

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110918\
 Data File : VD060311.D
 Acq On : 9 Nov 2018 14:34
 Operator : VA/AP
 Sample : VD1109SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Quant Time: Nov 12 14:35:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1487144	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2017241	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1623729	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	850890	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	522007	49.02	ug/l	-0.02
Spiked Amount			Recovery	=	98.04%	
35) Dibromofluoromethane	6.31	113	735804	48.92	ug/l	-0.03
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	9.45	98	2109236	47.91	ug/l	-0.02
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.42	95	764621	47.93	ug/l	-0.02
Spiked Amount			Recovery	=	95.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	307382	23.966	ug/l	98
3) Chloromethane	1.75	50	298587	21.196	ug/l	98
4) Vinyl Chloride	1.84	62	237995	20.688	ug/l	99
5) Bromomethane	2.13	94	42017	15.394	ug/l	97
6) Chloroethane	2.24	64	70472	18.462	ug/l	90
7) Trichlorofluoromethane	2.50	101	284840	21.001	ug/l	97
8) Diethyl Ether	2.81	74	53110	21.628	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.08	101	188757	21.159	ug/l	95
10) Methyl Iodide	3.24	142	236113	20.378	ug/l	99
11) Tert butyl alcohol	3.96	59	49978	114.300	ug/l	98
12) 1,1-Dichloroethene	3.06	96	150813	20.784	ug/l	98
13) Acrolein	2.97	56	47724	92.370	ug/l	100
14) Allyl chloride	3.52	41	289049	20.819	ug/l	97
15) Acrylonitrile	4.07	53	289617	113.583	ug/l	99
16) Acetone	3.15	43	187700	101.622	ug/l	94
17) Carbon Disulfide	3.30	76	473815	20.230	ug/l	99
18) Methyl Acetate	3.54	43	79505	20.188	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	494202	22.745	ug/l	99
20) Methylene Chloride	3.71	84	385492	23.528	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	351412	21.811	ug/l	99
22) Diisopropyl ether	4.84	45	1197364	23.083	ug/l	98
23) Vinyl Acetate	4.79	43	3045477	117.994	ug/l	99
24) 1,1-Dichloroethane	4.74	63	587367	22.082	ug/l	100
25) 2-Butanone	5.61	43	452136	117.769	ug/l	100
26) 2,2-Dichloropropane	5.57	77	469590	22.707	ug/l	95
27) cis-1,2-Dichloroethene	5.58	96	371836	22.153	ug/l	92
28) Bromochloromethane	5.91	49	252568	21.520	ug/l	89
29) Tetrahydrofuran	5.94	42	237491	117.330	ug/l	99
30) Chloroform	6.09	83	582462	21.904	ug/l	100
31) Cyclohexane	6.36	56	544145	21.403	ug/l	97
32) 1,1,1-Trichloroethane	6.28	97	485134	21.658	ug/l	99
36) 1,1-Dichloropropene	6.51	75	457701	22.966	ug/l	99
37) Ethyl Acetate	5.69	43	214328	23.371	ug/l	98
38) Carbon Tetrachloride	6.48	117	408581	22.101	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	518253	22.609	ug/l	99
40) Benzene	6.78	78	1176023	23.117	ug/l	100
41) Methacrylonitrile	5.94	41	253271	24.129	ug/l #	88
42) 1,2-Dichloroethane	6.89	62	311156	23.368	ug/l	100
43) Isopropyl Acetate	8.34	43	266034	23.094	ug/l #	98
44) Trichloroethene	7.73	130	351359	22.784	ug/l	97
45) 1,2-Dichloropropane	8.09	63	290976	22.679	ug/l	98
46) Dibromomethane	8.21	93	170820	22.732	ug/l	98
47) Bromodichloromethane	8.48	83	406793	22.973	ug/l	95
48) Methyl methacrylate	8.24	41	163594	23.380	ug/l	94
49) 1,4-Dioxane	8.22	88	28210	465.955	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	889498	118.637	ug/l	100
52) Toluene	9.54	92	743096	22.867	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	345105	23.066	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	441888	23.028	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	213122	22.628	ug/l	97
56) Ethyl methacrylate	10.03	69	206136	23.803	ug/l	99
57) 1,3-Dichloropropane	10.37	76	318748	22.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	601926	114.954	ug/l	99
59) 2-Hexanone	10.48	43	656137	122.783	ug/l	99
60) Dibromochloromethane	10.64	129	270180	23.598	ug/l	95
61) 1,2-Dibromoethane	10.75	107	213955	22.672	ug/l	94
64) Tetrachloroethene	10.24	164	326475	22.522	ug/l	98
65) Chlorobenzene	11.31	112	795992	22.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	266159	23.122	ug/l	98
67) Ethyl Benzene	11.42	91	1382980	22.979	ug/l	100
68) m/p-Xylenes	11.56	106	1023239	46.091	ug/l	96
69) o-Xylene	11.93	106	489996	22.846	ug/l	99
70) Styrene	11.96	104	797657	23.013	ug/l	99
71) Bromoform	12.11	173	172346	22.281	ug/l	99
73) Isopropylbenzene	12.27	105	1337350	21.572	ug/l	99
74) N-amyl acetate	12.13	43	352661	22.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	223802	22.074	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	224655	22.071	ug/l	99
77) Bromobenzene	12.54	156	364326	22.124	ug/l	97
78) n-propylbenzene	12.63	91	1693846	21.890	ug/l	99
79) 2-Chlorotoluene	12.70	91	931652	21.983	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1053679	21.870	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	63076	21.767	ug/l	98
82) 4-Chlorotoluene	12.80	91	1061644	22.300	ug/l	100
83) tert-Butylbenzene	13.05	119	1181372	22.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1053779	21.901	ug/l	99
85) sec-Butylbenzene	13.22	105	1412410	21.523	ug/l	100
86) p-Isopropyltoluene	13.34	119	1175157	22.237	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	685377	23.394	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	643819	22.501	ug/l	99
89) n-Butylbenzene	13.65	91	1212752	20.972	ug/l	100
90) Hexachloroethane	13.85	117	272152	21.718	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	567433	23.580	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	27313	22.317	ug/l	52

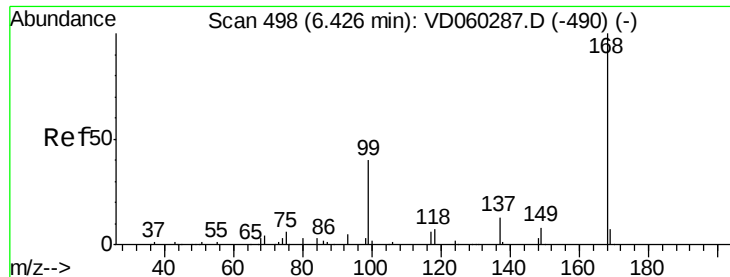
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110918\
Data File : VD060311.D
Acq On : 9 Nov 2018 14:34
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	437202	22.915	ug/l	99
94) Hexachlorobutadiene	14.88	225	319900	22.416	ug/l	98
95) Naphthalene	14.97	128	537792	23.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	356925	23.345	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

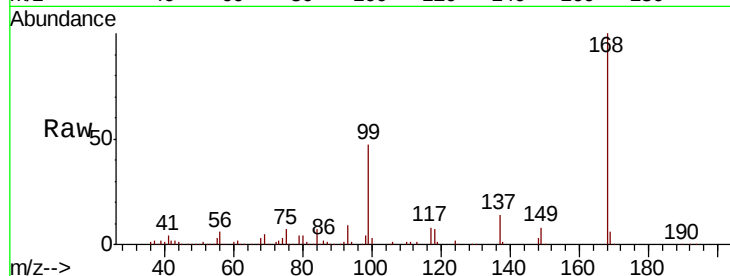
VD1109SBSD01

Tot Ion:168 Resp: 1487144

Ion Ratio Lower Upper

168 100

99 47.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

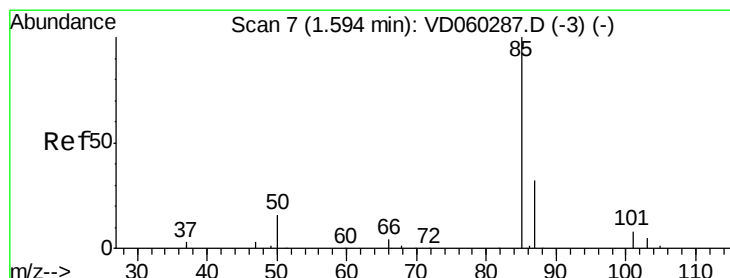
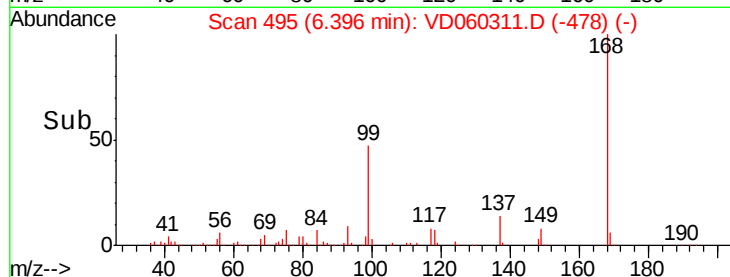
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.966 ug/l

RT: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060311.D

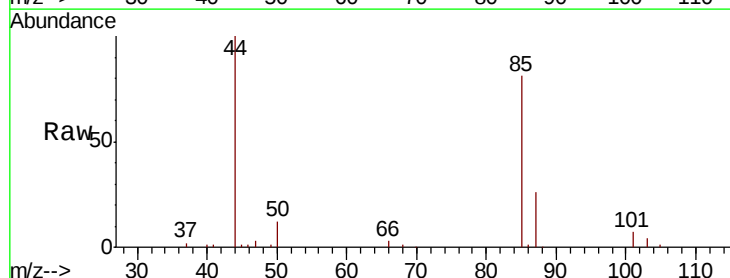
Acq: 9 Nov 2018 14:34

Tgt Ion: 85 Resp: 307382

Ion Ratio Lower Upper

85 100

87 32.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

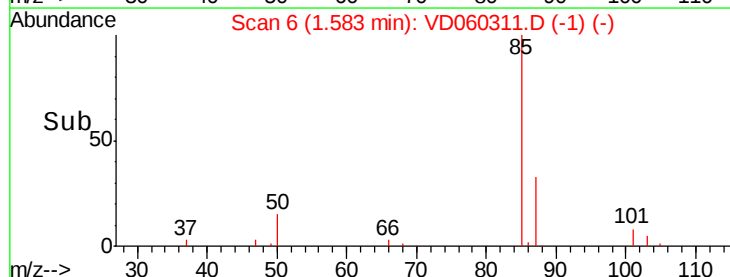
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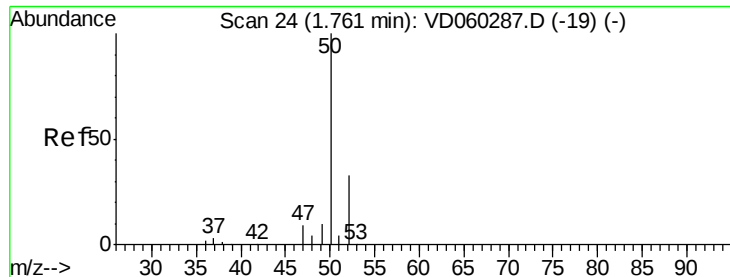
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.196 ug/l

RT: 1.75 min Scan# 23

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

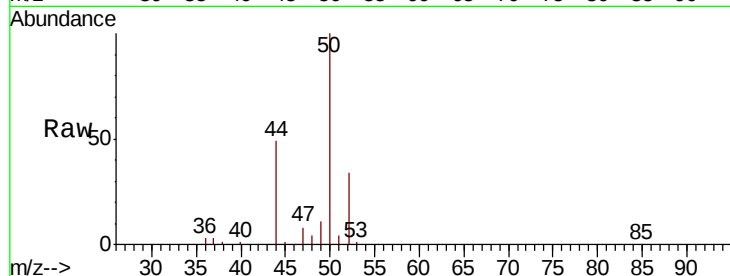
VD1109SBSD01

Tot Ion: 50 Resp: 298587

Ion Ratio Lower Upper

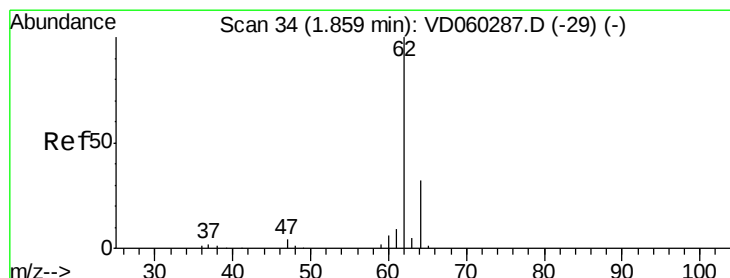
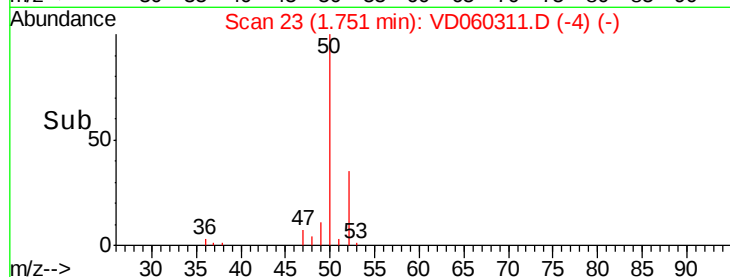
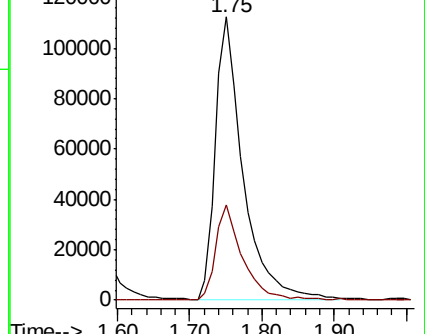
50 100

52 33.6 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.688 ug/l

RT: 1.84 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD060311.D

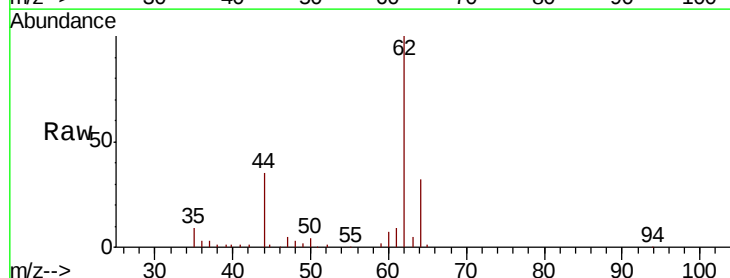
Acq: 9 Nov 2018 14:34

Tgt Ion: 62 Resp: 237995

Ion Ratio Lower Upper

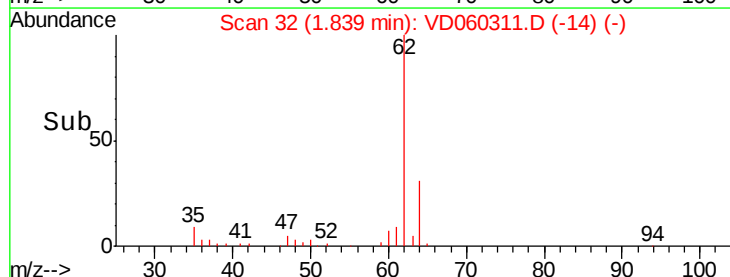
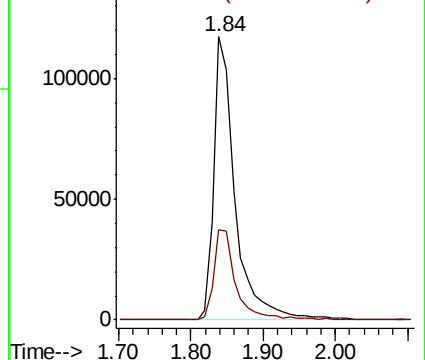
62 100

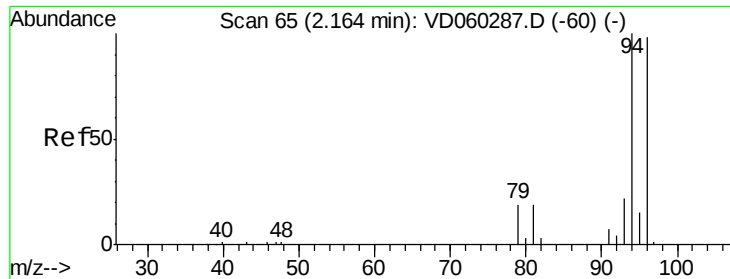
64 31.8 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.394 ug/l

RT: 2.13 min Scan# 62

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

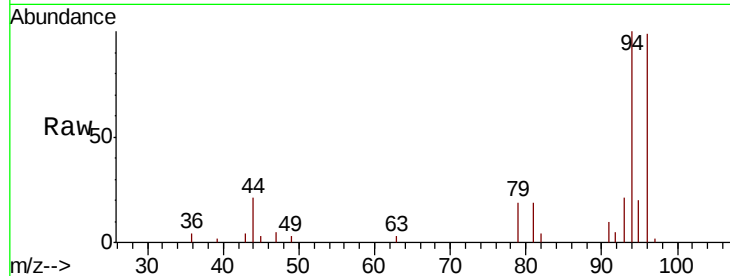
VD1109SBSD01

Tot Ion: 94 Resp: 42017

Ion Ratio Lower Upper

94 100

96 98.8 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

15000

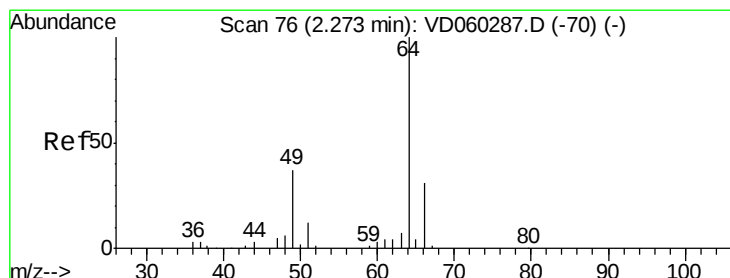
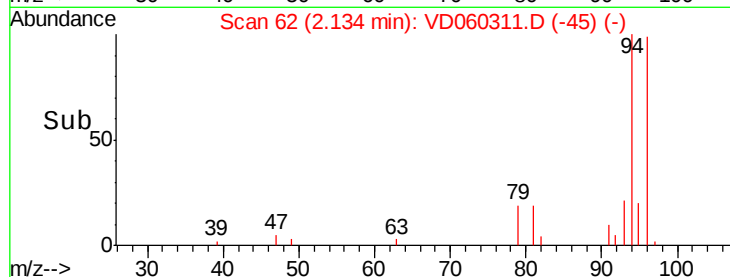
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 18.462 ug/l

RT: 2.24 min Scan# 73

Delta R.T. -0.03 min

Lab File: VD060311.D

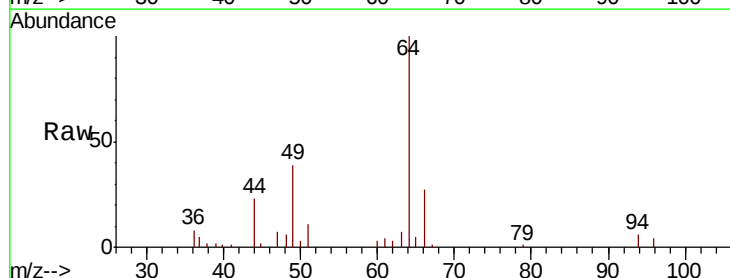
Acq: 9 Nov 2018 14:34

Tgt Ion: 64 Resp: 70472

Ion Ratio Lower Upper

64 100

66 27.4 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

30000

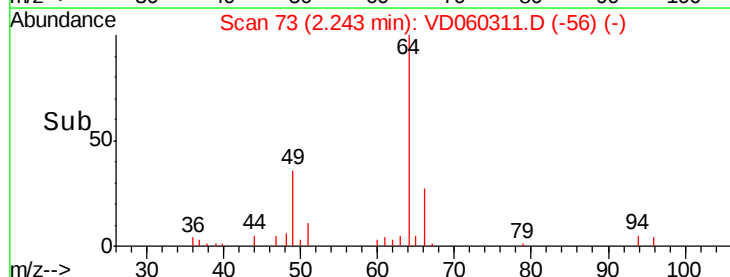
20000

10000

0

Time-->

2.10 2.20 2.30 2.40 2.50





#7

Trichlorofluoromethane

Concen: 21.001 ug/l

RT: 2.50 min Scan# 99

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

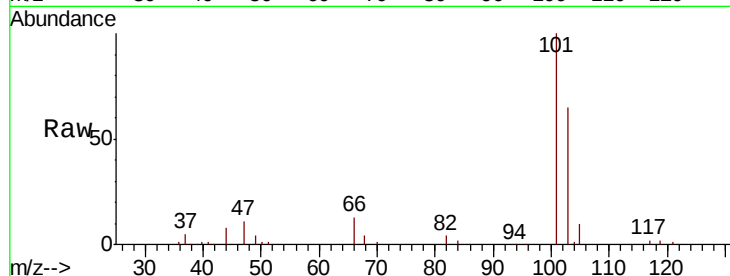
VD1109SBSD01

Tot Ion:101 Resp: 284840

Ion Ratio Lower Upper

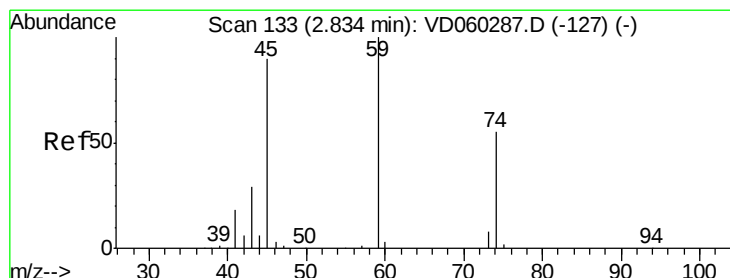
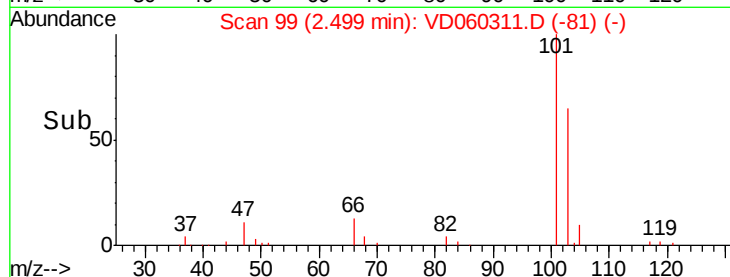
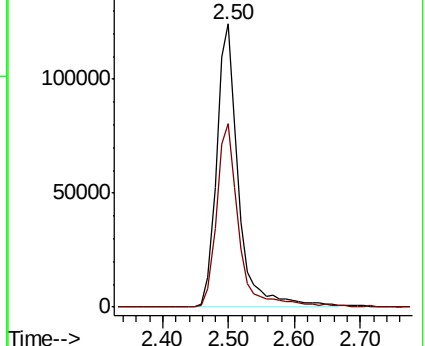
101 100

103 65.0 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 21.628 ug/l

RT: 2.81 min Scan# 131

Delta R.T. -0.02 min

Lab File: VD060311.D

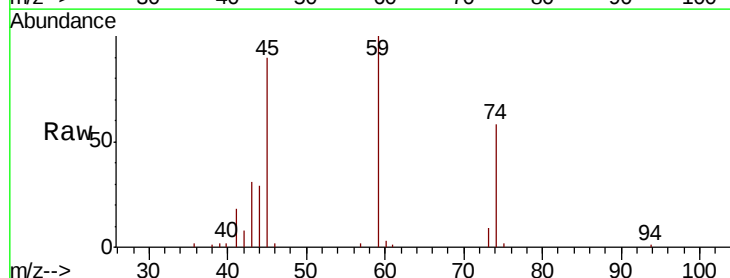
Acq: 9 Nov 2018 14:34

Tgt Ion: 74 Resp: 53110

Ion Ratio Lower Upper

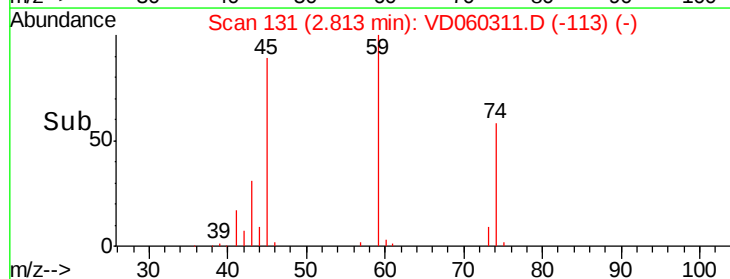
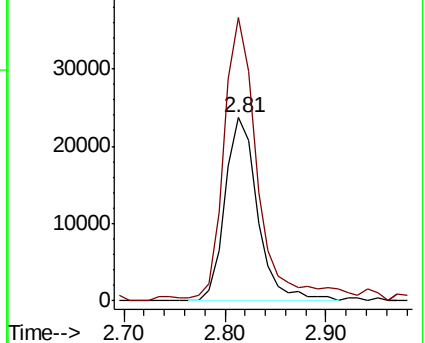
74 100

45 154.4 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.159 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

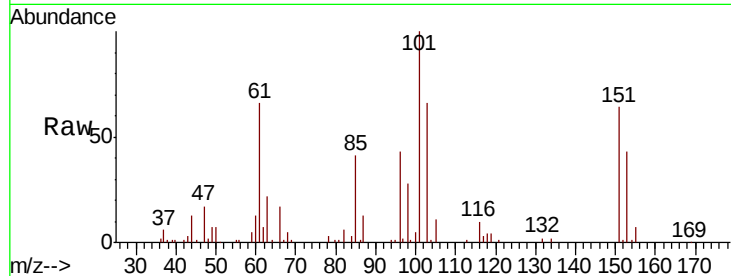
Tot Ion:101 Resp: 188757

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

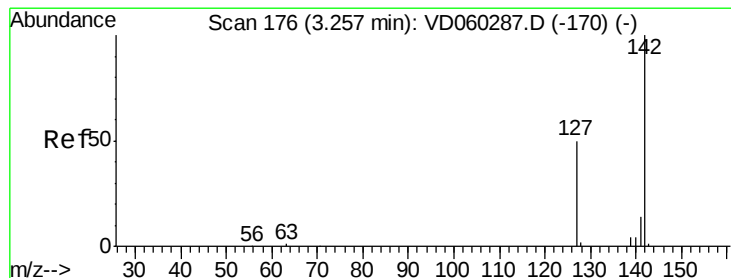
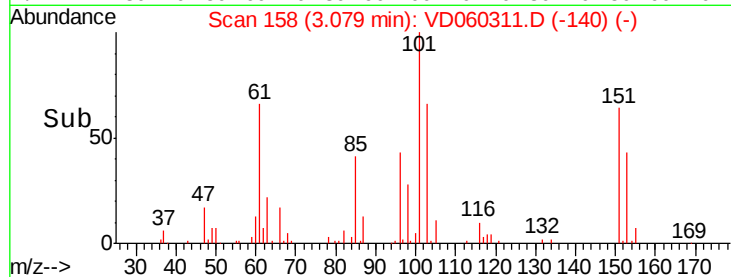
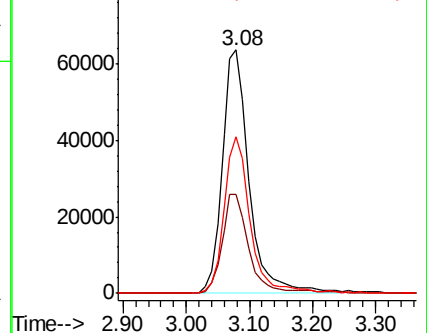
151 64.3 47.4 71.0



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: 20.378 ug/l

RT: 3.24 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

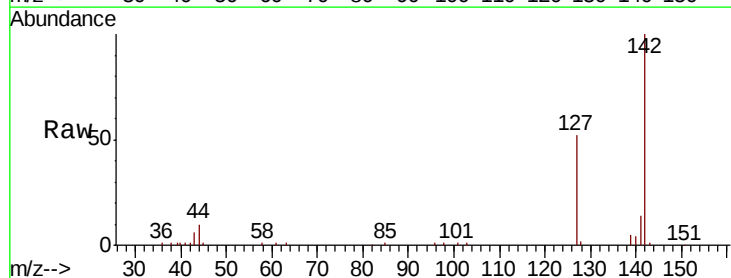
Tgt Ion:142 Resp: 236113

Ion Ratio Lower Upper

142 100

127 52.2 41.0 61.6

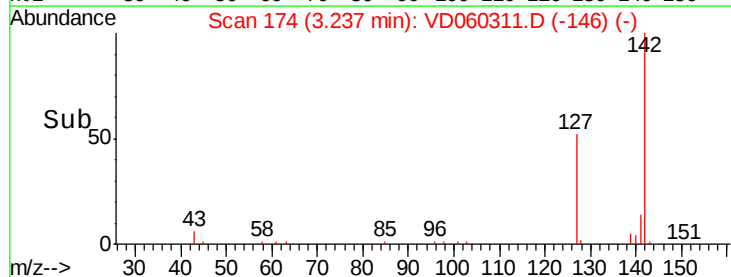
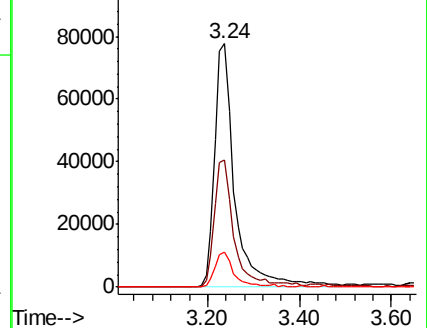
141 14.3 11.9 17.9

