

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060469.D
 Acq On : 3 Dec 2018 12:13
 Operator : VA/AP
 Sample : VD1203SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Quant Time: Dec 04 02:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1332800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1821103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1448948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	732094	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	474344	49.71	ug/l	0.02
Spiked Amount			Recovery	=	99.42%	
35) Dibromofluoromethane	6.35	113	710534	52.32	ug/l	0.02
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	9.48	98	2037840	51.27	ug/l	0.02
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.43	95	737641	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	255267	21.837	ug/l	97
3) Chloromethane	1.78	50	250837	19.869	ug/l	96
4) Vinyl Chloride	1.87	62	211295	20.494	ug/l	100
5) Bromomethane	2.16	94	39546	16.167	ug/l	99
6) Chloroethane	2.27	64	66582	19.463	ug/l	94
7) Trichlorofluoromethane	2.53	101	249132	20.495	ug/l	98
8) Diethyl Ether	2.85	74	43968	19.978	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	168087	21.024	ug/l	97
10) Methyl Iodide	3.27	142	177592	17.103	ug/l	97
11) Tert butyl alcohol	4.01	59	42208	107.709	ug/l #	88
12) 1,1-Dichloroethene	3.10	96	129663	19.938	ug/l	97
13) Acrolein	3.00	56	26372	56.954	ug/l	95
14) Allyl chloride	3.56	41	268271	21.560	ug/l	96
15) Acrylonitrile	4.12	53	244557	107.018	ug/l	98
16) Acetone	3.18	43	174952	105.689	ug/l	100
17) Carbon Disulfide	3.34	76	389061	18.535	ug/l	99
18) Methyl Acetate	3.58	43	71075	20.137	ug/l	97
19) Methyl tert-butyl Ether	4.15	73	419652	21.550	ug/l	100
20) Methylene Chloride	3.75	84	317082	21.593	ug/l	97
21) trans-1,2-Dichloroethene	4.13	96	307163	21.272	ug/l	99
22) Diisopropyl ether	4.89	45	1040486	22.382	ug/l	99
23) Vinyl Acetate	4.83	43	2485078	107.431	ug/l	98
24) 1,1-Dichloroethane	4.79	63	529292	22.203	ug/l	99
25) 2-Butanone	5.64	43	364246	105.863	ug/l	100
26) 2,2-Dichloropropane	5.62	77	417333	22.517	ug/l	100
27) cis-1,2-Dichloroethene	5.63	96	340072	22.607	ug/l	95
28) Bromochloromethane	5.95	49	213968	20.342	ug/l	94
29) Tetrahydrofuran	5.98	42	186425	102.767	ug/l	100
30) Chloroform	6.13	83	530848	22.275	ug/l	100
31) Cyclohexane	6.39	56	465605	20.435	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	439029	21.870	ug/l	98
36) 1,1-Dichloropropene	6.55	75	397675	22.103	ug/l	98
37) Ethyl Acetate	5.72	43	174717	21.104	ug/l	98
38) Carbon Tetrachloride	6.52	117	378616	22.686	ug/l	97

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 Sample : VD1203SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
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Quant Time: Dec 04 02:19:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	453133	21.898	ug/l	98
40) Benzene	6.82	78	1016568	22.135	ug/l	99
41) Methacrylonitrile	5.96	41	194992	20.578	ug/l #	87
42) 1,2-Dichloroethane	6.92	62	257819	21.448	ug/l	98
43) Isopropyl Acetate	8.37	43	221718	21.320	ug/l #	97
44) Trichloroethene	7.77	130	317958	22.839	ug/l	98
45) 1,2-Dichloropropane	8.12	63	257192	22.205	ug/l	98
46) Dibromomethane	8.24	93	149850	22.090	ug/l	97
47) Bromodichloromethane	8.52	83	355341	22.229	ug/l	95
48) Methyl methacrylate	8.27	41	131866	20.875	ug/l	93
49) 1,4-Dioxane	8.25	88	24678	451.517	ug/l	90
51) 4-Methyl-2-Pentanone	9.36	43	723400	106.875	ug/l	98
52) Toluene	9.57	92	661599	22.552	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	295688	21.892	ug/l	100
54) cis-1,3-Dichloropropene	9.13	75	381789	22.039	ug/l	98
55) 1,1,2-Trichloroethane	10.20	97	184023	21.642	ug/l	98
56) Ethyl methacrylate	10.05	69	167381	21.410	ug/l	99
57) 1,3-Dichloropropane	10.41	76	271139	20.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	507556	107.371	ug/l	98
59) 2-Hexanone	10.51	43	523411	108.495	ug/l	99
60) Dibromochloromethane	10.66	129	237058	22.935	ug/l	98
61) 1,2-Dibromoethane	10.78	107	185001	21.715	ug/l	97
64) Tetrachloroethene	10.27	164	288902	22.334	ug/l	97
65) Chlorobenzene	11.33	112	715180	22.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	239415	23.307	ug/l	97
67) Ethyl Benzene	11.44	91	1271850	23.682	ug/l	99
68) m/p-Xylenes	11.58	106	953278	48.119	ug/l	99
69) o-Xylene	11.95	106	448390	23.428	ug/l	91
70) Styrene	11.97	104	710837	22.982	ug/l	99
71) Bromoform	12.13	173	151573	21.959	ug/l	100
73) Isopropylbenzene	12.29	105	1224515	22.957	ug/l	100
74) N-amyl acetate	12.15	43	280432	20.507	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	182593	20.932	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	186144	21.255	ug/l	97
77) Bromobenzene	12.55	156	314341	22.187	ug/l	99
78) n-propylbenzene	12.65	91	1574257	23.646	ug/l	99
79) 2-Chlorotoluene	12.72	91	851128	23.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	958373	23.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.36	75	52760	21.161	ug/l	91
82) 4-Chlorotoluene	12.82	91	951882	23.239	ug/l	100
83) tert-Butylbenzene	13.06	119	1081131	23.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	981729	23.714	ug/l	98
85) sec-Butylbenzene	13.23	105	1301292	23.047	ug/l	99
86) p-Isopropyltoluene	13.35	119	1062217	23.361	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	572017	22.693	ug/l	99
88) 1,4-Dichlorobenzene	13.40	146	558710	22.695	ug/l	93
89) n-Butylbenzene	13.66	91	1117009	22.642	ug/l	97
90) Hexachloroethane	13.87	117	252629	23.431	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	483321	23.344	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23064	21.903	ug/l	63

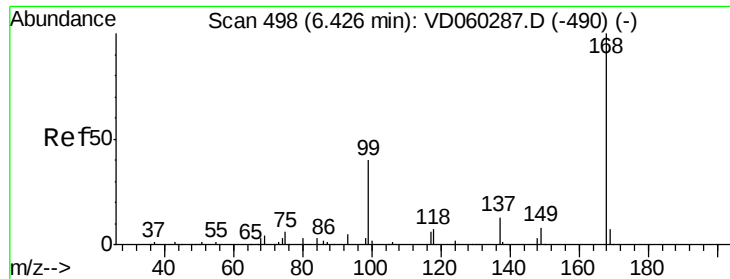
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
Data File : VD060469.D
Acq On : 3 Dec 2018 12:13
Operator : VA/AP
Sample : VD1203SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Quant Time: Dec 04 02:19:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	394384	24.025	ug/l	98
94) Hexachlorobutadiene	14.90	225	286198	23.309	ug/l	100
95) Naphthalene	14.98	128	459454	22.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	307104	23.346	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

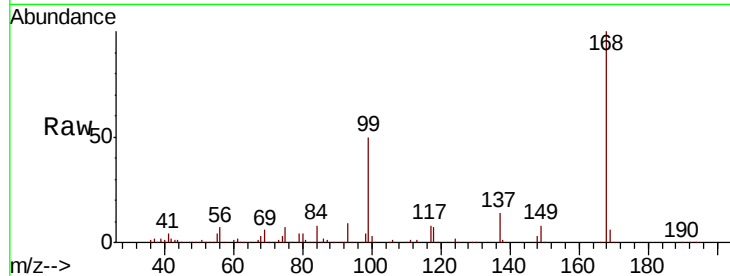
VD1203SBSD01

Tot Ion:168 Resp: 1332800

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

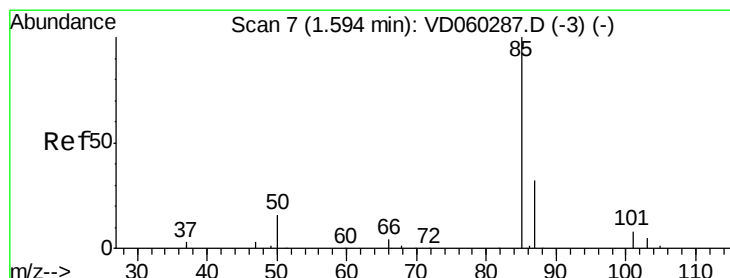
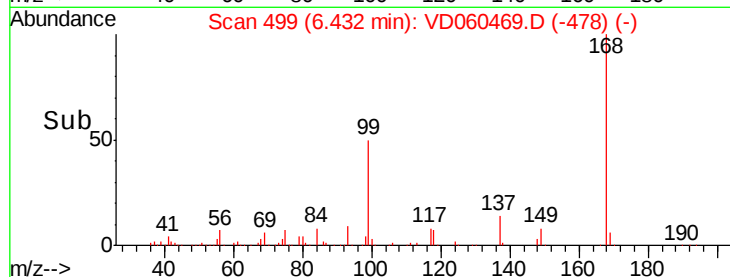
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.837 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060469.D

