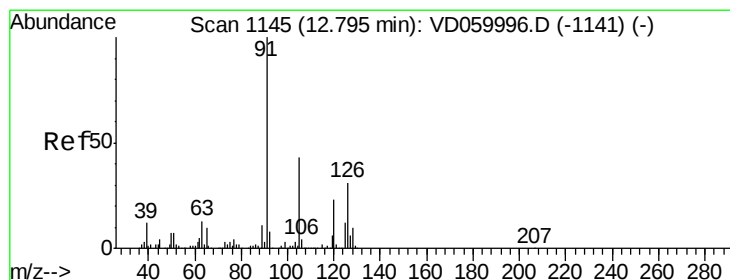
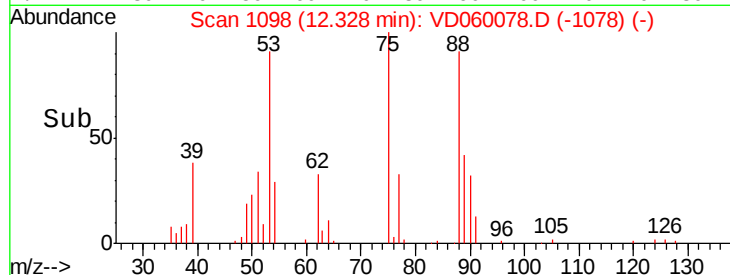
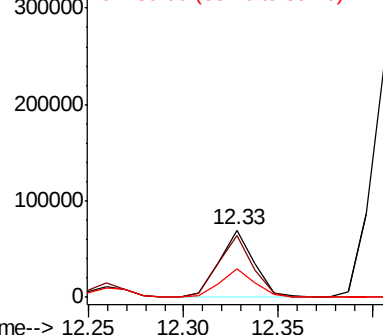
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.696 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060078.D

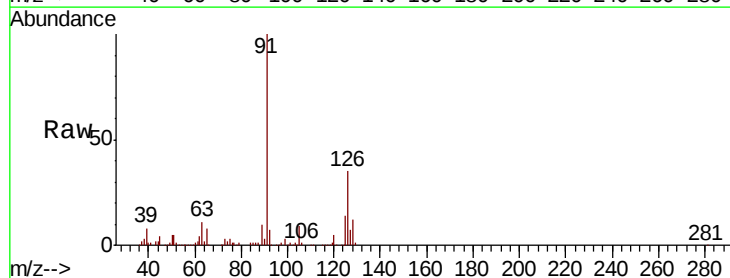
Acq: 24 Sep 2018 13:23

Tgt Ion: 91 Resp: 1085116

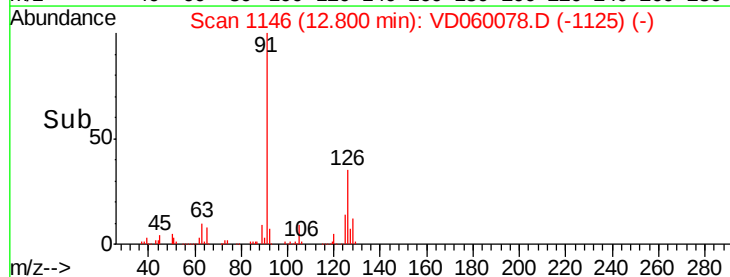
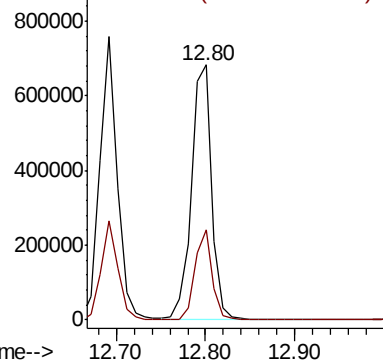
Ion Ratio Lower Upper