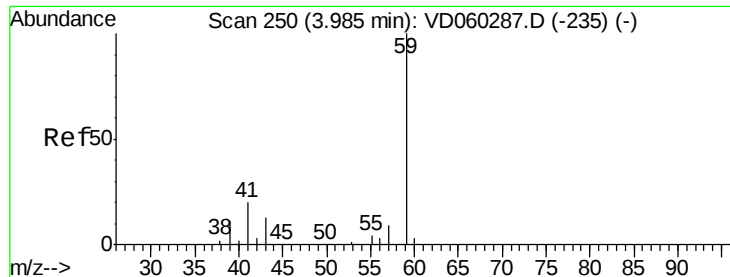


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

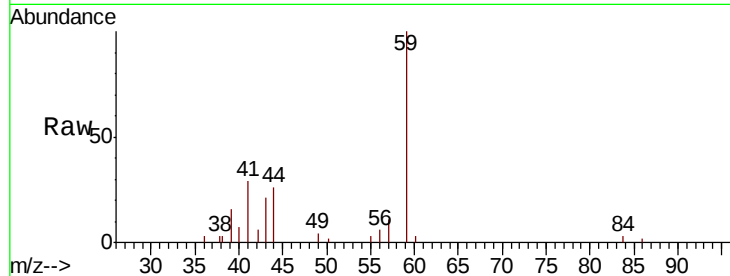




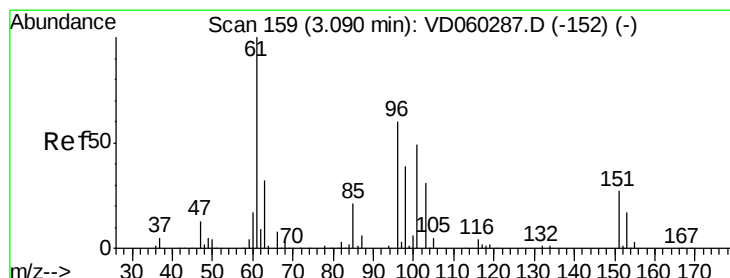
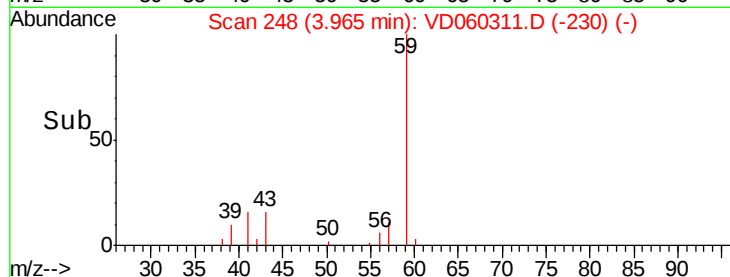
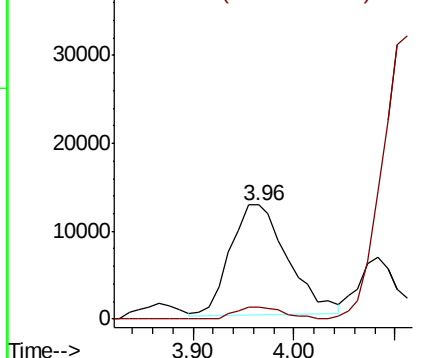
#11
Tert butyl alcohol
Concen: 114.300 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion: 59 Resp: 49978
Ion Ratio Lower Upper
59 100
57 10.7 9.3 13.9

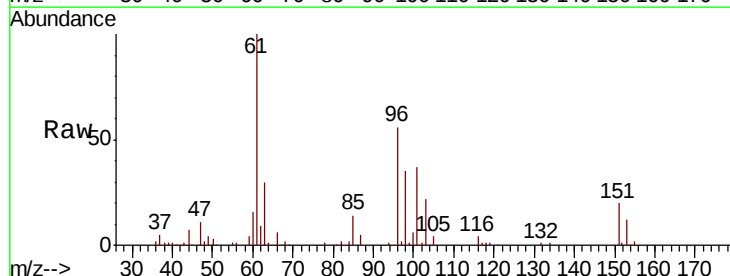


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

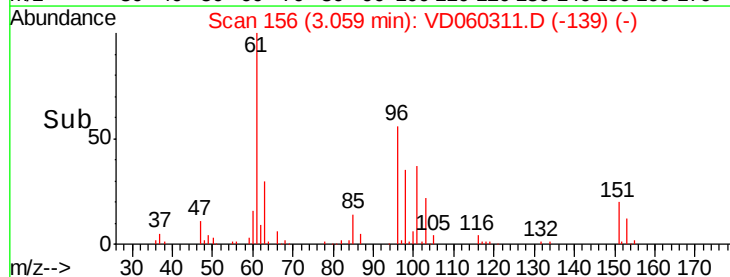
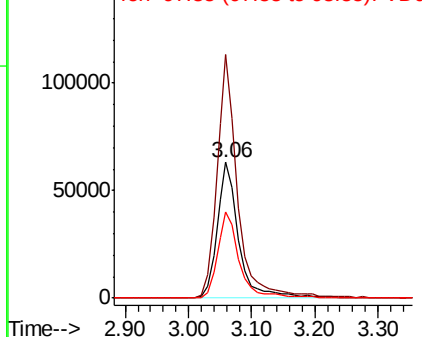


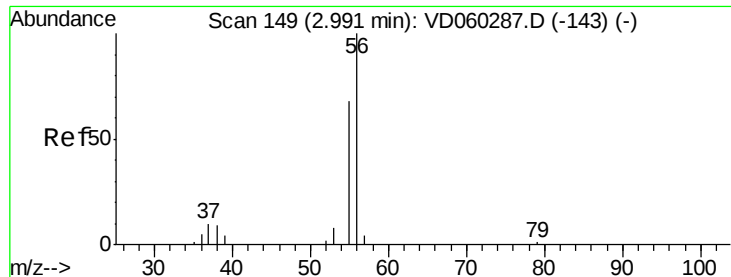
#12
1,1-Dichloroethene
Concen: 20.784 ug/l
RT: 3.06 min Scan# 156
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 96 Resp: 150813
Ion Ratio Lower Upper
96 100
61 179.7 142.2 213.4
98 63.5 52.6 79.0



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





#13

Acrolein

Concen: 92.370 ug/l

RT: 2.97 min Scan# 147

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

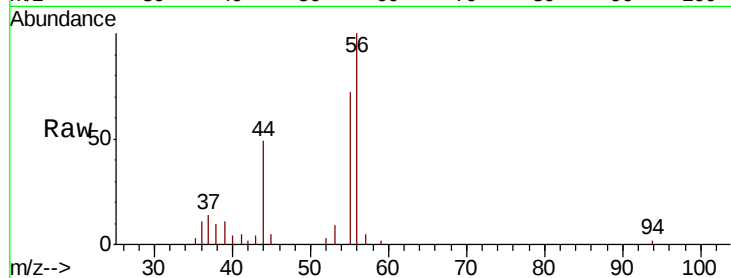
VD1109SBS01

Tot Ion: 56 Resp: 47724

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

20000

15000

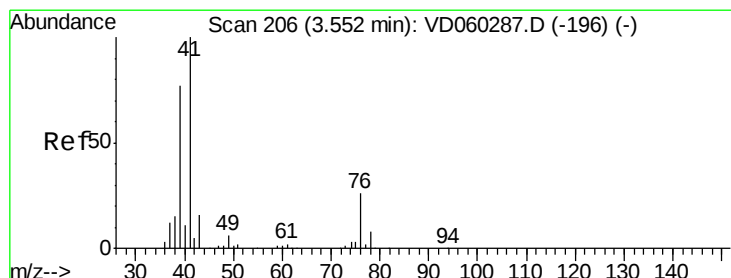
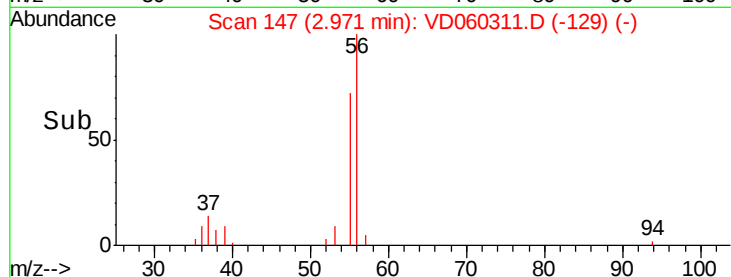
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 20.819 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

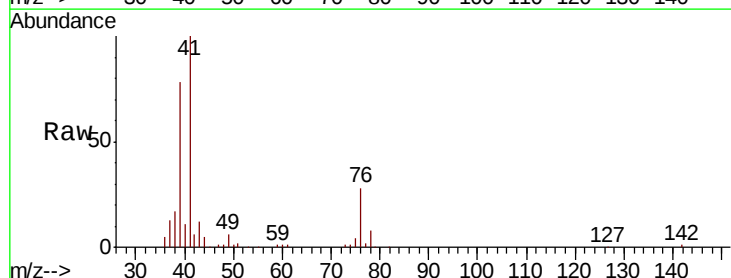
Tgt Ion: 41 Resp: 289049

Ion Ratio Lower Upper

41 100

39 78.4 60.4 90.6

76 28.0 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

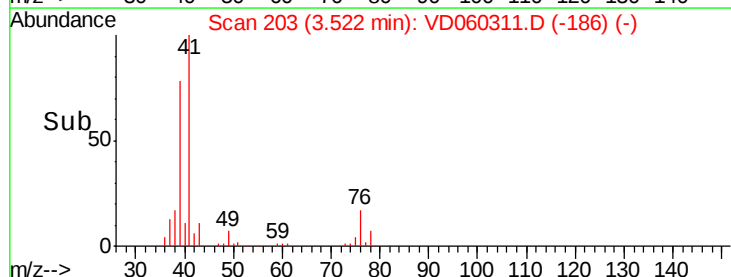
100000

50000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 113.583 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

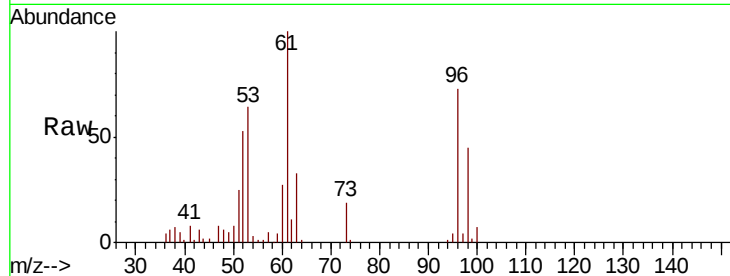
Tot Ion: 53 Resp: 289617

Ion Ratio Lower Upper

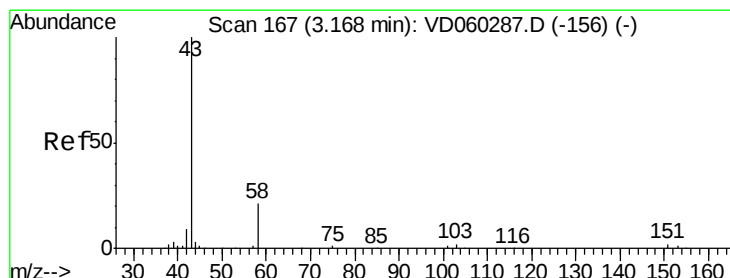
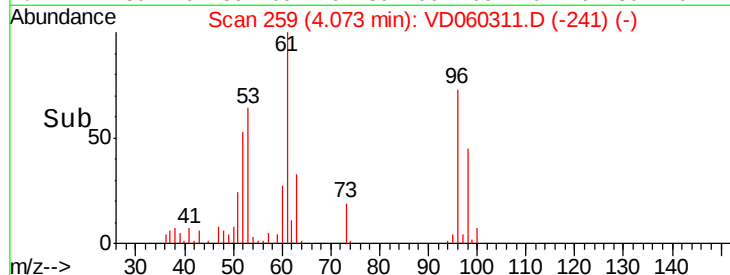
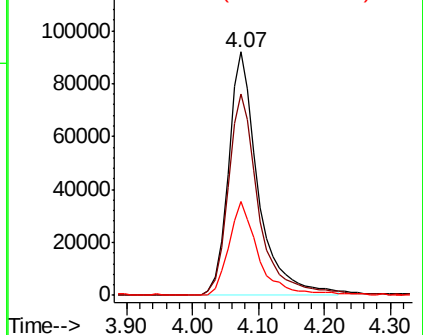
53 100

52 82.8 67.0 100.4

51 38.7 29.9 44.9



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: 101.622 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060311.D

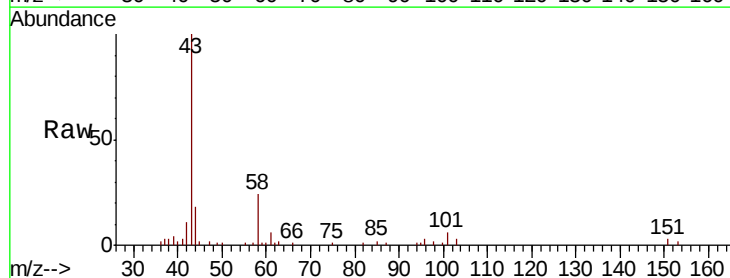
Acq: 9 Nov 2018 14:34

Tgt Ion: 43 Resp: 187700

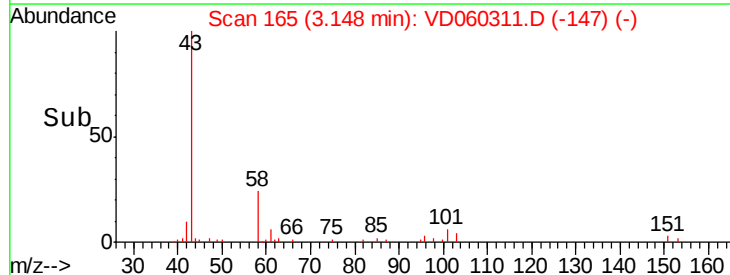
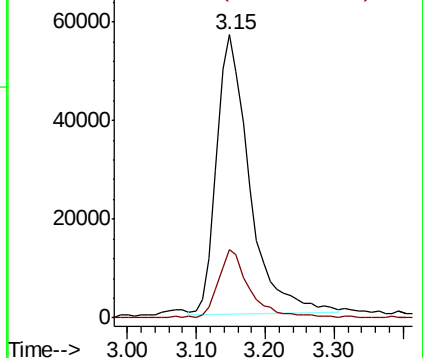
Ion Ratio Lower Upper

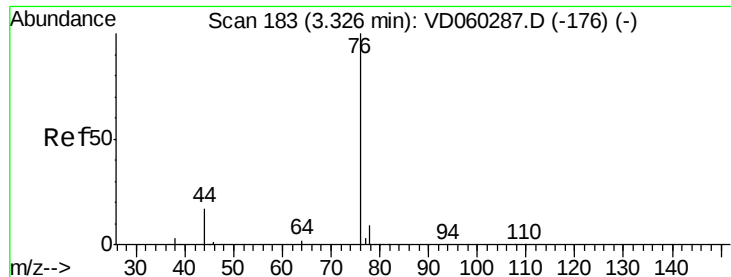
43 100

58 24.0 16.9 25.3



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

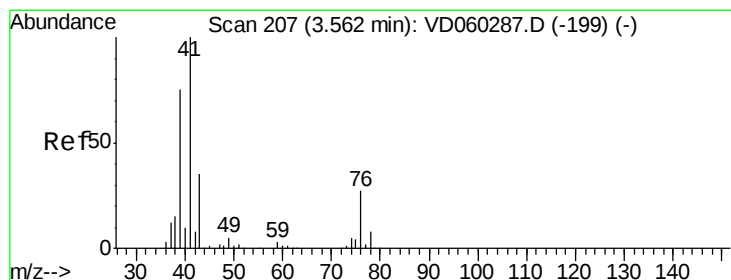
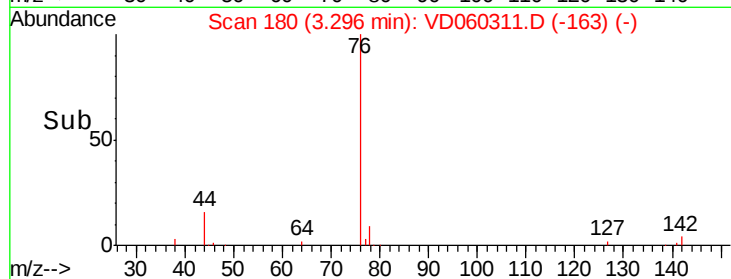
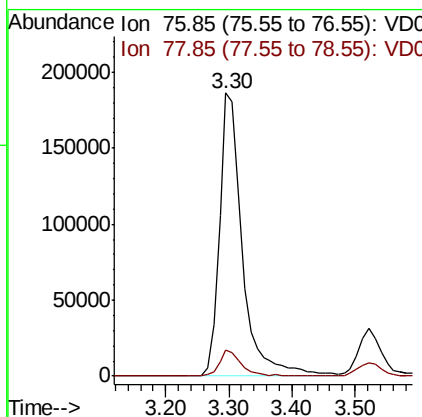
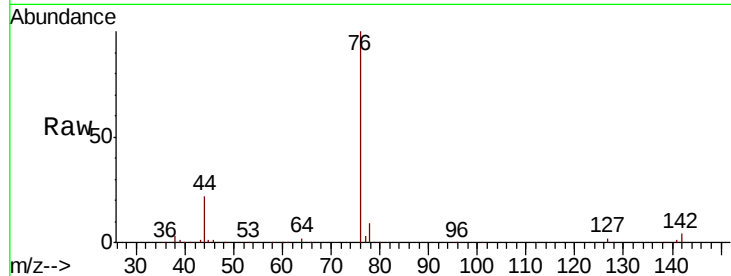




#17
Carbon Disulfide
Concen: 20.230 ug/l
RT: 3.30 min Scan# 180
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

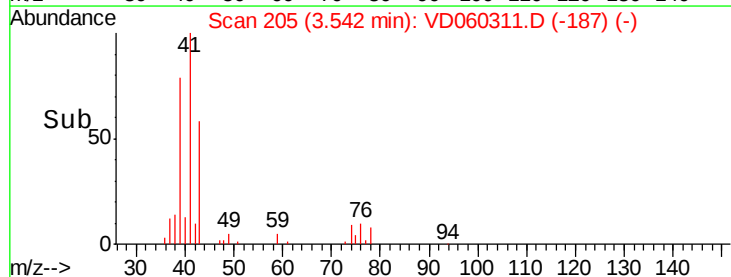
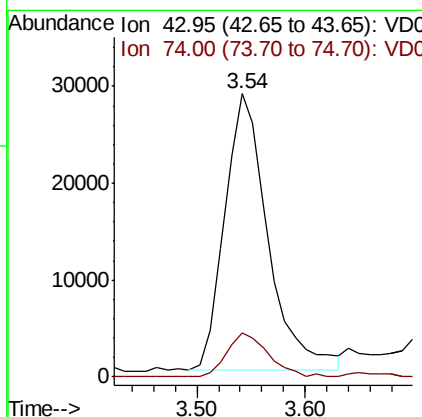
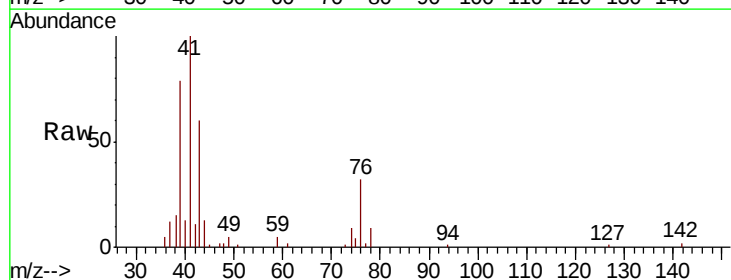
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

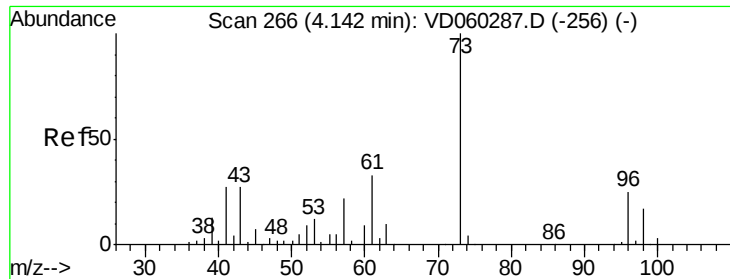
Tot Ion: 76 Resp: 473815
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 20.188 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 43 Resp: 79505
Ion Ratio Lower Upper
43 100
74 15.5 12.4 18.6

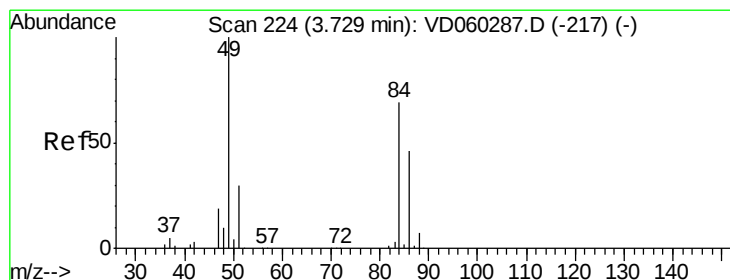
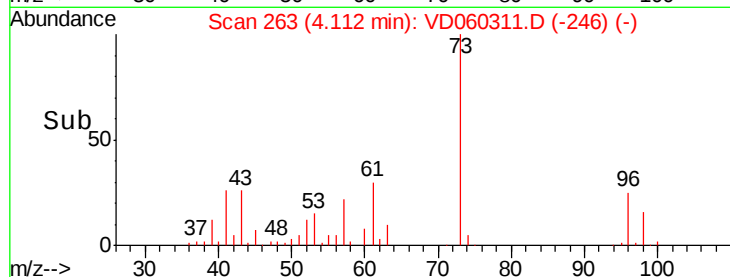
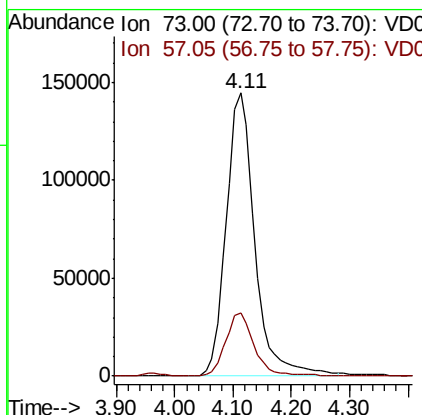
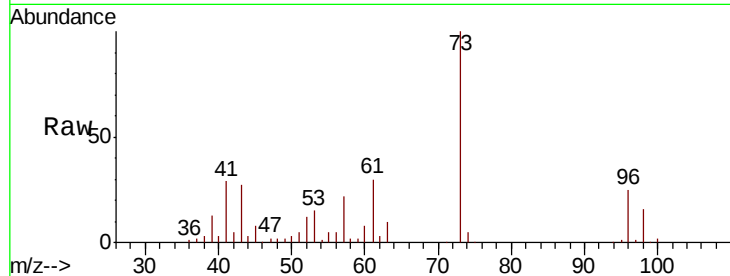




#19
Methyl tert-butyl Ether
Concen: 22.745 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

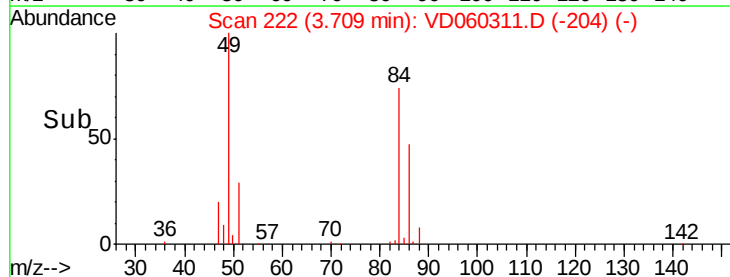
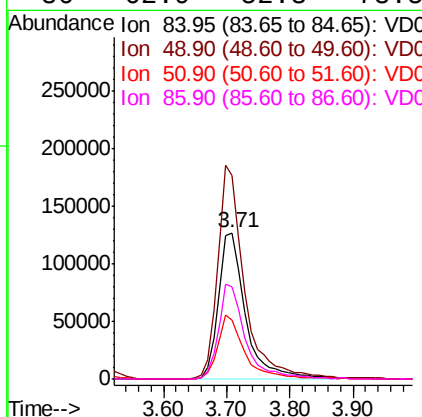
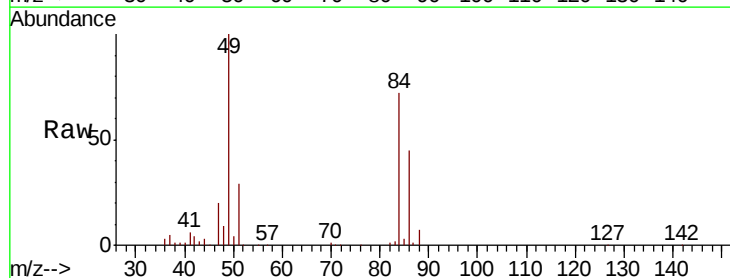
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

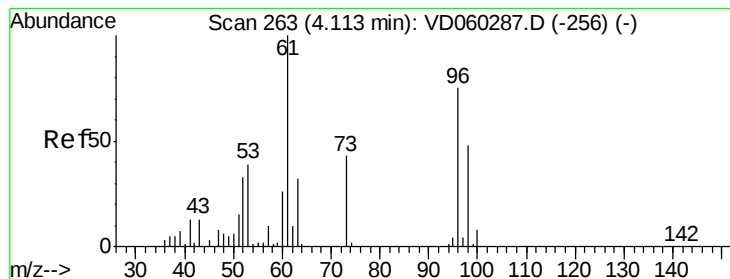
Tot Ion: 73 Resp: 494202
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 23.528 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 84 Resp: 385492
Ion Ratio Lower Upper
84 100
49 138.9 115.6 173.4
51 40.0 35.6 53.4
86 62.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.811 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

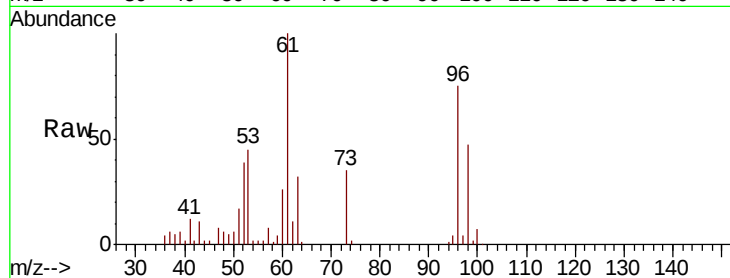
Tot Ion: 96 Resp: 351412

Ion Ratio Lower Upper

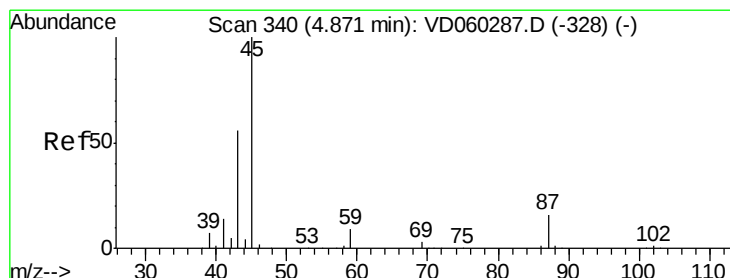
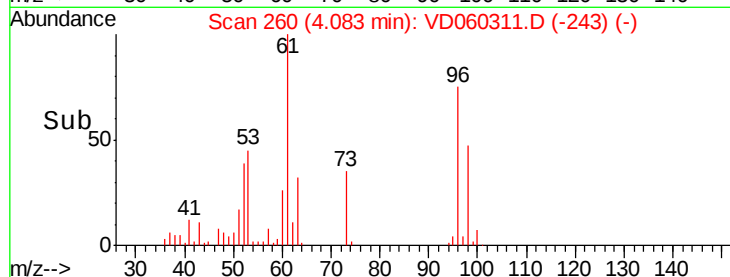
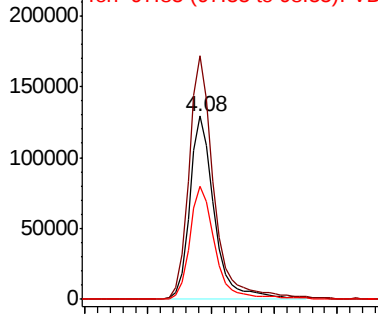
96 100

61 133.1 105.8 158.6

98 62.1 50.8 76.2



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



#22

Diisopropyl ether

Concen: 23.083 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Tgt Ion: 45 Resp: 1197364

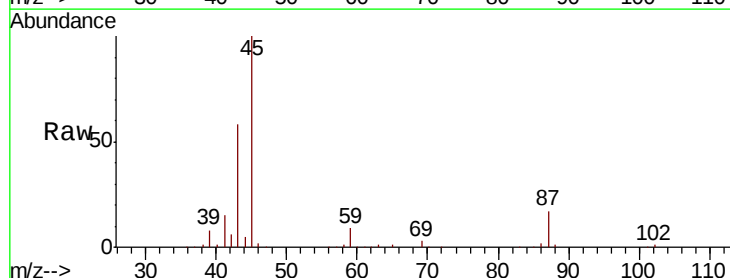
Ion Ratio Lower Upper

45 100

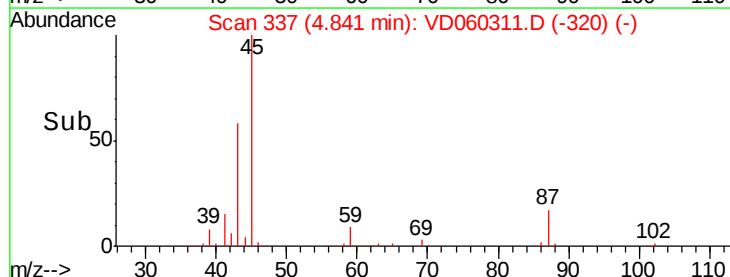
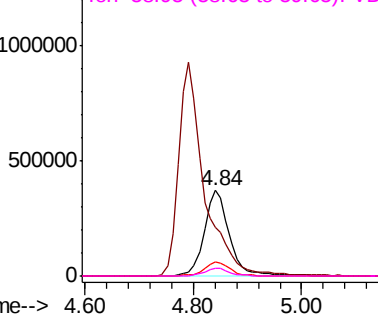
43 57.6 44.9 67.3

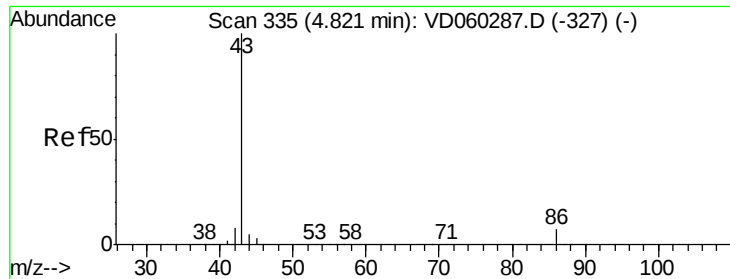
87 16.8 13.9 20.9

59 8.7 7.0 10.6



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

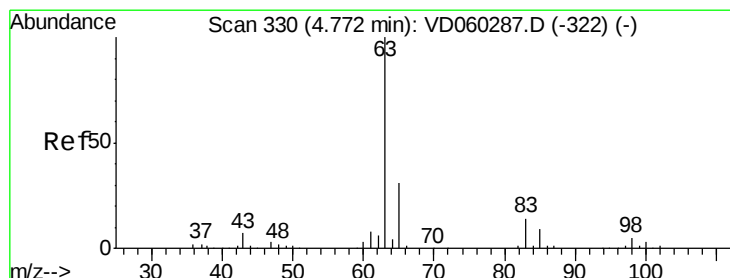
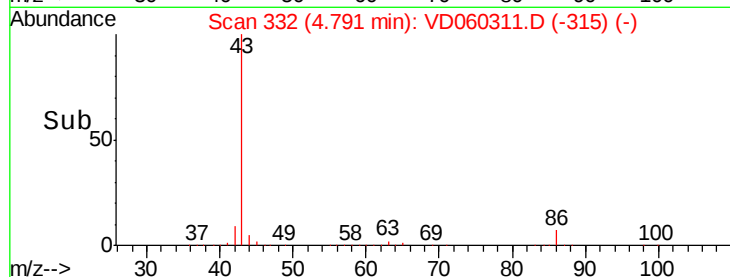
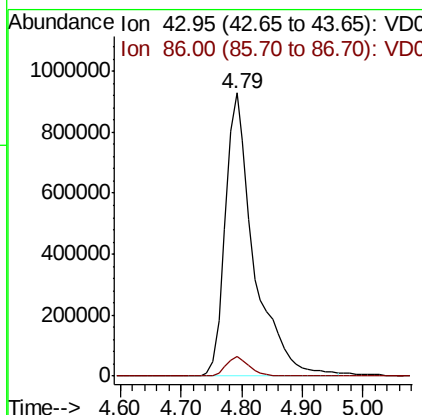
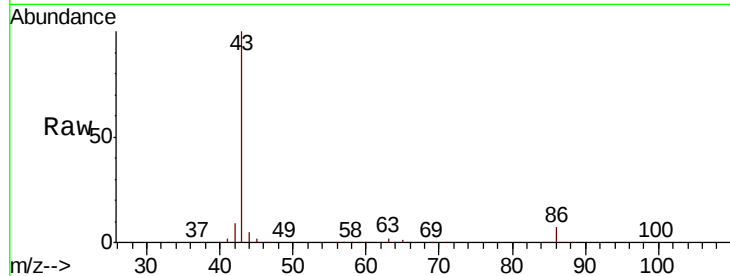