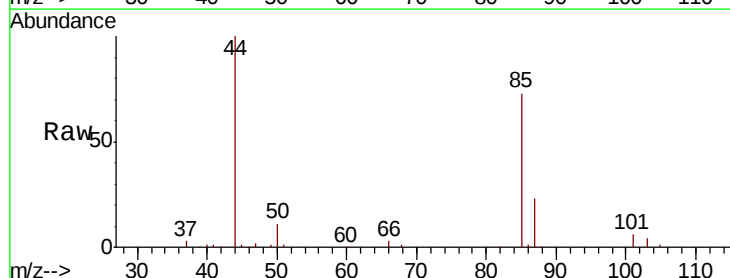
Acq: 3 Dec 2018 12:13

Tgt Ion: 85 Resp: 255267

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

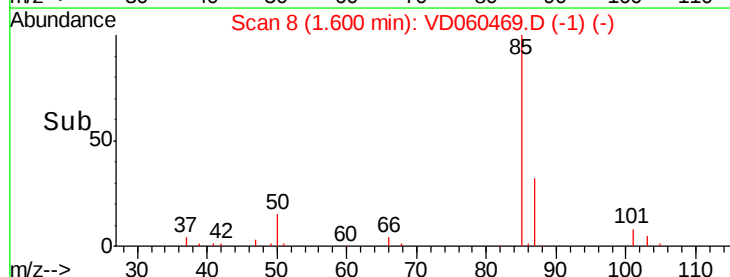
1.60

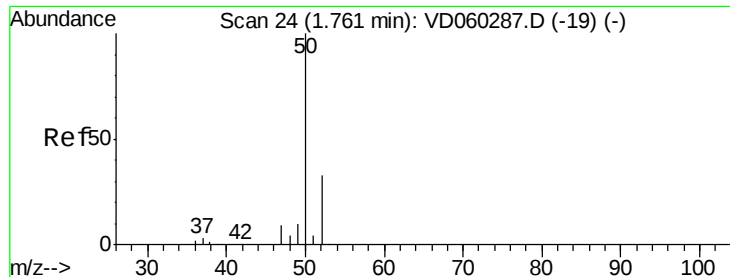
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.869 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

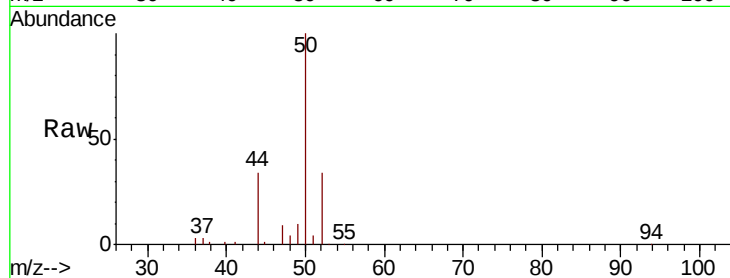
VD1203SBSD01

Tot Ion: 50 Resp: 250837

Ion Ratio Lower Upper

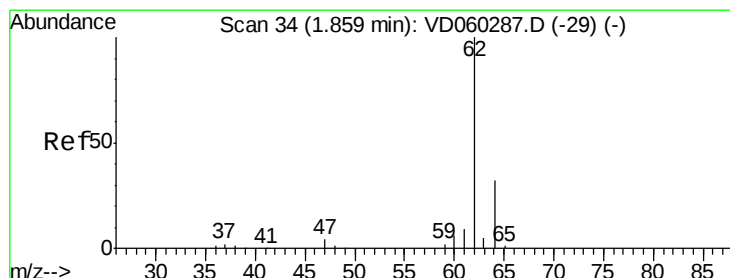
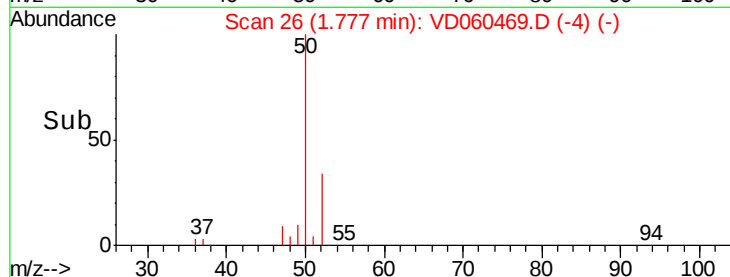
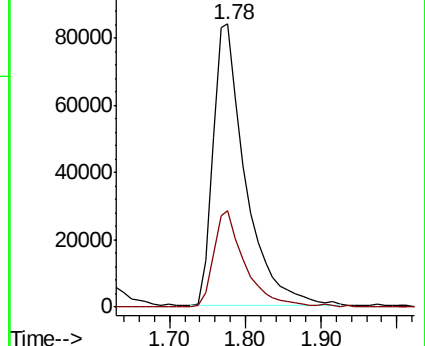
50 100

52 34.3 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: 20.494 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060469.D

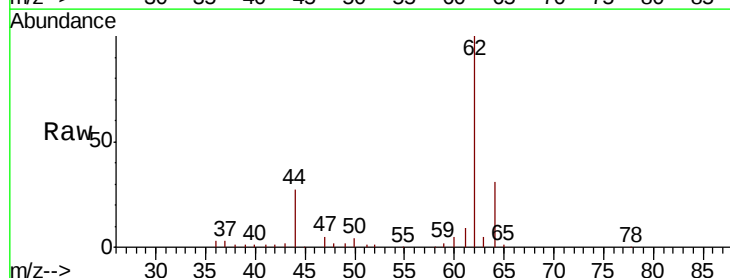
Acq: 3 Dec 2018 12:13

Tgt Ion: 62 Resp: 211295

Ion Ratio Lower Upper

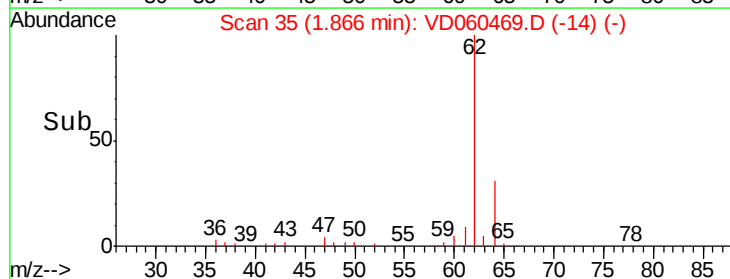
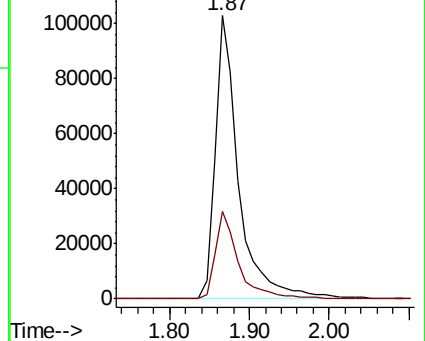
62 100

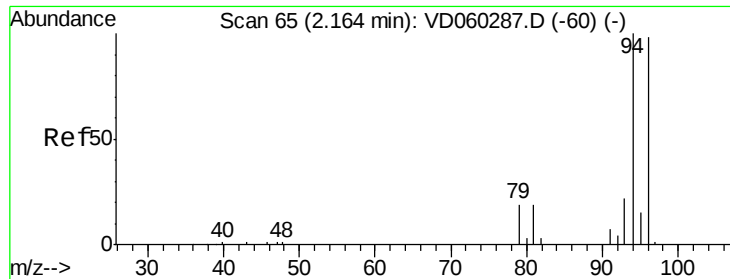
64 31.0 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

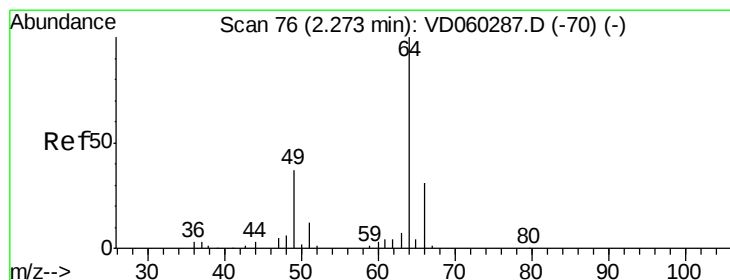
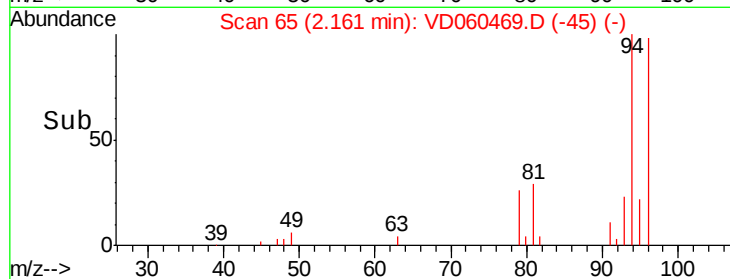
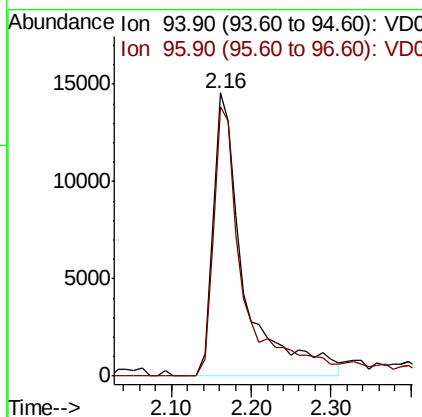
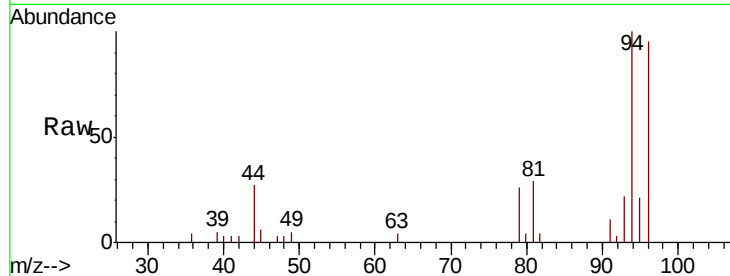