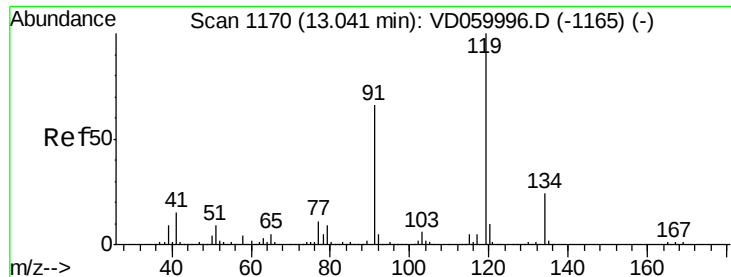
91 100

126 35.4 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





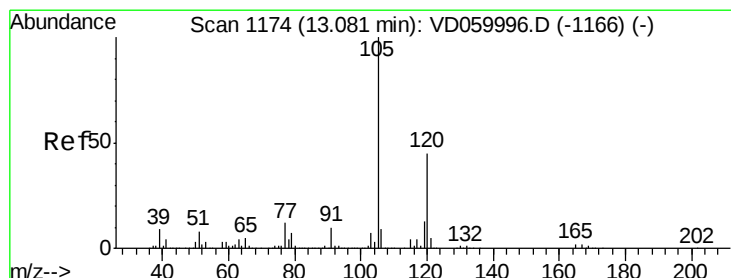
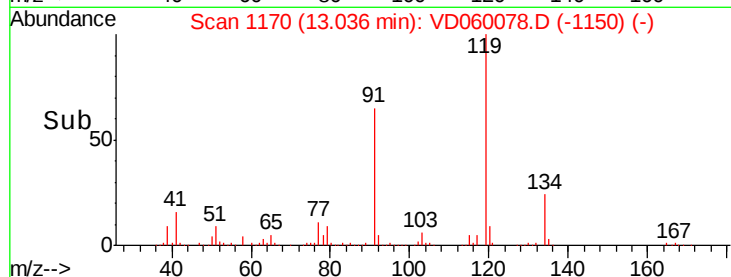
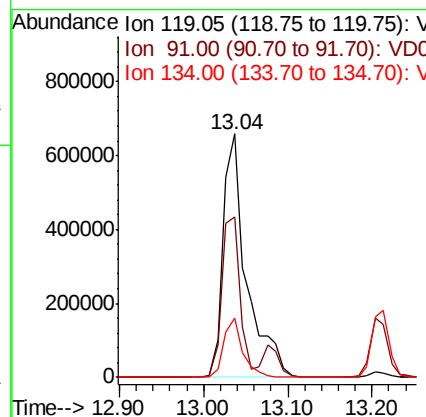
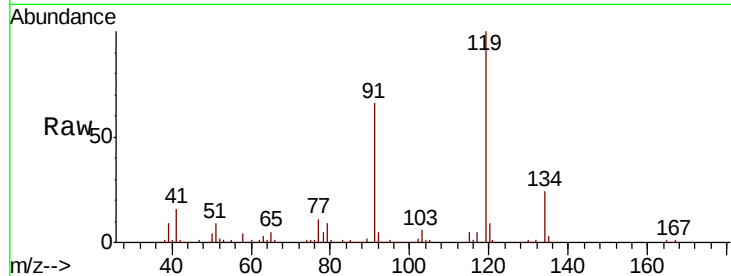
#83
 tert-Butylbenzene
 Concen: 22.385 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	32.9	98.6
134	24.5	12.0	36.0

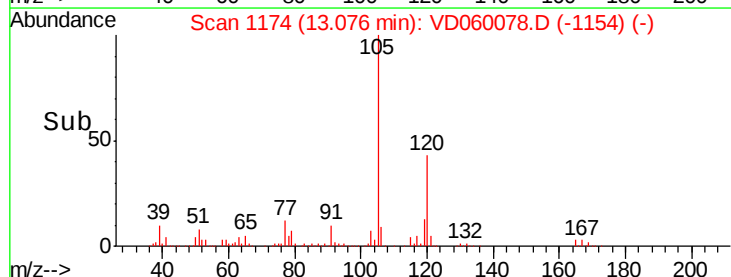
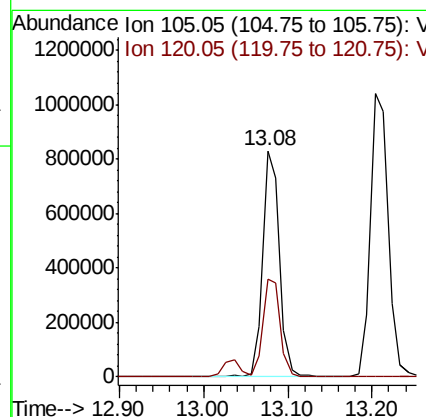
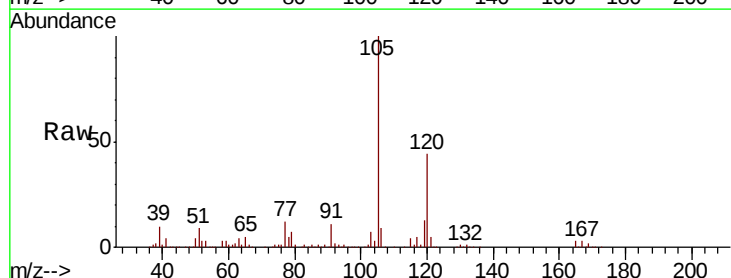
Manual Integrations
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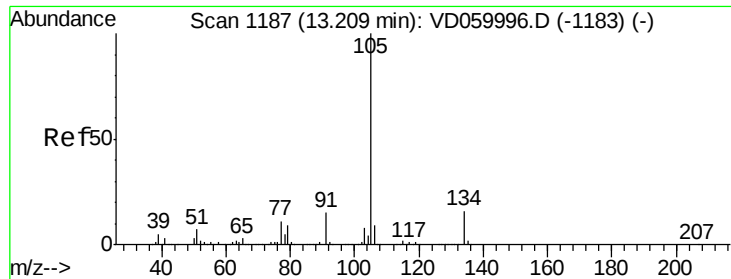
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.312 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.0