#23
 Vinyl Acetate
 Concen: 117.994 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. -0.03 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

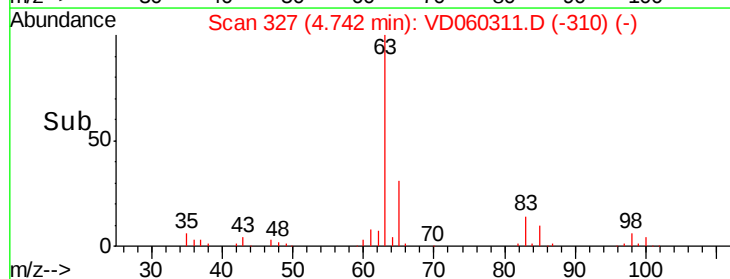
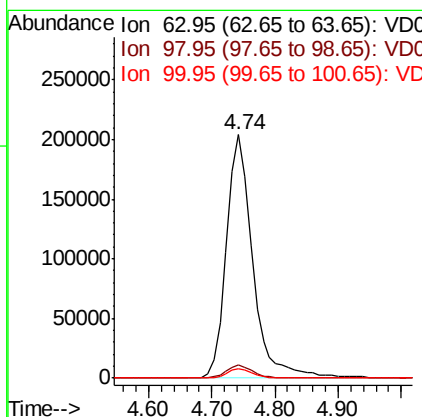
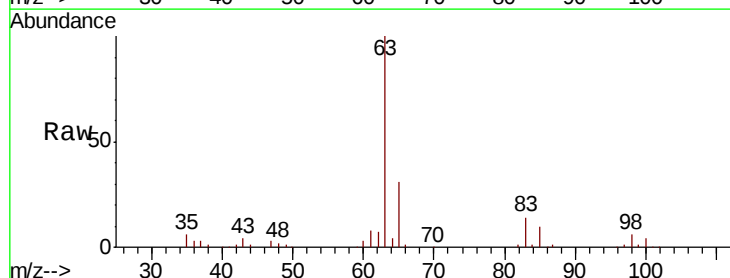
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1109SBSD01

Tot Ion: 43 Resp: 3045477
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 22.082 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. -0.03 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion: 63 Resp: 587367
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.8 8.4
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 117.769 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

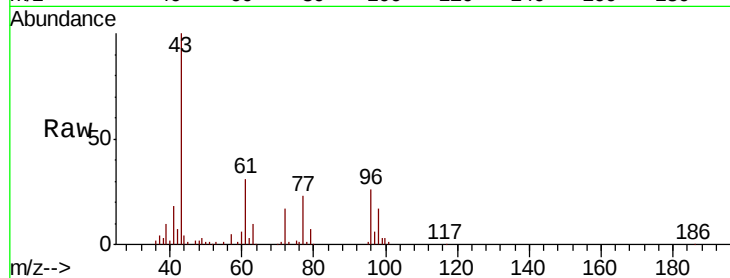
VD1109SBS01

Tot Ion: 43 Resp: 452136

Ion Ratio Lower Upper

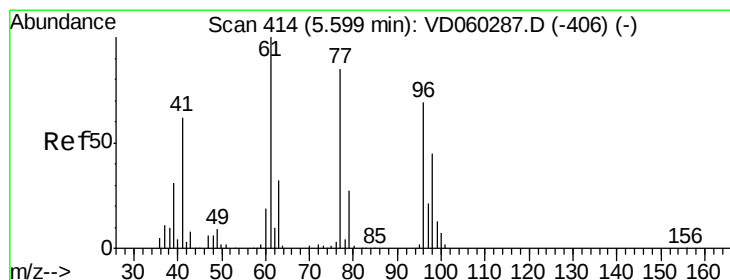
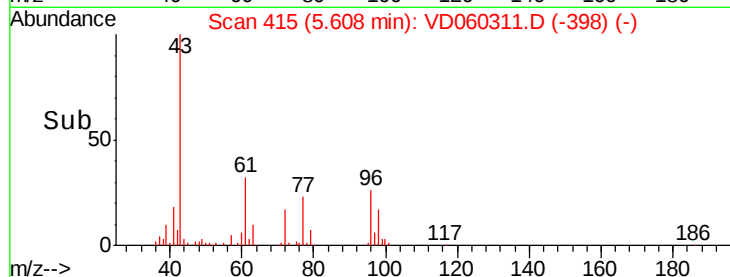
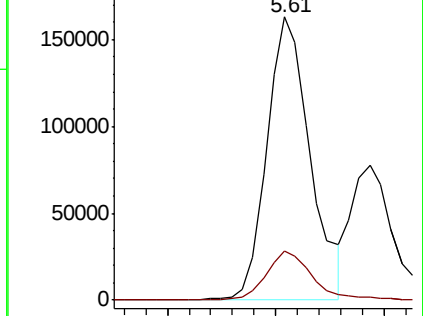
43 100

72 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.707 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060311.D

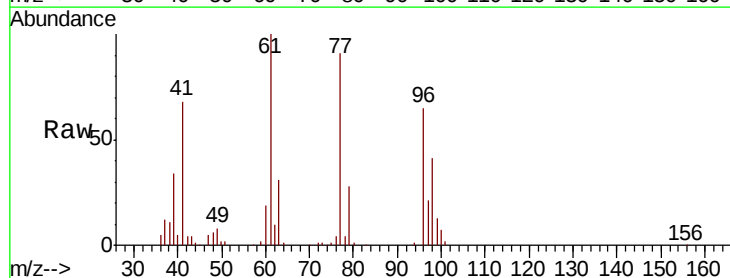
Acq: 9 Nov 2018 14:34

Tgt Ion: 77 Resp: 469590

Ion Ratio Lower Upper

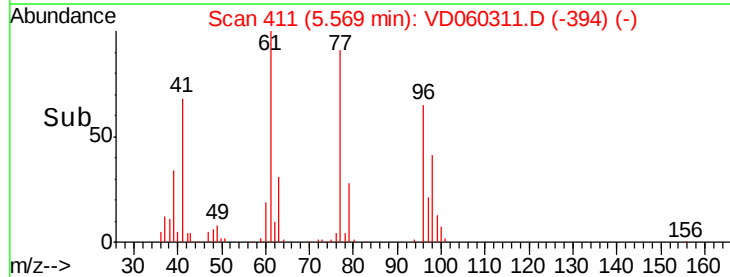
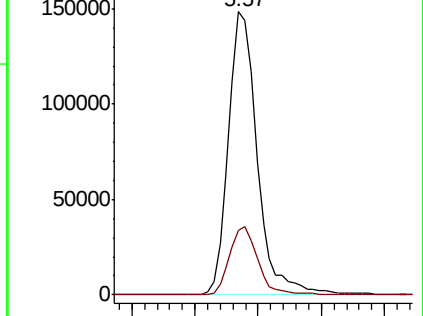
77 100

97 22.8 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



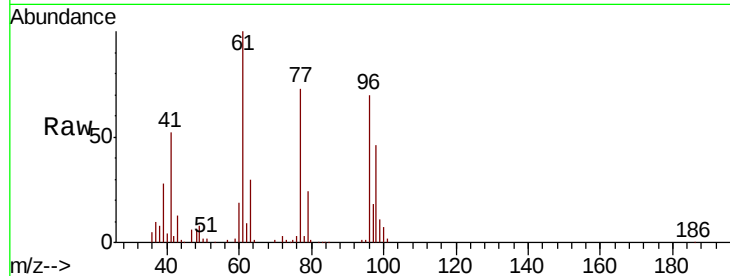


#27

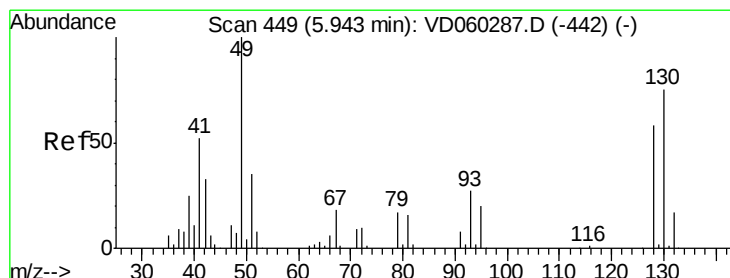
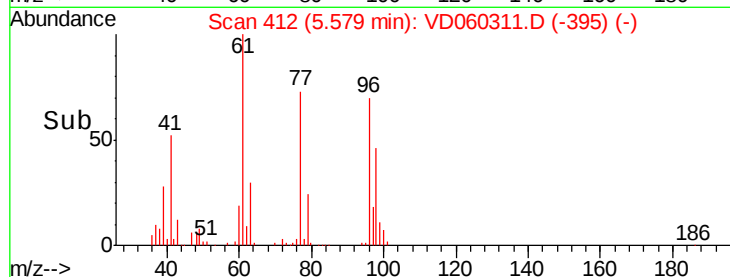
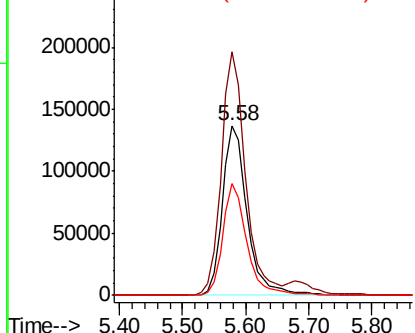
cis-1,2-Dichloroethene
Concen: 22.153 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion: 96 Resp: 371836
Ion Ratio Lower Upper
96 100
61 143.3 0.0 259.0
98 65.6 0.0 128.8



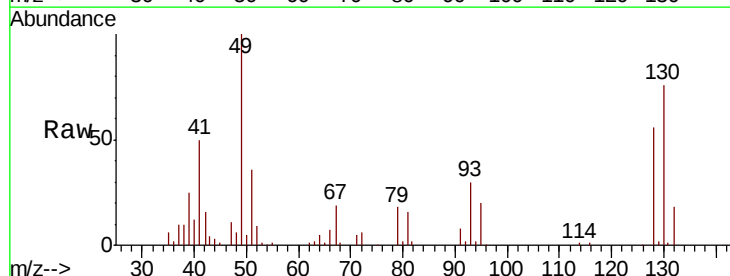
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



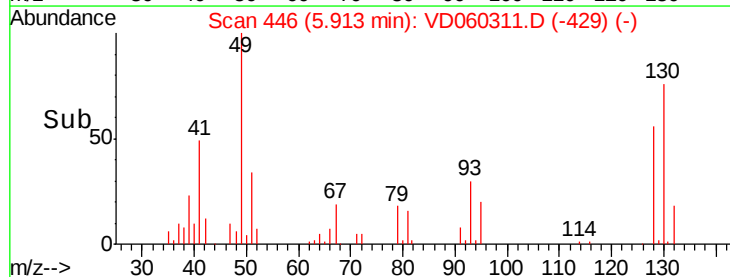
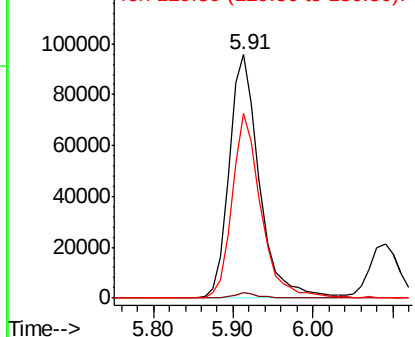
#28

Bromochloromethane
Concen: 21.520 ug/l
RT: 5.91 min Scan# 446
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 49 Resp: 252568
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.8
130 75.9 53.6 80.4



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

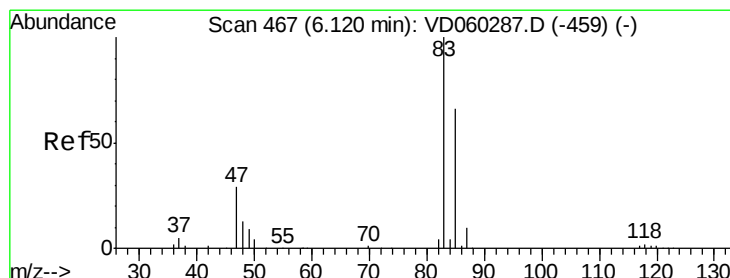
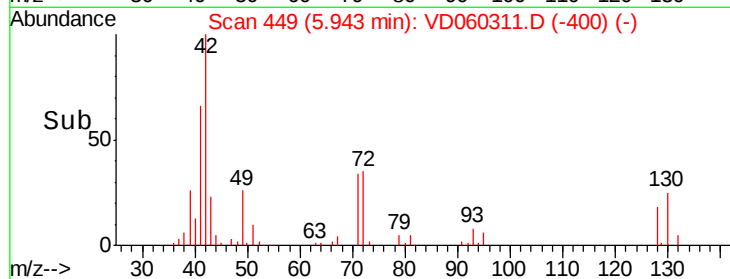
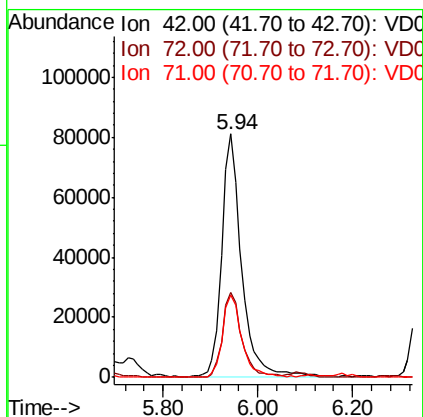
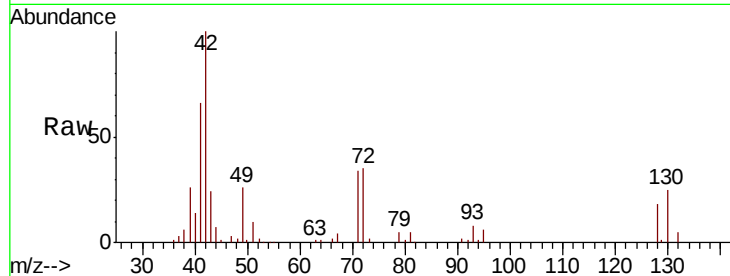




#29
Tetrahydrofuran
Concen: 117.330 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

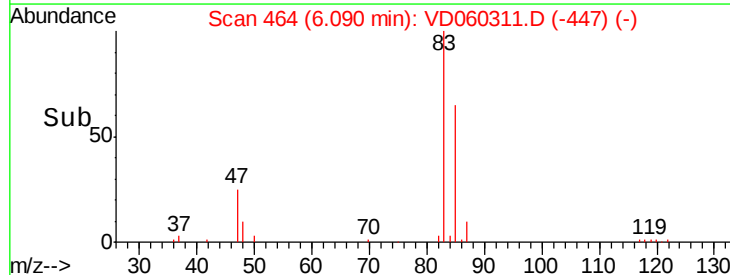
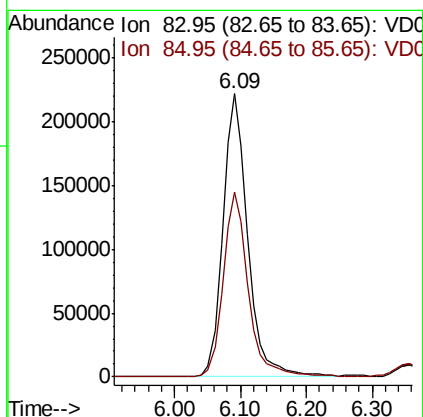
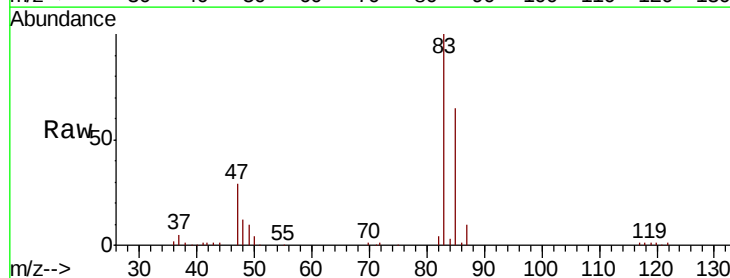
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

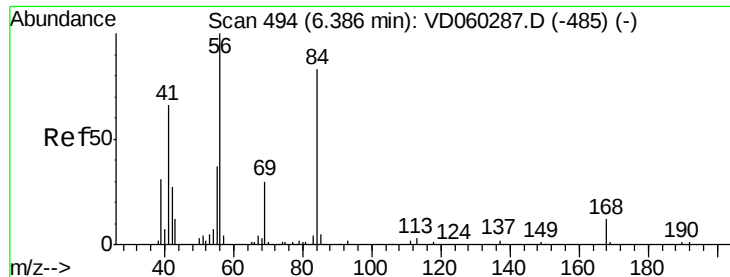
Tot Ion: 42 Resp: 237491
Ion Ratio Lower Upper
42 100
72 33.4 27.6 41.4
71 32.5 26.5 39.7



#30
Chloroform
Concen: 21.904 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 83 Resp: 582462
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7

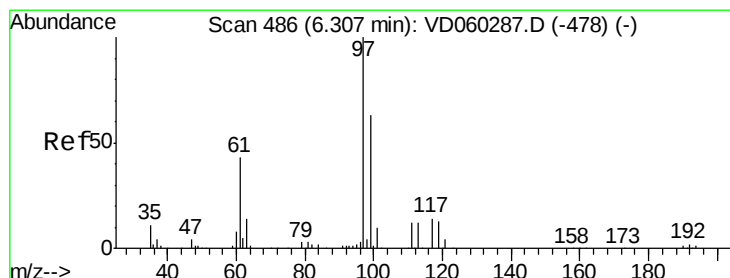
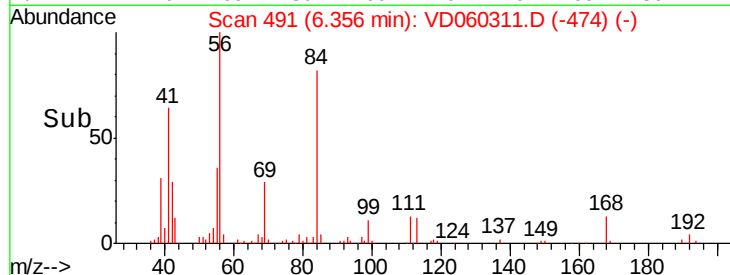
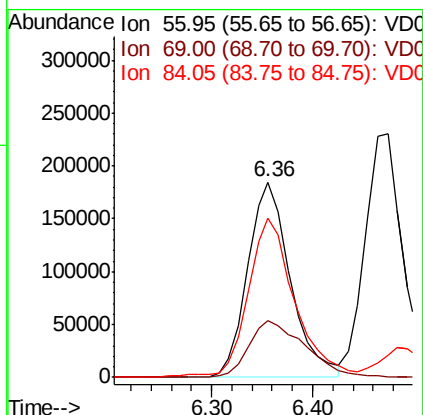
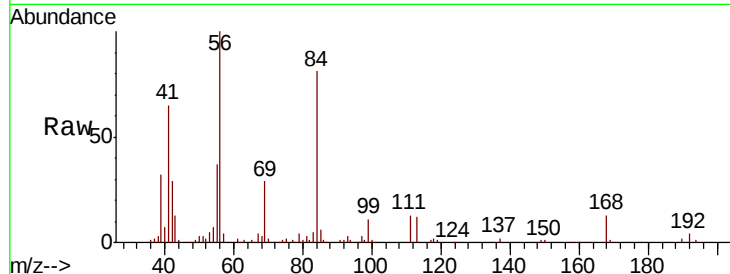




#31
Cvclohexane
Concen: 21.403 ug/l
RT: 6.36 min Scan# 491
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

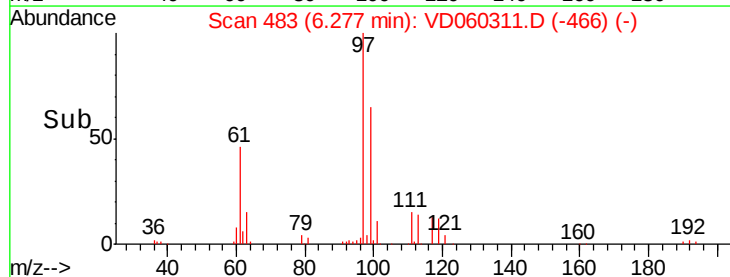
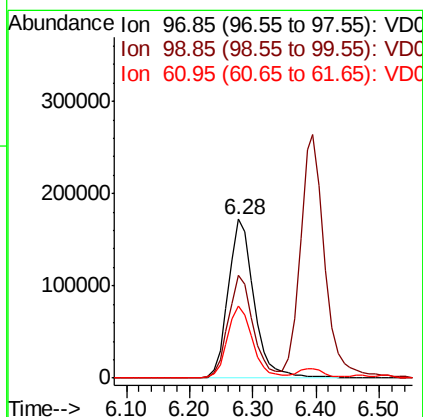
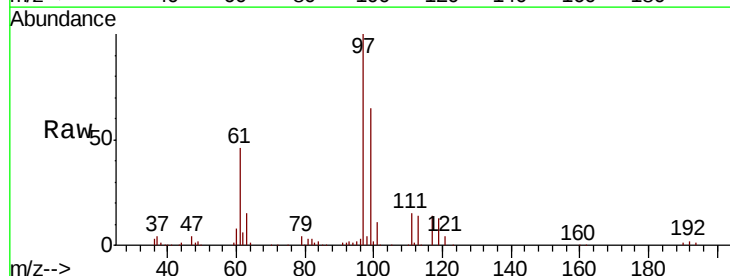
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

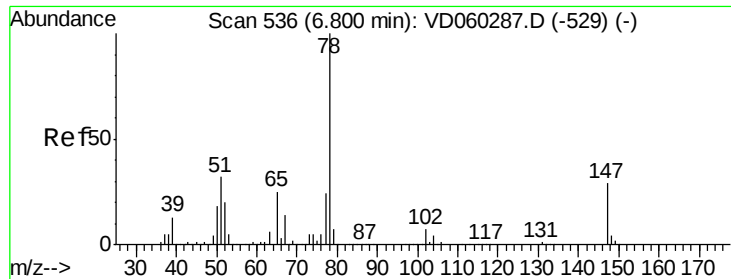
Tot Ion: 56 Resp: 544145
Ion Ratio Lower Upper
56 100
69 29.2 22.2 33.2
84 81.4 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 21.658 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 97 Resp: 485134
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 45.7 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 21.658 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

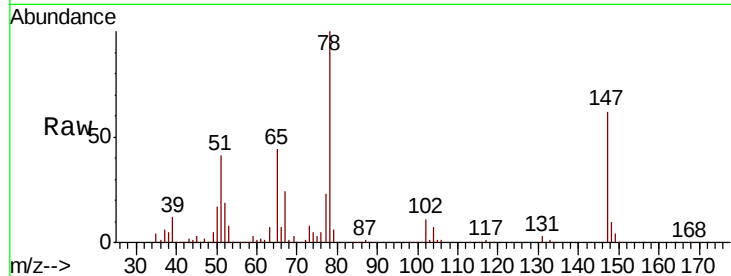
VD1109SBSD01

Tot Ion: 65 Resp: 522007

Ion Ratio Lower Upper

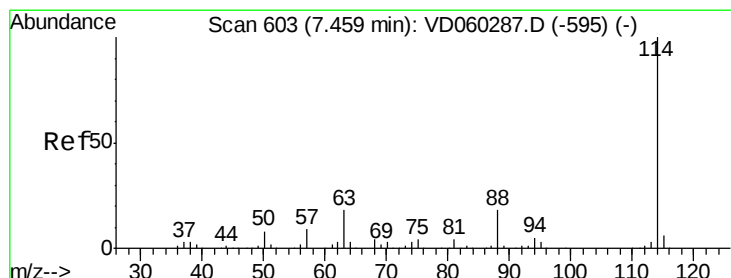
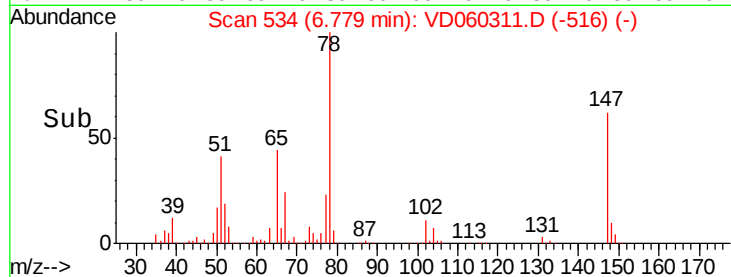
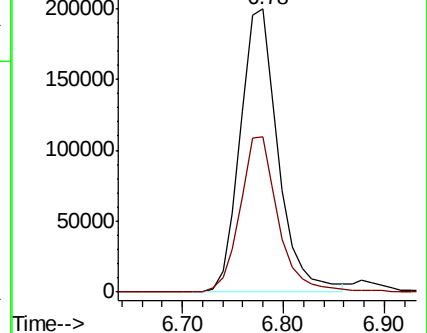
65 100

67 54.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

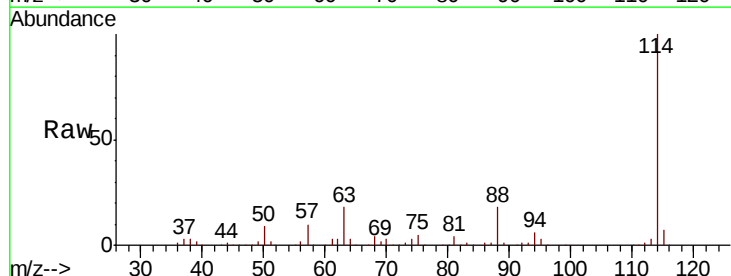
Tgt Ion: 114 Resp: 2017241

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.0

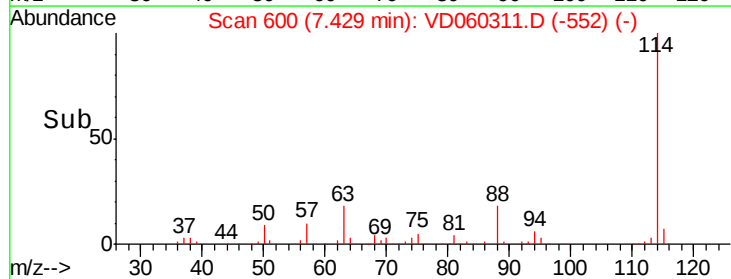
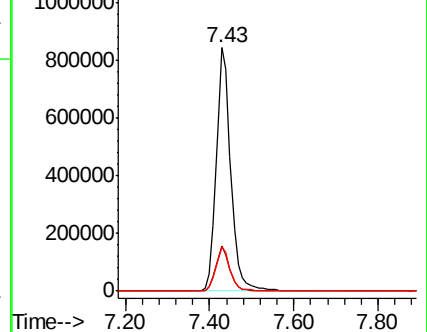
88 17.9 0.0 35.4

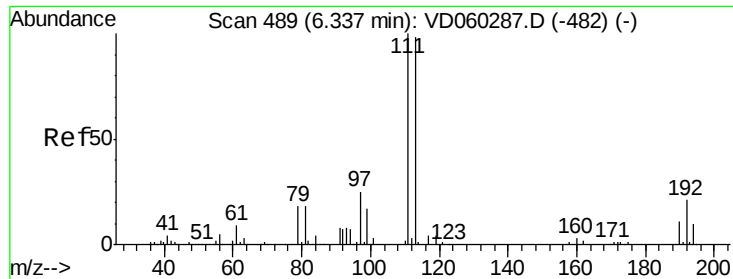


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

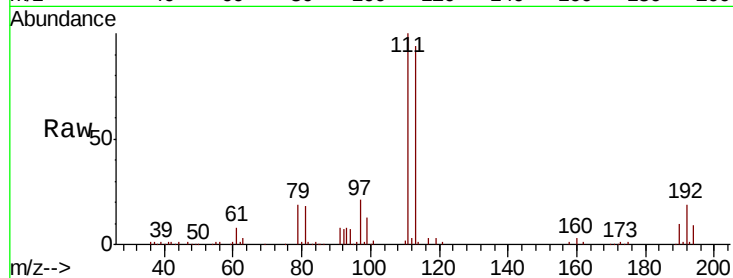




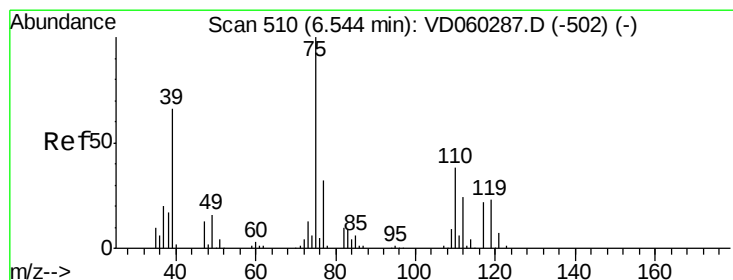
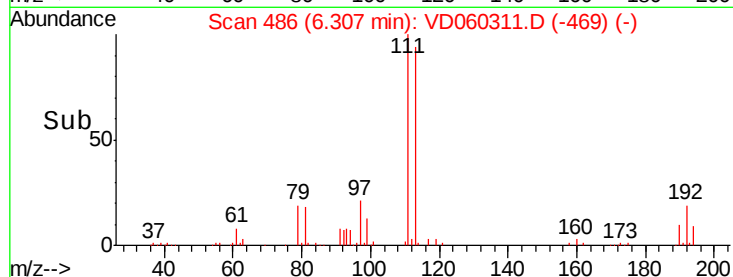
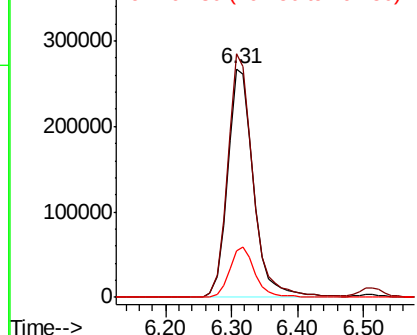
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