#5
Bromomethane
Concen: 16.167 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

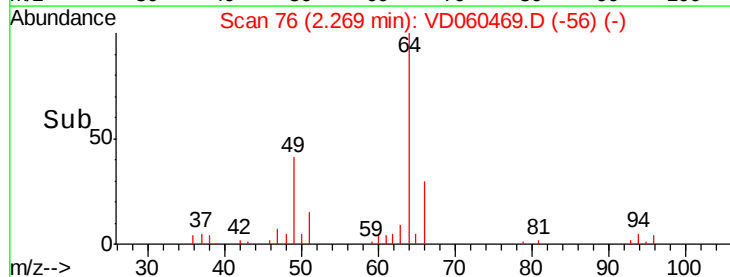
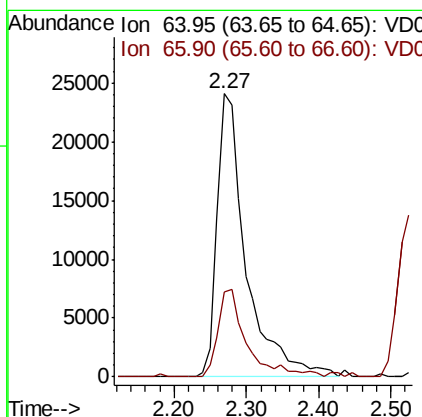
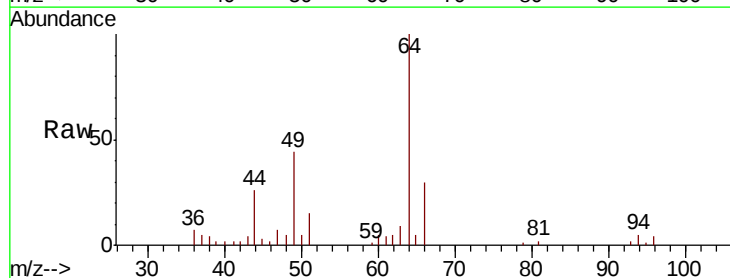
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion: 94 Resp: 39546
Ion Ratio Lower Upper
94 100
96 95.2 76.6 114.8



#6
Chloroethane
Concen: 19.463 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 64 Resp: 66582
Ion Ratio Lower Upper
64 100
66 29.8 26.6 40.0



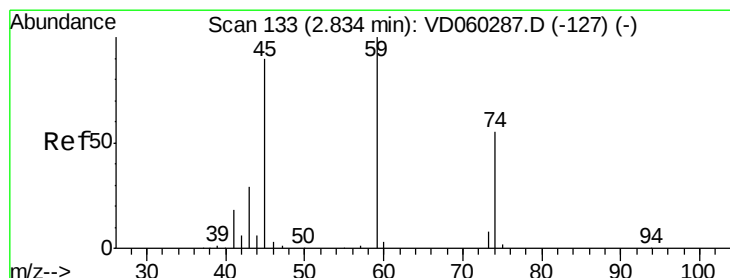
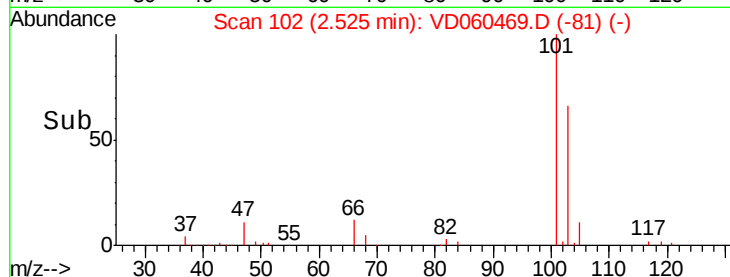
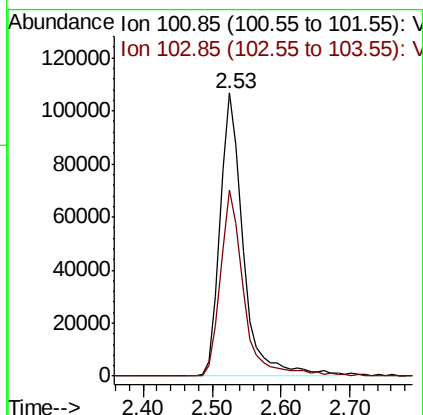
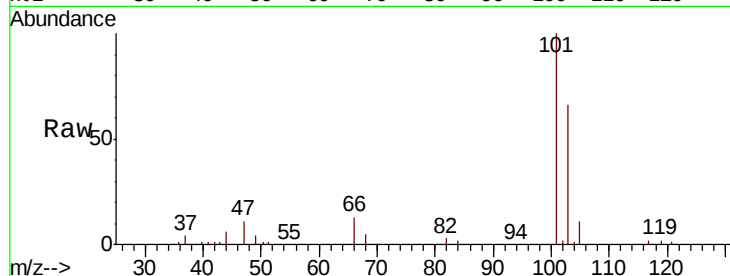


#7

Trichlorofluoromethane
Concen: 20.495 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

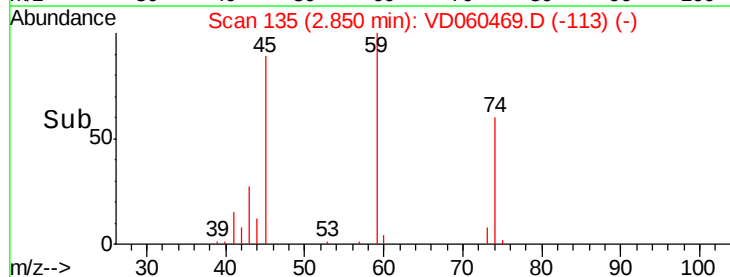
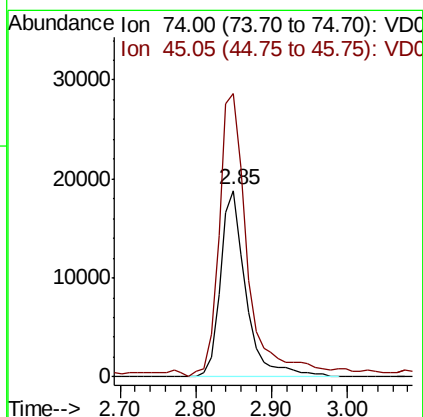
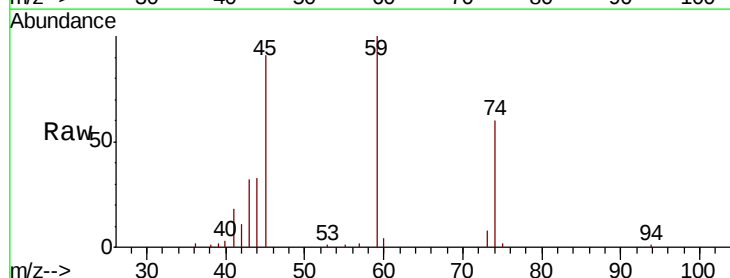
Tot Ion:101 Resp: 249132
Ion Ratio Lower Upper
101 100
103 65.7 53.6 80.4



#8

Diethyl Ether
Concen: 19.978 ug/l
RT: 2.85 min Scan# 135
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 74 Resp: 43968
Ion Ratio Lower Upper
74 100
45 151.7 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.024 ug/l