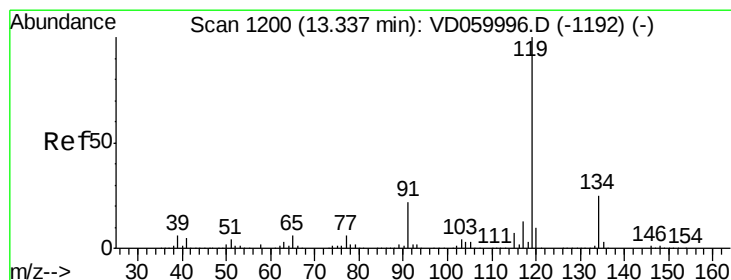
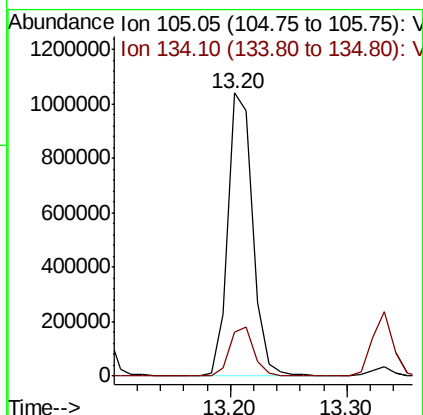
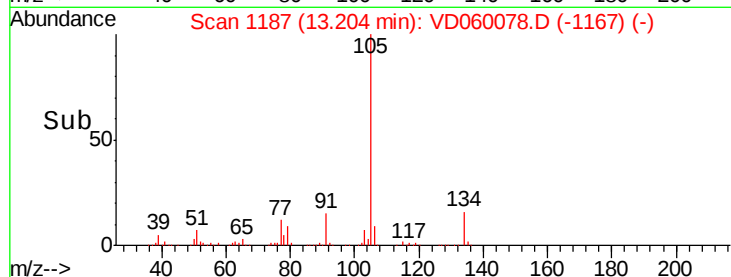
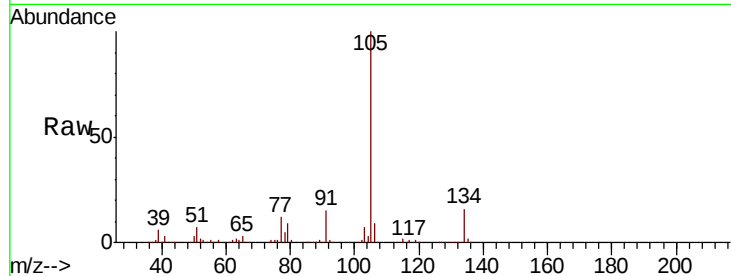
#85
 sec-Butylbenzene
 Concen: 22.635 ug/l
 RT: 13.20 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion:105 Resp: 1529133
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.2 24.6

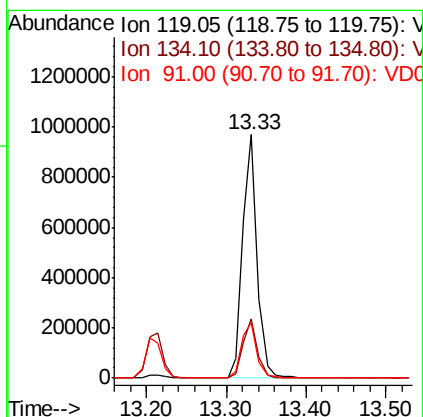
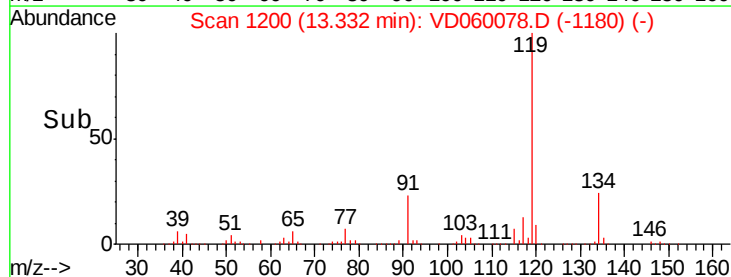
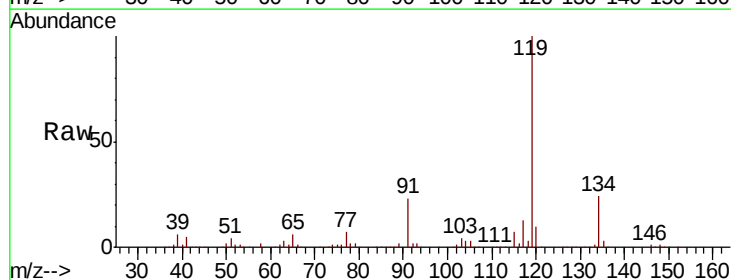
Manual Integrations
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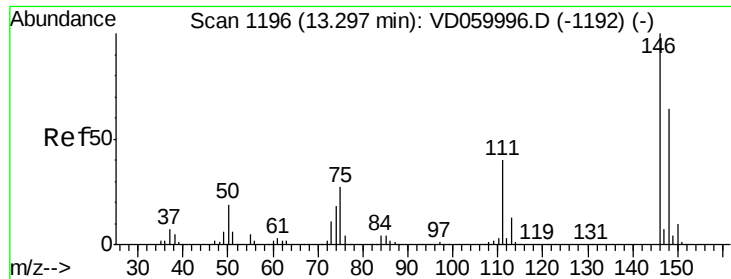
apatel
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#86
 p-Isopropyltoluene
 Concen: 22.411 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion:119 Resp: 1224514
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.8 38.3
 91 22.7 11.1 33.3