Tot Ion:113 Resp: 735804
 Ion Ratio Lower Upper
 113 100
 111 106.6 81.6 122.4
 192 20.4 16.5 24.7

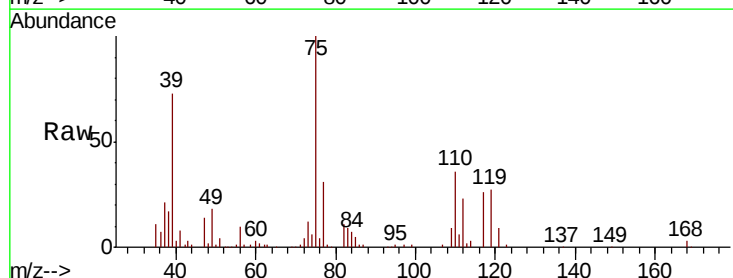


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

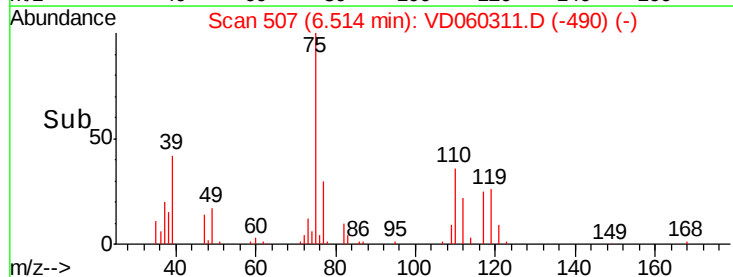
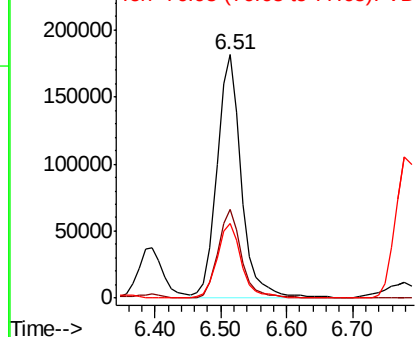


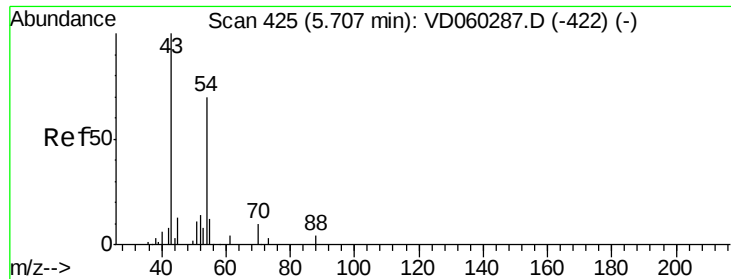
#36
 1,1-Dichloropropene
 Concen: 22.966 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion: 75 Resp: 457701
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.0 54.0
 77 30.8 25.6 38.4



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

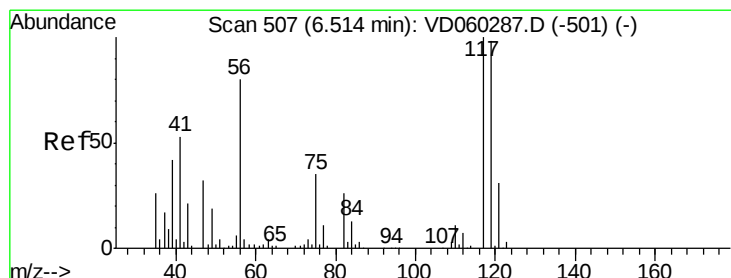
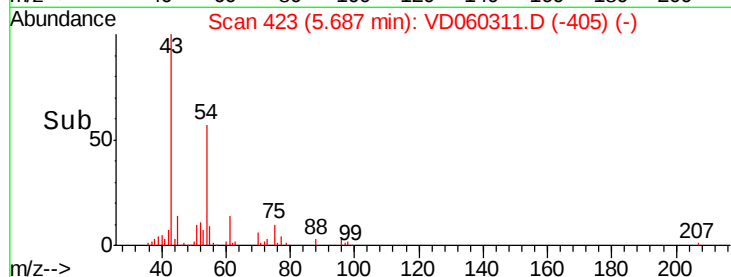
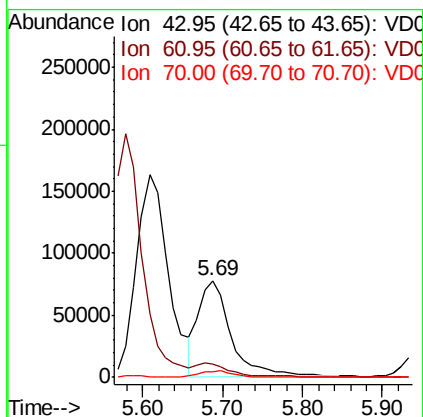
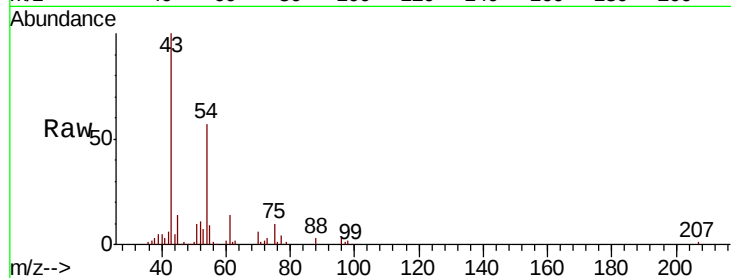




#37
Ethyl Acetate
Concen: 23.371 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

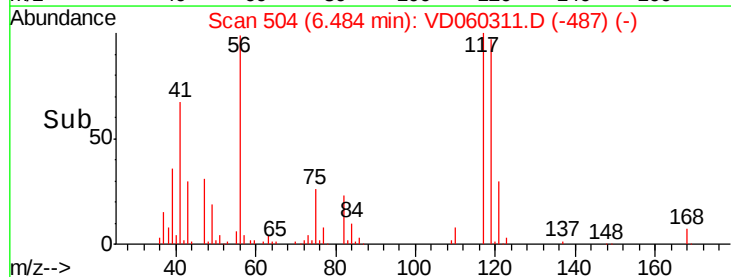
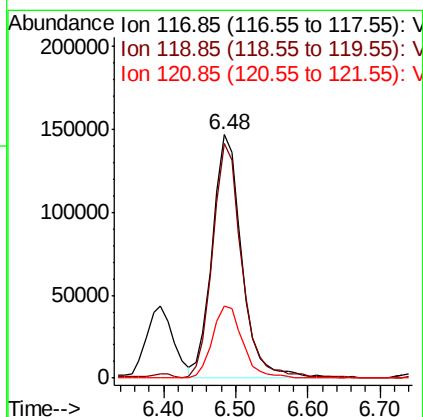
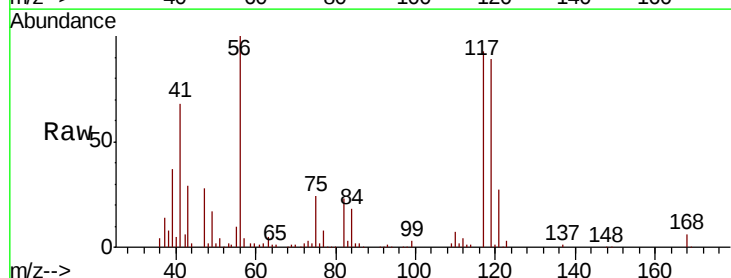
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

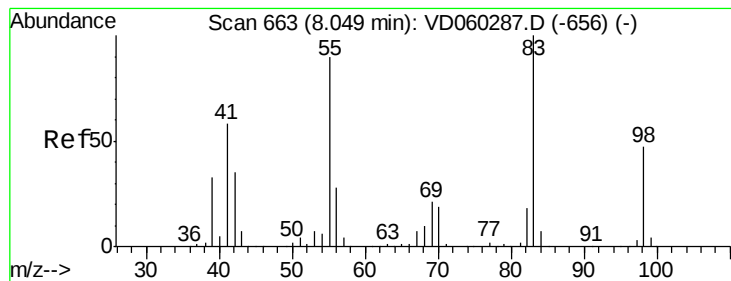
Tot Ion: 43 Resp: 214328
Ion Ratio Lower Upper
43 100
61 14.1 11.8 17.6
70 6.3 6.2 9.4



#38
Carbon Tetrachloride
Concen: 22.101 ug/l
RT: 6.48 min Scan# 504
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 117 Resp: 408581
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0
121 29.5 24.3 36.5





#39

Methvlcvclohexane

Concen: 22.609 ug/l

RT: 8.03 min Scan# 661

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

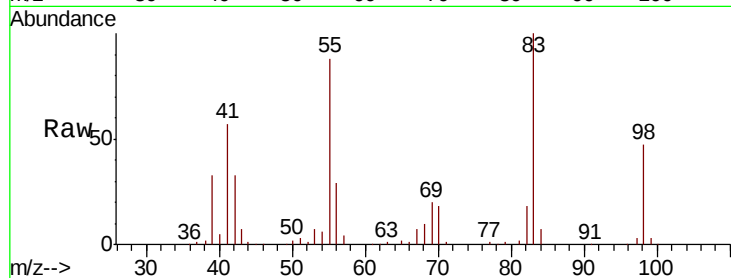
Tot Ion: 83 Resp: 518253

Ion Ratio Lower Upper

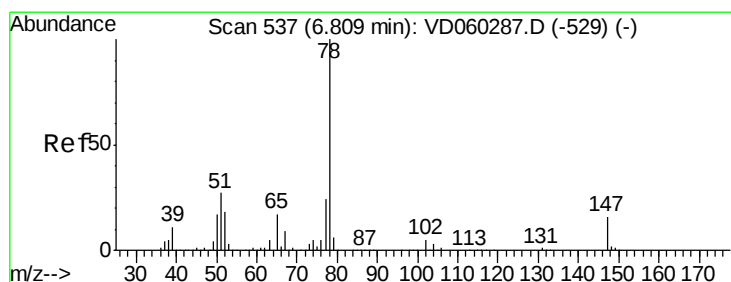
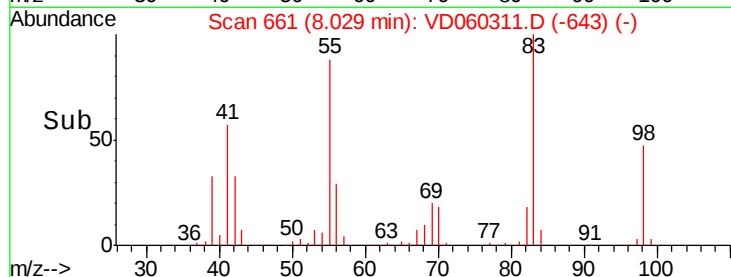
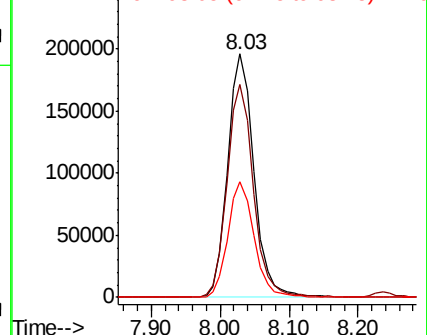
83 100

55 87.5 71.2 106.8

98 47.4 38.4 57.6



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



#40

Benzene

Concen: 23.117 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.03 min

Lab File: VD060311.D

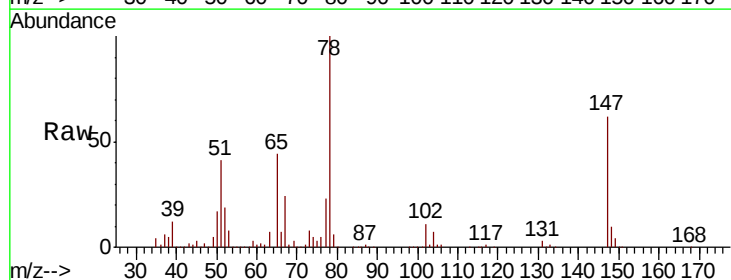
Acq: 9 Nov 2018 14:34

Tgt Ion: 78 Resp: 1176023

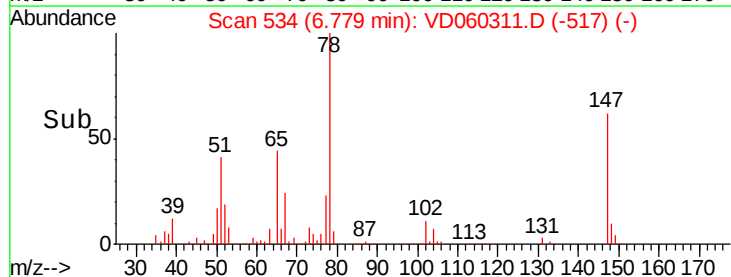
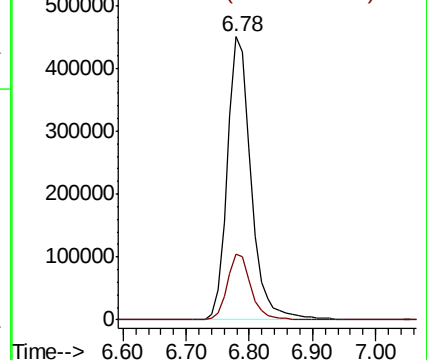
Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



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





#41

Methacrylonitrile

Concen: 24.129 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 41 Resp: 253271

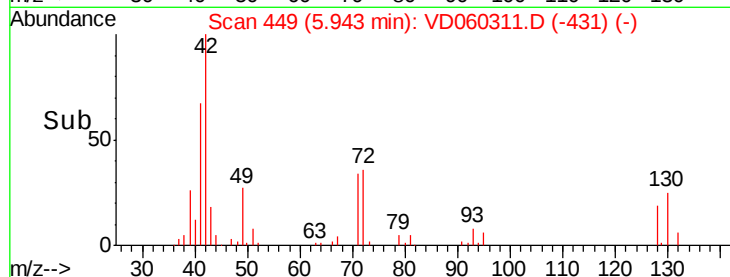
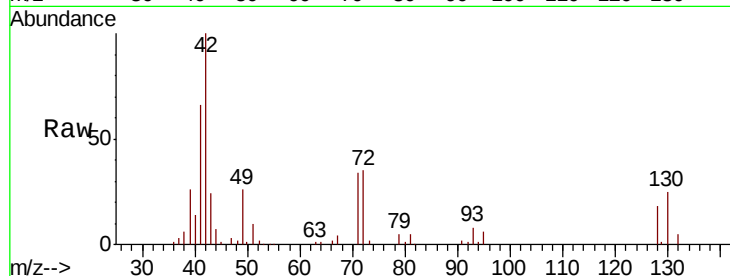
Ion Ratio Lower Upper

41 100

39 39.1 36.2 54.2

67 6.4 11.9 17.9#

52 3.2 5.2 7.8#

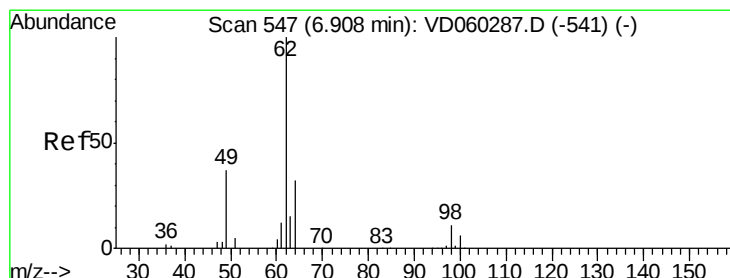
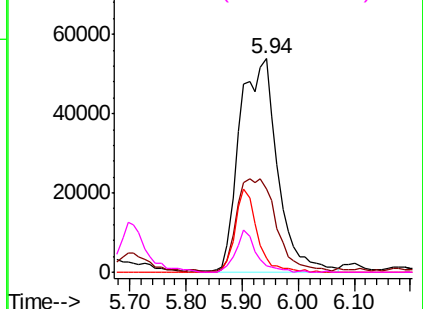


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 23.368 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD060311.D

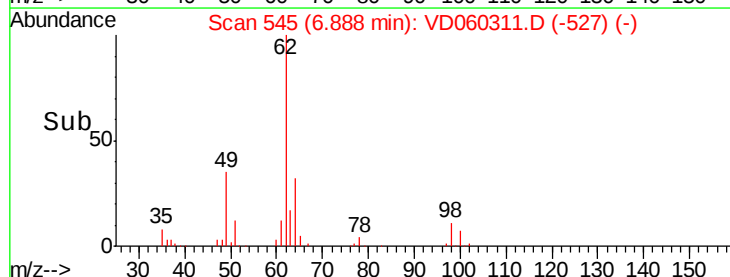
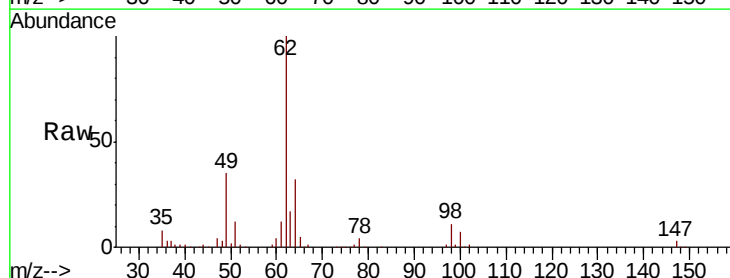
Acq: 9 Nov 2018 14:34

Tgt Ion: 62 Resp: 311156

Ion Ratio Lower Upper

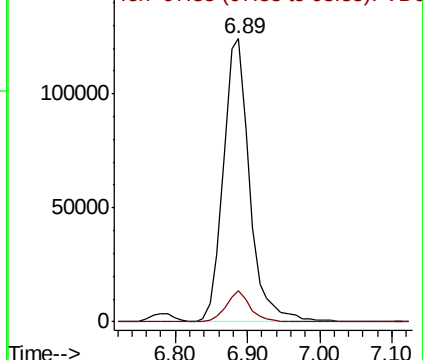
62 100

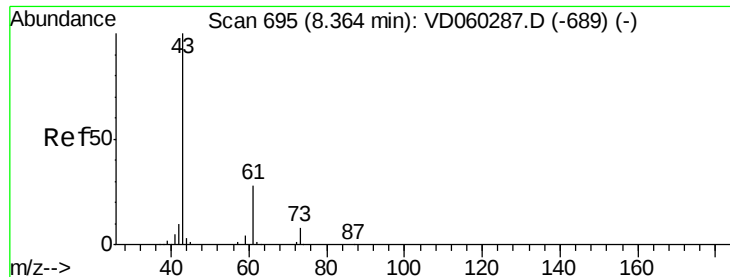
98 11.2 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.094 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

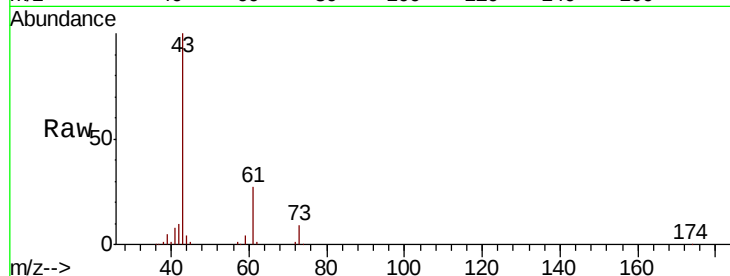
Tot Ion: 43 Resp: 266034

Ion Ratio Lower Upper

43 100

61 27.1 22.3 33.5

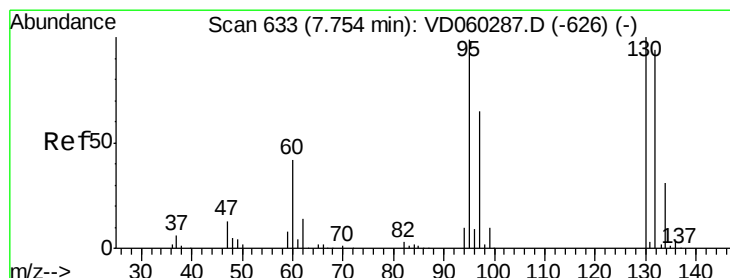
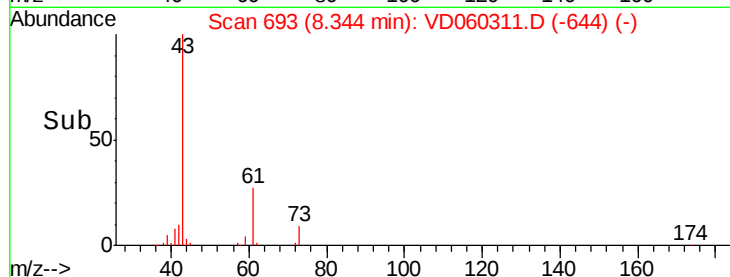
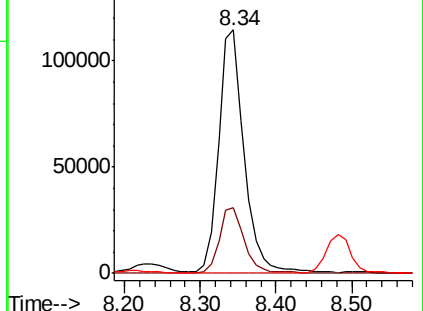
87 0.0 0.2 0.2#



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: 22.784 ug/l

RT: 7.73 min Scan# 631

Delta R.T. -0.02 min

Lab File: VD060311.D

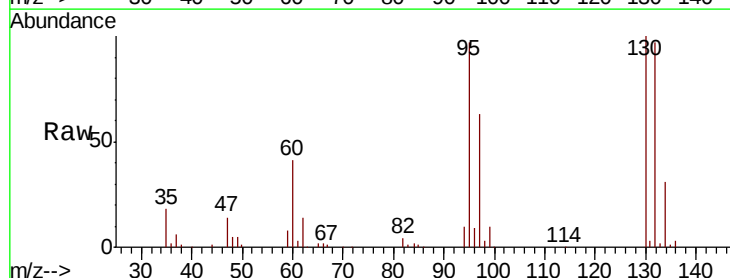
Acq: 9 Nov 2018 14:34

Tgt Ion:130 Resp: 351359

Ion Ratio Lower Upper

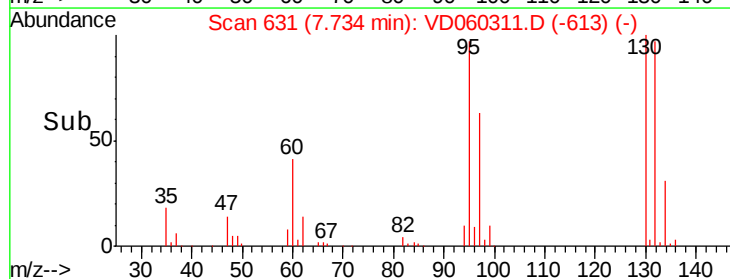
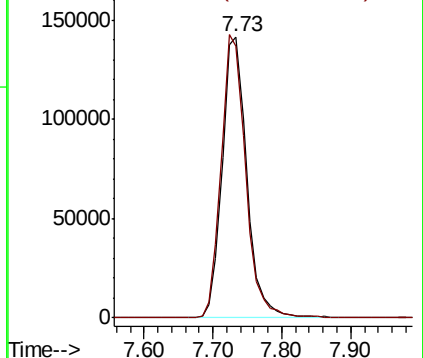
130 100

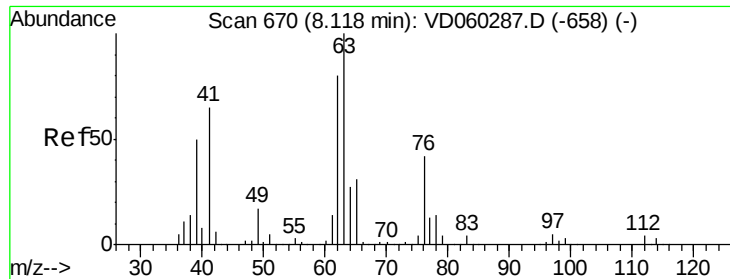
95 96.9 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.679 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

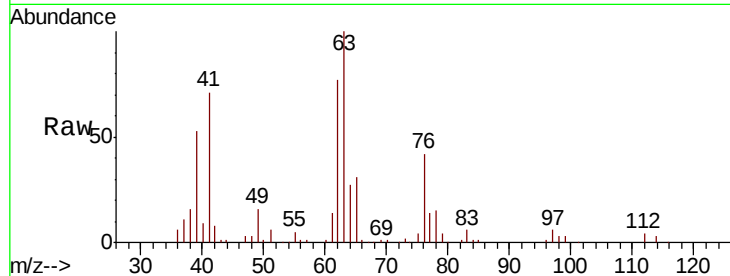
VD1109SBSD01

Tot Ion: 63 Resp: 290976

Ion Ratio Lower Upper

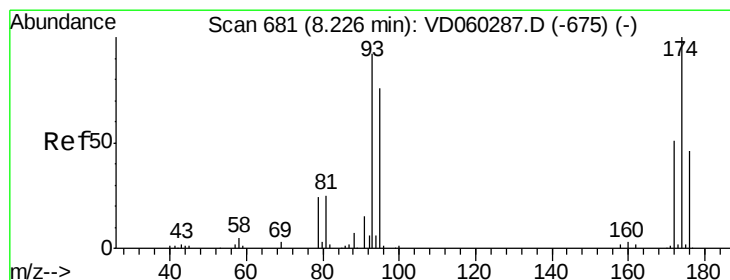
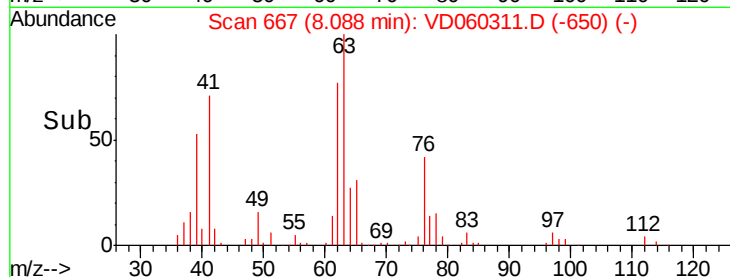
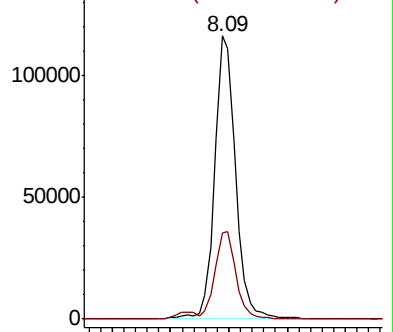
63 100

65 30.6 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.732 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

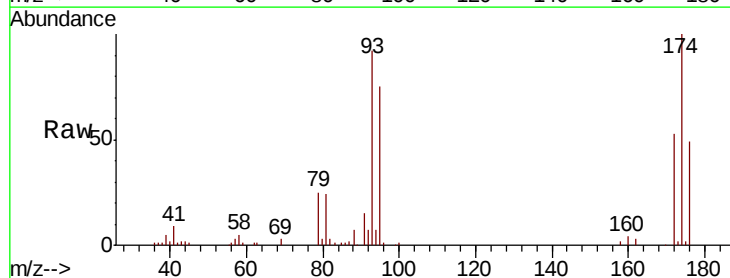
Tgt Ion: 93 Resp: 170820

Ion Ratio Lower Upper

93 100

95 81.2 66.4 99.6

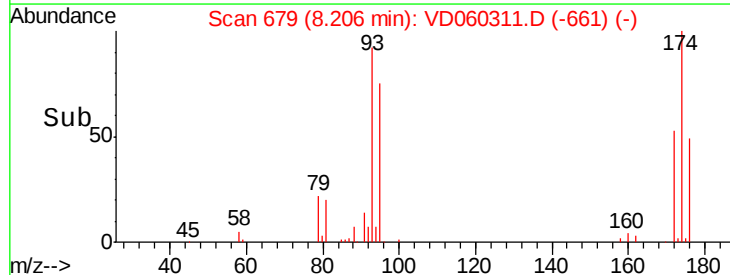
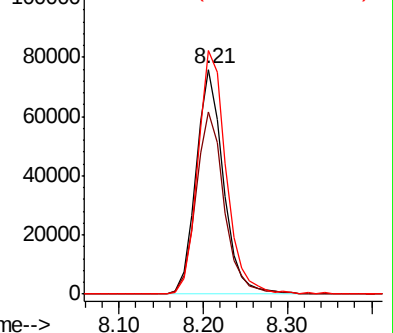
174 108.5 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.973 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

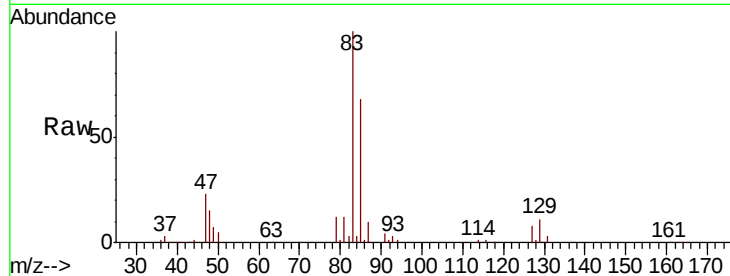
Tot Ion: 83 Resp: 406793

Ion Ratio Lower Upper

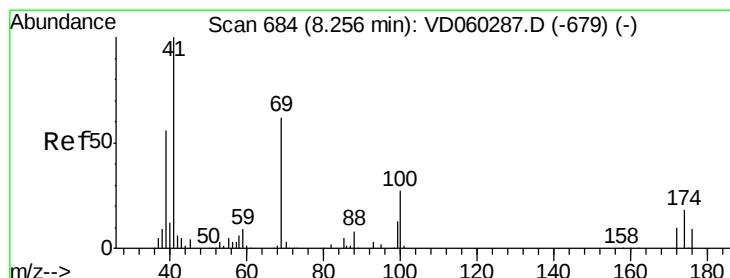
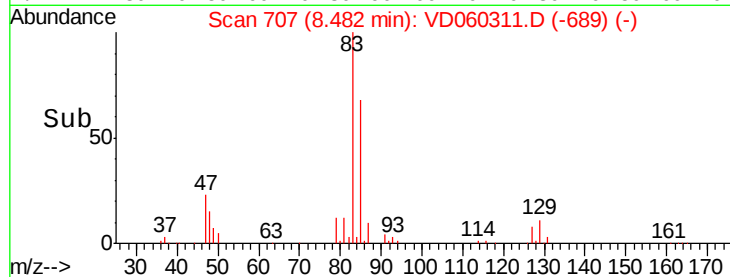
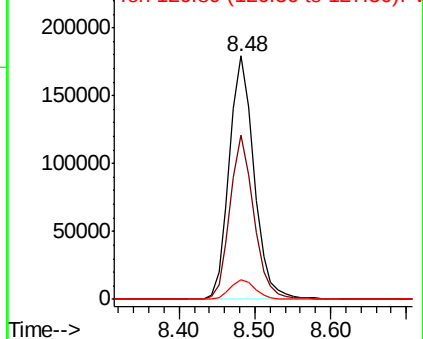
83 100