RT: 3.12 min Scan# 162

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

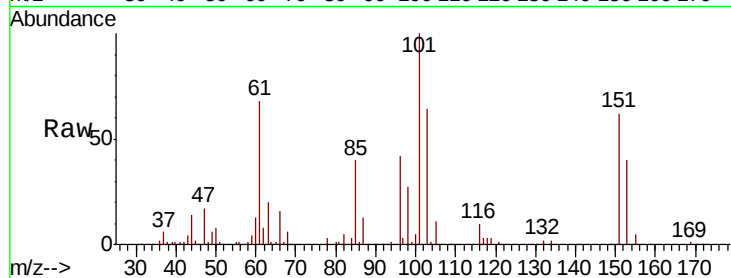
Tot Ion:101 Resp: 168087

Ion Ratio Lower Upper

101 100

85 40.3 31.4 47.0

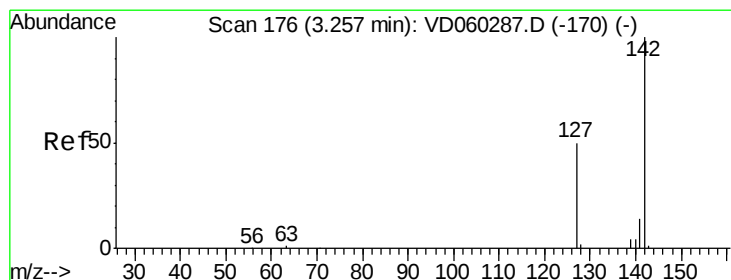
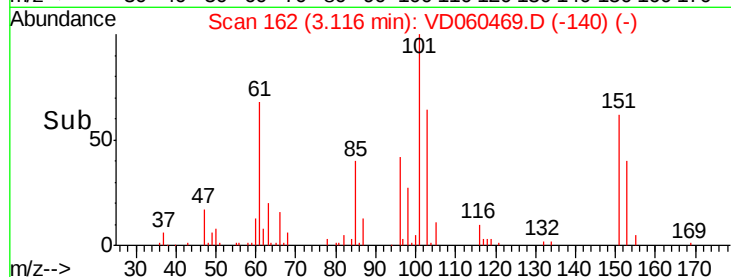
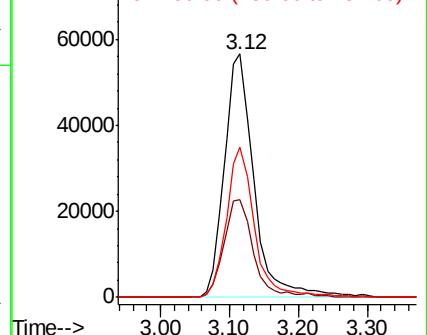
151 61.8 47.4 71.0



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: 17.103 ug/l

RT: 3.27 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

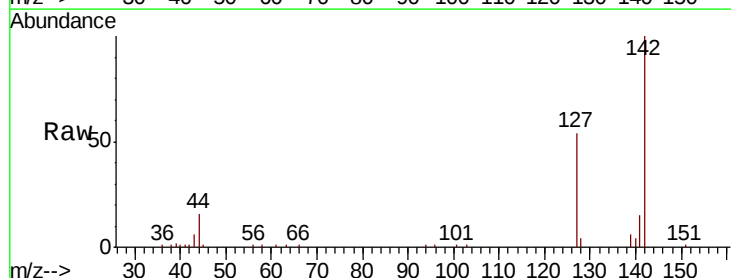
Tgt Ion:142 Resp: 177592

Ion Ratio Lower Upper

142 100

127 54.0 41.0 61.6

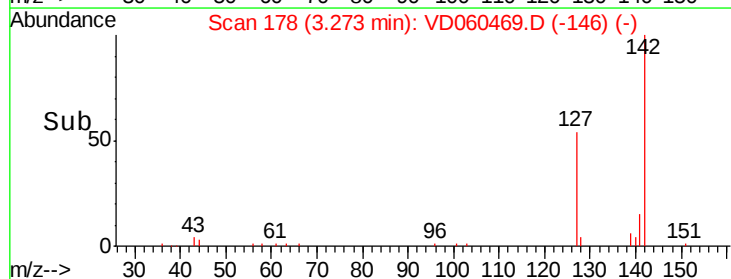
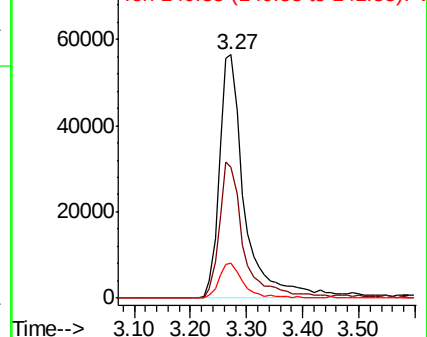
141 14.6 11.9 17.9

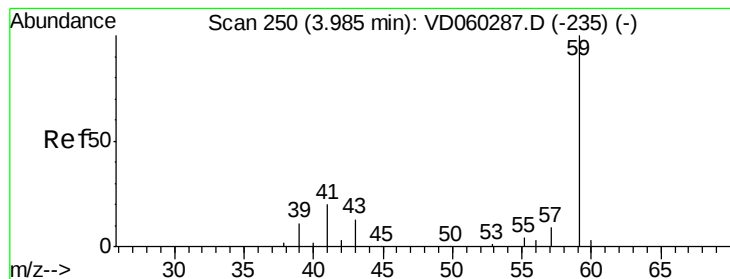


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 107.709 ug/l

RT: 4.01 min Scan# 253

Delta R.T. 0.03 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

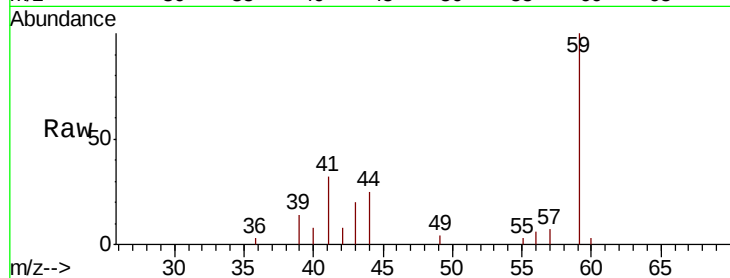
VD1203SBSD01

Tot Ion: 59 Resp: 42208

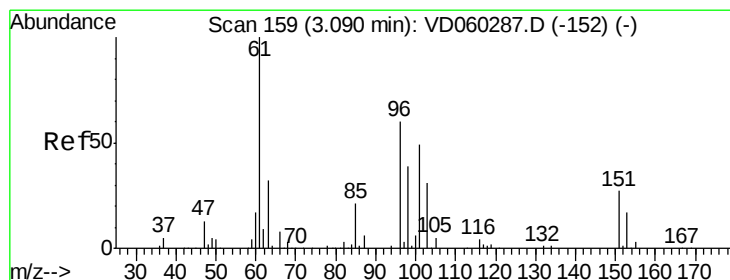
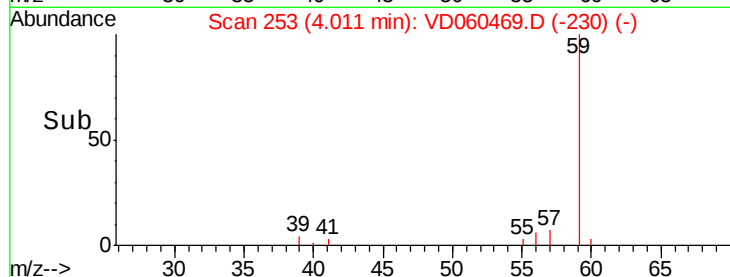
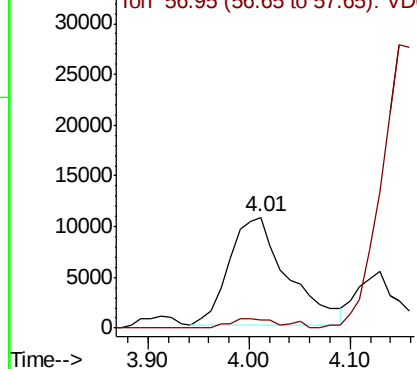
Ion Ratio Lower Upper

59 100

57 6.9 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: 19.938 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

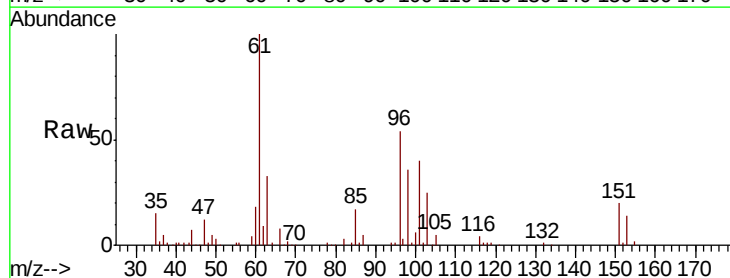
Tgt Ion: 96 Resp: 129663

Ion Ratio Lower Upper

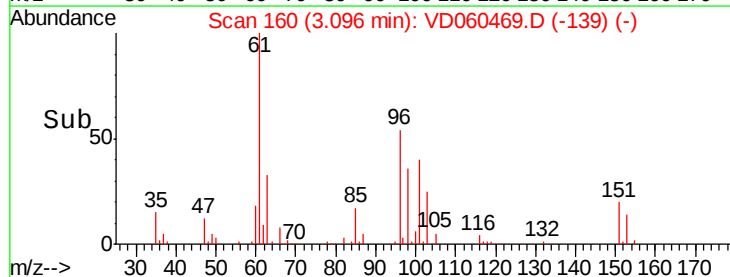
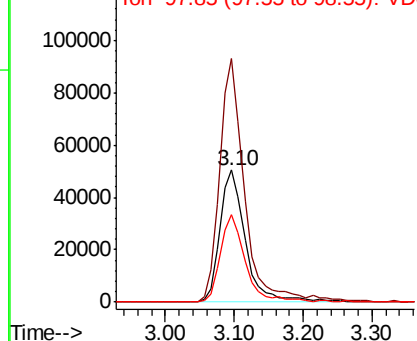
96 100

