

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060197.D
 Acq On : 25 Oct 2018 16:14
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Quant Time: Oct 26 03:41:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1631759	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2314919	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1864011	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1008031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	652022	52.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	6.33	113	918805	52.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.45	98	2537497	50.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.43	95	986435	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	298560	19.451	ug/l 96
3) Chloromethane	1.76	50	325137	23.491	ug/l 96
4) Vinyl Chloride	1.86	62	262480	23.173	ug/l 97
5) Bromomethane	2.14	94	28063	19.731	ug/l 93
6) Chloroethane	2.25	64	55565	17.976	ug/l 97
7) Trichlorofluoromethane	2.51	101	287976	21.233	ug/l 99
8) Diethyl Ether	2.83	74	69249	24.830	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	212952	25.203	ug/l 98
10) Methyl Iodide	3.24	142	184901	20.636	ug/l 96
11) Tert butyl alcohol	3.97	59	84677	95.455	ug/l 100
12) 1,1-Dichloroethene	3.07	96	167009	25.090	ug/l 93
13) Acrolein	2.99	56	43570	79.676	ug/l 98
14) Allyl chloride	3.54	41	338441	24.481	ug/l 100
15) Acrylonitrile	4.08	53	410337	111.755	ug/l 98
16) Acetone	3.16	43	340057	151.514	ug/l 97
17) Carbon Disulfide	3.31	76	512719	22.905	ug/l 100
18) Methyl Acetate	3.56	43	114628	23.762	ug/l 97
19) Methyl tert-butyl Ether	4.13	73	654297	22.357	ug/l 100
20) Methylene Chloride	3.72	84	380391	18.853	ug/l 98
21) trans-1,2-Dichloroethene	4.10	96	375973	21.870	ug/l 97
22) Diisopropyl ether	4.86	45	1409158	22.824	ug/l 96
23) Vinyl Acetate	4.80	43	4043062	116.500	ug/l 97
24) 1,1-Dichloroethane	4.76	63	644327	23.017	ug/l 100
25) 2-Butanone	5.62	43	697283	124.358	ug/l 96
26) 2,2-Dichloropropane	5.59	77	514612	24.249	ug/l 97
27) cis-1,2-Dichloroethene	5.60	96	405101	22.241	ug/l 93
28) Bromochloromethane	5.92	49	299343	22.005	ug/l 98
29) Tetrahydrofuran	5.95	42	366198	112.439	ug/l 98
30) Chloroform	6.10	83	651861	23.020	ug/l 99
31) Cyclohexane	6.36	56	568444	21.213	ug/l 97
32) 1,1,1-Trichloroethane	6.30	97	524265	22.598	ug/l 98
36) 1,1-Dichloropropene	6.52	75	476159	21.525	ug/l 97
37) Ethyl Acetate	5.70	43	322886	21.990	ug/l 97
38) Carbon Tetrachloride	6.49	117	443156	22.072	ug/l 95

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	551487	21.942	ug/l	97
40) Benzene	6.80	78	1224990	21.167	ug/l	99
41) Methacrylonitrile	5.95	41	366071	44.109	ug/l #	89
42) 1,2-Dichloroethane	6.90	62	368716	22.223	ug/l	99
43) Isopropyl Acetate	8.35	43	412198	21.338	ug/l	100
44) Trichloroethene	7.74	130	380584	21.244	ug/l	99
45) 1,2-Dichloropropane	8.11	63	335515	22.141	ug/l	99
46) Dibromomethane	8.21	93	207932	21.195	ug/l	93
47) Bromodichloromethane	8.49	83	480470	22.985	ug/l	99
48) Methyl methacrylate	8.24	41	243930	22.169	ug/l	98
49) 1,4-Dioxane	8.22	88	44123	407.547	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	1359659	111.594	ug/l	98
52) Toluene	9.55	92	824875	22.131	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	423065	22.367	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	529085	22.652	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	265514	21.791	ug/l	99
56) Ethyl methacrylate	10.04	69	290663	21.610	ug/l	97
57) 1,3-Dichloropropane	10.38	76	405867	21.841	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	838523	112.268	ug/l	95
59) 2-Hexanone	10.49	43	1054130	120.317	ug/l	100
60) Dibromochloromethane	10.65	129	332384	22.233	ug/l	99
61) 1,2-Dibromoethane	10.76	107	274639	21.213	ug/l	100
64) Tetrachloroethene	10.25	164	342212	20.961	ug/l	99
65) Chlorobenzene	11.31	112	907865	22.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	308697	22.947	ug/l	98
67) Ethyl Benzene	11.43	91	1561808	23.905	ug/l	99
68) m/p-Xylenes	11.57	106	1143999	46.863	ug/l	97
69) o-Xylene	11.93	106	536907	22.236	ug/l	91
70) Styrene	11.95	104	911419	22.571	ug/l	97
71) Bromoform	12.12	173	227680	20.901	ug/l	97
73) Isopropylbenzene	12.28	105	1492791	22.447	ug/l	99
74) N-amyl acetate	12.13	43	524295	21.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	312534	21.527	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	311353	21.448	ug/l	97
77) Bromobenzene	12.54	156	420664	21.768	ug/l	88
78) n-propylbenzene	12.64	91	1860702	22.533	ug/l	96
79) 2-Chlorotoluene	12.70	91	1030891	22.494	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1175098	22.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	85533	20.969	ug/l	98
82) 4-Chlorotoluene	12.81	91	1201720	23.183	ug/l	97
83) tert-Butylbenzene	13.05	119	1356542	22.968	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1233573	22.741	ug/l	98
85) sec-Butylbenzene	13.22	105	1574815	22.551	ug/l	98
86) p-Isopropyltoluene	13.34	119	1287762	22.482	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	750682	22.296	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	749876	22.173	ug/l	98
89) n-Butylbenzene	13.65	91	1386931	24.815	ug/l	98
90) Hexachloroethane	13.86	117	301395	22.736	ug/l	62
91) 1,2-Dichlorobenzene	13.66	146	660416	23.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41675	21.499	ug/l	93

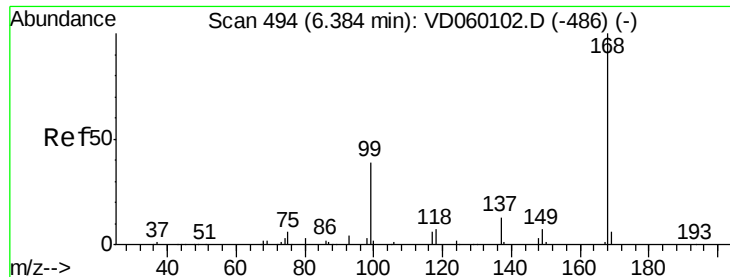
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102518\
Data File : VD060197.D
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Sample : VD1025SBS01
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MSVOA_D
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	517134	21.521	ug/l	99
94) Hexachlorobutadiene	14.88	225	342454	21.440	ug/l	99
95) Naphthalene	14.97	128	710264	19.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	426618	20.409	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

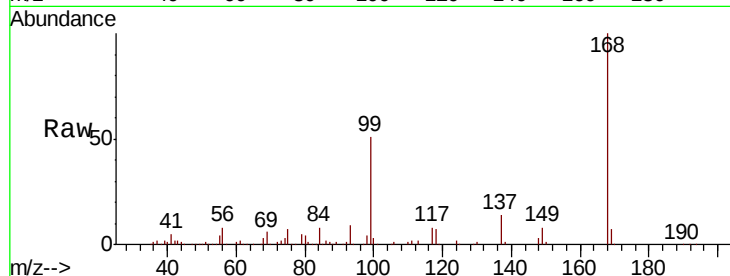
VD1025SBS01

Tot Ion:168 Resp: 1631759

Ion Ratio Lower Upper

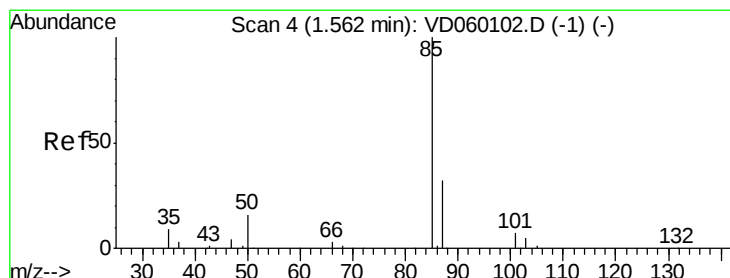
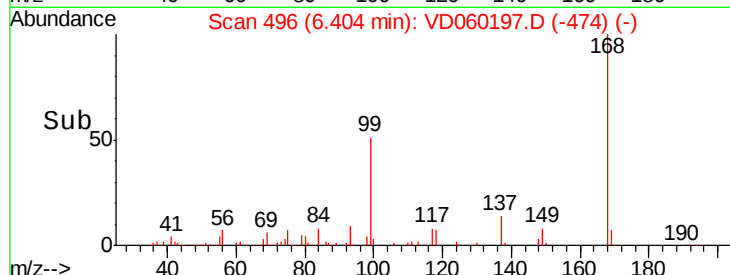
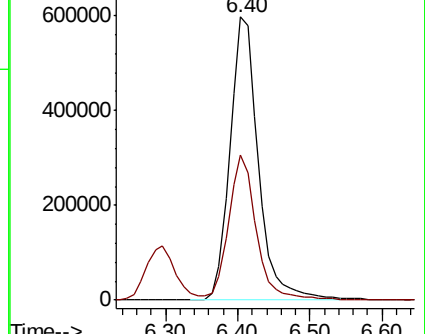
168 100

99 51.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.451 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.03 min

Lab File: VD060197.D

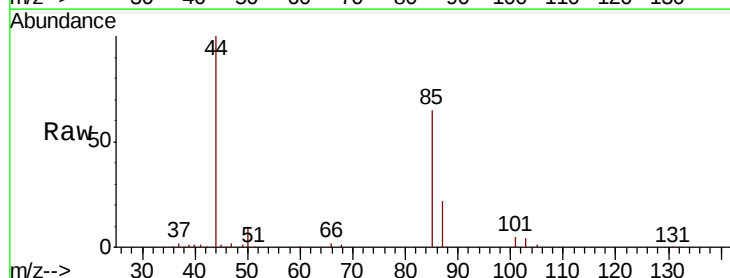
Acq: 25 Oct 2018 16:14

Tgt Ion: 85 Resp: 298560

Ion Ratio Lower Upper

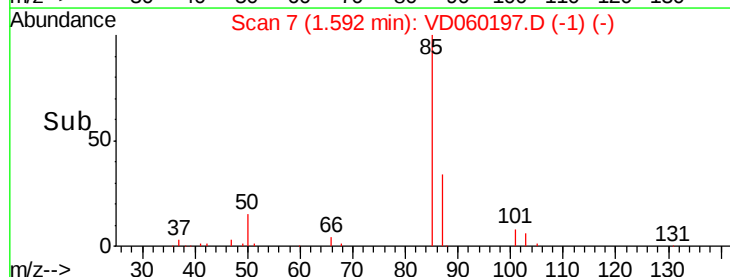
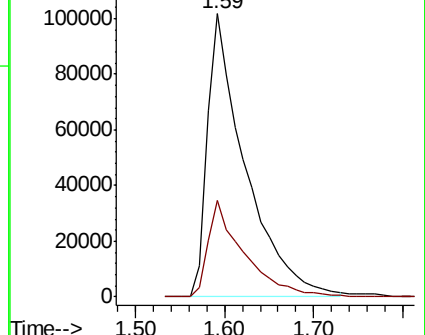
85 100

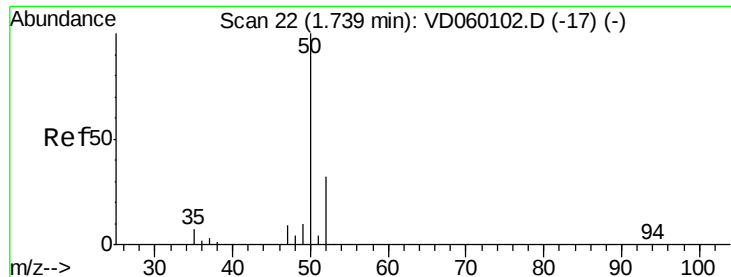
87 34.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.491 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

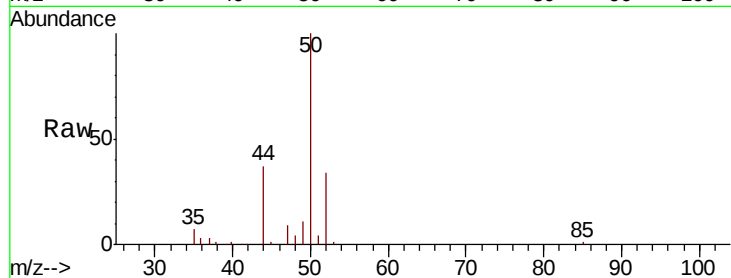
VD1025SBS01

Tot Ion: 50 Resp: 325137

Ion Ratio Lower Upper

50 100

52 33.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

120000

100000

80000

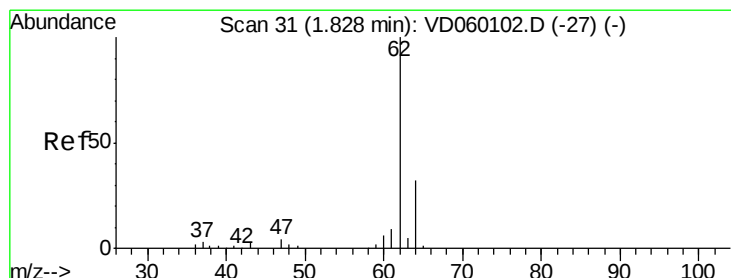
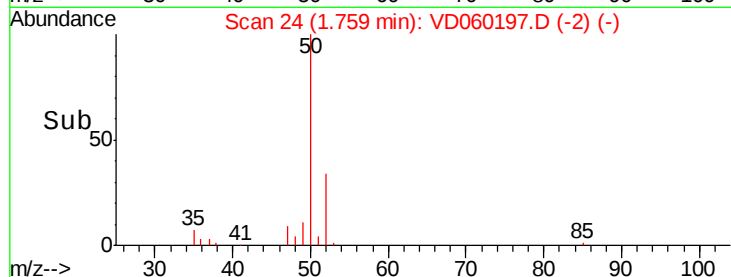
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 23.173 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060197.D

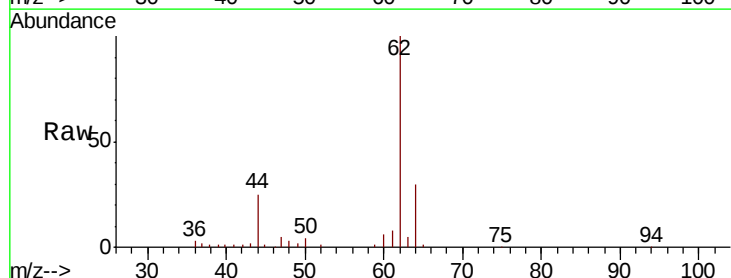
Acq: 25 Oct 2018 16:14

Tgt Ion: 62 Resp: 262480

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

120000

100000

80000

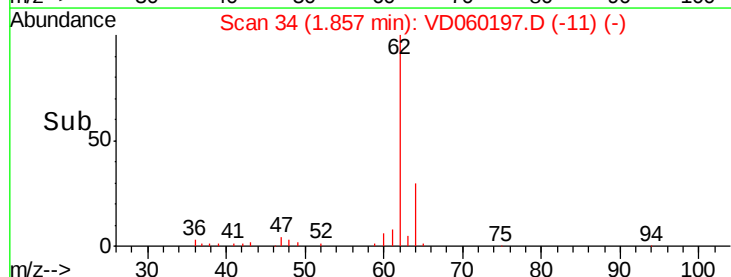
60000

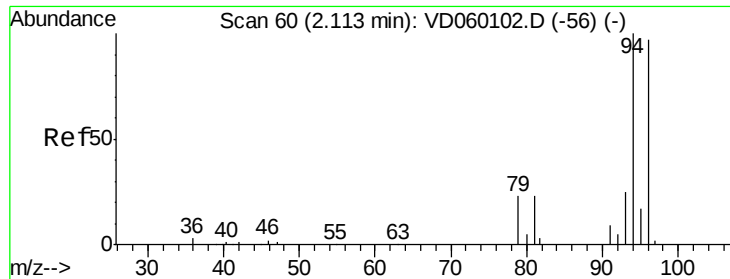
40000

20000

0

Time-->





#5

Bromomethane

Concen: 19.731 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

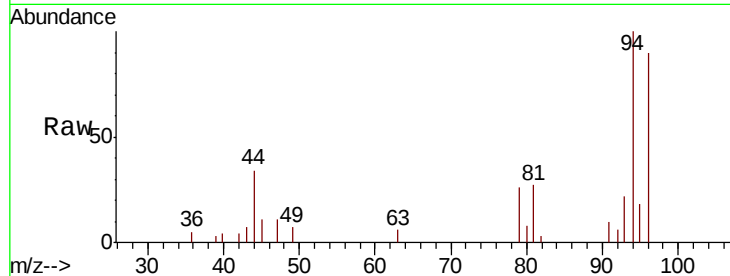
VD1025SBS01

Tot Ion: 94 Resp: 28063

Ion Ratio Lower Upper

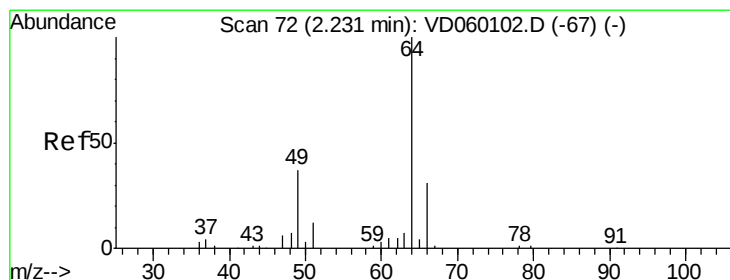
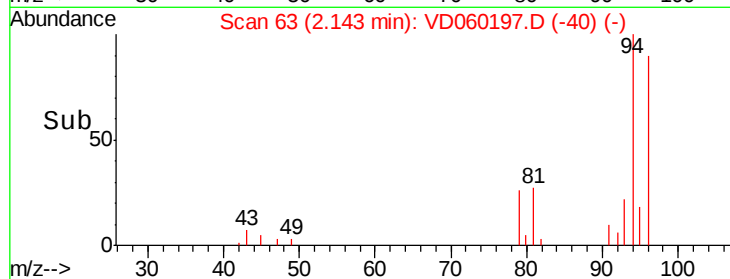
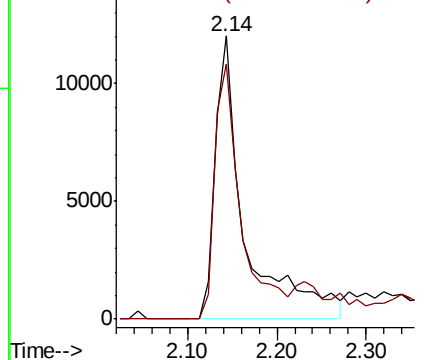
94 100

96 90.1 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.976 ug/l

RT: 2.25 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060197.D

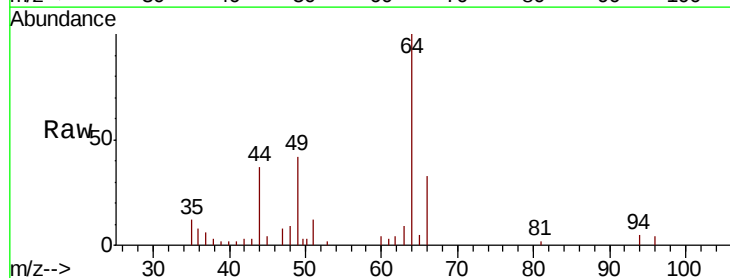
Acq: 25 Oct 2018 16:14

Tgt Ion: 64 Resp: 55565

Ion Ratio Lower Upper

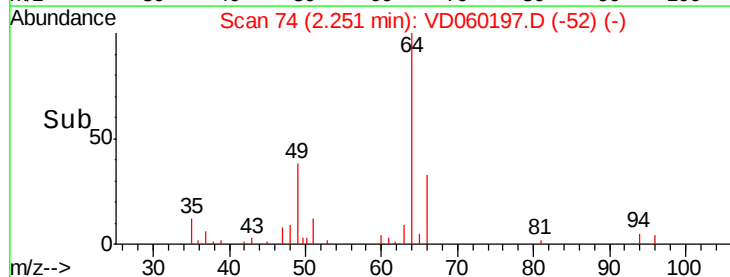
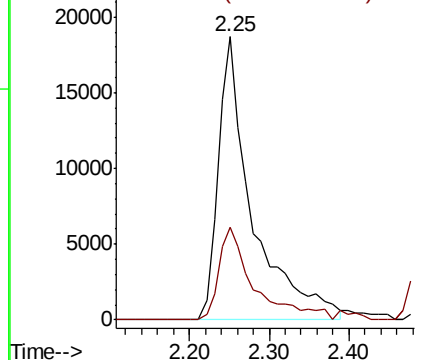
64 100

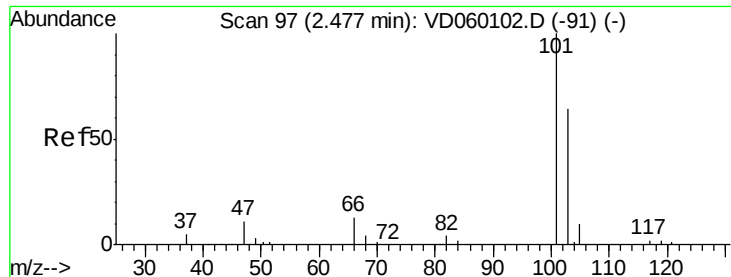
66 32.6 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



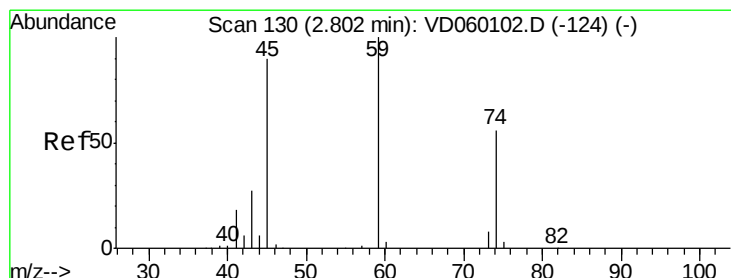
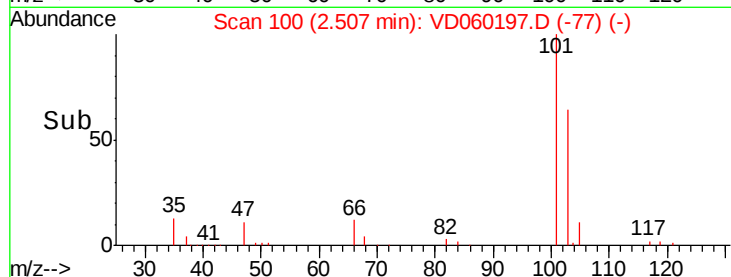
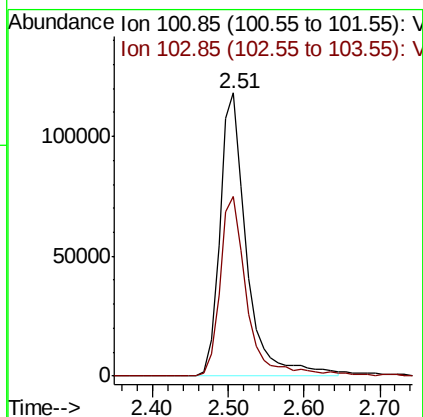
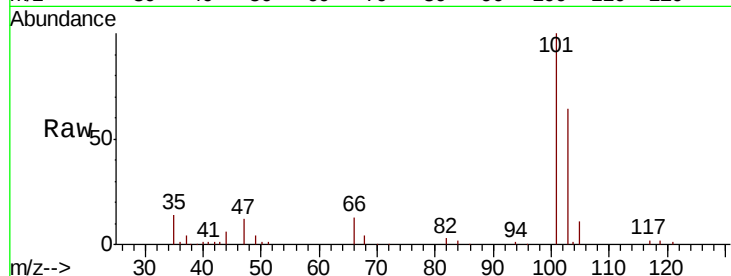


#7

Trichlorofluoromethane
 Concen: 21.233 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

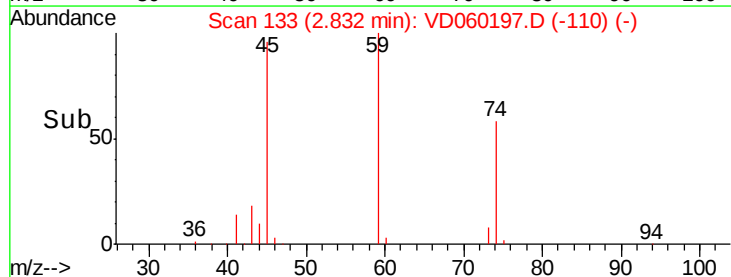
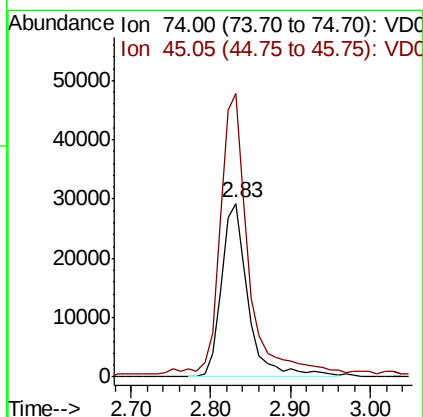
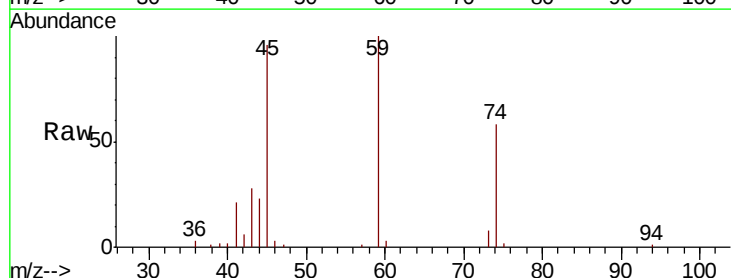
Tot Ion:101 Resp: 287976
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3

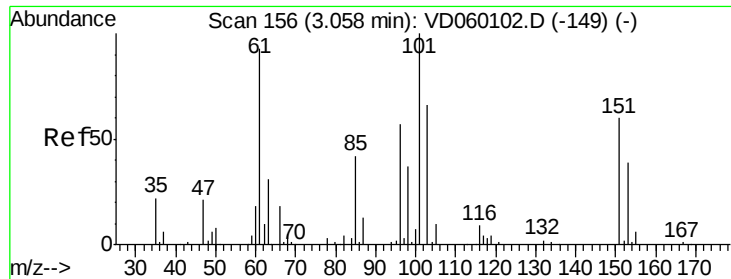


#8

Diethyl Ether
 Concen: 24.830 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 74 Resp: 69249
 Ion Ratio Lower Upper
 74 100
 45 163.4 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.203 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

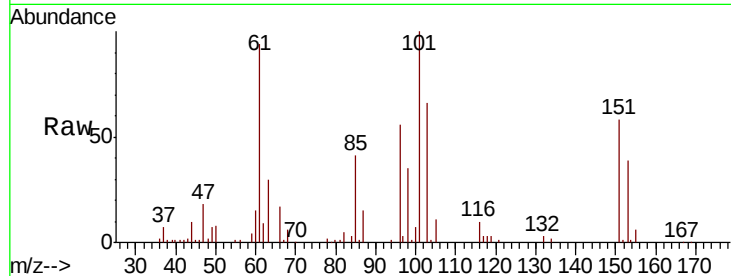
Tot Ion:101 Resp: 212952

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.0

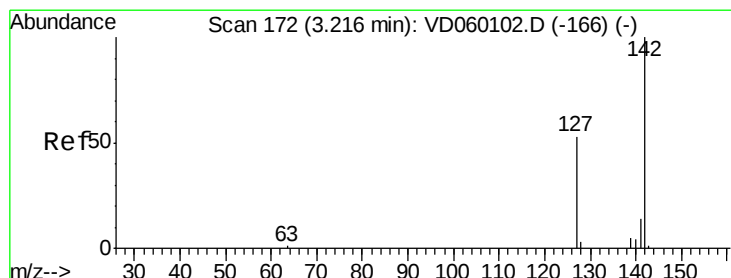
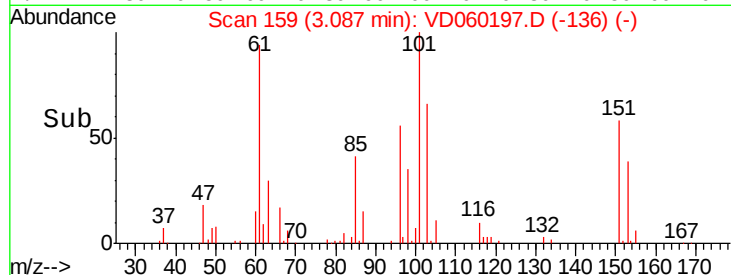
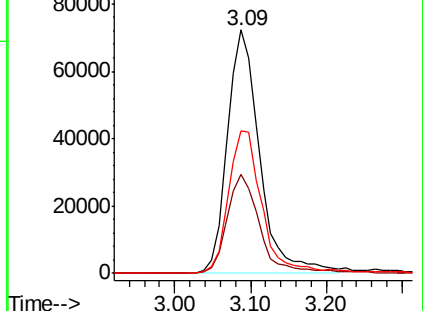
151 58.3 48.0 72.0



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: 20.636 ug/l

RT: 3.24 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

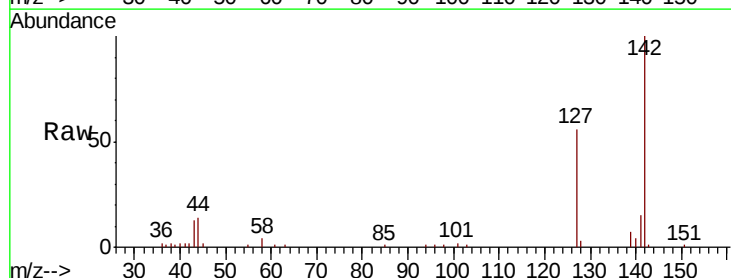
Tgt Ion:142 Resp: 184901

Ion Ratio Lower Upper

142 100

127 56.2 42.0 63.0

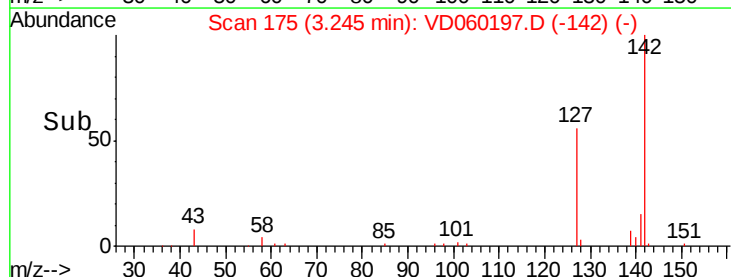
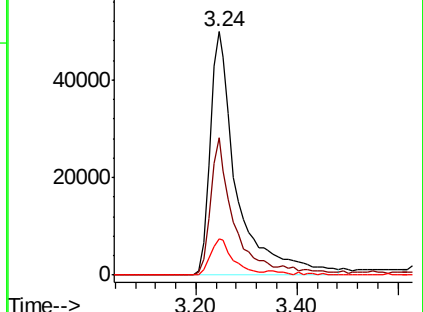
141 14.7 11.4 17.0