85 67.7 51.0 76.6

127 8.1 6.2 9.4



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: 23.380 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

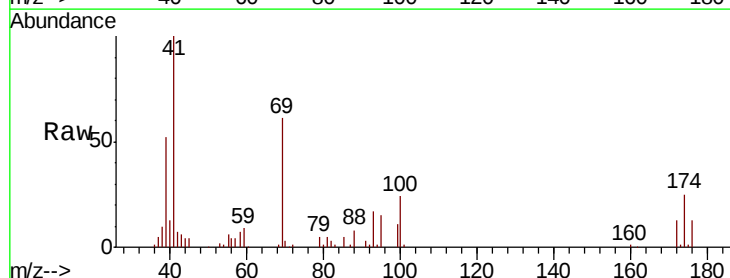
Tgt Ion: 41 Resp: 163594

Ion Ratio Lower Upper

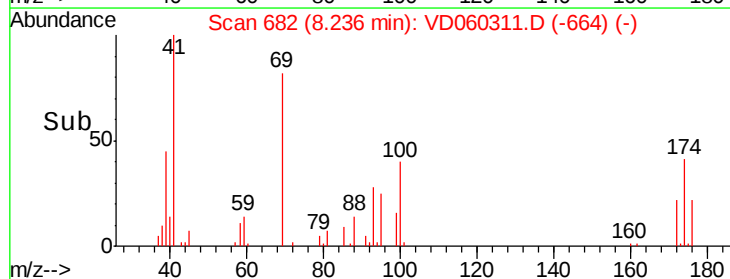
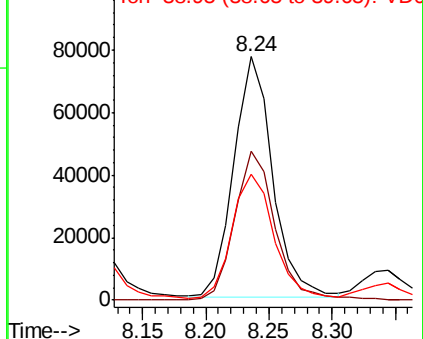
41 100

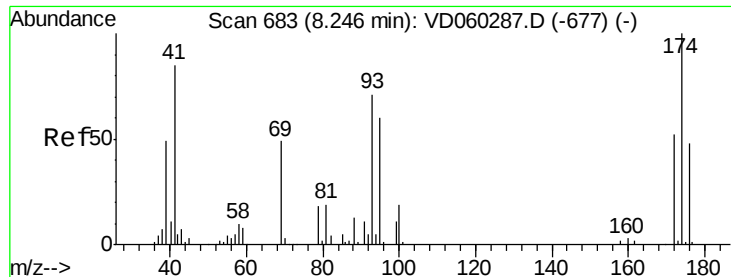
69 61.0 47.0 70.4

39 51.6 46.2 69.4



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

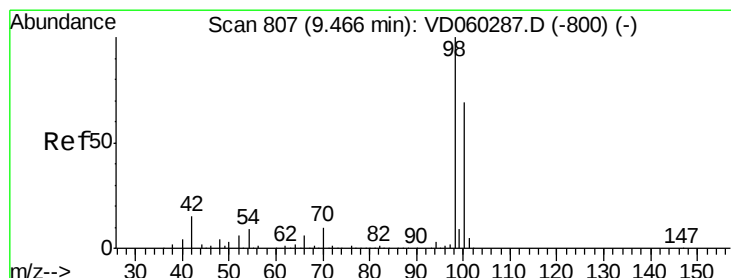
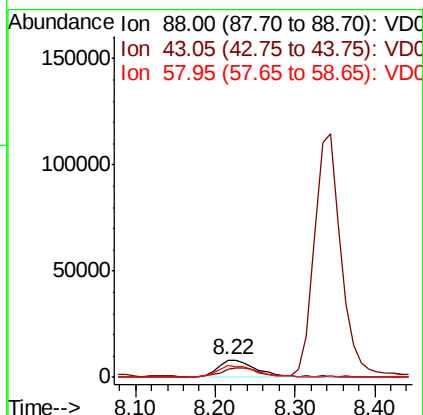
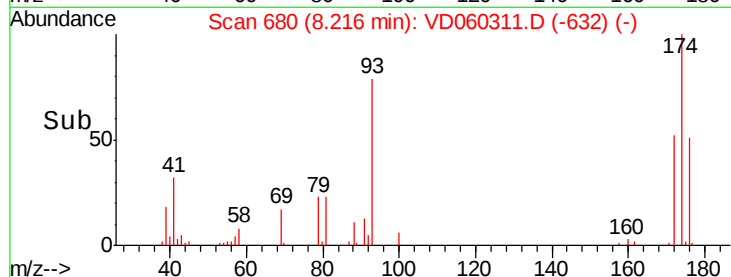
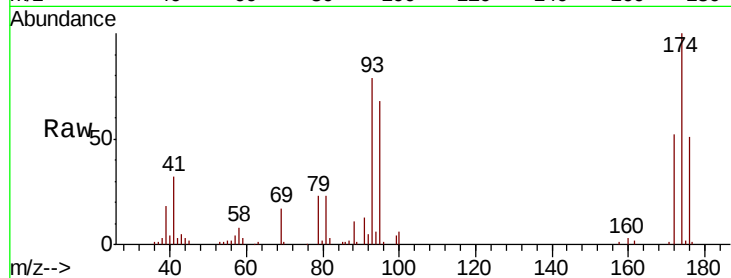




#49
1,4-Dioxane
Concen: 465.955 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.03 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

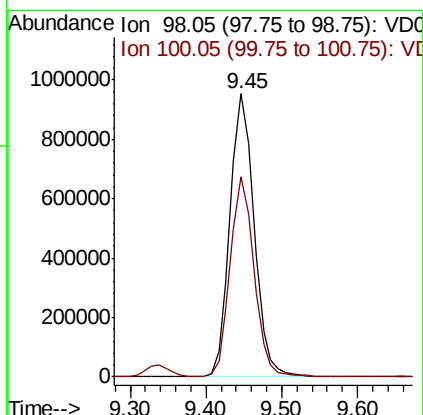
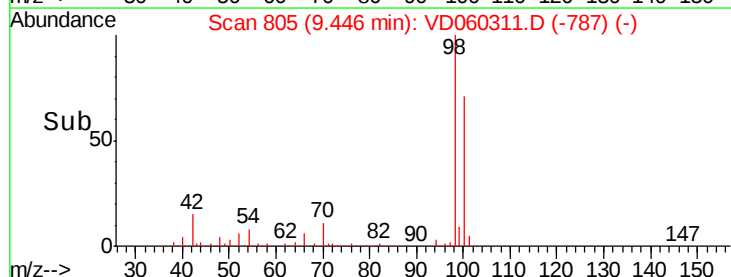
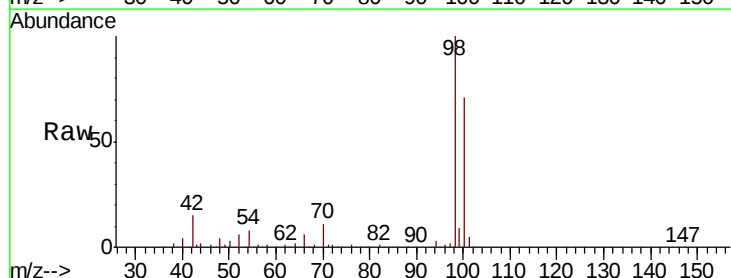
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion: 88 Resp: 28210
Ion Ratio Lower Upper
88 100
43 45.7 39.7 59.5
58 72.6 60.2 90.2



#50
Toluene-d8
Concen: 465.955 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 98 Resp: 2109236
Ion Ratio Lower Upper
98 100
100 70.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 118.637 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

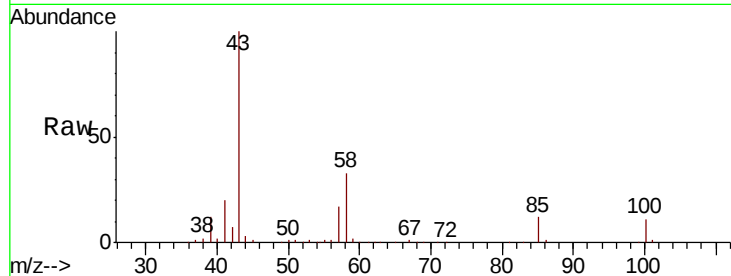
VD1109SBS01

Tot Ion: 43 Resp: 889498

Ion Ratio Lower Upper

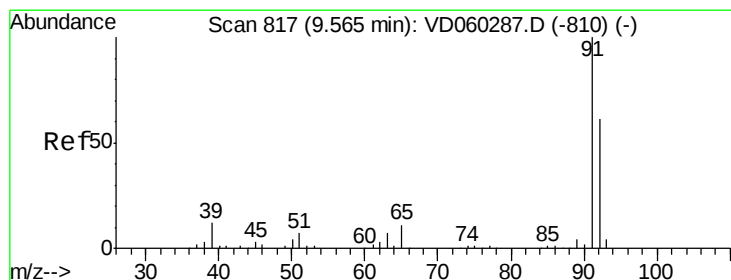
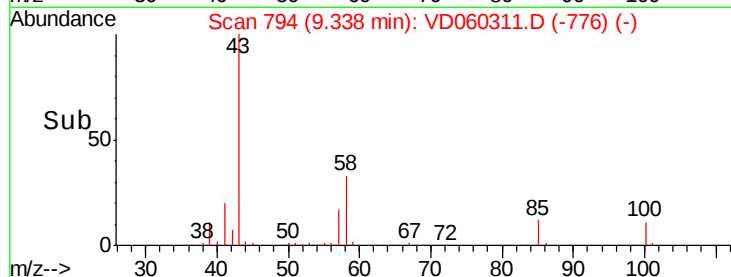
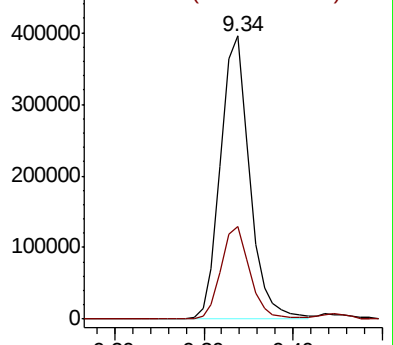
43 100

58 32.8 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.867 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD060311.D

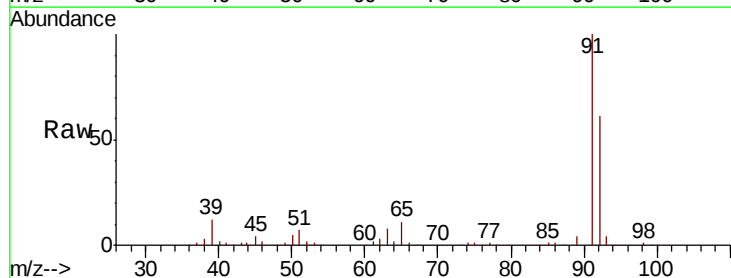
Acq: 9 Nov 2018 14:34

Tgt Ion: 92 Resp: 743096

Ion Ratio Lower Upper

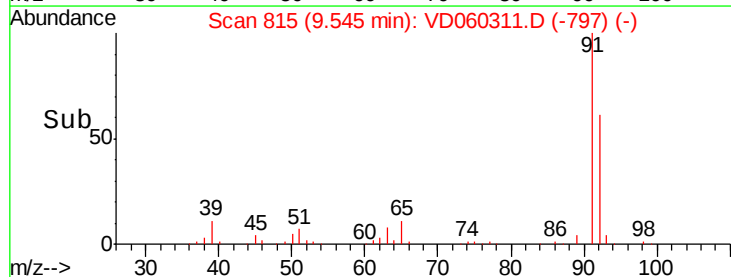
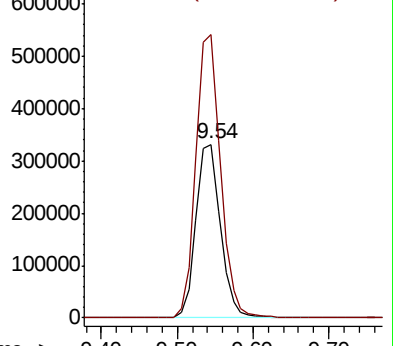
92 100

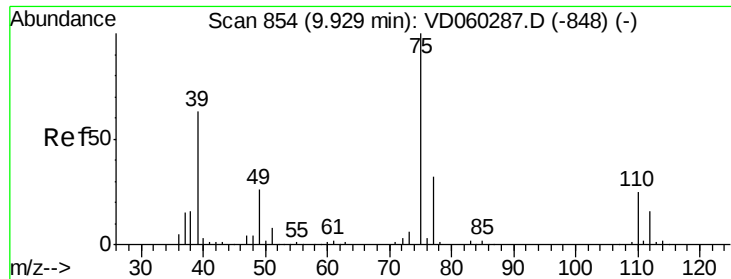
91 163.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

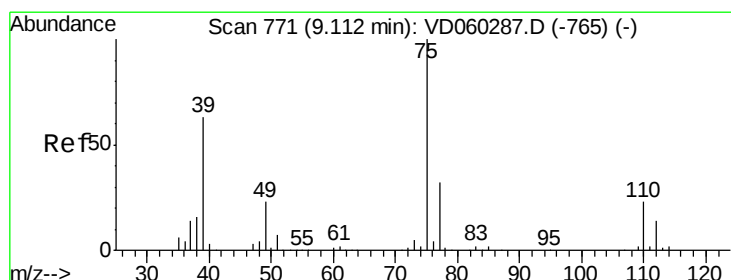
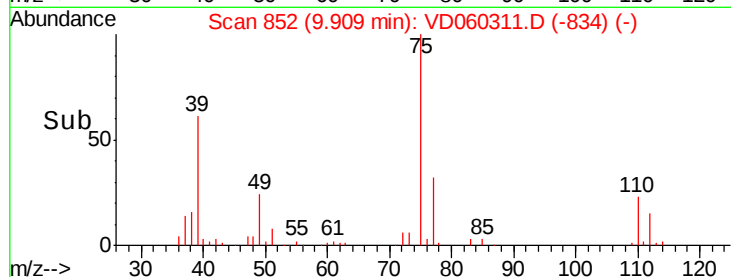
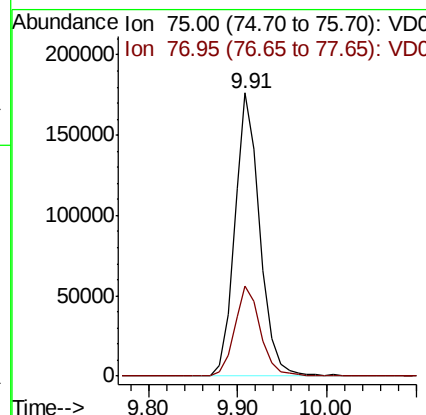
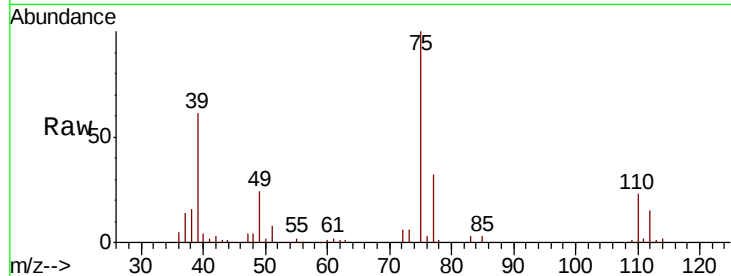




#53
 t-1,3-Dichloropropene
 Concen: 23.066 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

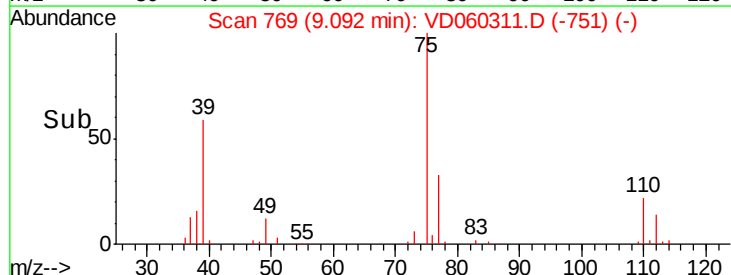
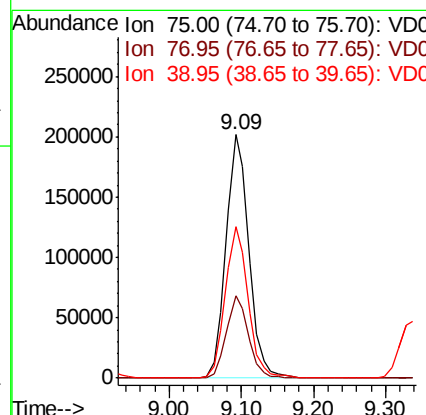
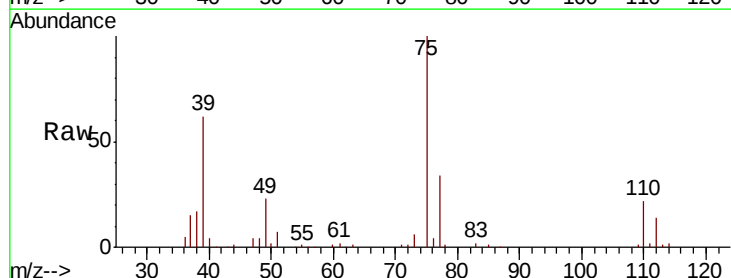
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

Tot Ion: 75 Resp: 345105
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.028 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. -0.02 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion: 75 Resp: 441888
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.3 39.5
 39 62.1 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 22.628 ug/l

RT: 10.17 min Scan# 879

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 97 Resp: 213122

Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.4	102.6
85	54.9	46.8	70.2
99	60.3	49.5	74.3

Abundance

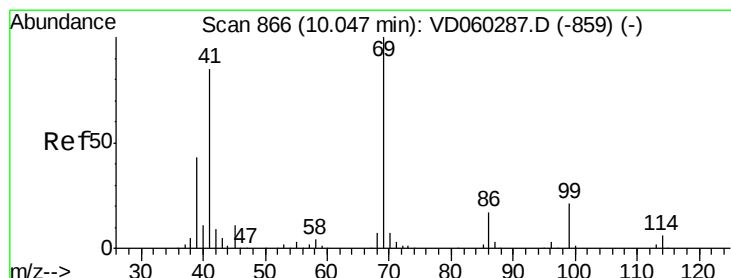
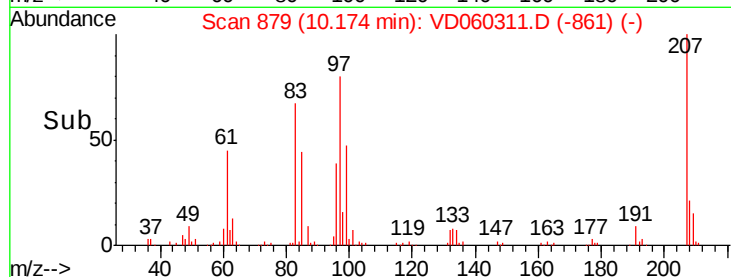
Ion 96.85 (96.55 to 97.55): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 23.803 ug/l

RT: 10.03 min Scan# 864

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Tgt Ion: 69 Resp: 206136

Ion	Ratio	Lower	Upper
69	100		
41	85.1	69.0	103.4
39	45.5	36.6	54.8

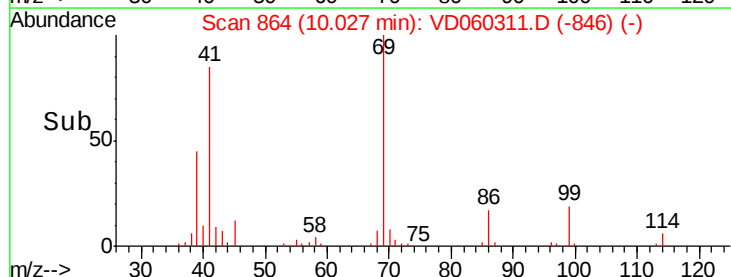
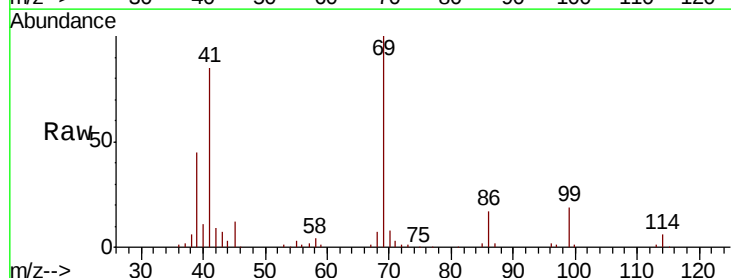
Abundance

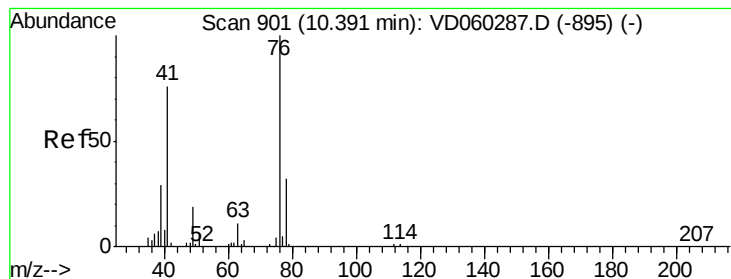
Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 22.210 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

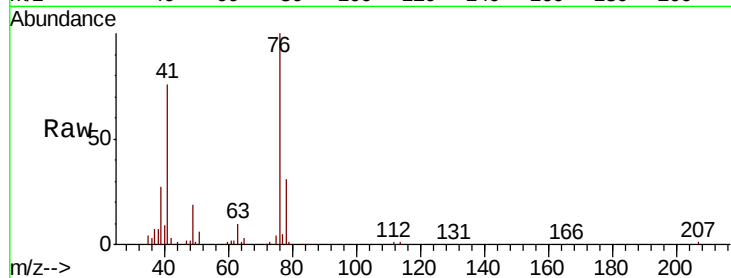
VD1109SBS01

Tot Ion: 76 Resp: 318748

Ion Ratio Lower Upper

76 100

78 31.5 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

150000

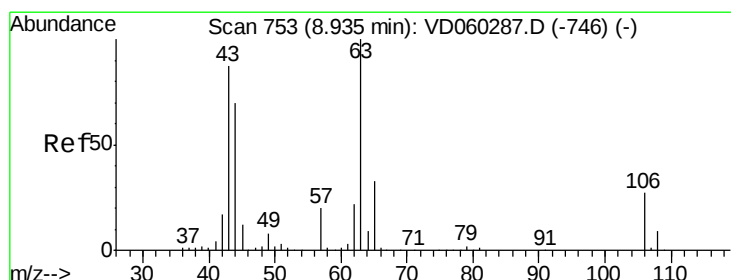
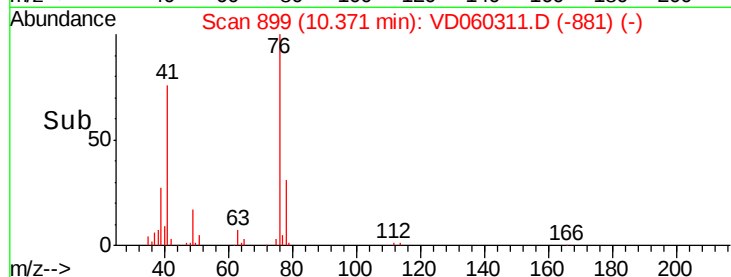
100000

50000

0

Time-->

10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 114.954 ug/l

RT: 8.91 min Scan# 751

Delta R.T. -0.02 min

Lab File: VD060311.D

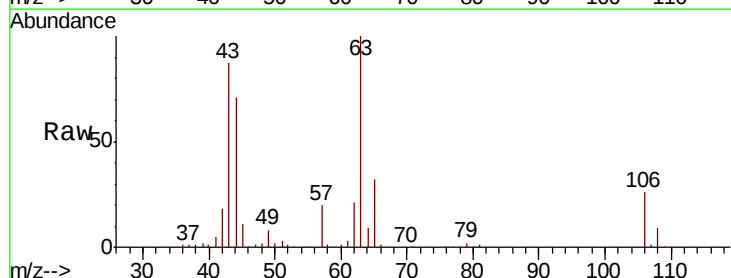
Acq: 9 Nov 2018 14:34

Tgt Ion: 63 Resp: 601926

Ion Ratio Lower Upper

63 100

106 26.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.91

300000

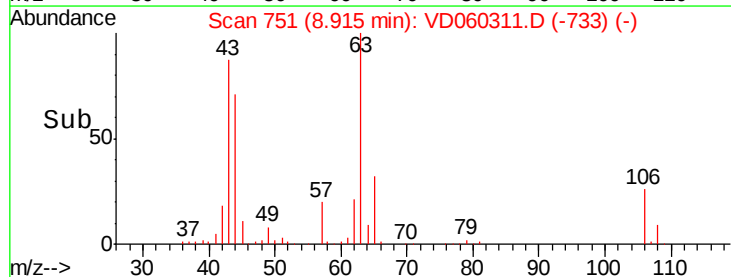
200000

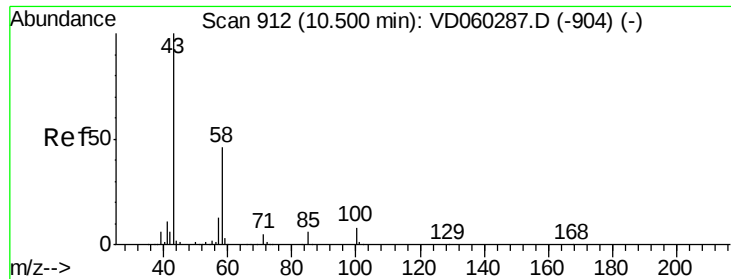
100000

0

Time-->

8.80 8.90 9.00 9.10

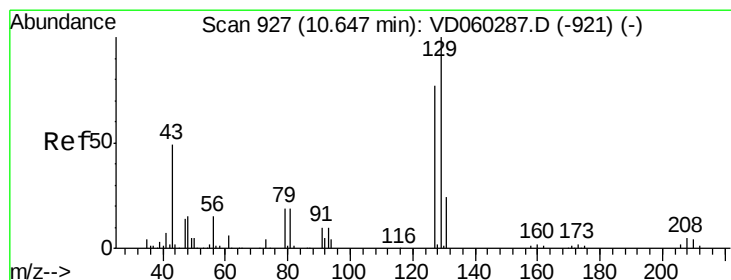
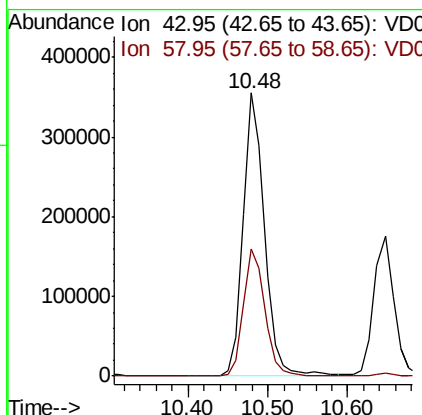
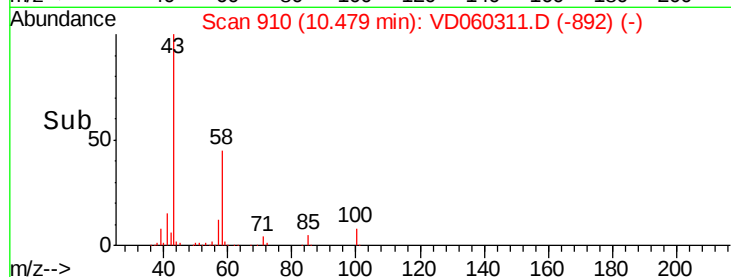
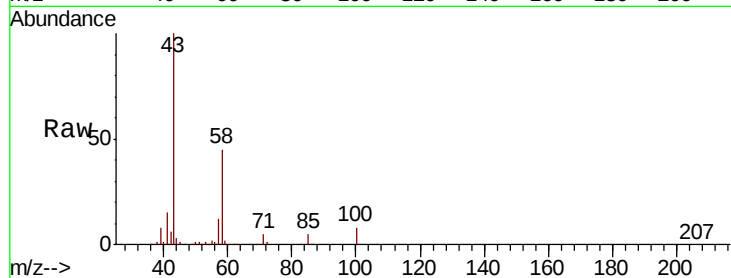




#59
2-Hexanone
Concen: 122.783 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

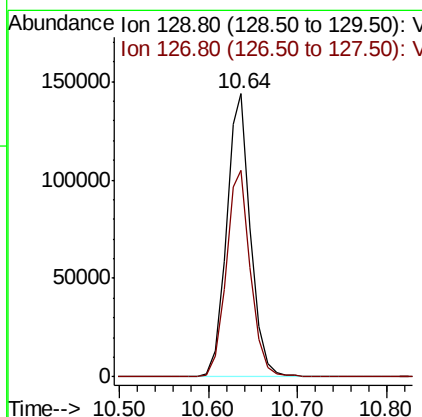
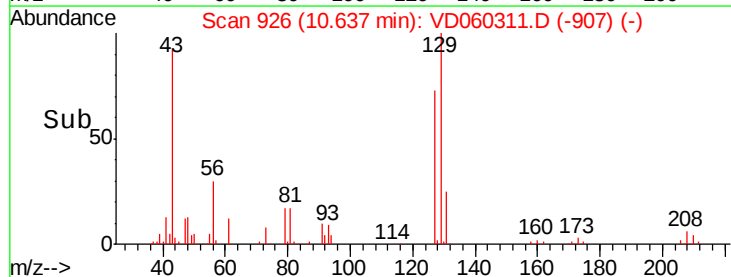
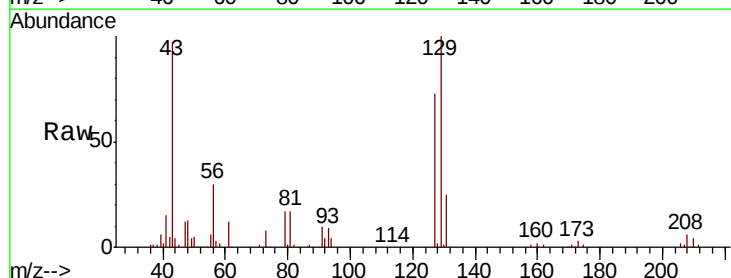
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

