

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060541.D
 Acq On : 12 Dec 2018 12:28
 Operator : VA/AP
 Sample : VD1212SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Quant Time: Dec 13 00:17:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1569323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2176474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1706242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	858260	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	547268	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	6.32	113	802773	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	9.45	98	2370816	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.43	95	815328	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	422515	25.008	ug/l	100
3) Chloromethane	1.78	50	374618	23.234	ug/l	99
4) Vinyl Chloride	1.87	62	304491	23.662	ug/l	98
5) Bromomethane	2.16	94	60872	18.908	ug/l	97
6) Chloroethane	2.28	64	77056	17.282	ug/l	95
7) Trichlorofluoromethane	2.53	101	319676	21.514	ug/l	100
8) Diethyl Ether	2.84	74	52880	20.604	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.11	101	213507	22.146	ug/l	99
10) Methyl Iodide	3.26	142	225197	19.983	ug/l	99
11) Tert butyl alcohol	3.98	59	42121	93.207	ug/l	97
12) 1,1-Dichloroethene	3.09	96	176390	22.487	ug/l	98
13) Acrolein	3.00	56	41834	84.720	ug/l	96
14) Allyl chloride	3.55	41	321674	21.614	ug/l	100
15) Acrylonitrile	4.10	53	250824	97.750	ug/l	97
16) Acetone	3.17	43	156115	87.559	ug/l	98
17) Carbon Disulfide	3.33	76	552339	21.678	ug/l	98
18) Methyl Acetate	3.57	43	86136	20.327	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	439403	20.200	ug/l	99
20) Methylene Chloride	3.73	84	366310	19.661	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	364192	21.344	ug/l	97
22) Diisopropyl ether	4.86	45	1078188	20.178	ug/l	97
23) Vinyl Acetate	4.81	43	2607225	98.482	ug/l	99
24) 1,1-Dichloroethane	4.76	63	591357	21.303	ug/l	100
25) 2-Butanone	5.63	43	324524	92.514	ug/l	99
26) 2,2-Dichloropropane	5.60	77	490216	22.860	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	371166	21.394	ug/l	98
28) Bromochloromethane	5.93	49	236094	19.199	ug/l	92
29) Tetrahydrofuran	5.96	42	196137	98.739	ug/l	98
30) Chloroform	6.11	83	591509	21.151	ug/l	98
31) Cyclohexane	6.37	56	573626	22.022	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	498264	21.673	ug/l	99
36) 1,1-Dichloropropene	6.52	75	455582	21.414	ug/l	97
37) Ethyl Acetate	5.70	43	189847	20.576	ug/l	97
38) Carbon Tetrachloride	6.50	117	408612	21.394	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	534889	22.055	ug/l	99
40) Benzene	6.80	78	1169891	21.517	ug/l	100
41) Methacrylonitrile	5.95	41	208570	41.935	ug/l #	71
42) 1,2-Dichloroethane	6.89	62	281058	20.331	ug/l	99
43) Isopropyl Acetate	8.34	43	219481	19.271	ug/l #	99
44) Trichloroethene	7.74	130	340905	20.980	ug/l	100
45) 1,2-Dichloropropane	8.11	63	285309	21.217	ug/l	99
46) Dibromomethane	8.21	93	153519	19.759	ug/l	97
47) Bromodichloromethane	8.49	83	387344	21.011	ug/l	98
48) Methyl methacrylate	8.24	41	133922	19.872	ug/l	97
49) 1,4-Dioxane	8.23	88	23372	382.658	ug/l	93
51) 4-Methyl-2-Pentanone	9.34	43	680949	96.115	ug/l	98
52) Toluene	9.54	92	742792	21.857	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	304384	20.094	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	413393	20.771	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	185626	19.614	ug/l	97
56) Ethyl methacrylate	10.02	69	170247	19.877	ug/l	97
57) 1,3-Dichloropropane	10.38	76	297821	20.357	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	520746	101.614	ug/l	100
59) 2-Hexanone	10.49	43	474224	95.763	ug/l	100
60) Dibromochloromethane	10.63	129	236371	19.977	ug/l	98
61) 1,2-Dibromoethane	10.75	107	189855	19.685	ug/l	96
64) Tetrachloroethene	10.25	164	321705	21.293	ug/l	98
65) Chlorobenzene	11.31	112	754275	20.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	251732	21.637	ug/l	97
67) Ethyl Benzene	11.42	91	1384500	22.487	ug/l	97
68) m/p-Xylenes	11.56	106	1031993	45.306	ug/l	96
69) o-Xylene	11.93	106	469091	21.609	ug/l	97
70) Styrene	11.95	104	749551	21.512	ug/l	99
71) Bromoform	12.11	173	147630	19.019	ug/l	97
73) Isopropylbenzene	12.28	105	1329434	21.890	ug/l	98
74) N-amyl acetate	12.13	43	282371	19.237	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	188425	19.379	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	194526	20.003	ug/l	100
77) Bromobenzene	12.53	156	330778	20.720	ug/l	90
78) n-propylbenzene	12.63	91	1694405	22.070	ug/l	96
79) 2-Chlorotoluene	12.70	91	898063	21.557	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1036037	22.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	53360	19.674	ug/l	93
82) 4-Chlorotoluene	12.81	91	1019851	21.796	ug/l	96
83) tert-Butylbenzene	13.05	119	1130745	21.731	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	1033463	21.507	ug/l	99
85) sec-Butylbenzene	13.22	105	1412009	21.772	ug/l	95
86) p-Isopropyltoluene	13.34	119	1139556	22.166	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	617058	21.348	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	582100	20.528	ug/l	99
89) n-Butylbenzene	13.65	91	1238582	21.784	ug/l	99
90) Hexachloroethane	13.85	117	276349	21.439	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	512172	21.682	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	20814	17.667	ug/l	70

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

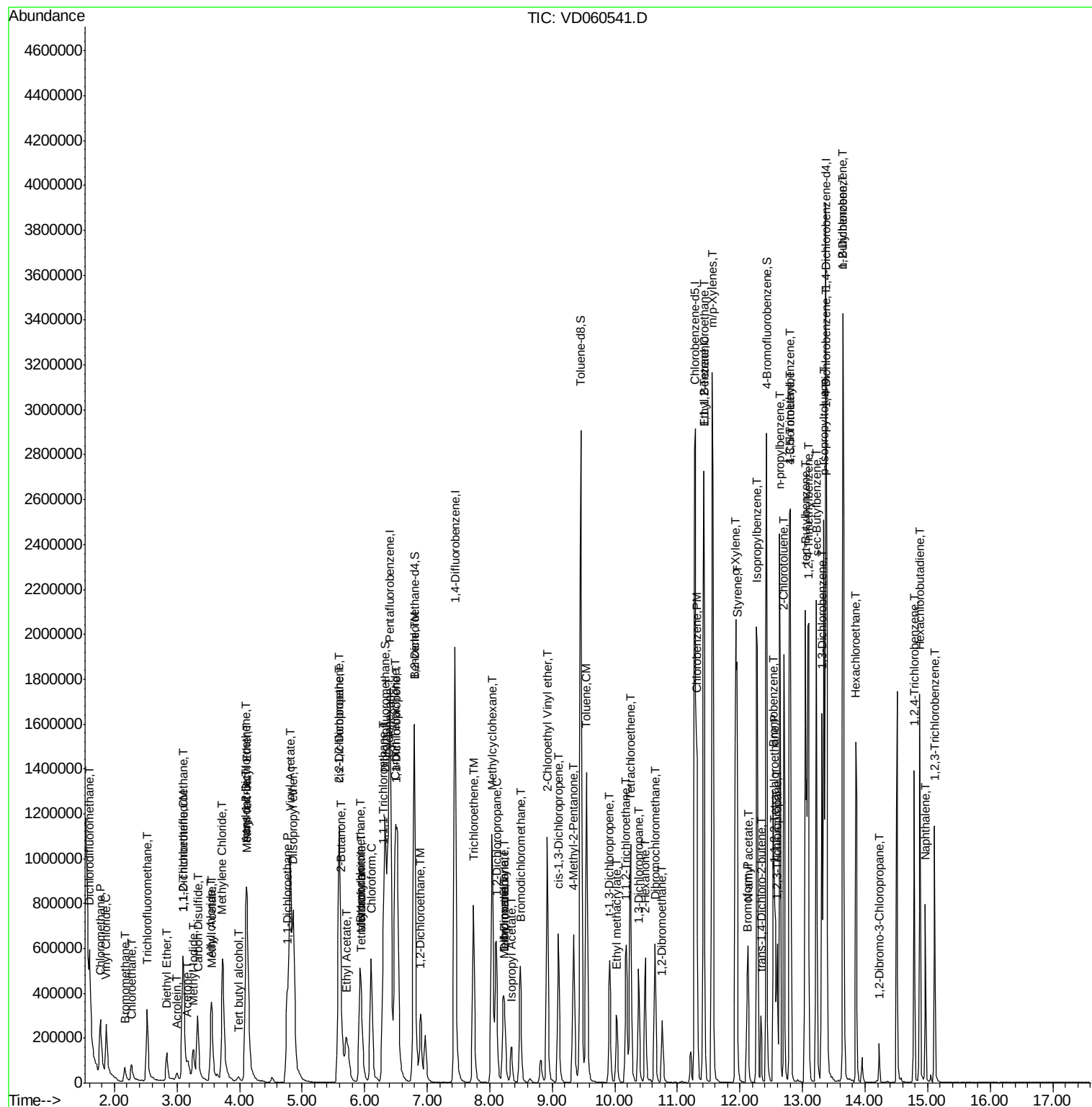
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	370592	20.069	ug/l	98
94) Hexachlorobutadiene	14.88	225	289401	21.242	ug/l	97
95) Naphthalene	14.96	128	430224	19.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	294562	20.020	ug/l	99

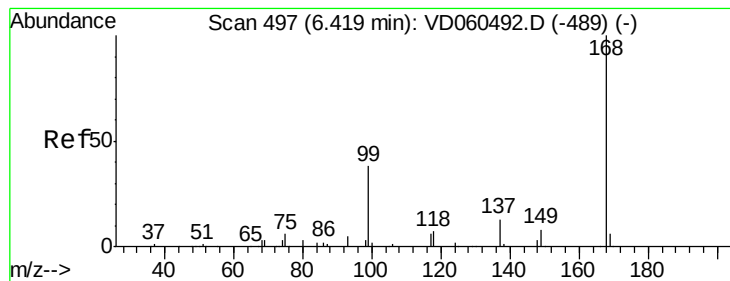
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 13 00:17:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

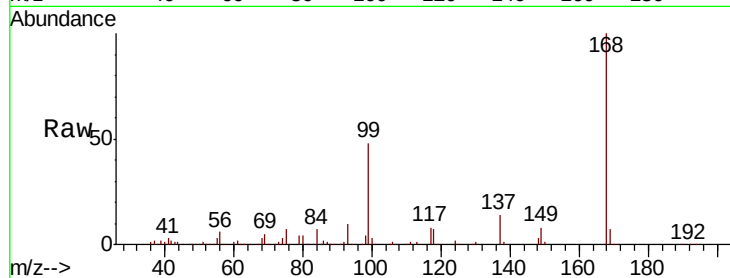
VD1212SBS01

Tot Ion:168 Resp: 1569323

Ion Ratio Lower Upper

168 100

99 47.9 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

500000

400000

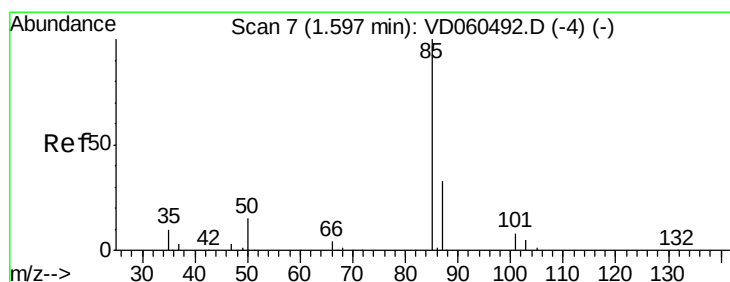
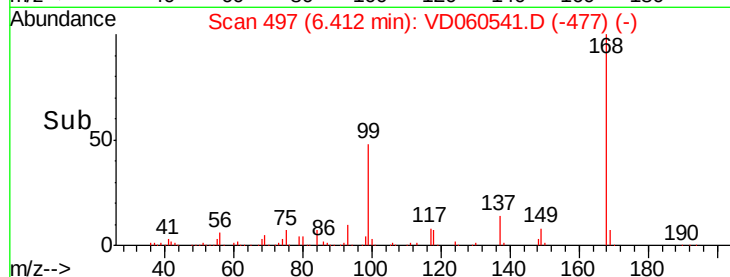
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.008 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060541.D

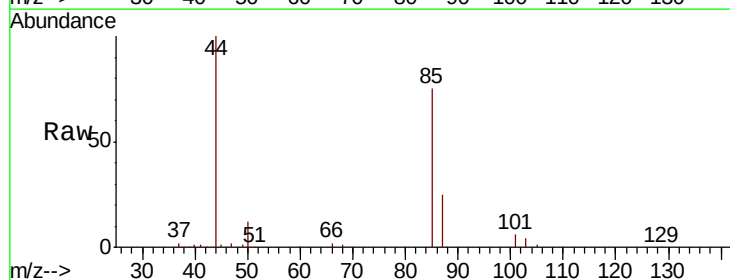
Acq: 12 Dec 2018 12:28

Tgt Ion: 85 Resp: 422515

Ion Ratio Lower Upper

85 100

87 33.5 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

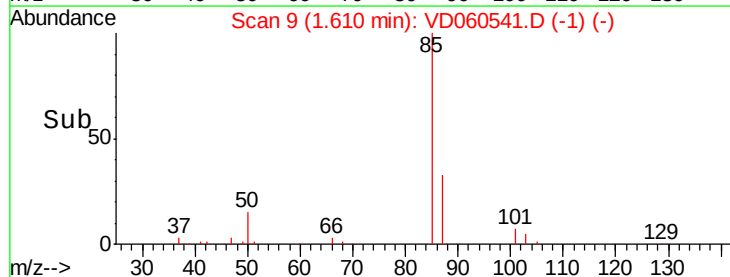
150000

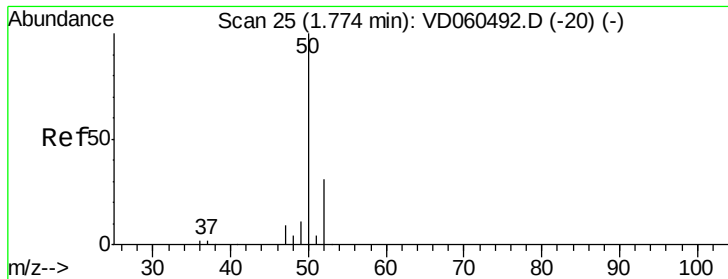
100000

50000

0

Time-->





#3

Chloromethane

Concen: 23.234 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

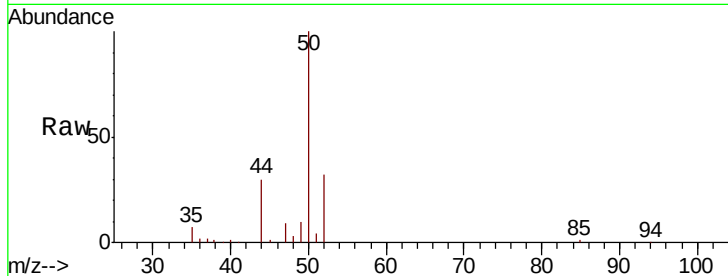
VD1212SBS01

Tot Ion: 50 Resp: 374618

Ion Ratio Lower Upper

50 100

52 31.6 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

150000

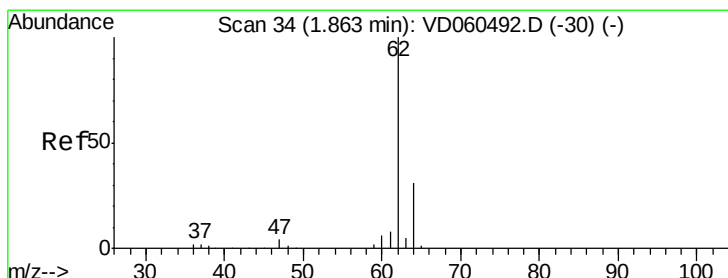
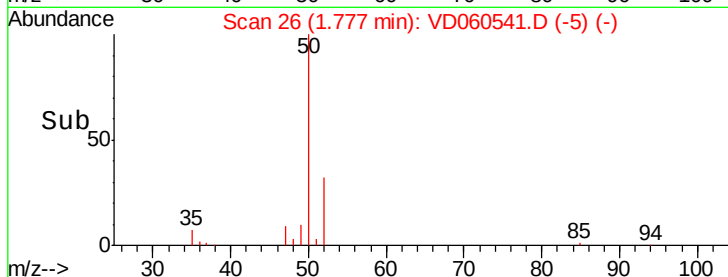
100000

50000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 23.662 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060541.D

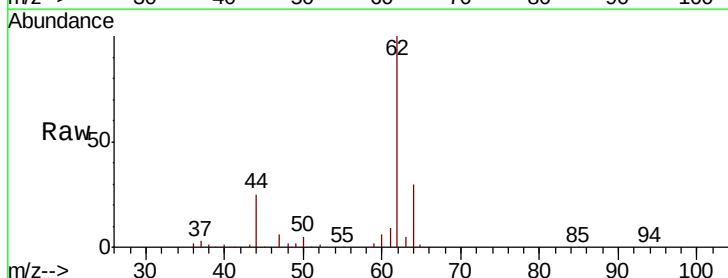
Acq: 12 Dec 2018 12:28

Tgt Ion: 62 Resp: 304491

Ion Ratio Lower Upper

62 100

64 29.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

150000

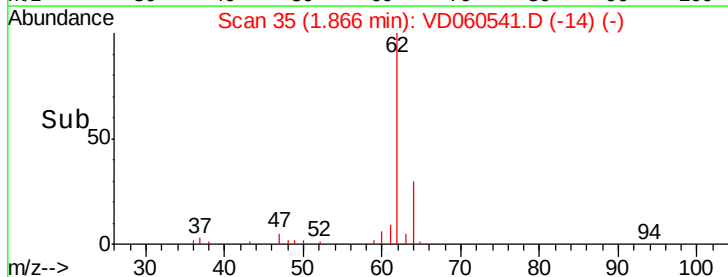
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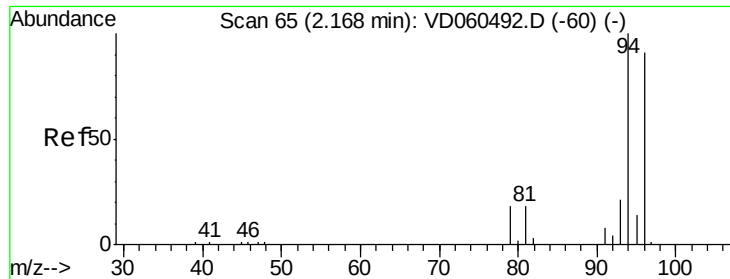
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 18.908 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

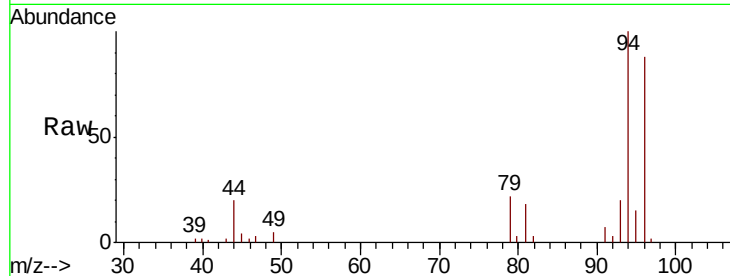
VD1212SBS01

Tot Ion: 94 Resp: 60872

Ion Ratio Lower Upper

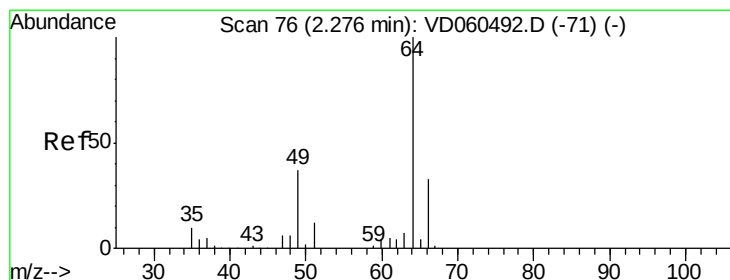
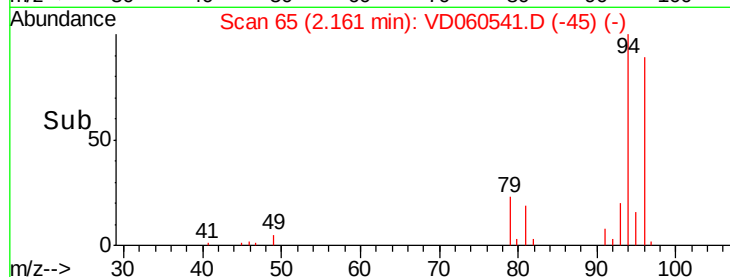
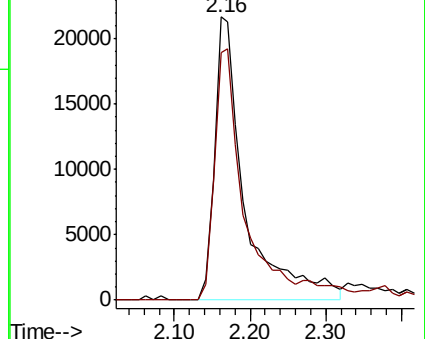
94 100

96 87.6 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.282 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060541.D

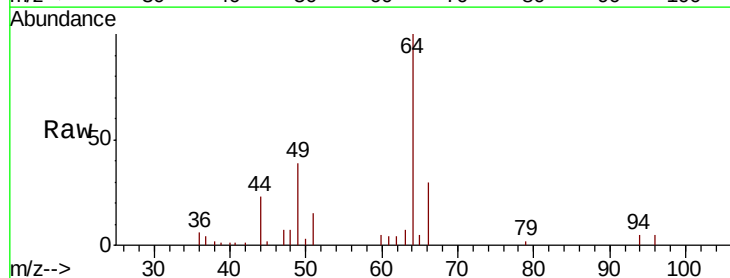
Acq: 12 Dec 2018 12:28

Tgt Ion: 64 Resp: 77056

Ion Ratio Lower Upper

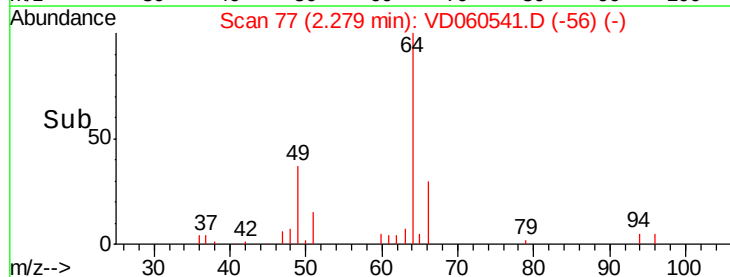
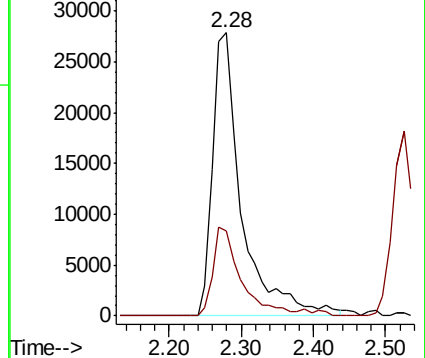
64 100

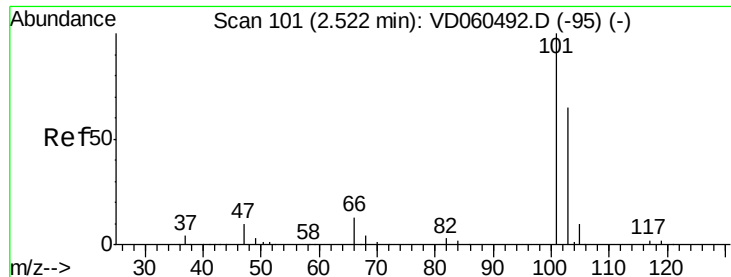
66 29.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



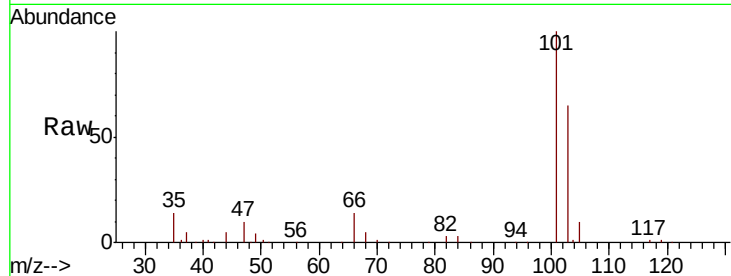


#7

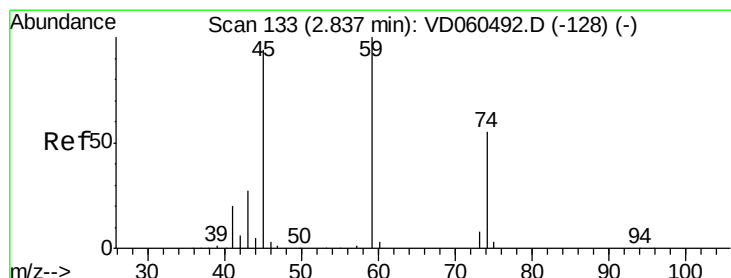
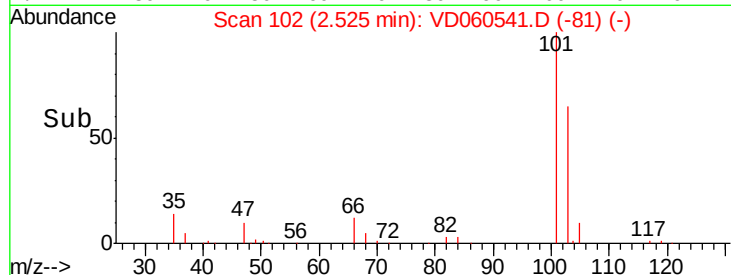
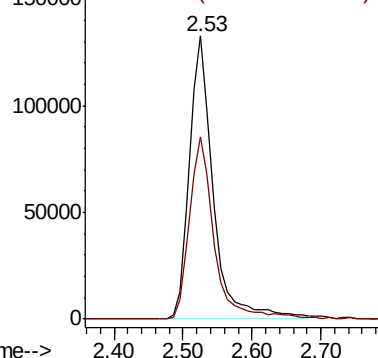
Trichlorofluoromethane
 Concen: 21.514 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
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 ClientSampleId :
 VD1212SBS01

Tot Ion:101 Resp: 319676
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.8 77.8



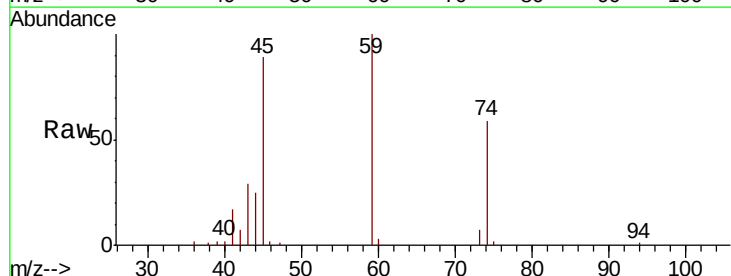
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



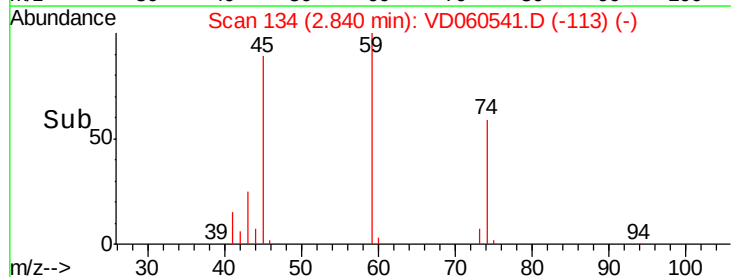
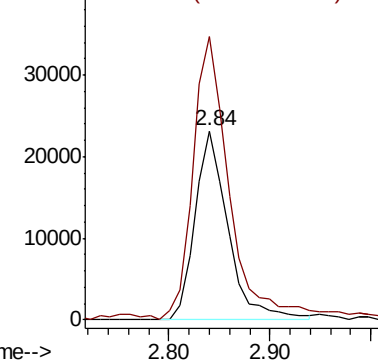
#8

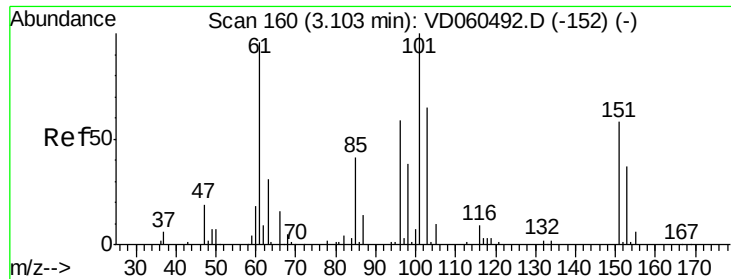
Diethyl Ether
 Concen: 20.604 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion: 74 Resp: 52880
 Ion Ratio Lower Upper
 74 100
 45 149.7 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.146 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

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VD1212SBS01

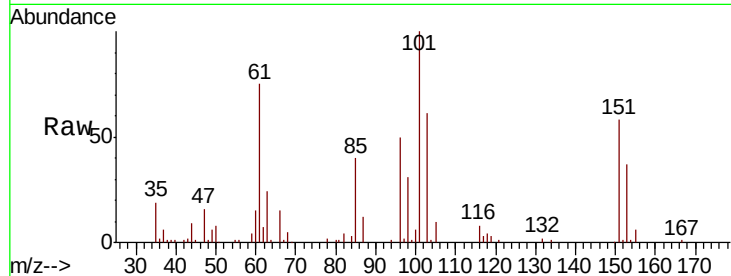
Tot Ion:101 Resp: 213507

Ion Ratio Lower Upper

101 100

85 40.2 32.7 49.1

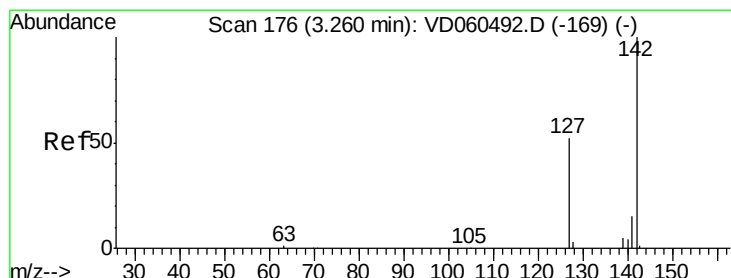
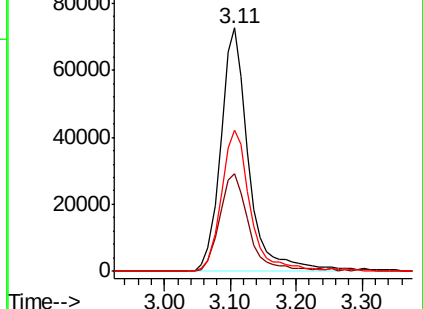
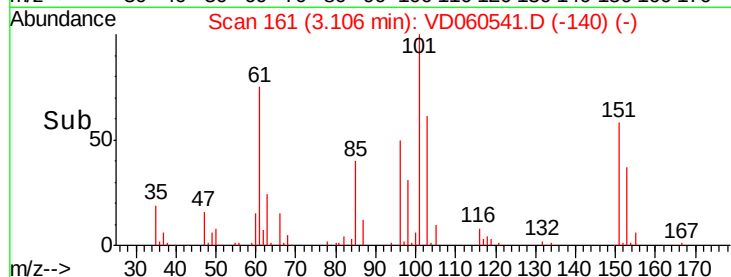
151 57.9 46.6 69.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.983 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