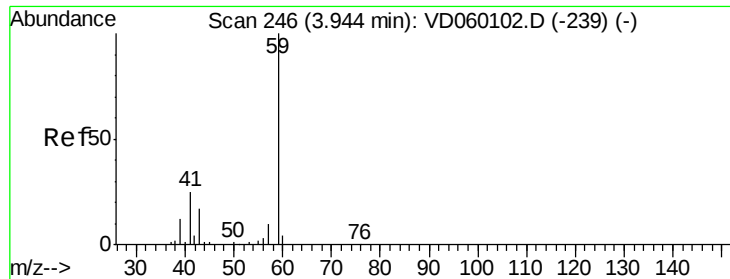


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

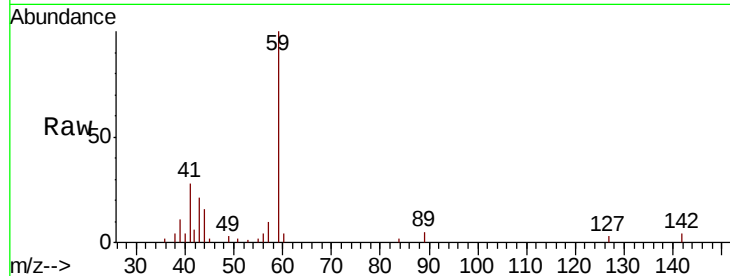




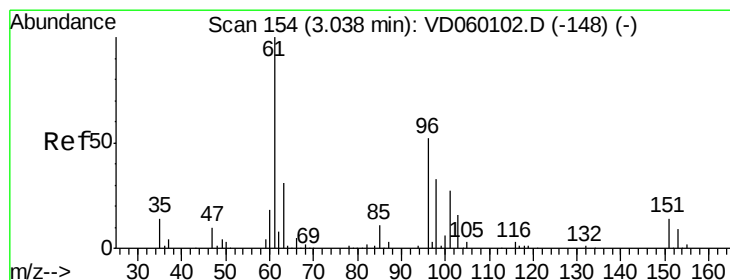
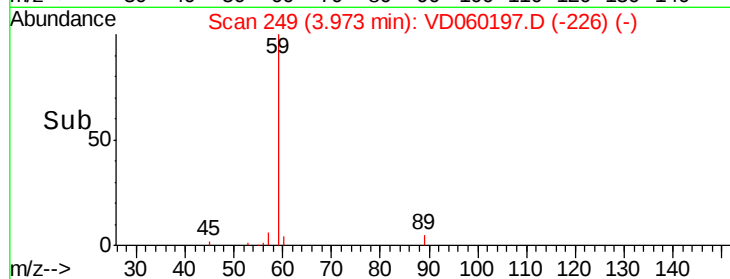
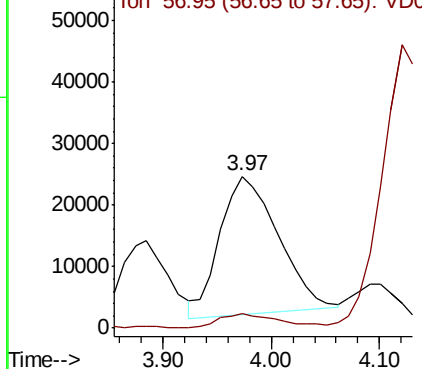
#11
Tert butyl alcohol
Concen: 95.455 ug/l
RT: 3.97 min Scan# 249
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 59 Resp: 84677
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.6

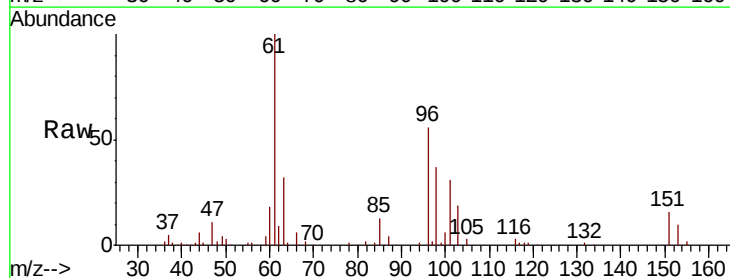


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

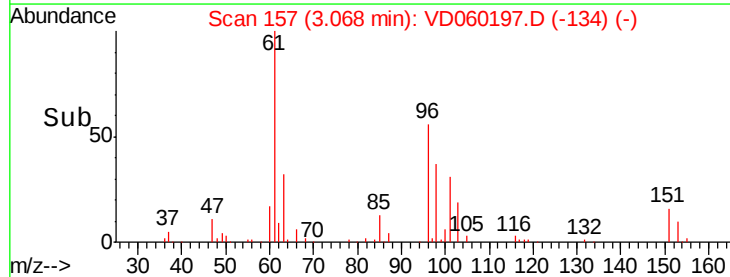
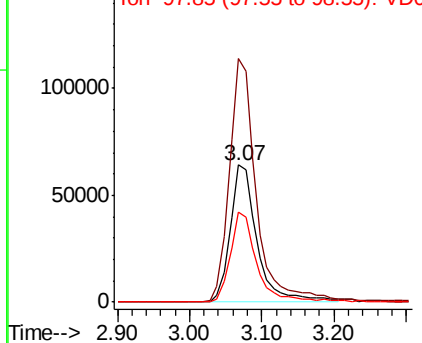


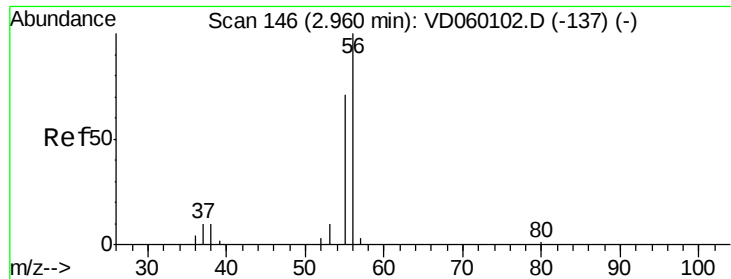
#12
1,1-Dichloroethene
Concen: 25.090 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 96 Resp: 167009
Ion Ratio Lower Upper
96 100
61 178.0 153.0 229.4
98 65.8 51.1 76.7



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: 79.676 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

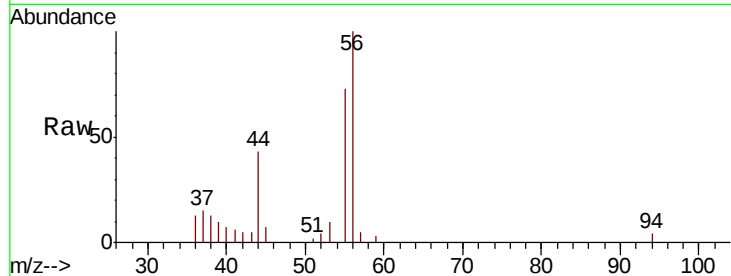
VD1025SBS01

Tot Ion: 56 Resp: 43570

Ion Ratio Lower Upper

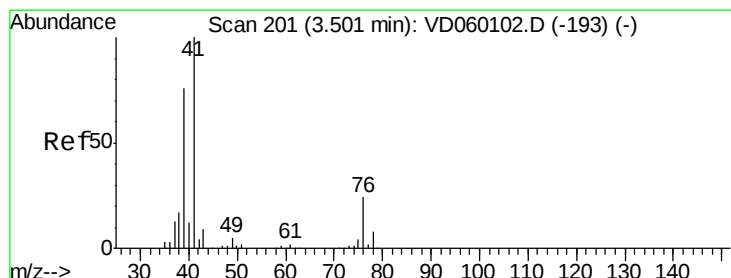
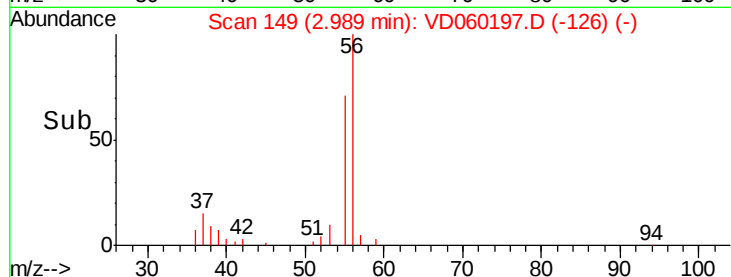
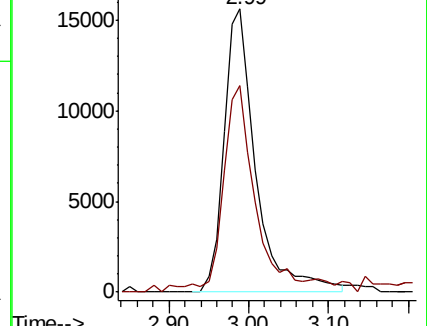
56 100

55 73.2 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.481 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

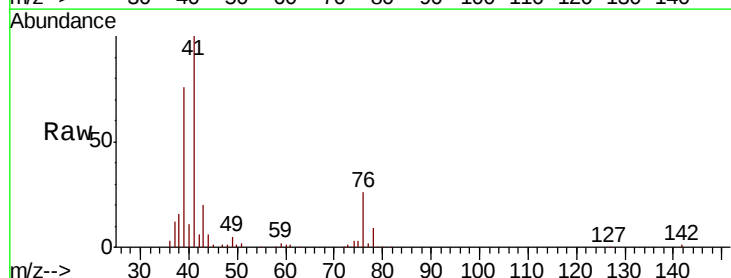
Tgt Ion: 41 Resp: 338441

Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

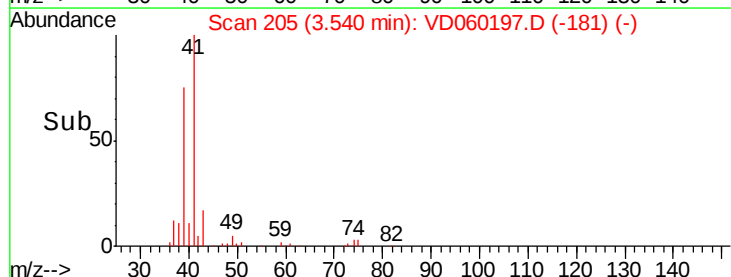
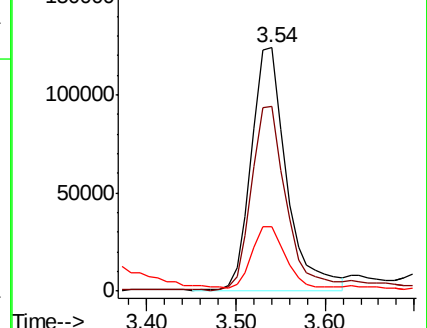
76 26.5 21.3 31.9

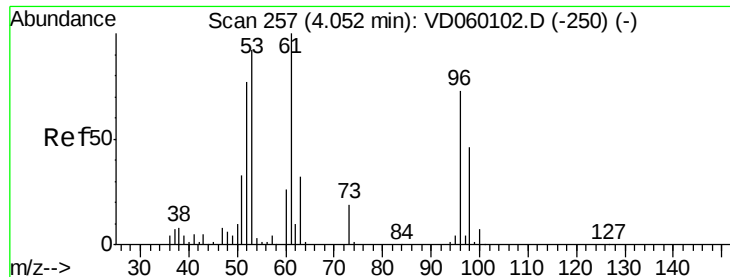


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 111.755 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

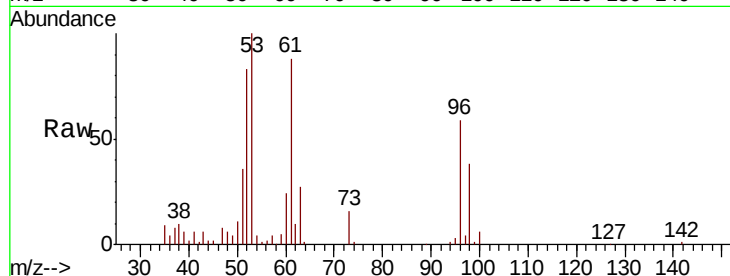
Tot Ion: 53 Resp: 410337

Ion Ratio Lower Upper

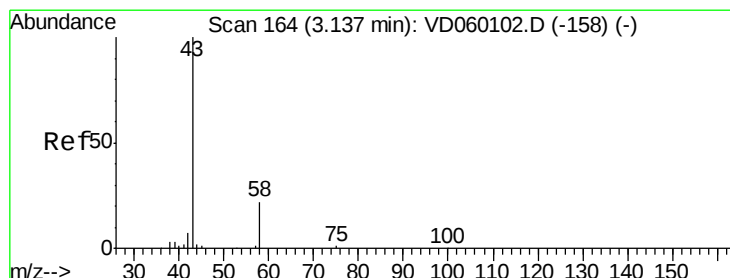
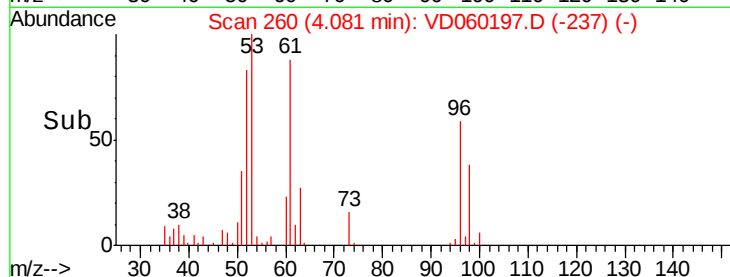
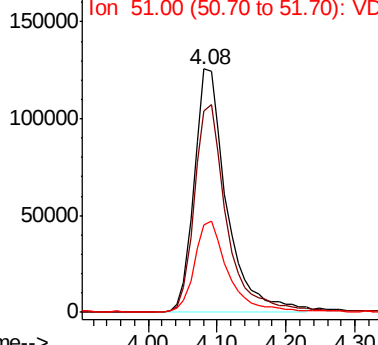
53 100

52 82.5 67.5 101.3

51 35.8 29.3 43.9



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: 151.514 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060197.D

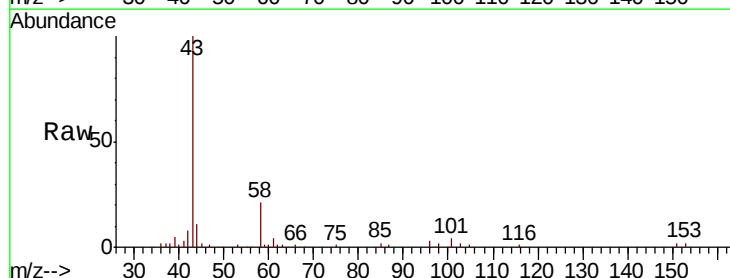
Acq: 25 Oct 2018 16:14

Tgt Ion: 43 Resp: 340057

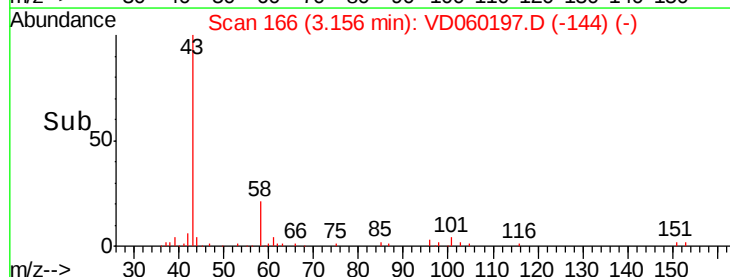
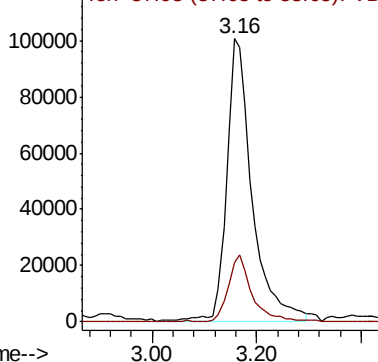
Ion Ratio Lower Upper

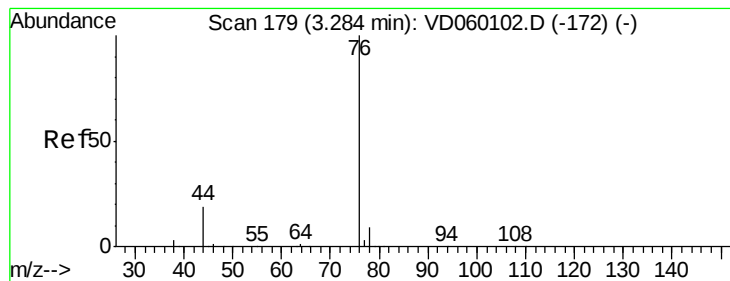
43 100

58 20.9 17.7 26.5



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





#17

Carbon Disulfide

Concen: 22.905 ug/l

RT: 3.31 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

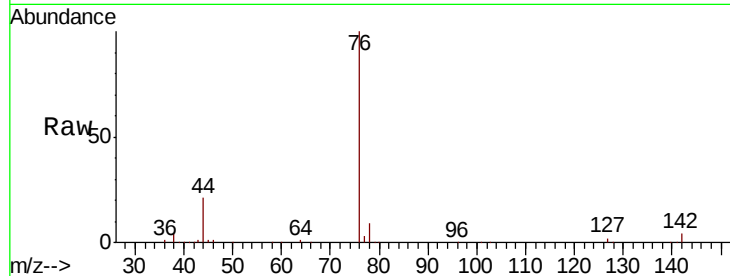
VD1025SBS01

Tot Ion: 76 Resp: 512719

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.31

200000

150000

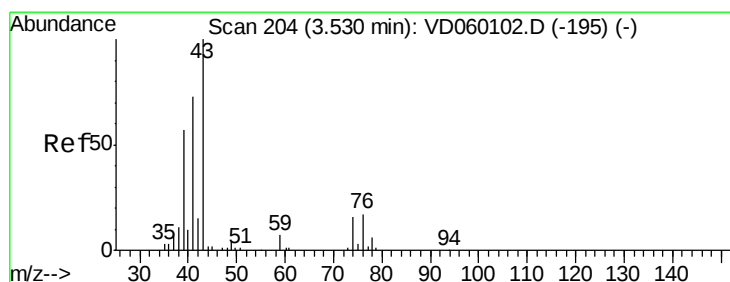
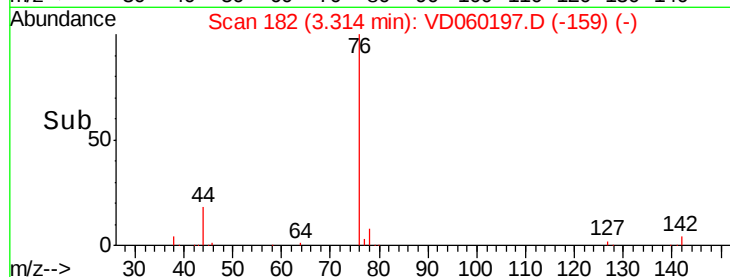
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 23.762 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060197.D

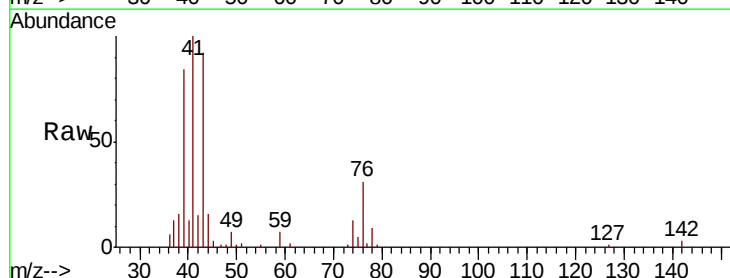
Acq: 25 Oct 2018 16:14

Tgt Ion: 43 Resp: 114628

Ion Ratio Lower Upper

43 100

74 14.6 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.56

40000

30000

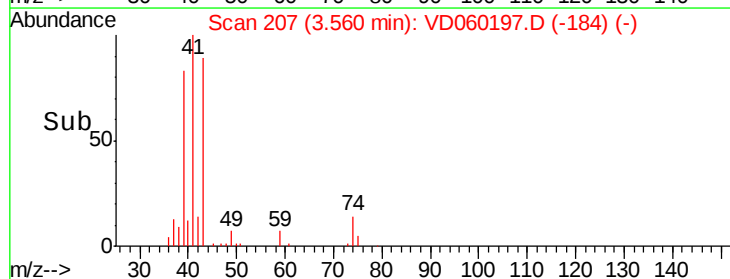
20000

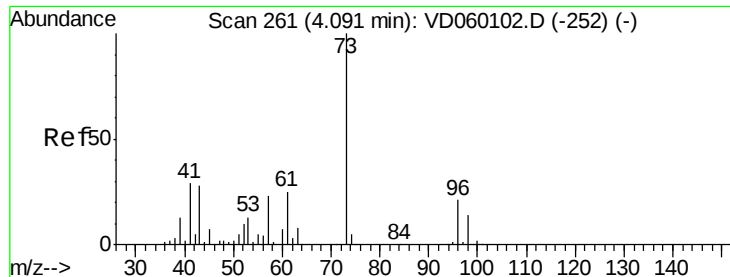
10000

0

3.50 3.60 3.70

Time-->

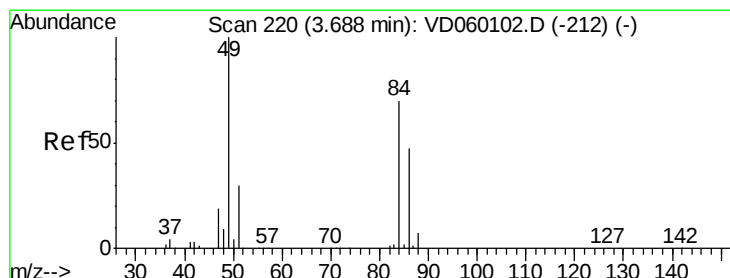
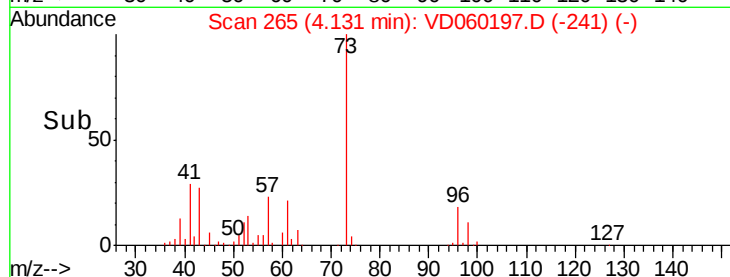
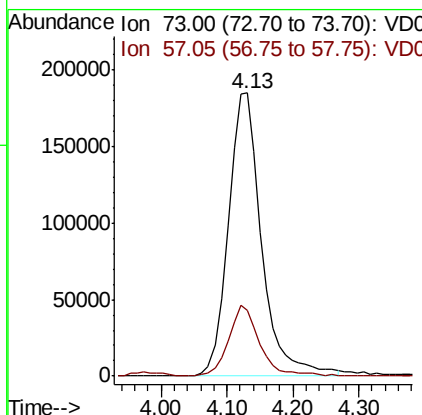
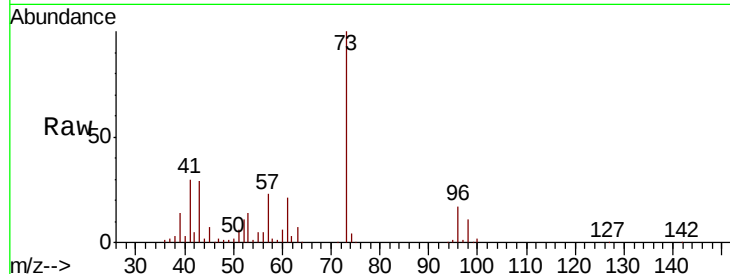




#19
Methyl tert-butyl Ether
Concen: 22.357 ug/l
RT: 4.13 min Scan# 265
Delta R.T. 0.04 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

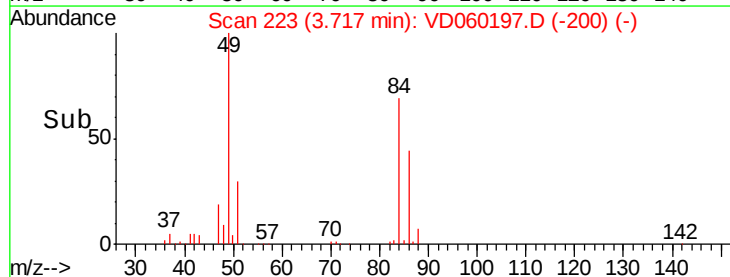
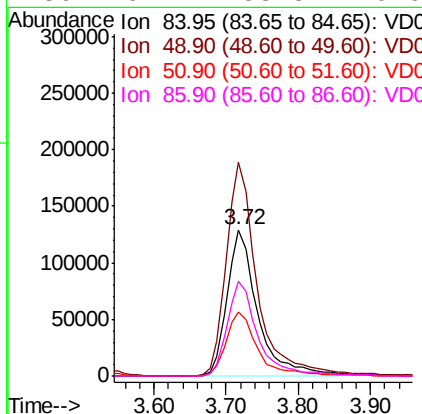
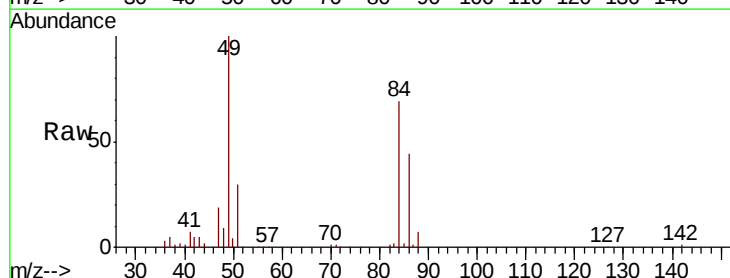
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

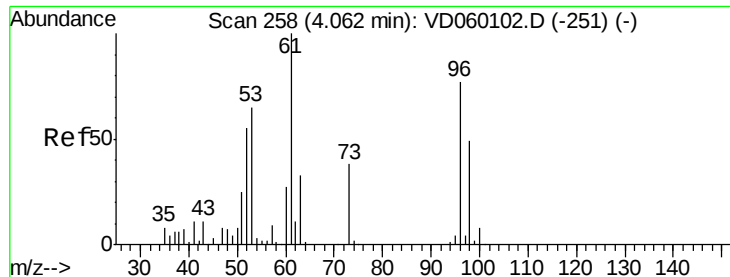
Tot Ion: 73 Resp: 654297
Ion Ratio Lower Upper
73 100
57 23.2 18.7 28.1



#20
Methylene Chloride
Concen: 18.853 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 84 Resp: 380391
Ion Ratio Lower Upper
84 100
49 145.9 114.6 172.0
51 43.5 33.8 50.8
86 64.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.870 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

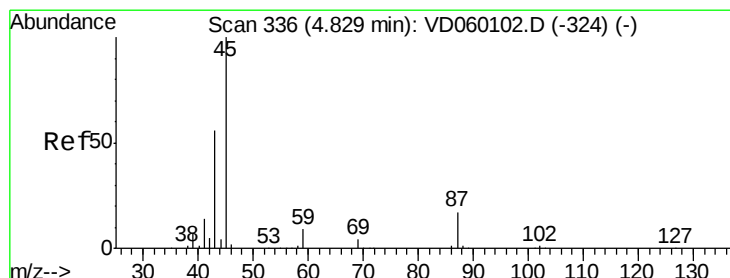
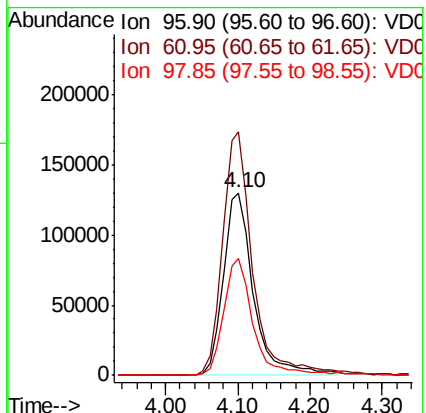
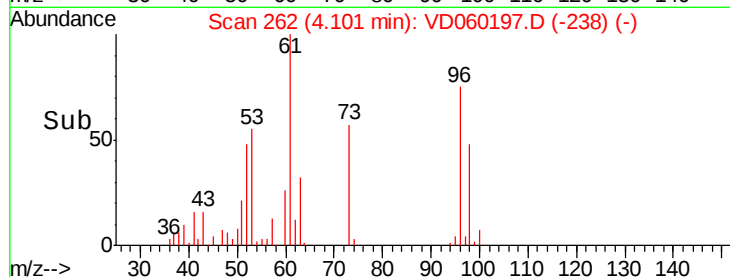
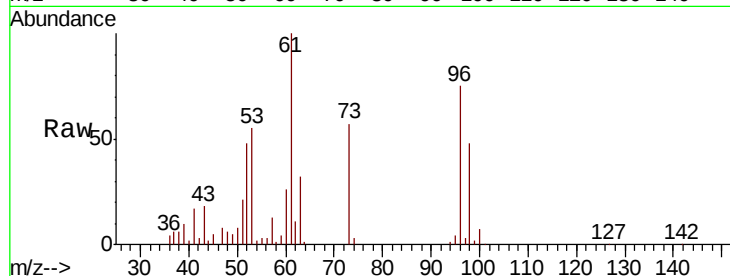
Tot Ion: 96 Resp: 375973

Ion Ratio Lower Upper

96 100

61 133.6 103.3 154.9

98 64.3 50.4 75.6



#22

Diisopropyl ether

Concen: 22.824 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion: 45 Resp: 1409158

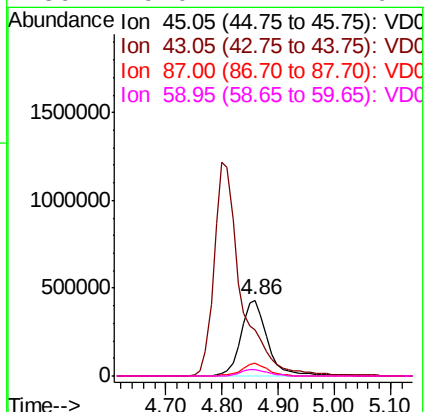
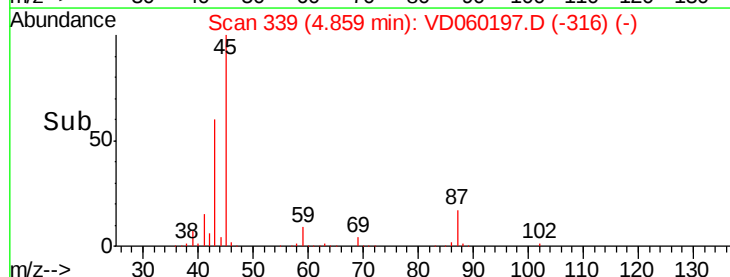
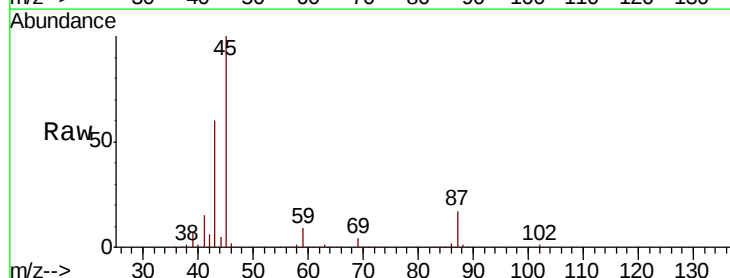
Ion Ratio Lower Upper