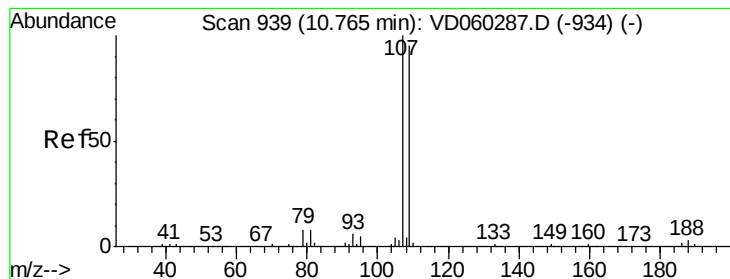
Tot Ion: 43 Resp: 656137
Ion Ratio Lower Upper
43 100
58 45.0 22.9 68.5



#60
Dibromochloromethane
Concen: 23.598 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 129 Resp: 270180
Ion Ratio Lower Upper
129 100
127 73.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 22.672 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

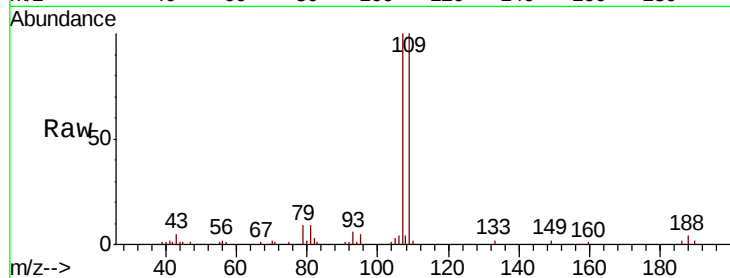
VD1109SBSD01

Tot Ion:107 Resp: 213955

Ion Ratio Lower Upper

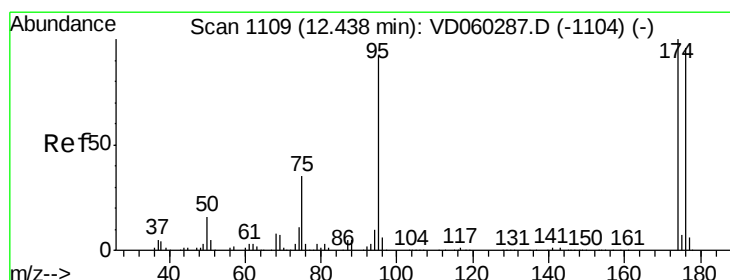
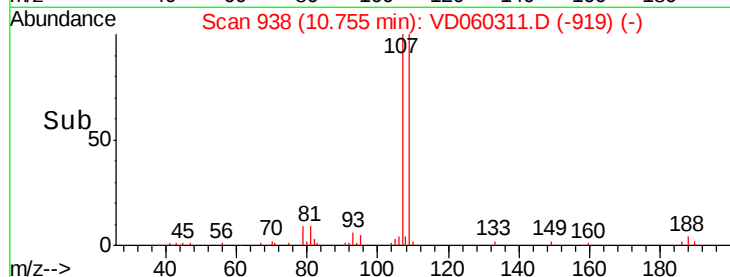
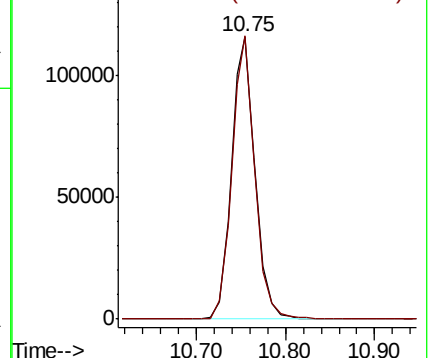
107 100

109 100.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.672 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

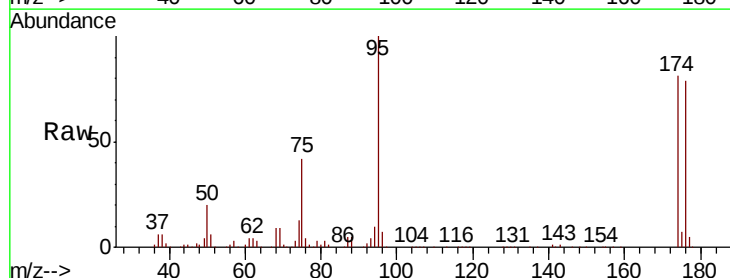
Tgt Ion: 95 Resp: 764621

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.8

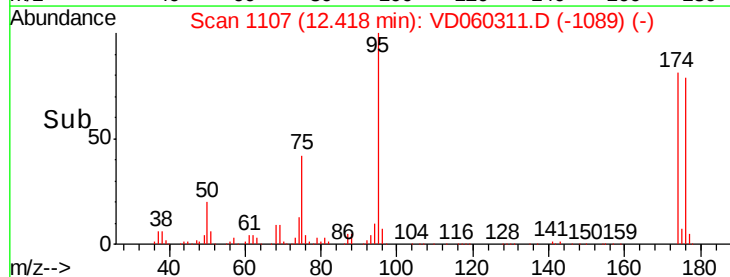
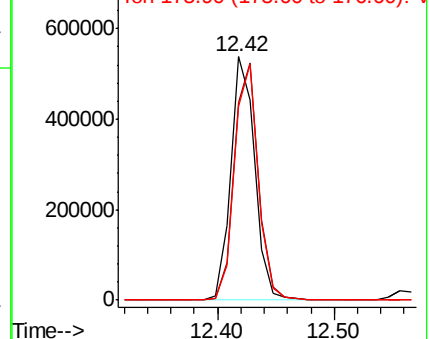
176 79.5 0.0 154.6

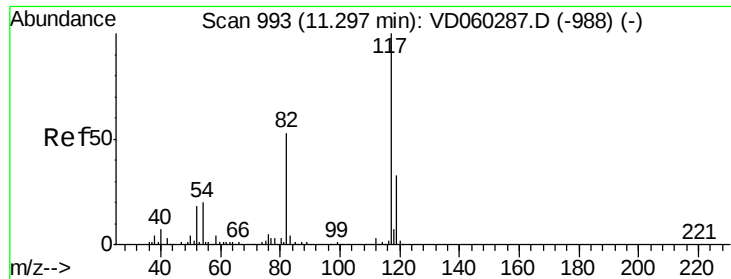


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

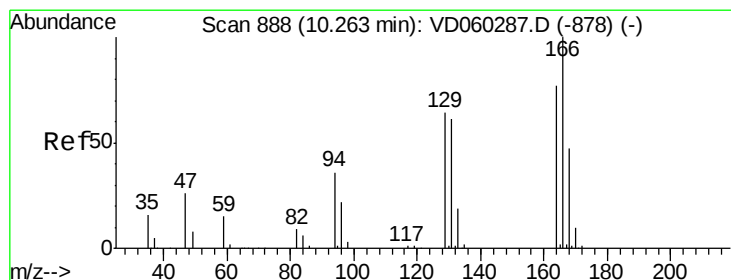
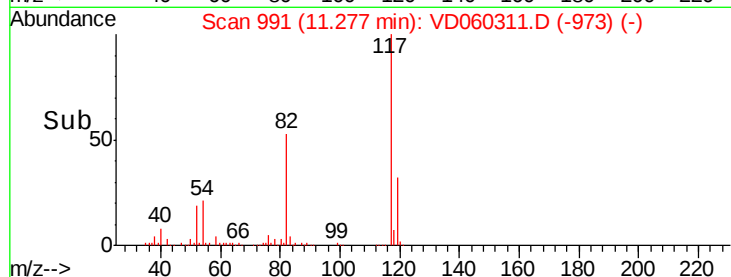
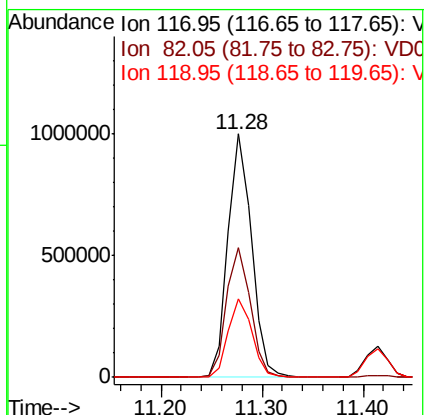
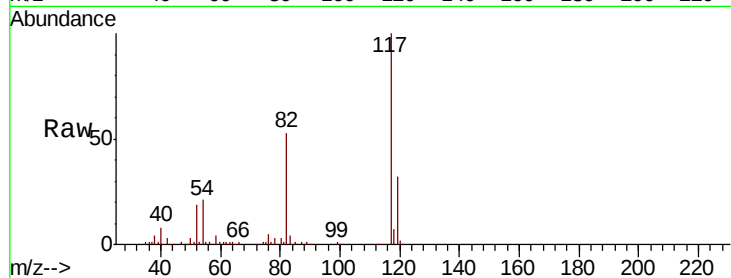




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

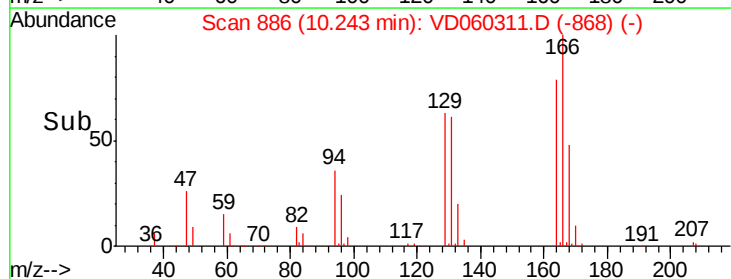
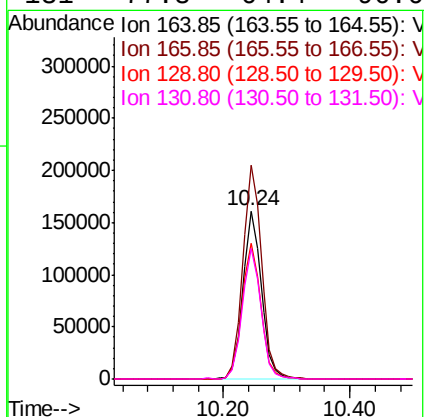
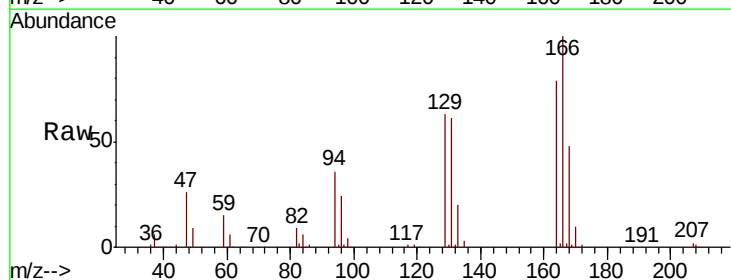
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

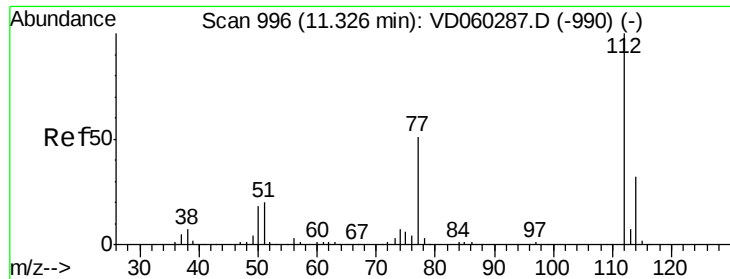
Tot Ion:117 Resp: 1623729
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 22.522 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:164 Resp: 326475
Ion Ratio Lower Upper
164 100
166 127.0 103.7 155.5
129 80.6 65.6 98.4
131 77.8 64.4 96.6

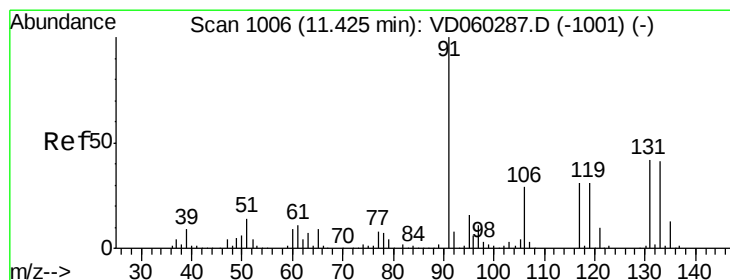
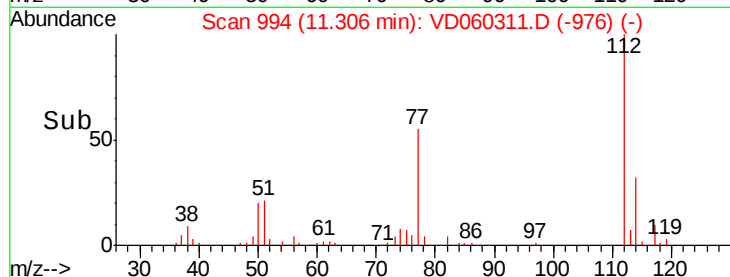
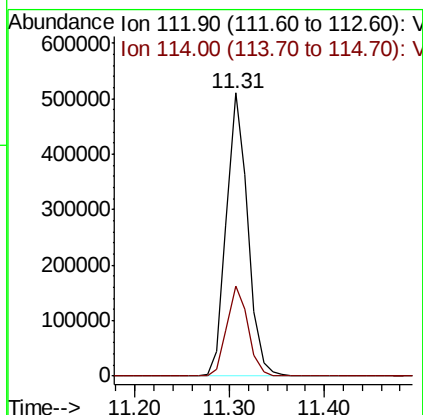
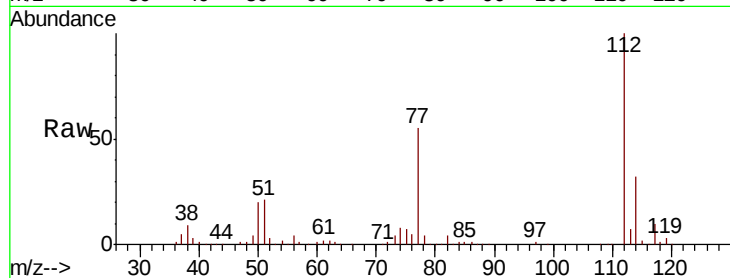




#65
Chlorobenzene
Concen: 22.625 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

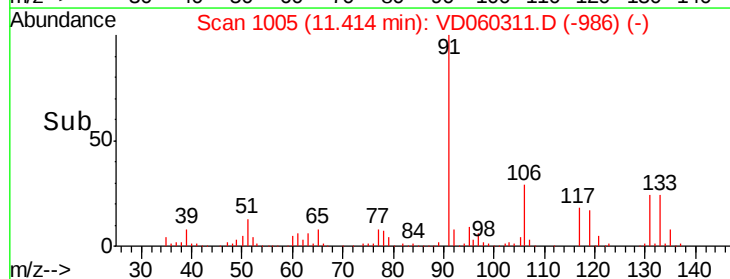
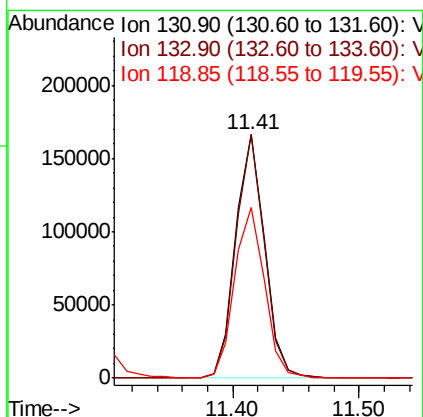
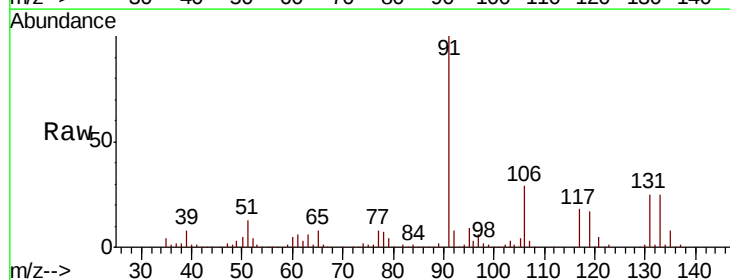
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion:112 Resp: 795992
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.122 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:131 Resp: 266159
Ion Ratio Lower Upper
131 100
133 100.0 50.0 150.0
119 69.9 37.0 111.1

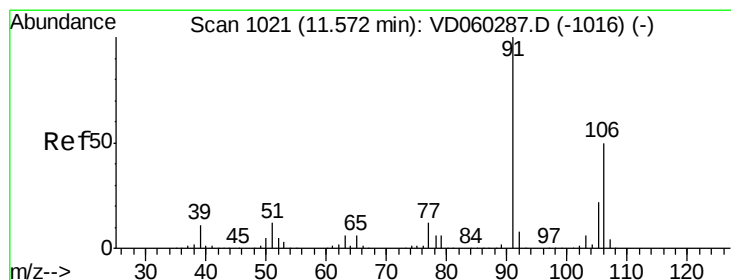
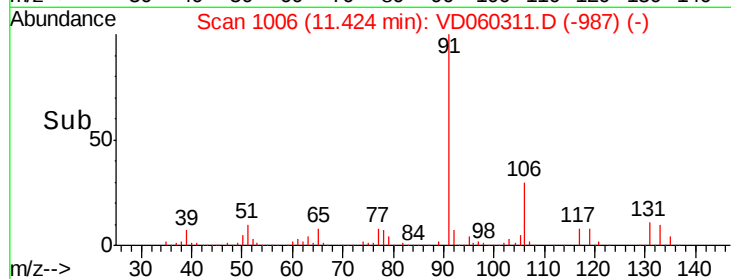
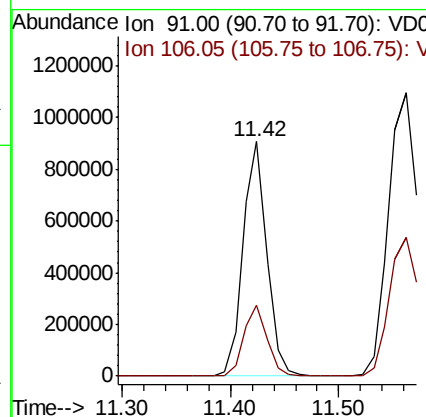
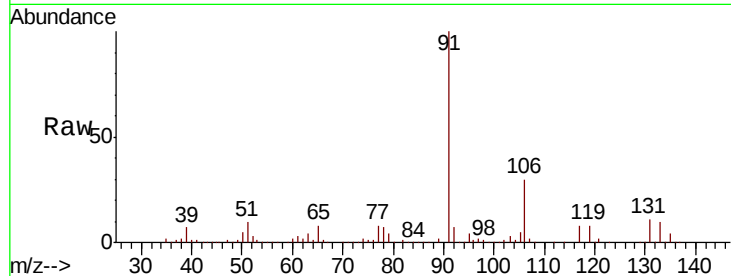




#67
Ethyl Benzene
Concen: 22.979 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

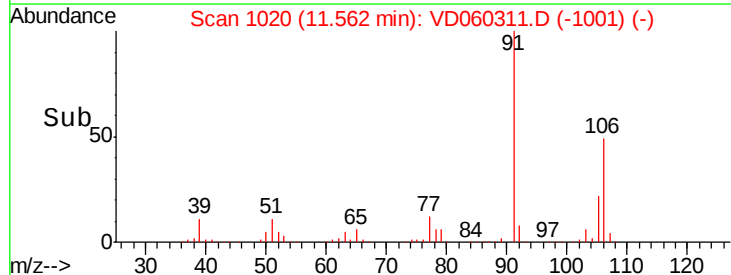
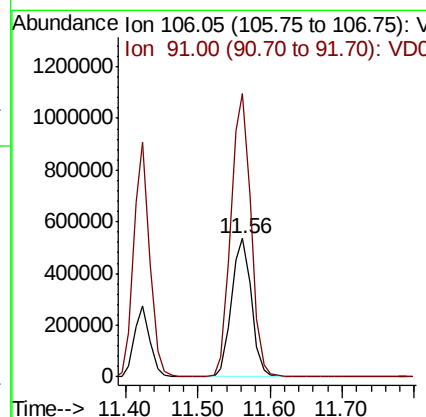
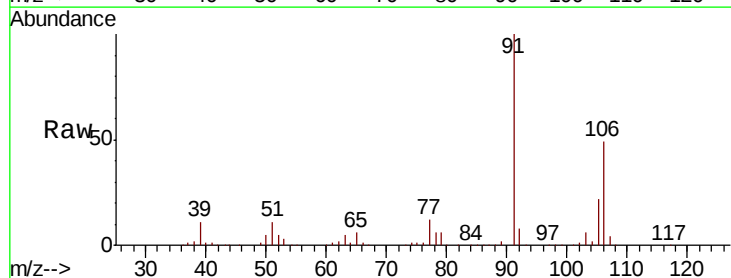
Instrument :
MSVOA_D
ClientSampleID :
VD1109SBS01

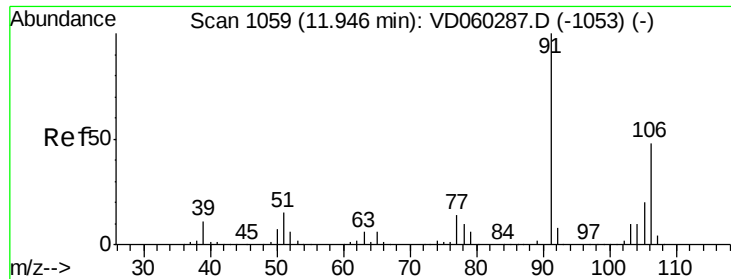
Tot Ion: 91 Resp: 1382980
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 46.091 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 106 Resp: 1023239
Ion Ratio Lower Upper
106 100
91 204.8 159.4 239.2

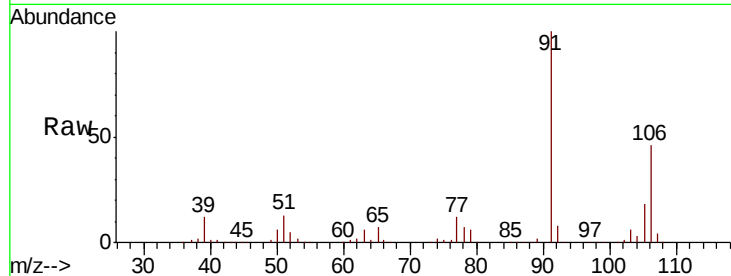




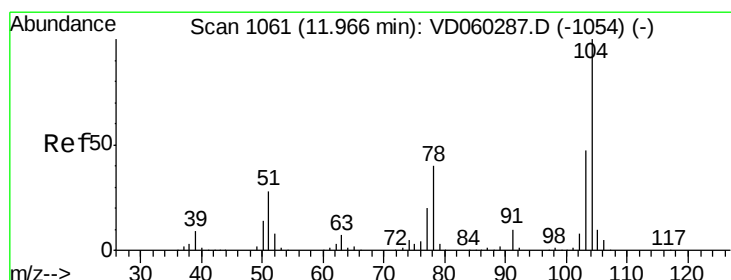
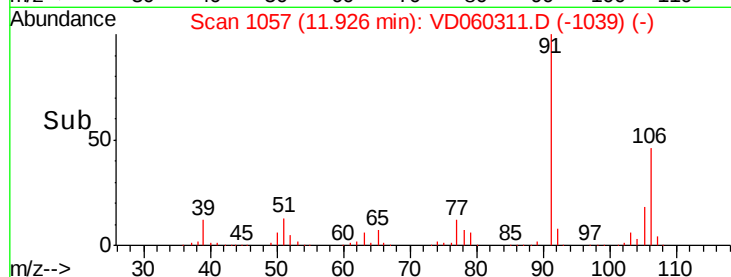
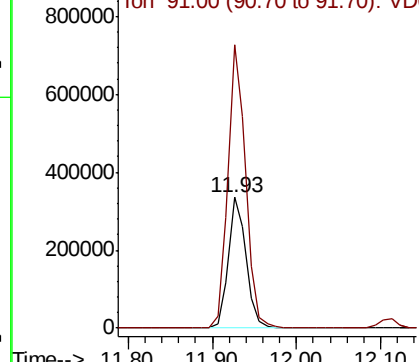
#69
o-Xylene
Concen: 22.846 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion:106 Resp: 489996
Ion Ratio Lower Upper
106 100
91 216.8 109.2 327.6

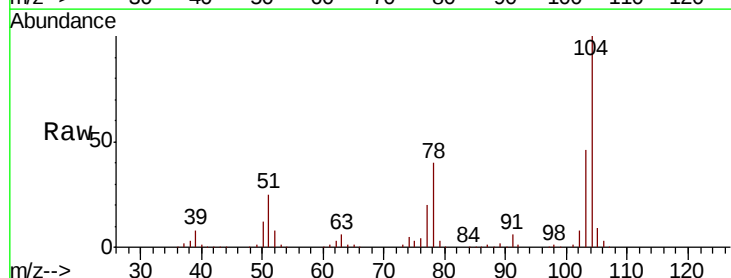


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

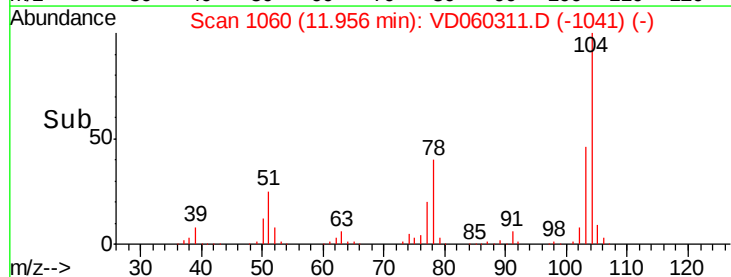
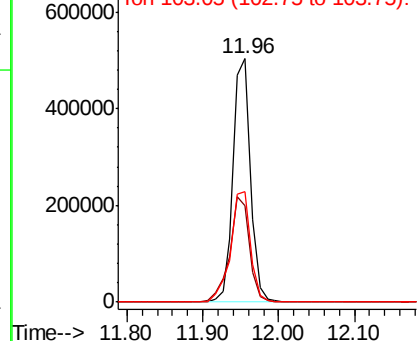


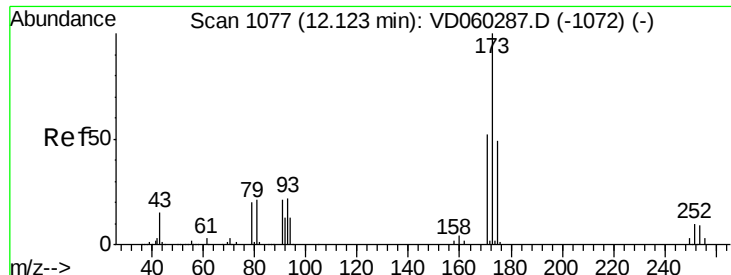
#70
Styrene
Concen: 23.013 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:104 Resp: 797657
Ion Ratio Lower Upper
104 100
78 39.7 31.6 47.4
103 45.5 37.0 55.6



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

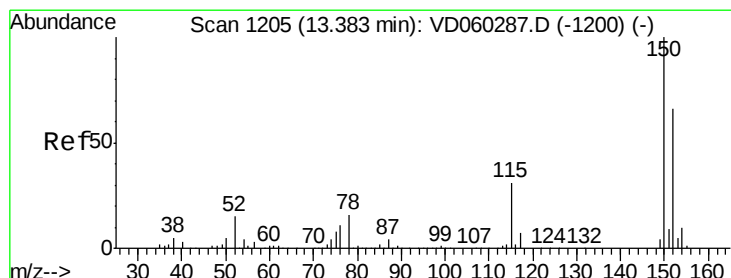
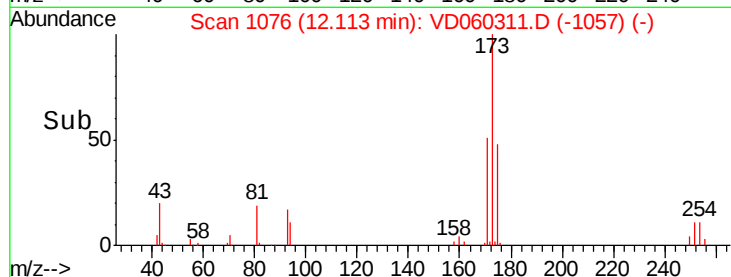
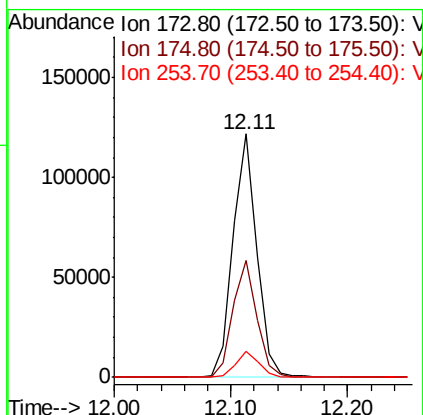
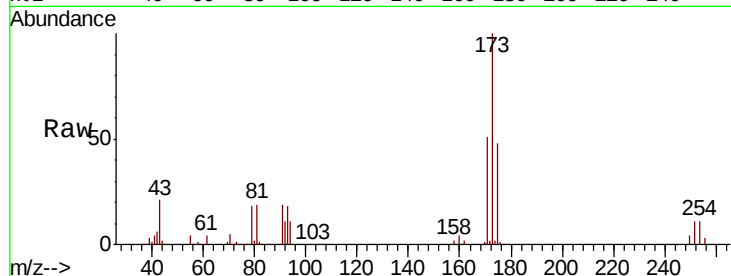




#71
Bromoform
Concen: 22.281 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

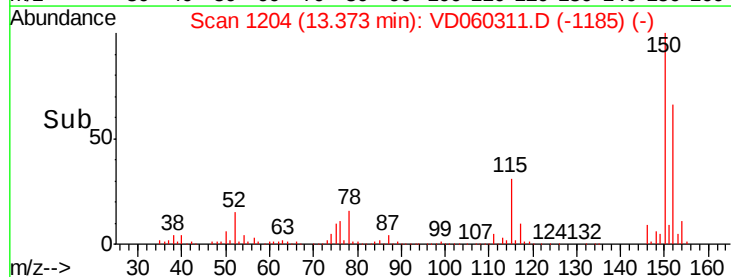
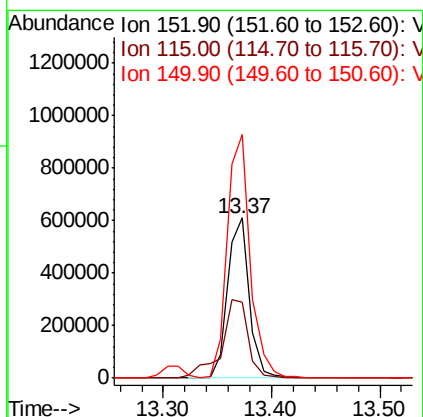
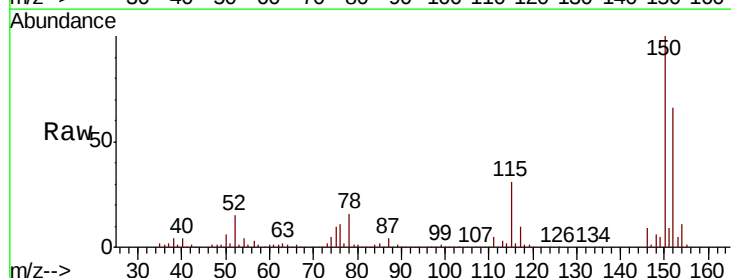
Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion:173 Resp: 172346
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 10.6 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:152 Resp: 850890
Ion Ratio Lower Upper
152 100
115 47.0 24.1 72.3
150 152.1 0.0 310.6