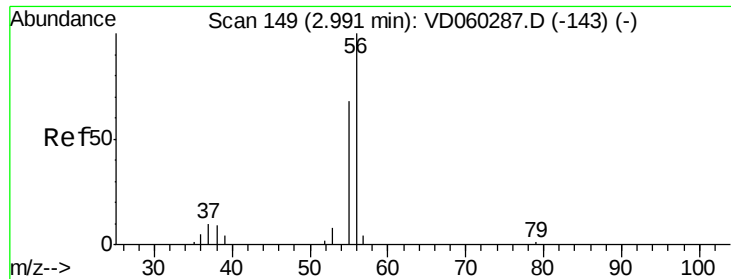
61 184.3 142.2 213.4

98 65.9 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: 56.954 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

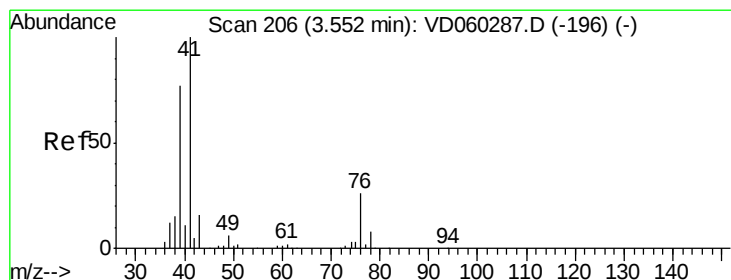
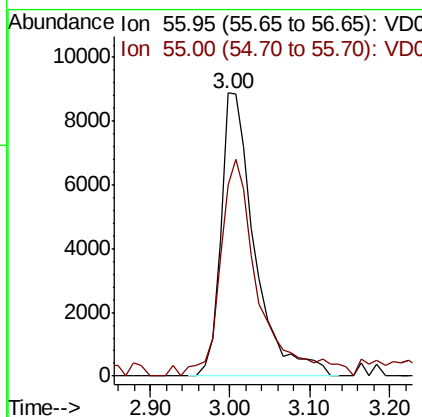
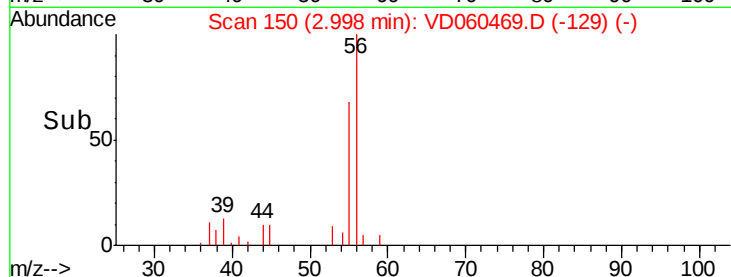
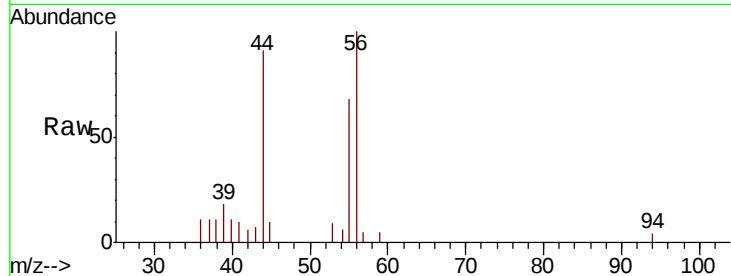
VD1203SBSD01

Tot Ion: 56 Resp: 26372

Ion Ratio Lower Upper

56 100

55 67.5 57.0 85.6



#14

Allyl chloride

Concen: 21.560 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

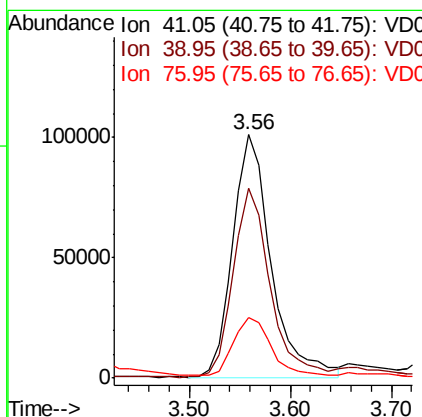
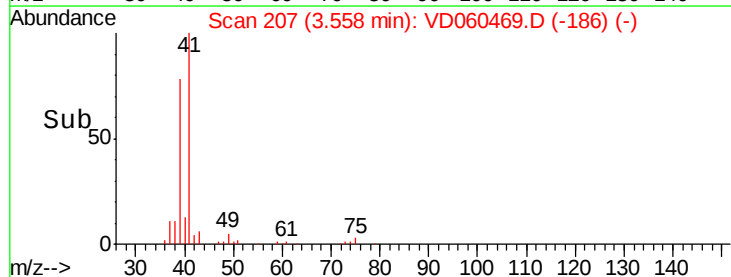
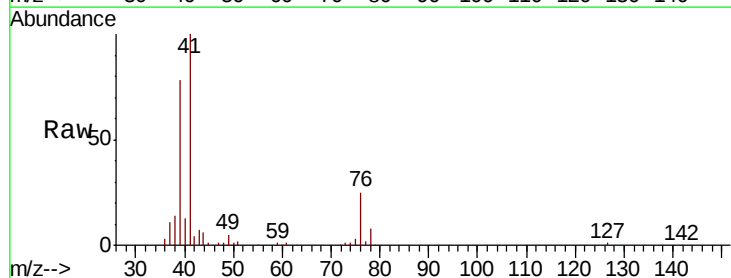
Tgt Ion: 41 Resp: 268271

Ion Ratio Lower Upper

41 100

39 78.1 60.4 90.6

76 24.7 21.8 32.8





#15

Acrylonitrile

Concen: 107.018 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

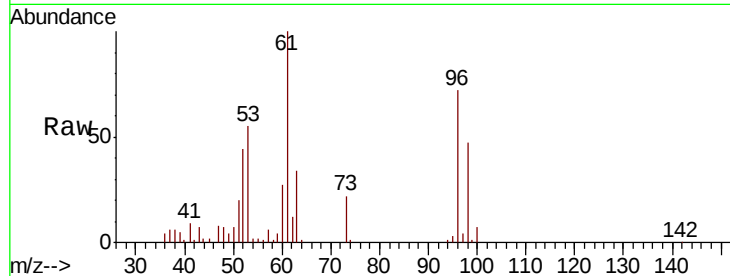
Tot Ion: 53 Resp: 244557

Ion Ratio Lower Upper

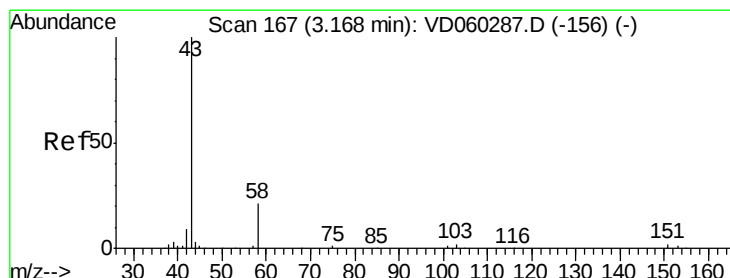
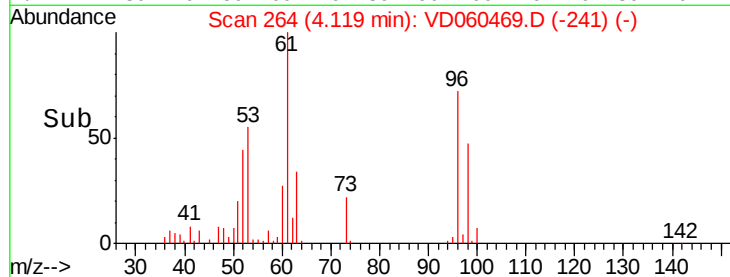
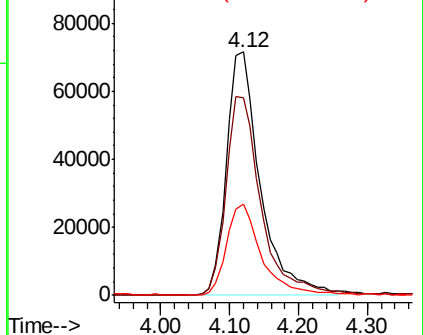
53 100

52 81.3 67.0 100.4

51 37.5 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: 105.689 ug/l

RT: 3.18 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060469.D

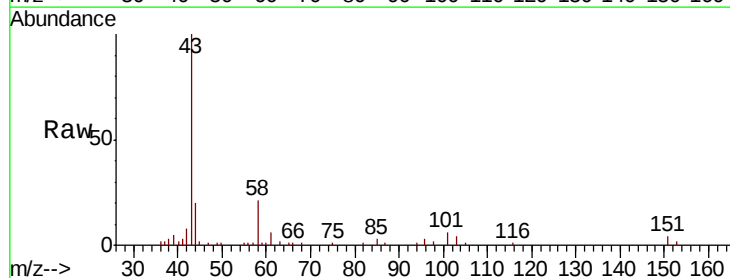
Acq: 3 Dec 2018 12:13

Tgt Ion: 43 Resp: 174952

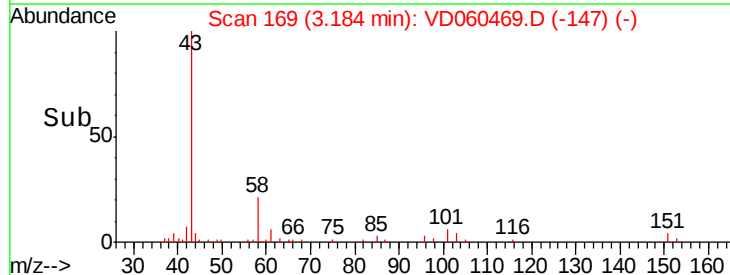
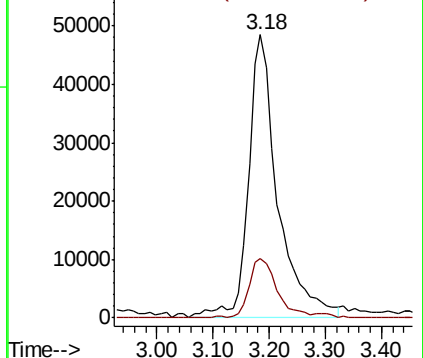
Ion Ratio Lower Upper