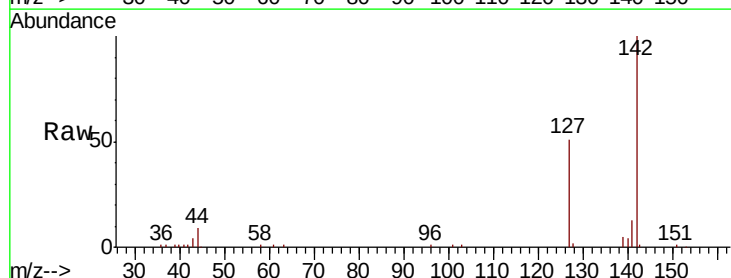
Tgt Ion:142 Resp: 225197

Ion Ratio Lower Upper

142 100

127 51.1 41.2 61.8

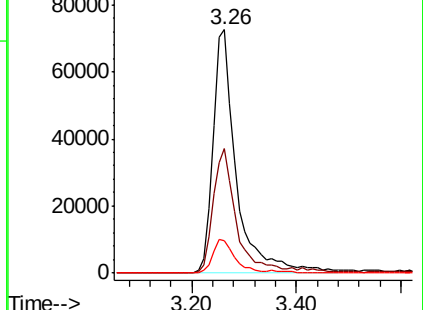
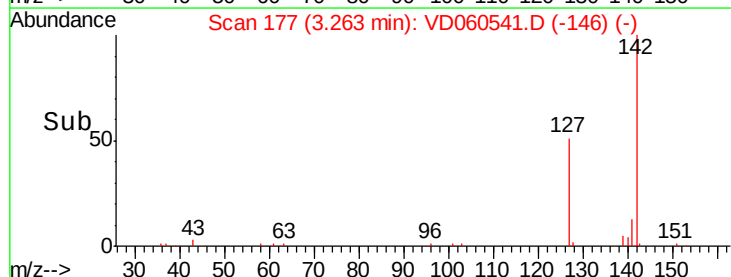
141 13.5 11.9 17.9

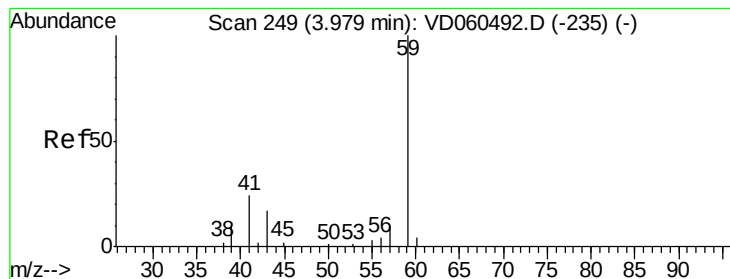


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



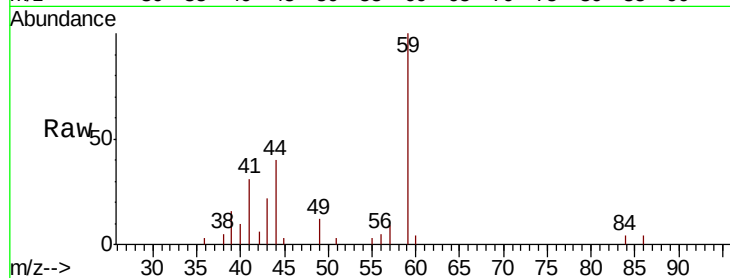


#11

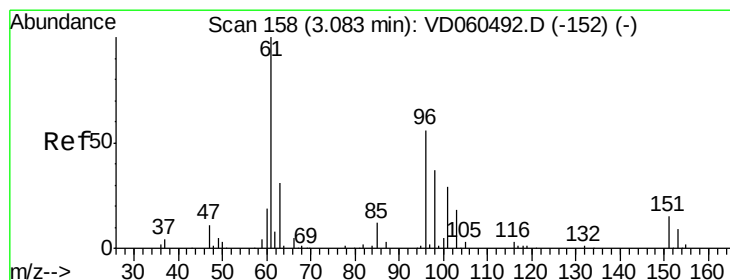
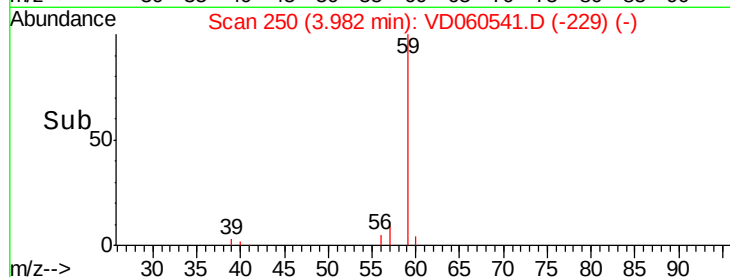
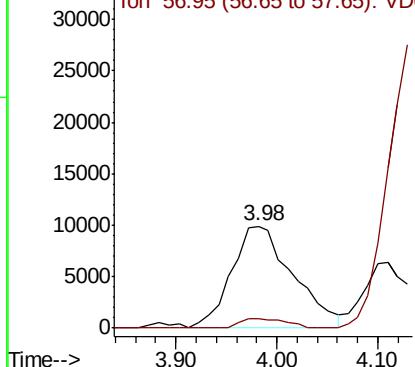
Tert butyl alcohol
Concen: 93.207 ug/l
RT: 3.98 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

Tot Ion: 59 Resp: 42121
Ion Ratio Lower Upper
59 100
57 9.0 8.1 12.1



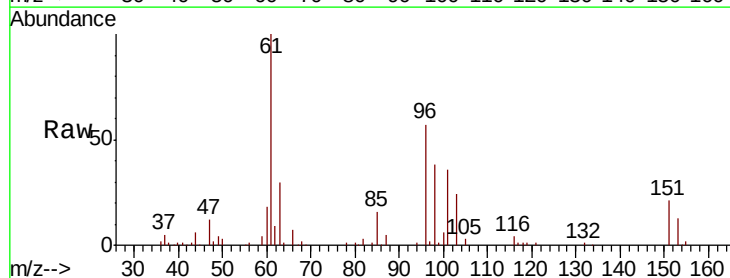
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



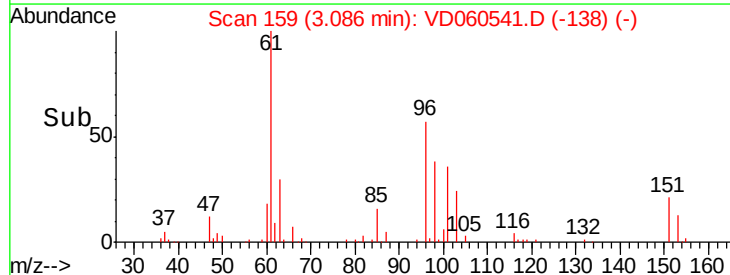
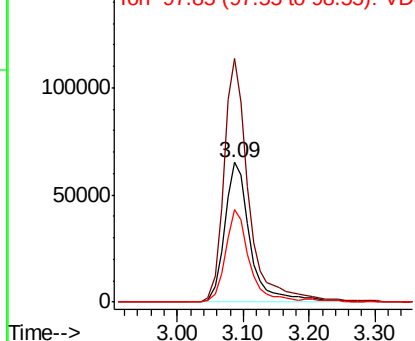
#12

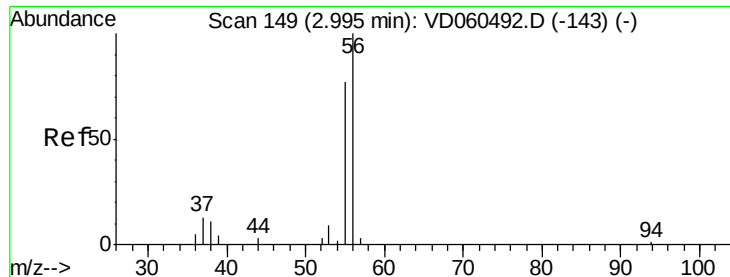
1,1-Dichloroethene
Concen: 22.487 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 96 Resp: 176390
Ion Ratio Lower Upper
96 100
61 174.7 143.0 214.4
98 66.5 53.4 80.0



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





#13

Acrolein

Concen: 84.720 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

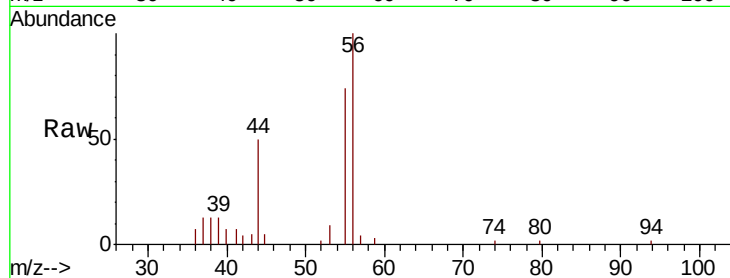
VD1212SBS01

Tot Ion: 56 Resp: 41834

Ion Ratio Lower Upper

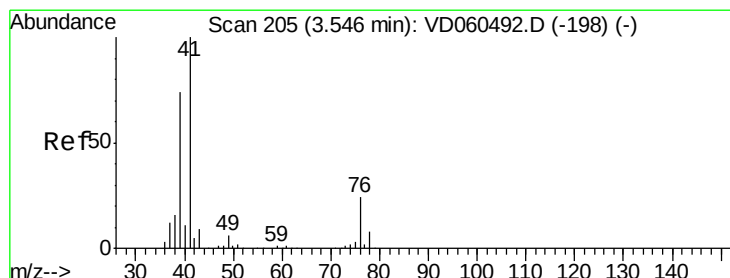
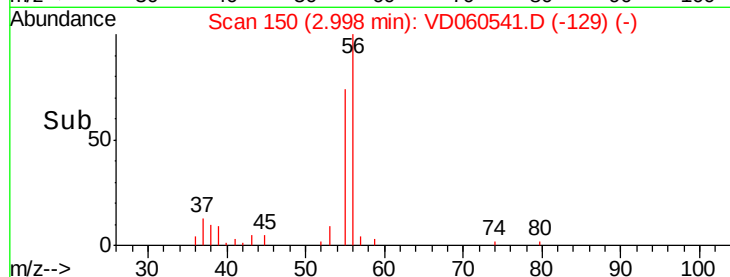
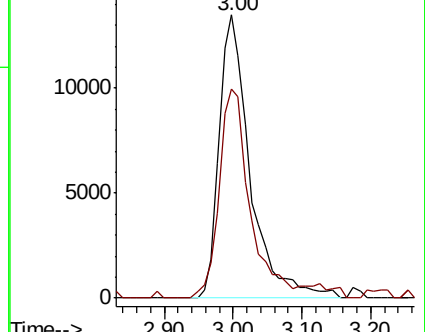
56 100

55 73.8 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.614 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

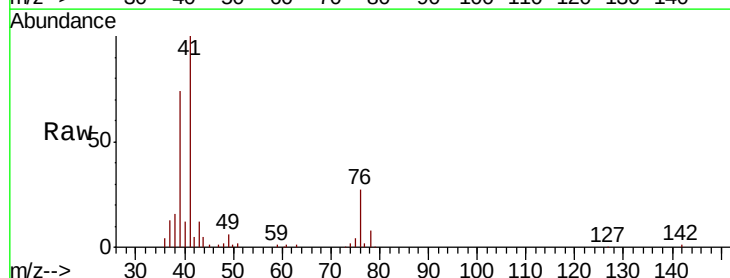
Tgt Ion: 41 Resp: 321674

Ion Ratio Lower Upper

41 100

39 74.4 59.3 88.9

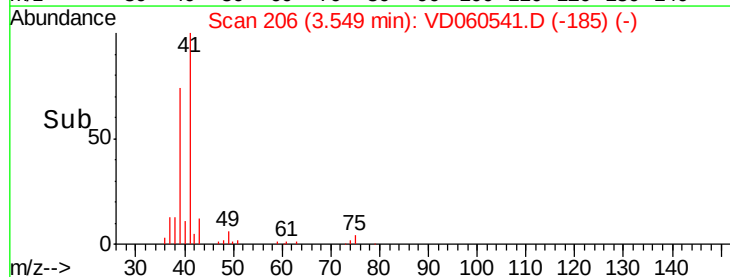
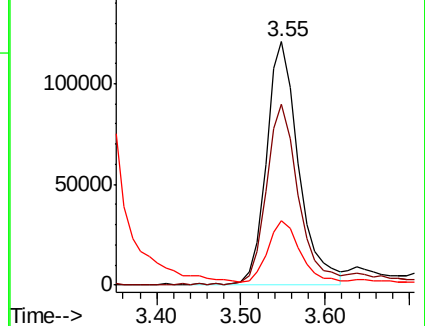
76 26.5 21.0 31.6

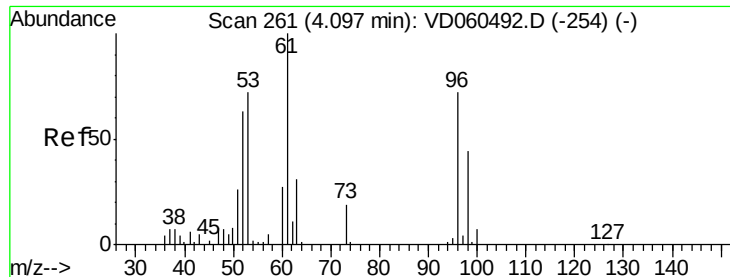


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 97.750 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

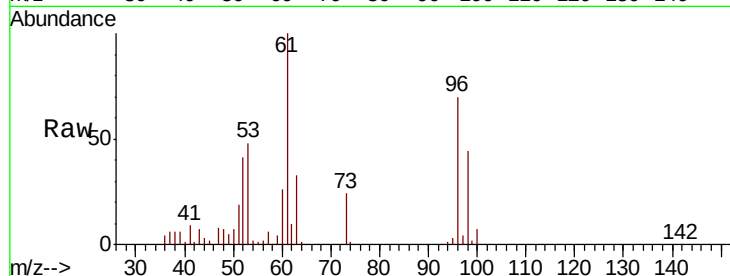
Tot Ion: 53 Resp: 250824

Ion Ratio Lower Upper

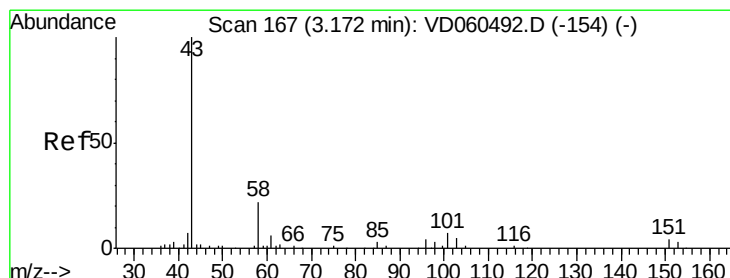
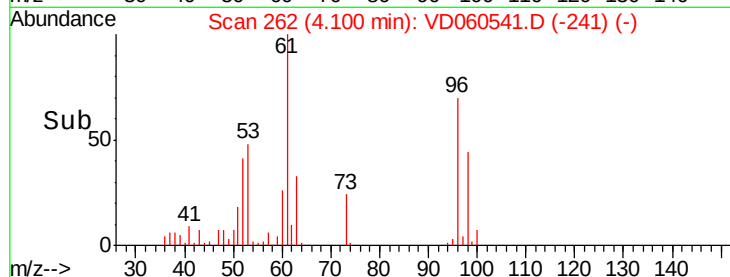
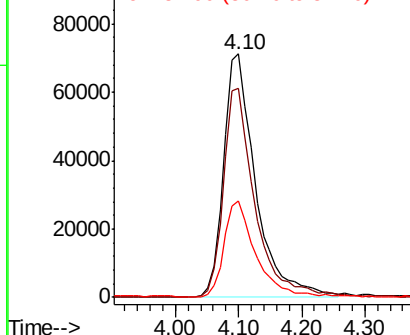
53 100

52 85.7 70.0 105.0

51 39.4 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 87.559 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060541.D

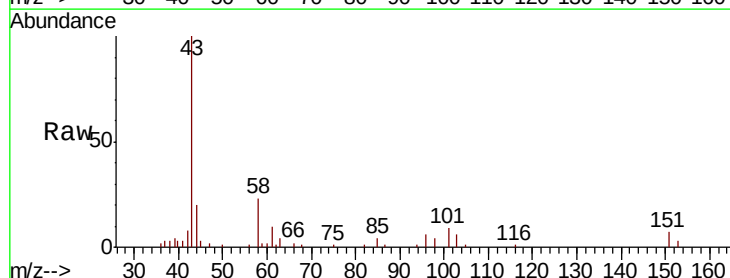
Acq: 12 Dec 2018 12:28

Tgt Ion: 43 Resp: 156115

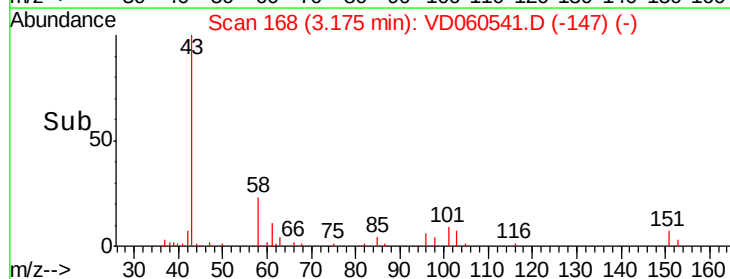
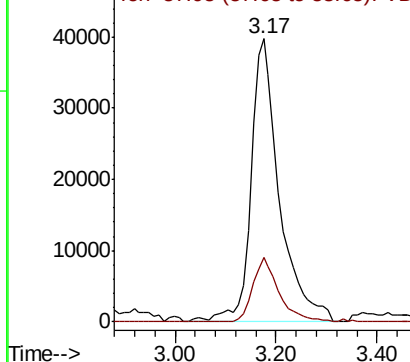
Ion Ratio Lower Upper

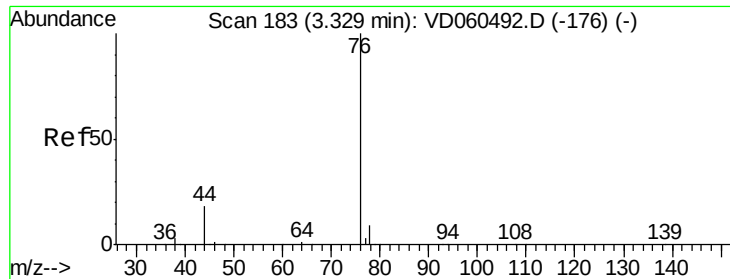
43 100

58 22.8 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

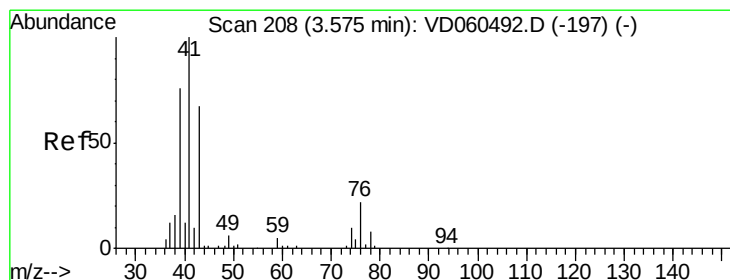
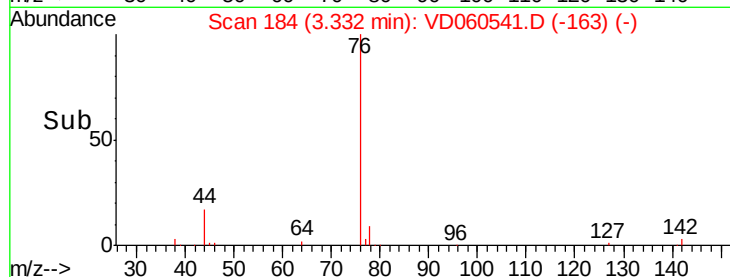
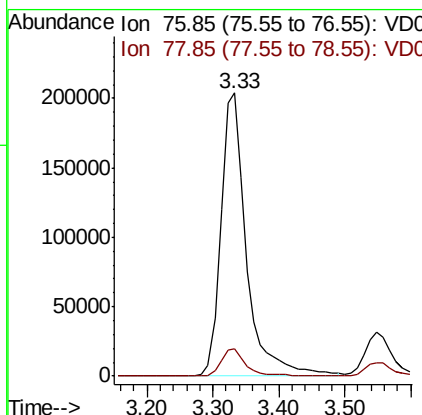
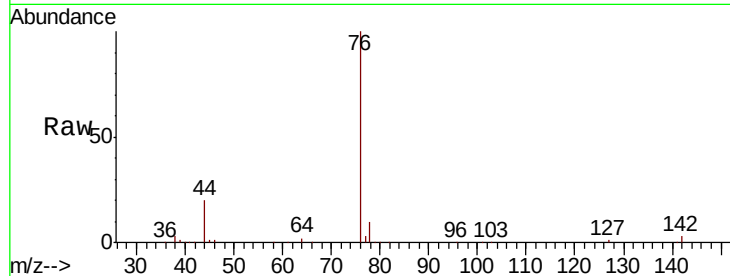




#17
Carbon Disulfide
Concen: 21.678 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

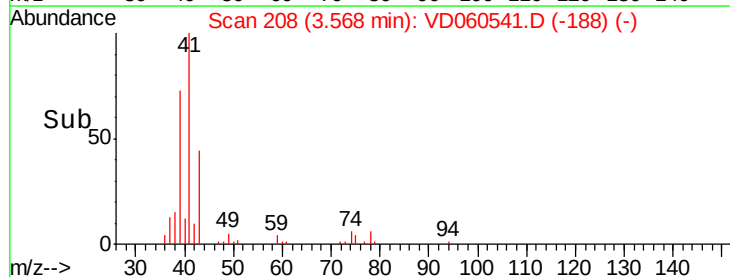
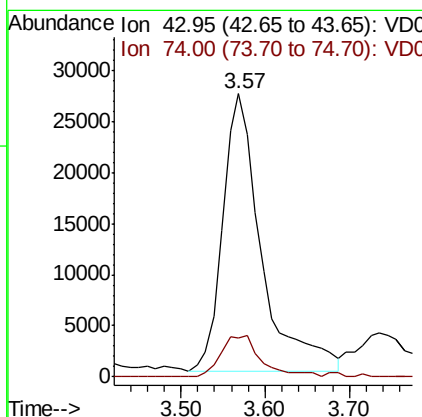
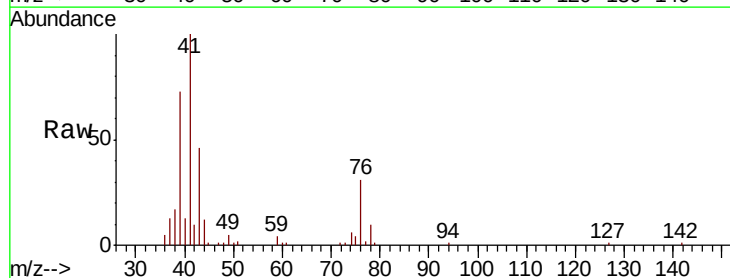
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

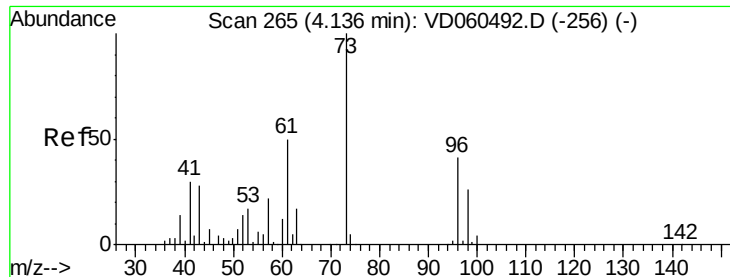
Tot Ion: 76 Resp: 552339
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 20.327 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 43 Resp: 86136
Ion Ratio Lower Upper
43 100
74 13.7 12.0 18.0

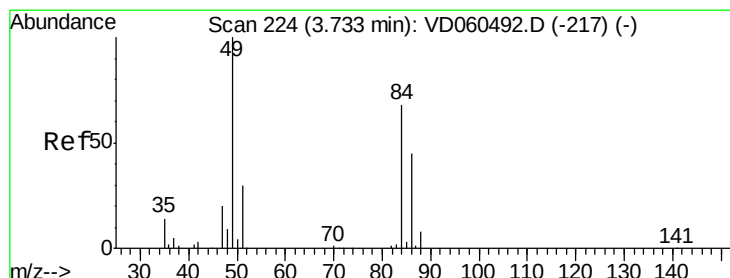
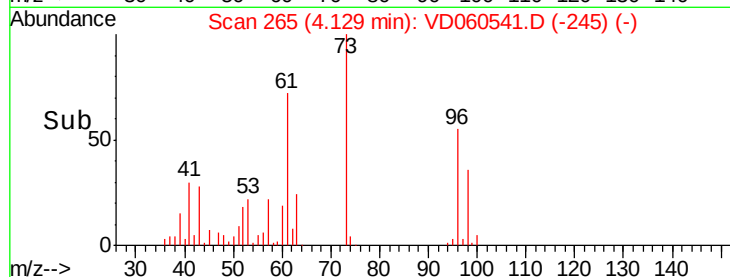
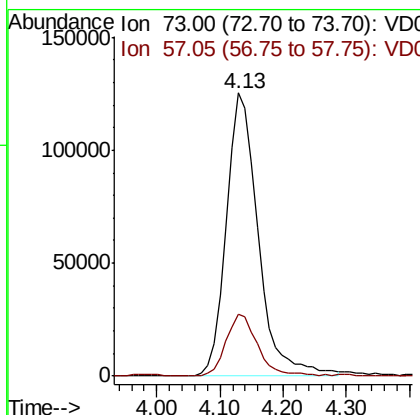
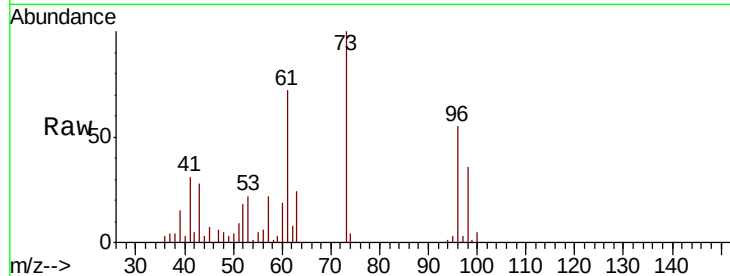




#19
Methyl tert-butyl Ether
Concen: 20.200 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

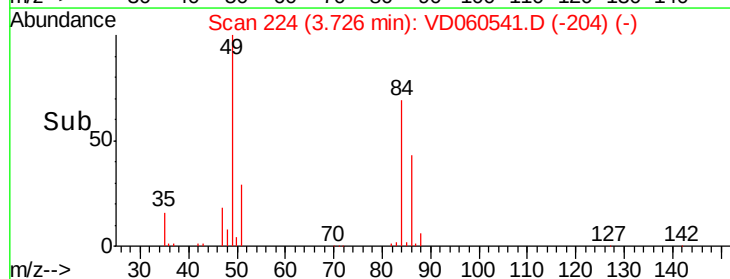
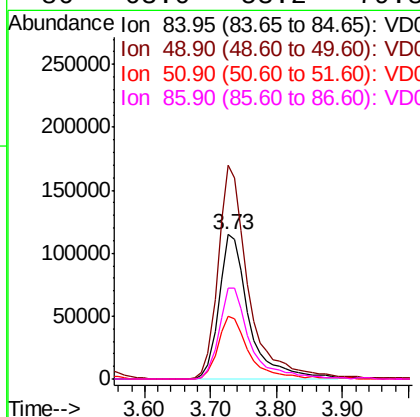
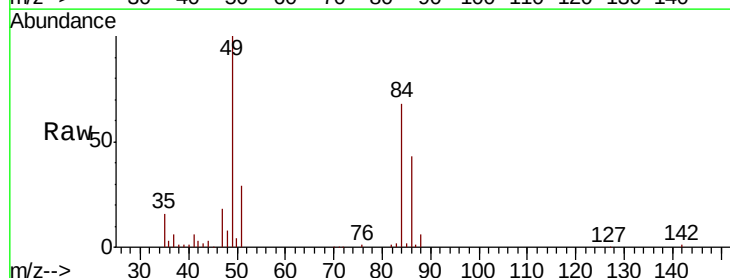
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

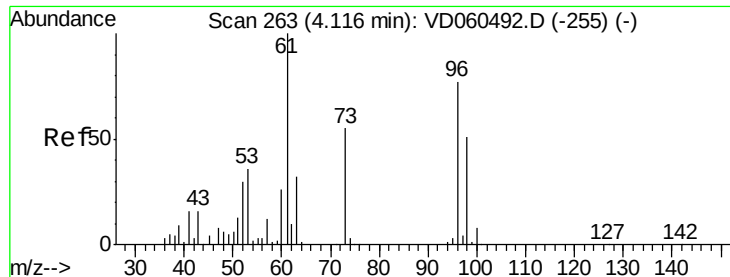
Tot Ion: 73 Resp: 439403
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.6



#20
Methylene Chloride
Concen: 19.661 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 84 Resp: 366310
Ion Ratio Lower Upper
84 100
49 147.9 117.2 175.8
51 43.3 35.3 52.9
86 63.0 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.344 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

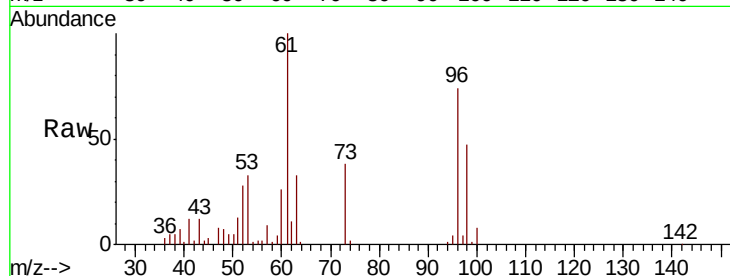
Tot Ion: 96 Resp: 364192

Ion Ratio Lower Upper

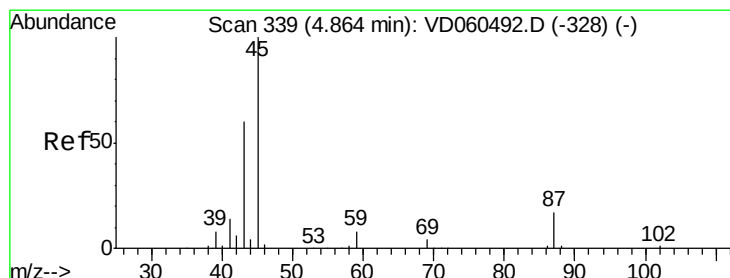
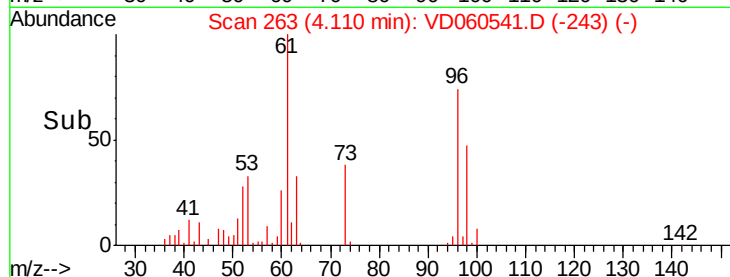
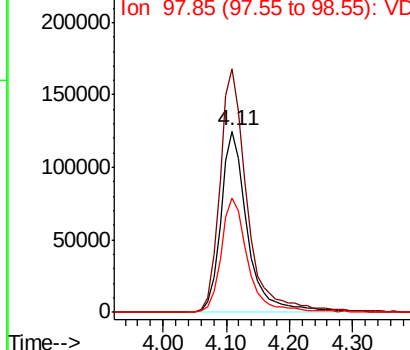
96 100

61 134.4 104.2 156.4

98 63.4 52.8 79.2



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



#22

Diisopropyl ether

Concen: 20.178 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Tgt Ion: 45 Resp: 1078188