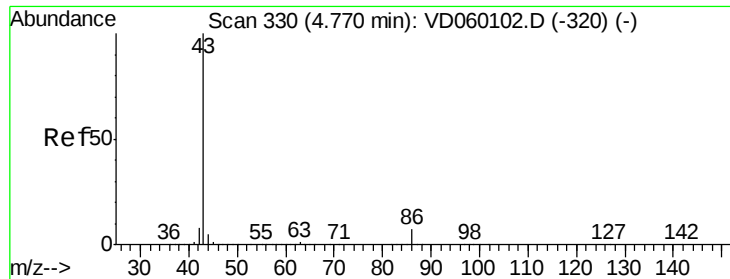
45 100

43 60.3 44.8 67.2

87 16.9 13.9 20.9

59 9.0 7.1 10.7

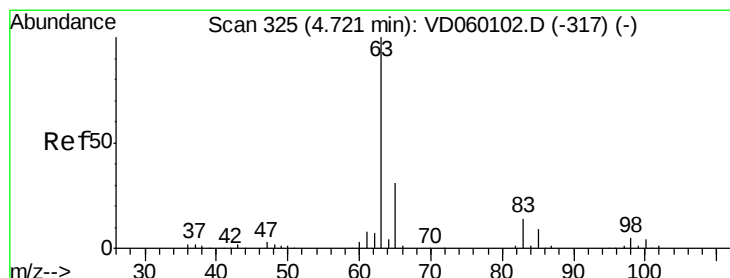
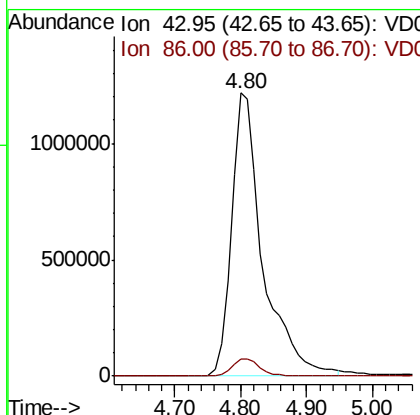
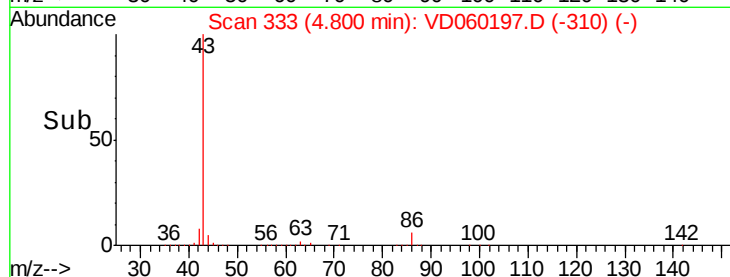
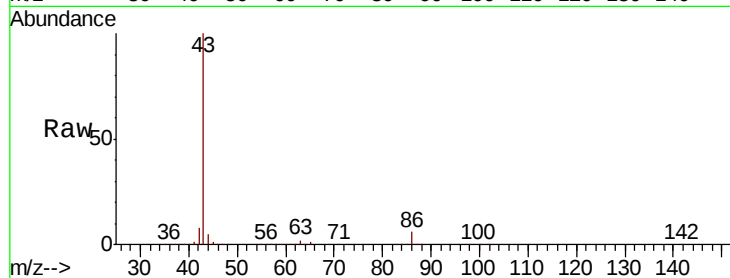




#23
 Vinyl Acetate
 Concen: 116.500 ug/l
 RT: 4.80 min Scan# 333
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

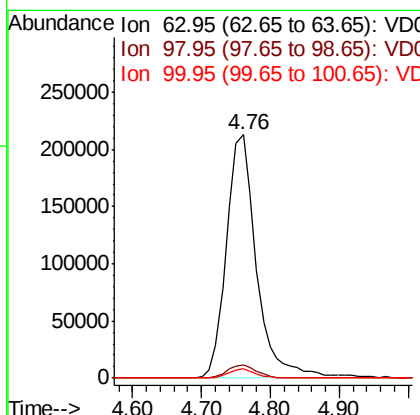
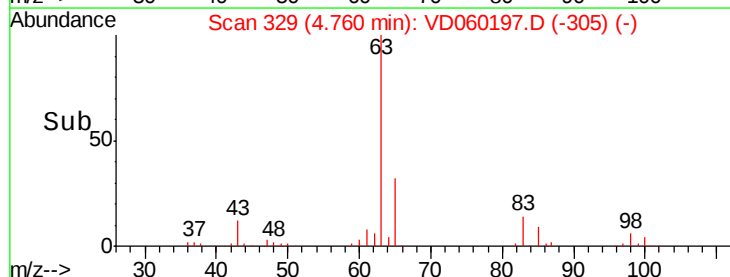
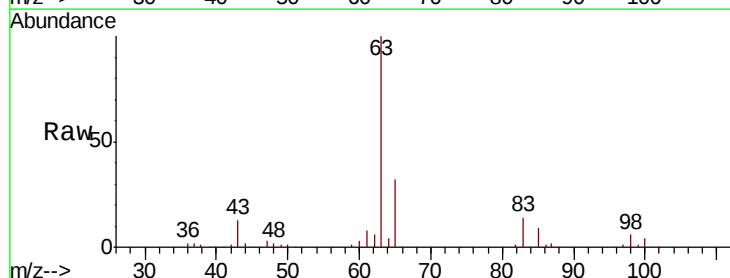
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

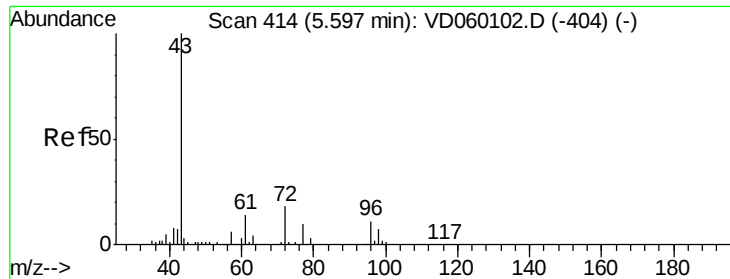
Tot Ion: 43 Resp: 4043062
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.6 8.4



#24
 1,1-Dichloroethane
 Concen: 23.017 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. 0.04 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 63 Resp: 644327
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.7 1.8 5.3





#25

2-Butanone

Concen: 124.358 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

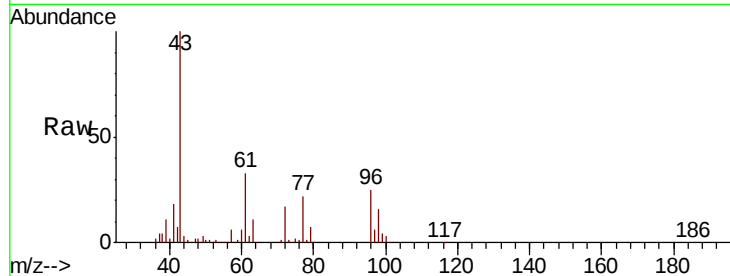
VD1025SBS01

Tot Ion: 43 Resp: 697283

Ion Ratio Lower Upper

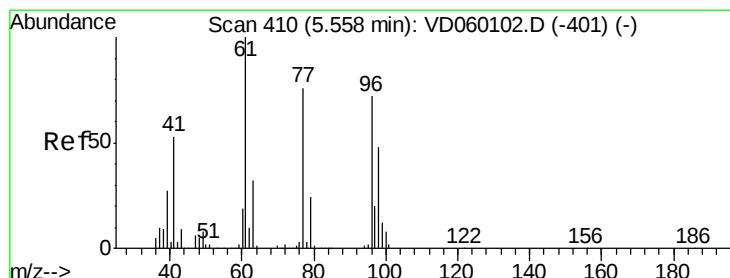
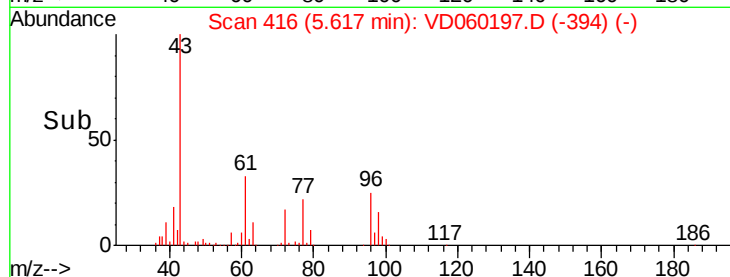
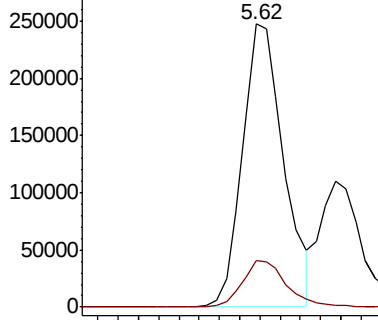
43 100

72 16.5 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.249 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060197.D

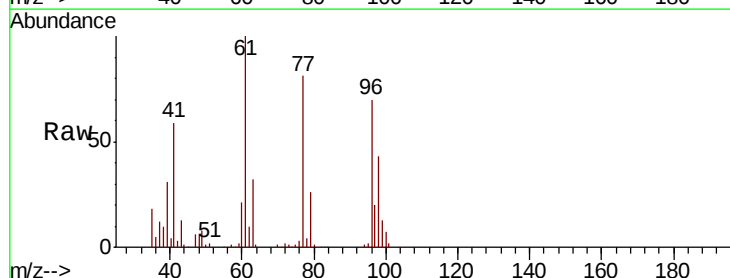
Acq: 25 Oct 2018 16:14

Tgt Ion: 77 Resp: 514612

Ion Ratio Lower Upper

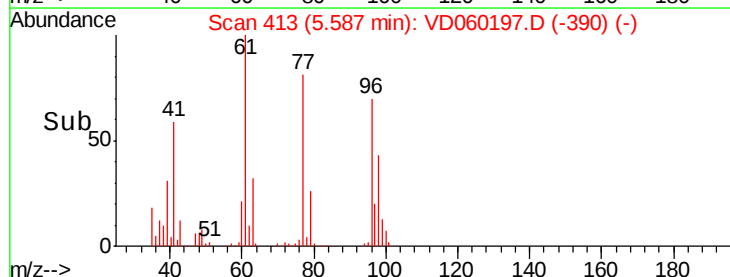
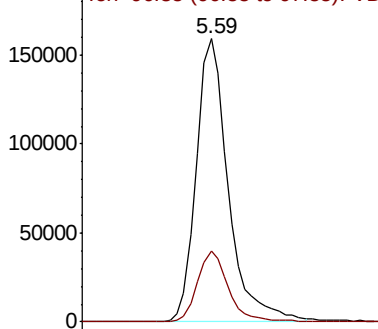
77 100

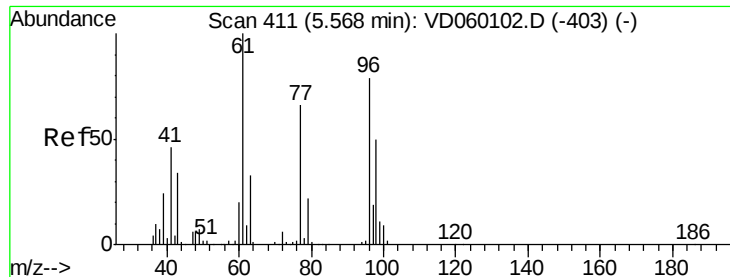
97 24.9 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



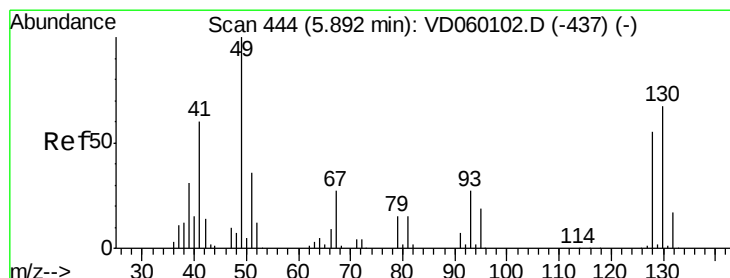
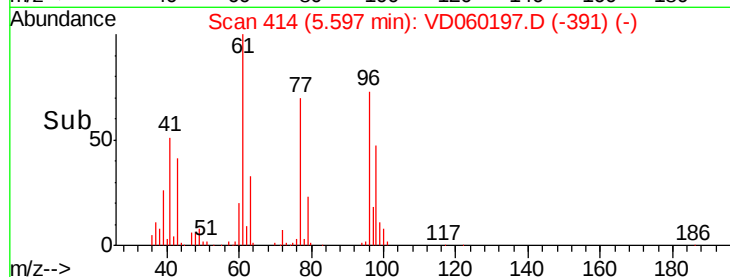
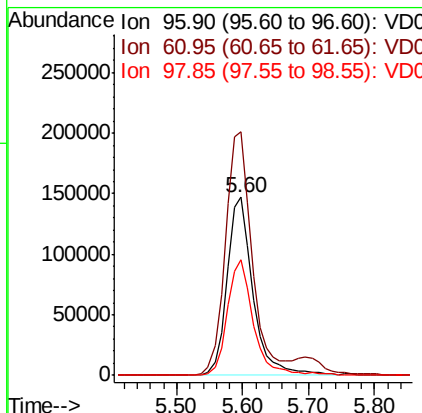
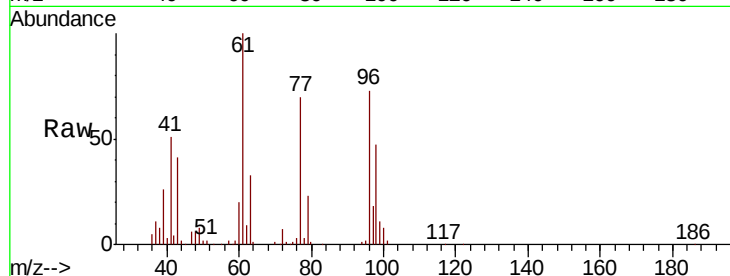


#27

cis-1,2-Dichloroethene
Concen: 22.241 ug/l
RT: 5.60 min Scan# 414
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

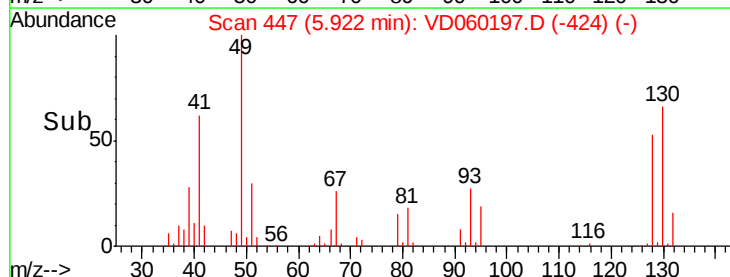
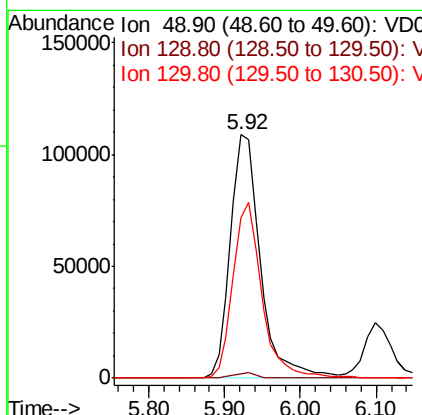
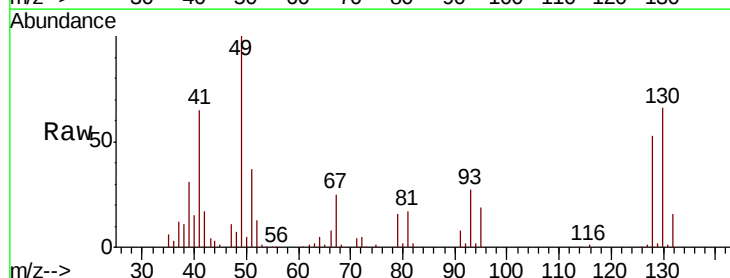
Tot Ion: 96 Resp: 405101
Ion Ratio Lower Upper
96 100
61 136.8 0.0 251.8
98 64.8 0.0 125.2

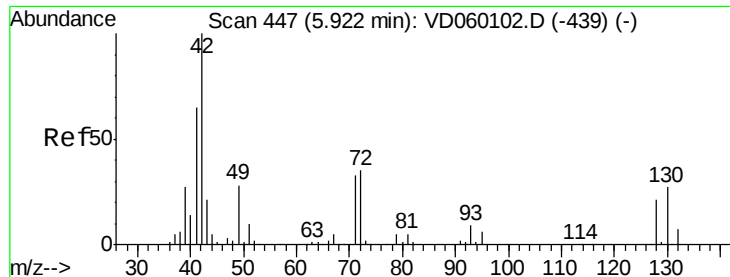


#28

Bromochloromethane
Concen: 22.005 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 49 Resp: 299343
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.6
130 65.9 53.9 80.9

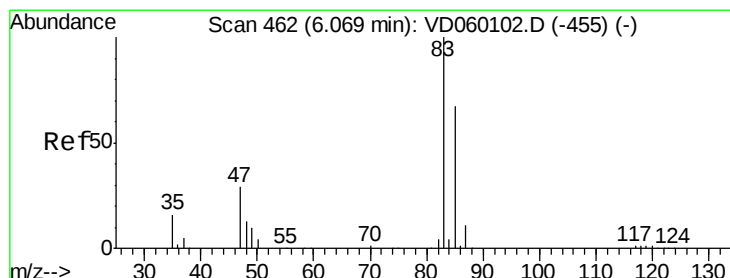
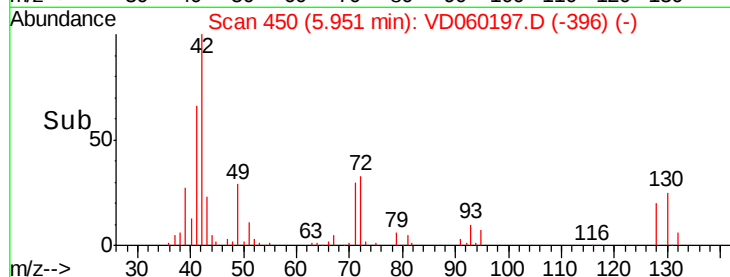
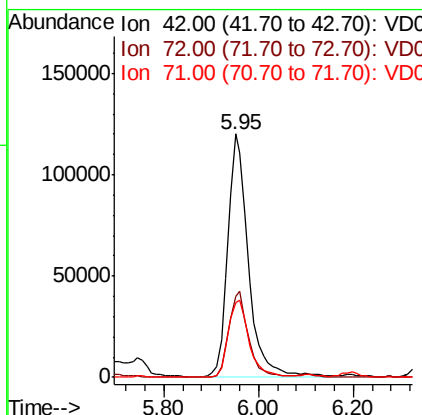
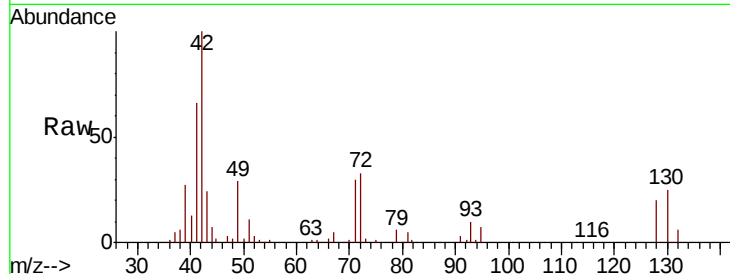




#29
Tetrahydrofuran
Concen: 112.439 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

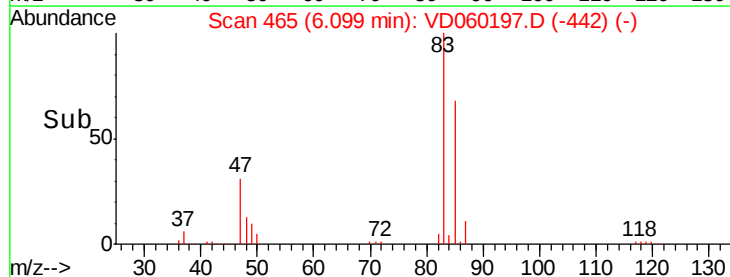
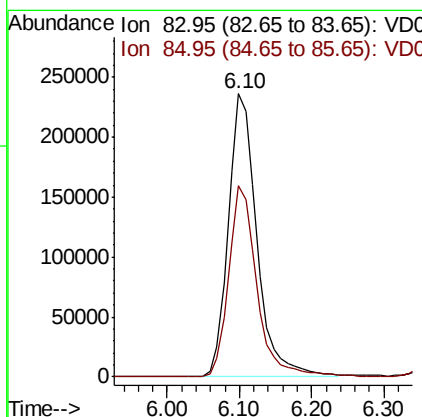
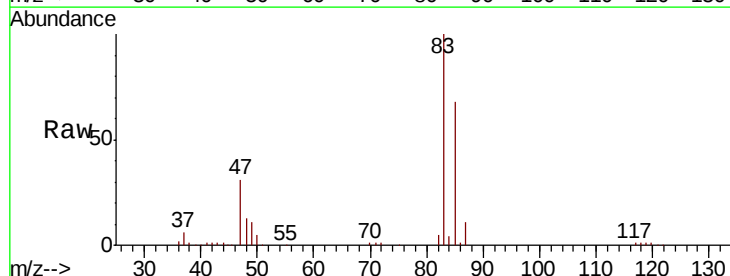
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

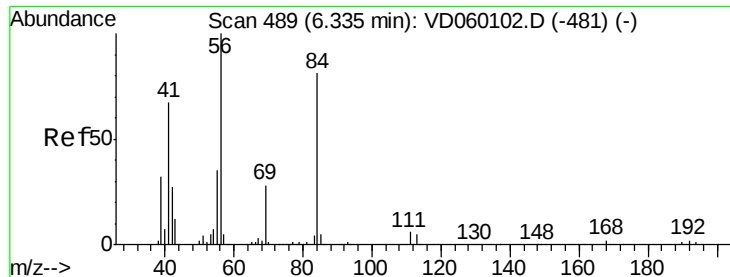
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	26.9	40.3
71	31.8	26.7	40.1



#30
Chloroform
Concen: 23.020 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.8	80.8

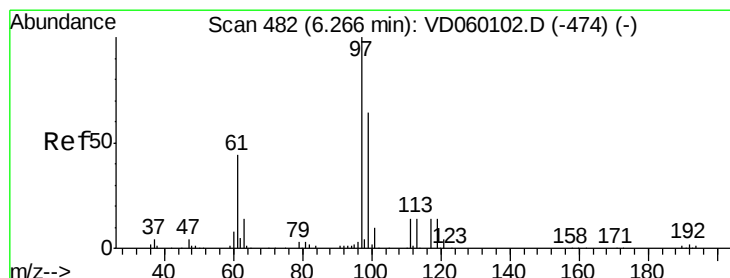
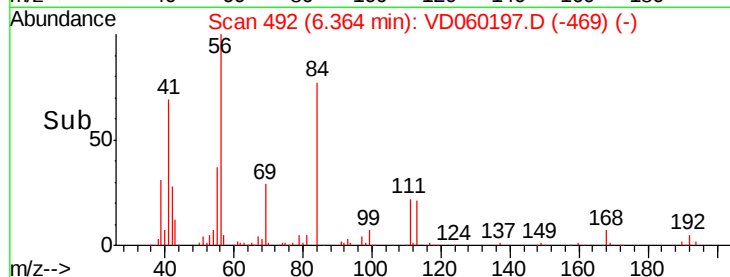
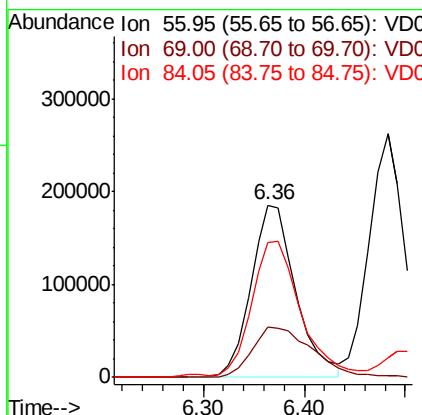
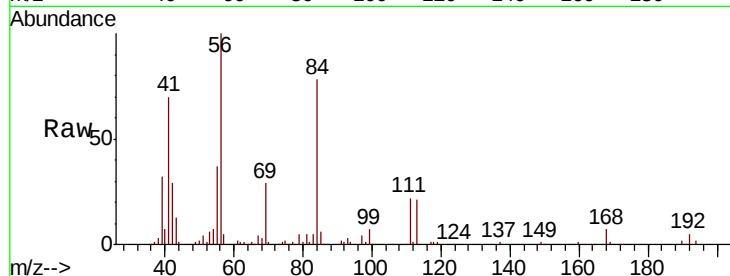




#31
Cyclohexane
Concen: 21.213 ug/l
RT: 6.36 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

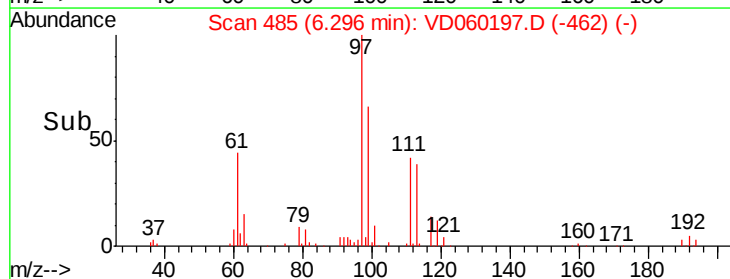
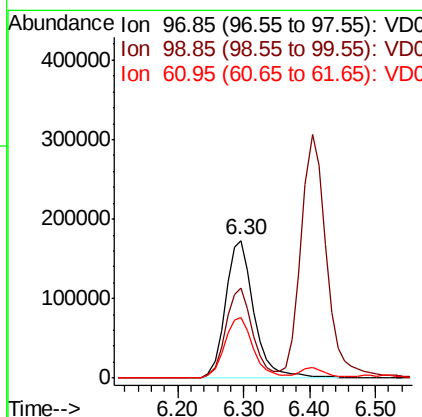
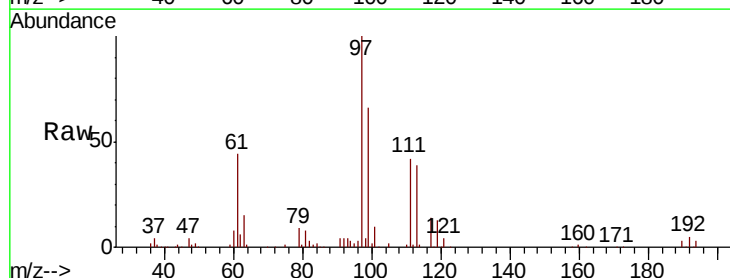
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

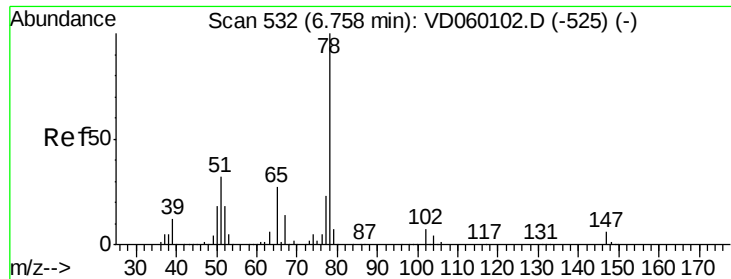
Tot Ion: 56 Resp: 568444
Ion Ratio Lower Upper
56 100
69 29.2 22.8 34.2
84 78.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 22.598 ug/l
RT: 6.30 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 97 Resp: 524265
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.0
61 43.7 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 22.598 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

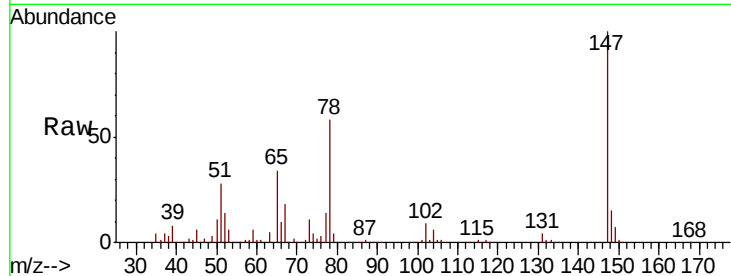
VD1025SBS01

Tot Ion: 65 Resp: 652022

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

250000

200000

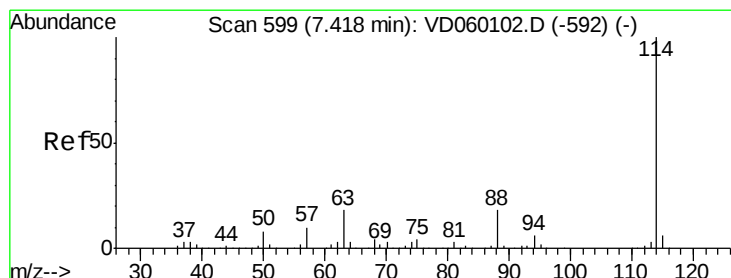
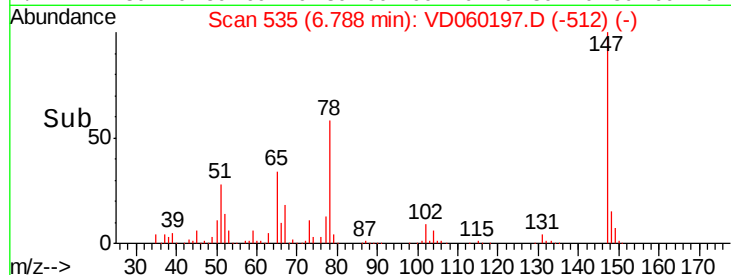
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

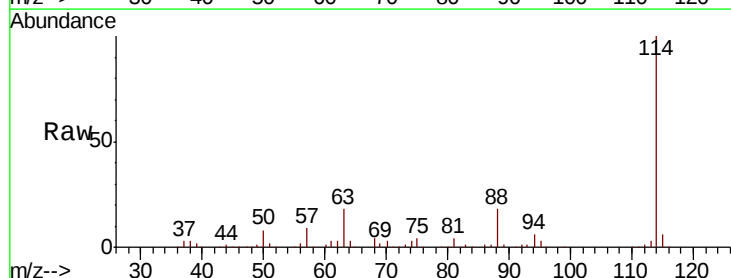
Tgt Ion:114 Resp: 2314919

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 18.1 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.45