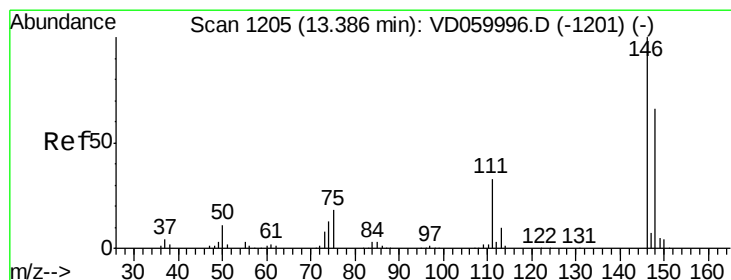
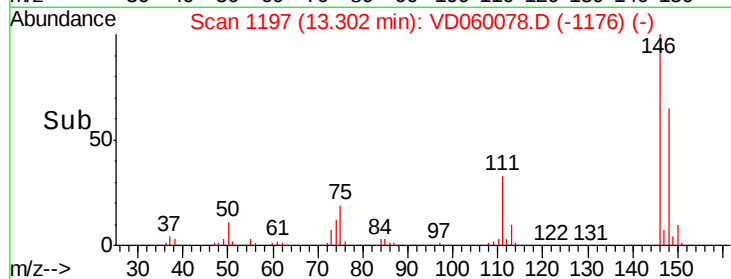
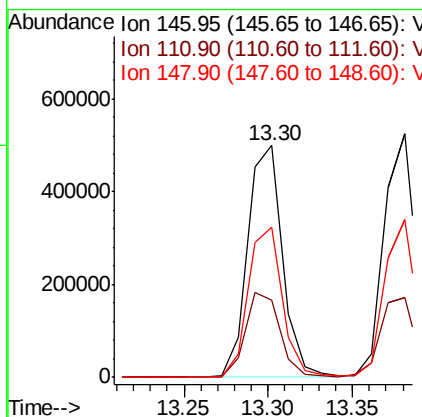
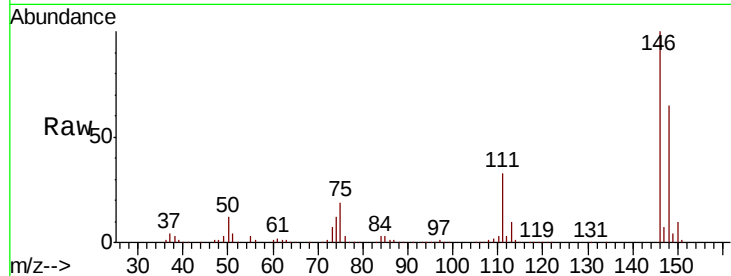
#87
 1,3-Dichlorobenzene
 Concen: 22.317 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.3	20.2	60.5
148	65.1	32.0	96.2

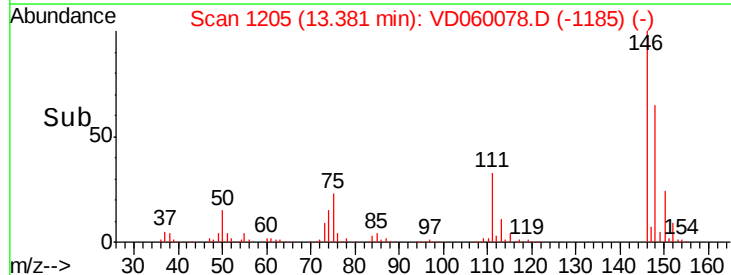
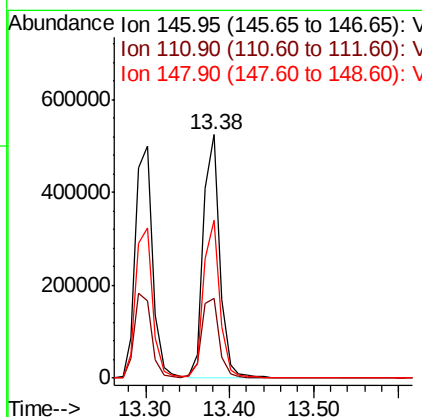
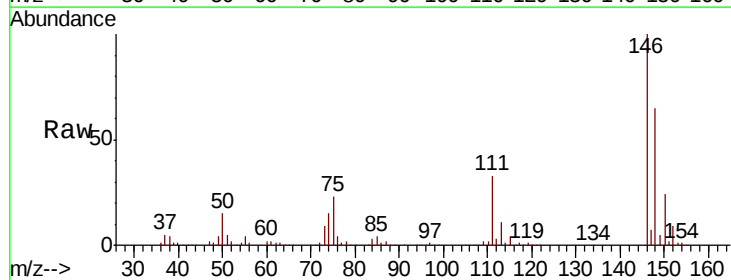
Manual Integrations
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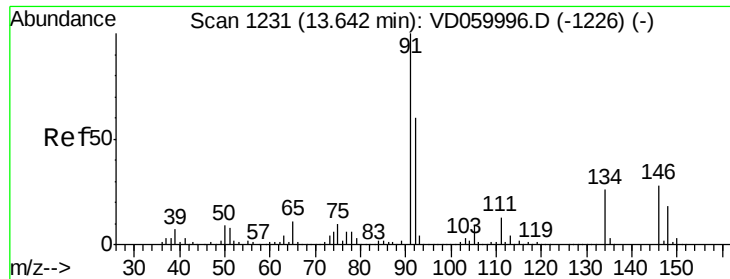
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.909 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.9	16.7	50.0
148	64.7	32.9	98.6