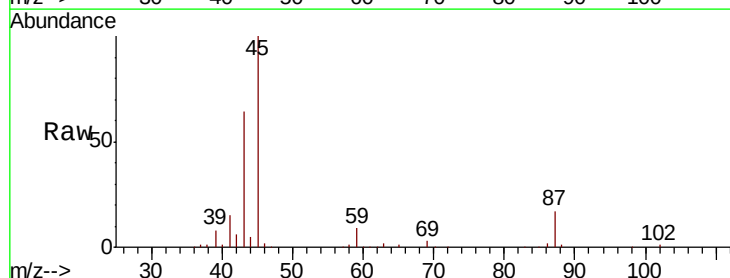
Ion Ratio Lower Upper

45 100

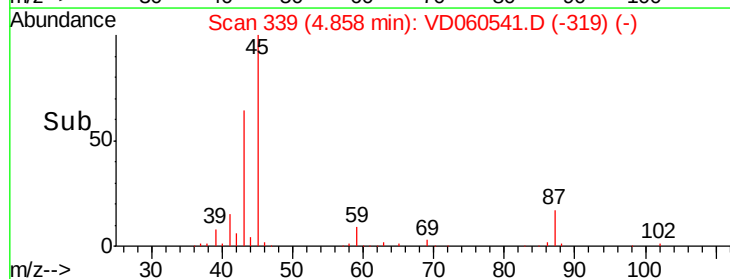
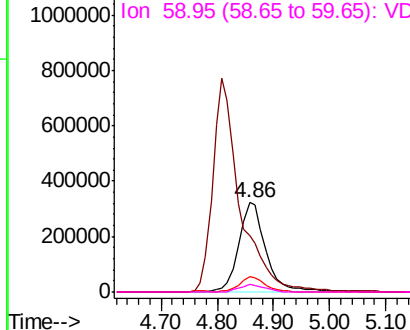
43 63.9 48.6 73.0

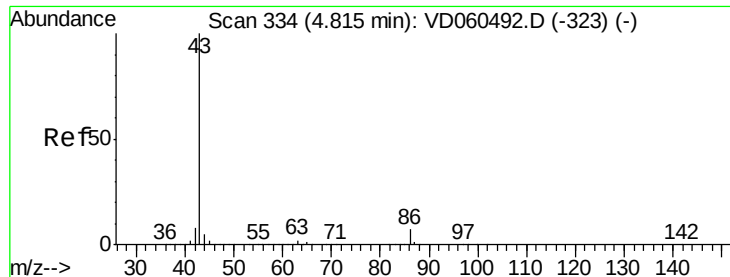
87 16.8 14.0 21.0

59 8.8 6.9 10.3



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 98.482 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

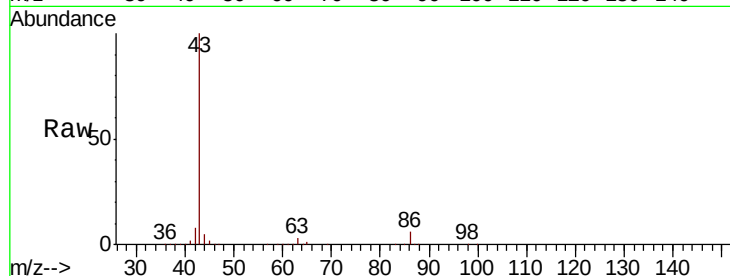
VD1212SBS01

Tot Ion: 43 Resp: 2607225

Ion Ratio Lower Upper

43 100

86 6.4 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

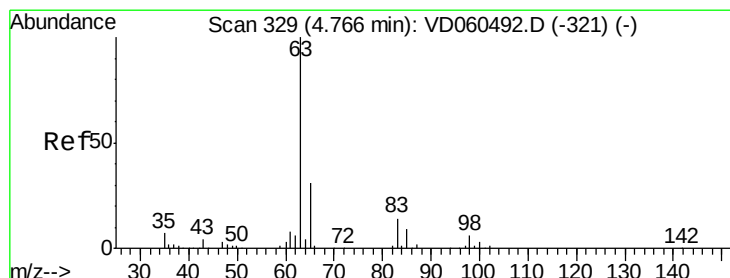
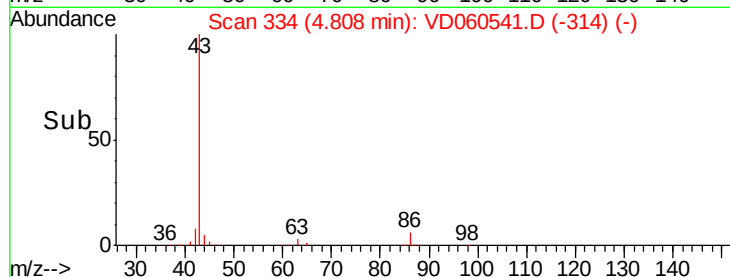
400000

200000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.303 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

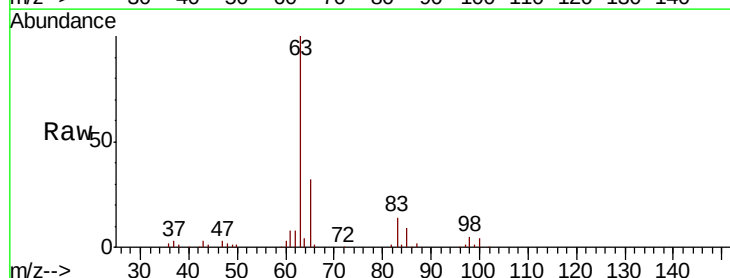
Tgt Ion: 63 Resp: 591357

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 3.7 1.7 5.1



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

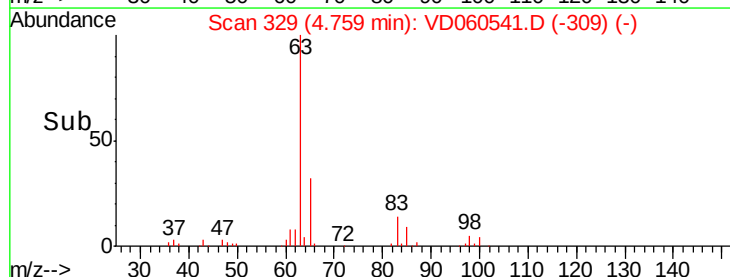
100000

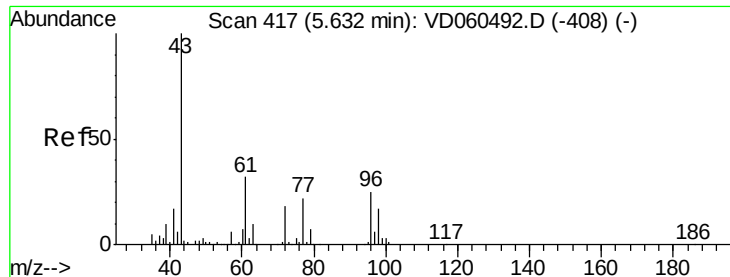
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 92.514 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

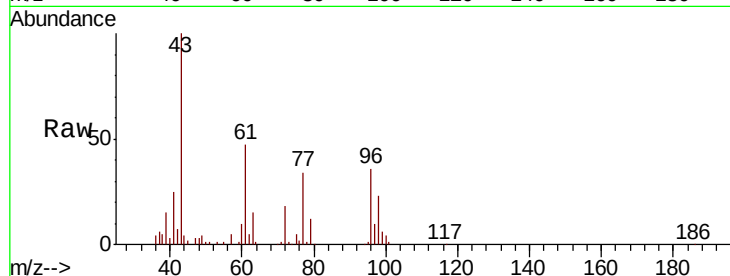
VD1212SBS01

Tot Ion: 43 Resp: 324524

Ion Ratio Lower Upper

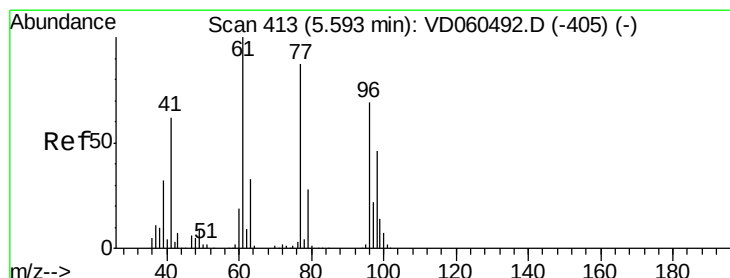
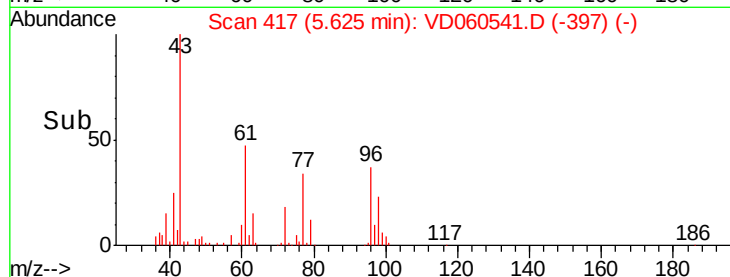
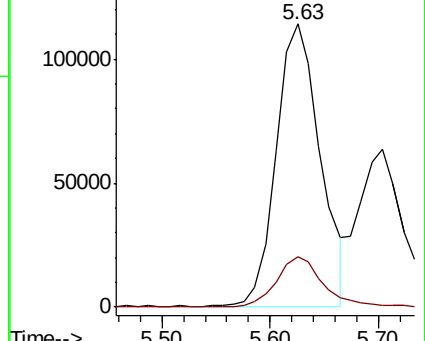
43 100

72 17.9 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.860 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060541.D

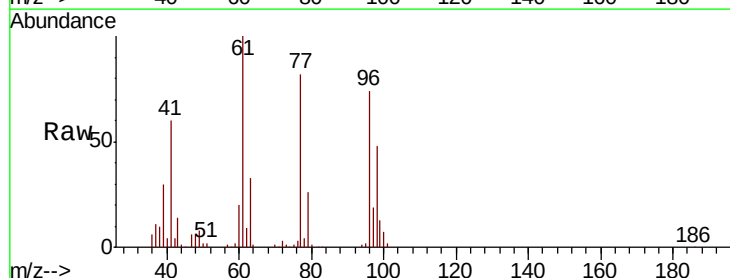
Acq: 12 Dec 2018 12:28

Tgt Ion: 77 Resp: 490216

Ion Ratio Lower Upper

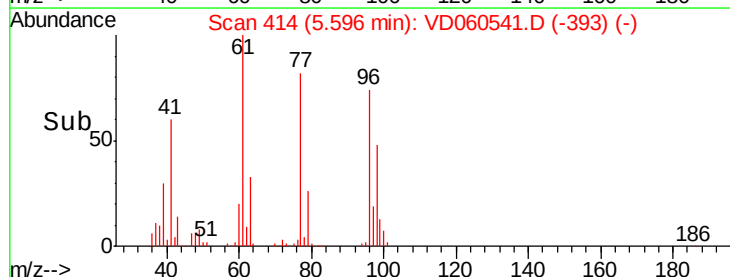
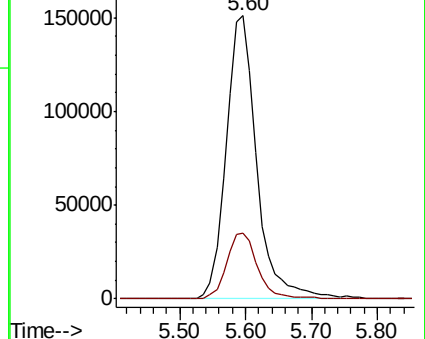
77 100

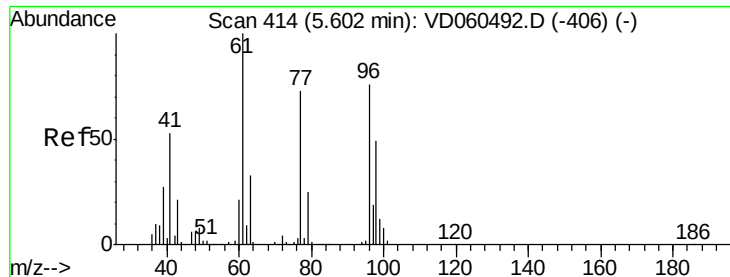
97 23.5 12.7 38.0



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: 21.394 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

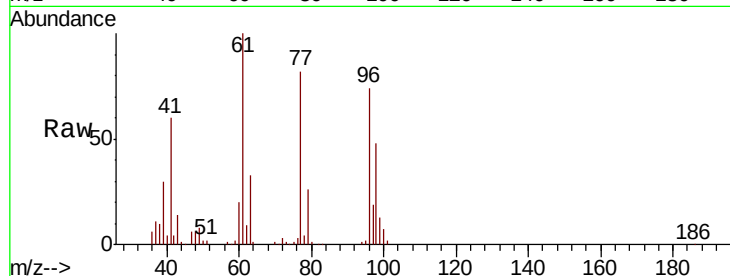
Tot Ion: 96 Resp: 371166

Ion Ratio Lower Upper

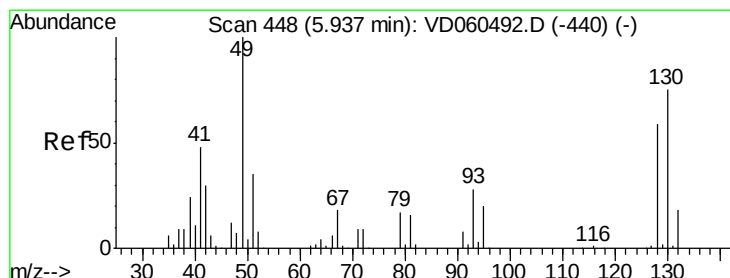
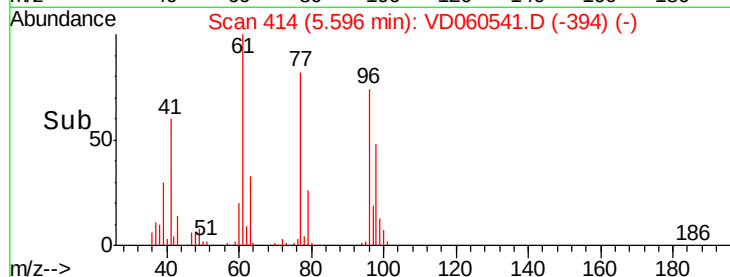
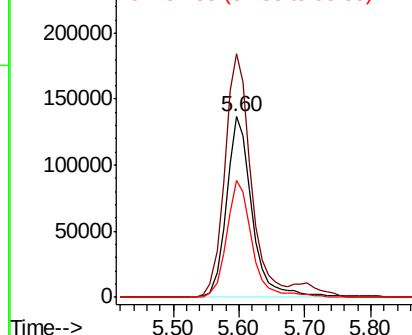
96 100

61 134.7 0.0 263.6

98 64.8 0.0 128.2



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



#28

Bromochloromethane

Concen: 19.199 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

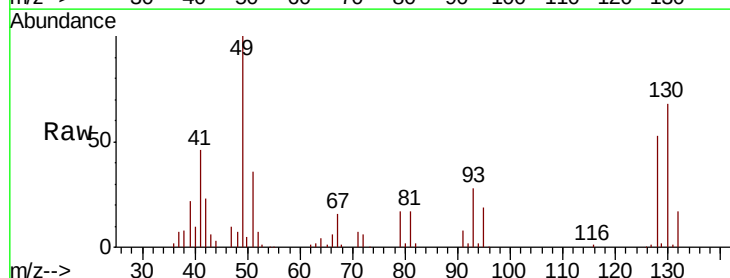
Tgt Ion: 49 Resp: 236094

Ion Ratio Lower Upper

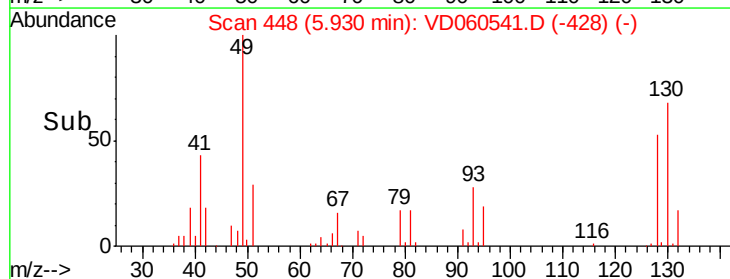
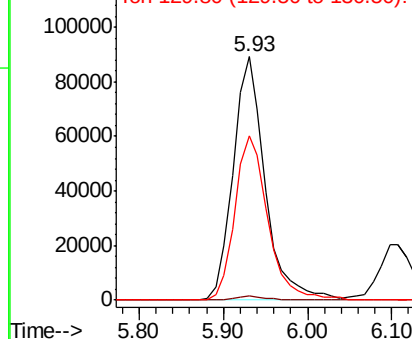
49 100

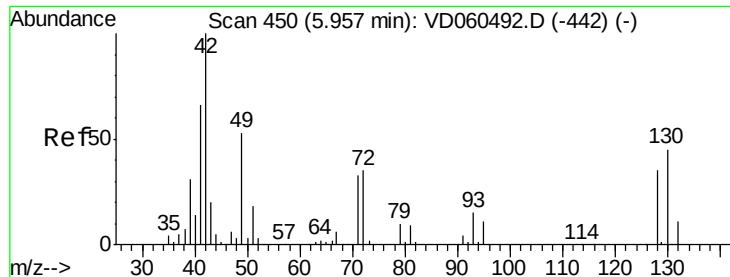
129 1.5 0.0 3.4

130 67.6 59.8 89.6



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





#29

Tetrahydrofuran

Concen: 98.739 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

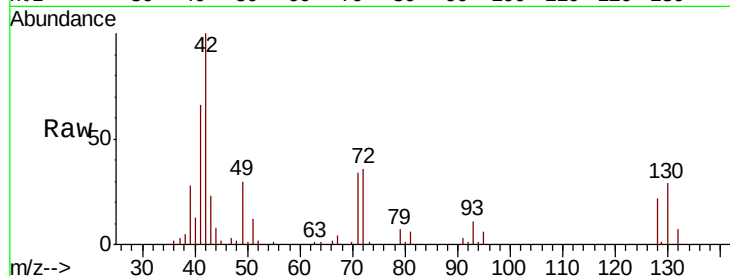
Tot Ion: 42 Resp: 196137

Ion Ratio Lower Upper

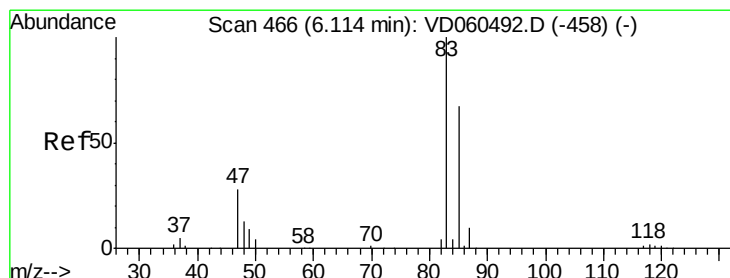
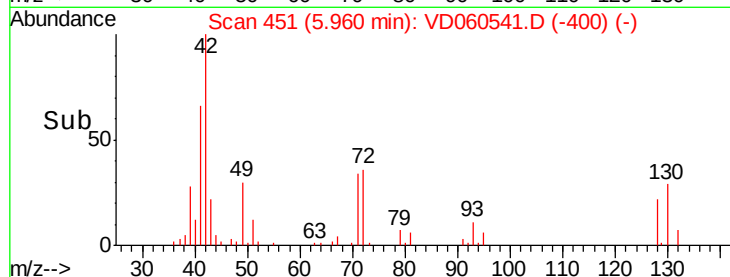
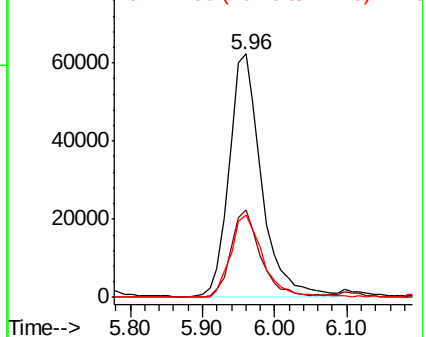
42 100

72 33.1 28.0 42.0

71 33.7 27.2 40.8



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.151 ug/l

RT: 6.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060541.D

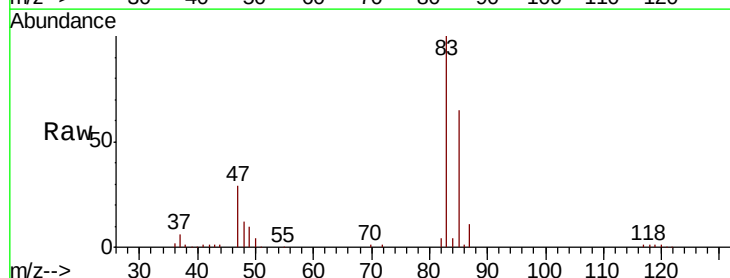
Acq: 12 Dec 2018 12:28

Tgt Ion: 83 Resp: 591509

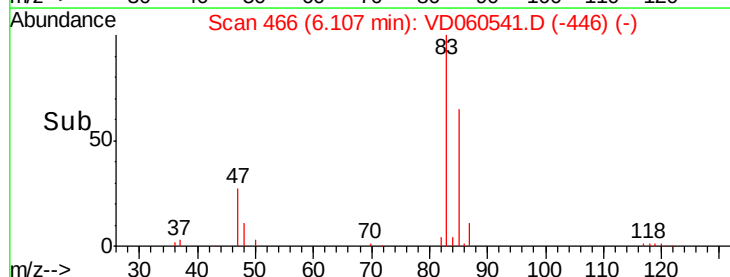
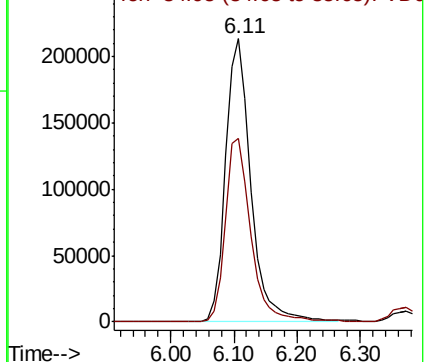
Ion Ratio Lower Upper

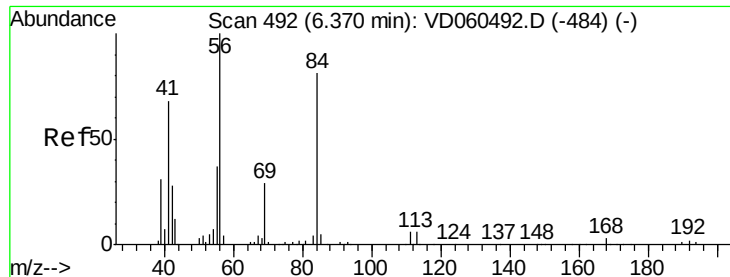
83 100

85 65.1 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

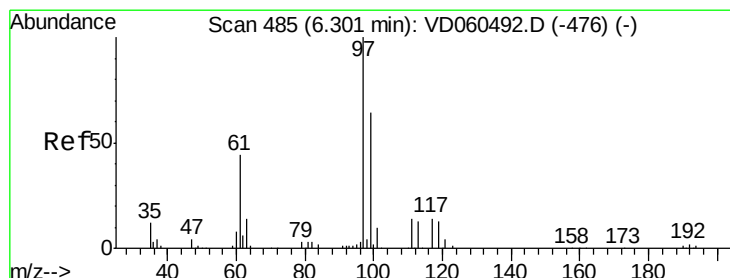
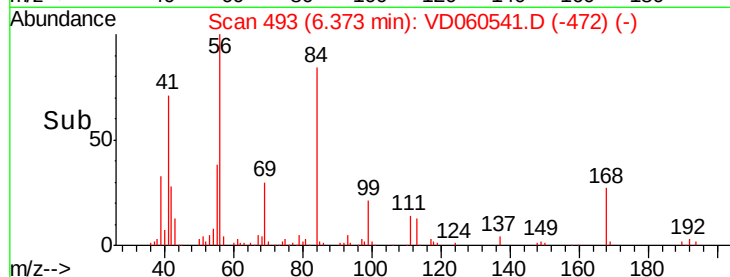
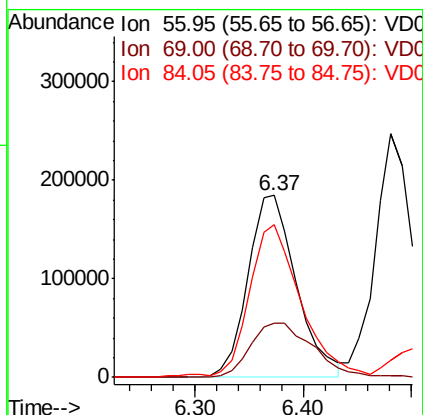
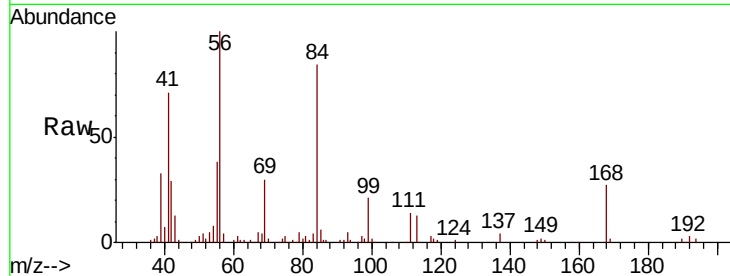




#31
Cyclohexane
Concen: 22.022 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

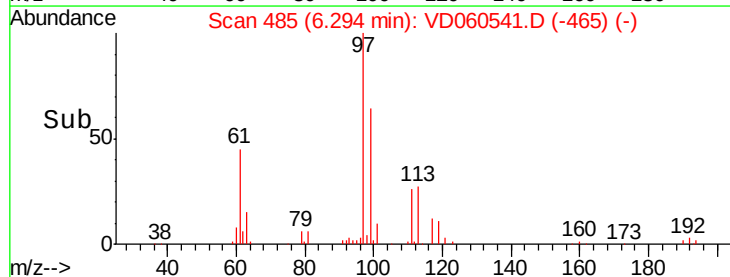
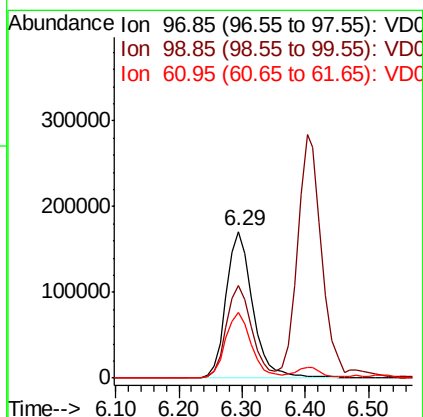
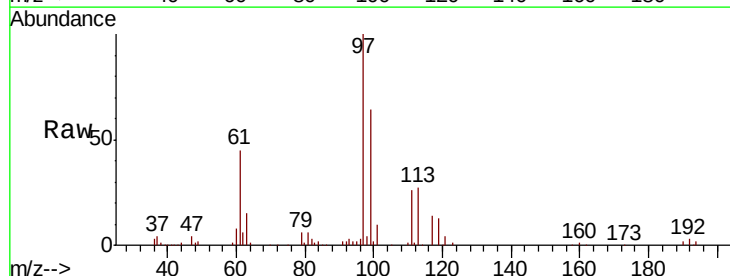
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

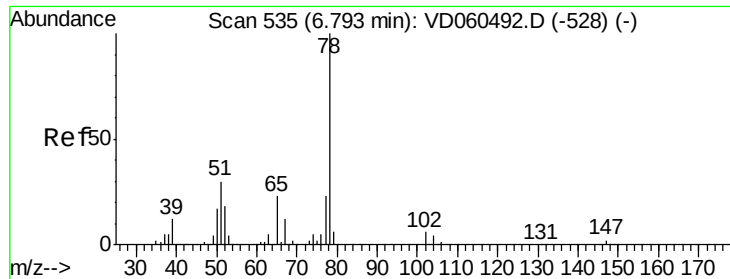
Tot Ion: 56 Resp: 573626
Ion Ratio Lower Upper
56 100
69 29.5 22.8 34.2
84 83.8 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 21.673 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 97 Resp: 498264
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 44.9 35.3 52.9

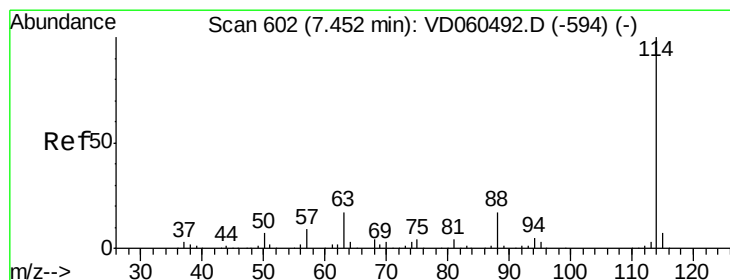
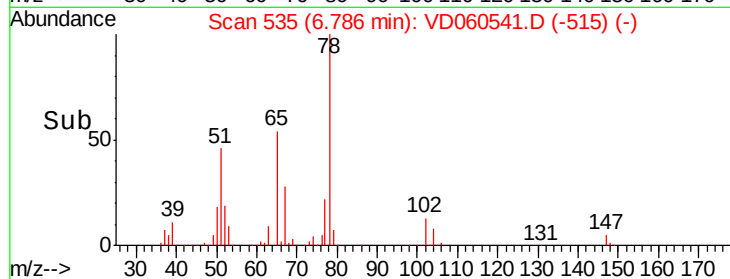
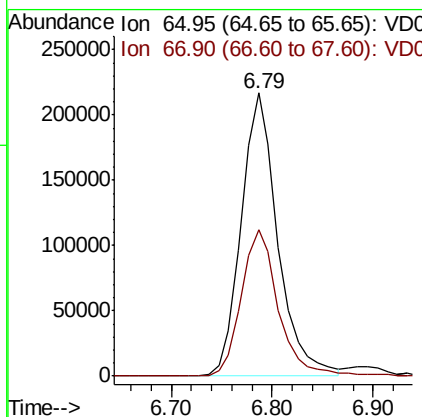
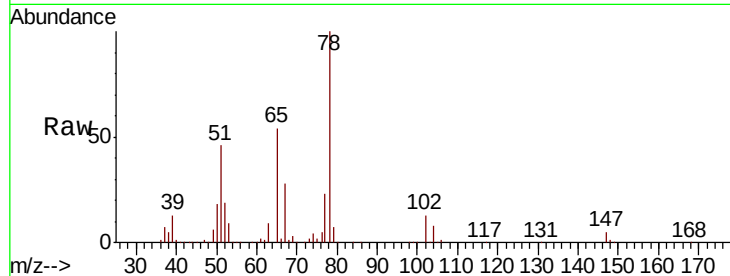




#33
 1,2-Dichloroethane-d4
 Concen: 21.673 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

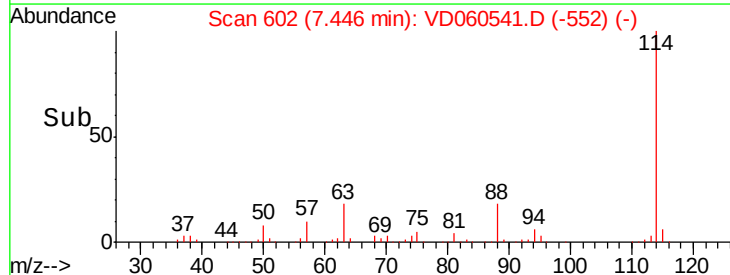
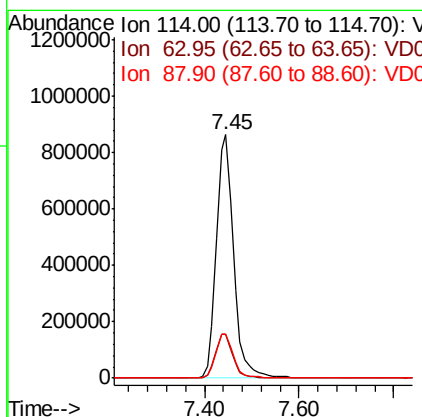
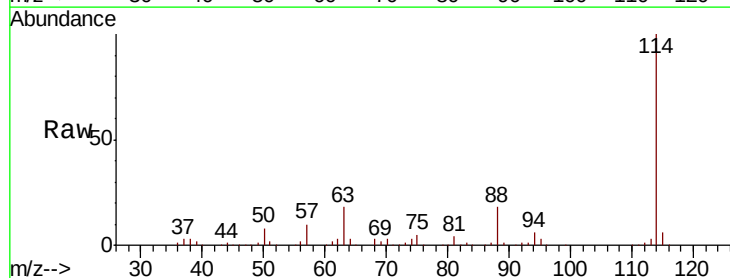
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