1200000

1000000

800000

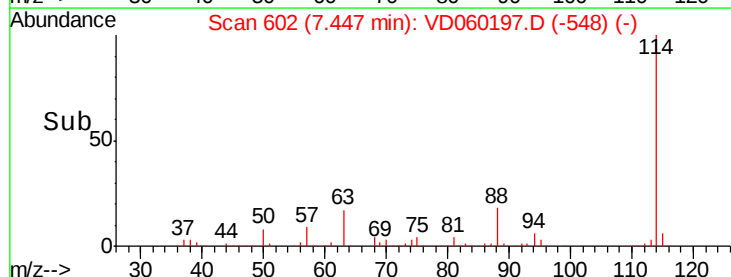
600000

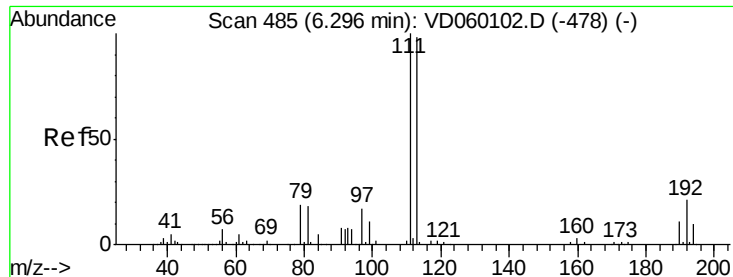
400000

200000

0

Time-->

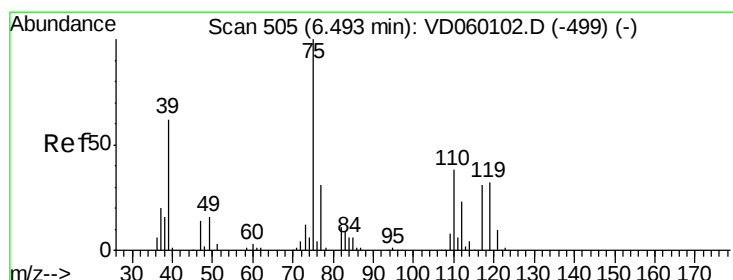
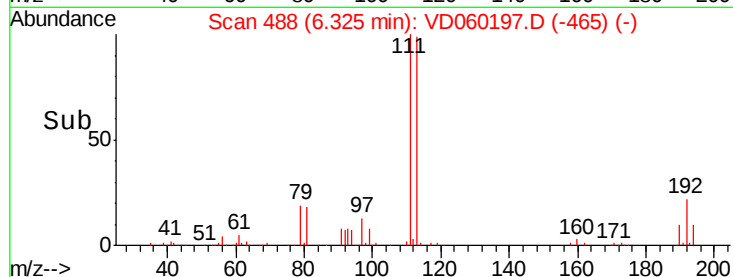
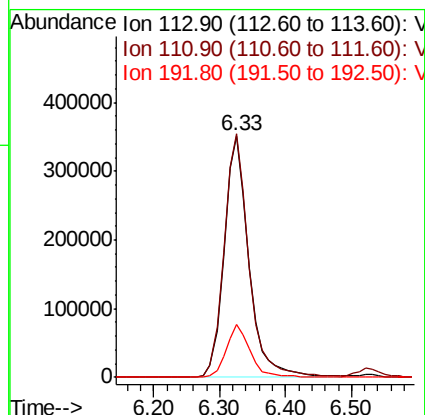
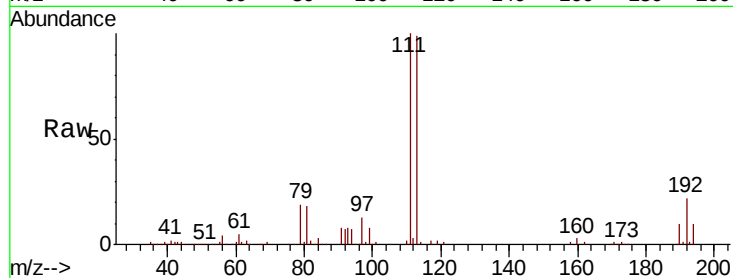




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

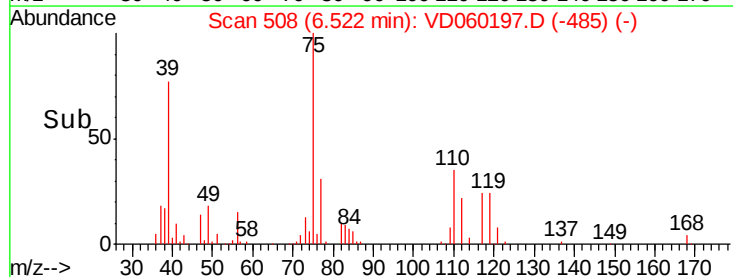
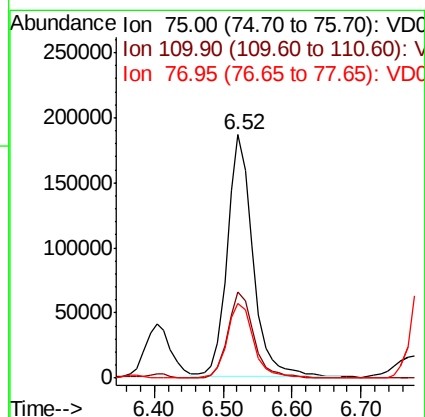
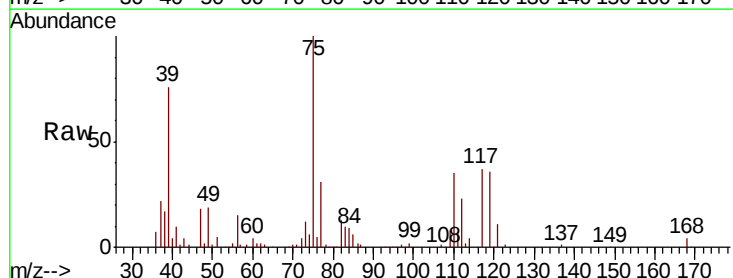
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

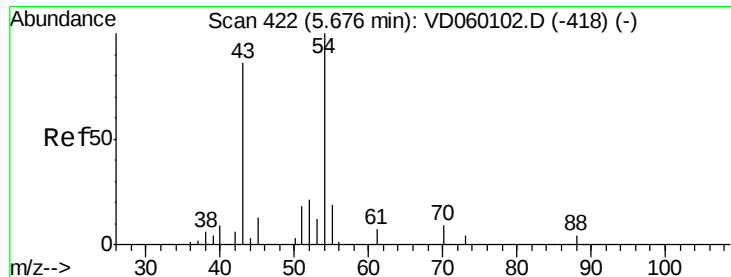
Tot Ion:113 Resp: 918805
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.5 122.3
 192 21.8 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 21.525 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 75 Resp: 476159
 Ion Ratio Lower Upper
 75 100
 110 35.3 19.0 57.0
 77 30.8 24.9 37.3





#37

Ethyl Acetate

Concen: 21.990 ug/l

RT: 5.70 min Scan# 424

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

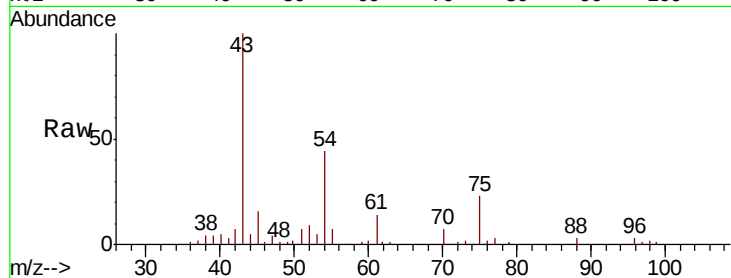
Tot Ion: 43 Resp: 322886

Ion Ratio Lower Upper

43 100

61 14.2 10.5 15.7

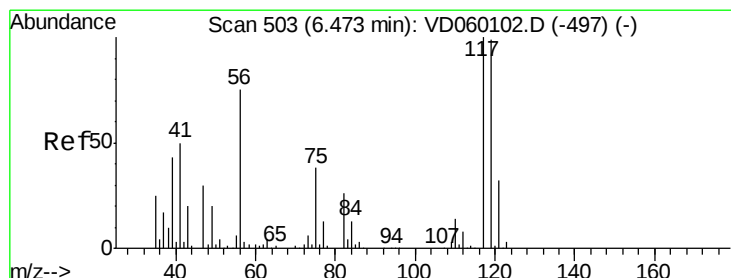
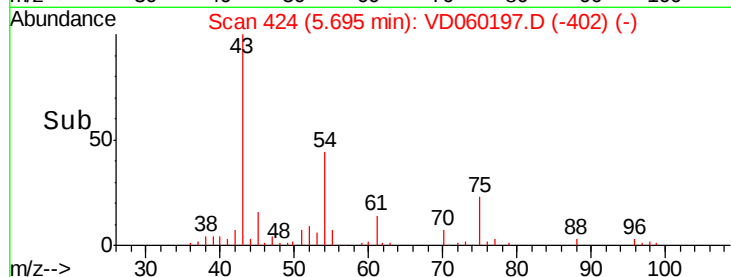
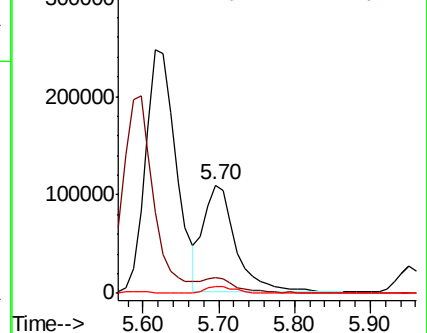
70 6.6 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 22.072 ug/l

RT: 6.49 min Scan# 505

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

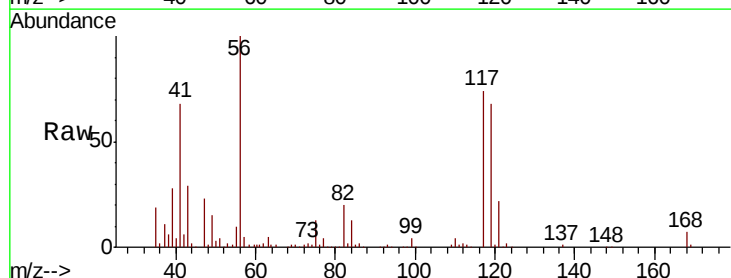
Tgt Ion: 117 Resp: 443156

Ion Ratio Lower Upper

117 100

119 92.3 77.8 116.6

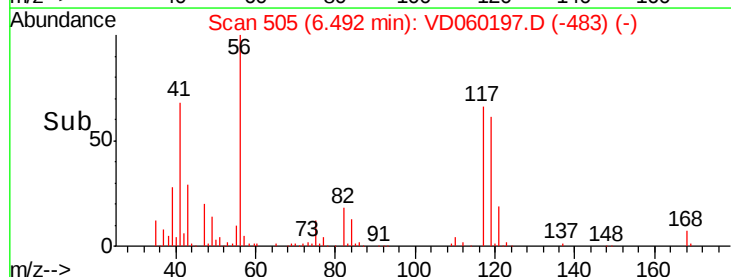
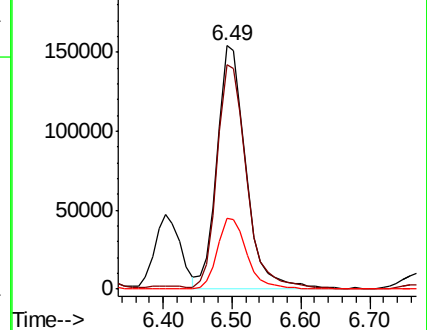
121 29.2 24.8 37.2

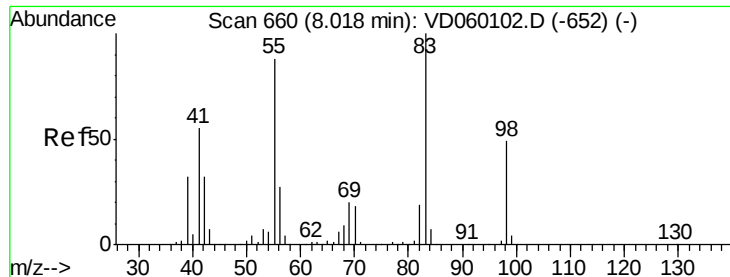


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

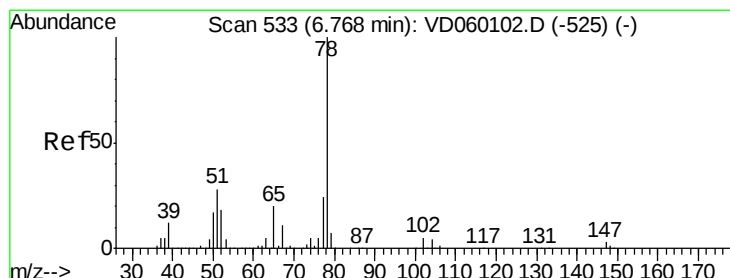
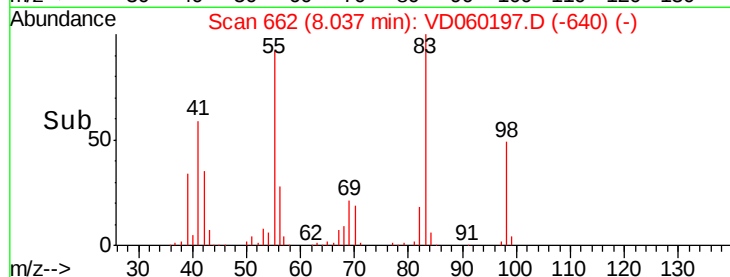
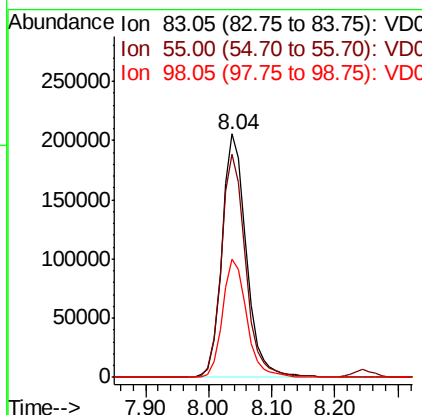
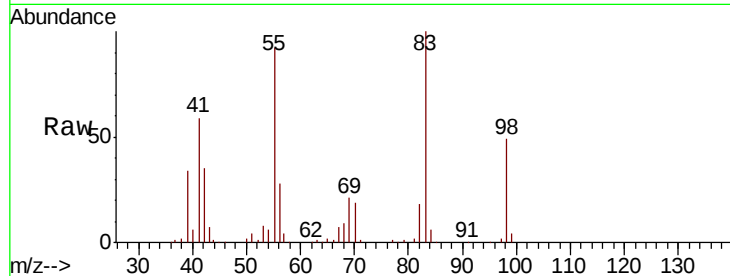




#39
Methvlcvclohexane
Concen: 21.942 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

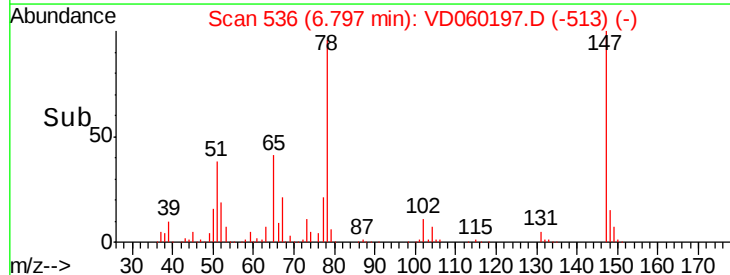
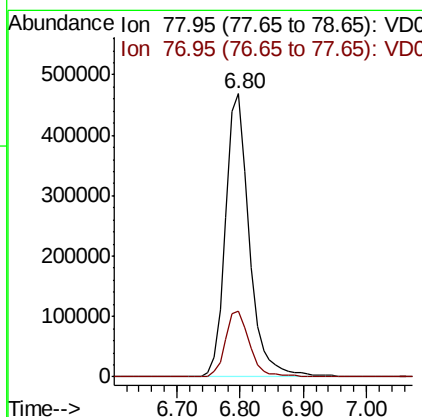
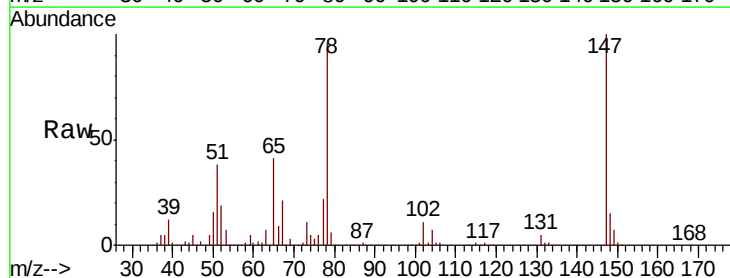
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

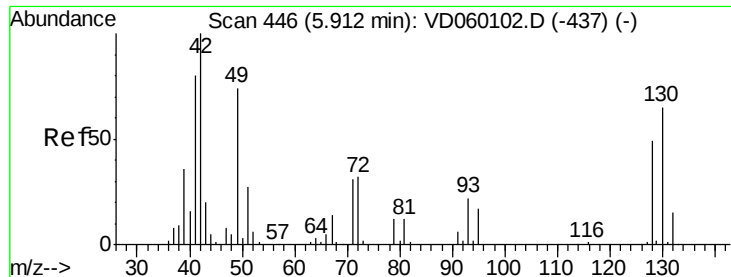
Tot Ion: 83 Resp: 551487
Ion Ratio Lower Upper
83 100
55 91.9 70.5 105.7
98 48.7 39.4 59.2



#40
Benzene
Concen: 21.167 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 78 Resp: 1224990
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4





#41

Methacrylonitrile

Concen: 44.109 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 41 Resp: 366071

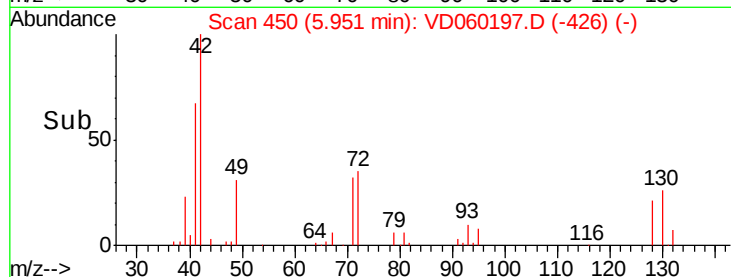
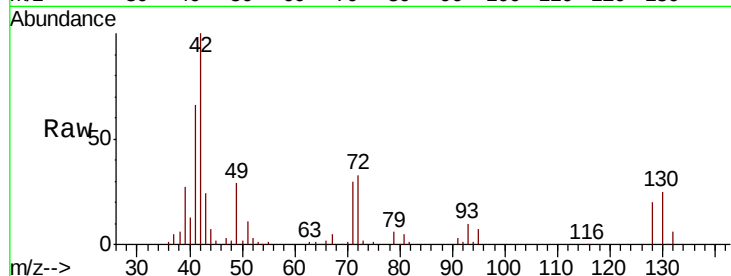
Ion Ratio Lower Upper

41 100

39 40.4 36.0 54.0

67 8.0 13.9 20.9#

52 3.9 6.1 9.1#

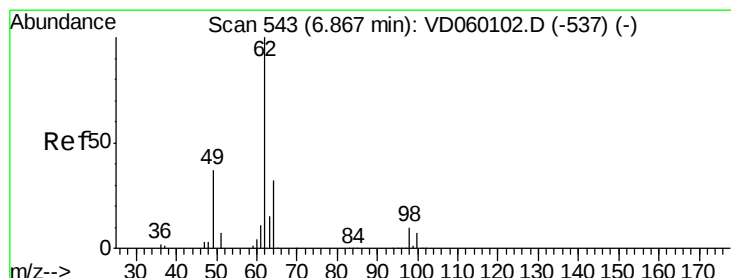
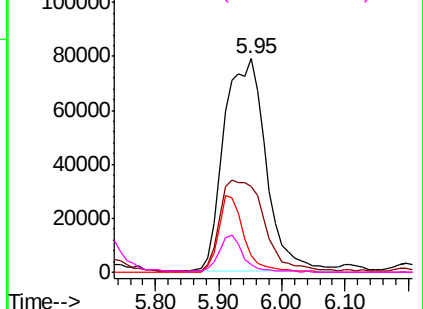


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.223 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060197.D

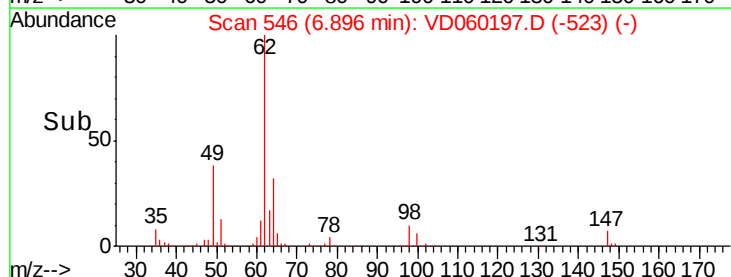
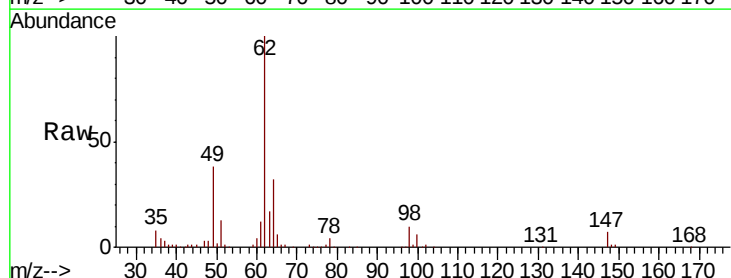
Acq: 25 Oct 2018 16:14

Tgt Ion: 62 Resp: 368716

Ion Ratio Lower Upper

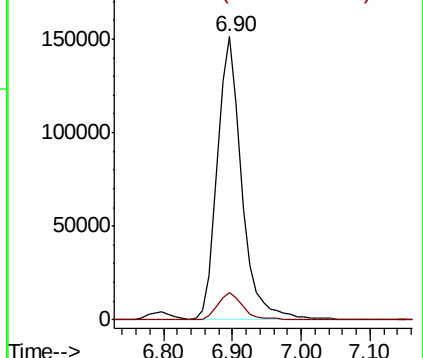
62 100

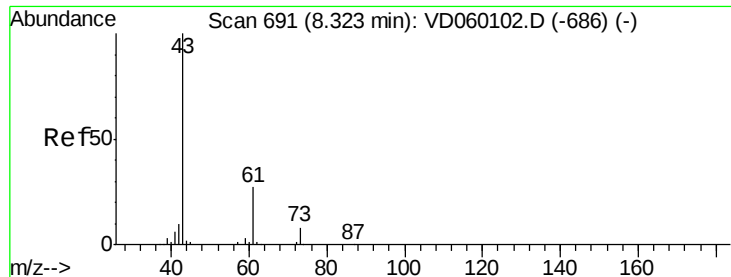
98 9.8 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



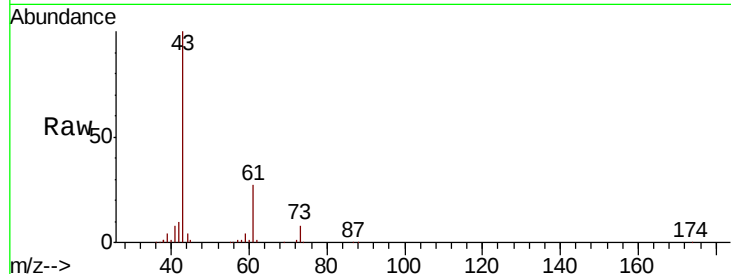


#43

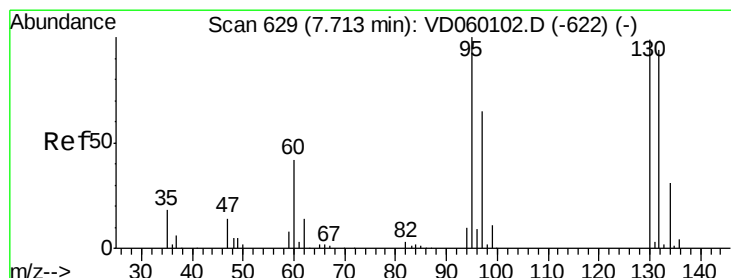
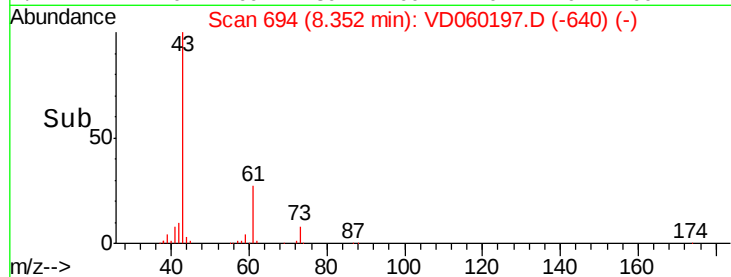
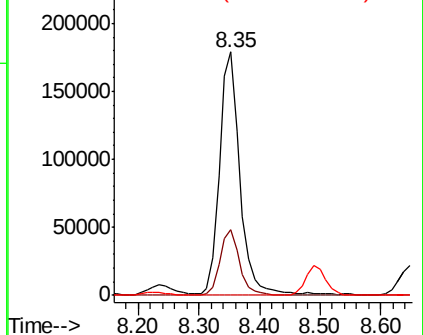
Isopropyl Acetate
 Concen: 21.338 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion: 43 Resp: 412198
 Ion Ratio Lower Upper
 43 100
 61 26.9 21.4 32.2
 87 0.2 0.2 0.2



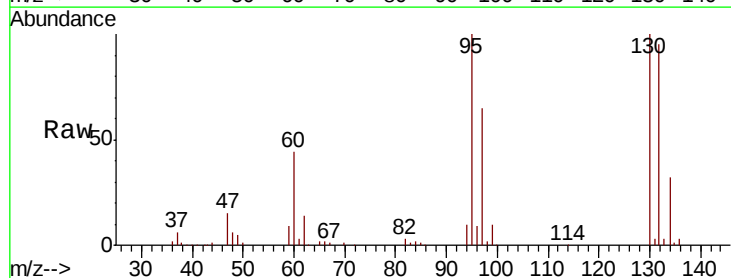
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



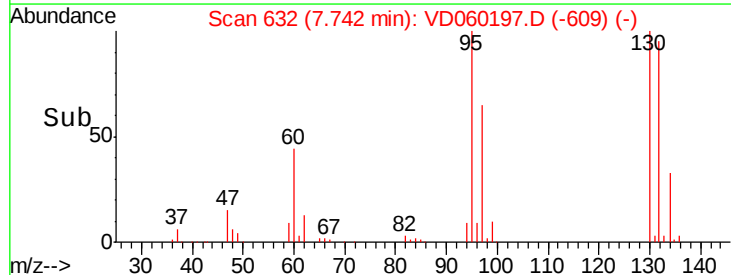
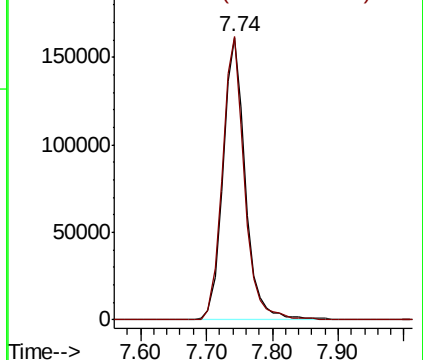
#44

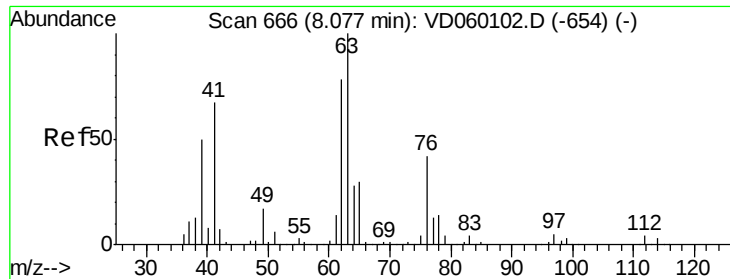
Trichloroethene
 Concen: 21.244 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 130 Resp: 380584
 Ion Ratio Lower Upper
 130 100
 95 100.3 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 22.141 ug/l

RT: 8.11 min Scan# 669

Delta R.T. 0.03 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

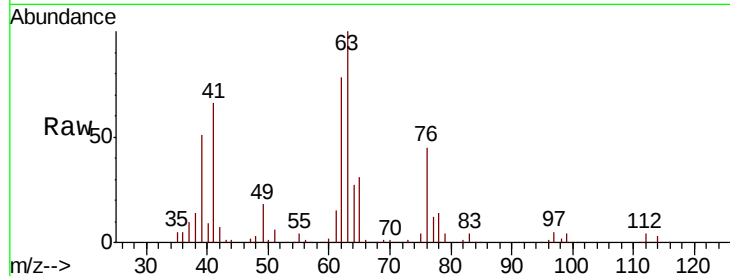
VD1025SBS01

Tot Ion: 63 Resp: 335515

Ion Ratio Lower Upper

63 100

65 30.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

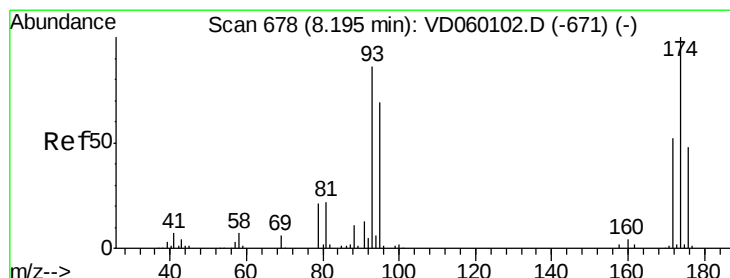
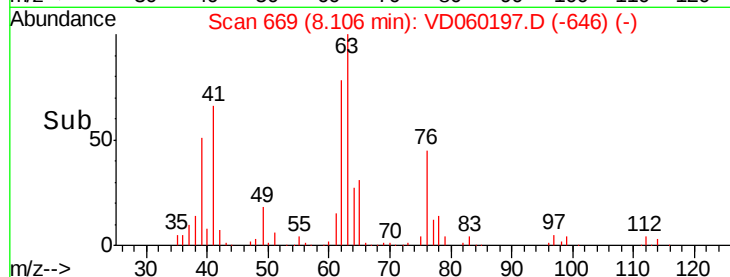
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 21.195 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

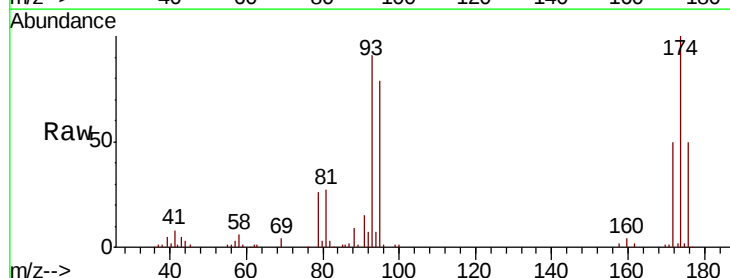
Tgt Ion: 93 Resp: 207932

Ion Ratio Lower Upper

93 100

95 86.7 63.8 95.6

174 109.4 92.9 139.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

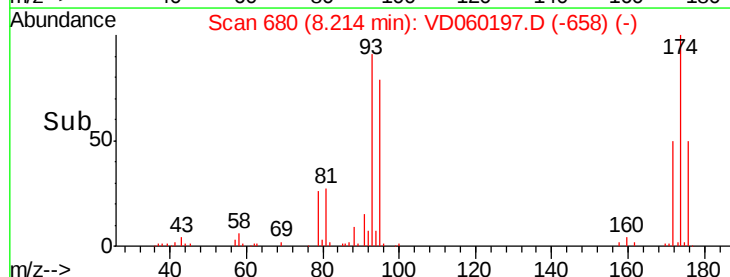
8.21

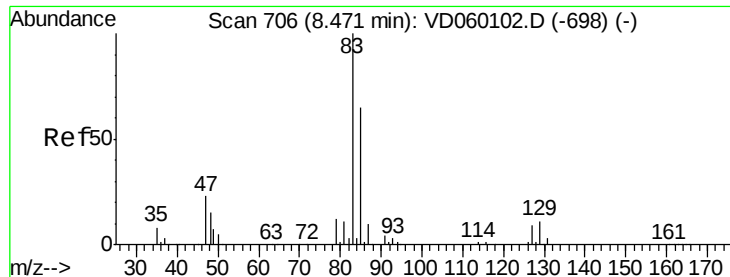
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 22.985 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