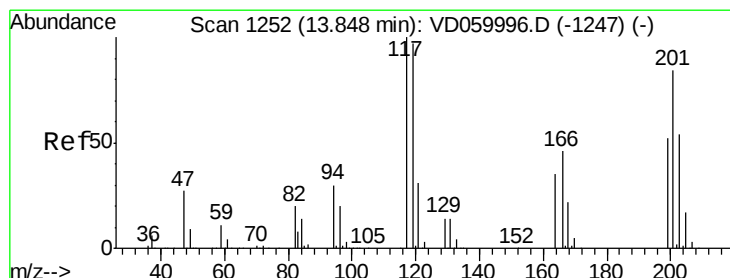
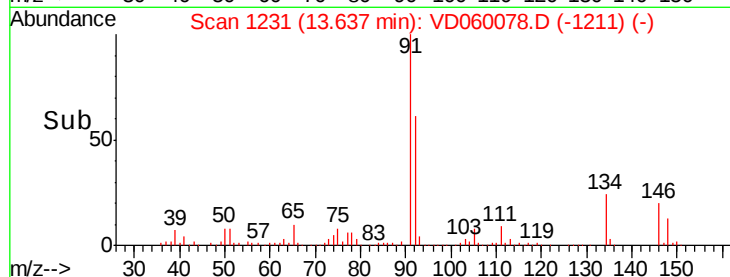
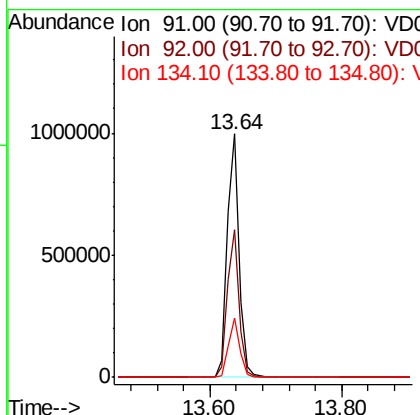
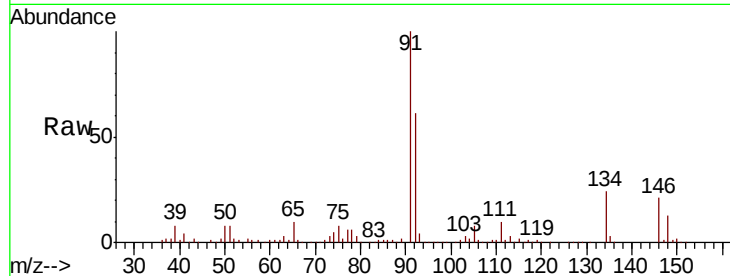
#89
n-Butylbenzene
Concen: 21.372 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion: 91 Resp: 1254519
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 24.3 13.2 39.6

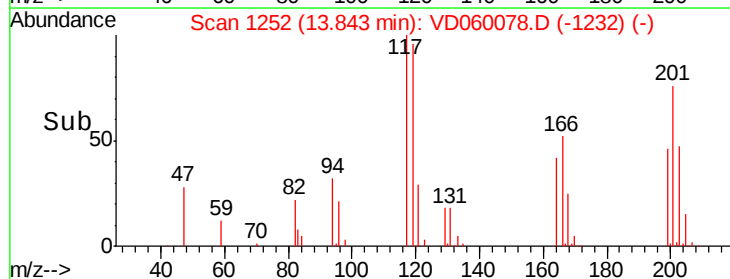
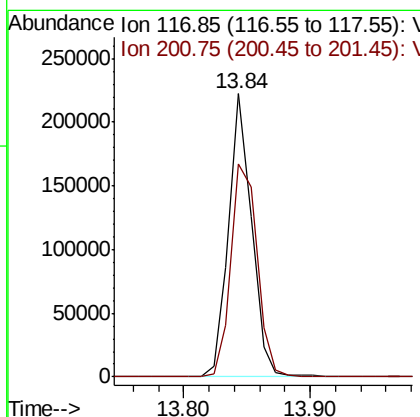
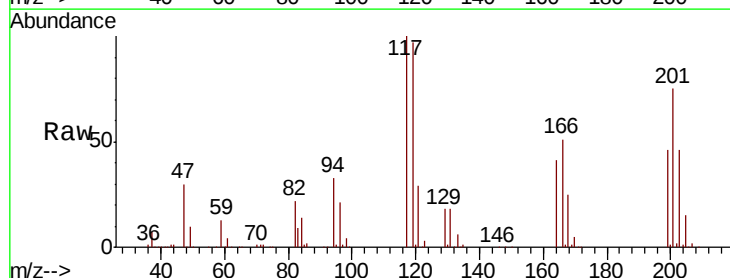
Manual Integrations
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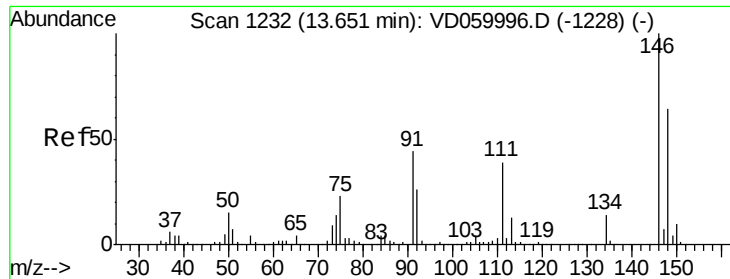
apatel
9/25/2018 3:31:01 PM