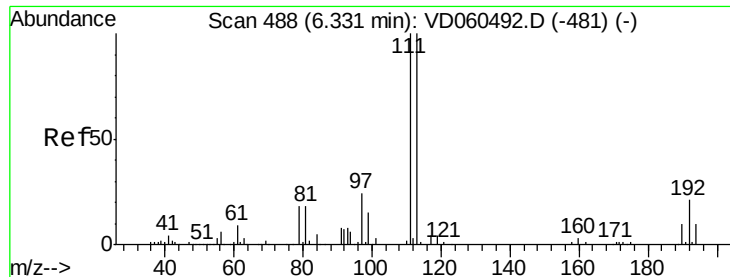
Tot Ion: 65 Resp: 547268
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion: 114 Resp: 2176474
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.2
 88 18.3 0.0 35.0

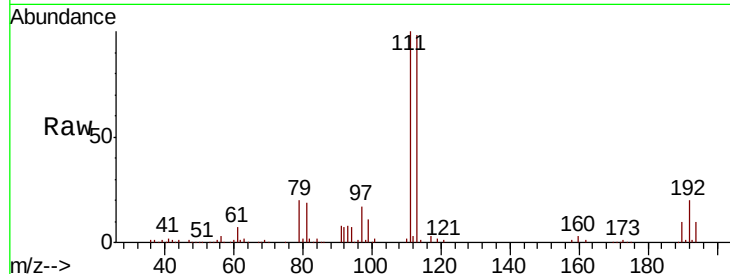




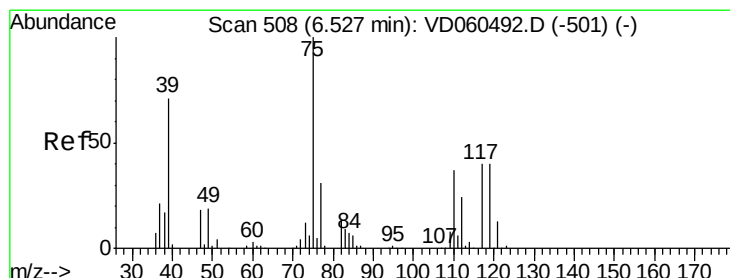
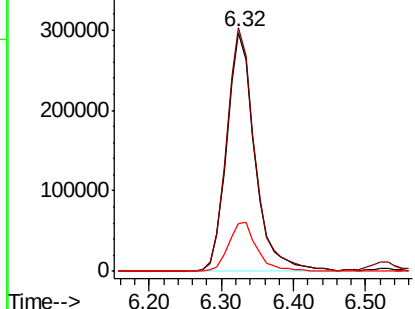
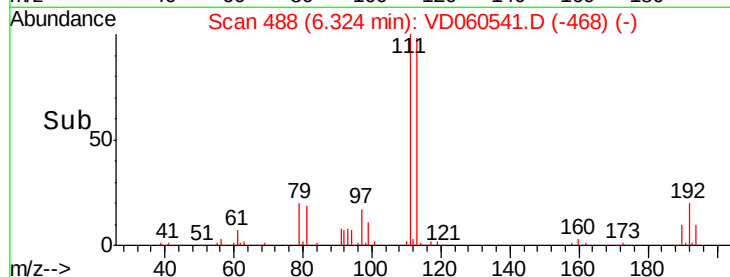
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.2	120.4
192	20.2	16.6	24.8

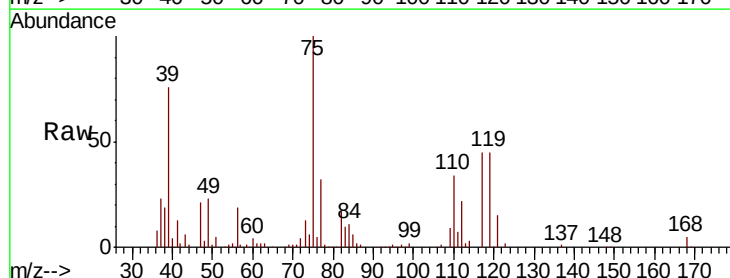


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

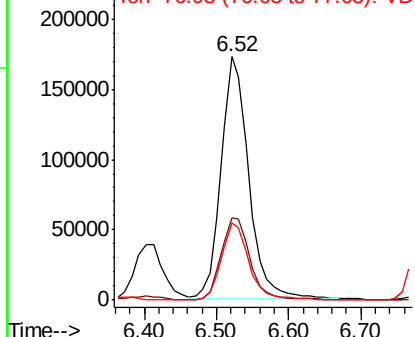
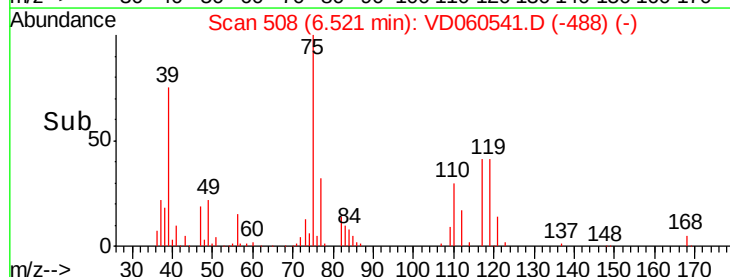


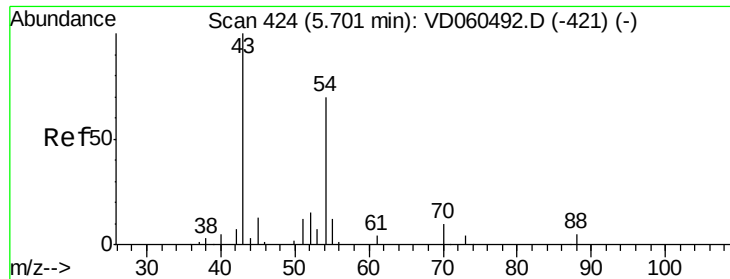
#36
 1,1-Dichloropropene
 Concen: 21.414 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	18.3	54.8
77	31.8	24.6	37.0



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

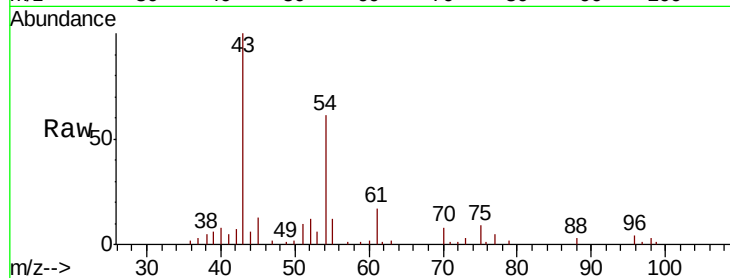




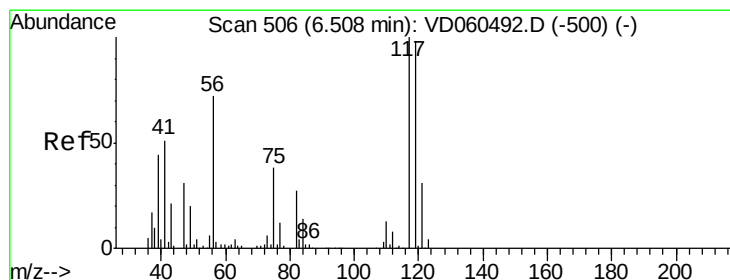
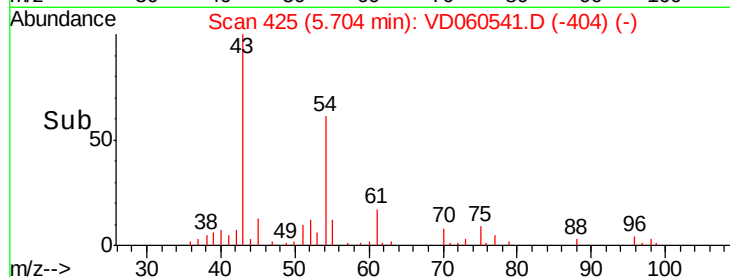
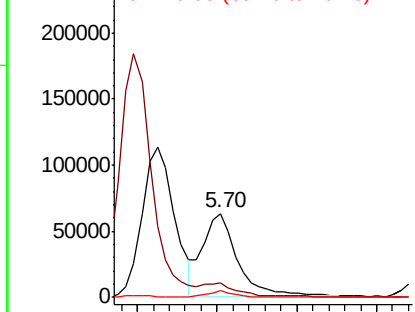
#37
Ethyl Acetate
Concen: 20.576 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleID :
VD1212SBS01

Tot Ion: 43 Resp: 189847
Ion Ratio Lower Upper
43 100
61 16.8 12.4 18.6
70 7.6 5.4 8.0

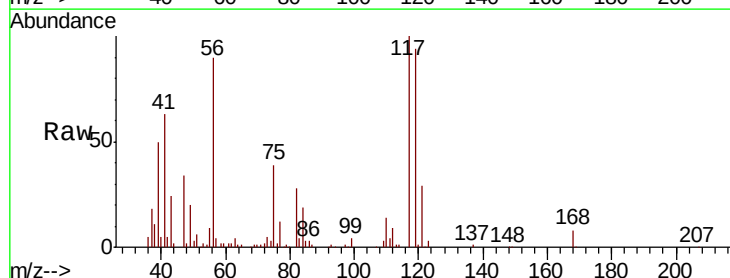


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

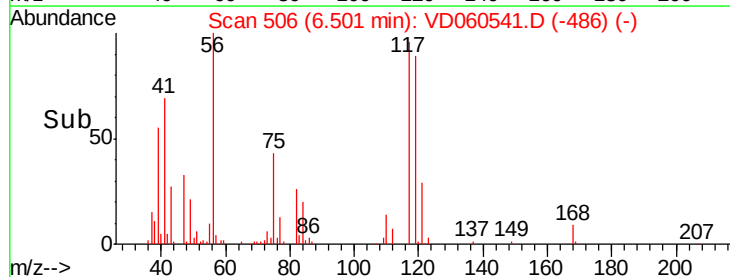
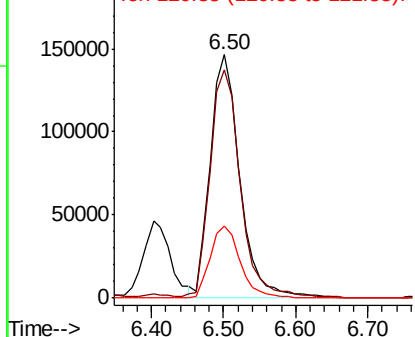


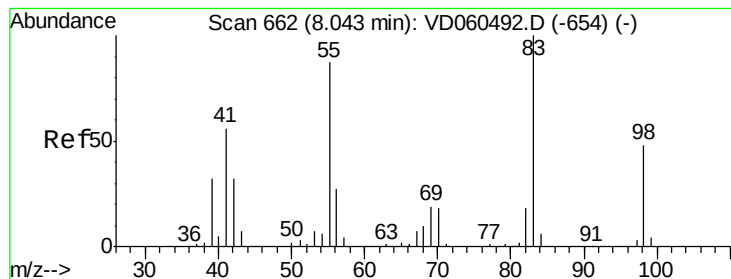
#38
Carbon Tetrachloride
Concen: 21.394 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 117 Resp: 408612
Ion Ratio Lower Upper
117 100
119 93.8 76.8 115.2
121 29.5 24.4 36.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 22.055 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

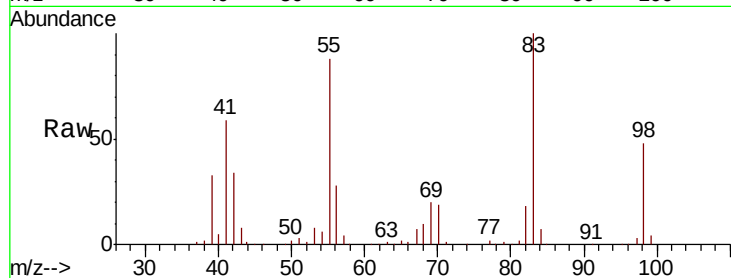
Tot Ion: 83 Resp: 534889

Ion Ratio Lower Upper

83 100

55 88.4 69.8 104.8

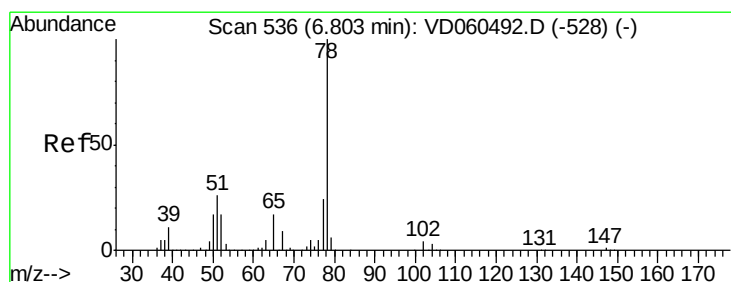
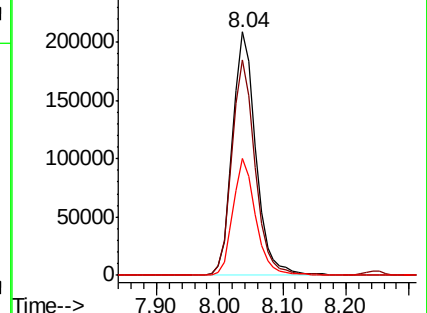
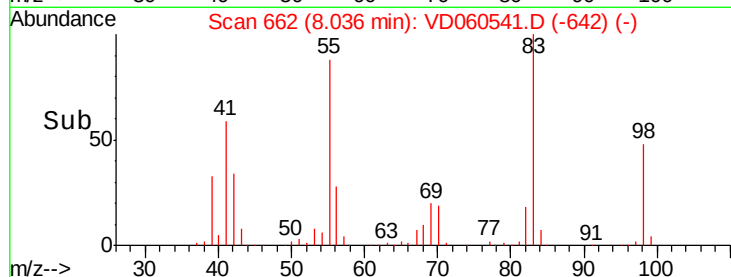
98 47.9 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.517 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060541.D

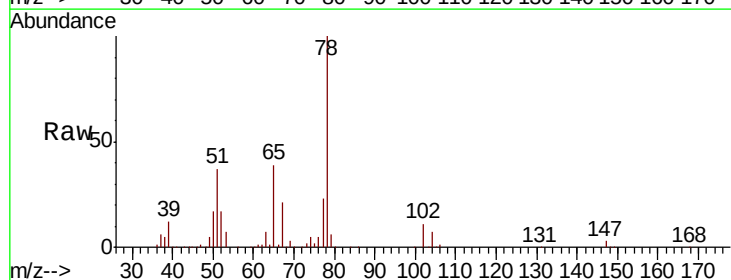
Acq: 12 Dec 2018 12:28

Tgt Ion: 78 Resp: 1169891

Ion Ratio Lower Upper

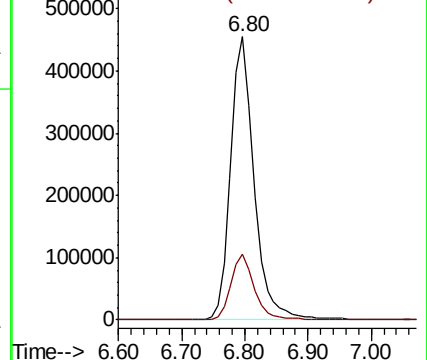
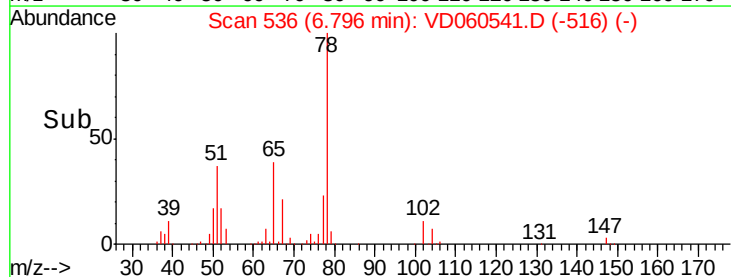
78 100

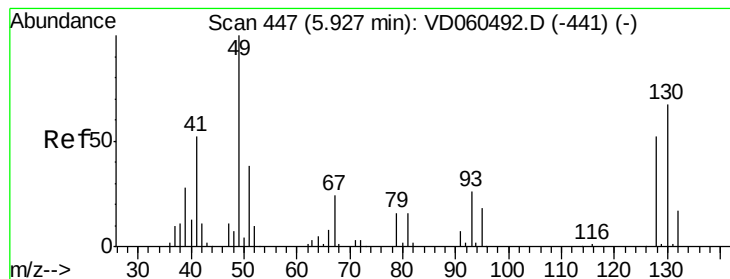
77 23.4 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 41.935 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

Tot Ion: 41 Resp: 208570

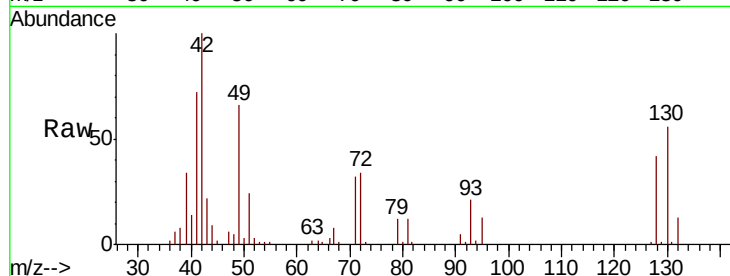
Ion Ratio Lower Upper

41 100

39 47.6 42.6 63.8

67 10.9 36.2 54.4#

52 4.5 15.6 23.4#

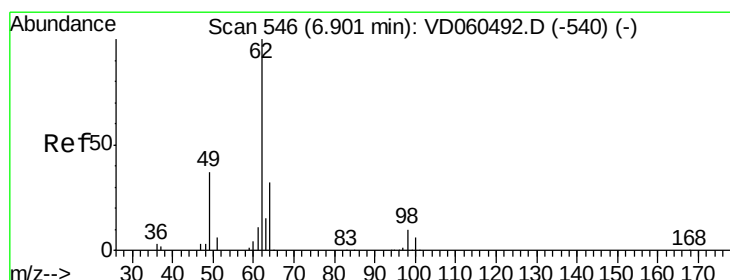
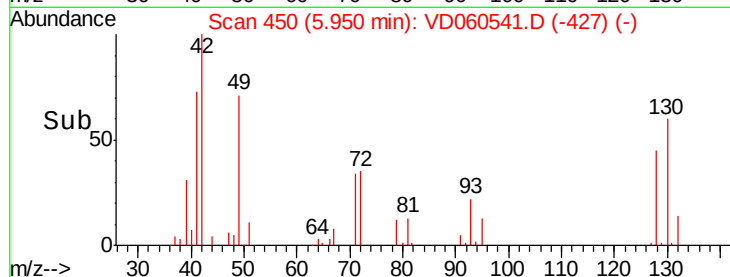
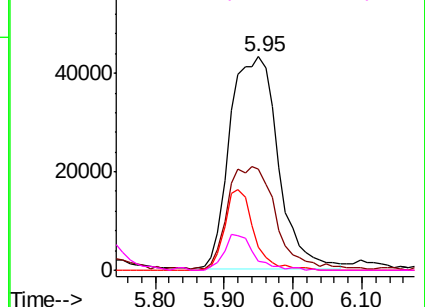


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.331 ug/l

RT: 6.89 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060541.D

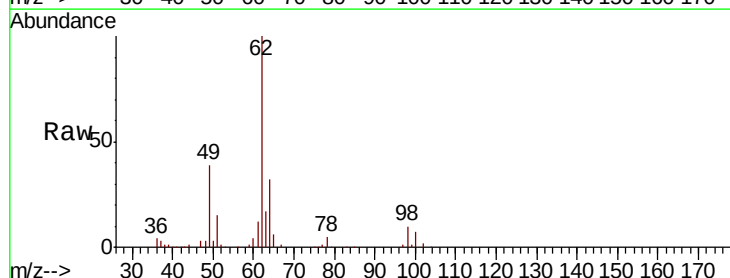
Acq: 12 Dec 2018 12:28

Tgt Ion: 62 Resp: 281058

Ion Ratio Lower Upper

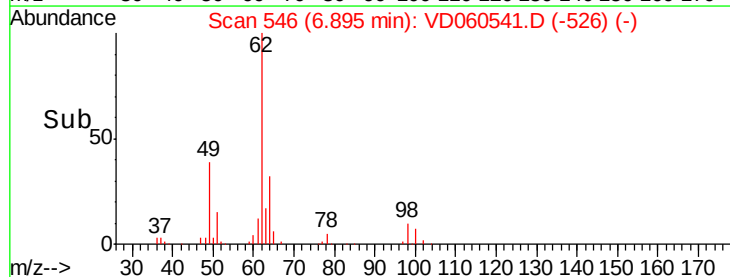
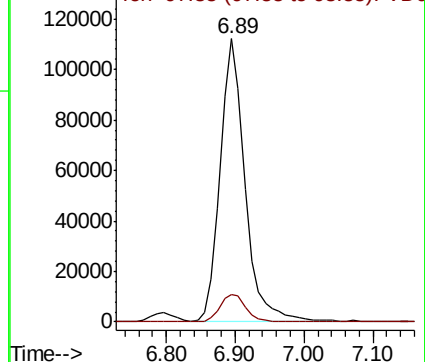
62 100

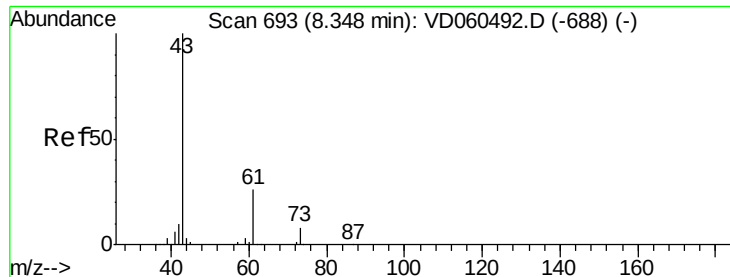
98 9.8 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.271 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

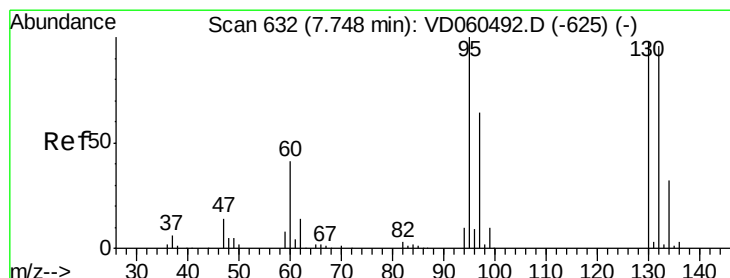
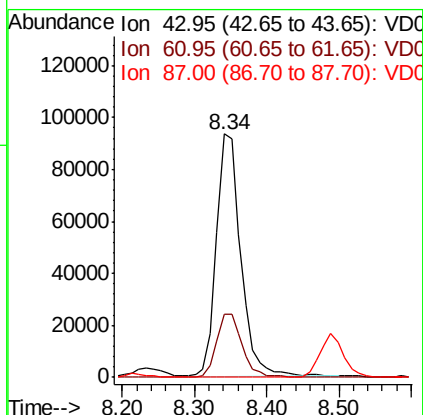
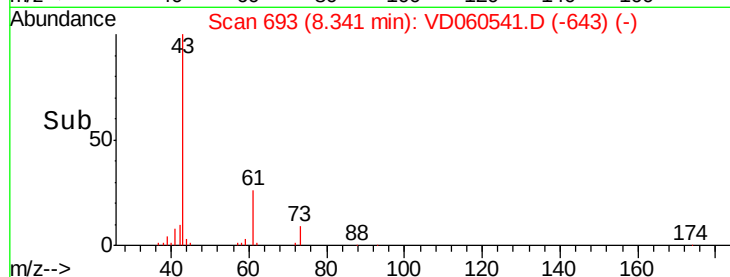
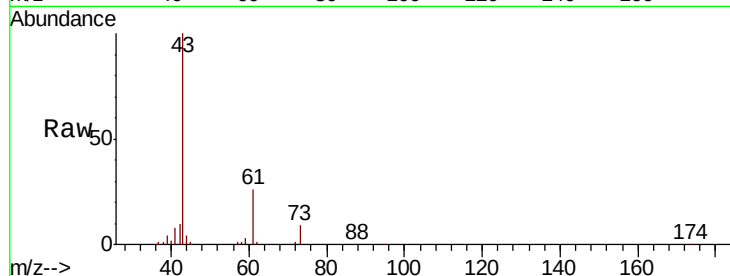
Tot Ion: 43 Resp: 219481

Ion Ratio Lower Upper

43 100

61 25.7 21.0 31.4

87 0.0 0.2 0.2#



#44

Trichloroethene

Concen: 20.980 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060541.D

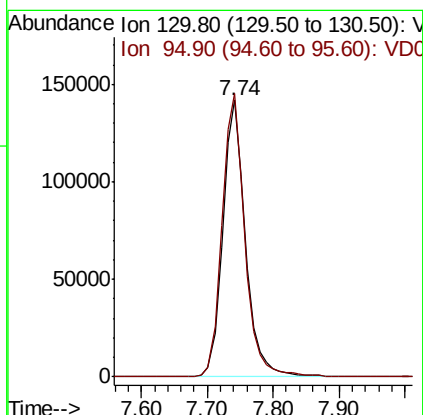
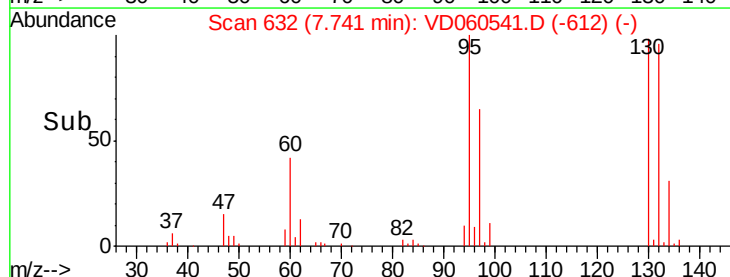
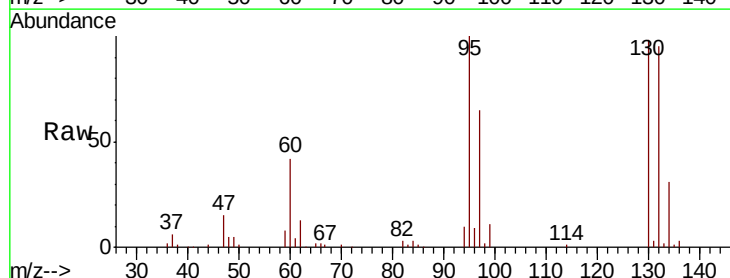
Acq: 12 Dec 2018 12:28

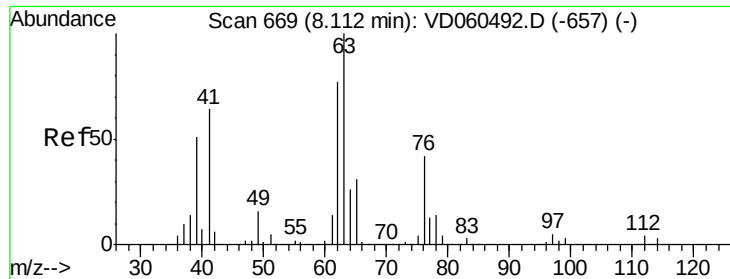
Tgt Ion: 130 Resp: 340905

Ion Ratio Lower Upper

130 100

95 102.4 0.0 203.8

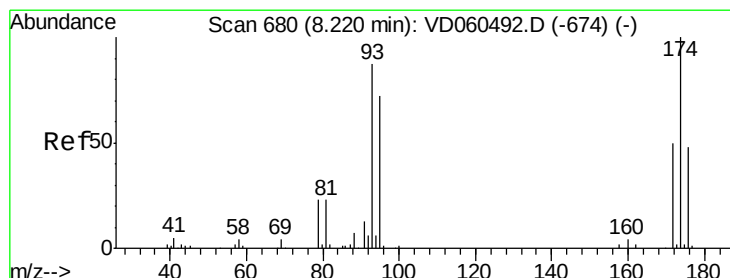
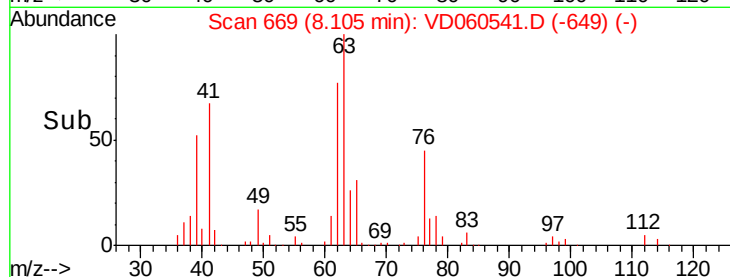
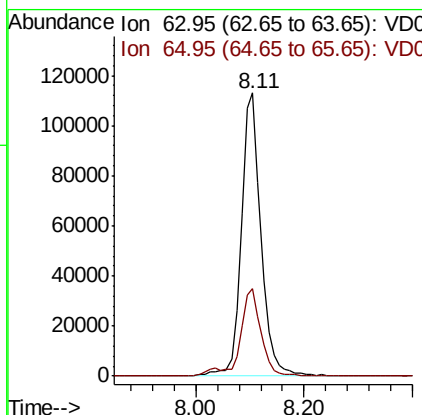
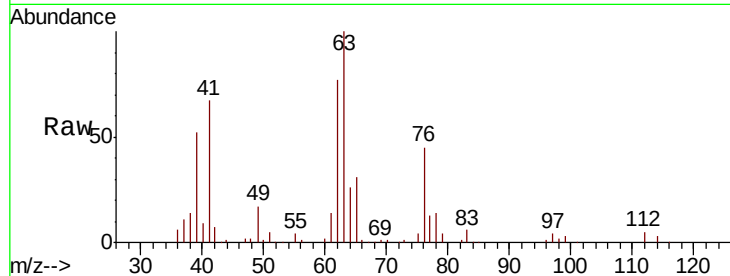




#45
 1,2-Dichloropropane
 Concen: 21.217 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

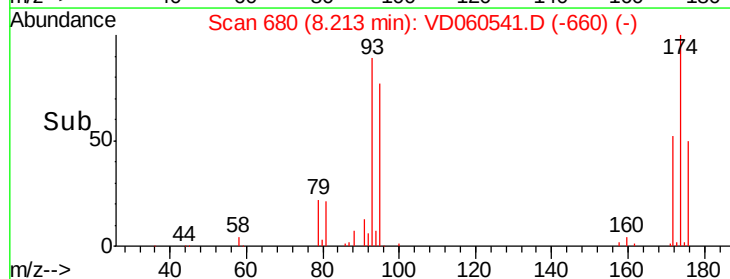
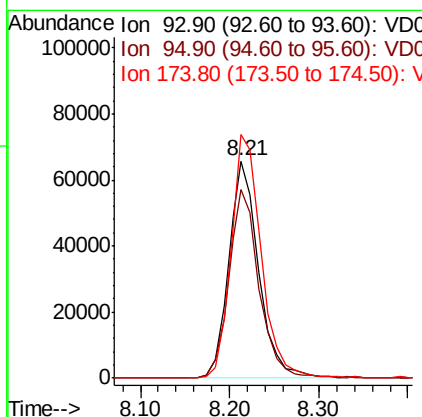
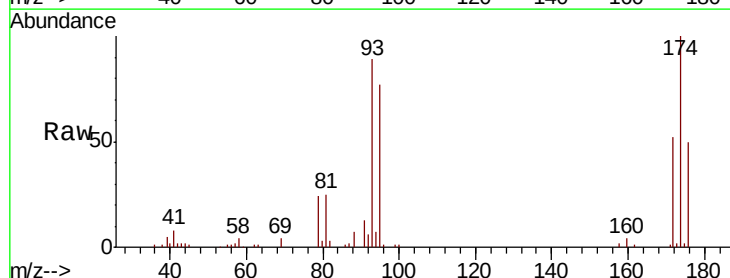
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

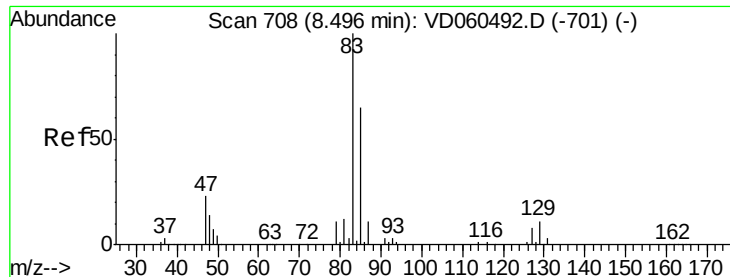
Tot Ion: 63 Resp: 285309
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 37.0