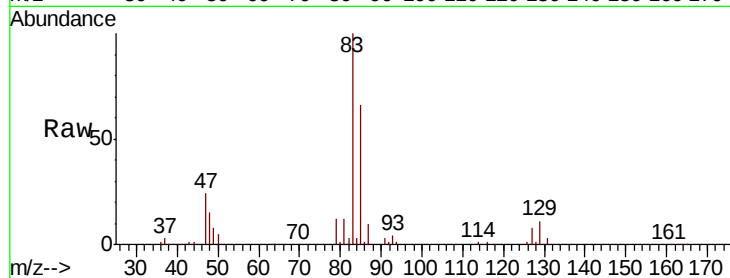
Tot Ion: 83 Resp: 480470

Ion Ratio Lower Upper

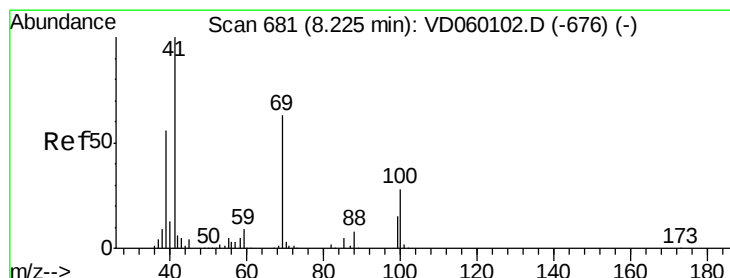
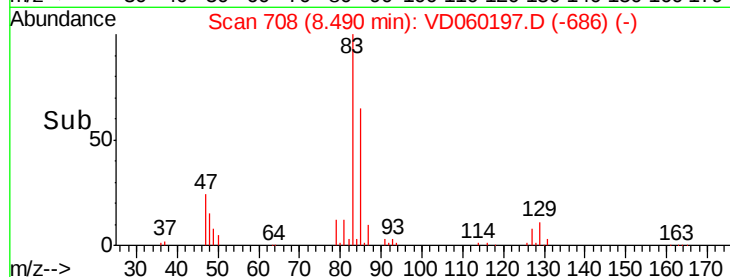
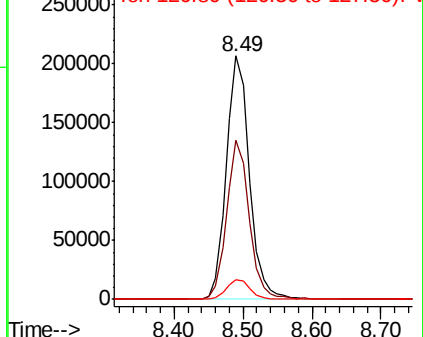
83 100

85 65.6 52.2 78.2

127 8.2 7.4 11.0



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: 22.169 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

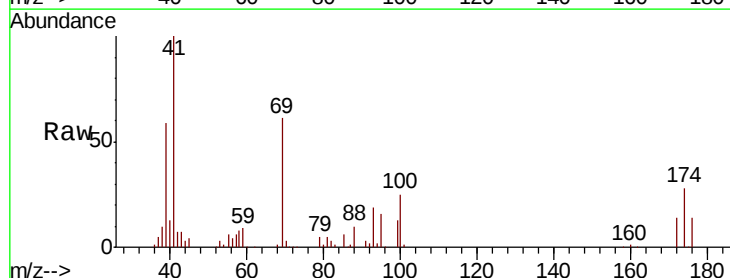
Tgt Ion: 41 Resp: 243930

Ion Ratio Lower Upper

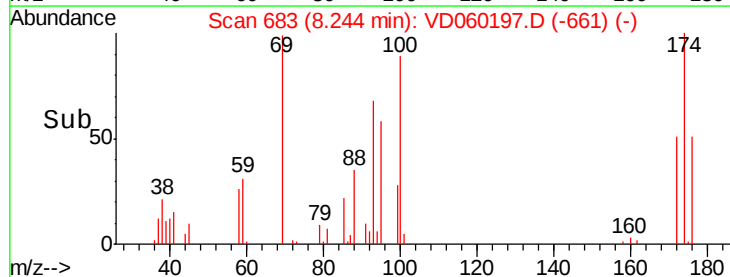
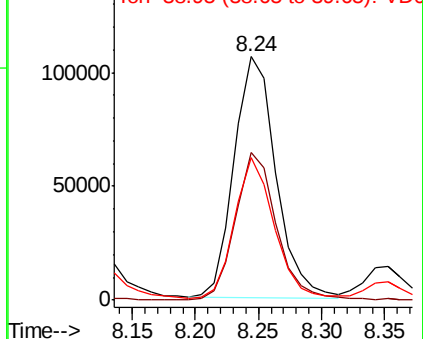
41 100

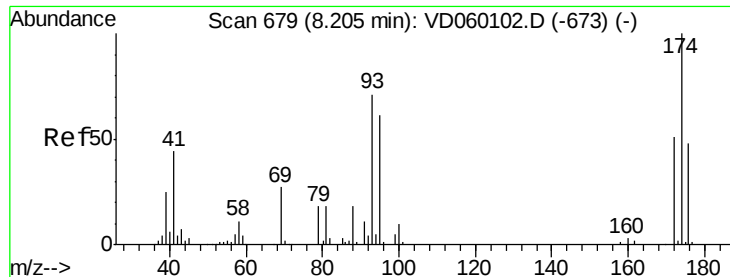
69 60.7 49.7 74.5

39 58.7 45.2 67.8



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

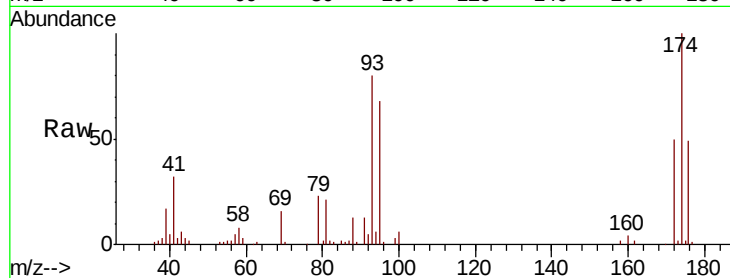




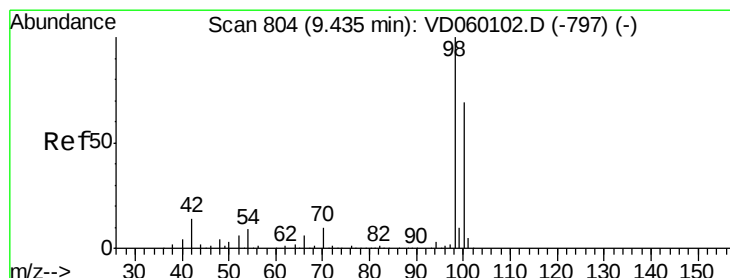
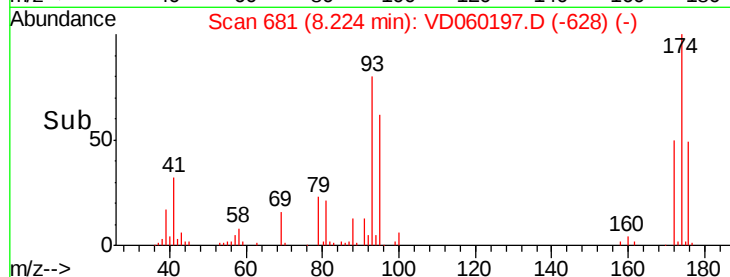
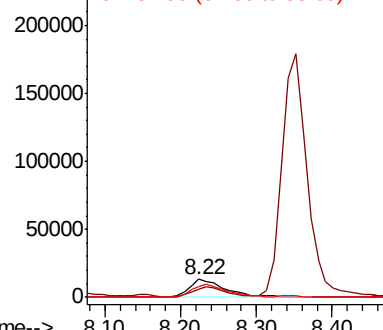
#49
1,4-Dioxane
Concen: 407.547 ug/l
RT: 8.22 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 88 Resp: 44123
Ion Ratio Lower Upper
88 100
43 45.5 33.7 50.5
58 62.5 49.1 73.7

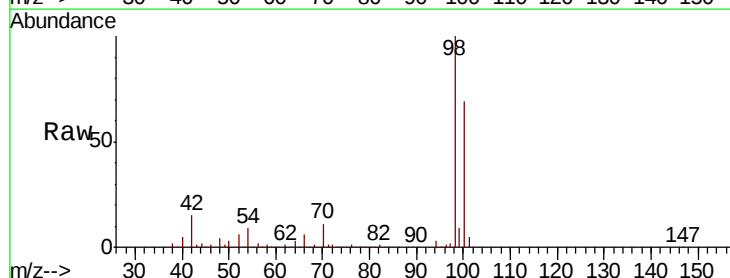


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

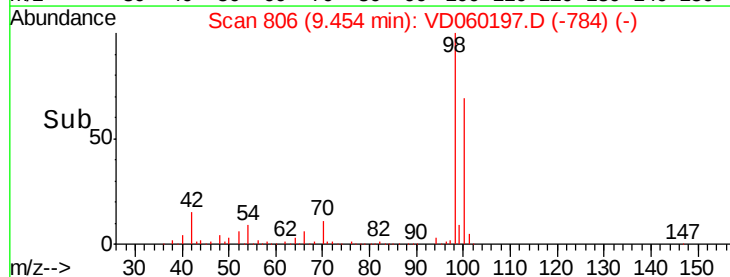
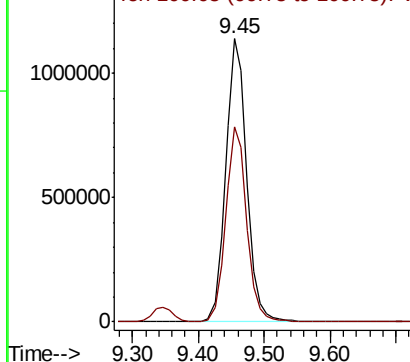


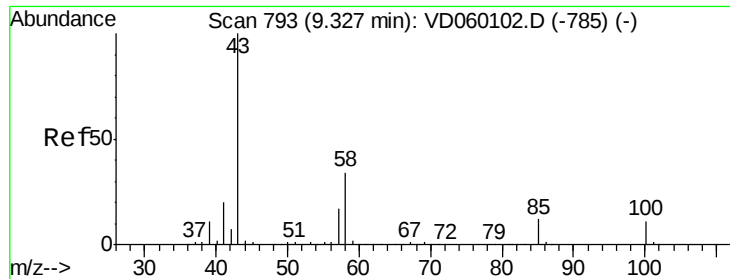
#50
Toluene-d8
Concen: 407.547 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 98 Resp: 2537497
Ion Ratio Lower Upper
98 100
100 68.8 55.4 83.0



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: 111.594 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

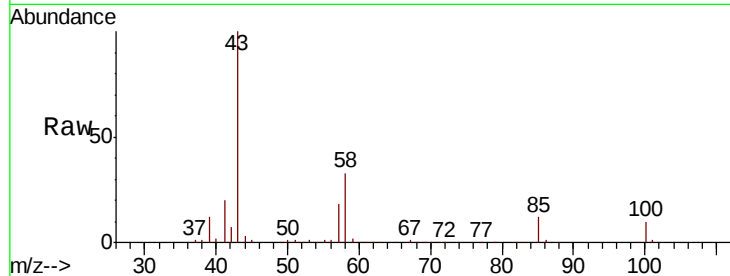
VD1025SBS01

Tot Ion: 43 Resp: 1359659

Ion Ratio Lower Upper

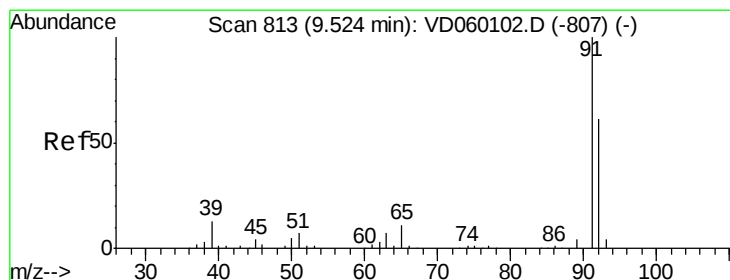
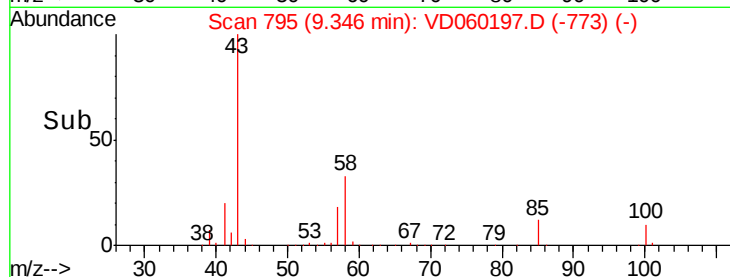
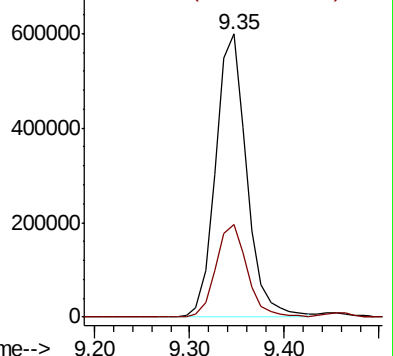
43 100

58 32.8 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.131 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060197.D

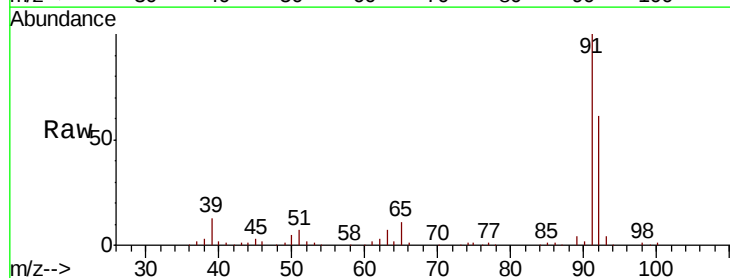
Acq: 25 Oct 2018 16:14

Tgt Ion: 92 Resp: 824875

Ion Ratio Lower Upper

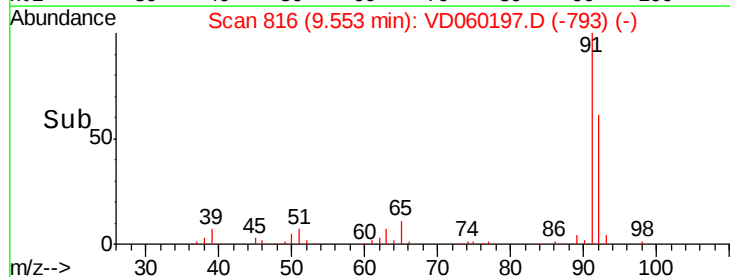
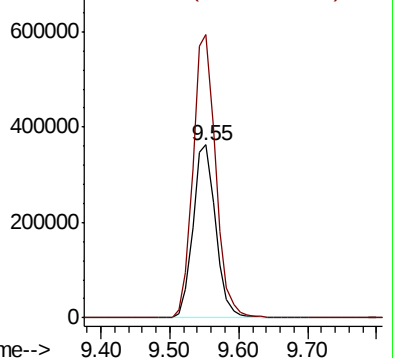
92 100

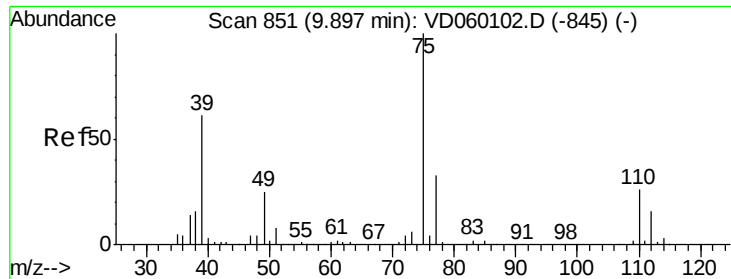
91 163.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 22.367 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

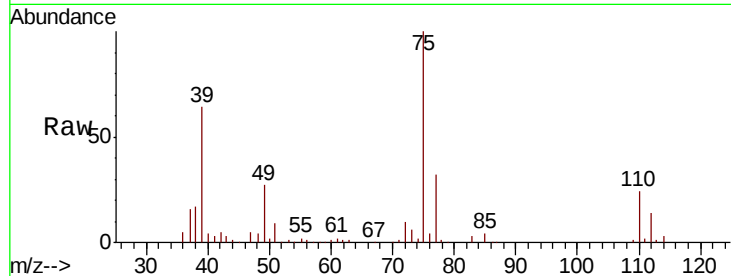
VD1025SBS01

Tot Ion: 75 Resp: 423065

Ion Ratio Lower Upper

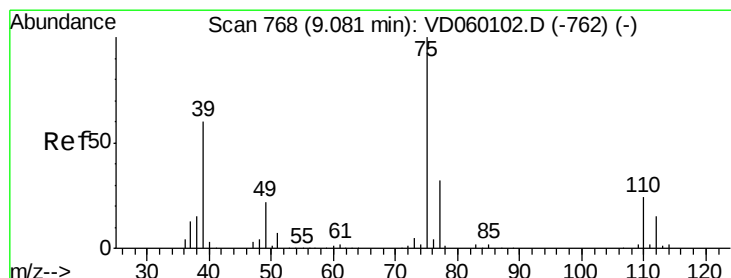
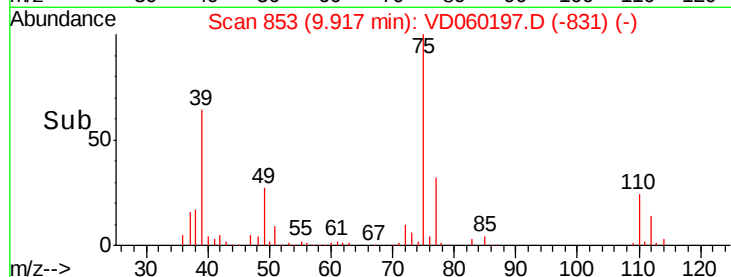
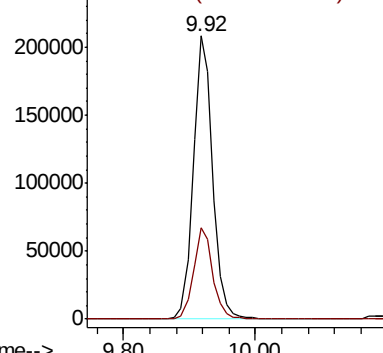
75 100

77 32.3 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: 22.652 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

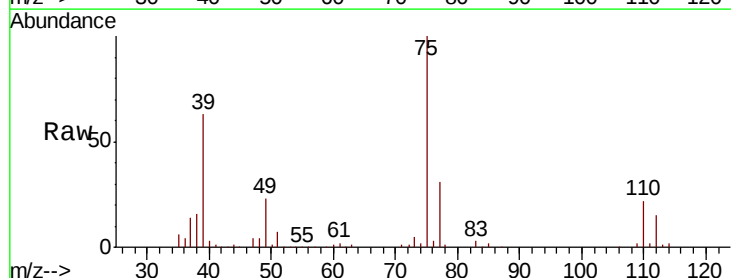
Tgt Ion: 75 Resp: 529085

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

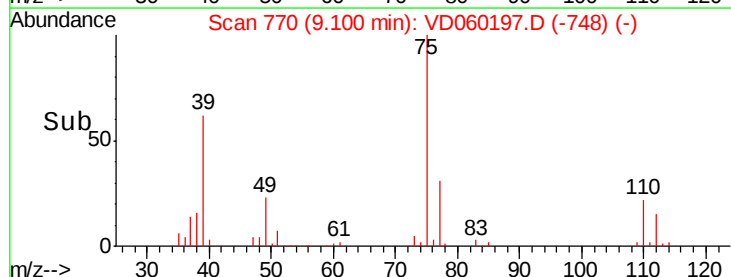
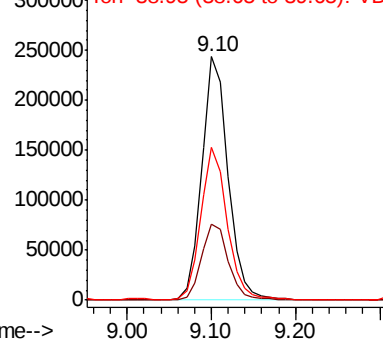
39 62.9 48.2 72.4

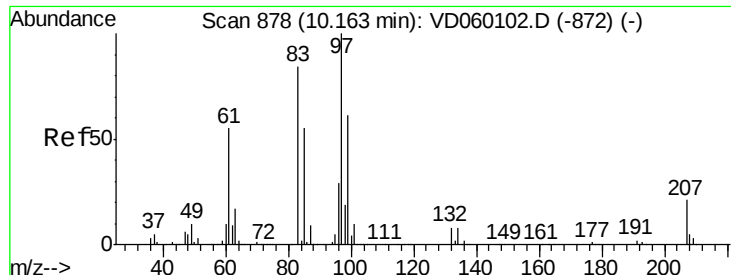


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

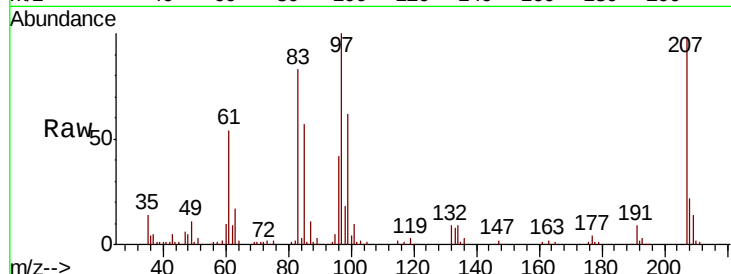




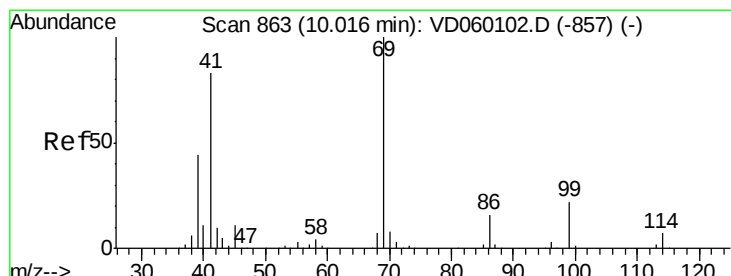
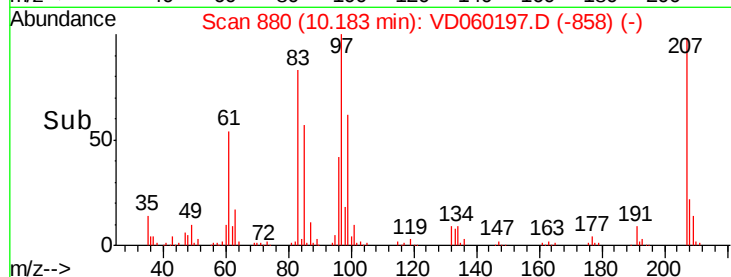
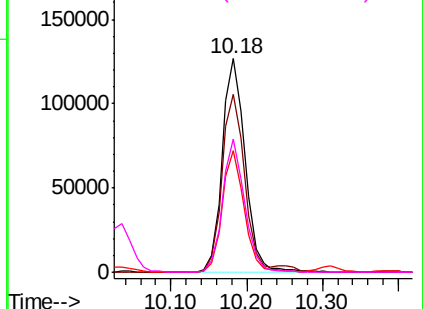
#55
 1,1,2-Trichloroethane
 Concen: 21.791 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:	97	Resp:	265514
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	57.1	43.9	65.9
99	62.2	49.1	73.7

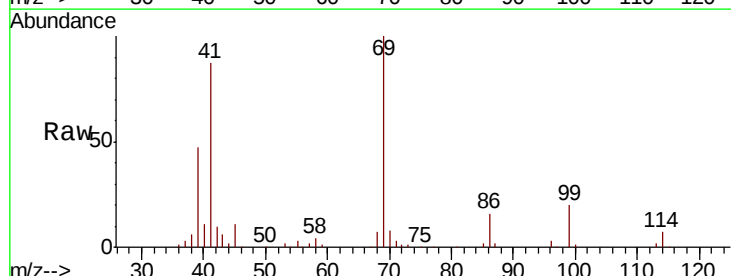


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

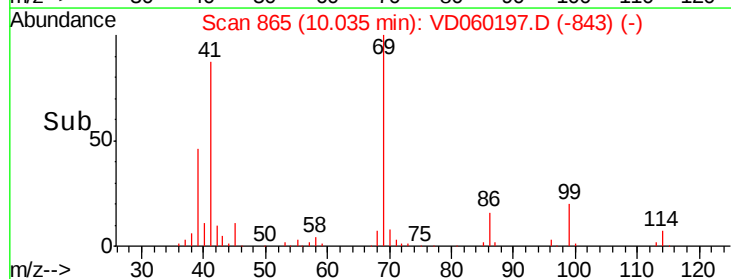
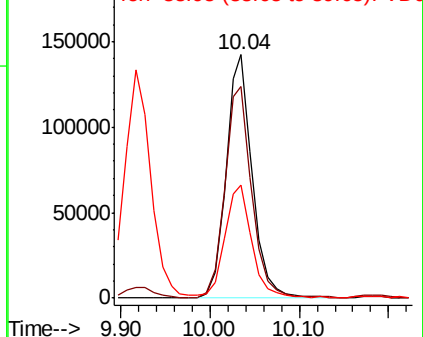


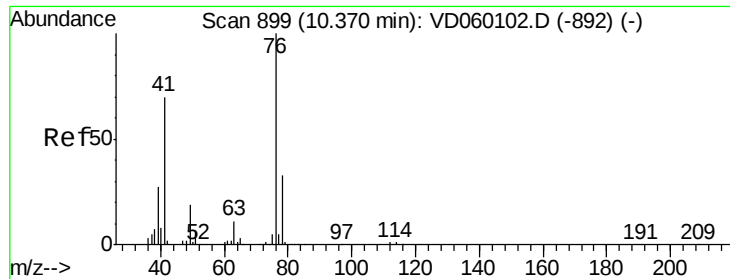
#56
 Ethyl methacrylate
 Concen: 21.610 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion:	69	Resp:	290663
Ion	Ratio	Lower	Upper
69	100		
41	86.7	66.6	100.0
39	46.6	36.0	54.0



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: 21.841 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

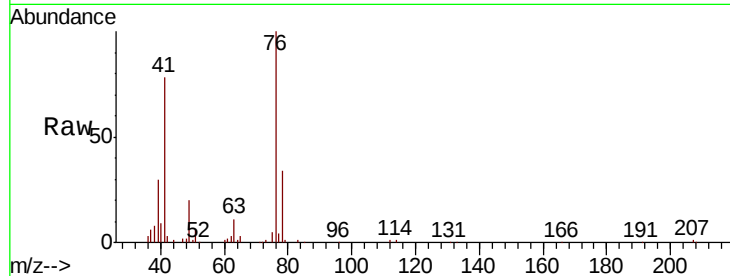
VD1025SBS01

Tot Ion: 76 Resp: 405867

Ion Ratio Lower Upper

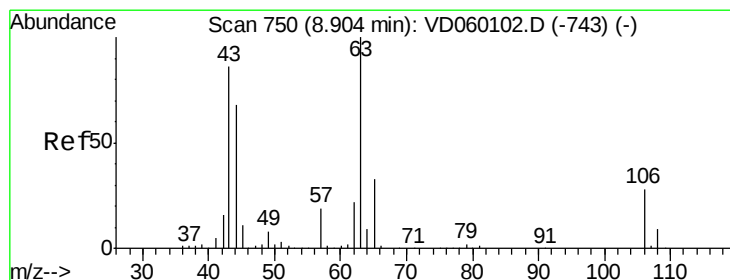
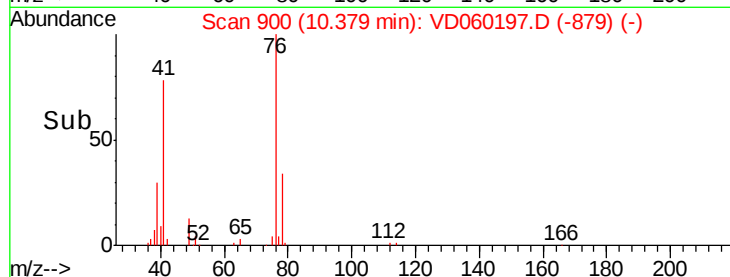
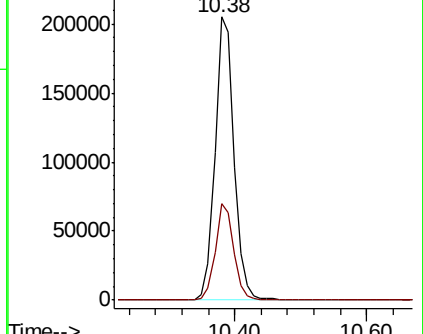
76 100

78 33.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.268 ug/l

RT: 8.92 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060197.D

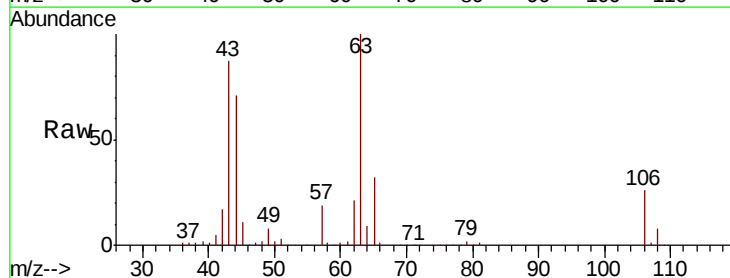
Acq: 25 Oct 2018 16:14

Tgt Ion: 63 Resp: 838523

Ion Ratio Lower Upper

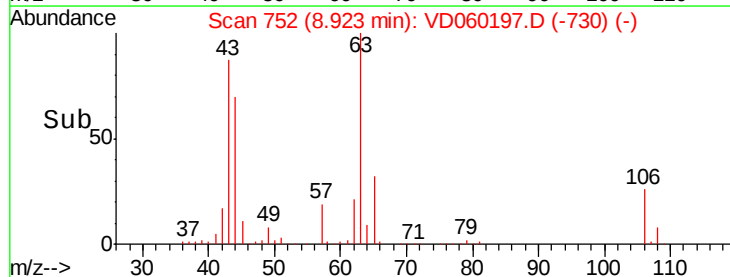
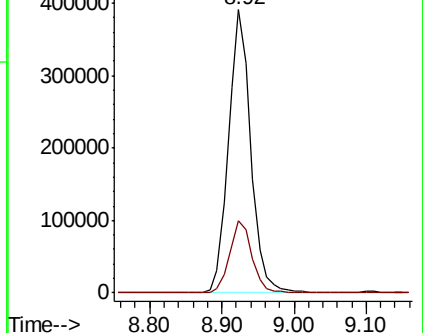
63 100

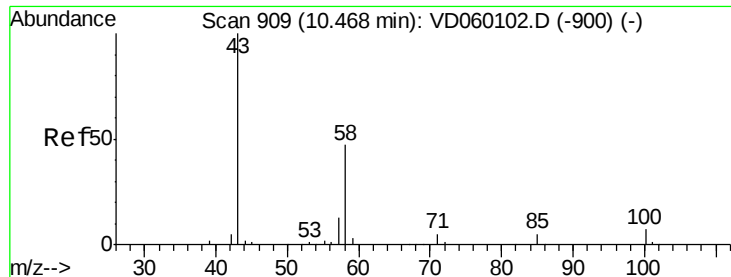
106 25.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