#90
Hexachloroethane
Concen: 20.690 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion: 117 Resp: 280002
Ion Ratio Lower Upper
117 100
201 75.1 42.1 126.4





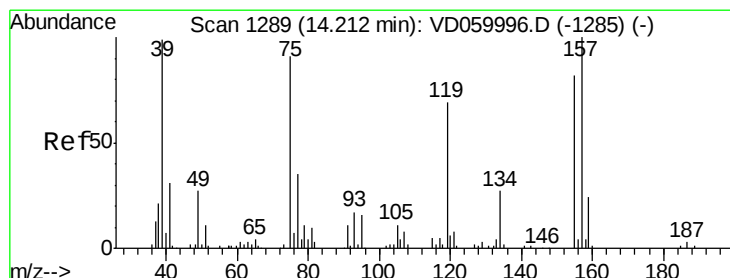
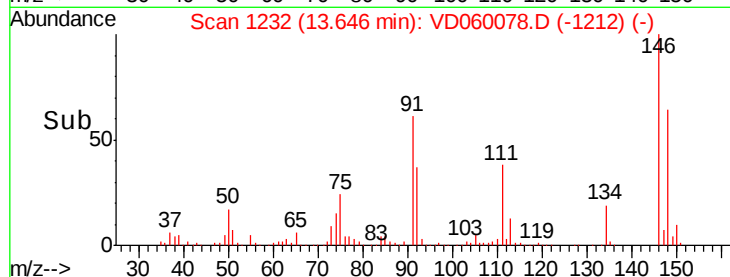
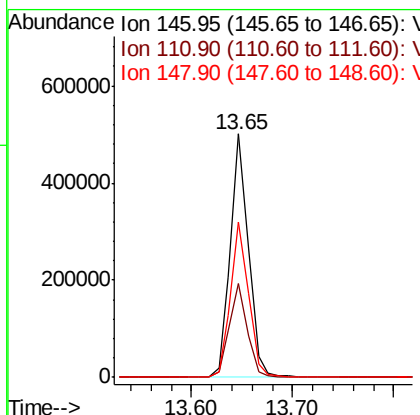
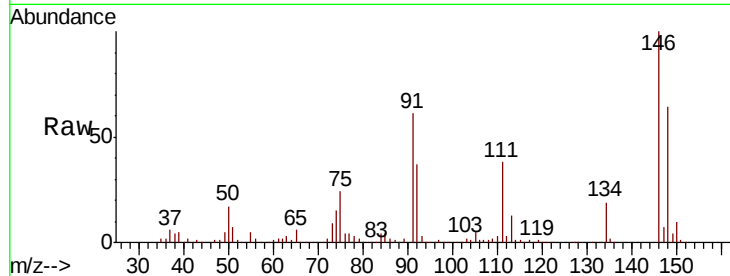
#91
 1,2-Dichlorobenzene
 Concen: 20.927 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.6	58.7
148	63.7	31.9	95.7