#46
 Dibromomethane
 Concen: 19.759 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion: 93 Resp: 153519
 Ion Ratio Lower Upper
 93 100
 95 86.5 65.6 98.4
 174 112.0 91.7 137.5





#47

Bromodichloromethane

Concen: 21.011 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

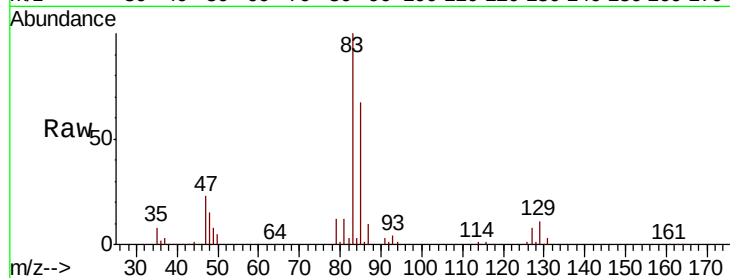
Tot Ion: 83 Resp: 387344

Ion Ratio Lower Upper

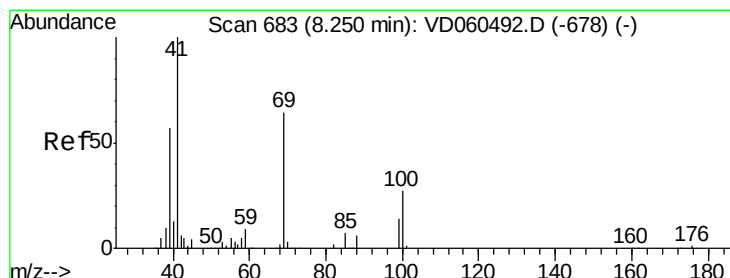
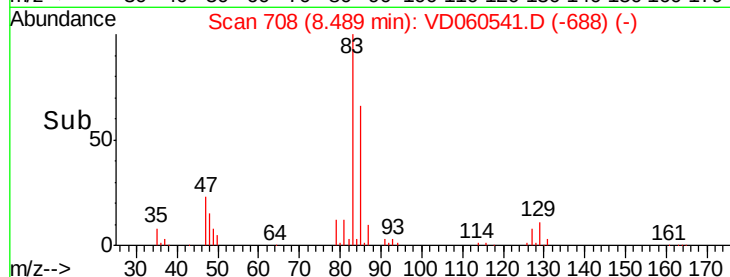
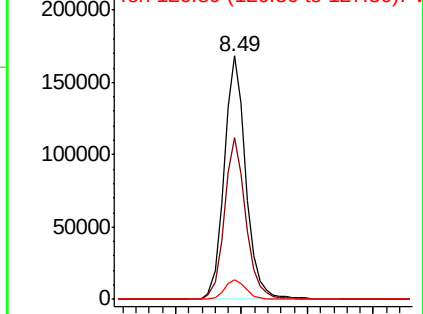
83 100

85 66.6 52.2 78.4

127 7.9 6.7 10.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.872 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

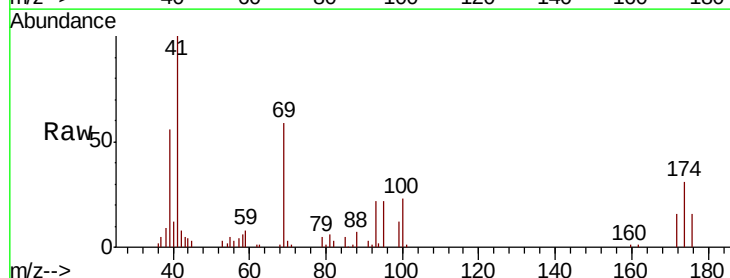
Tgt Ion: 41 Resp: 133922

Ion Ratio Lower Upper

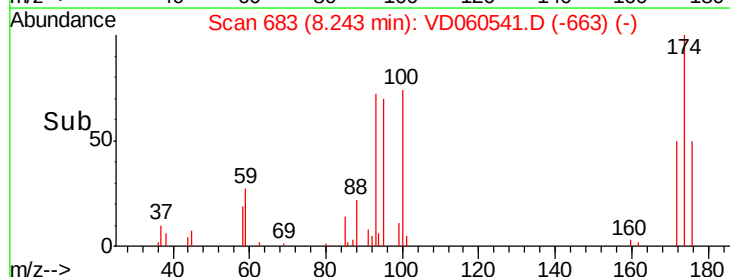
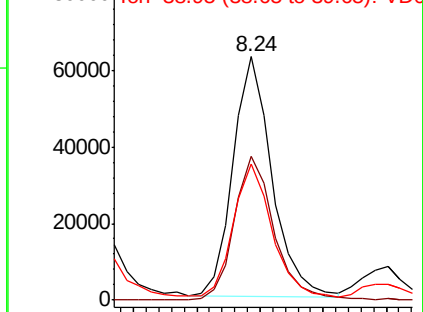
41 100

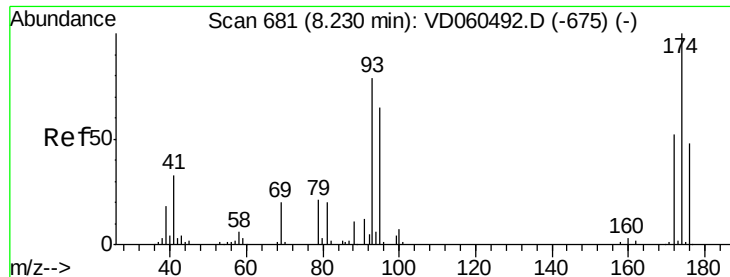
69 59.3 50.2 75.4

39 56.1 46.1 69.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 382.658 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

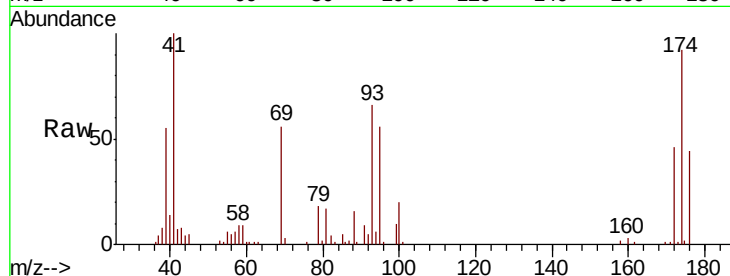
Tot Ion: 88 Resp: 23372

Ion Ratio Lower Upper

88 100

43 49.0 32.9 49.3

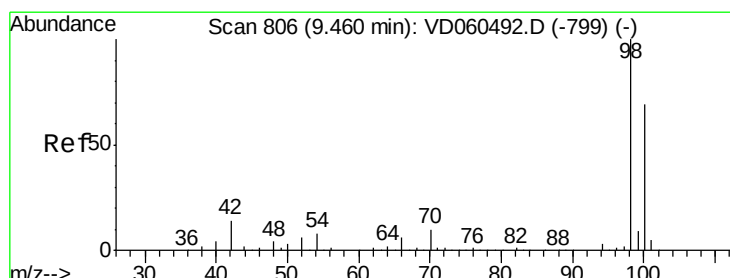
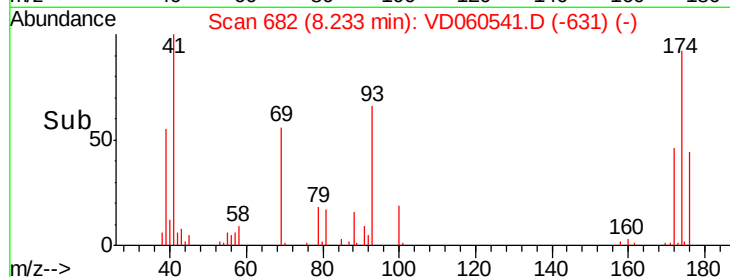
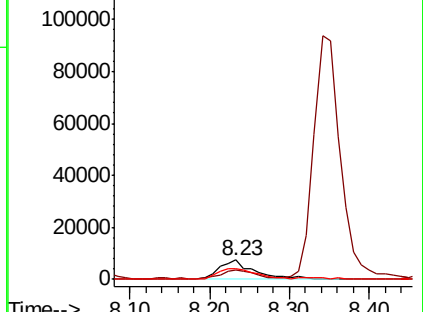
58 56.6 47.7 71.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 382.658 ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060541.D

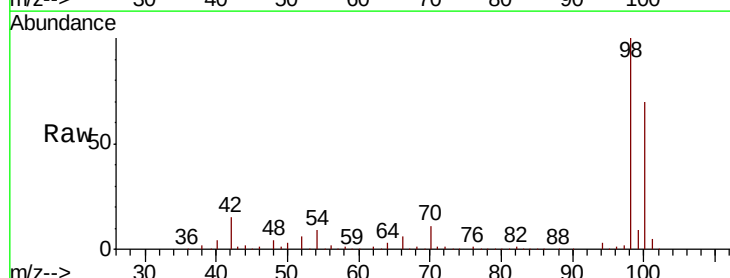
Acq: 12 Dec 2018 12:28

Tgt Ion: 98 Resp: 2370816

Ion Ratio Lower Upper

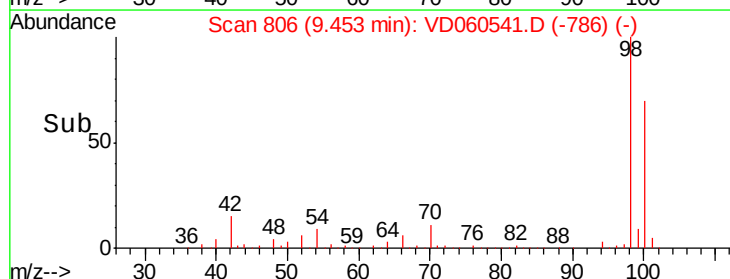
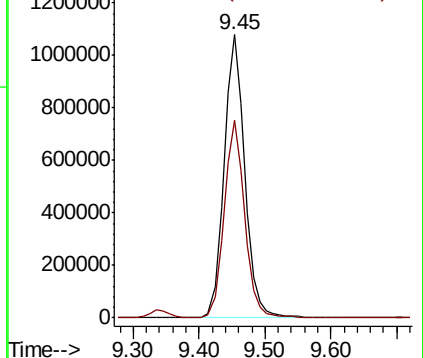
98 100

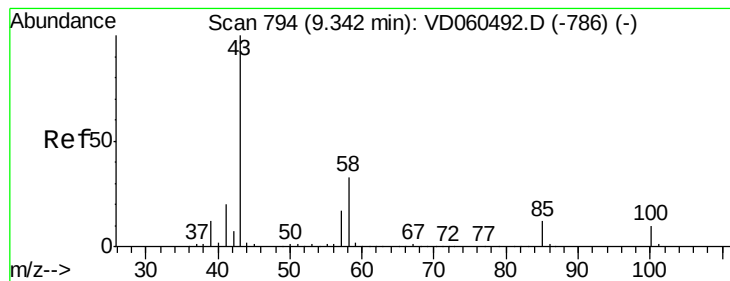
100 69.9 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 96.115 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

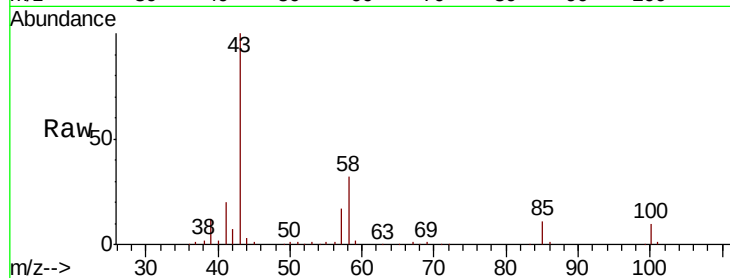
VD1212SBS01

Tot Ion: 43 Resp: 680949

Ion Ratio Lower Upper

43 100

58 31.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

300000

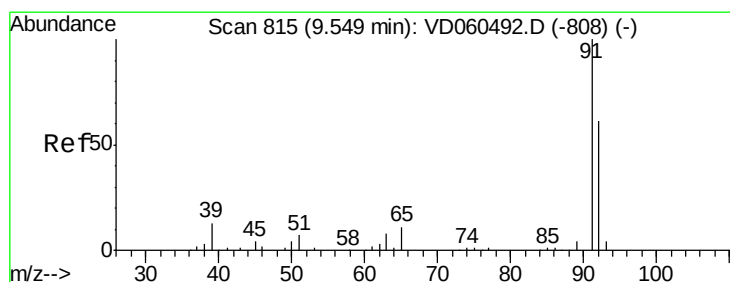
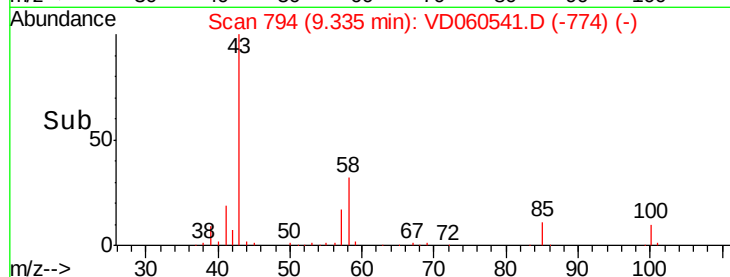
200000

100000

0

9.30 9.40

Time-->



#52

Toluene

Concen: 21.857 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060541.D

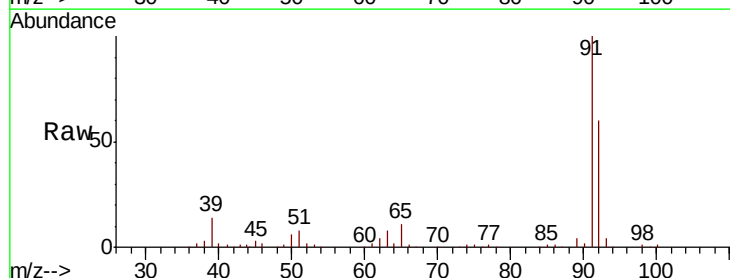
Acq: 12 Dec 2018 12:28

Tgt Ion: 92 Resp: 742792

Ion Ratio Lower Upper

92 100

91 165.5 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

300000

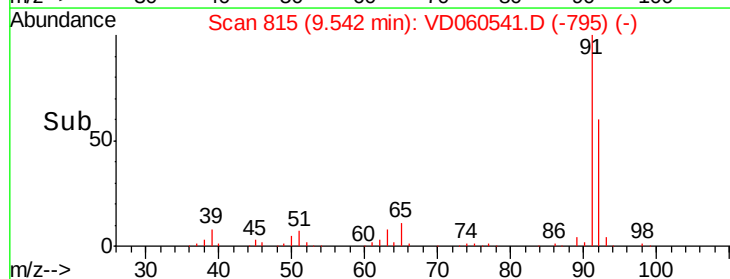
200000

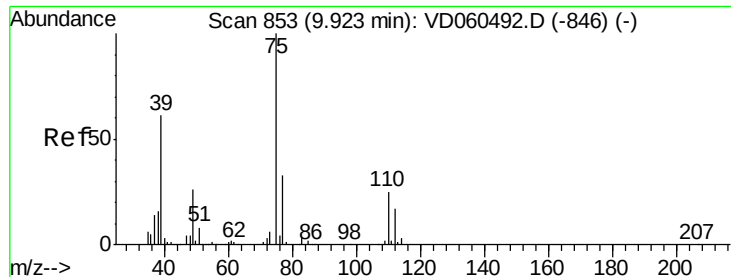
100000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.094 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

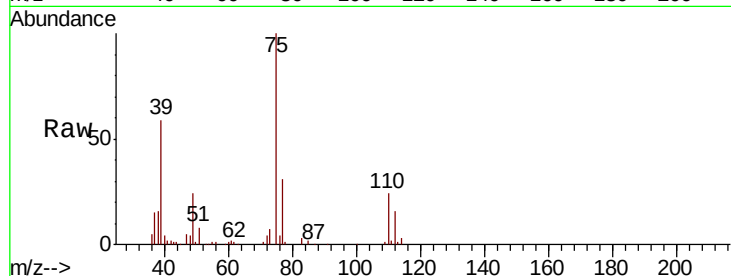
VD1212SBS01

Tot Ion: 75 Resp: 304384

Ion Ratio Lower Upper

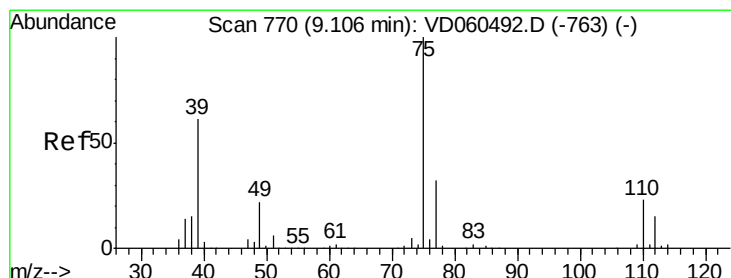
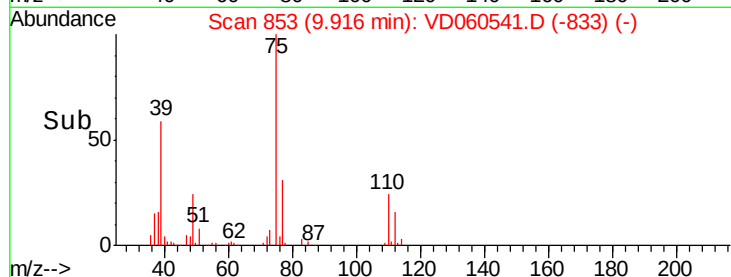
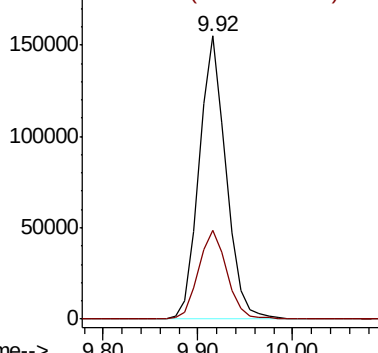
75 100

77 31.4 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.771 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

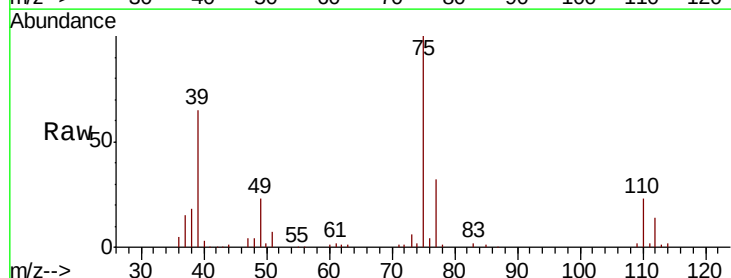
Tgt Ion: 75 Resp: 413393

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4

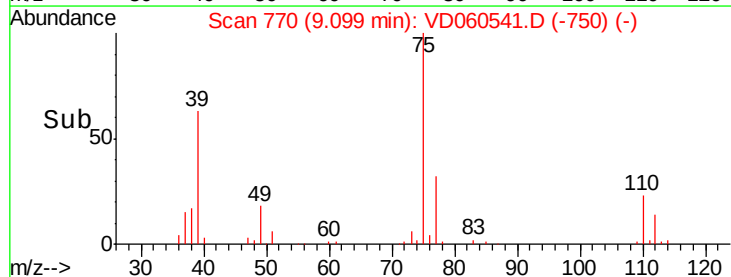
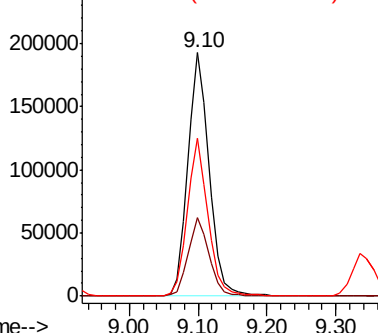
39 65.0 48.6 73.0

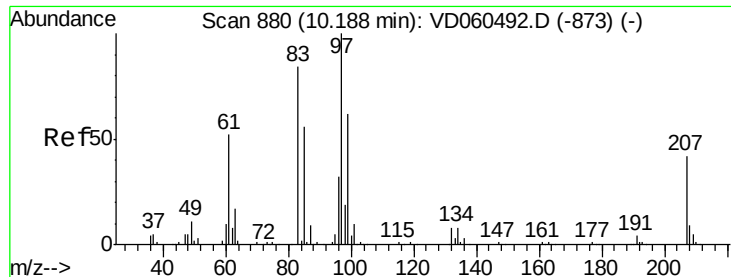


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

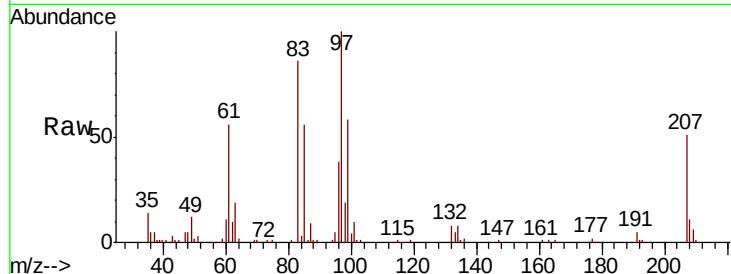




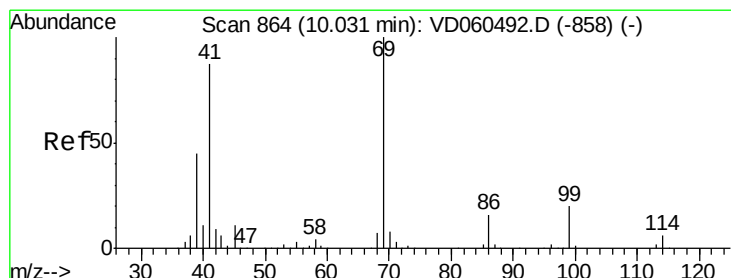
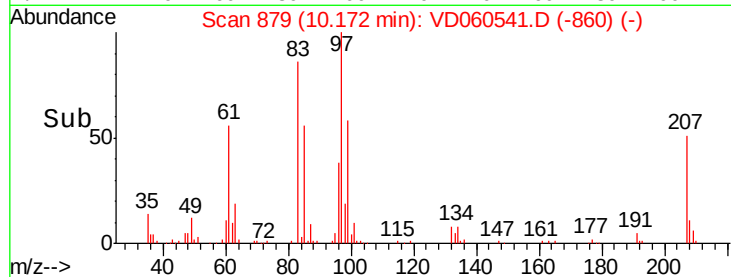
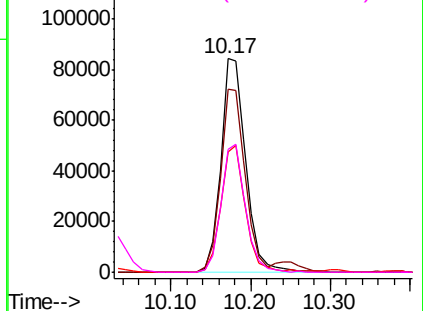
#55
 1,1,2-Trichloroethane
 Concen: 19.614 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion:	97	Resp:	185626
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.2	100.8
85	56.5	44.5	66.7
99	57.6	49.3	73.9

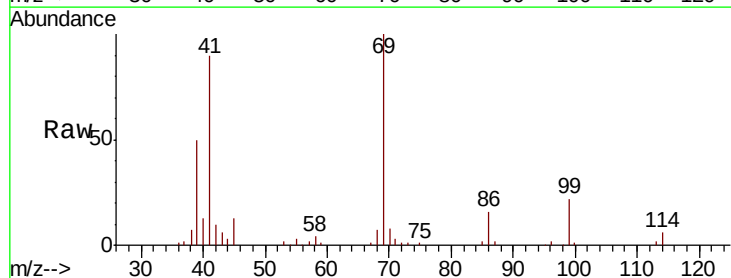


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

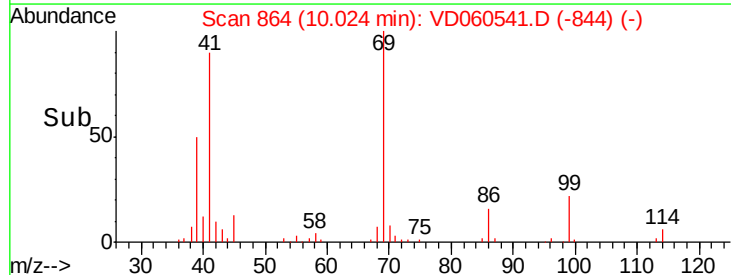
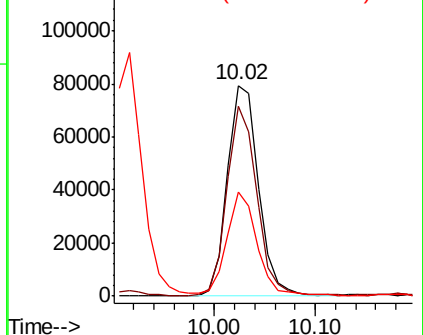


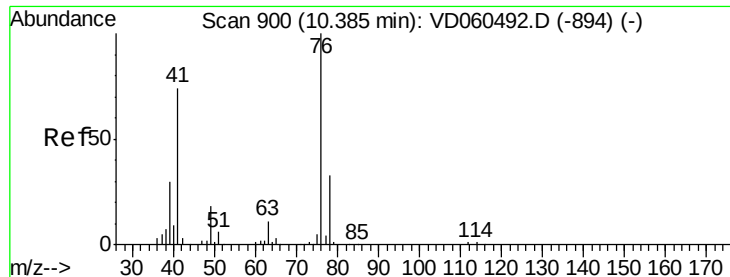
#56
 Ethyl methacrylate
 Concen: 19.877 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion:	69	Resp:	170247
Ion	Ratio	Lower	Upper
69	100		
41	90.3	69.8	104.8
39	49.5	37.5	56.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

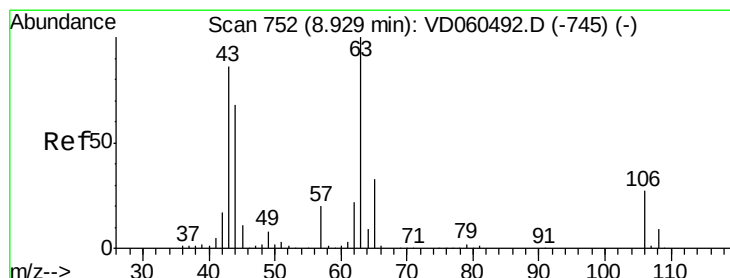
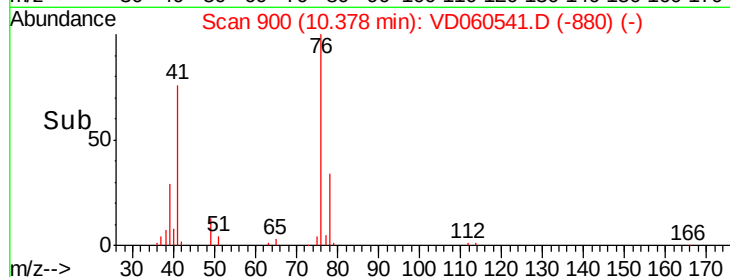
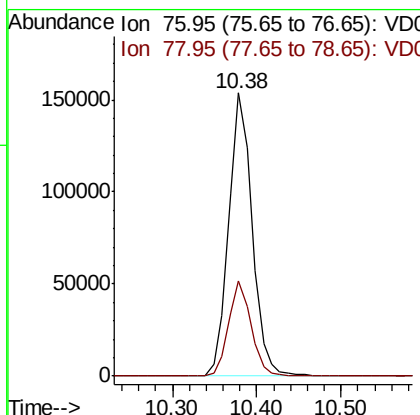
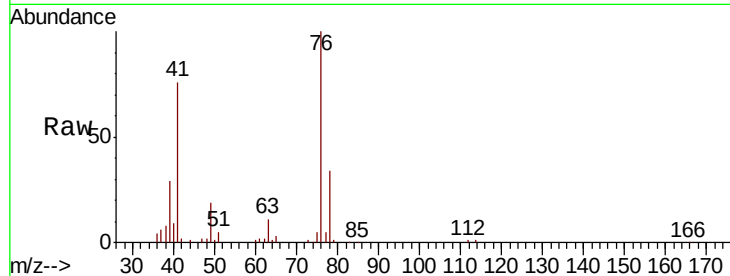




#57
 1,3-Dichloropropane
 Concen: 20.357 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

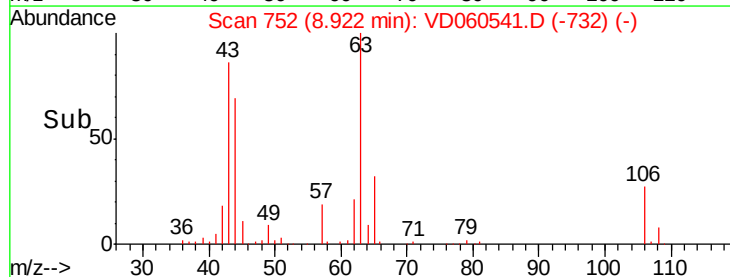
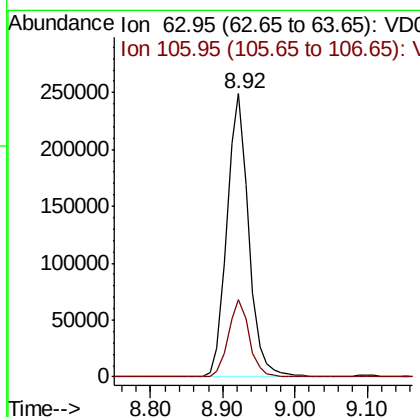
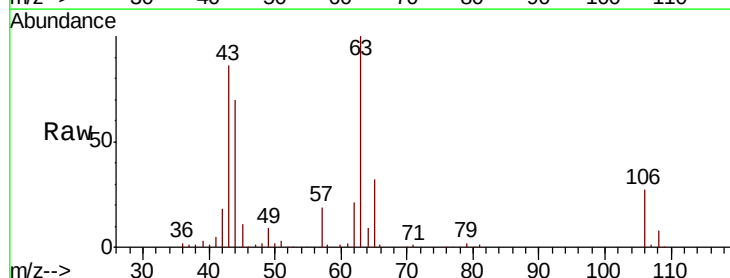
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

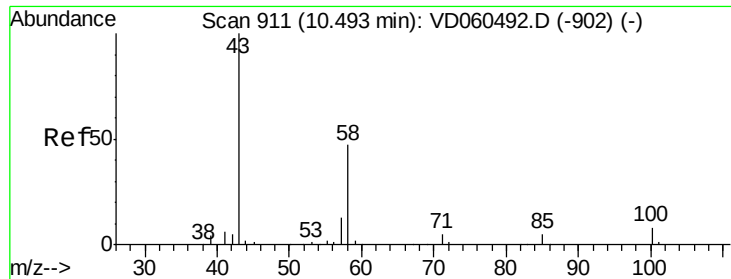
Tot Ion: 76 Resp: 297821
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.614 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion: 63 Resp: 520746
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.6 32.4

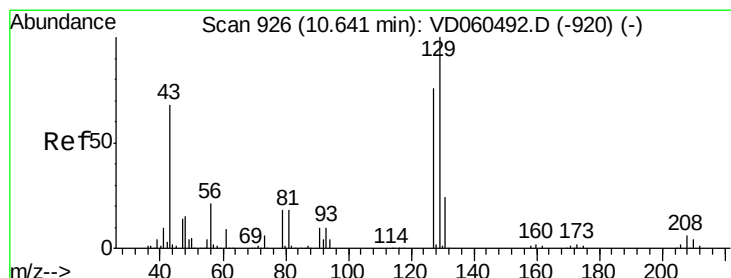
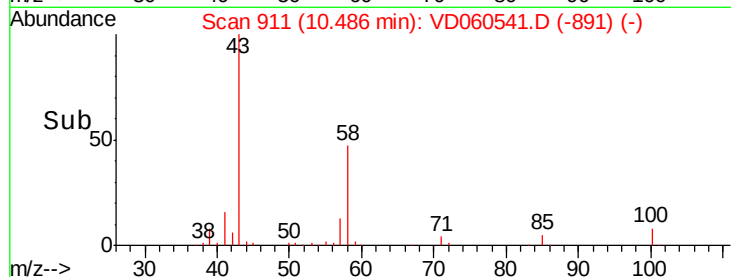
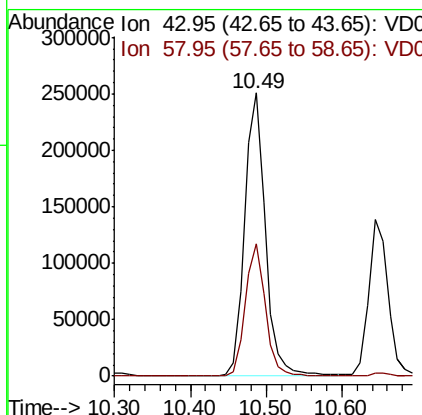
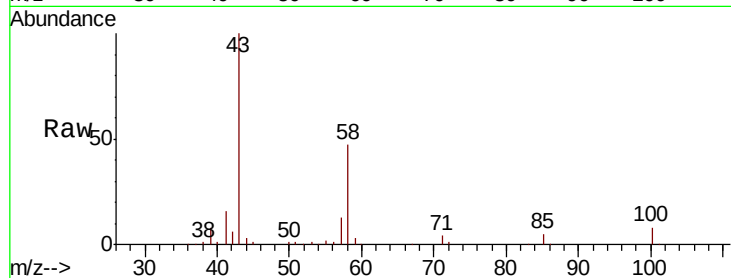