#73

Isopropylbenzene

Concen: 21.572 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

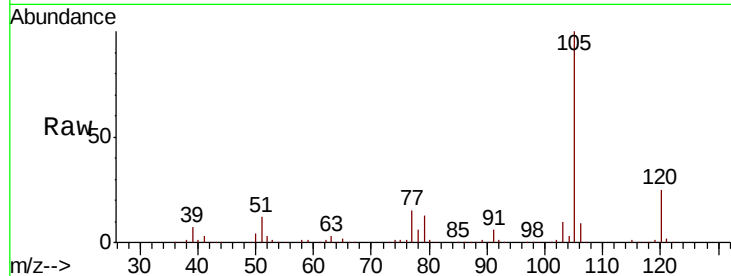
VD1109SBSD01

Tot Ion:105 Resp: 1337350

Ion Ratio Lower Upper

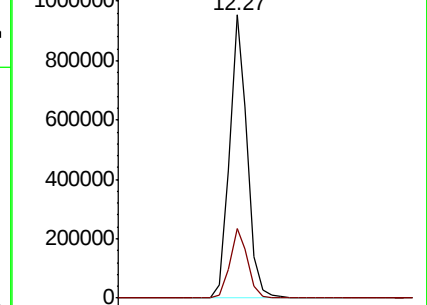
105 100

120 24.7 12.1 36.3

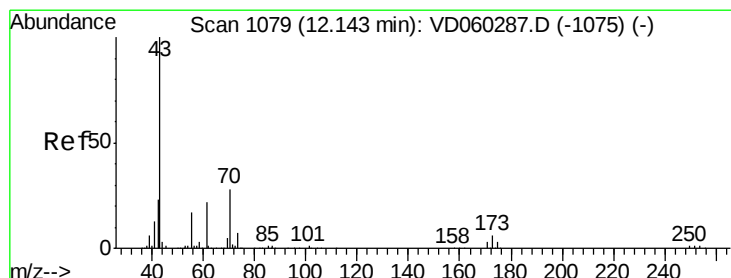
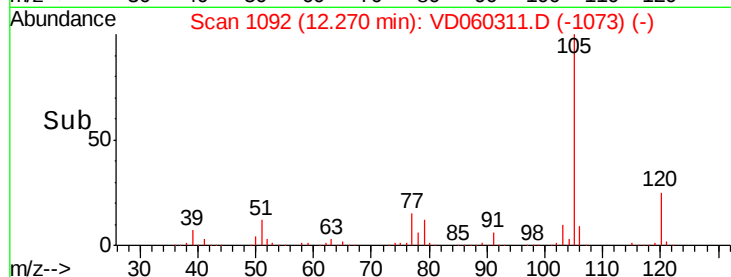


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 22.189 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Tgt Ion: 43 Resp: 352661

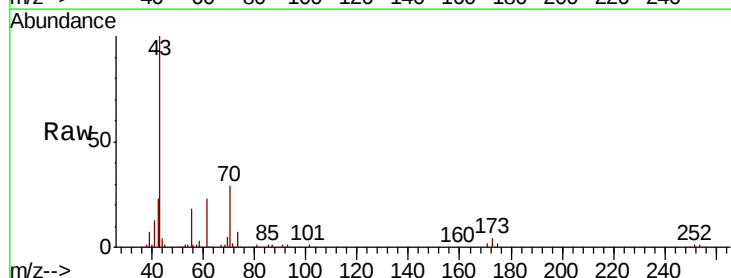
Ion Ratio Lower Upper

43 100

70 28.7 23.0 34.4

55 18.4 14.2 21.4

61 23.4 17.8 26.8

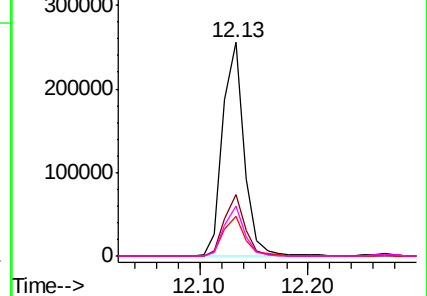


Abundance Ion 42.95 (42.65 to 43.65): VDC

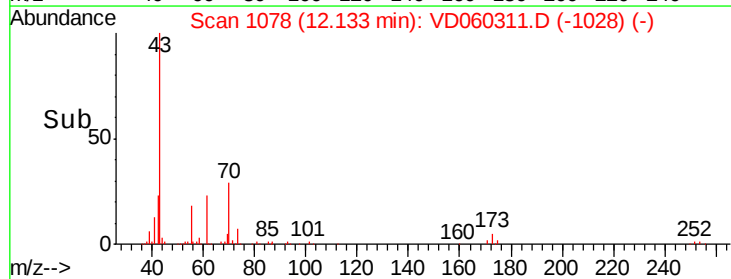
Ion 70.00 (69.70 to 70.70): VDC

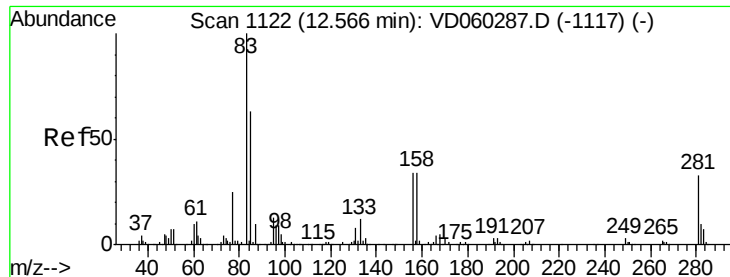
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.074 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

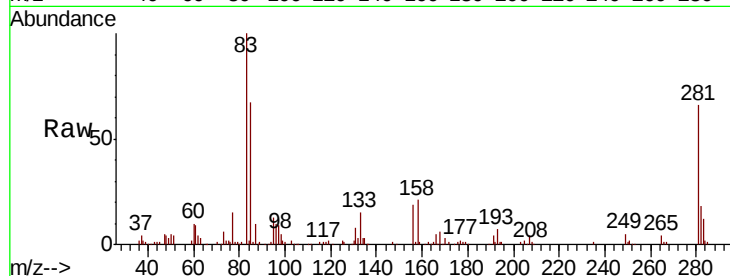
Tot Ion: 83 Resp: 223802

Ion Ratio Lower Upper

83 100

131 8.4 3.9 11.5

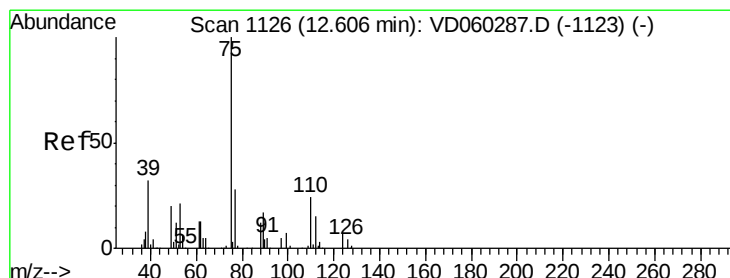
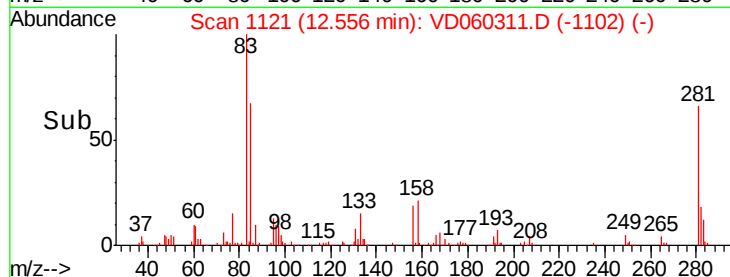
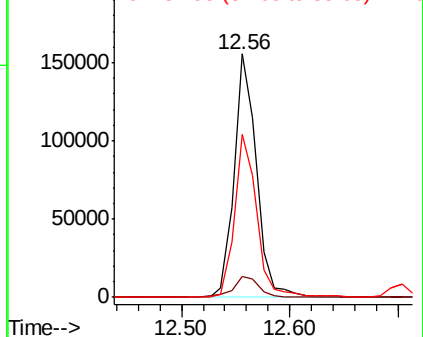
85 66.8 32.0 96.0



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: 22.071 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060311.D

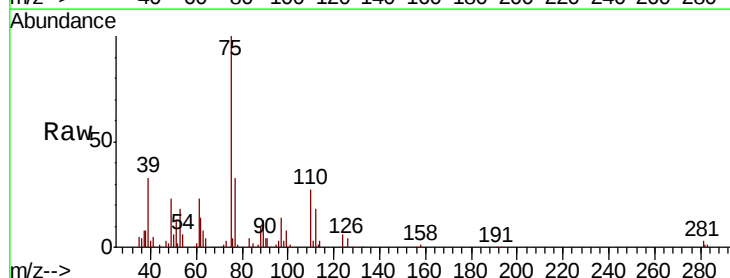
Acq: 9 Nov 2018 14:34

Tgt Ion: 75 Resp: 224655

Ion Ratio Lower Upper

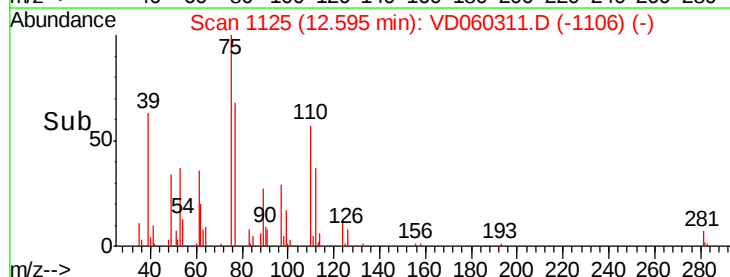
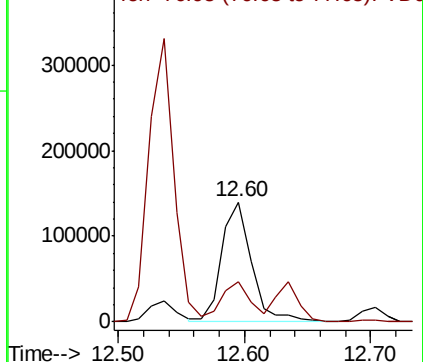
75 100

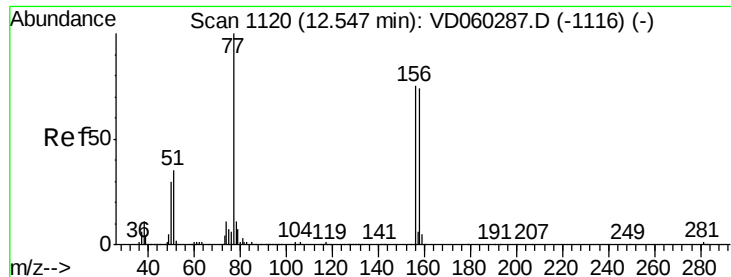
77 33.2 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.124 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

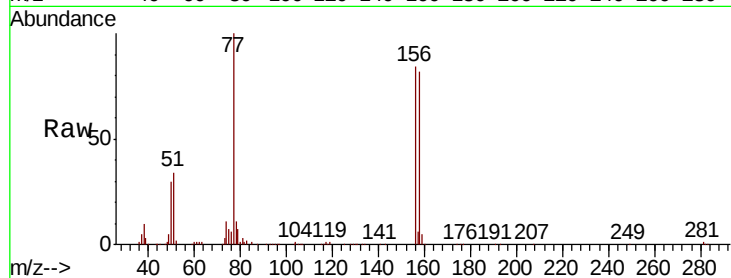
Tot Ion:156 Resp: 364326

Ion Ratio Lower Upper

156 100

77 118.7 61.2 183.6

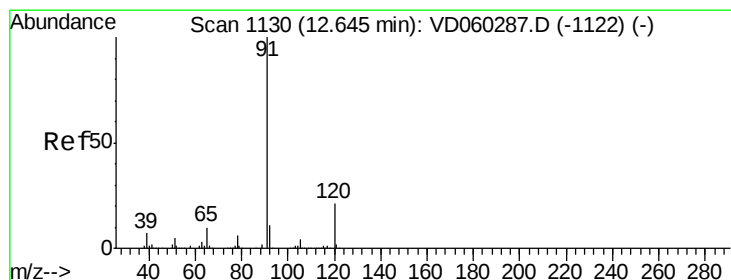
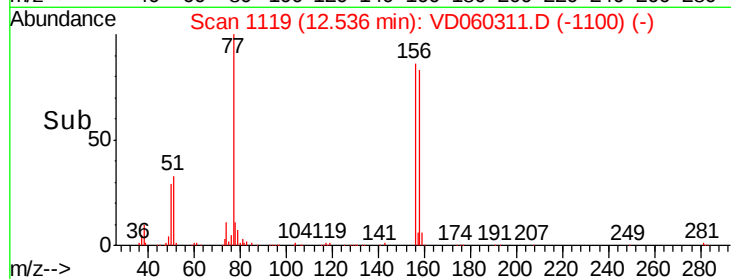
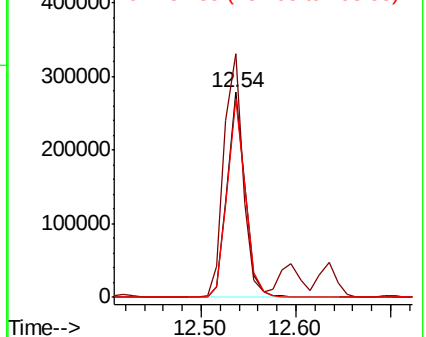
158 96.8 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.890 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060311.D

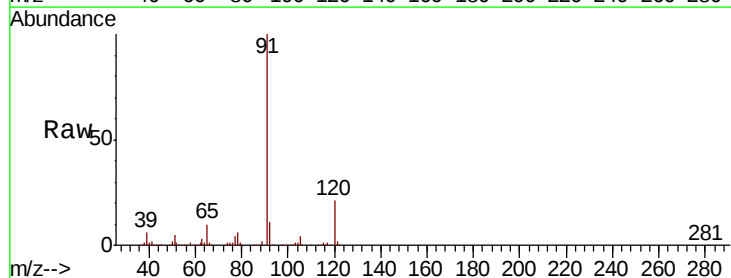
Acq: 9 Nov 2018 14:34

Tgt Ion: 91 Resp: 1693846

Ion Ratio Lower Upper

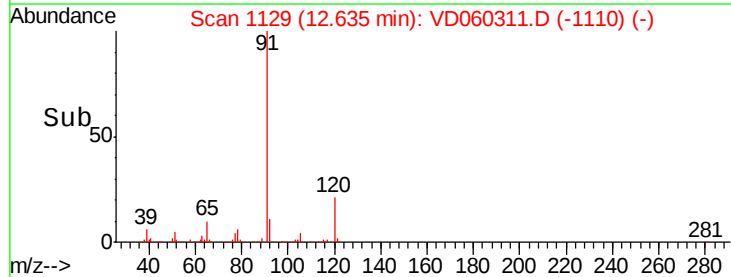
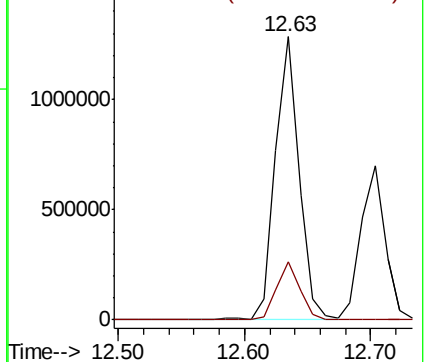
91 100

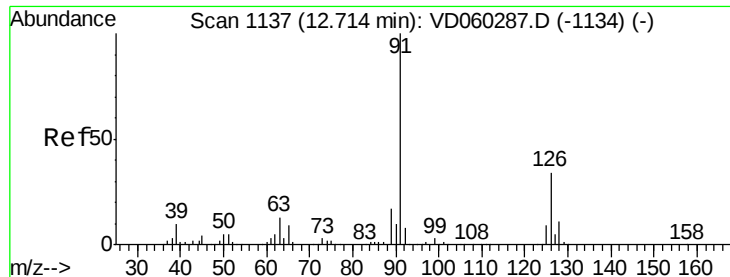
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.983 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

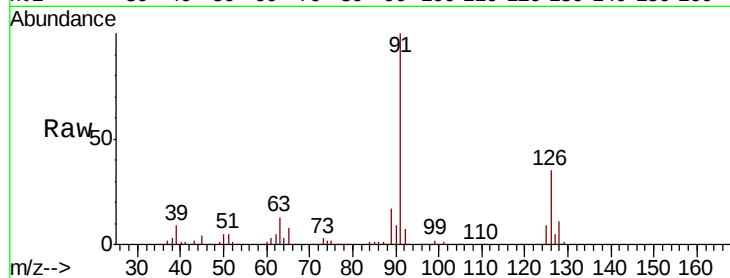
VD1109SBS01

Tot Ion: 91 Resp: 931652

Ion Ratio Lower Upper

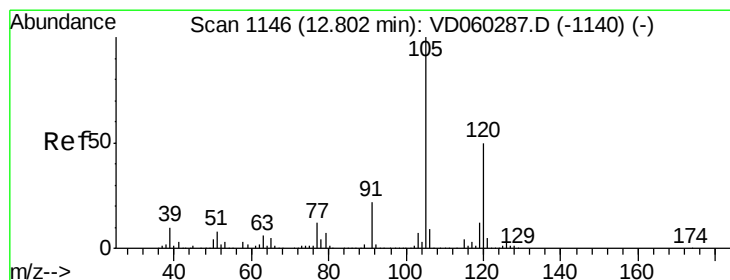
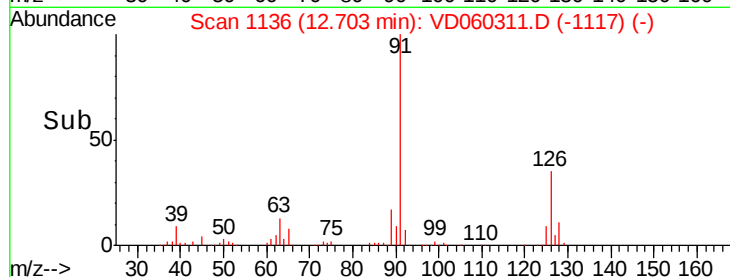
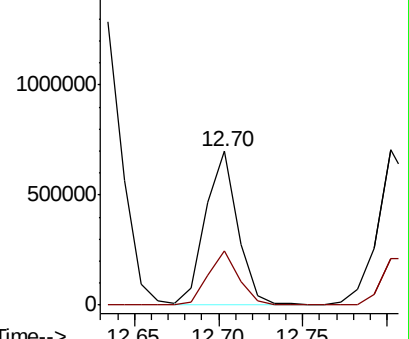
91 100

126 35.2 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060311.D (-1117) (-)

Ion 125.95 (125.65 to 126.65): VD060311.D (-1117) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.870 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060311.D

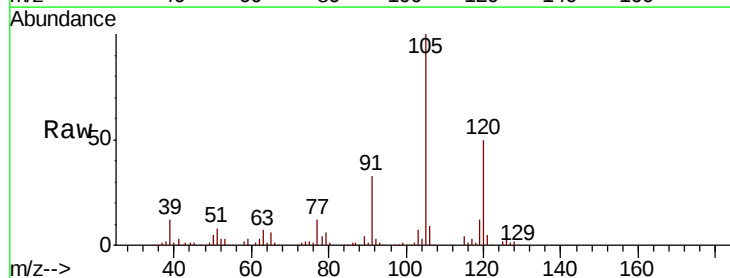
Acq: 9 Nov 2018 14:34

Tgt Ion: 105 Resp: 1053679

Ion Ratio Lower Upper

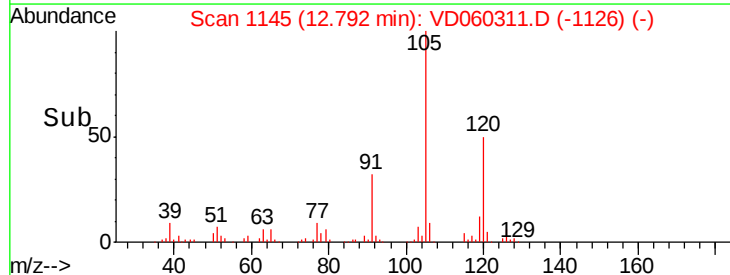
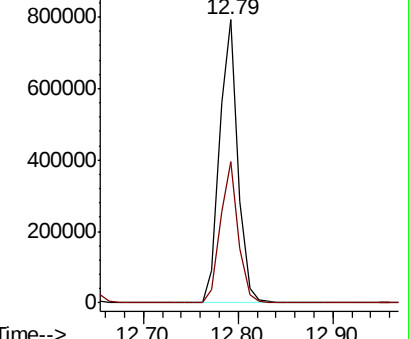
105 100

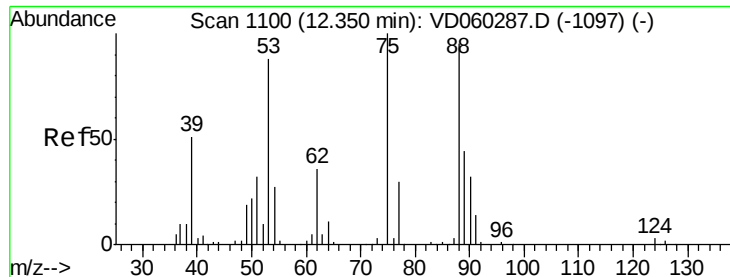
120 49.8 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): VD060311.D (-1126) (-)

Ion 120.05 (119.75 to 120.75): VD060311.D (-1126) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.767 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBSD01

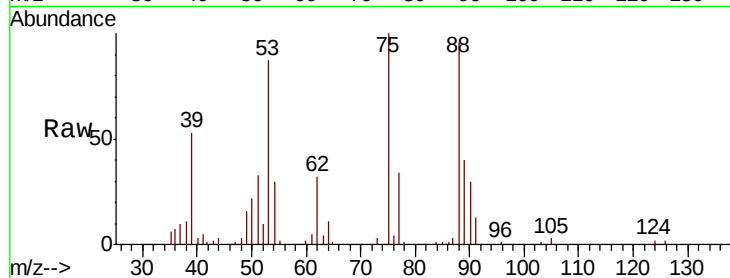
Tot Ion: 75 Resp: 63076

Ion Ratio Lower Upper

75 100

53 87.2 68.6 103.0

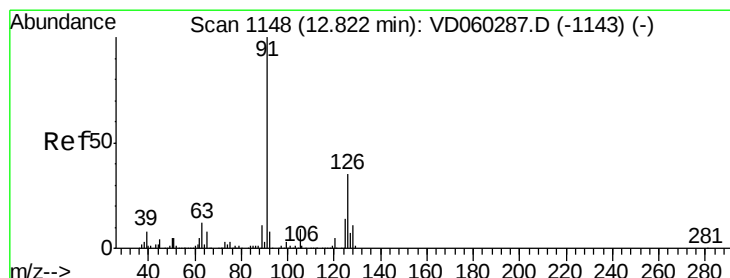
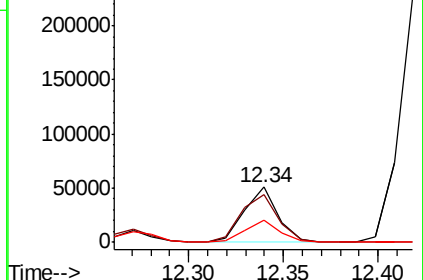
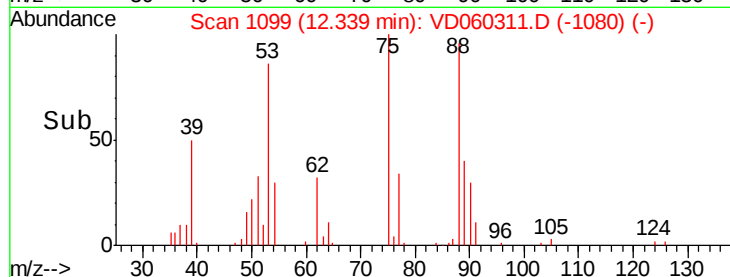
89 40.5 34.1 51.1



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: 22.300 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.02 min

Lab File: VD060311.D

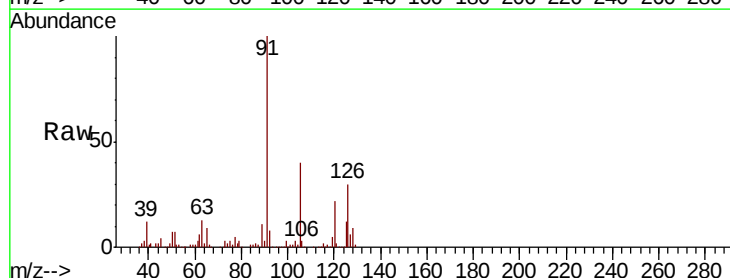
Acq: 9 Nov 2018 14:34

Tgt Ion: 91 Resp: 1061644

Ion Ratio Lower Upper

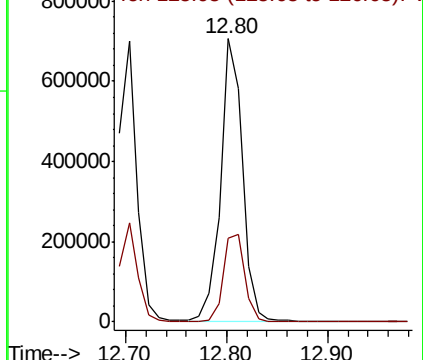
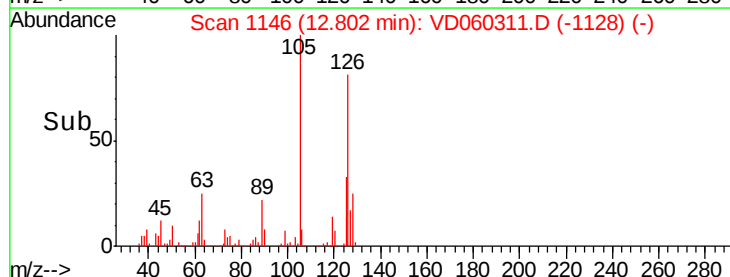
91 100

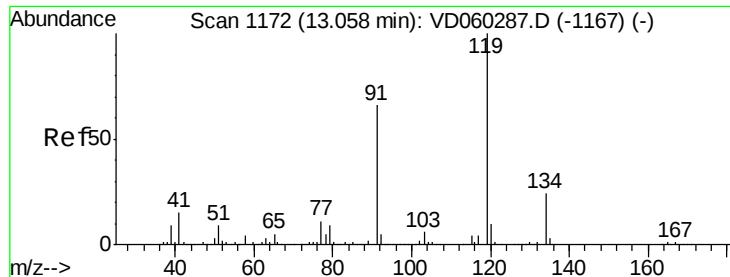
126 29.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

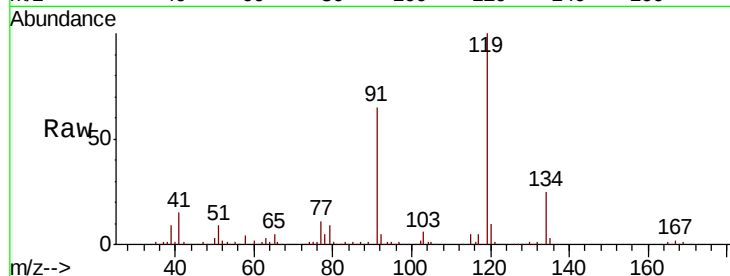




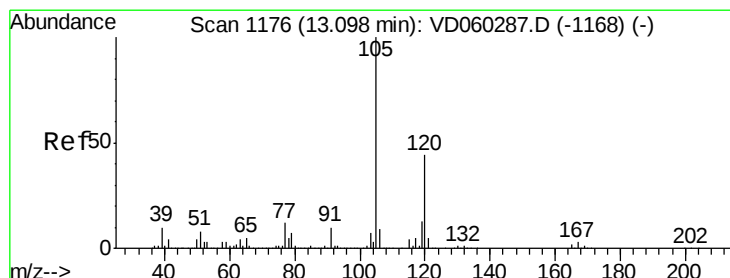
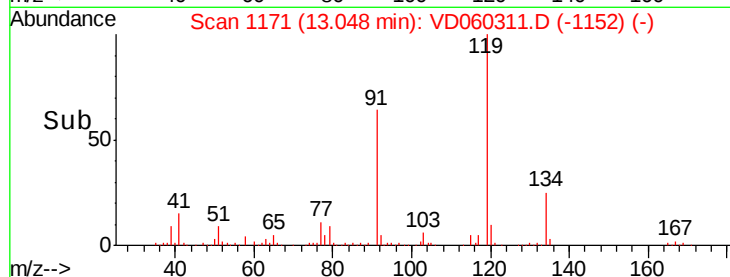
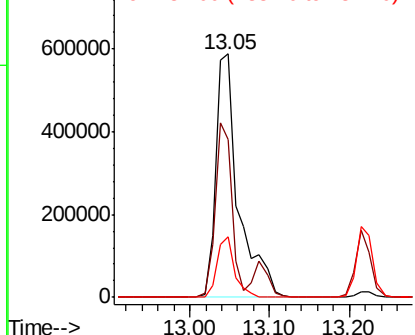
#83
tert-Butylbenzene
Concen: 22.086 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion:119 Resp: 1181372
Ion Ratio Lower Upper
119 100
91 64.9 32.7 98.1
134 25.0 12.1 36.3

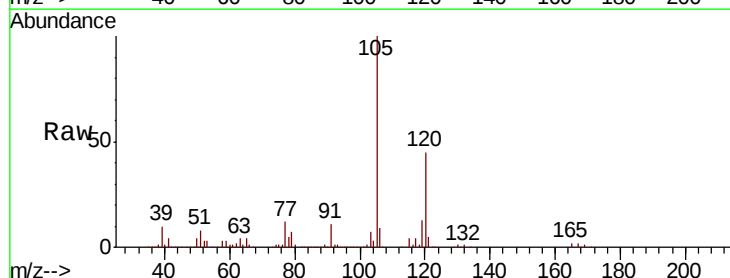


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

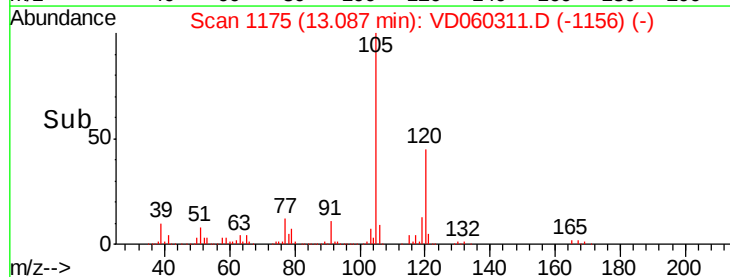
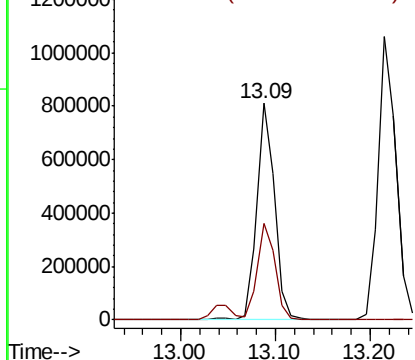