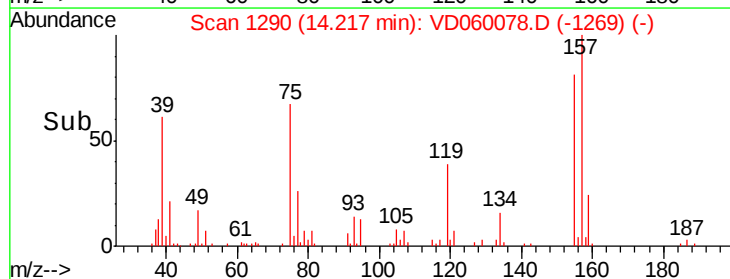
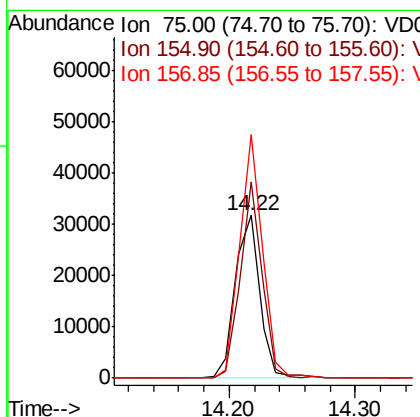
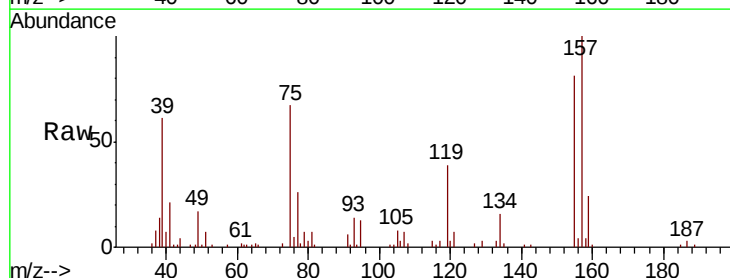
Manual Integrations
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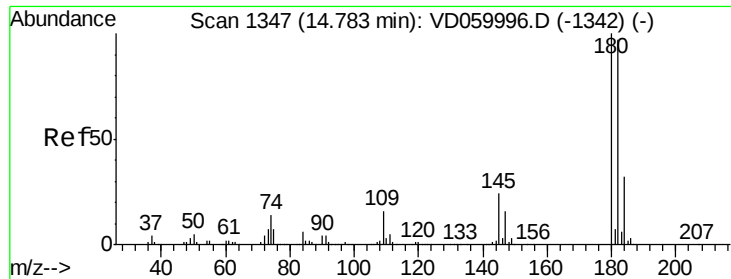
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.118 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.0	44.7	134.1
157	150.0	54.7	164.1





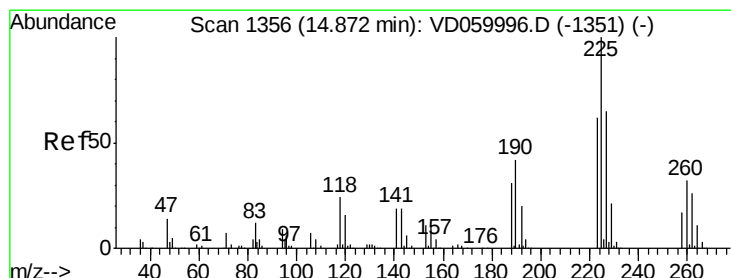
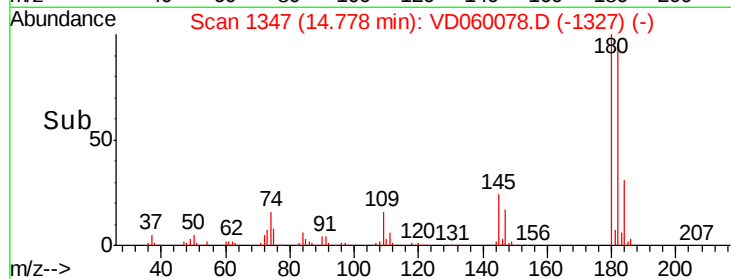
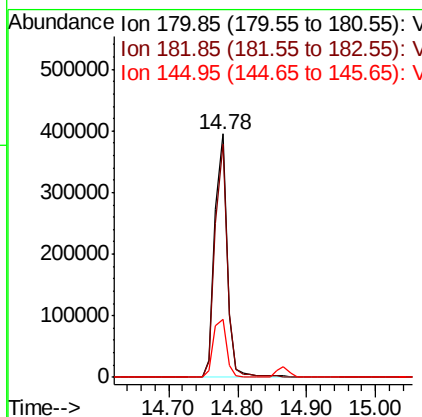
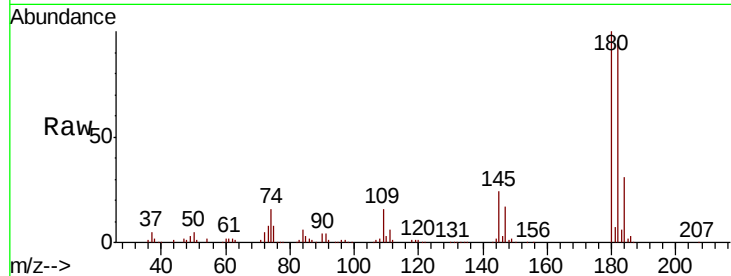
#93
 1,2,4-Trichlorobenzene
 Concen: 21.794 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	498628		
182	96.0	48.5	145.6	
145	24.0	11.9	35.7	