#59
2-Hexanone
Concen: 95.763 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

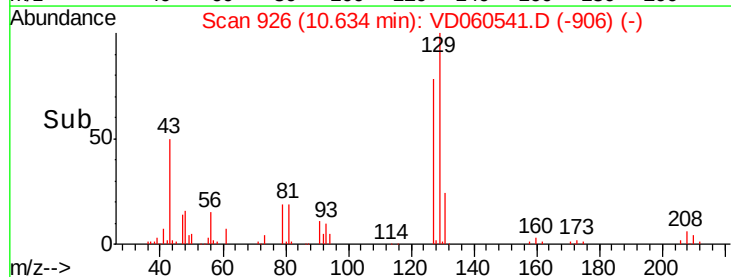
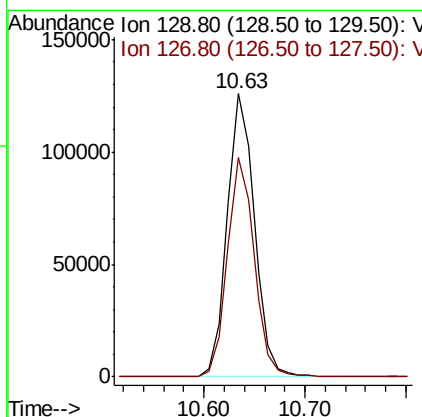
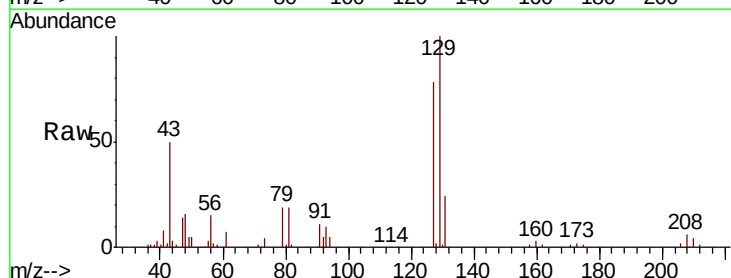
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

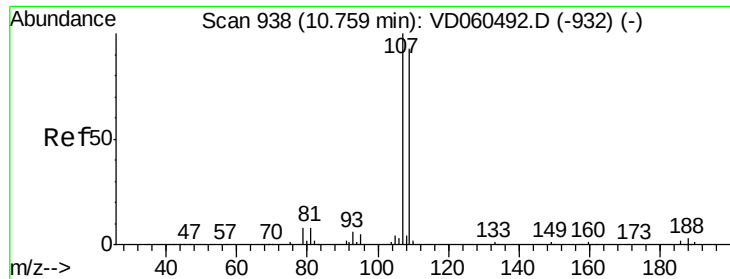
Tot Ion: 43 Resp: 474224
Ion Ratio Lower Upper
43 100
58 46.7 23.4 70.2



#60
Dibromochloromethane
Concen: 19.977 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion:129 Resp: 236371
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.685 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

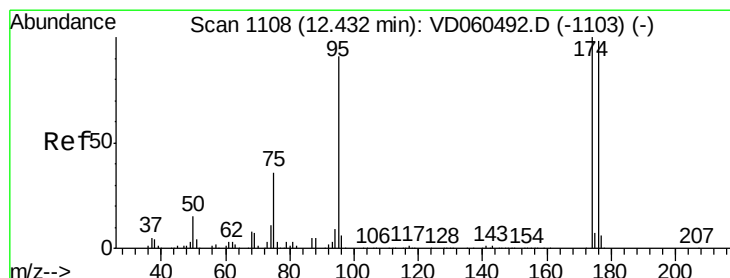
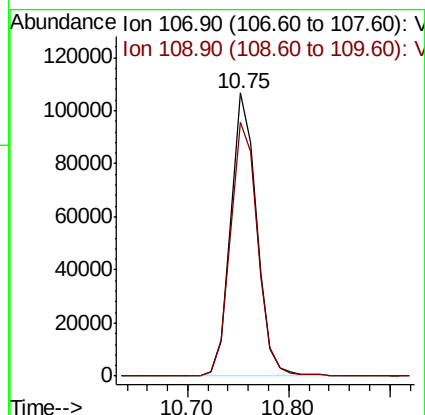
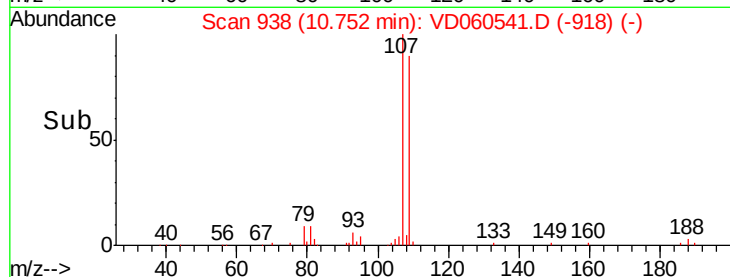
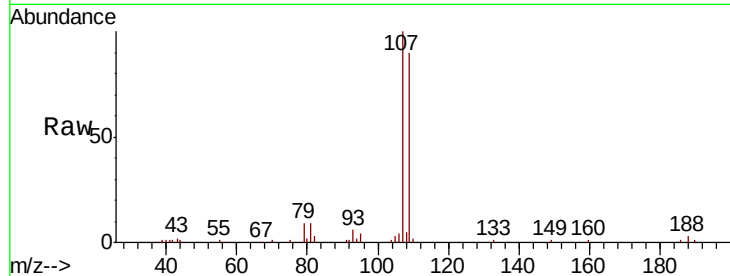
VD1212SBS01

Tot Ion:107 Resp: 189855

Ion Ratio Lower Upper

107 100

109 89.6 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 19.685 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

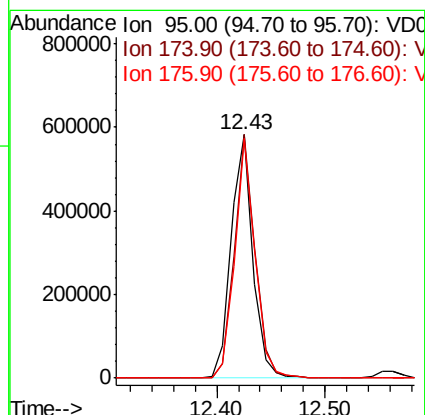
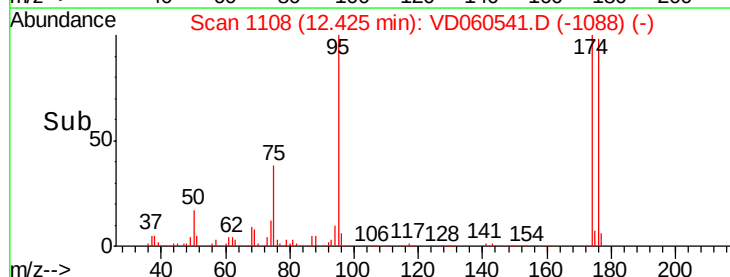
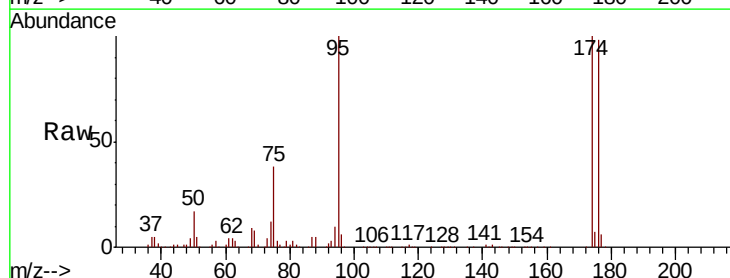
Tgt Ion: 95 Resp: 815328

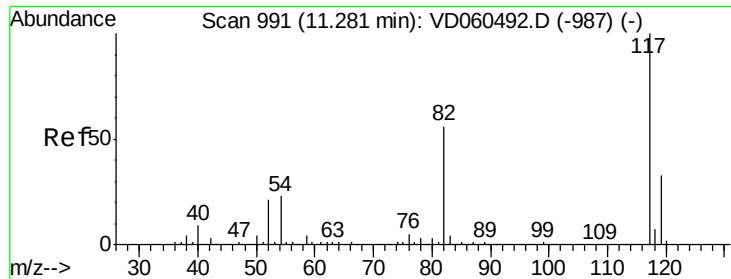
Ion Ratio Lower Upper

95 100

174 99.8 0.0 219.4

176 98.4 0.0 214.6

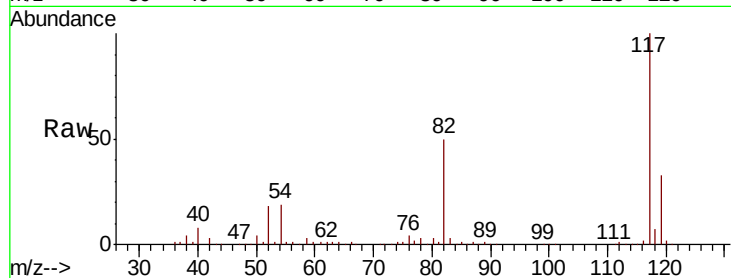




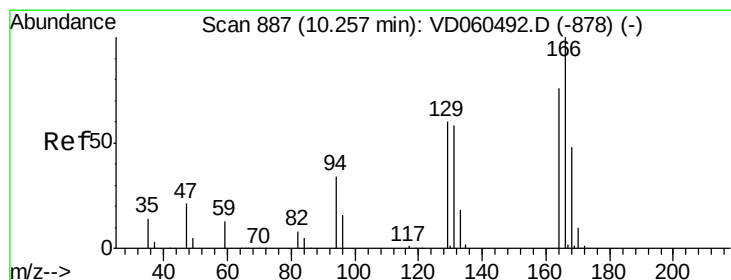
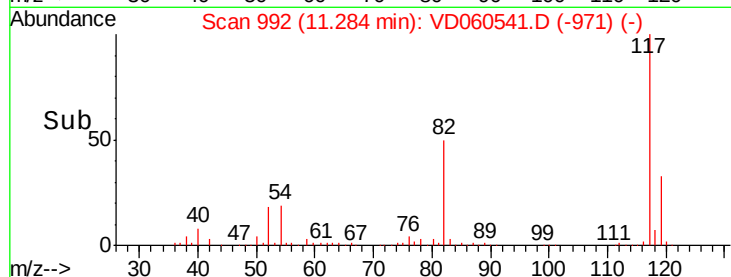
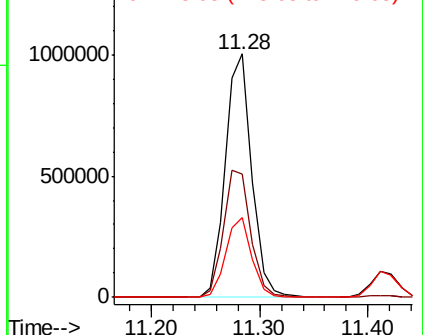
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

Tot Ion:117 Resp: 1706242
Ion Ratio Lower Upper
117 100
82 50.4 45.2 67.8
119 32.5 26.1 39.1

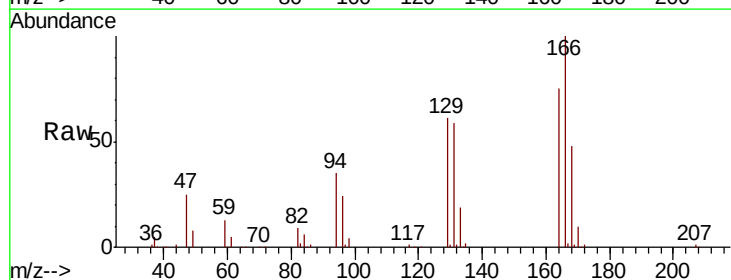


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

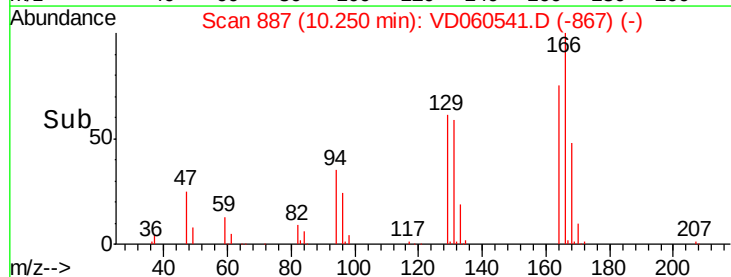
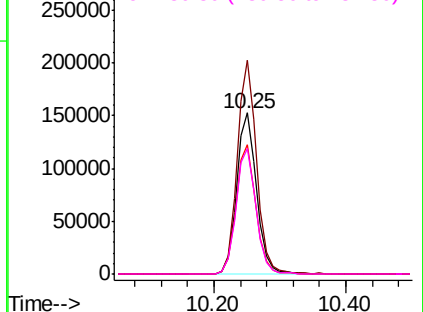


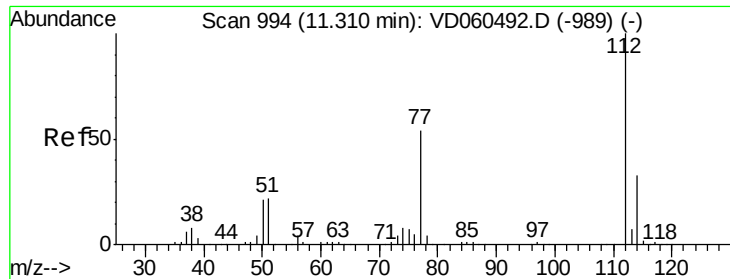
#64
Tetrachloroethene
Concen: 21.293 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion:164 Resp: 321705
Ion Ratio Lower Upper
164 100
166 132.6 105.0 157.6
129 80.3 63.0 94.4
131 77.9 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

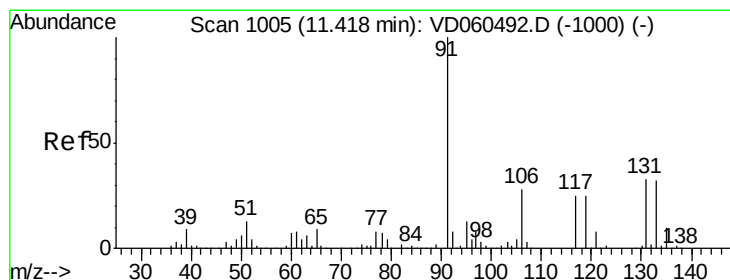
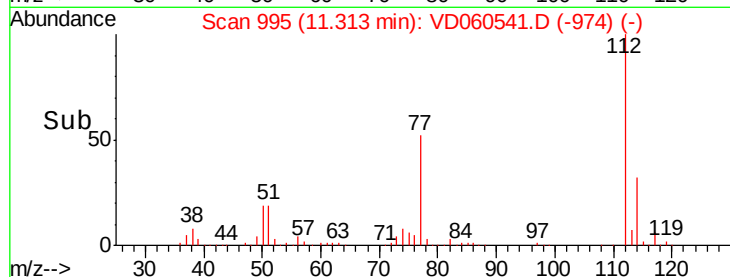
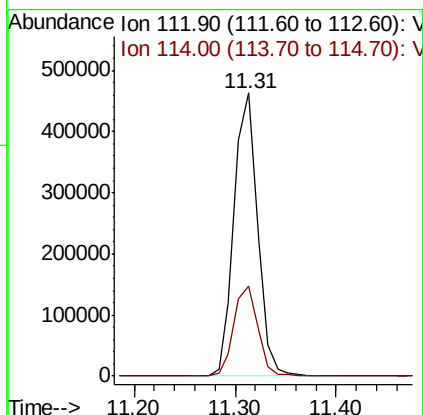
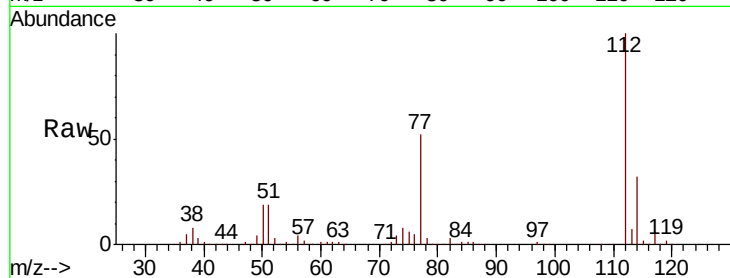




#65
Chlorobenzene
Concen: 20.896 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

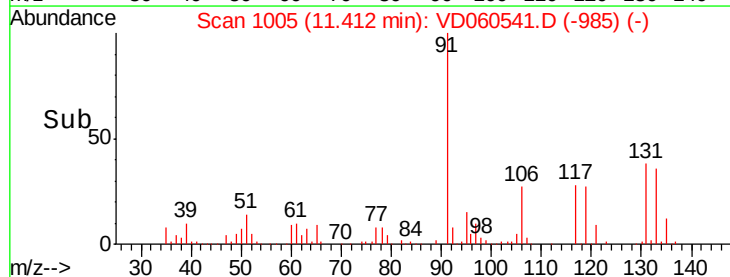
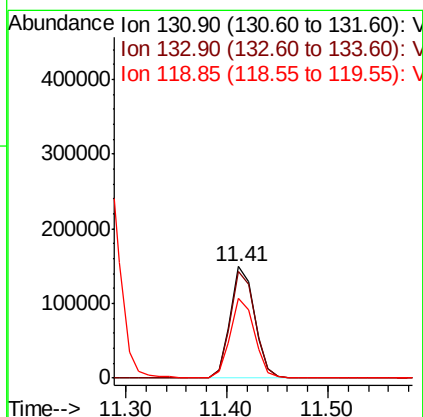
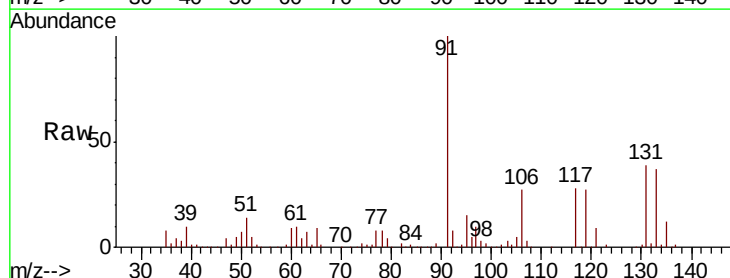
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

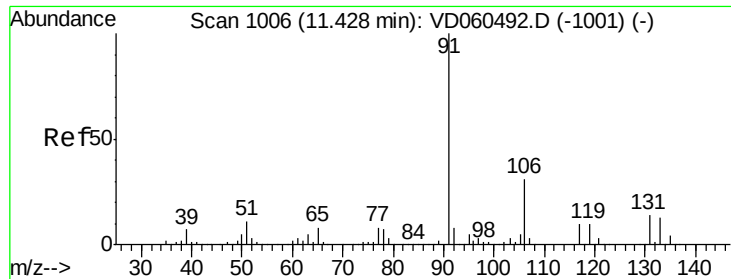
Tot Ion:112 Resp: 754275
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.637 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion:131 Resp: 251732
Ion Ratio Lower Upper
131 100
133 95.8 49.1 147.3
119 70.9 37.5 112.3

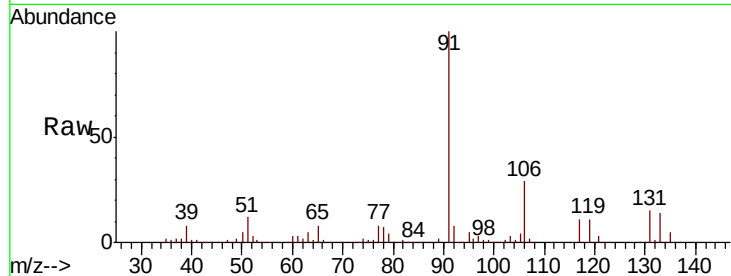




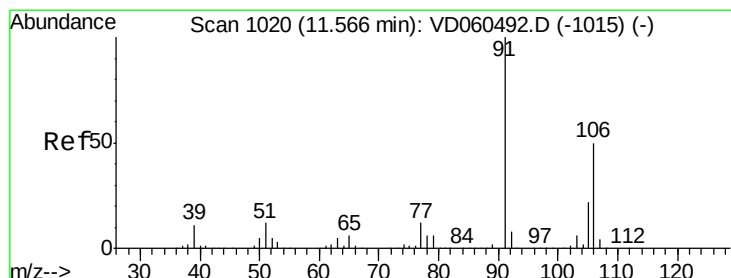
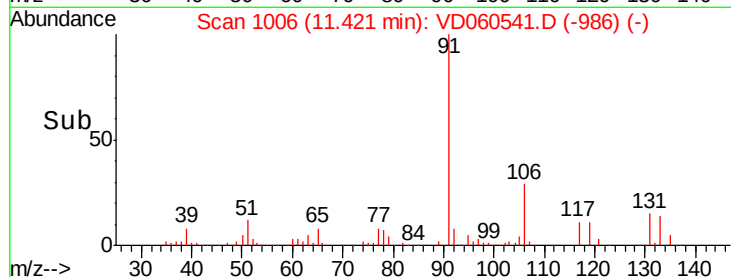
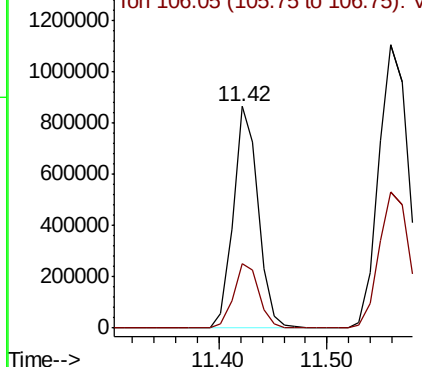
#67
Ethyl Benzene
Concen: 22.487 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

Tot Ion: 91 Resp: 1384500
Ion Ratio Lower Upper
91 100
106 28.9 24.6 37.0

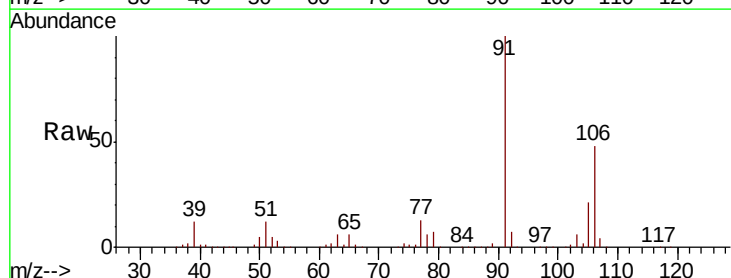


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

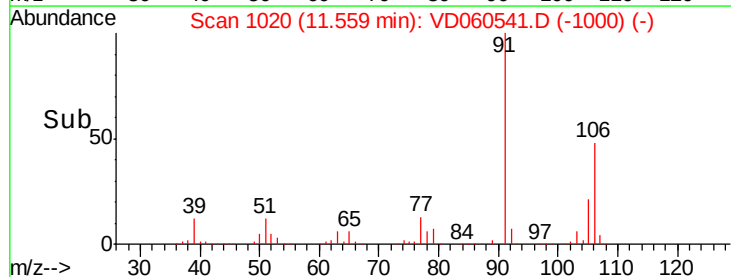
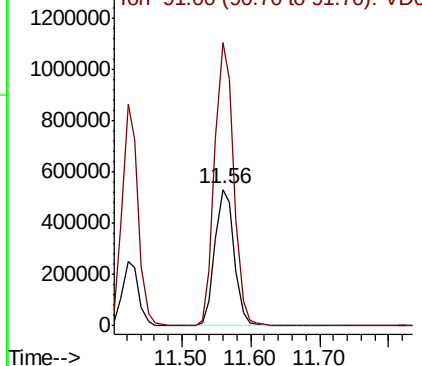


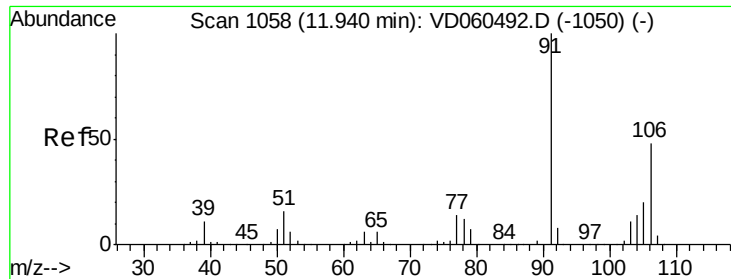
#68
m/p-Xylenes
Concen: 45.306 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 106 Resp: 1031993
Ion Ratio Lower Upper
106 100
91 207.1 160.5 240.7



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

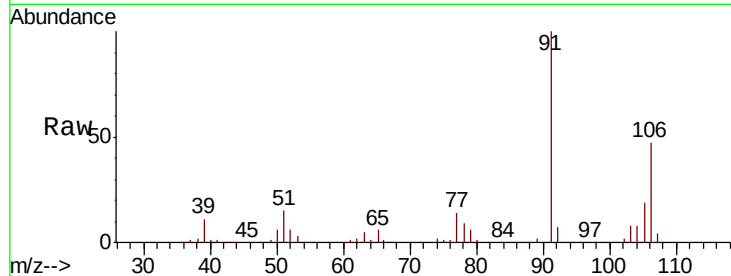




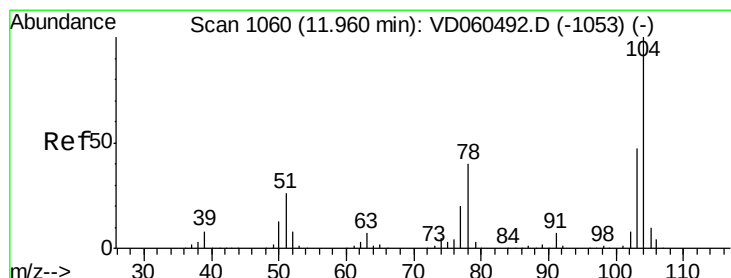
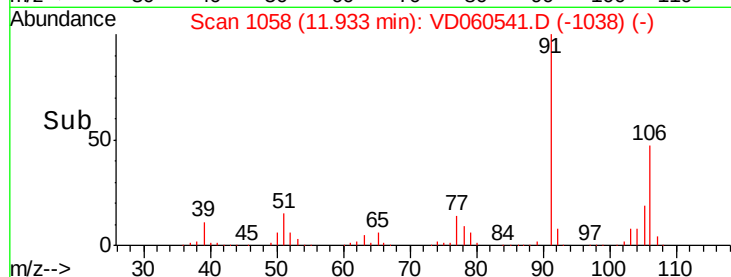
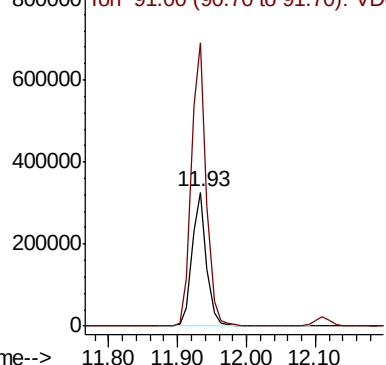
#69
o-Xylene
Concen: 21.609 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

Tot Ion:106 Resp: 469091
Ion Ratio Lower Upper
106 100
91 211.6 103.4 310.1

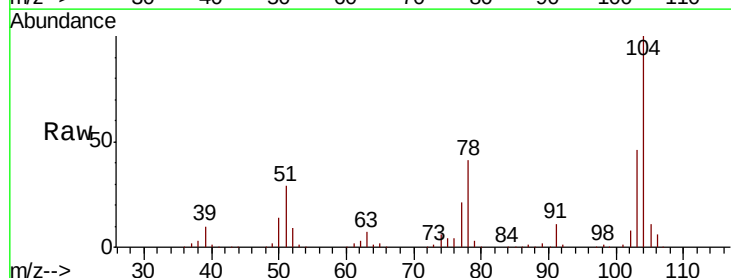


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

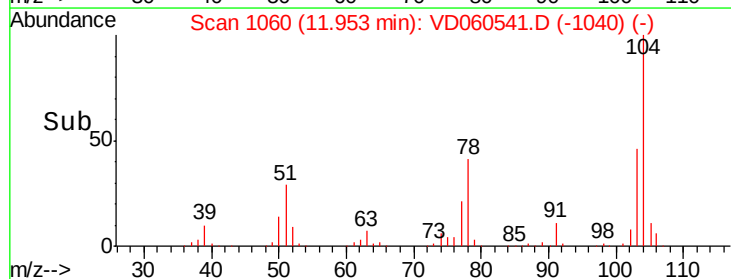
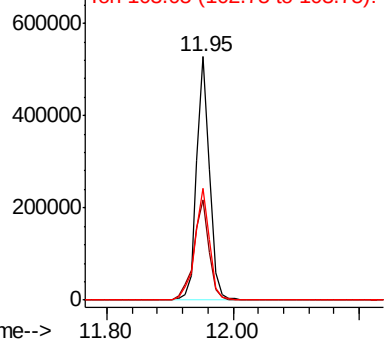


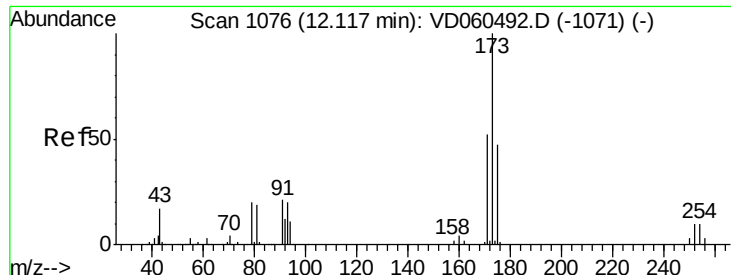
#70
Styrene
Concen: 21.512 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion:104 Resp: 749551
Ion Ratio Lower Upper
104 100
78 41.3 32.1 48.1
103 45.9 37.2 55.8



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





#71

Bromoform

Concen: 19.019 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

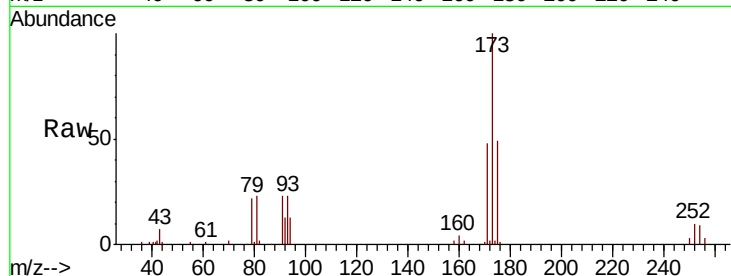
Tot Ion:173 Resp: 147630

Ion Ratio Lower Upper

173 100

175 49.5 23.5 70.6

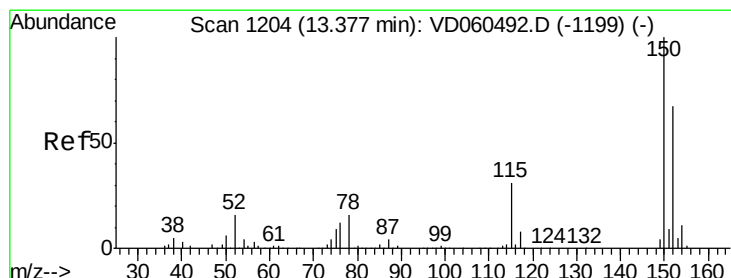
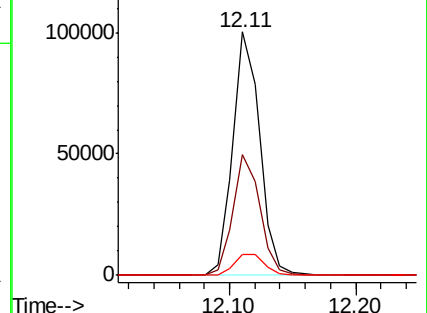
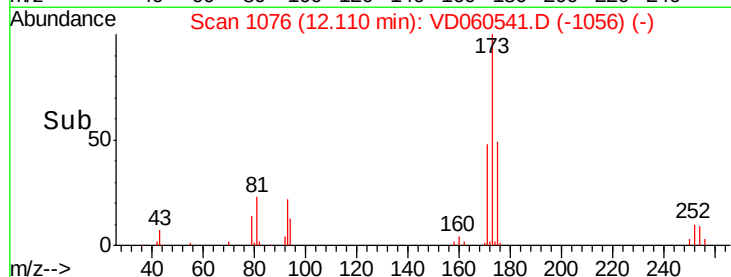
254 8.8 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