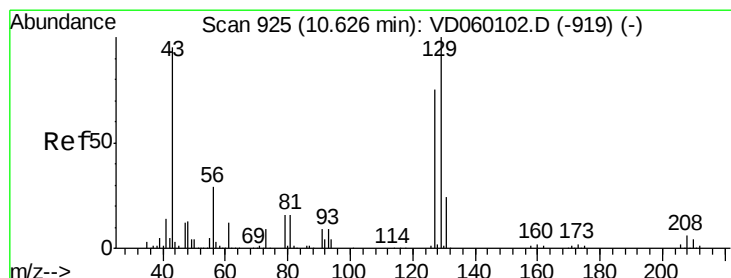
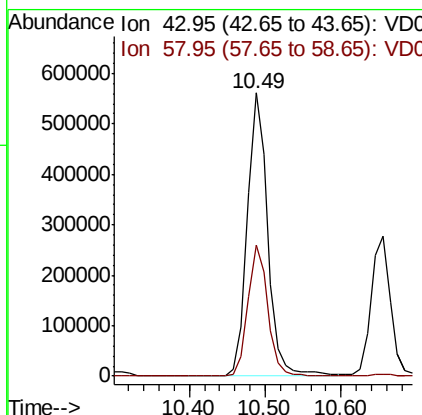
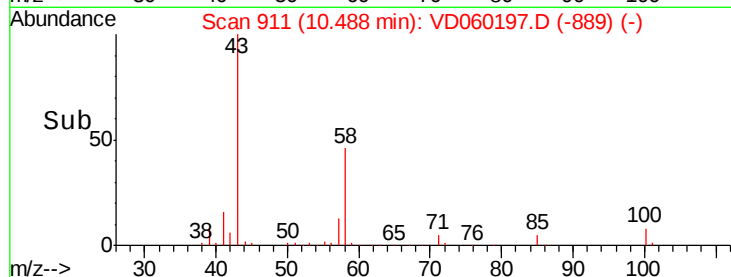
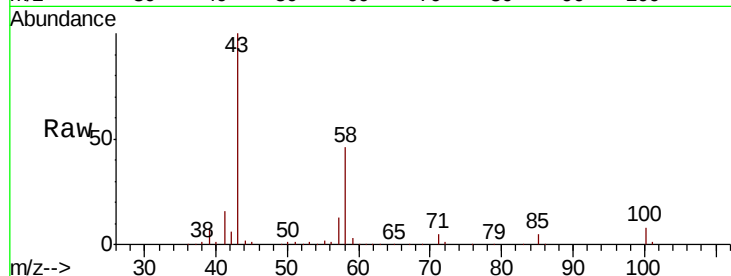




#59
2-Hexanone
Concen: 120.317 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

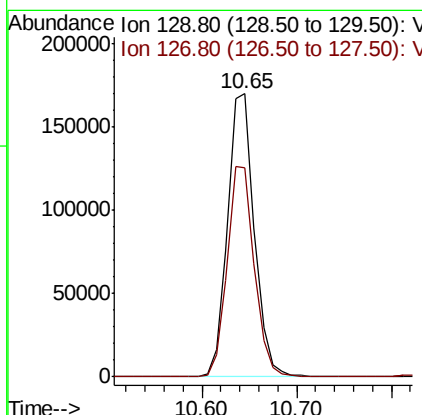
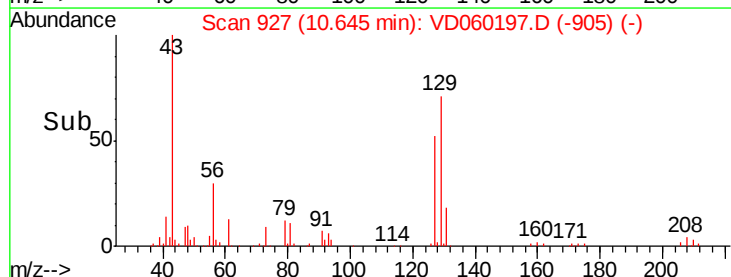
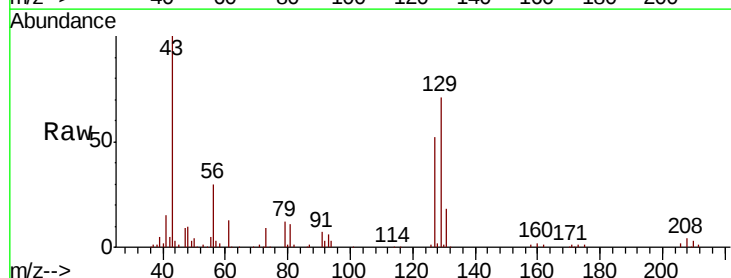
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

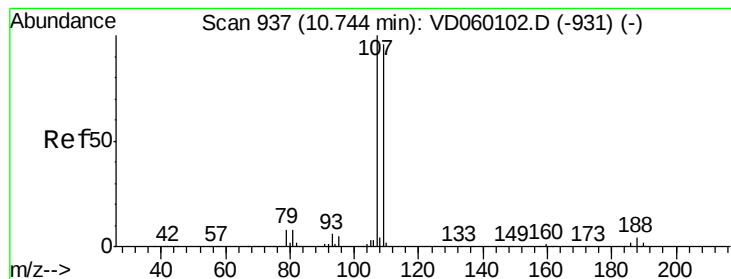
Tot Ion: 43 Resp: 1054130
Ion Ratio Lower Upper
43 100
58 46.3 23.3 69.9



#60
Dibromochloromethane
Concen: 22.233 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 129 Resp: 332384
Ion Ratio Lower Upper
129 100
127 73.9 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.213 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

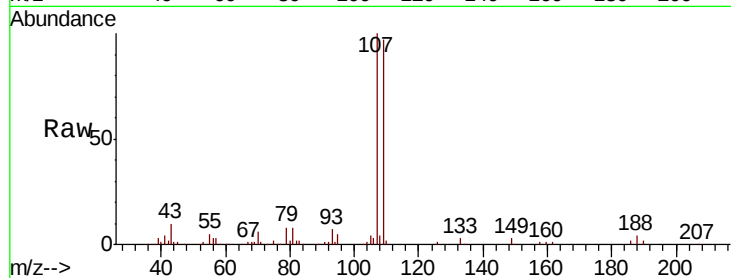
VD1025SBS01

Tot Ion:107 Resp: 274639

Ion Ratio Lower Upper

107 100

109 96.6 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

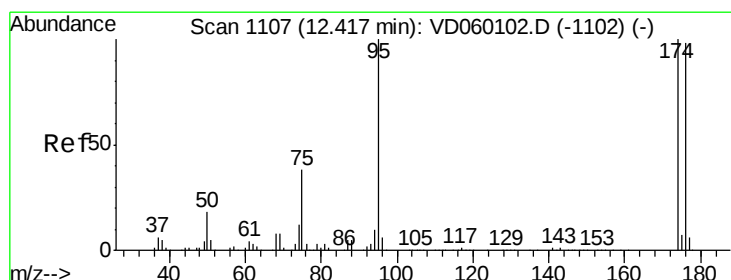
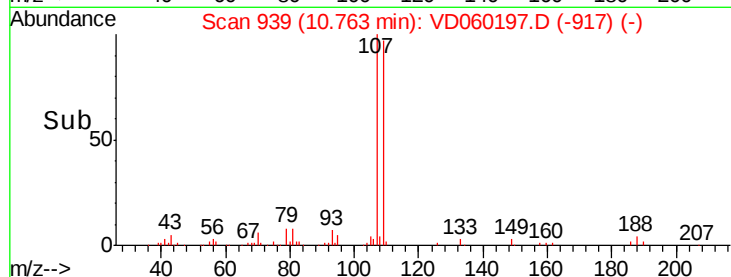
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 21.213 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

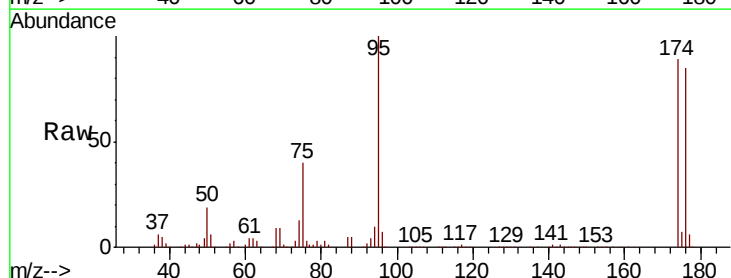
Tgt Ion: 95 Resp: 986435

Ion Ratio Lower Upper

95 100

174 89.0 0.0 200.2

176 85.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

1000000

800000

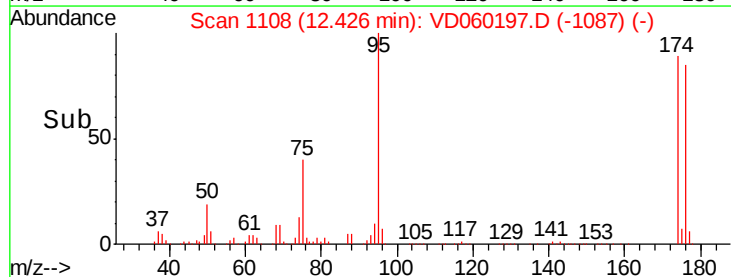
600000

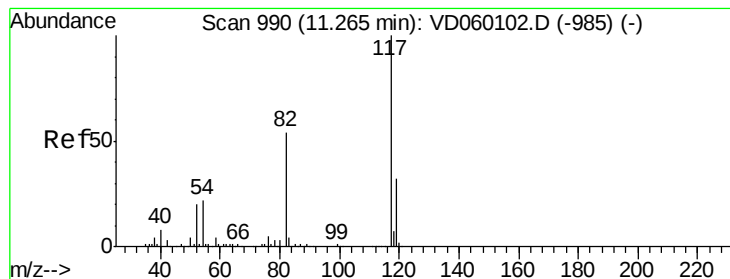
400000

200000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

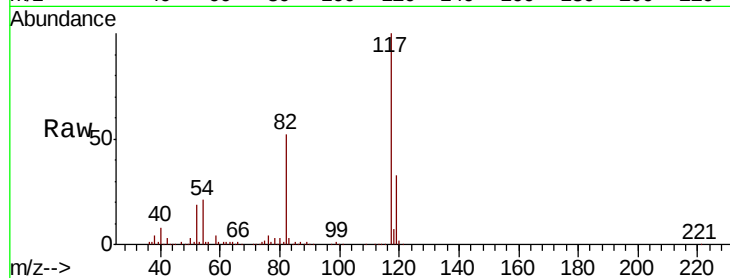
Tot Ion:117 Resp: 1864011

Ion Ratio Lower Upper

117 100

82 52.5 43.4 65.2

119 33.0 26.0 39.0

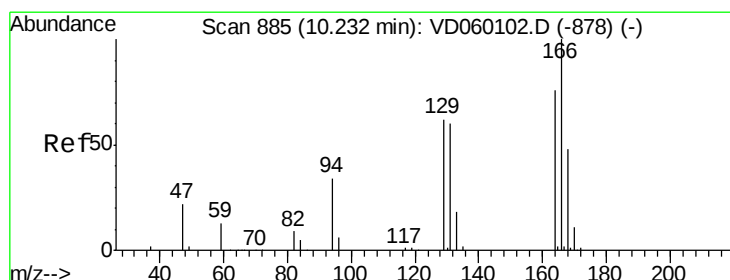
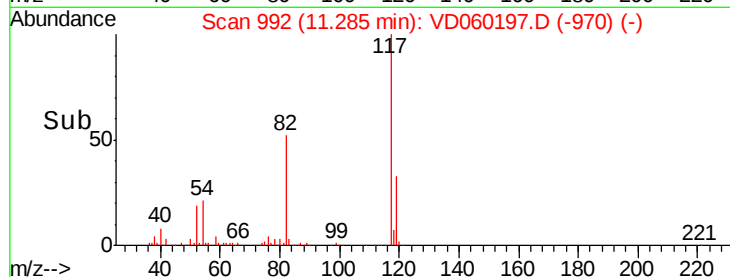
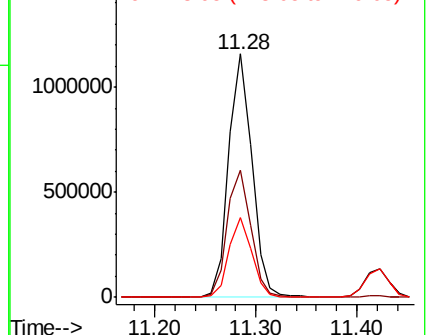


Abundance

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: 20.961 ug/l

RT: 10.25 min Scan# 887

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Tgt Ion:164 Resp: 342212

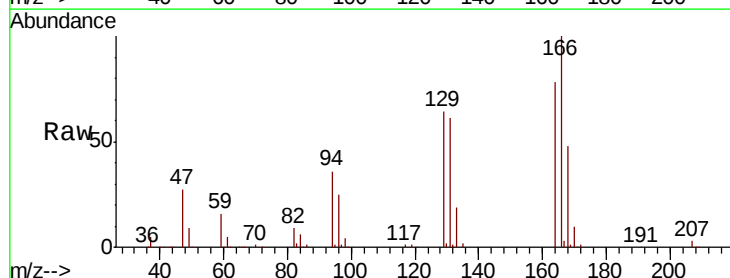
Ion Ratio Lower Upper

164 100

166 128.9 105.4 158.0

129 82.6 65.7 98.5

131 78.5 62.9 94.3



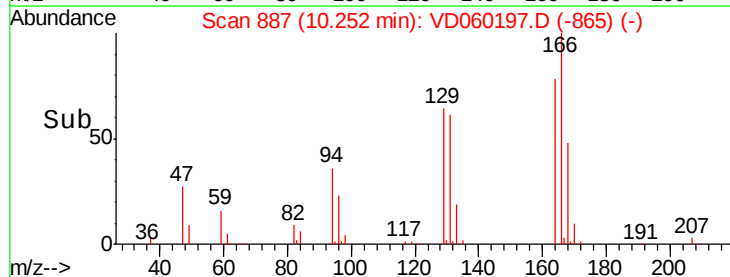
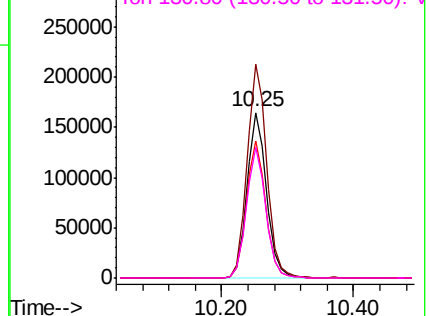
Abundance

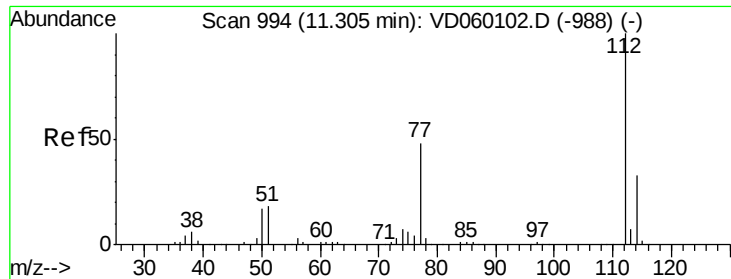
Ion 163.85 (163.55 to 164.55): V

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

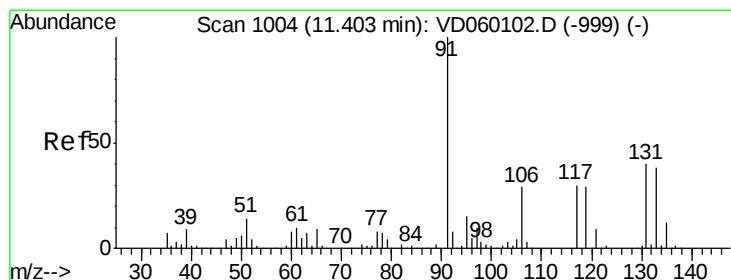
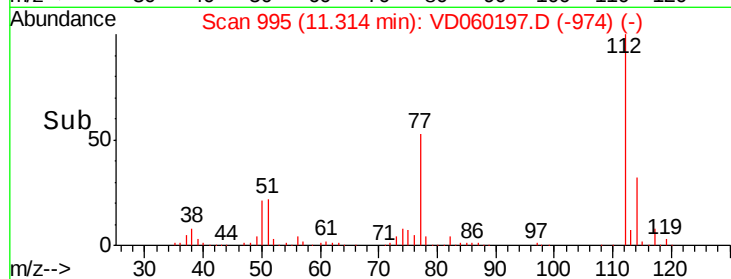
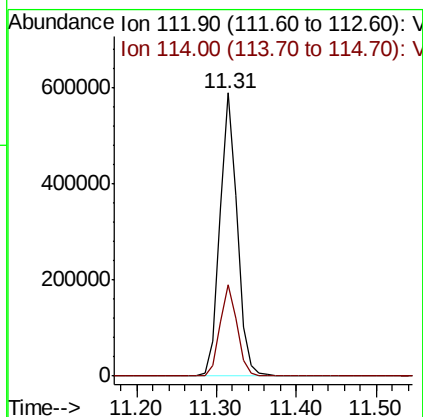
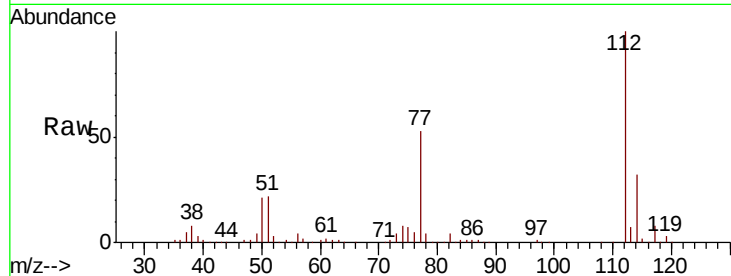




#65
Chlorobenzene
Concen: 22.513 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

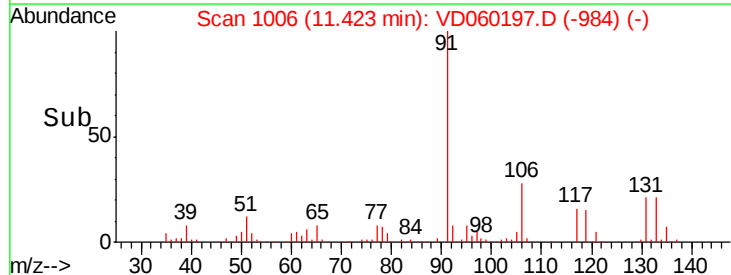
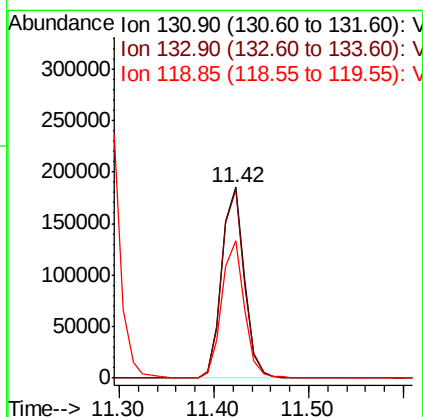
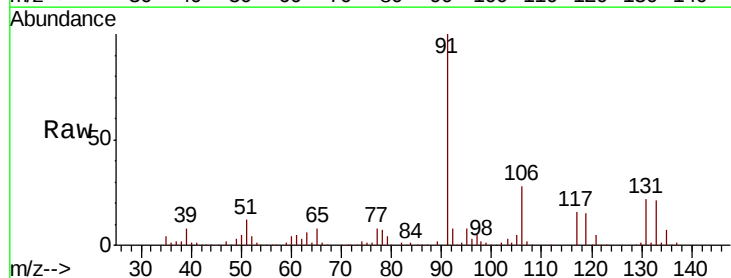
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:112 Resp: 907865
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.947 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion:131 Resp: 308697
Ion Ratio Lower Upper
131 100
133 98.7 47.4 142.3
119 71.9 36.1 108.3

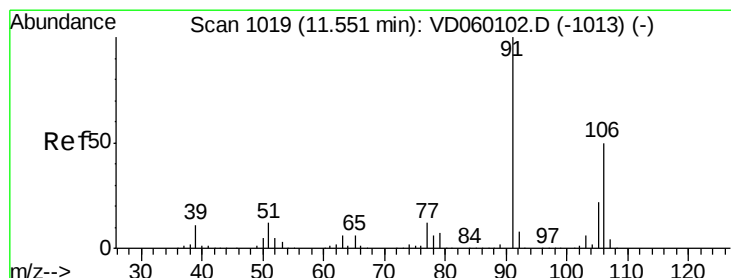
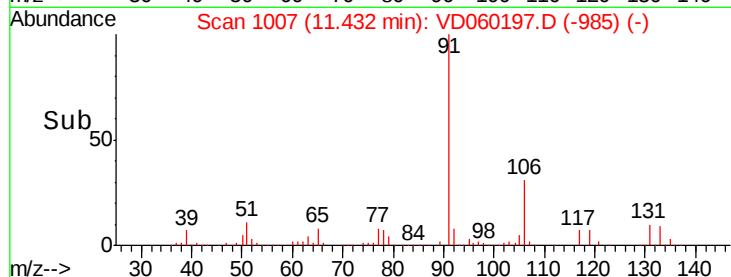
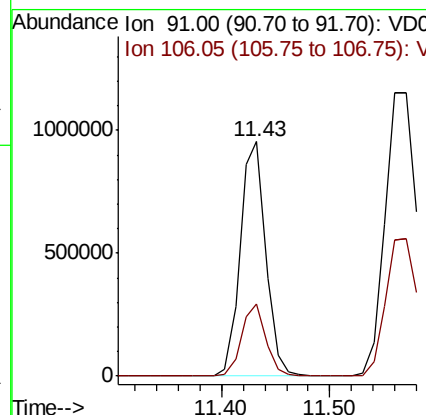
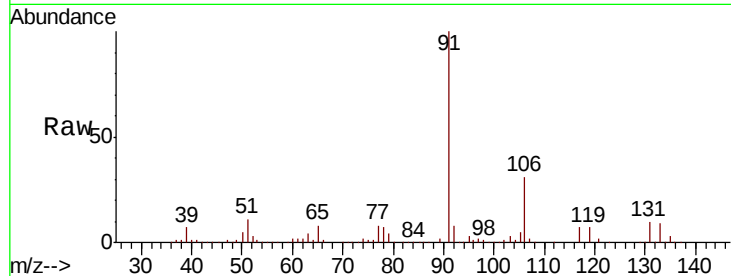




#67
Ethyl Benzene
Concen: 23.905 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

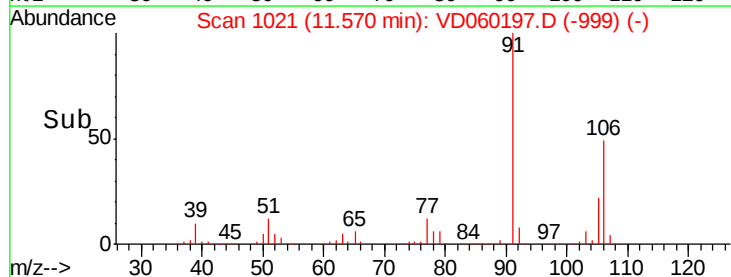
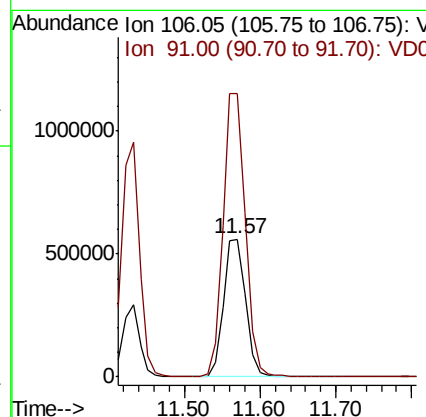
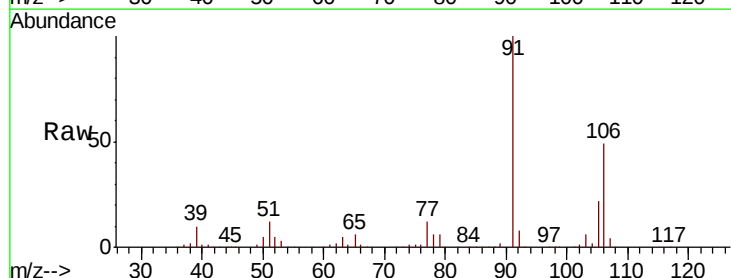
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 91 Resp: 1561808
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6



#68
m/p-Xylenes
Concen: 46.863 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 106 Resp: 1143999
Ion Ratio Lower Upper
106 100
91 205.1 160.0 240.0

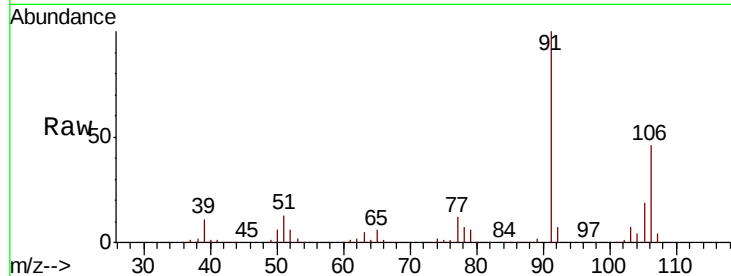




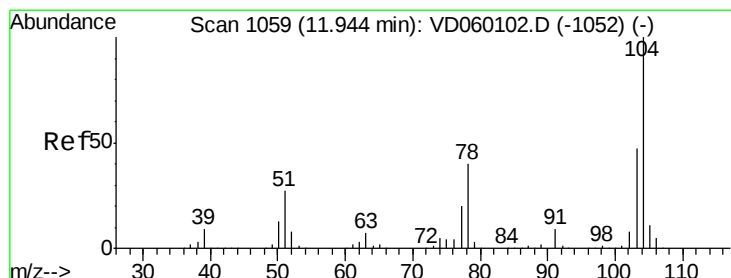
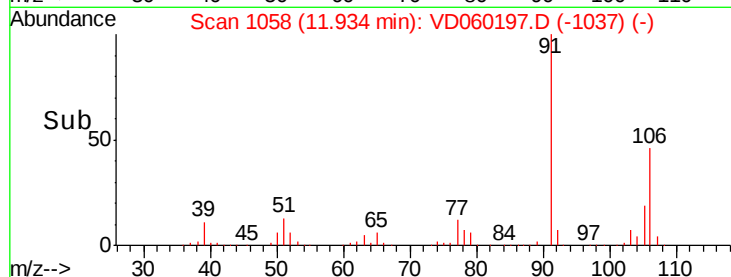
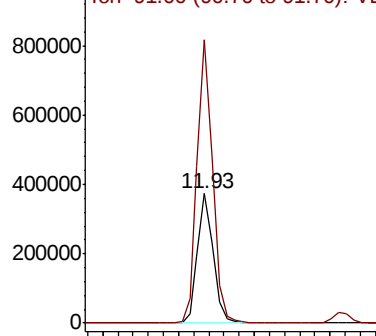
#69
o-Xylene
Concen: 22.236 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion:106 Resp: 536907
Ion Ratio Lower Upper
106 100
91 218.5 102.5 307.5

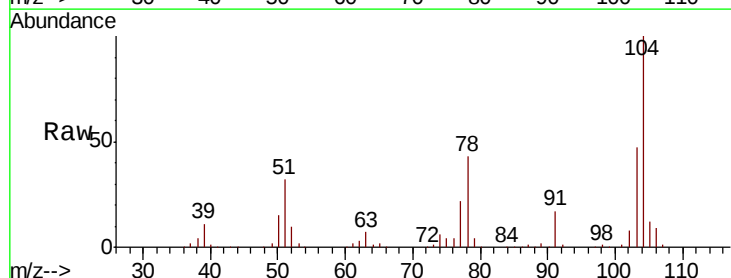


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

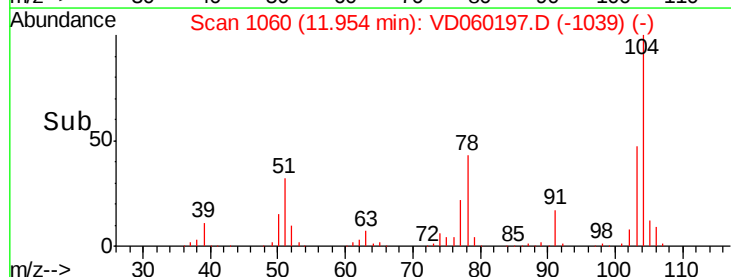
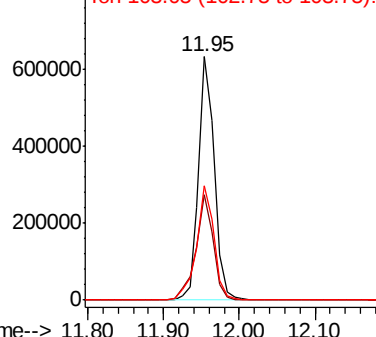


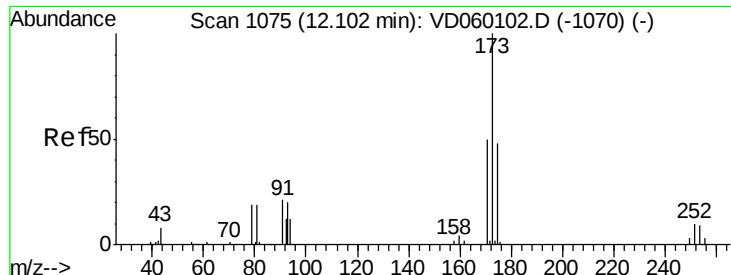
#70
Styrene
Concen: 22.571 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion:104 Resp: 911419
Ion Ratio Lower Upper
104 100
78 43.4 32.2 48.4
103 47.2 37.4 56.0



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: 20.901 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

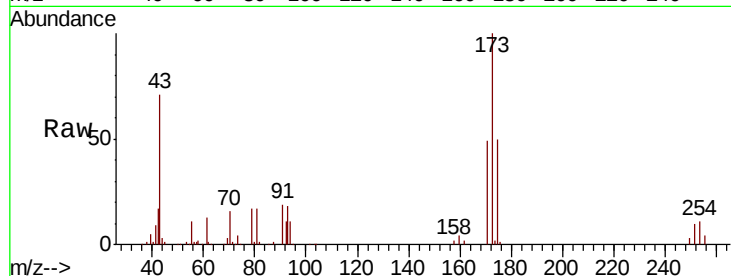
Tot Ion:173 Resp: 227680

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.4

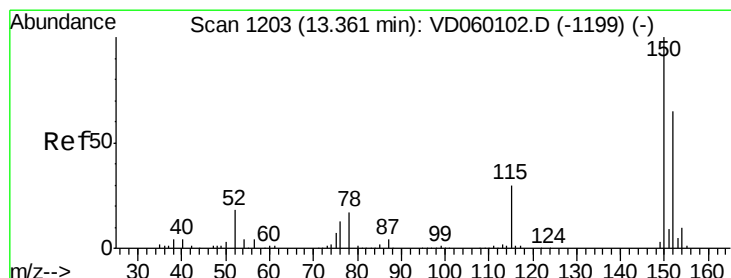
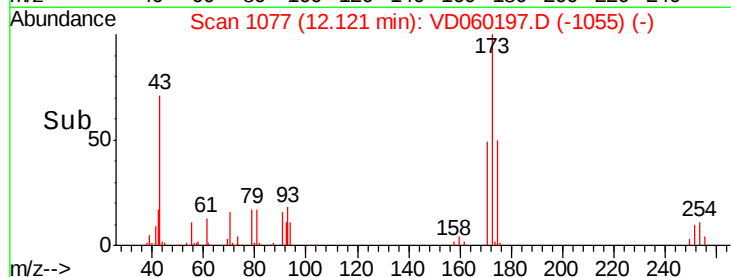
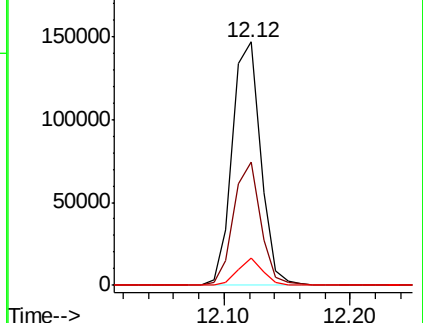
254 11.0 7.4 11.0