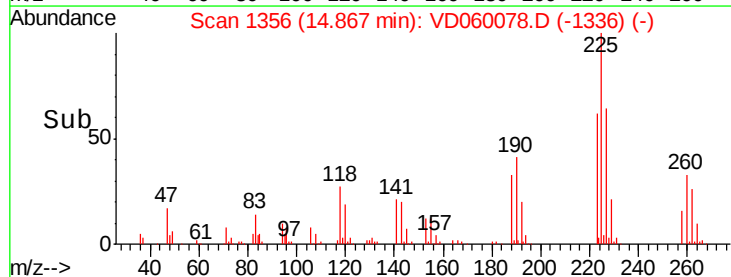
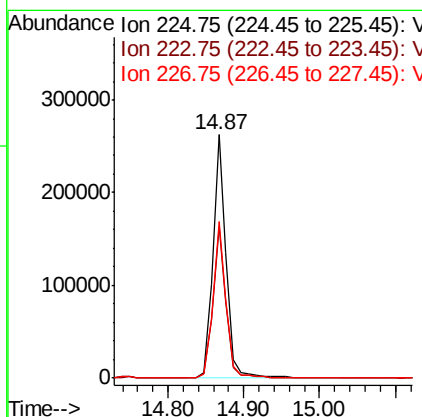
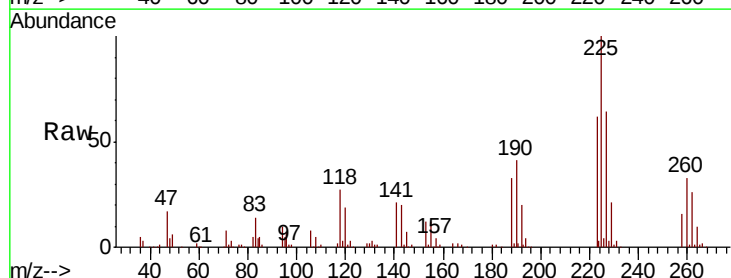
Manual Integrations
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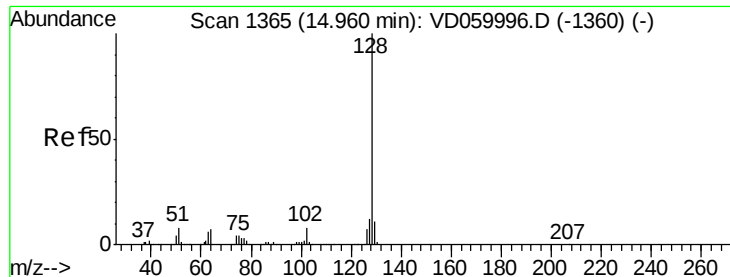
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#94
 Hexachlorobutadiene
 Concen: 21.510 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060078.D
 Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	325542		
223	62.3	31.2	93.6	
227	64.1	32.3	96.8	





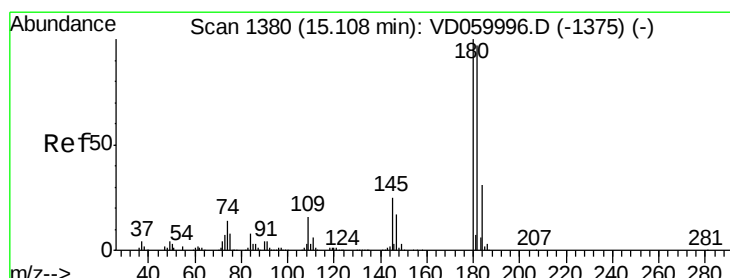
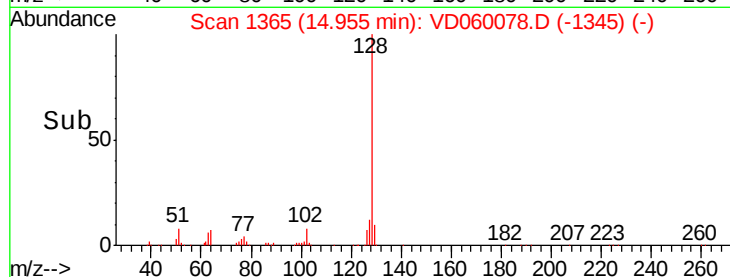
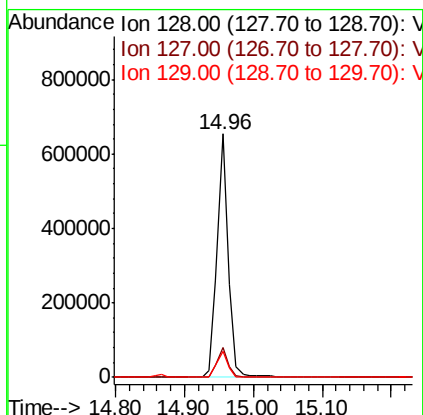
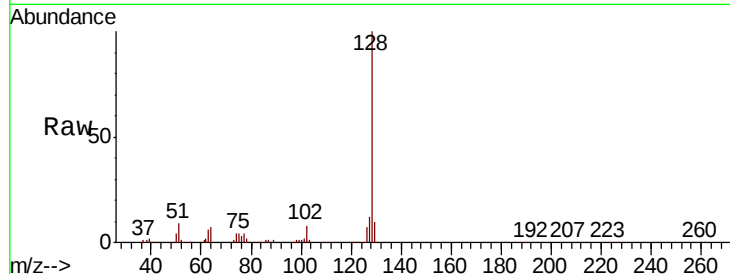
#95
Naphthalene
Concen: 20.909 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD0924SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	738798		
127	12.2		9.7	14.5
129	10.5		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.695 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060078.D
Acq: 24 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	417249		
182	96.9		48.6	145.9
145	27.1		12.7	38.1