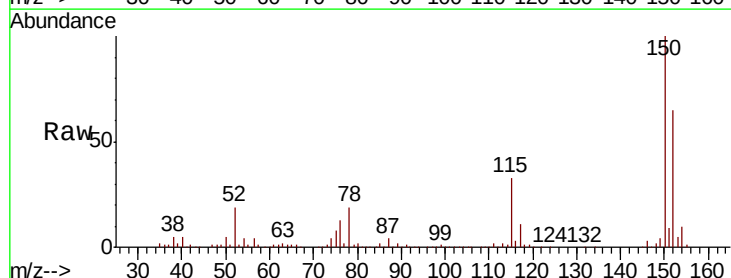
Tgt Ion:152 Resp: 858260

Ion Ratio Lower Upper

152 100

115 51.1 24.6 74.0

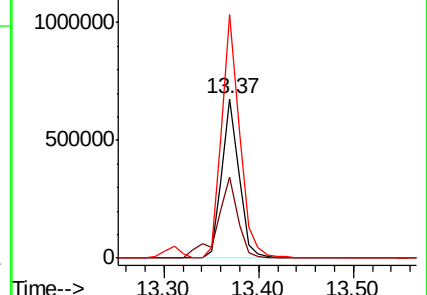
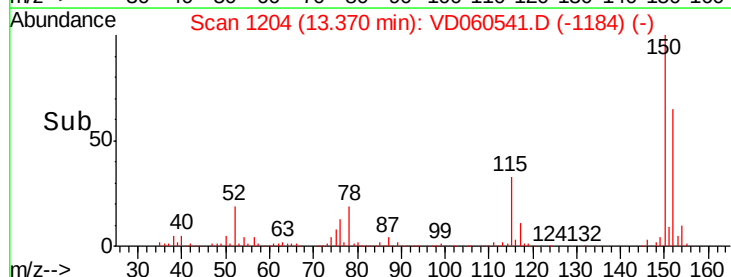
150 152.7 0.0 309.0

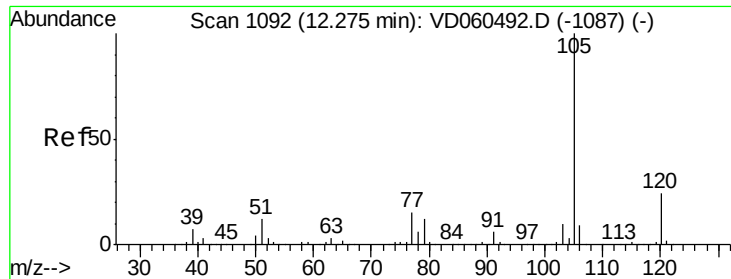


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.890 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

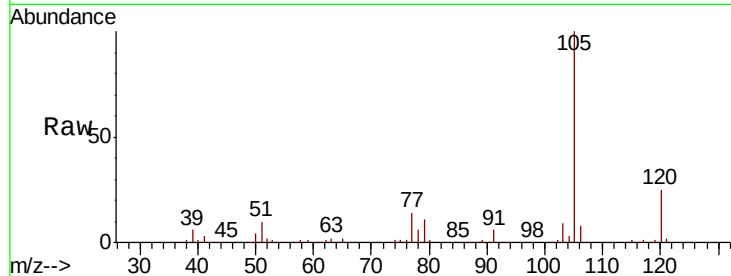
VD1212SBS01

Tot Ion:105 Resp: 1329434

Ion Ratio Lower Upper

105 100

120 24.9 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

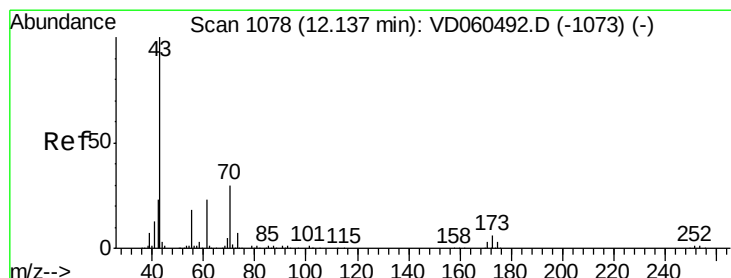
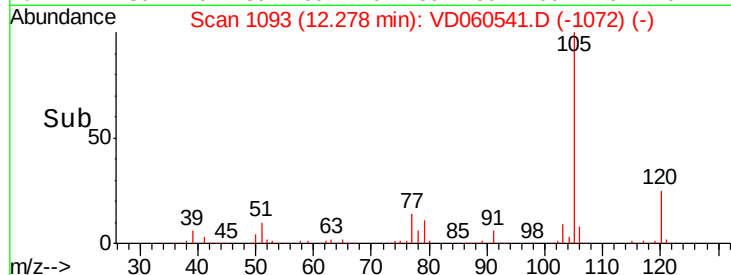
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.237 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Tgt Ion: 43 Resp: 282371

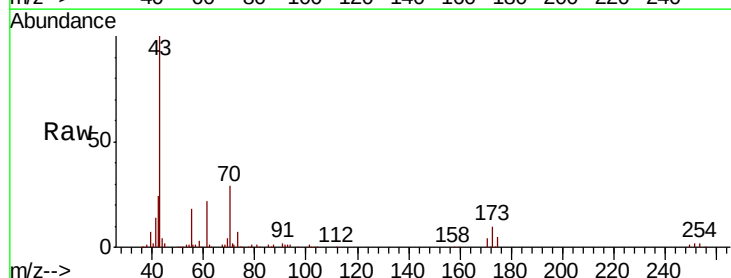
Ion Ratio Lower Upper

43 100

70 29.0 23.8 35.8

55 17.9 14.2 21.2

61 22.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

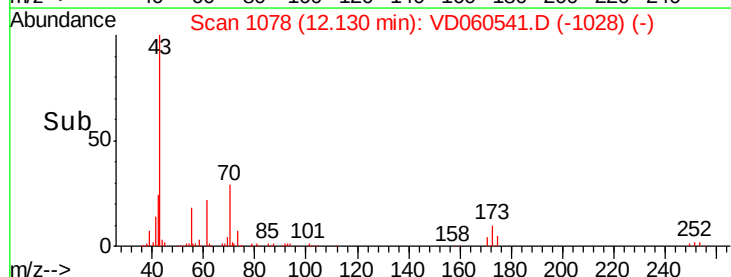
200000

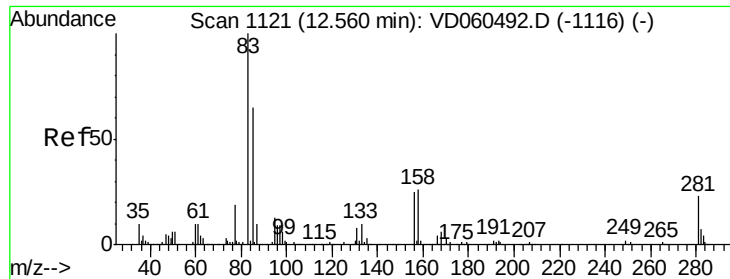
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.379 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

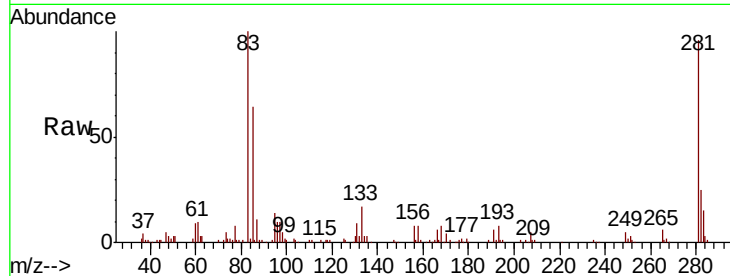
Tot Ion: 83 Resp: 188425

Ion Ratio Lower Upper

83 100

131 9.5 3.8 11.4

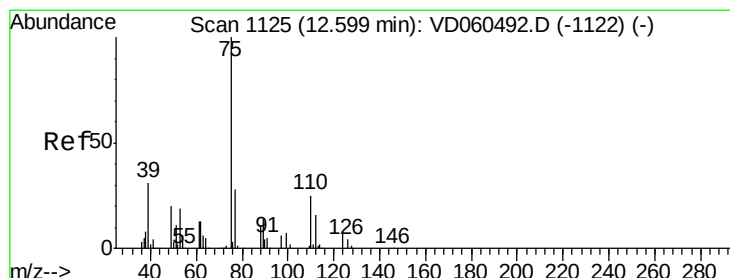
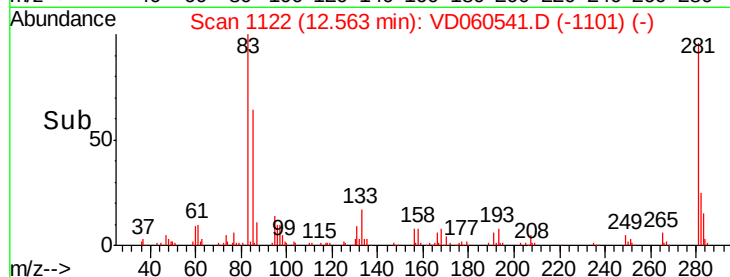
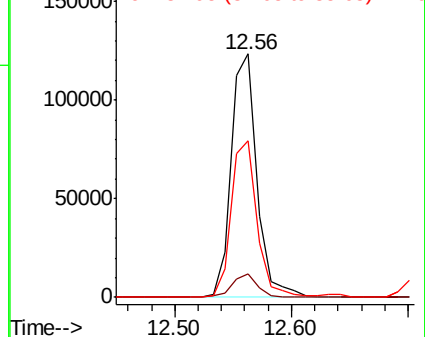
85 64.1 32.3 96.9



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: 20.003 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060541.D

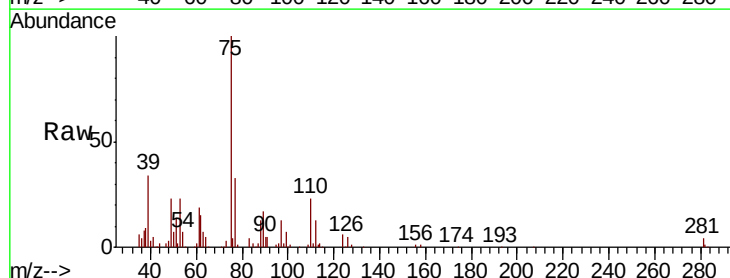
Acq: 12 Dec 2018 12:28

Tgt Ion: 75 Resp: 194526

Ion Ratio Lower Upper

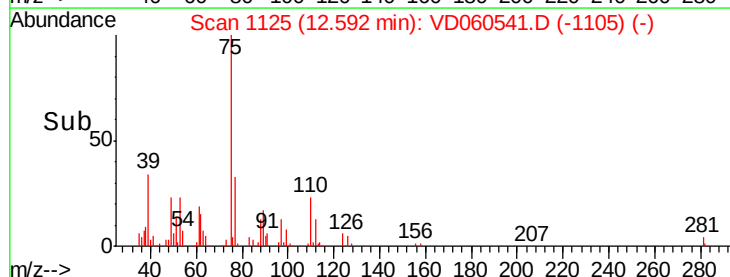
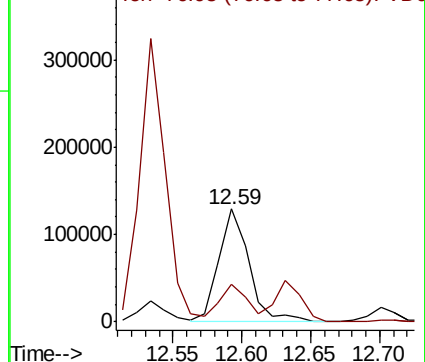
75 100

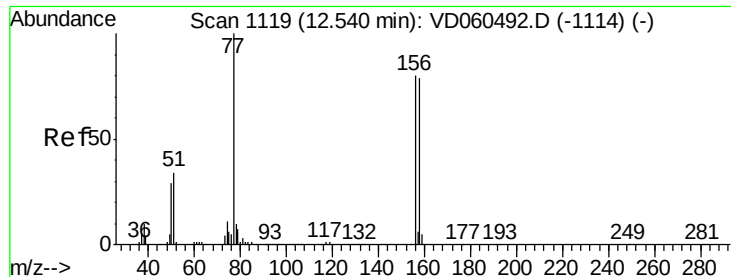
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.720 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

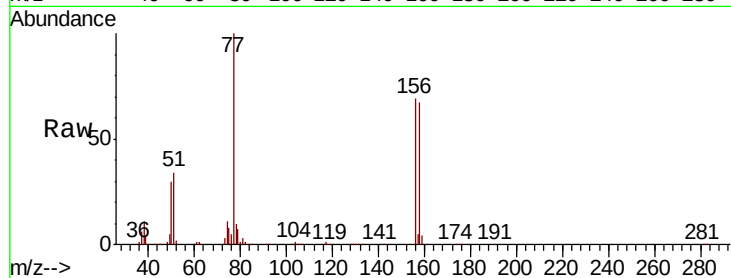
Tot Ion:156 Resp: 330778

Ion Ratio Lower Upper

156 100

77 144.1 62.5 187.6

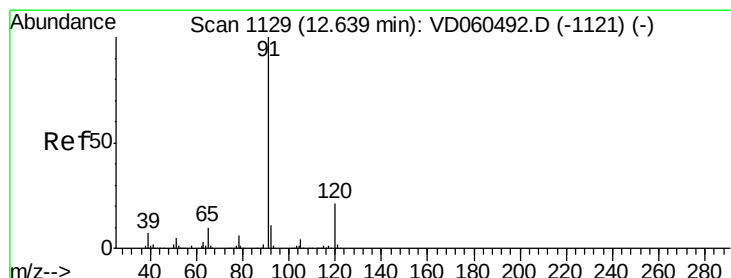
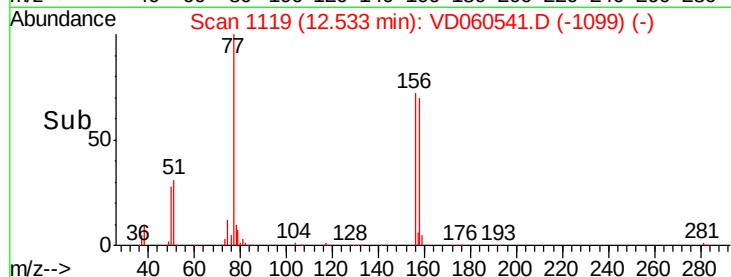
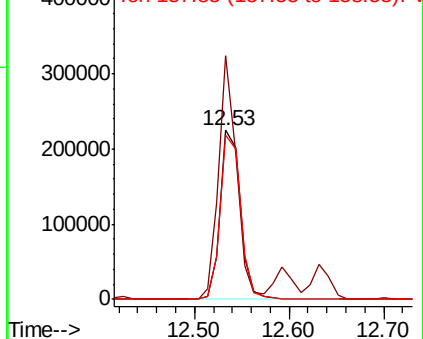
158 97.1 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.070 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060541.D

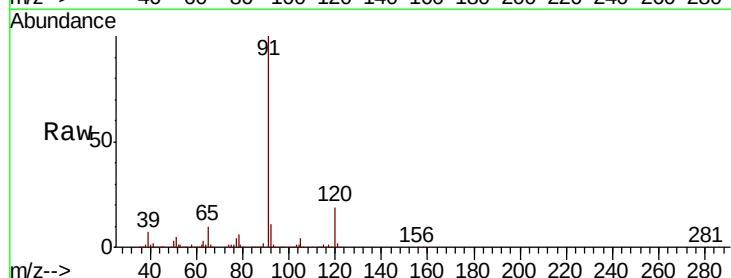
Acq: 12 Dec 2018 12:28

Tgt Ion: 91 Resp: 1694405

Ion Ratio Lower Upper

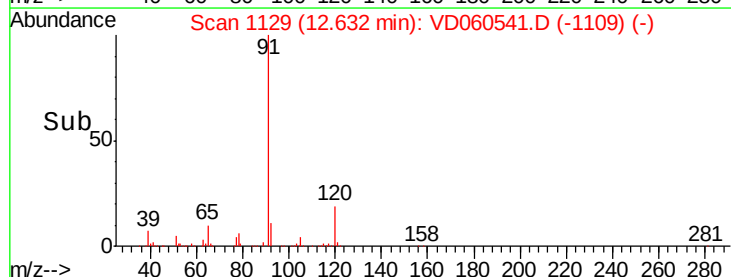
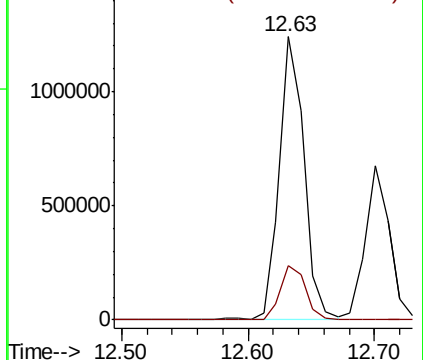
91 100

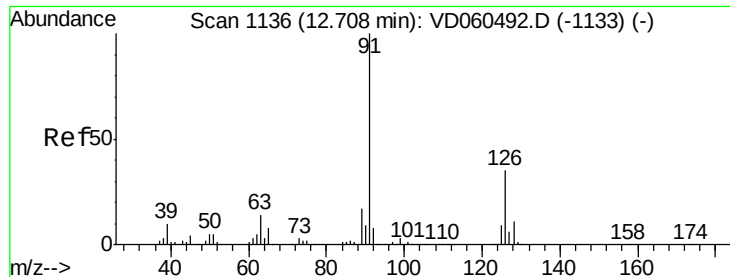
120 19.0 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.557 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

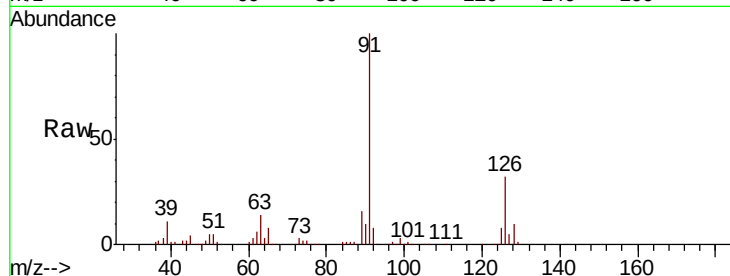
VD1212SBS01

Tot Ion: 91 Resp: 898063

Ion Ratio Lower Upper

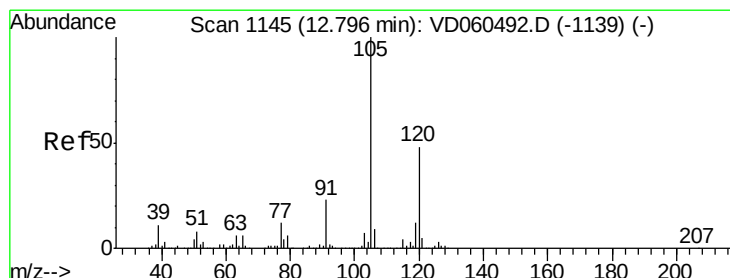
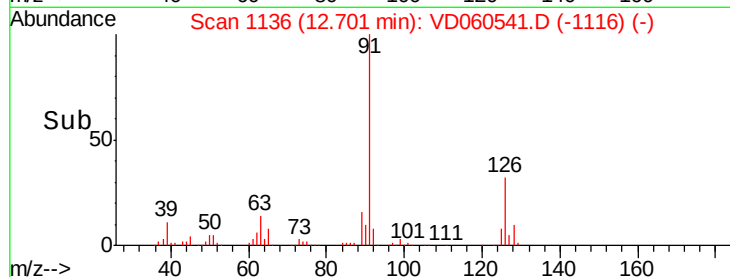
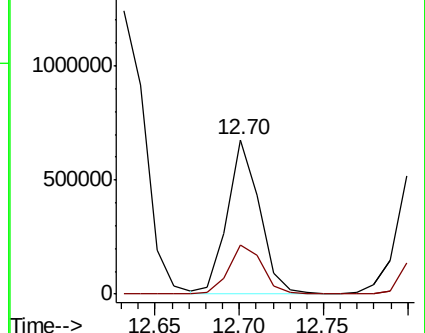
91 100

126 31.9 17.3 52.0



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: 22.325 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060541.D

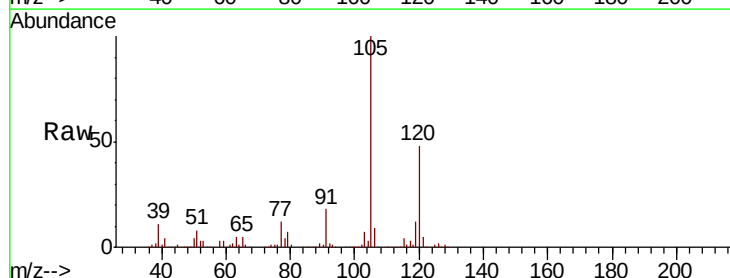
Acq: 12 Dec 2018 12:28

Tgt Ion:105 Resp: 1036037

Ion Ratio Lower Upper

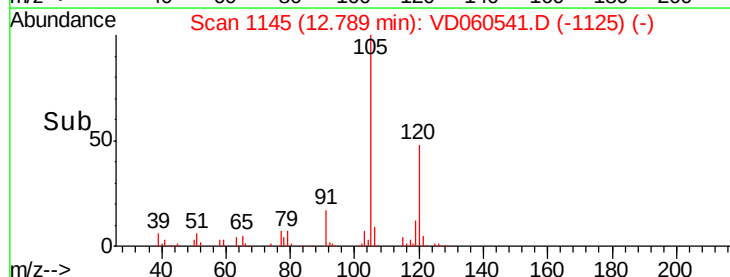
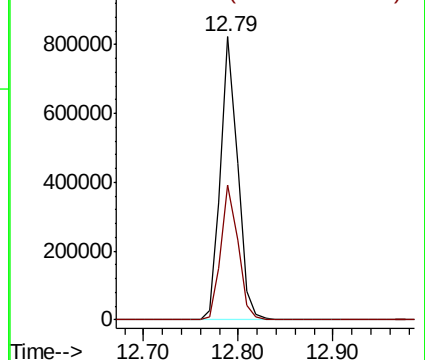
105 100

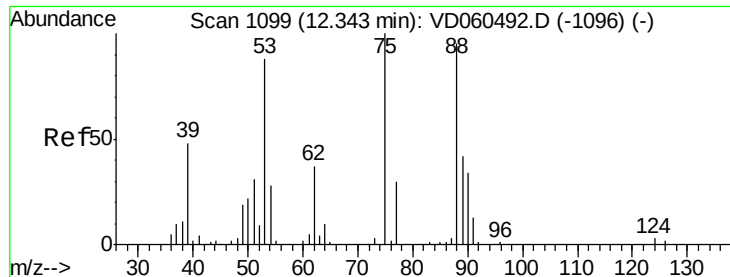
120 47.6 24.2 72.6



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: 19.674 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

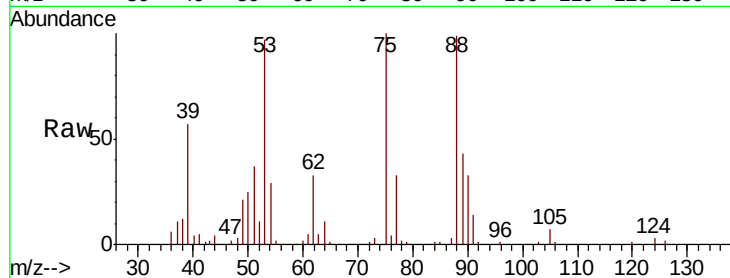
Tot Ion: 75 Resp: 53360

Ion Ratio Lower Upper

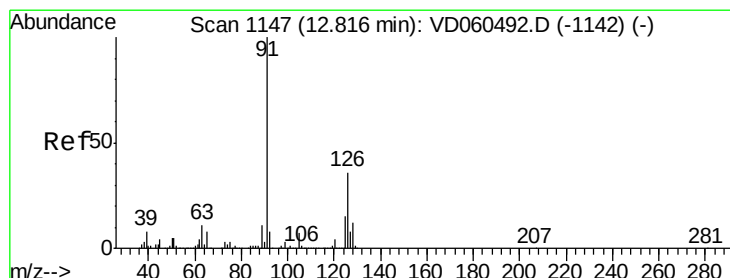
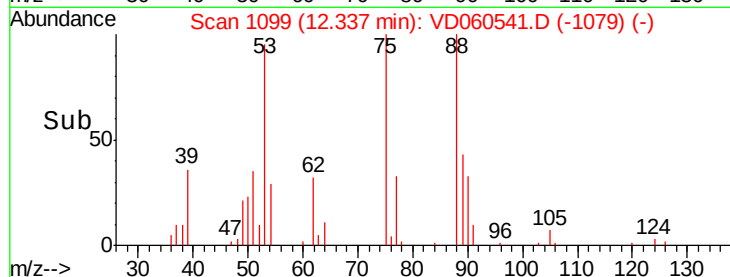
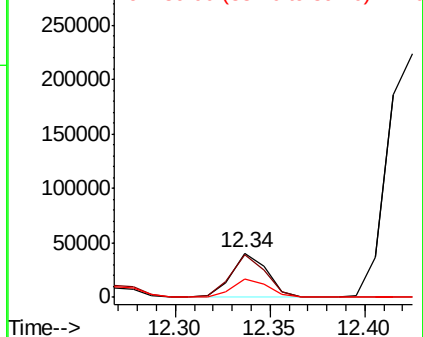
75 100

53 97.3 70.5 105.7

89 42.8 33.6 50.4



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: 21.796 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060541.D

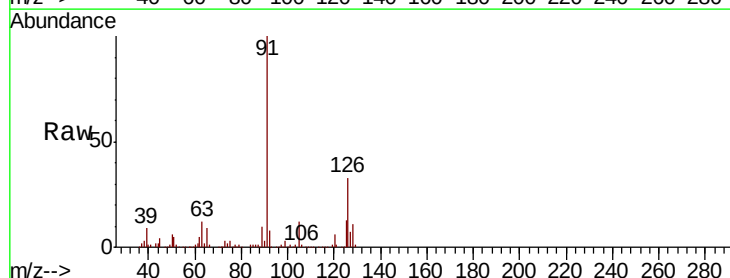
Acq: 12 Dec 2018 12:28

Tgt Ion: 91 Resp: 1019851

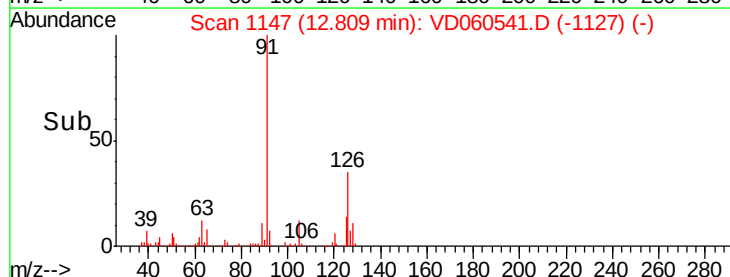
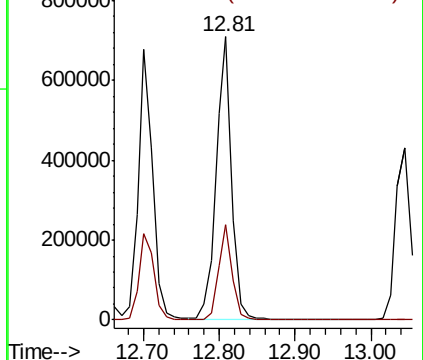
Ion Ratio Lower Upper

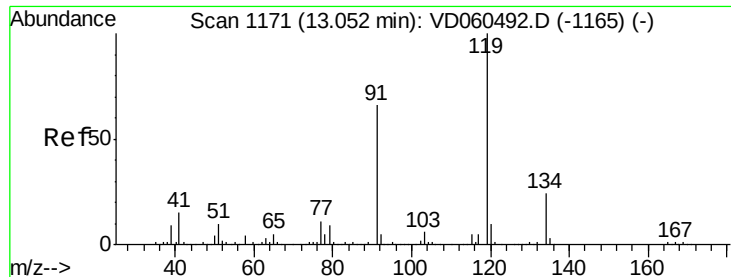
91 100

126 33.4 17.8 53.4



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

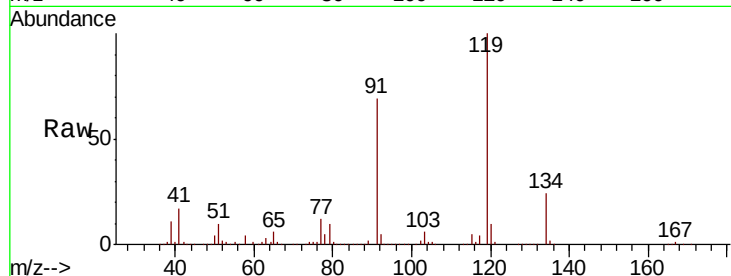




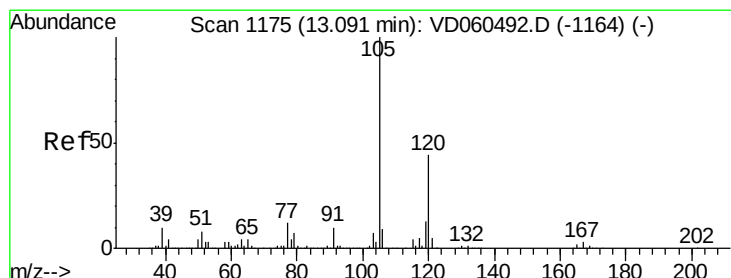
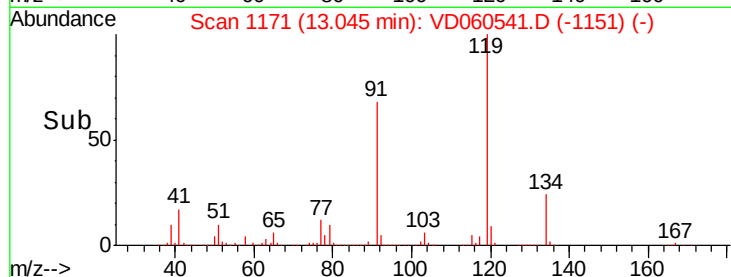
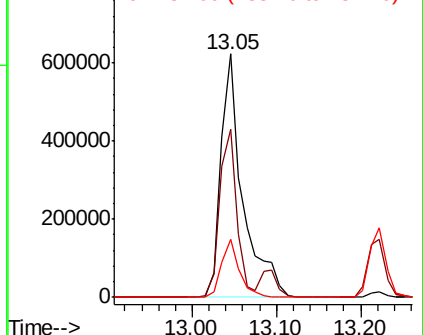
#83
 tert-Butylbenzene
 Concen: 21.731 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion:119 Resp: 1130745
 Ion Ratio Lower Upper
 119 100
 91 69.0 33.1 99.2
 134 23.6 12.0 36.0