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: VD060197.D

Acq: 25 Oct 2018 16:14

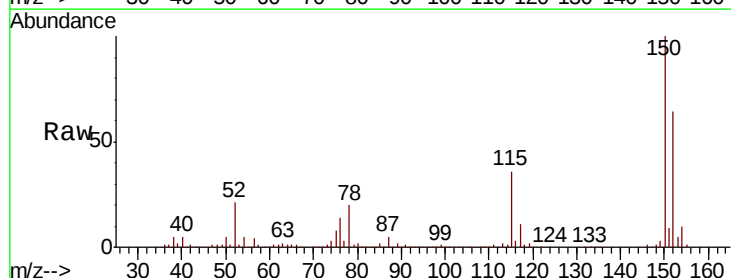
Tgt Ion:152 Resp: 1008031

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.2

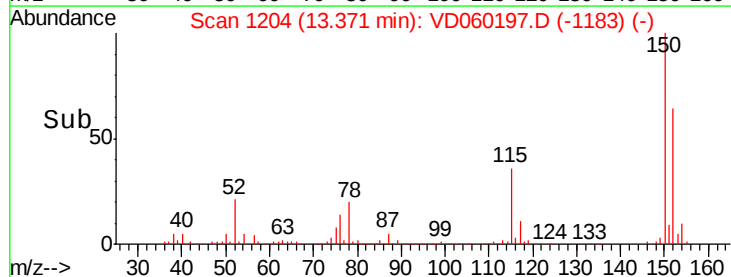
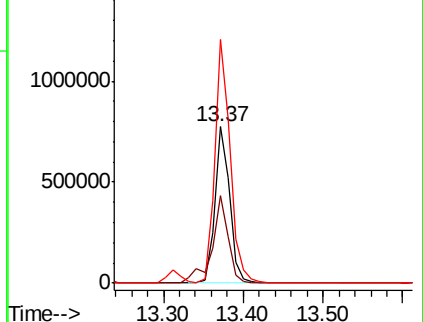
150 155.8 0.0 311.8

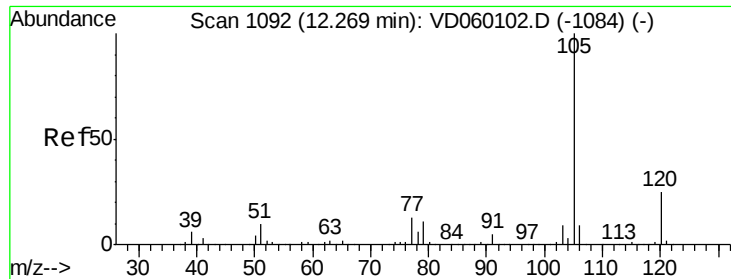


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

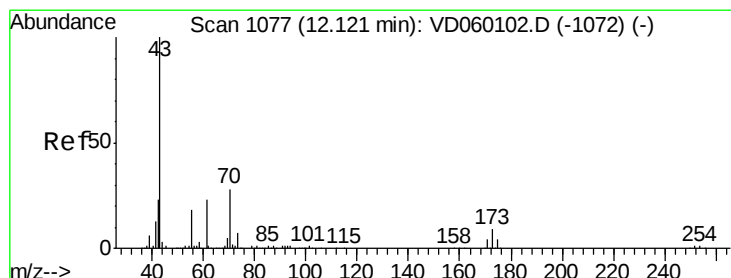
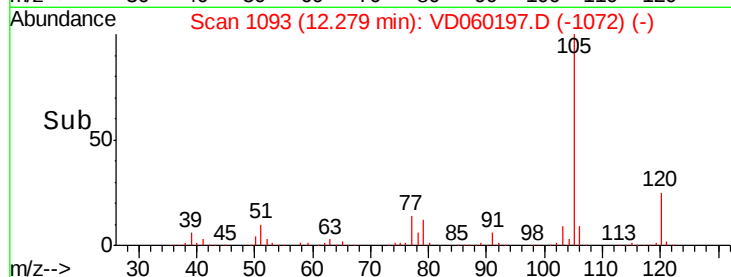
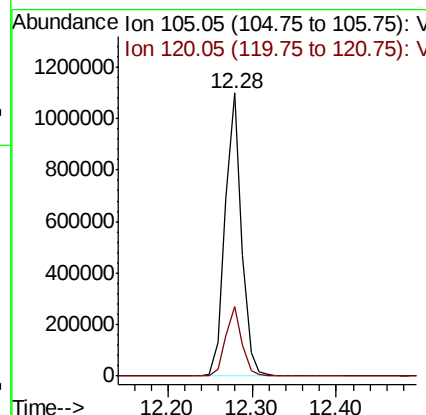
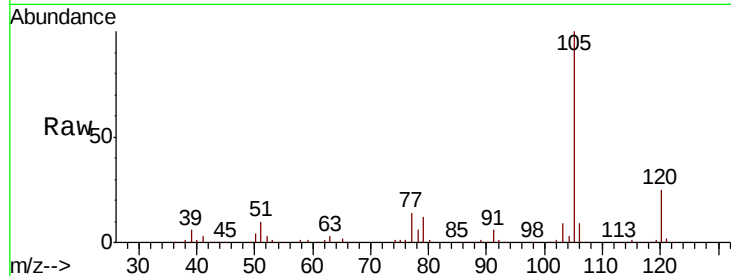




#73
Isopropylbenzene
Concen: 22.447 ug/l
RT: 12.28 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

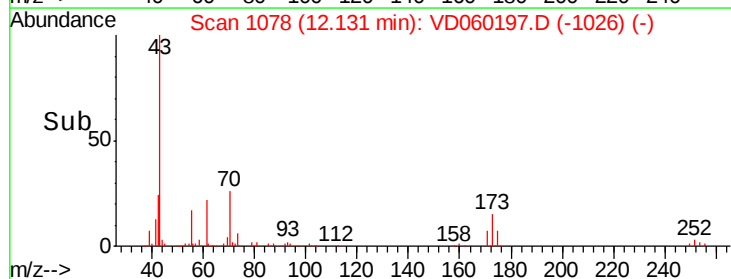
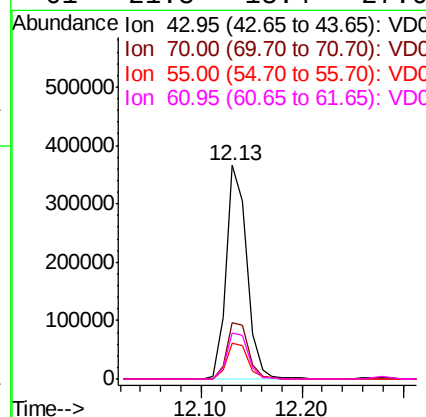
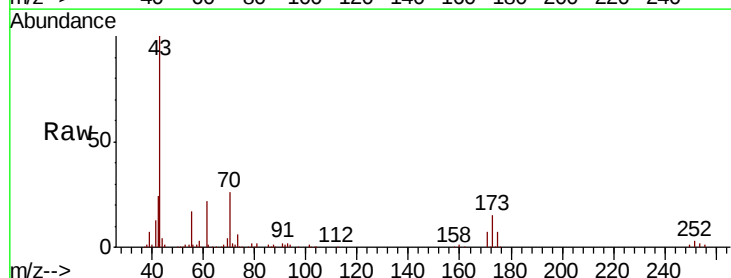
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

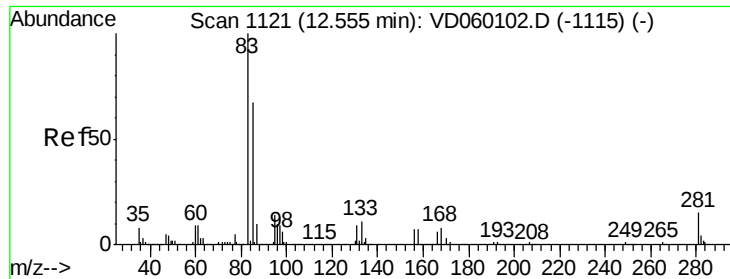
Tot Ion:105 Resp: 1492791
Ion Ratio Lower Upper
105 100
120 24.5 12.6 37.6



#74
N-ethyl acetate
Concen: 21.524 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 43 Resp: 524295
Ion Ratio Lower Upper
43 100
70 26.1 22.1 33.1
55 17.0 14.1 21.1
61 21.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.527 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

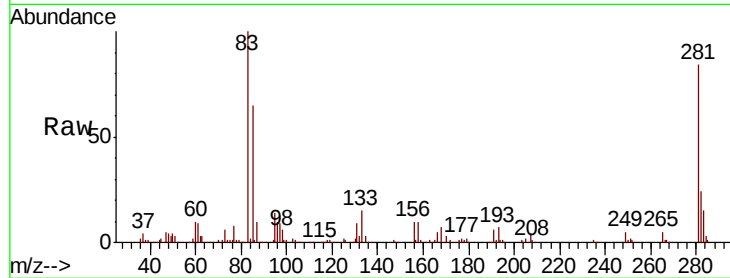
Tot Ion: 83 Resp: 312534

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.4

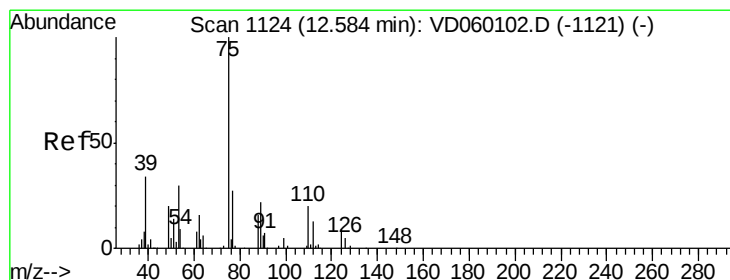
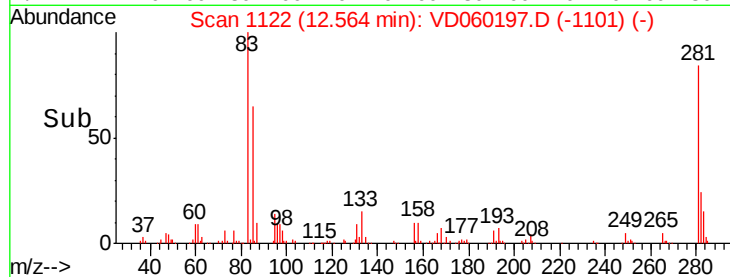
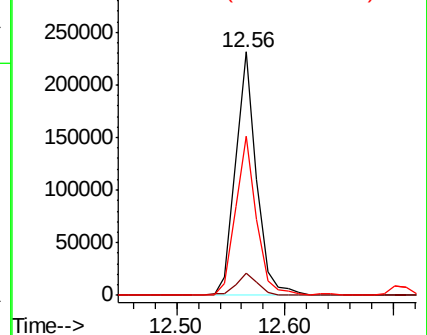
85 65.4 33.3 99.9



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: 21.448 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060197.D

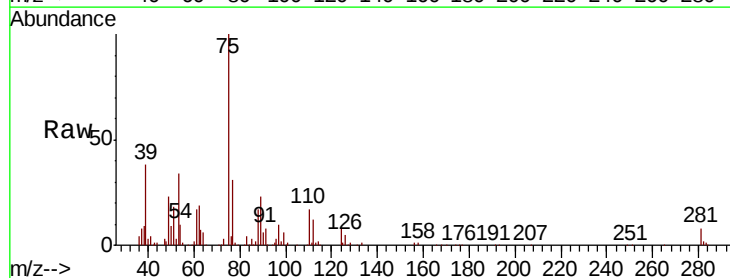
Acq: 25 Oct 2018 16:14

Tgt Ion: 75 Resp: 311353

Ion Ratio Lower Upper

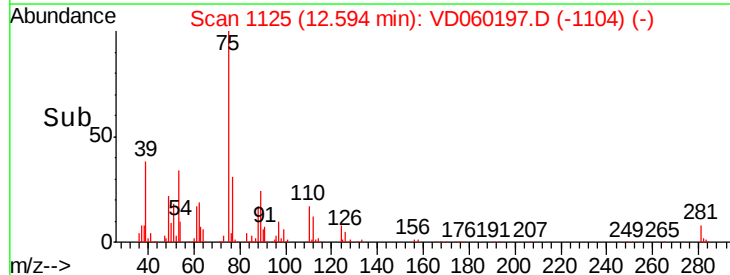
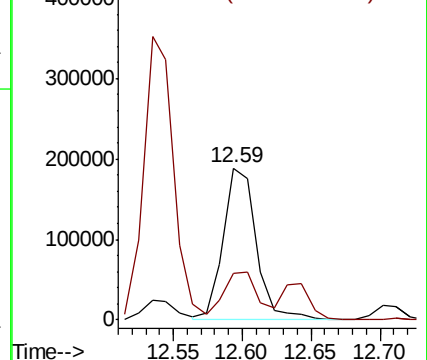
75 100

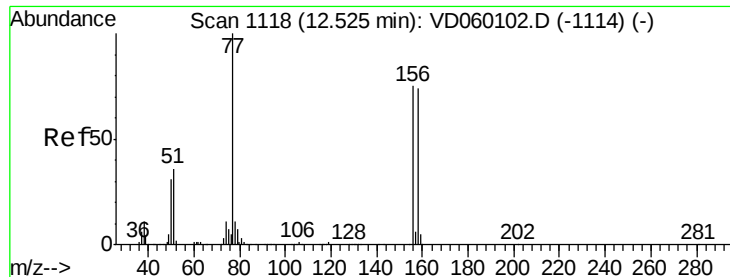
77 31.0 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.768 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

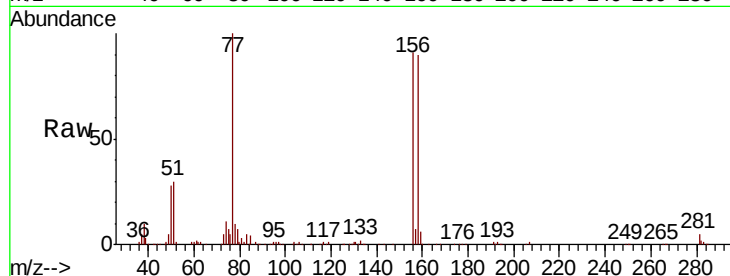
Tot Ion:156 Resp: 420664

Ion Ratio Lower Upper

156 100

77 110.0 66.9 200.7

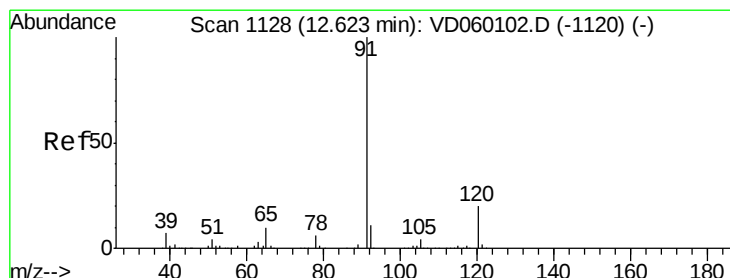
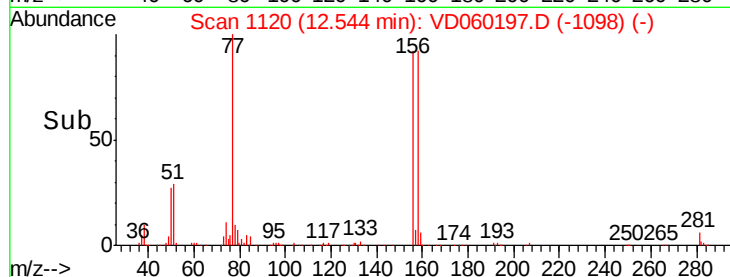
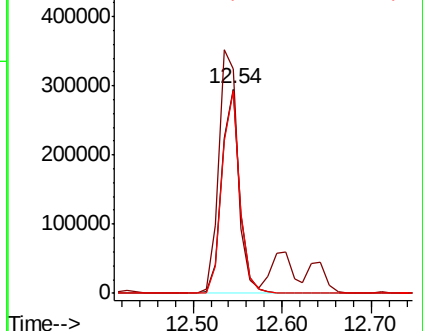
158 99.2 49.1 147.4



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: 22.533 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060197.D

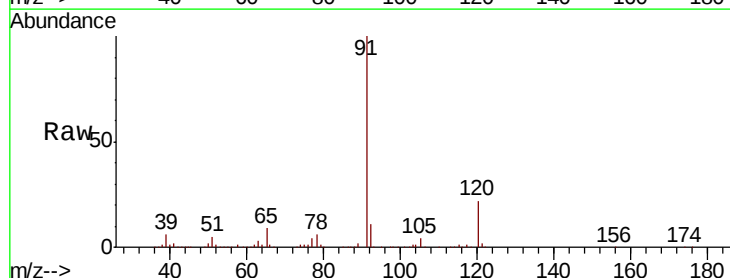
Acq: 25 Oct 2018 16:14

Tgt Ion: 91 Resp: 1860702

Ion Ratio Lower Upper

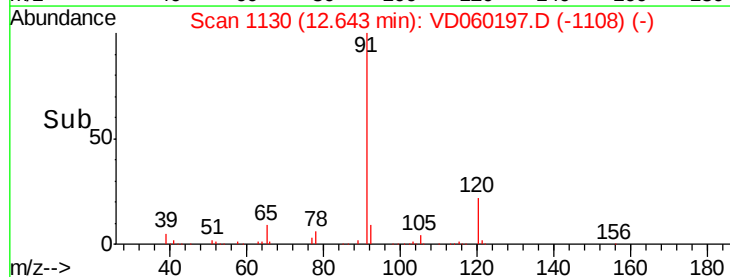
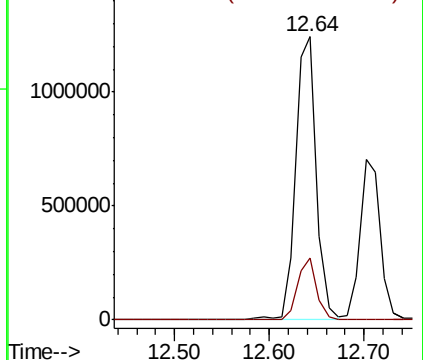
91 100

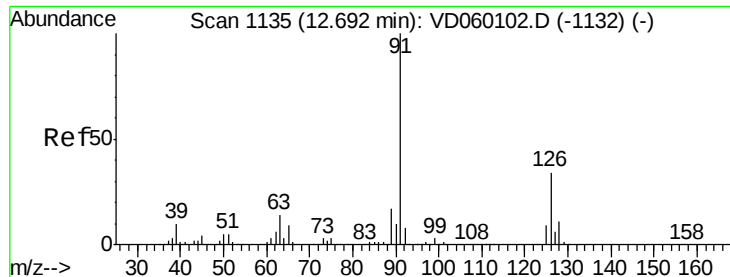
120 22.0 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

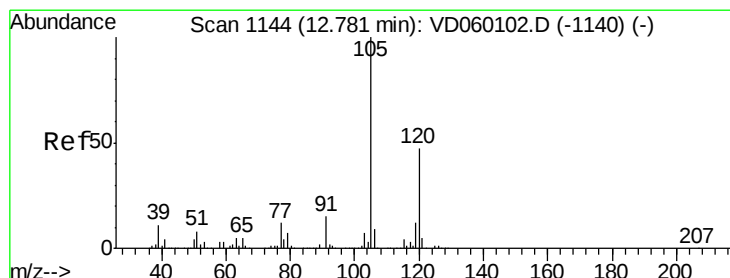
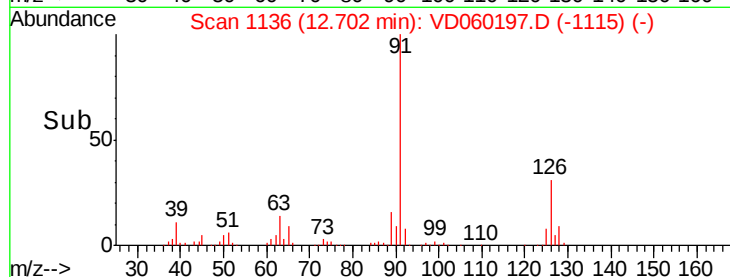
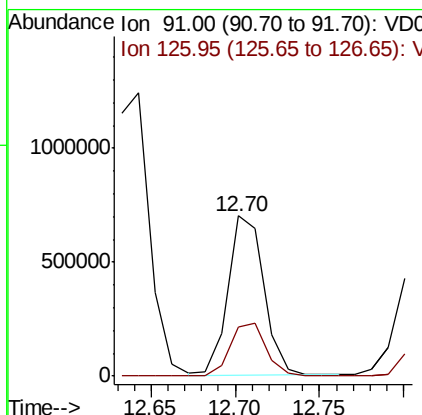
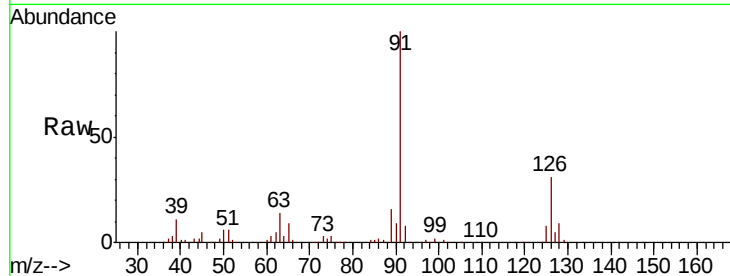




#79
 2-Chlorotoluene
 Concen: 22.494 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

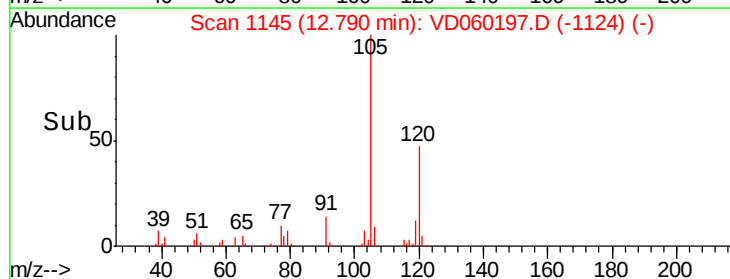
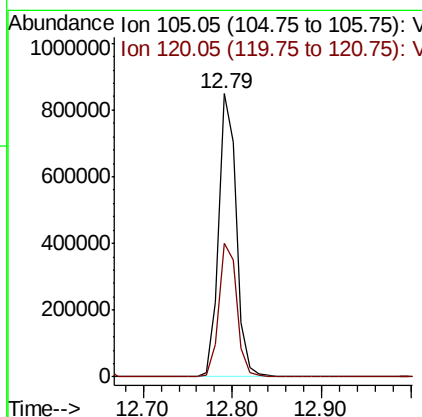
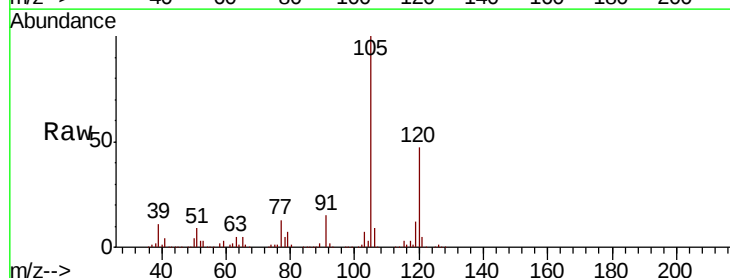
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

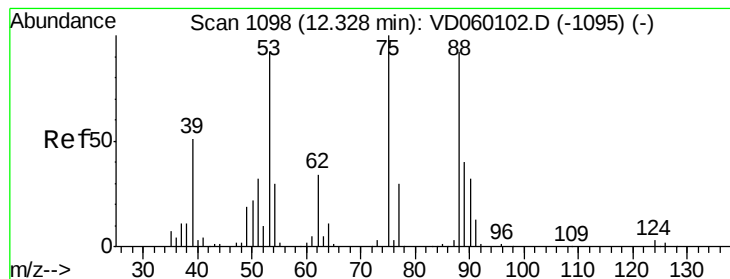
Tot Ion: 91 Resp: 1030891
 Ion Ratio Lower Upper
 91 100
 126 30.8 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 22.831 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion:105 Resp: 1175098
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.969 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

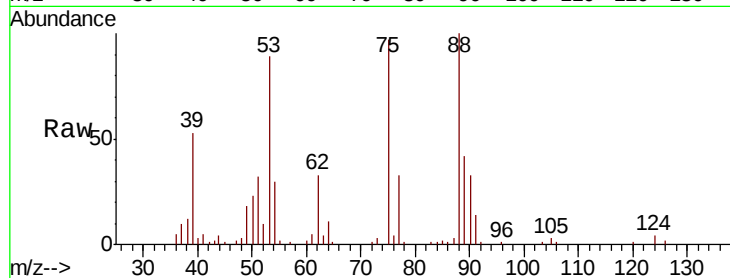
Tot Ion: 75 Resp: 85533

Ion Ratio Lower Upper

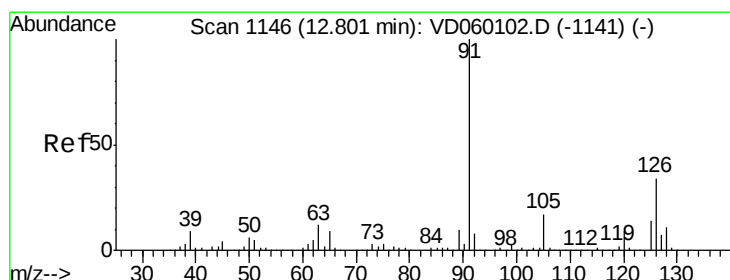
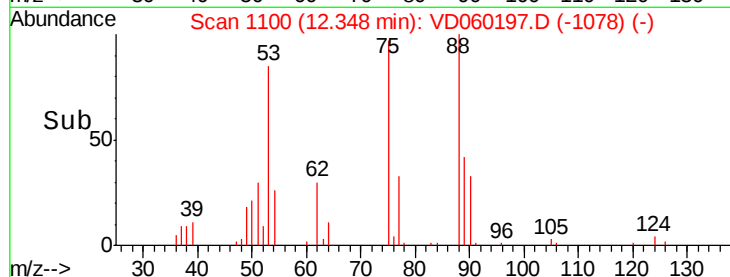
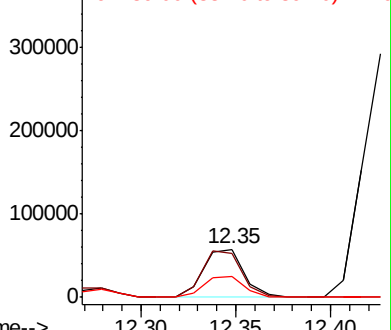
75 100

53 91.8 73.0 109.6

89 43.2 32.0 48.0



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: 23.183 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060197.D

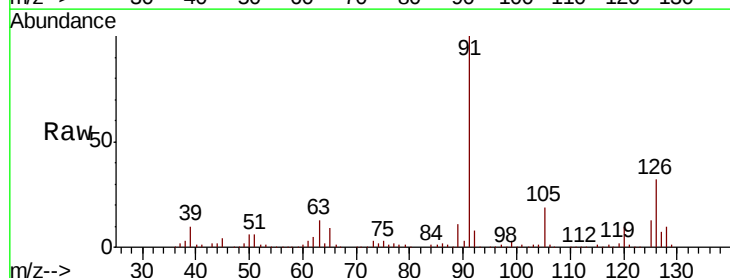
Acq: 25 Oct 2018 16:14

Tgt Ion: 91 Resp: 1201720

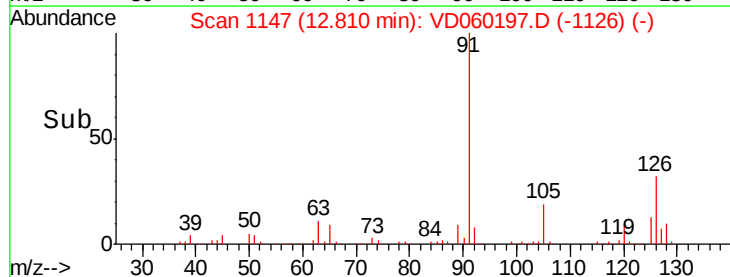
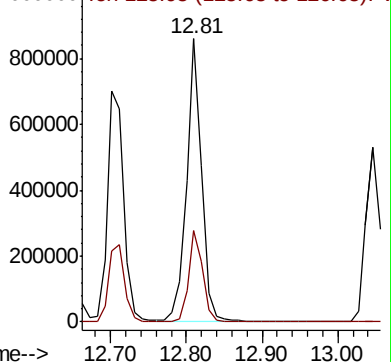
Ion Ratio Lower Upper

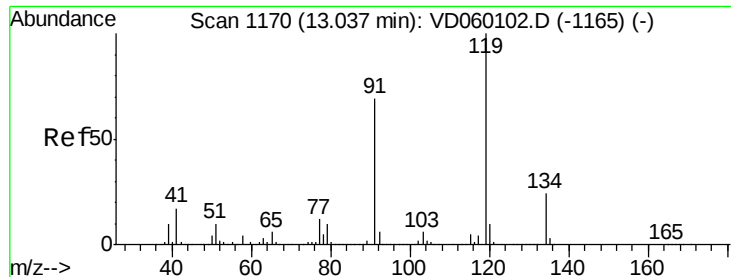
91 100

126 32.4 17.1 51.2



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

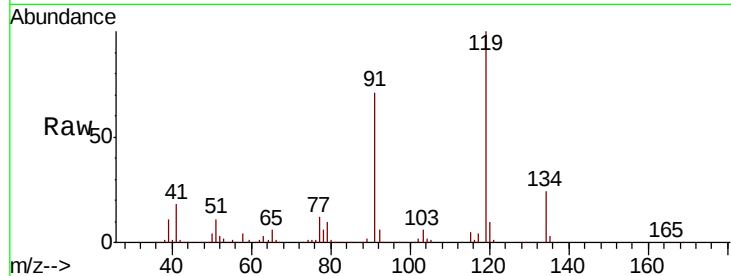




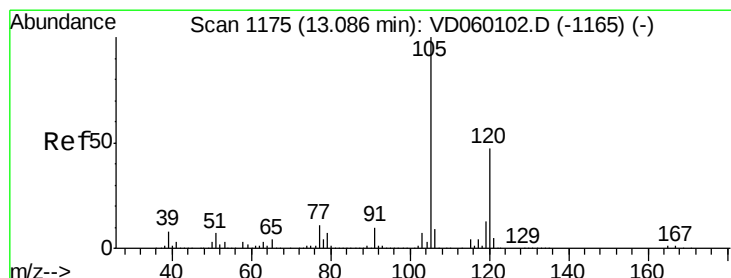
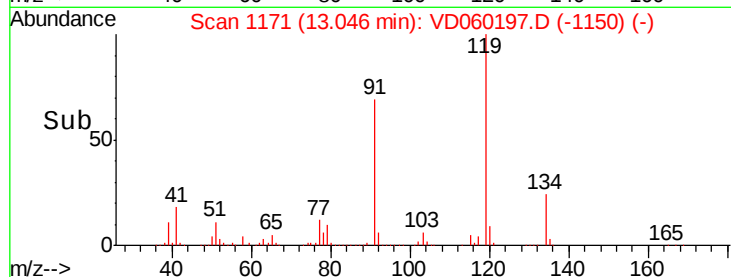
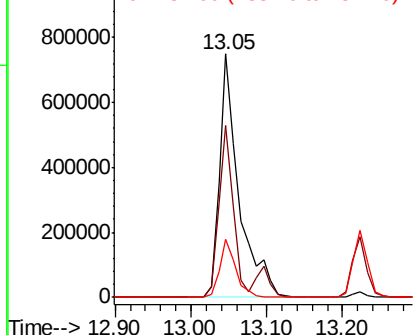
#83
 tert-Butylbenzene
 Concen: 22.968 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:119 Resp: 1356542
 Ion Ratio Lower Upper
 119 100
 91 70.8 34.8 104.4
 134 23.6 11.8 35.4