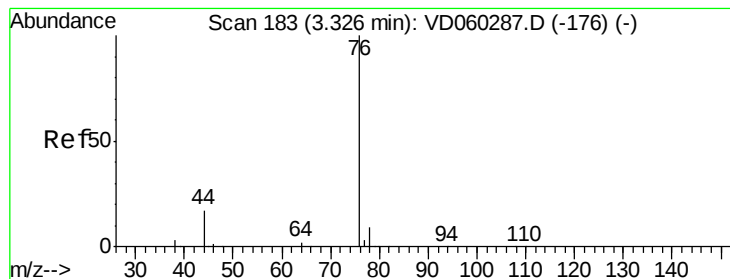
43 100

58 21.1 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: 18.535 ug/l

RT: 3.34 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

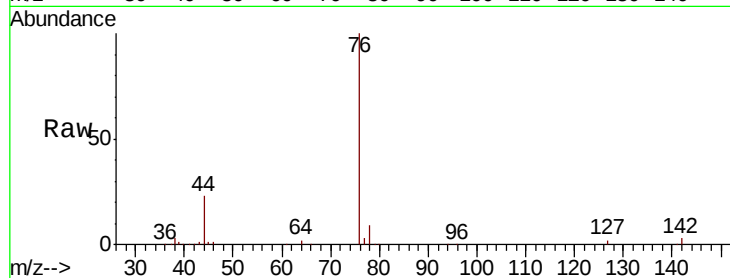
VD1203SBSD01

Tot Ion: 76 Resp: 389061

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.34

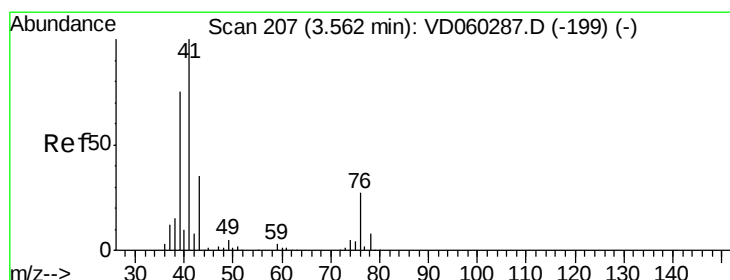
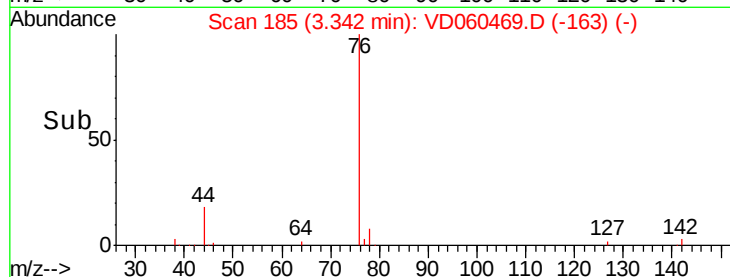
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.137 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060469.D

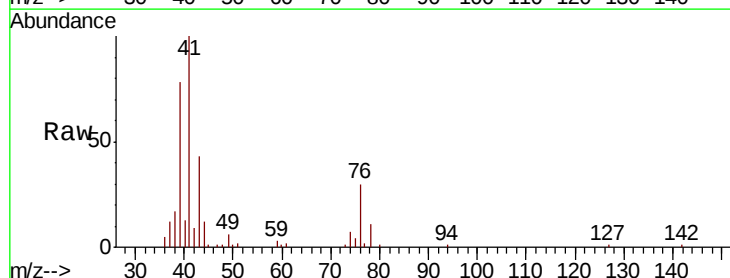
Acq: 3 Dec 2018 12:13

Tgt Ion: 43 Resp: 71075

Ion Ratio Lower Upper

43 100

74 16.7 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.58

25000

20000

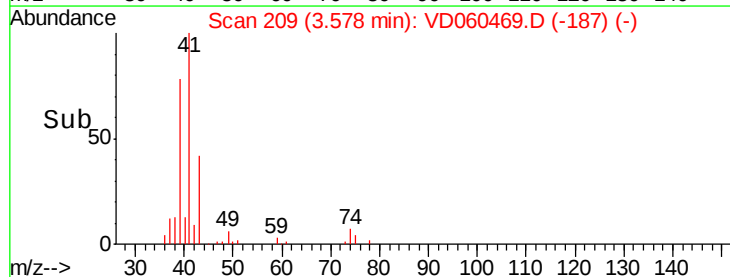
15000

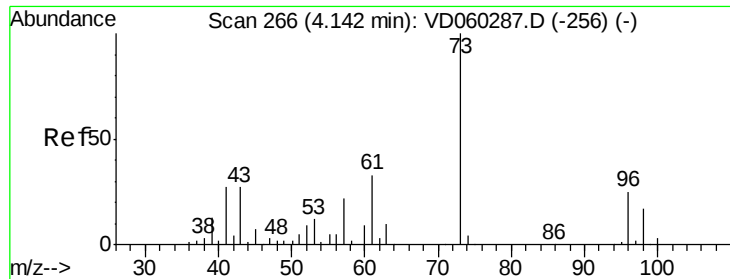
10000

5000

0

Time-->

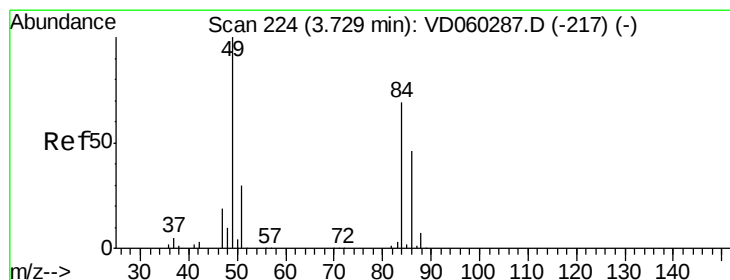
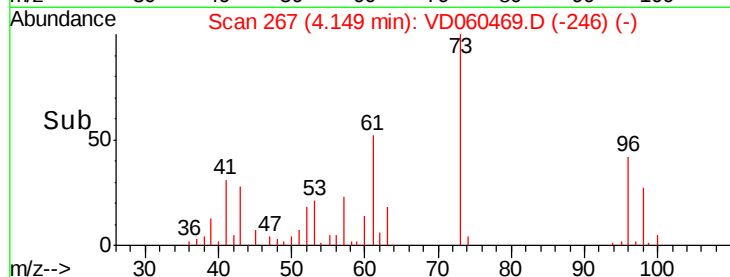
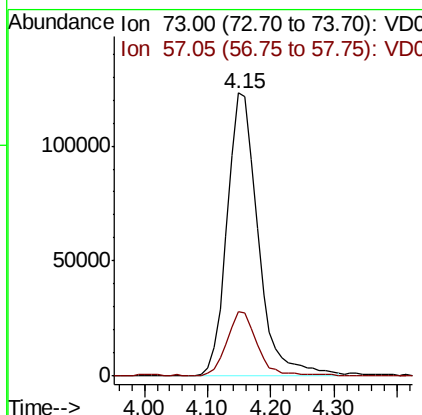
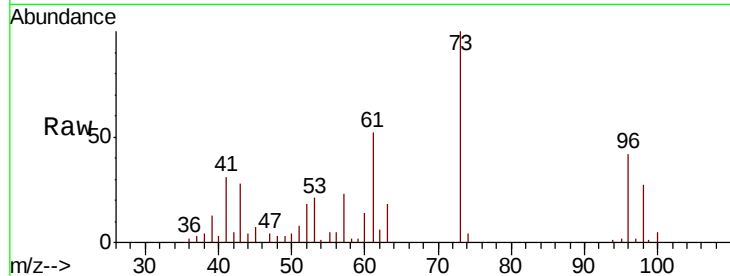




#19
Methyl tert-butyl Ether
Concen: 21.550 ug/l
RT: 4.15 min Scan# 267
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