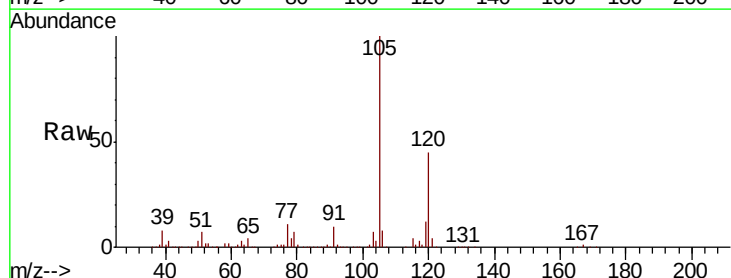


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

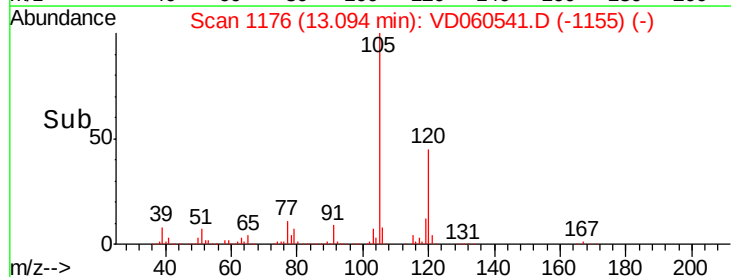
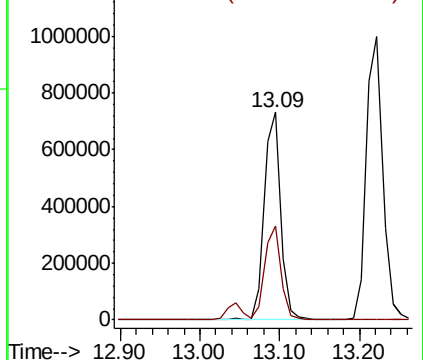


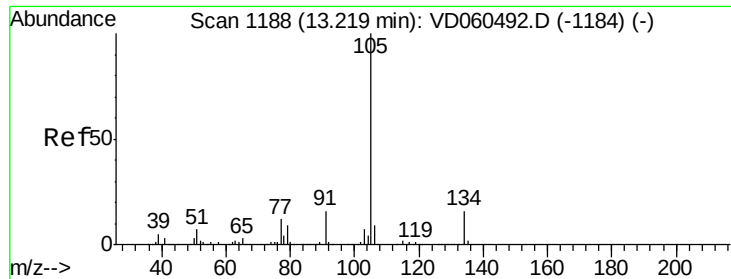
#84
 1,2,4-Trimethylbenzene
 Concen: 21.507 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion:105 Resp: 1033463
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

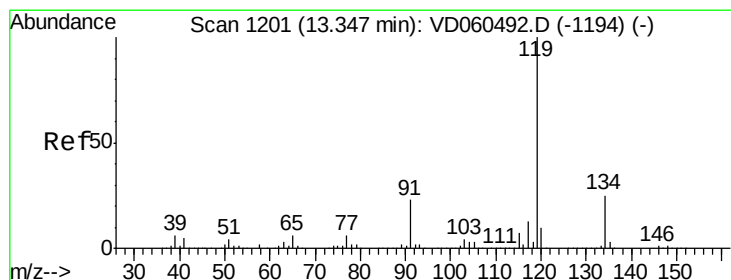
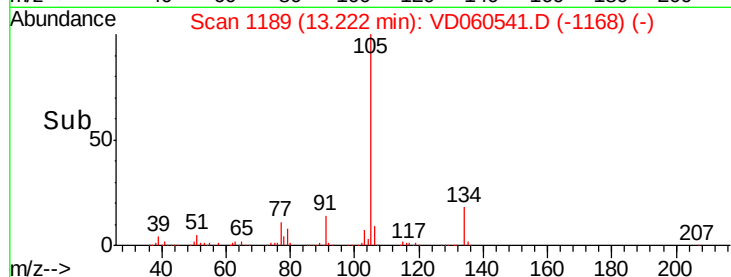
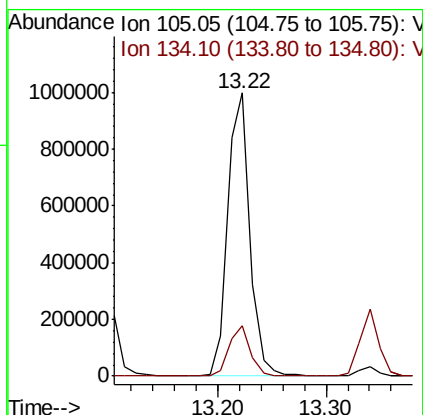
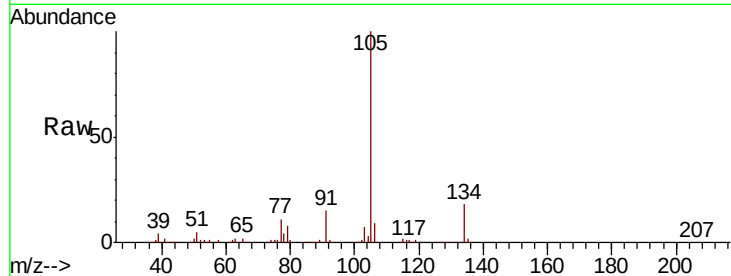




#85
 sec-Butylbenzene
 Concen: 21.772 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

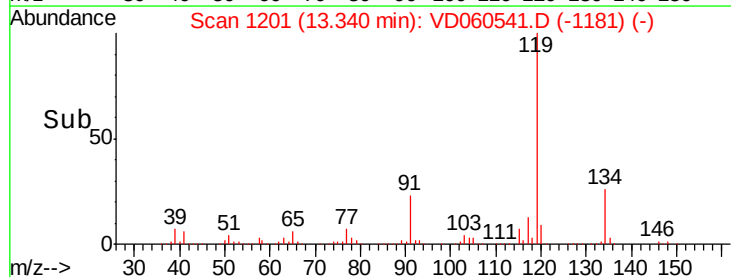
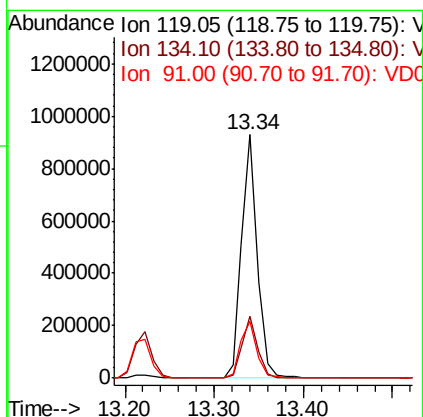
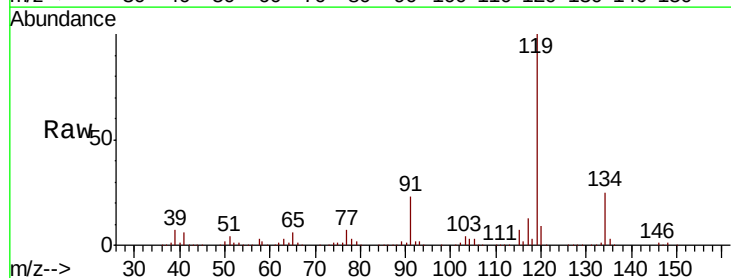
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1212SBS01

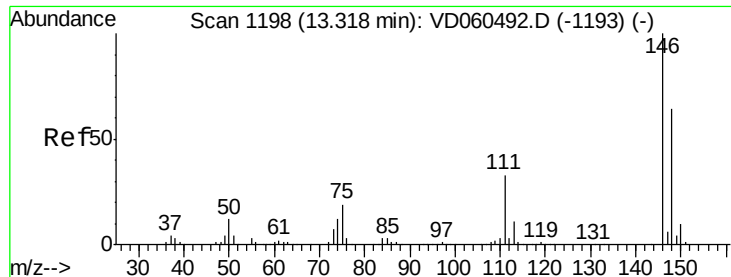
Tot Ion:105 Resp: 1412009
 Ion Ratio Lower Upper
 105 100
 134 17.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 22.166 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion:119 Resp: 1139556
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 23.1 11.5 34.4

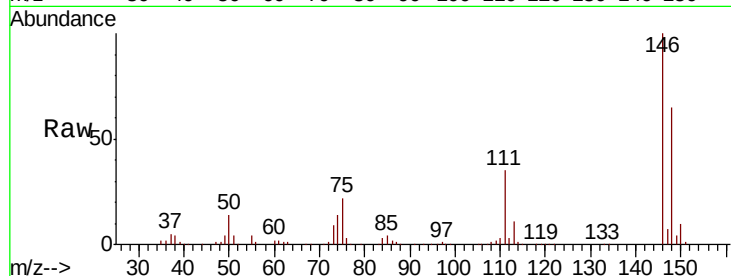




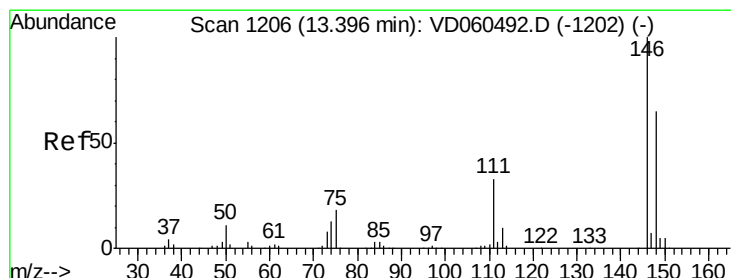
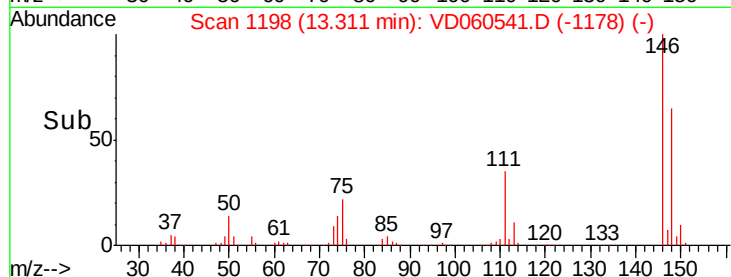
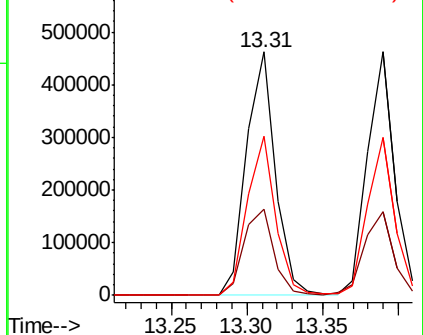
#87
 1,3-Dichlorobenzene
 Concen: 21.348 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion:146 Resp: 617058
 Ion Ratio Lower Upper
 146 100
 111 35.4 16.5 49.5
 148 65.1 32.3 96.8

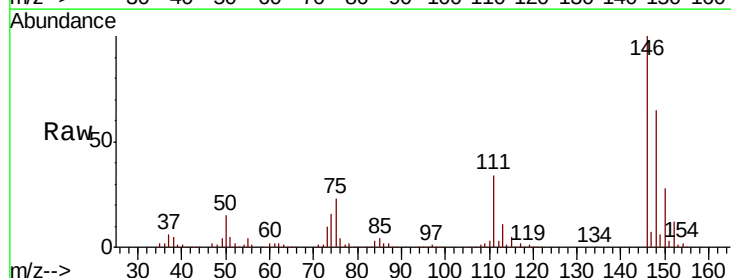


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

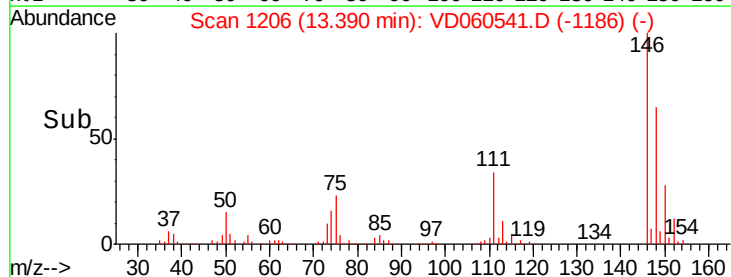
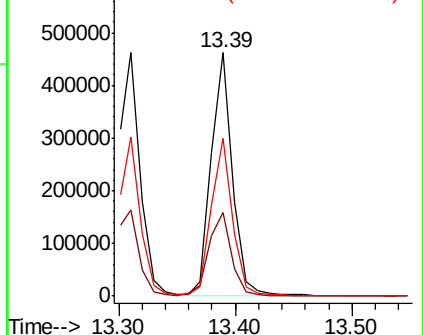


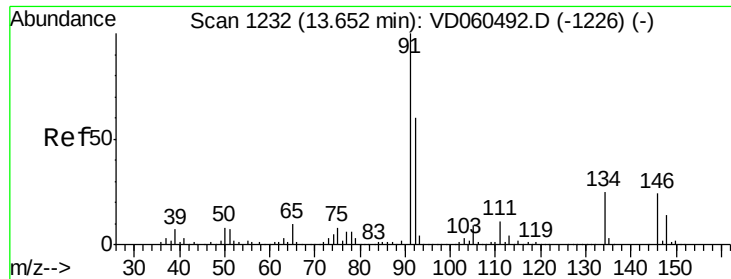
#88
 1,4-Dichlorobenzene
 Concen: 20.528 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion:146 Resp: 582100
 Ion Ratio Lower Upper
 146 100
 111 34.1 16.4 49.1
 148 64.9 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

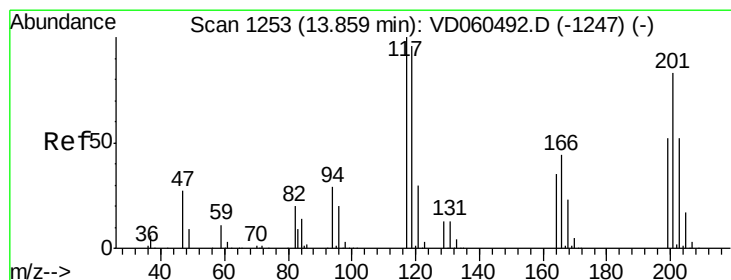
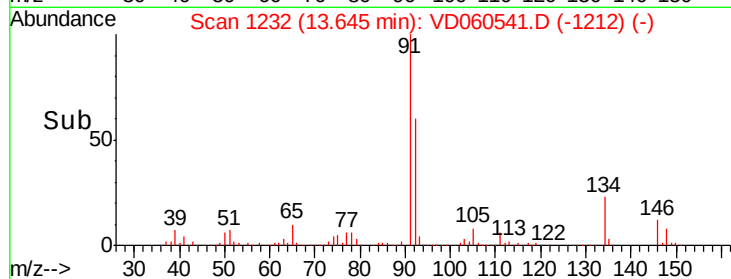
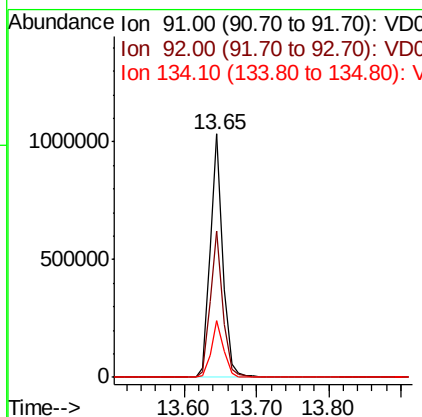
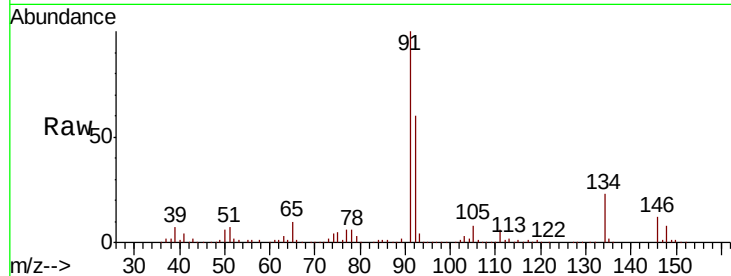




#89
n-Butylbenzene
Concen: 21.784 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

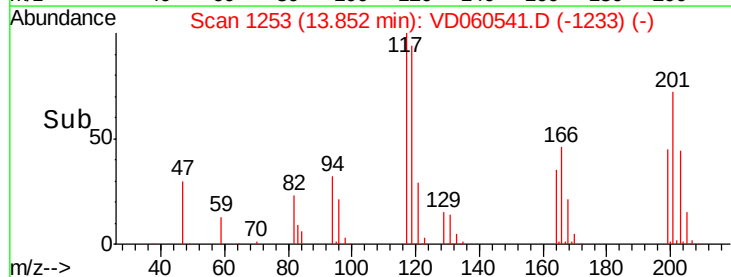
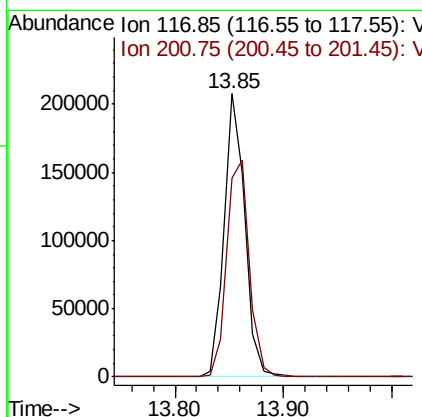
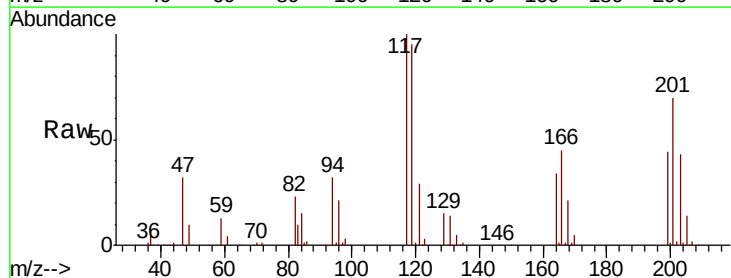
Instrument :
MSVOA_D
ClientSampleId :
VD1212SBS01

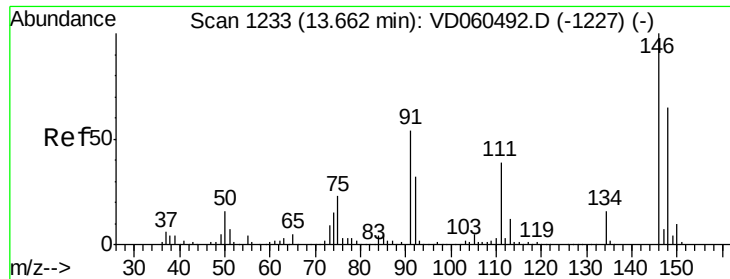
Tot Ion: 91 Resp: 1238582
Ion Ratio Lower Upper
91 100
92 59.9 30.0 90.1
134 23.4 12.5 37.5



#90
Hexachloroethane
Concen: 21.439 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060541.D
Acq: 12 Dec 2018 12:28

Tgt Ion: 117 Resp: 276349
Ion Ratio Lower Upper
117 100
201 70.3 41.3 123.9

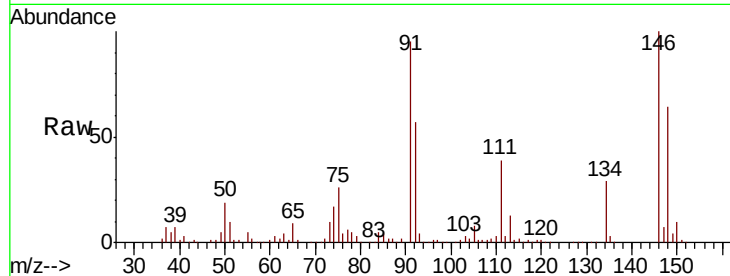




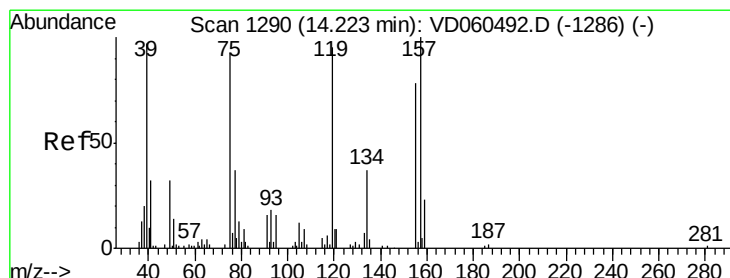
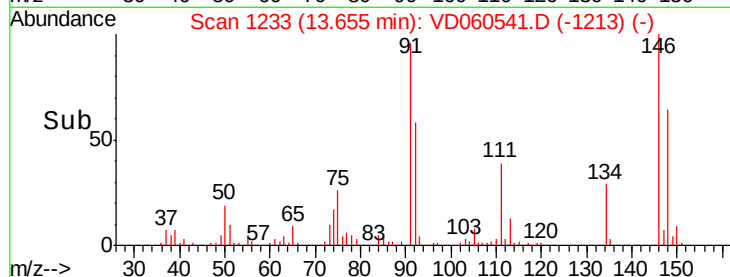
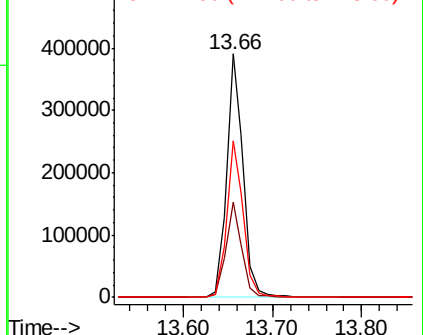
#91
 1,2-Dichlorobenzene
 Concen: 21.682 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion:146 Resp: 512172
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.8
 148 64.3 32.3 96.8

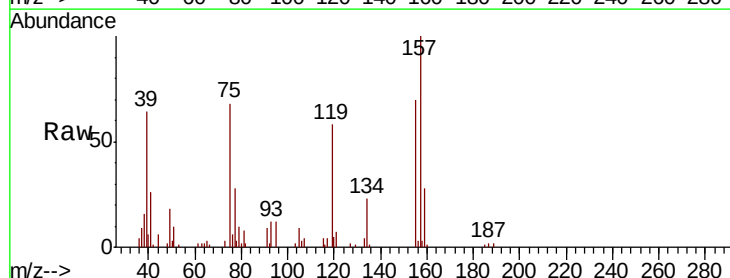


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

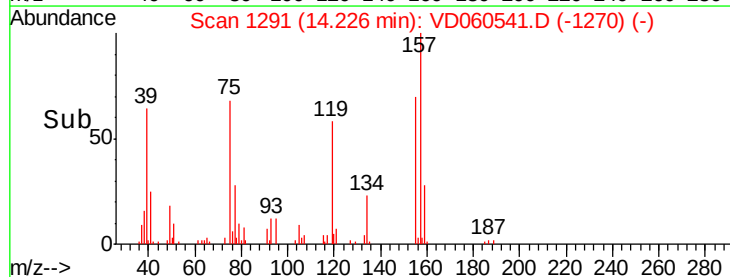
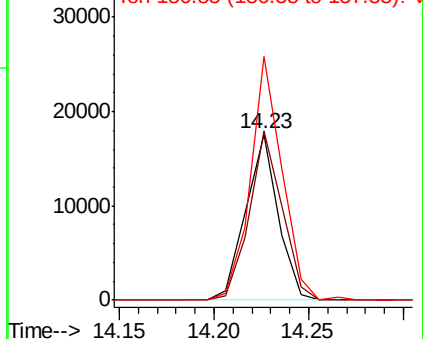


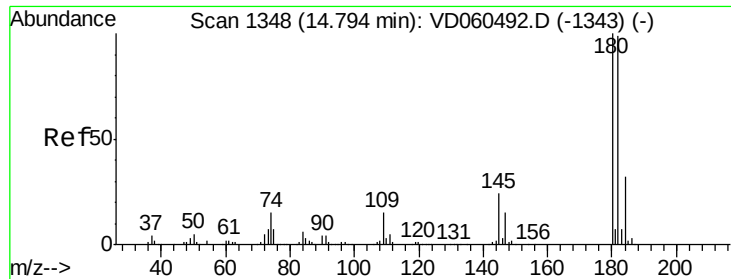
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.667 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion: 75 Resp: 20814
 Ion Ratio Lower Upper
 75 100
 155 102.2 41.6 124.9
 157 146.7 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

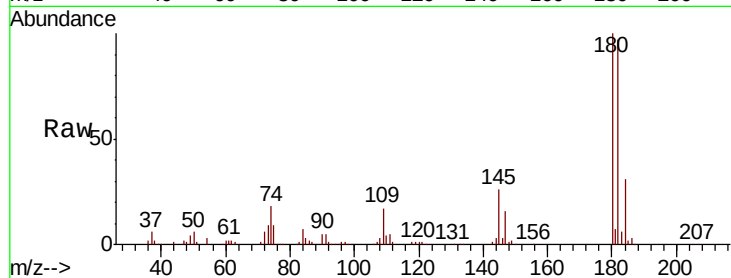




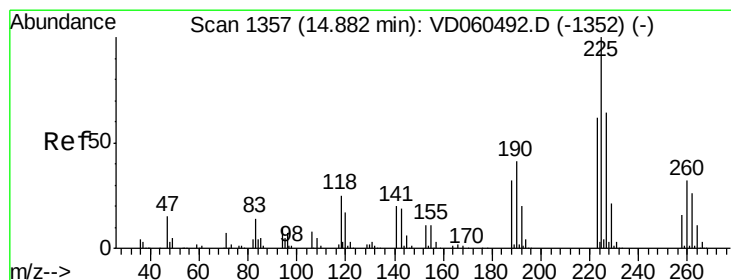
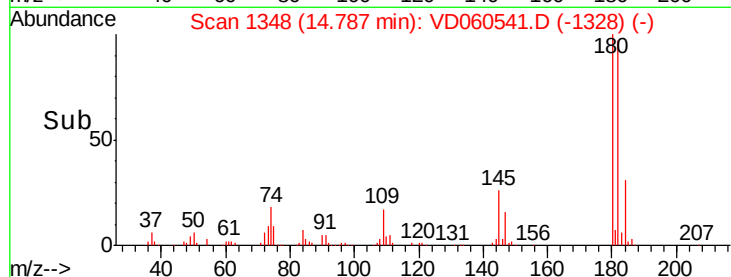
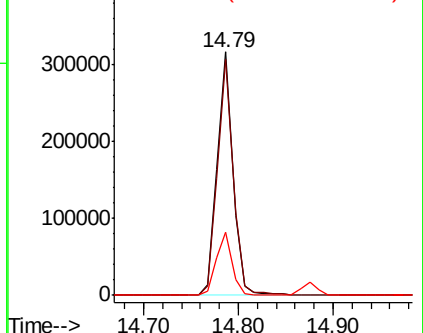
#93
 1,2,4-Trichlorobenzene
 Concen: 20.069 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1212SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.4	148.0
145	25.9	11.9	35.9

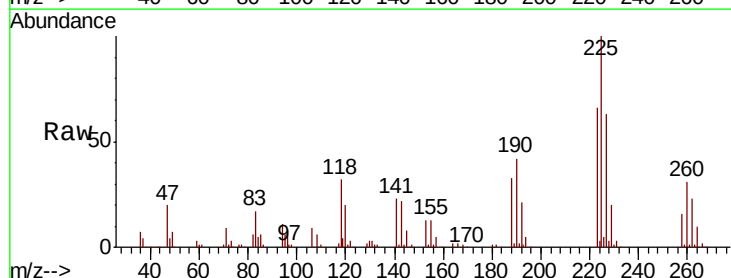


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

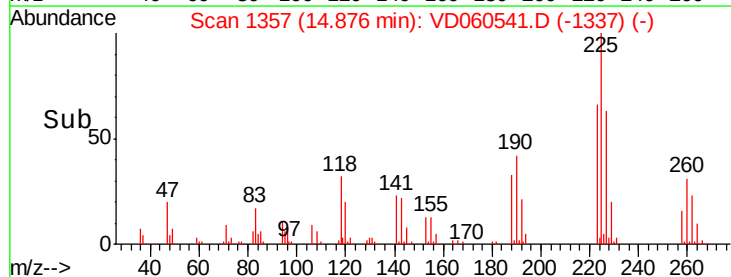
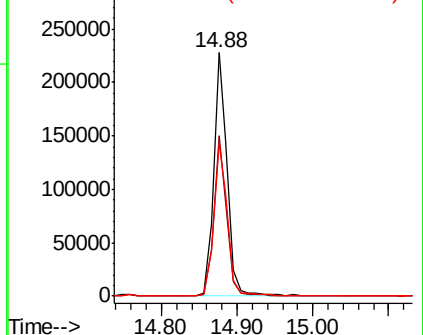


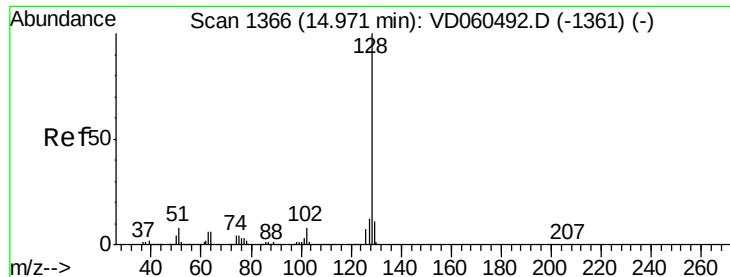
#94
 Hexachlorobutadiene
 Concen: 21.242 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060541.D
 Acq: 12 Dec 2018 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.2	93.6
227	62.7	32.0	96.0



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





#95

Naphthalene

Concen: 19.584 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD1212SBS01

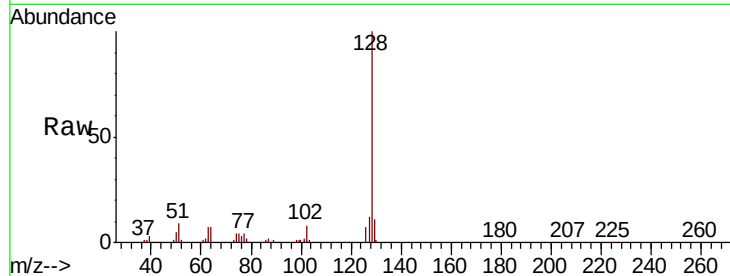
Tot Ion:128 Resp: 430224

Ion Ratio Lower Upper

128 100

127 11.6 9.8 14.8

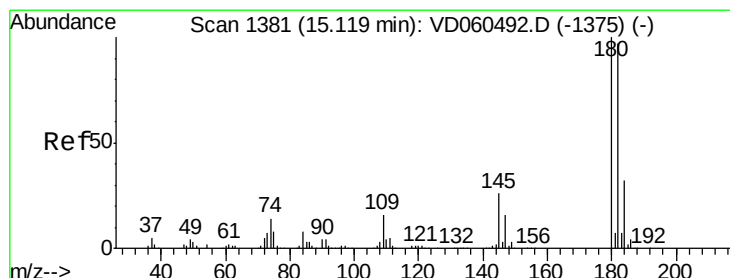
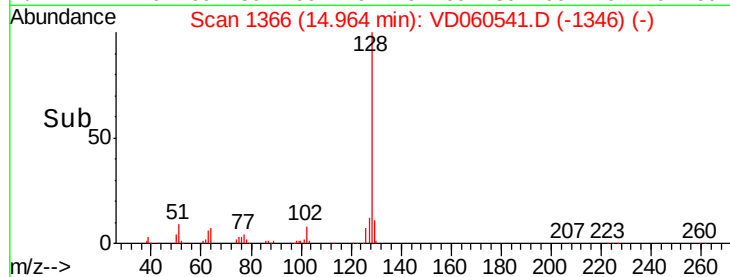
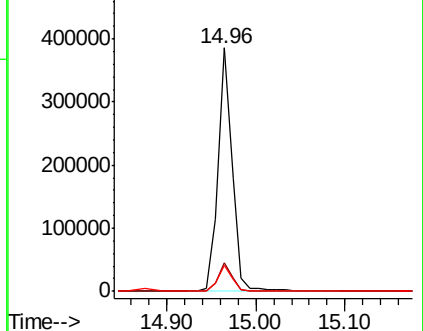
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.020 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060541.D

Acq: 12 Dec 2018 12:28

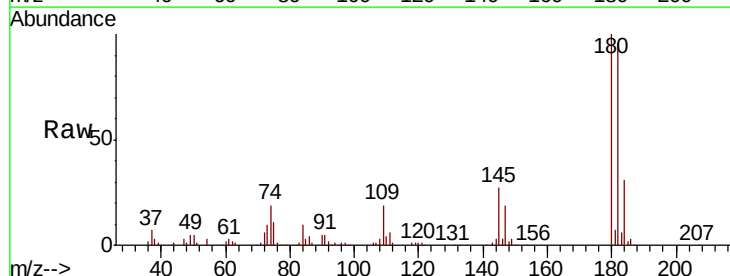
Tgt Ion:180 Resp: 294562

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.5

145 26.9 12.9 38.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