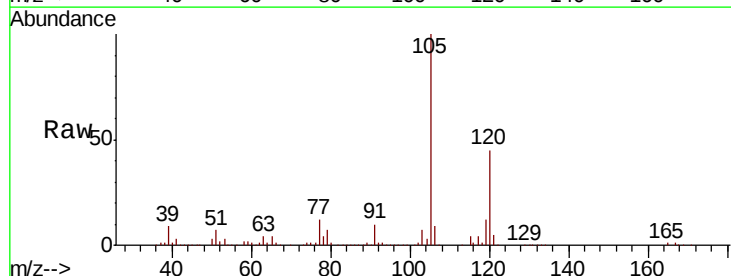


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

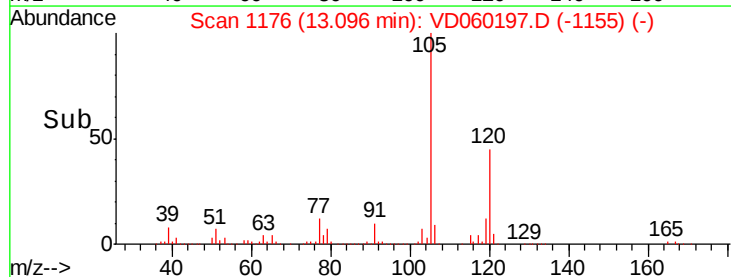
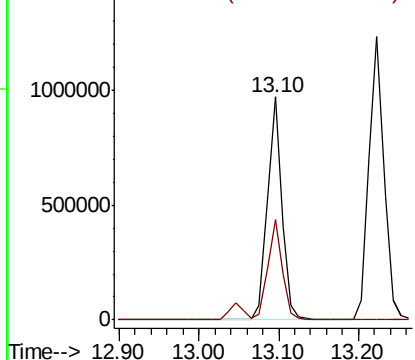


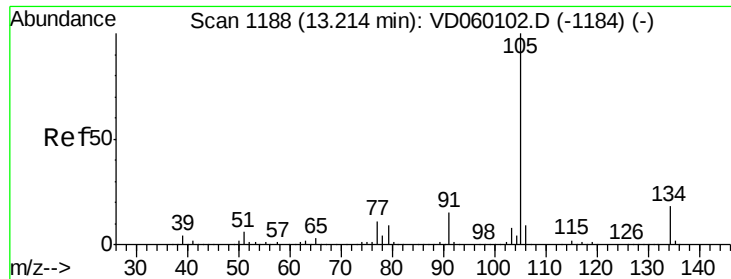
#84
 1,2,4-Trimethylbenzene
 Concen: 22.741 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion:105 Resp: 1233573
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.4 70.0



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





#85

sec-Butylbenzene

Concen: 22.551 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

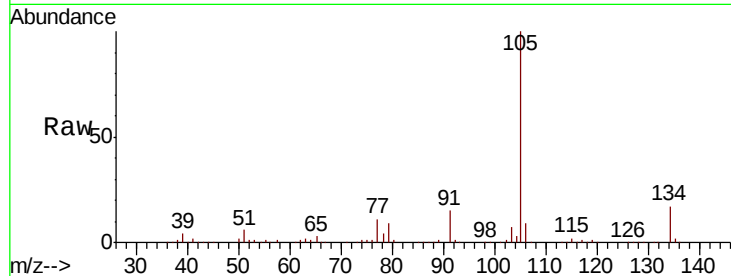
VD1025SBS01

Tot Ion:105 Resp: 1574815

Ion Ratio Lower Upper

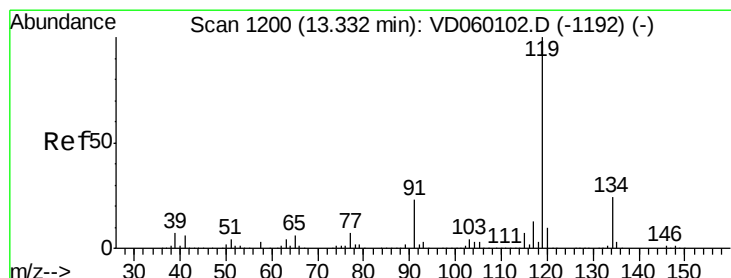
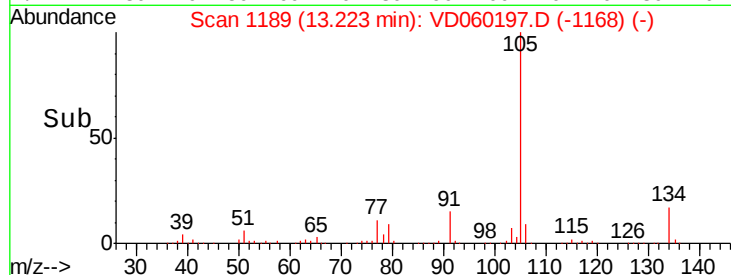
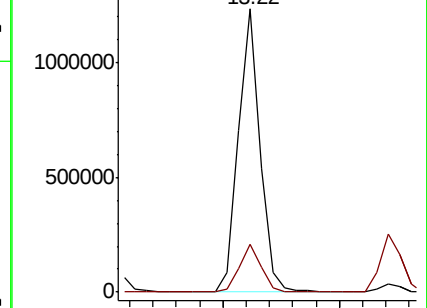
105 100

134 16.8 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.482 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

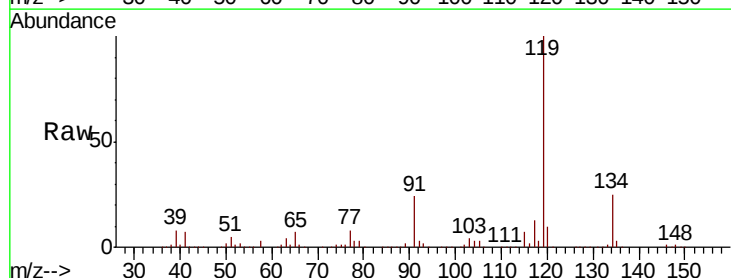
Tgt Ion:119 Resp: 1287762

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

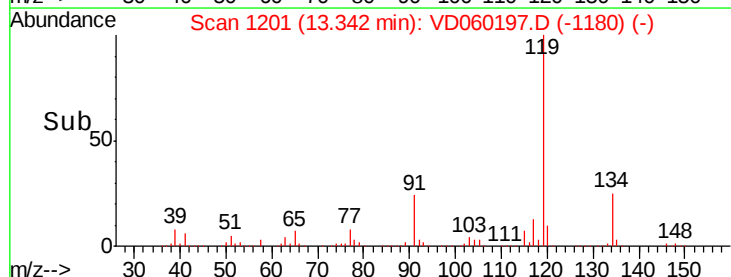
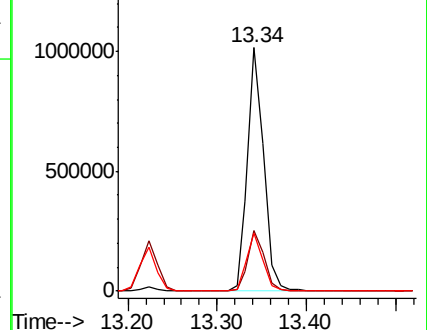
91 23.9 11.8 35.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

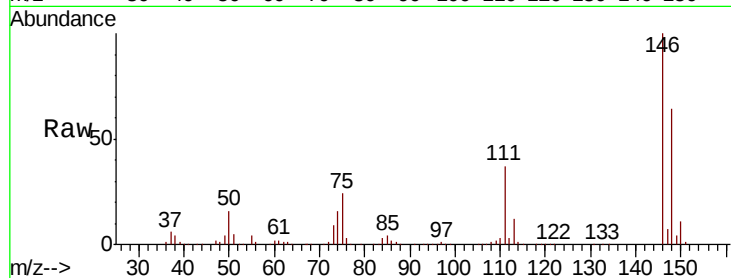




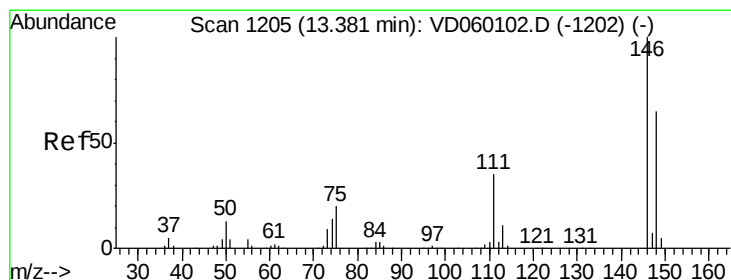
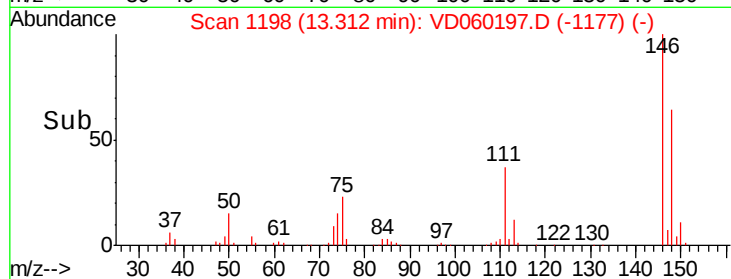
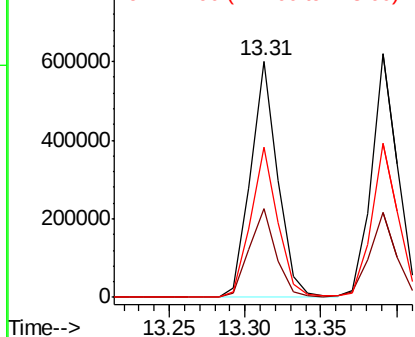
#87
 1,3-Dichlorobenzene
 Concen: 22.296 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:146 Resp: 750682
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.3
 148 63.6 32.3 96.9

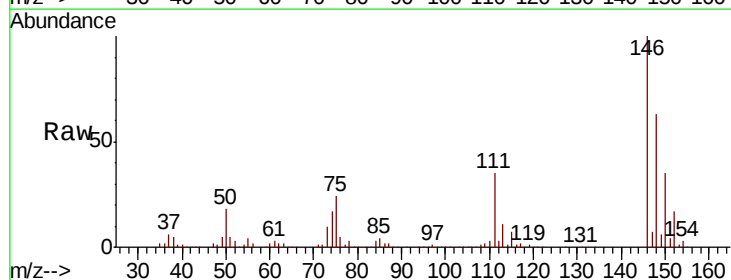


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

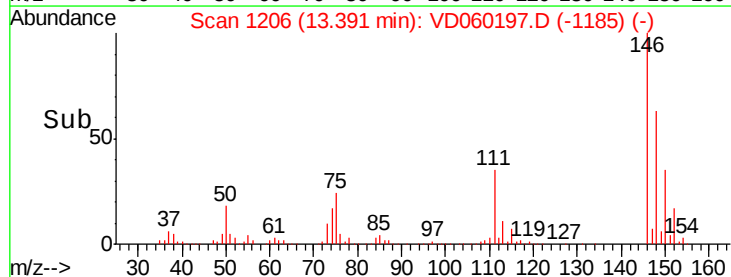
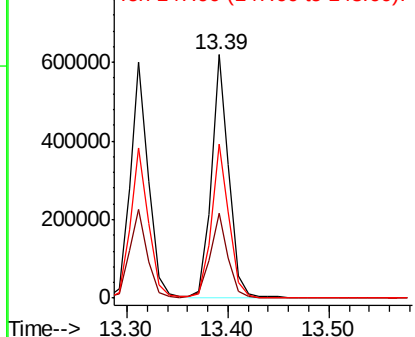


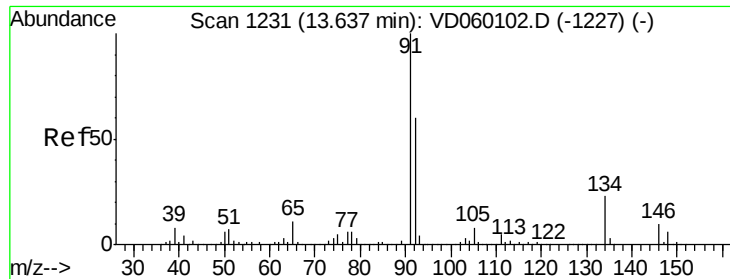
#88
 1,4-Dichlorobenzene
 Concen: 22.173 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion:146 Resp: 749876
 Ion Ratio Lower Upper
 146 100
 111 34.7 17.8 53.3
 148 63.0 32.4 97.2



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

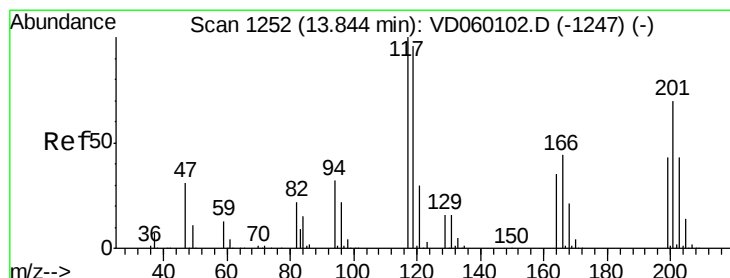
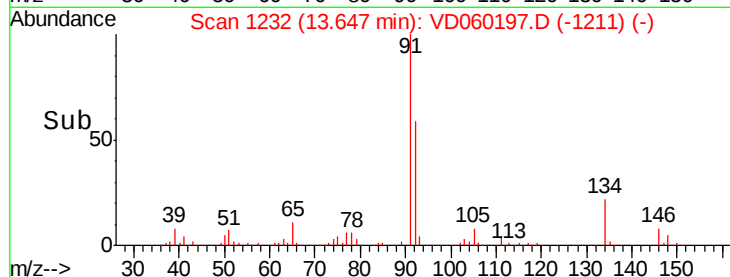
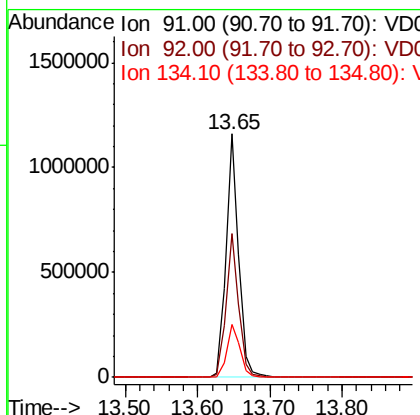
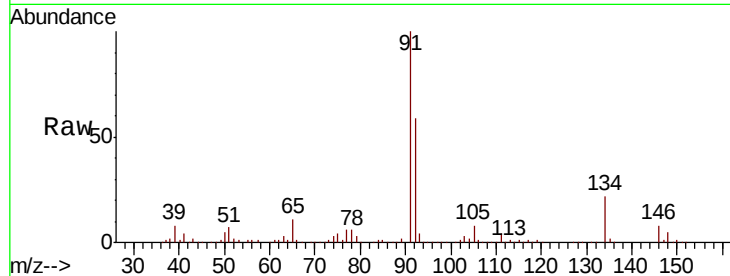




#89
n-Butylbenzene
Concen: 24.815 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

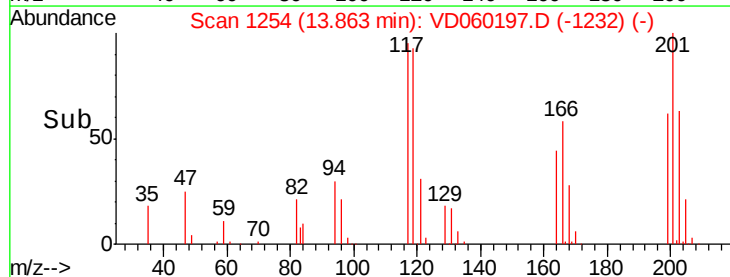
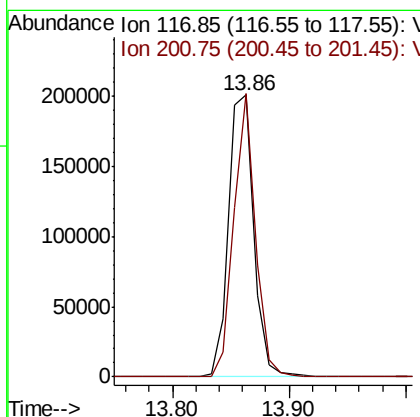
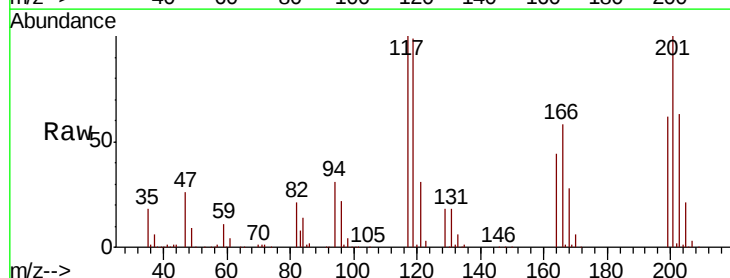
Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

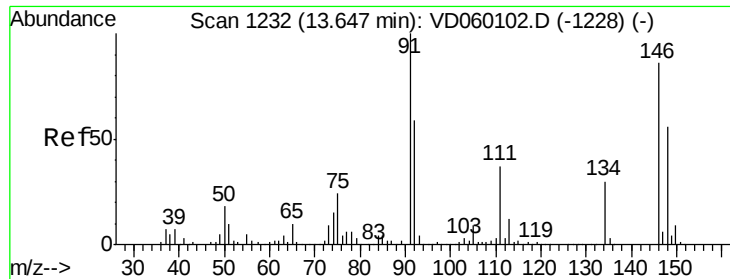
Tot Ion: 91 Resp: 1386931
Ion Ratio Lower Upper
91 100
92 58.9 30.1 90.3
134 21.8 11.6 34.7



#90
Hexachloroethane
Concen: 22.736 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060197.D
Acq: 25 Oct 2018 16:14

Tgt Ion: 117 Resp: 301395
Ion Ratio Lower Upper
117 100
201 100.5 34.8 104.5

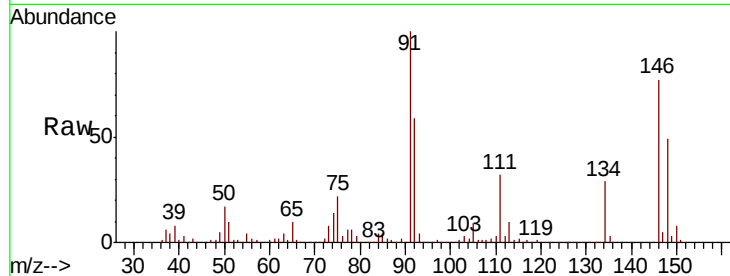




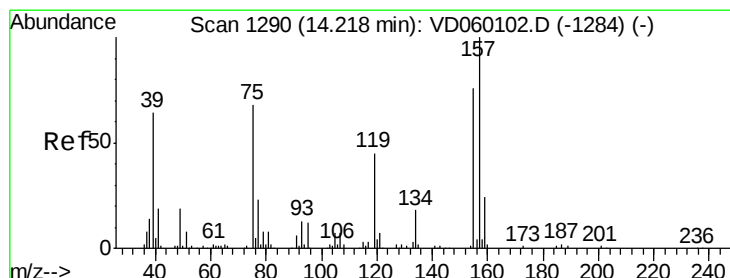
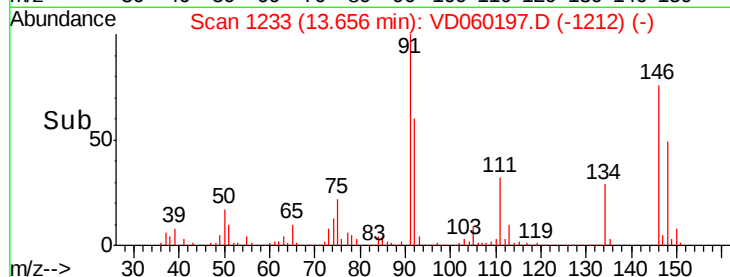
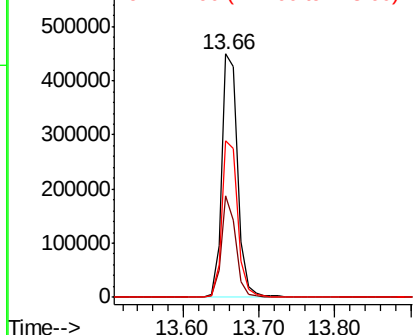
#91
 1,2-Dichlorobenzene
 Concen: 23.328 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion:146 Resp: 660416
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.4 64.3
 148 64.5 32.2 96.6

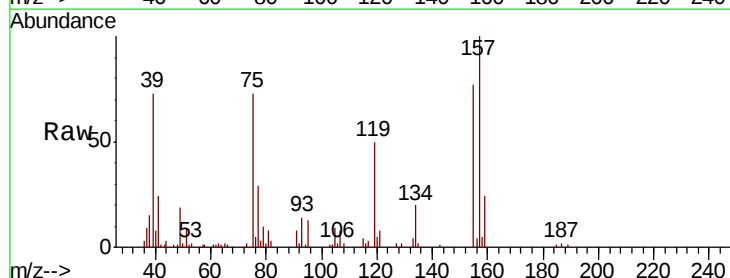


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

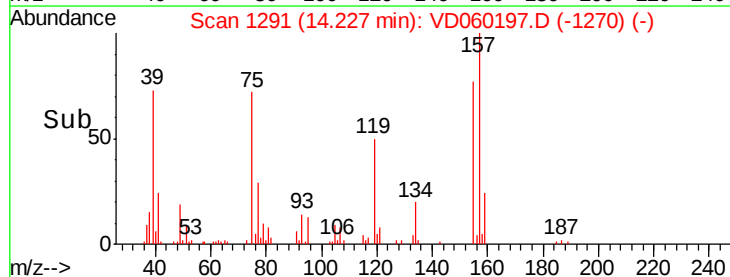
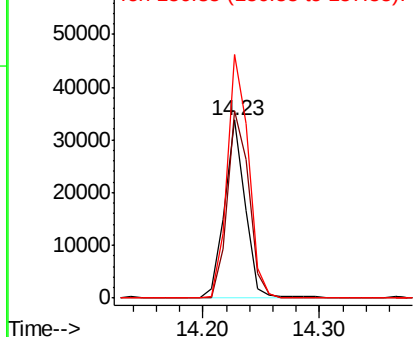


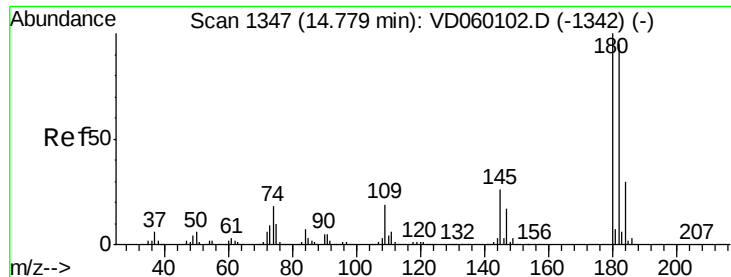
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.499 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion: 75 Resp: 41675
 Ion Ratio Lower Upper
 75 100
 155 105.0 55.9 167.7
 157 136.6 73.3 219.8



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

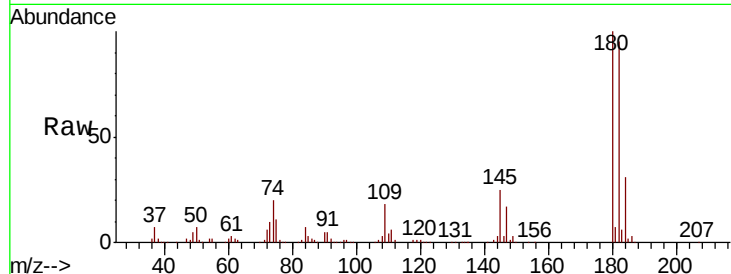




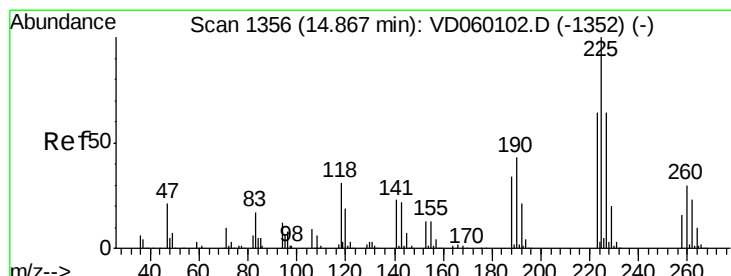
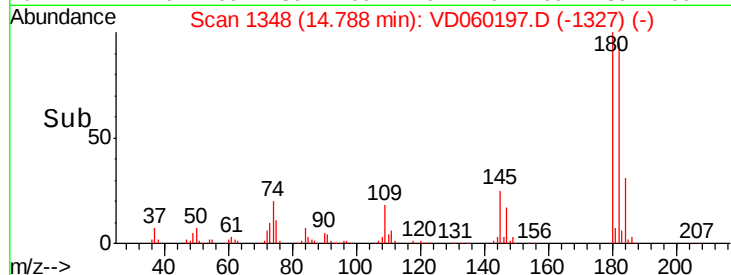
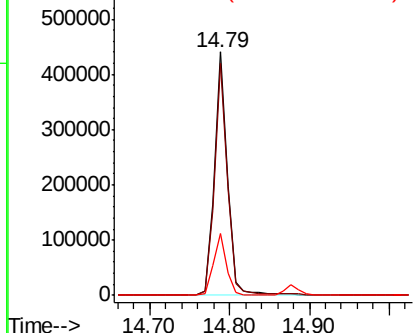
#93
 1,2,4-Trichlorobenzene
 Concen: 21.521 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	25.3	13.0	38.9

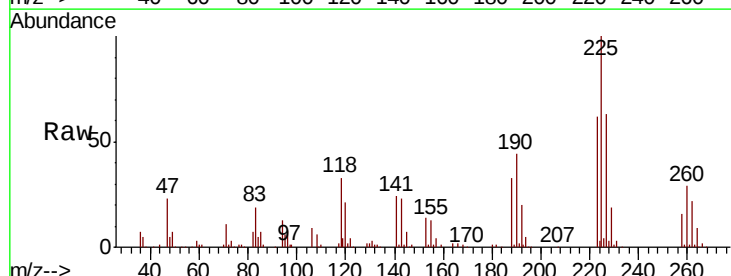


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

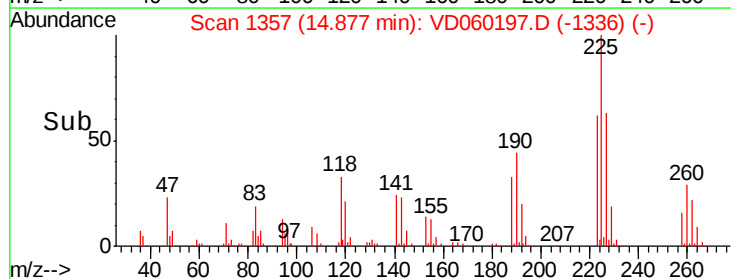
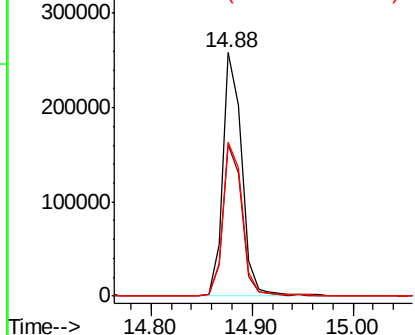


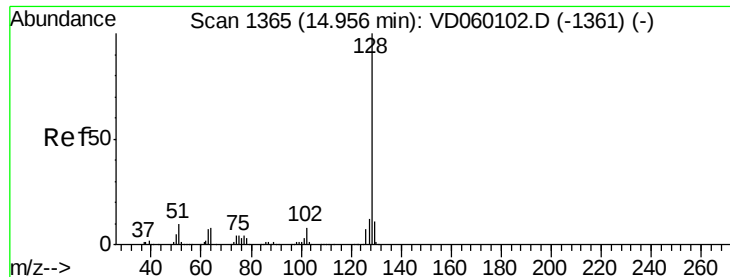
#94
 Hexachlorobutadiene
 Concen: 21.440 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060197.D
 Acq: 25 Oct 2018 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.8	95.4
227	63.0	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: 19.941 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

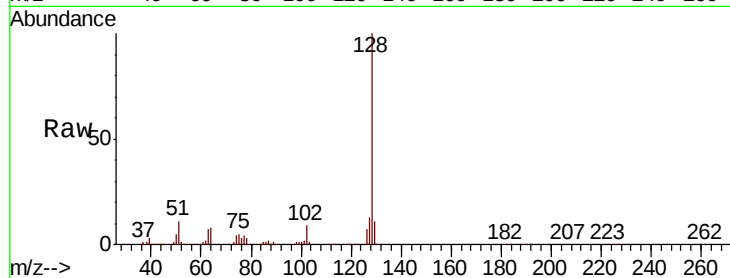
Tot Ion:128 Resp: 710264

Ion Ratio Lower Upper

128 100

127 12.5 9.9 14.9

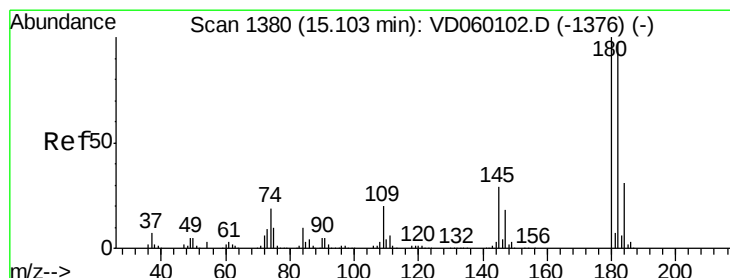
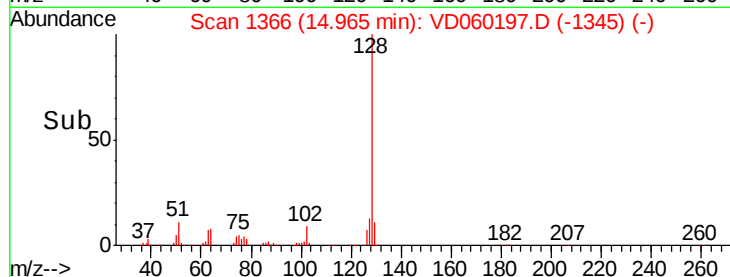
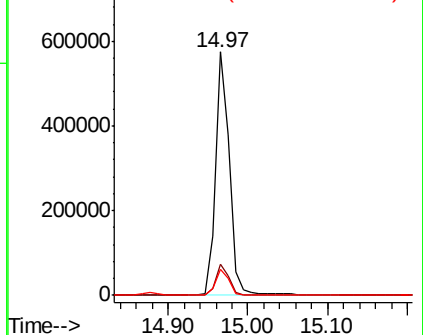
129 10.6 8.8 13.2



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: 20.409 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060197.D

Acq: 25 Oct 2018 16:14

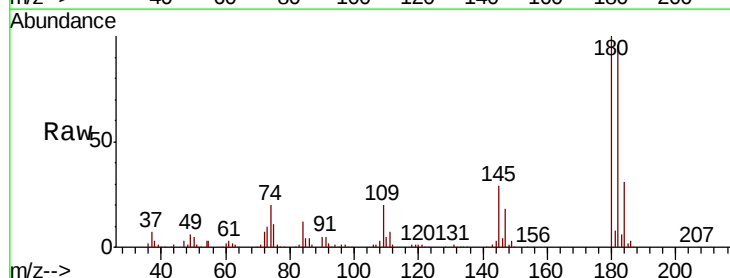
Tgt Ion:180 Resp: 426618

Ion Ratio Lower Upper

180 100

182 95.7 48.4 145.0

145 28.8 14.5 43.6



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