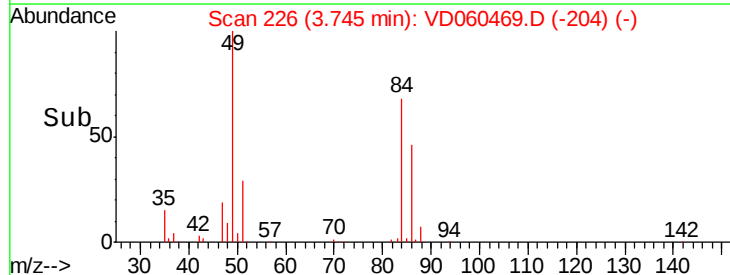
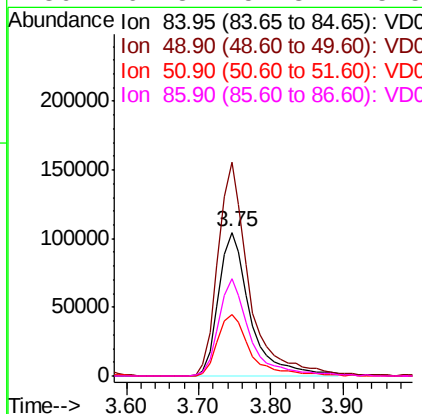
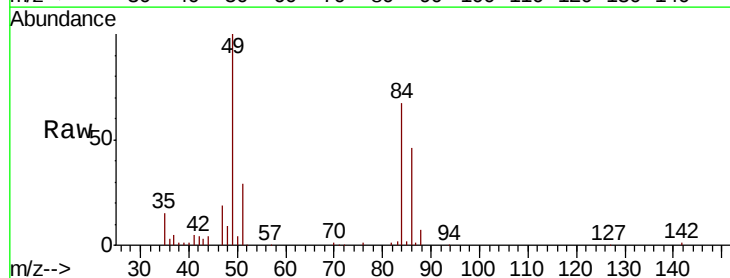
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBS01

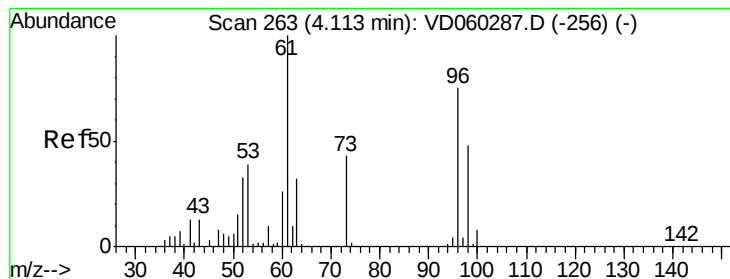
Tot Ion: 73 Resp: 419652
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1



#20
Methylene Chloride
Concen: 21.593 ug/l
RT: 3.75 min Scan# 226
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 84 Resp: 317082
Ion Ratio Lower Upper
84 100
49 148.5 115.6 173.4
51 42.9 35.6 53.4
86 67.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.272 ug/l

RT: 4.13 min Scan# 265

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

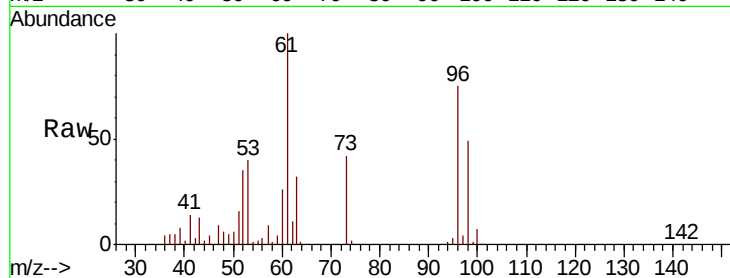
Tot Ion: 96 Resp: 307163

Ion Ratio Lower Upper

96 100

61 132.6 105.8 158.6

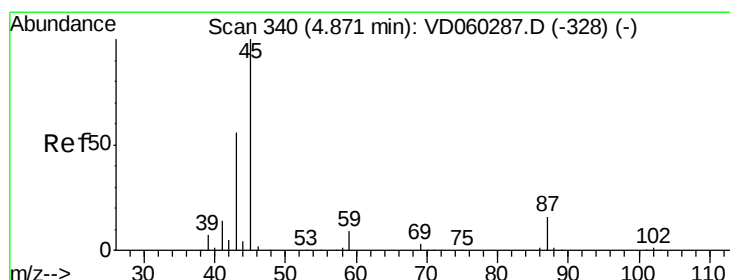
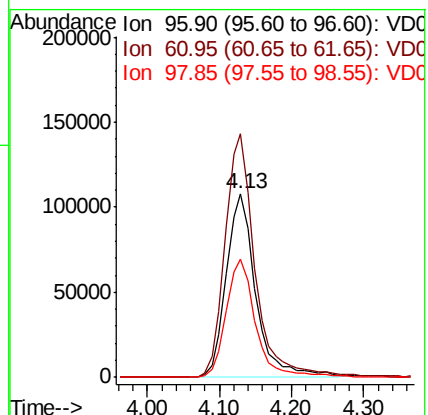
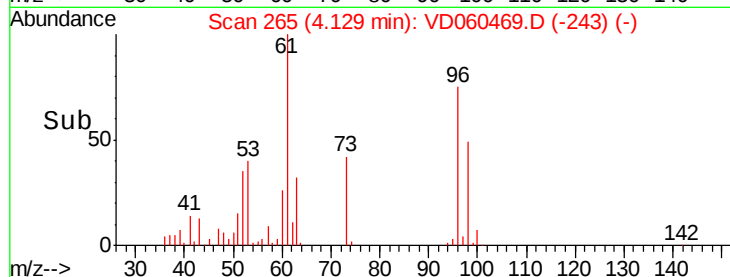
98 64.6 50.8 76.2



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: 22.382 ug/l

RT: 4.89 min Scan# 342

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Tgt Ion: 45 Resp: 1040486

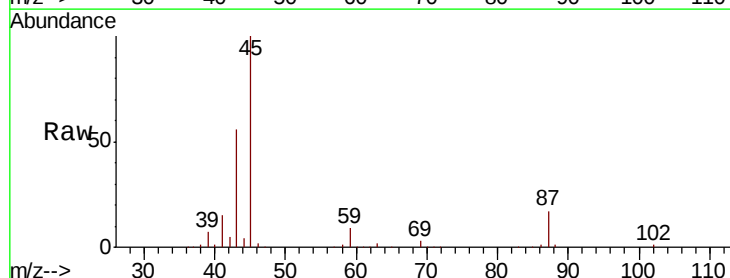
Ion Ratio Lower Upper

45 100

43 55.9 44.9 67.3

87 16.7 13.9 20.9

59 9.0 7.0 10.6

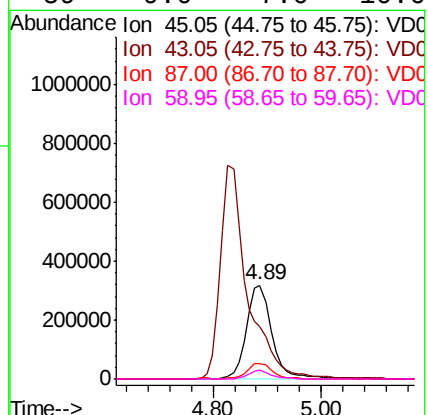
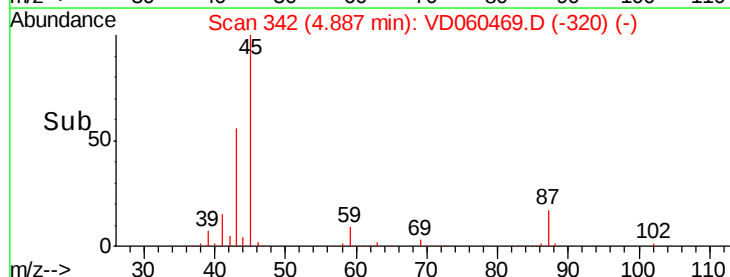


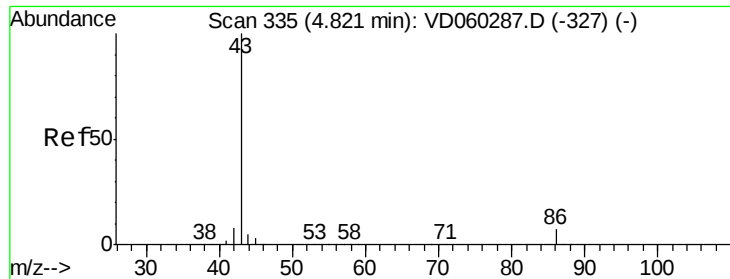
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 107.431 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