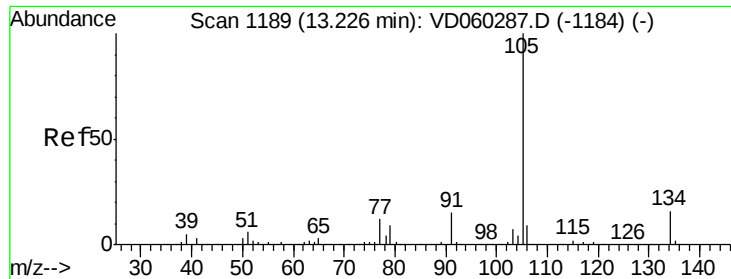
#84
1,2,4-Trimethylbenzene
Concen: 21.901 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:105 Resp: 1053779
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 21.523 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

Instrument :

MSVOA_D

ClientSampleId :

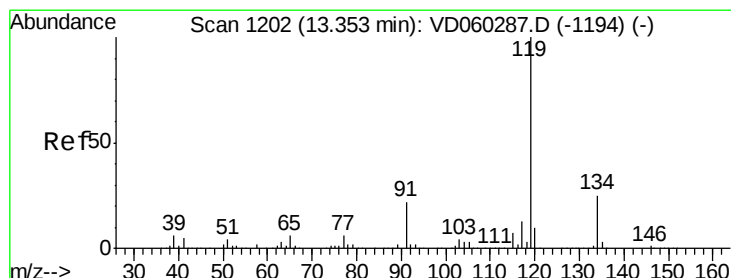
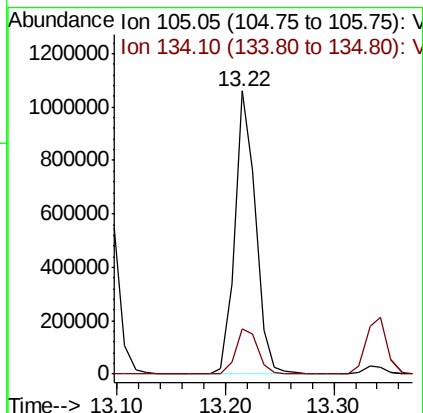
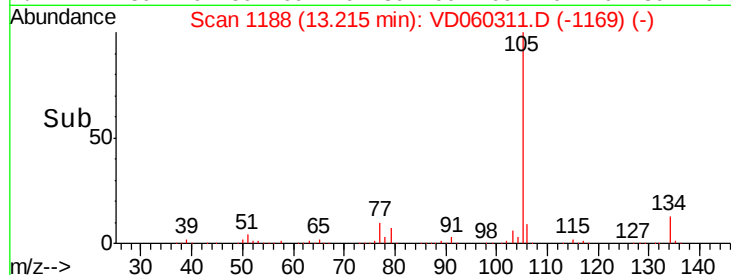
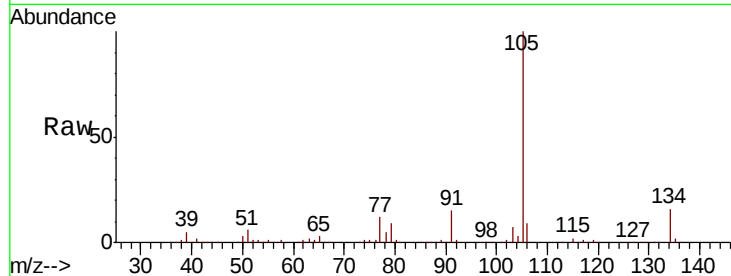
VD1109SBS01

Tot Ion:105 Resp: 1412410

Ion Ratio Lower Upper

105 100

134 16.2 8.0 24.0



#86

p-Isopropyltoluene

Concen: 22.237 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060311.D

Acq: 9 Nov 2018 14:34

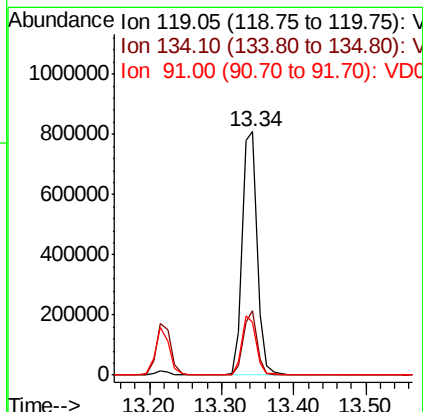
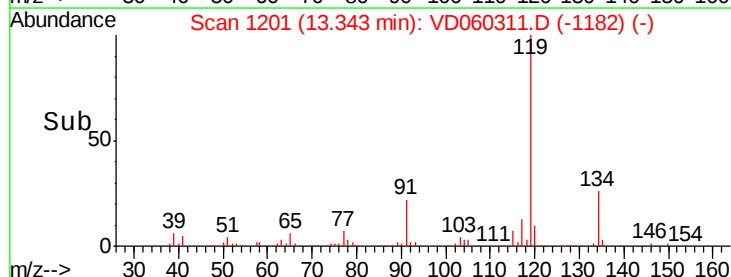
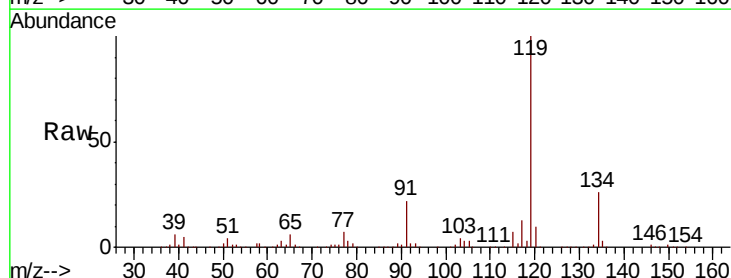
Tgt Ion:119 Resp: 1175157

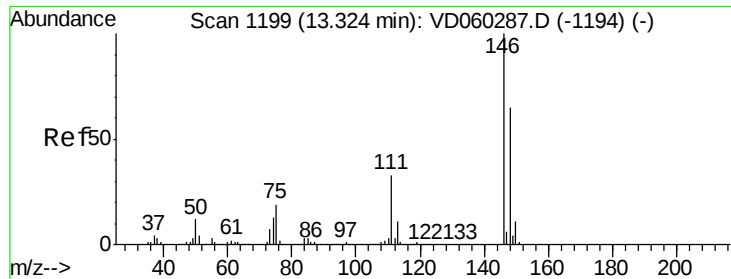
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

91 21.9 11.3 33.8

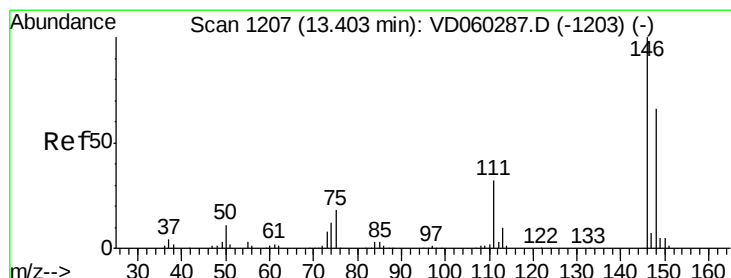
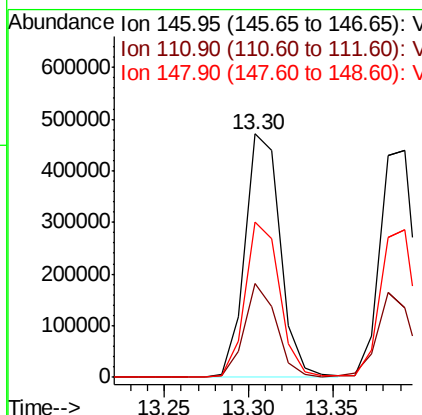
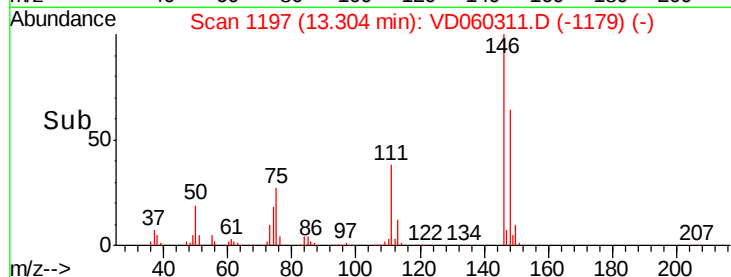
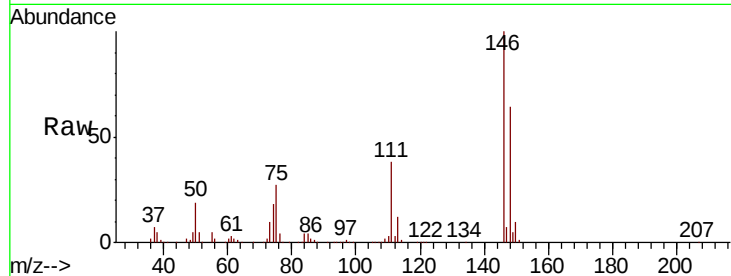




#87
 1,3-Dichlorobenzene
 Concen: 23.394 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

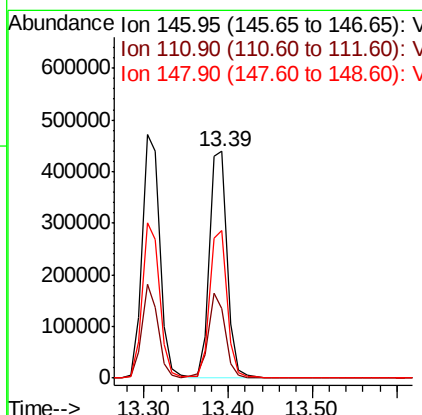
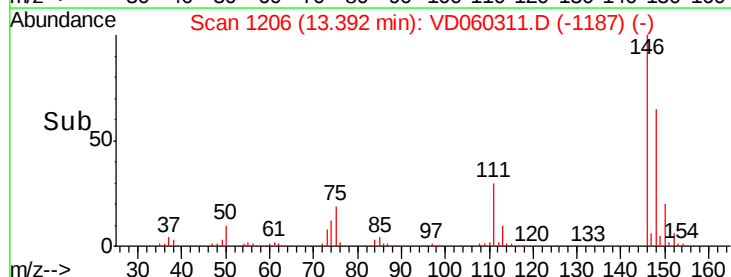
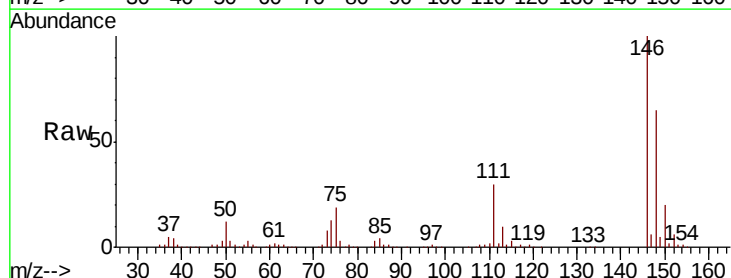
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

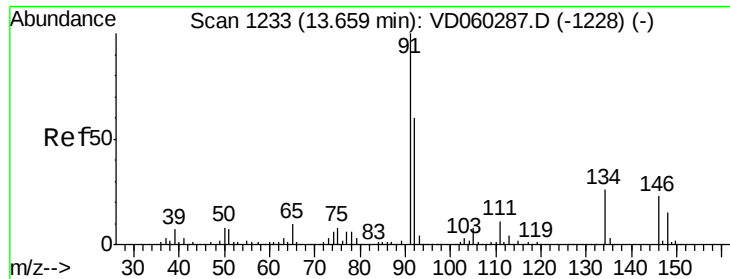
Tot Ion:146 Resp: 685377
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.501 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion:146 Resp: 643819
 Ion Ratio Lower Upper
 146 100
 111 30.5 16.0 47.9
 148 65.1 32.9 98.7

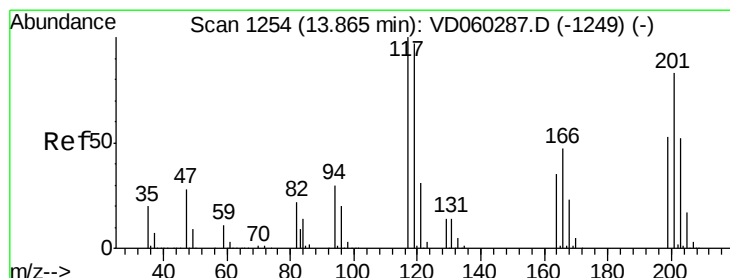
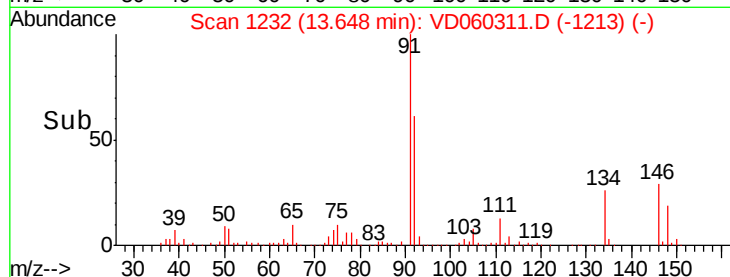
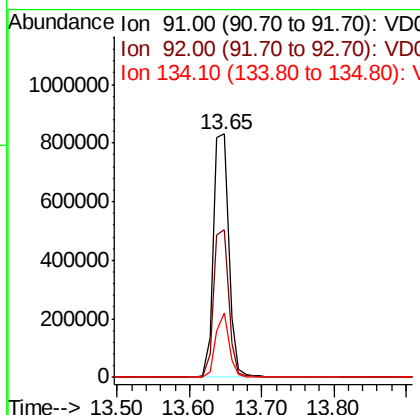
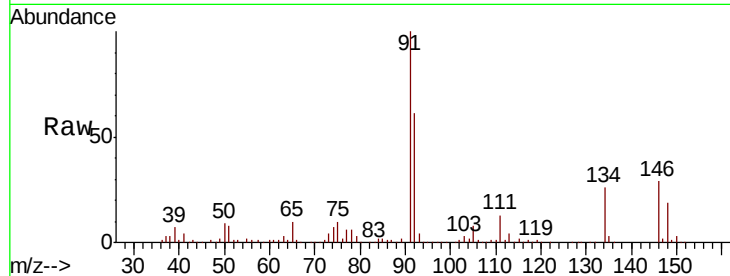




#89
n-Butylbenzene
Concen: 20.972 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

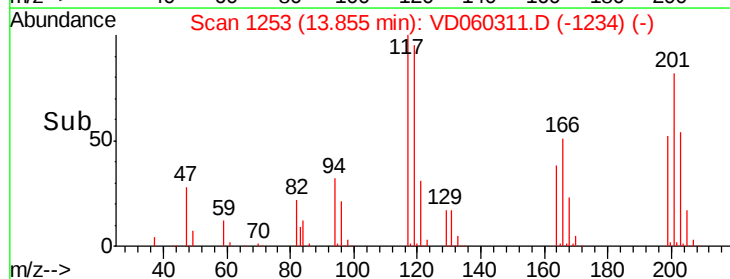
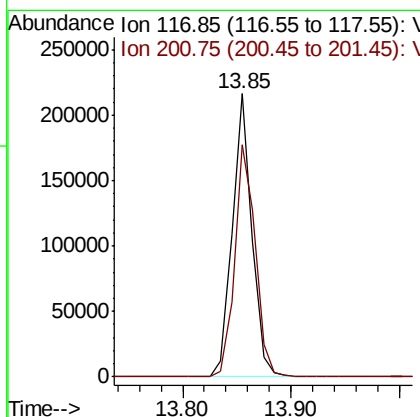
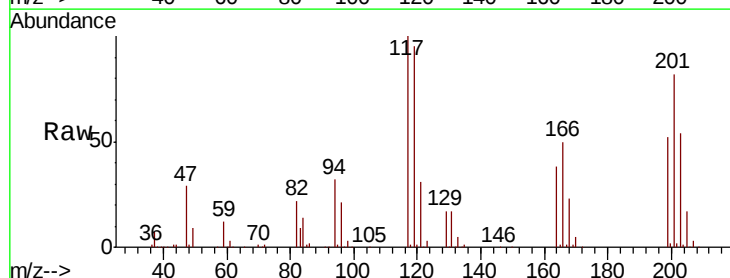
Instrument :
MSVOA_D
ClientSampleID :
VD1109SBSD01

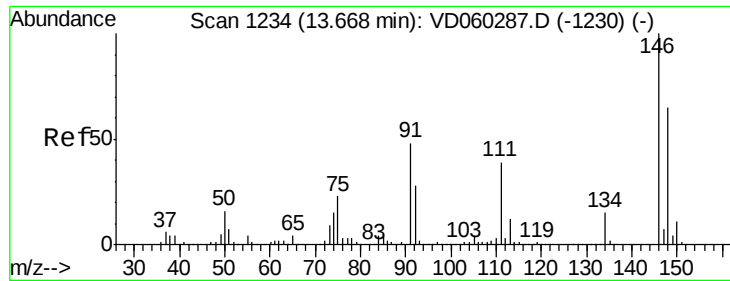
Tot Ion: 91 Resp: 1212752
Ion Ratio Lower Upper
91 100
92 60.8 30.3 90.9
134 26.3 13.0 38.9



#90
Hexachloroethane
Concen: 21.718 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion: 117 Resp: 272152
Ion Ratio Lower Upper
117 100
201 82.0 40.1 120.3

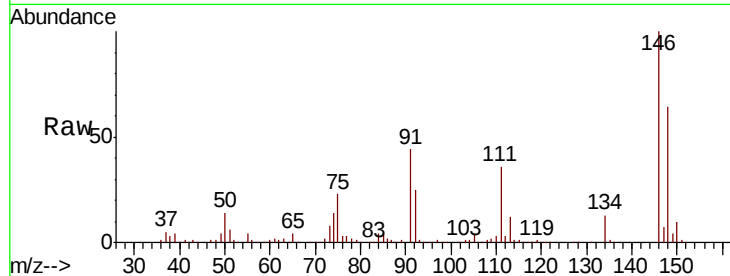




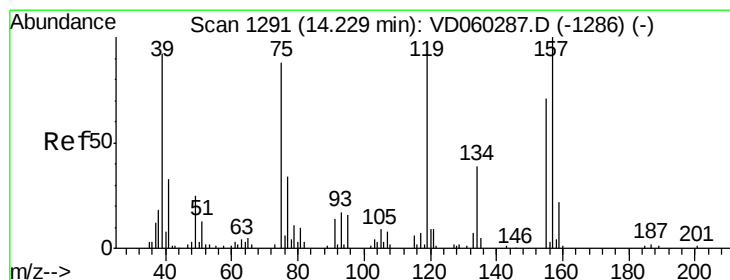
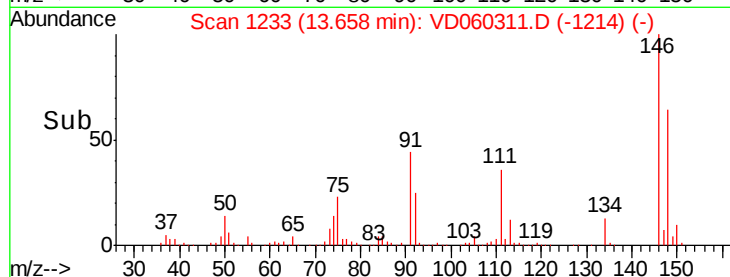
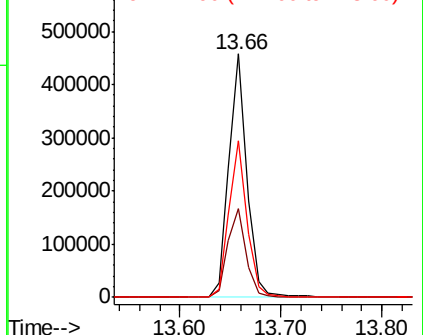
#91
 1,2-Dichlorobenzene
 Concen: 23.580 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

Tot Ion:146 Resp: 567433
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.9 56.9
 148 64.3 31.6 94.8

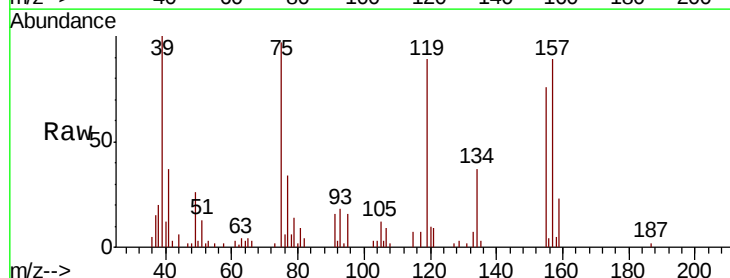


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

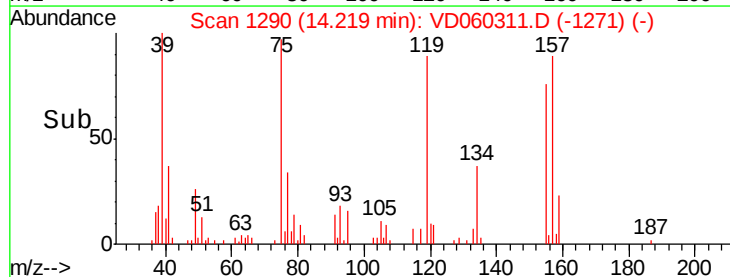
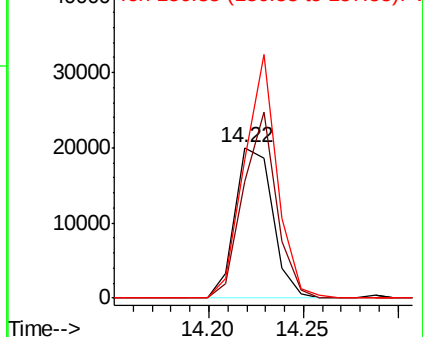


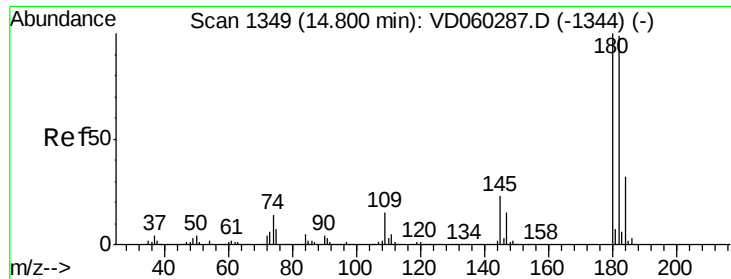
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.317 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion: 75 Resp: 27313
 Ion Ratio Lower Upper
 75 100
 155 78.2 64.3 192.9
 157 92.6 81.0 243.1



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

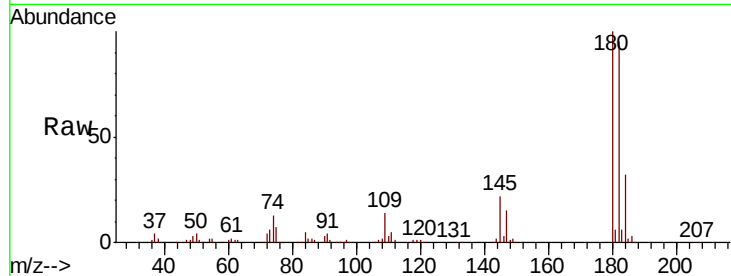




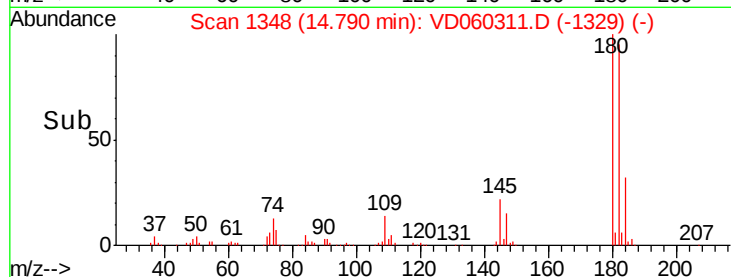
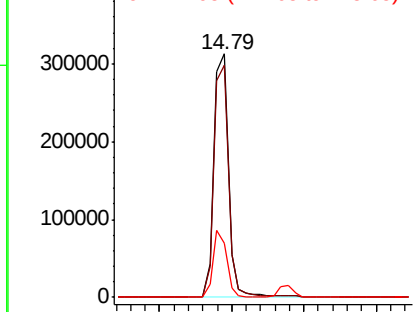
#93
 1,2,4-Trichlorobenzene
 Concen: 22.915 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBSD01

Tot Ion:180 Resp: 437202
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.1 144.4
 145 22.2 11.5 34.4

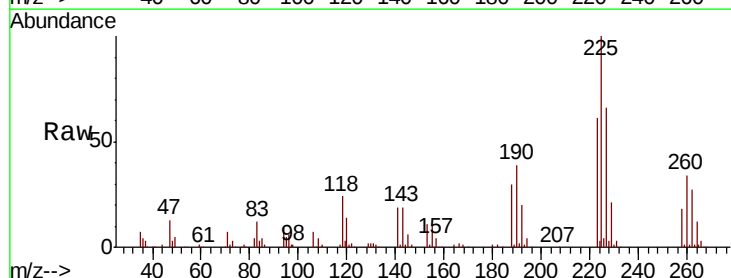


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

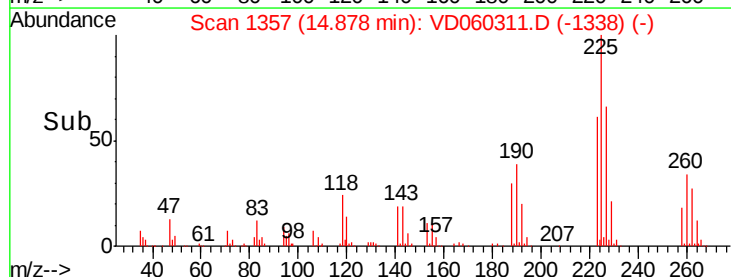
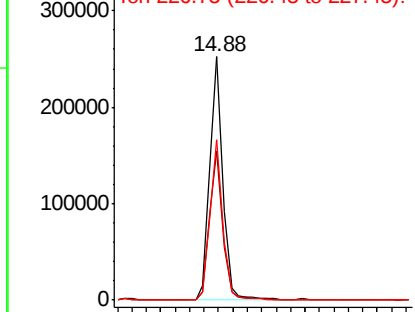


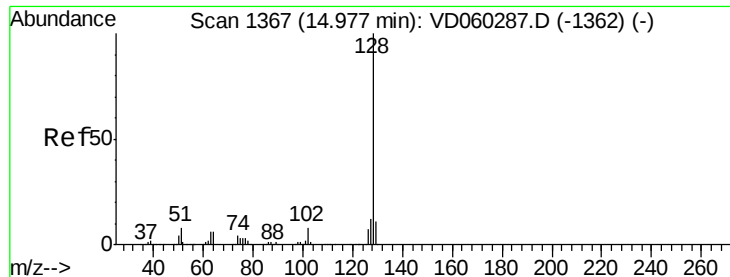
#94
 Hexachlorobutadiene
 Concen: 22.416 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060311.D
 Acq: 9 Nov 2018 14:34

Tgt Ion:225 Resp: 319900
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.6 94.8
 227 65.8 32.3 96.9



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

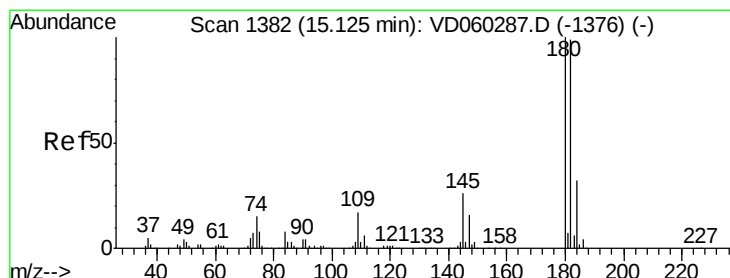
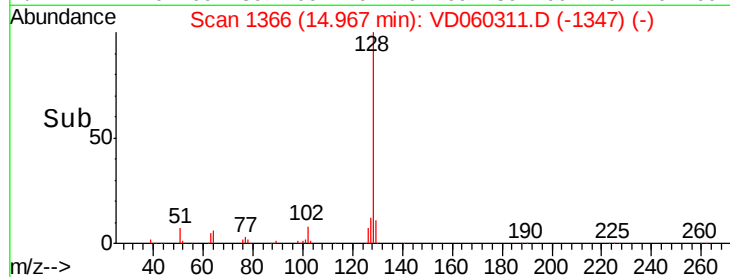
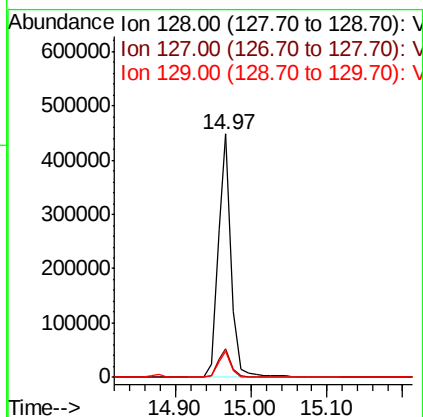
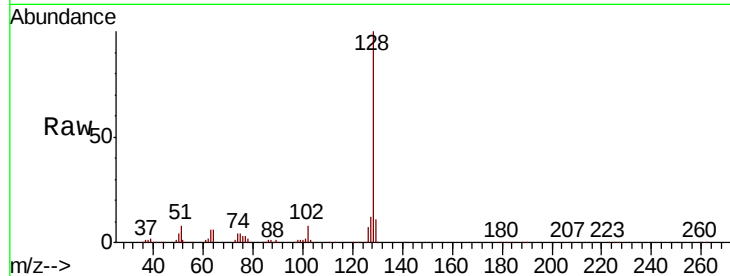




#95
Naphthalene
Concen: 23.084 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBSD01

Tot Ion:128 Resp: 537792
Ion Ratio Lower Upper
128 100
127 11.9 9.6 14.4
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 23.345 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060311.D
Acq: 9 Nov 2018 14:34

Tgt Ion:180 Resp: 356925
Ion Ratio Lower Upper
180 100
182 95.7 48.9 146.7
145 25.7 12.9 38.6