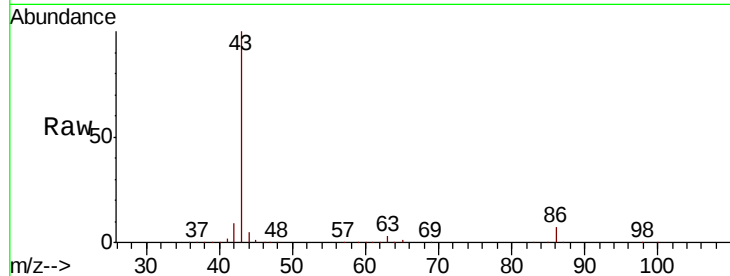
VD1203SBSD01

Tot Ion: 43 Resp: 2485078

Ion Ratio Lower Upper

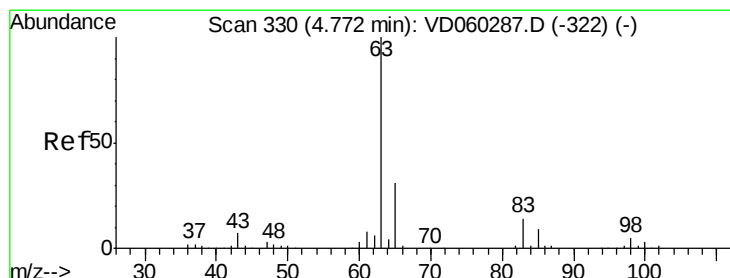
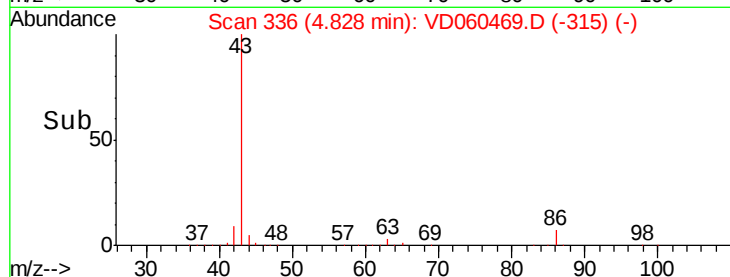
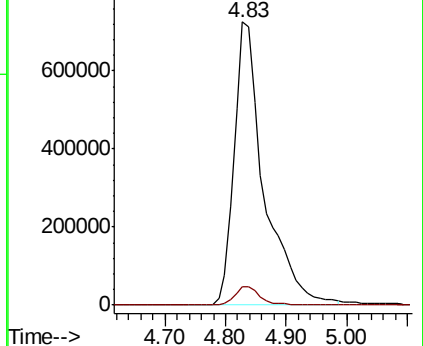
43 100

86 6.5 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060469.D (-315) (-)

Ion 86.00 (85.70 to 86.70): VD060469.D (-315) (-)



#24

1,1-Dichloroethane

Concen: 22.203 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

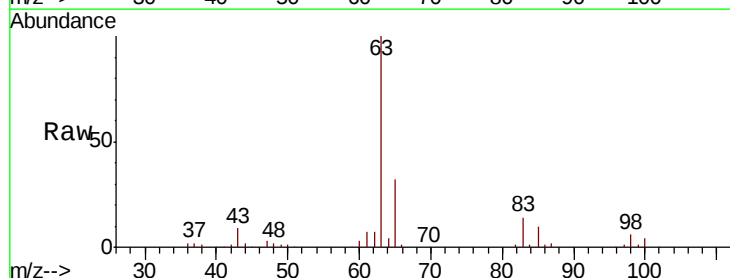
Tgt Ion: 63 Resp: 529292

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

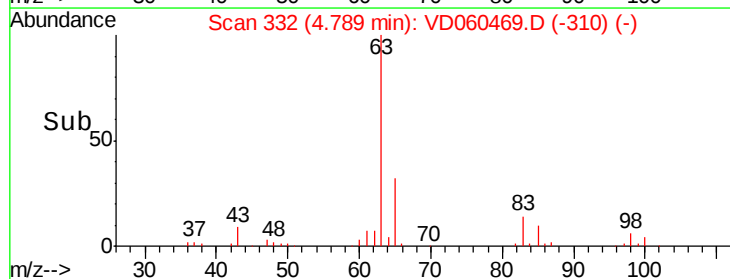
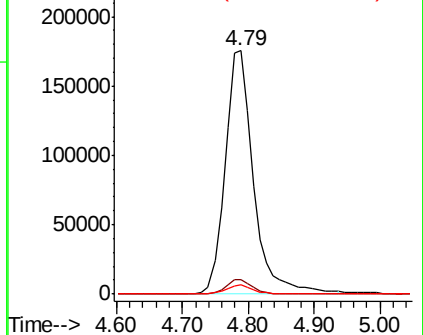
100 4.1 1.8 5.5

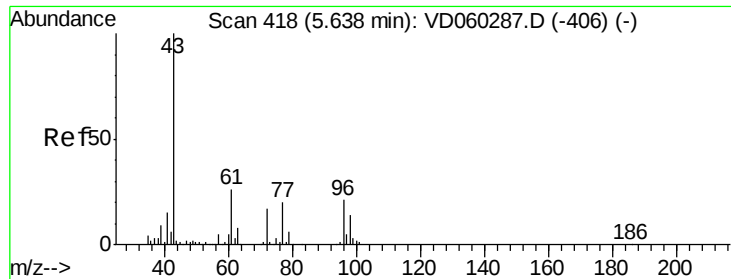


Abundance Ion 62.95 (62.65 to 63.65): VD060469.D (-310) (-)

Ion 97.95 (97.65 to 98.65): VD060469.D (-310) (-)

Ion 99.95 (99.65 to 100.65): VD060469.D (-310) (-)





#25

2-Butanone

Concen: 105.863 ug/l

RT: 5.64 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

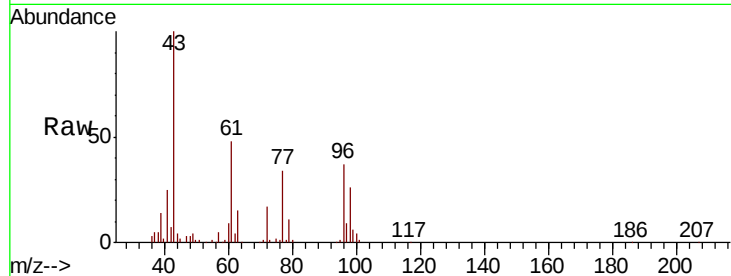
VD1203SBS01

Tot Ion: 43 Resp: 364246

Ion Ratio Lower Upper

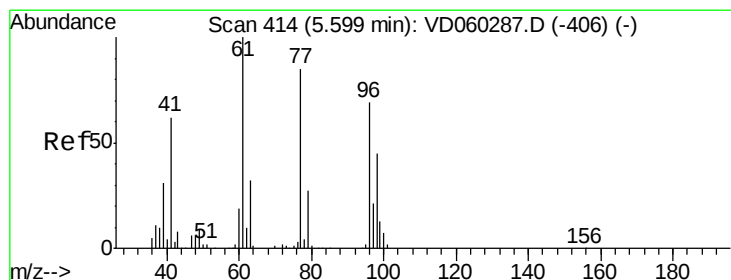
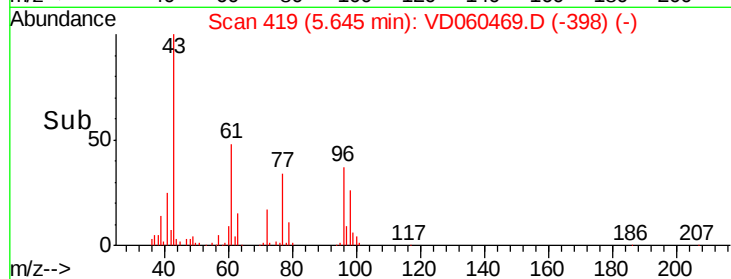
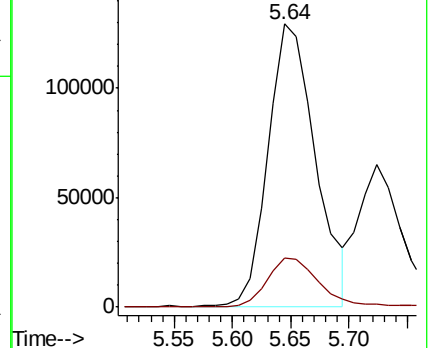
43 100

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: 22.517 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060469.D

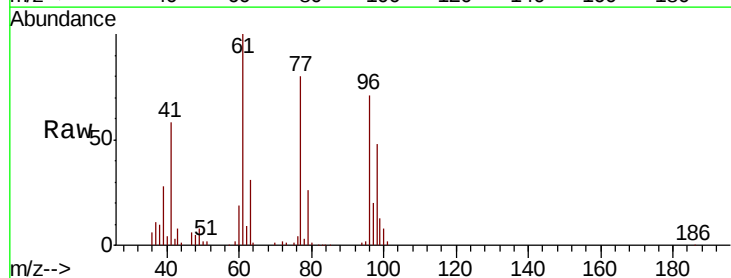
Acq: 3 Dec 2018 12:13

Tgt Ion: 77 Resp: 417333

Ion Ratio Lower Upper

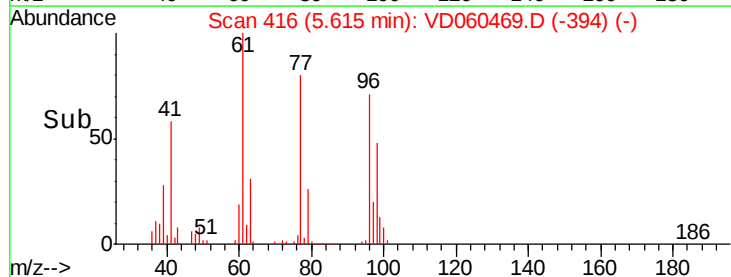
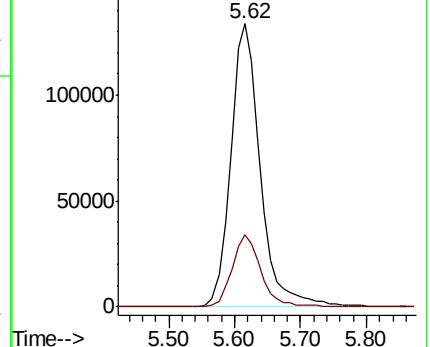
77 100

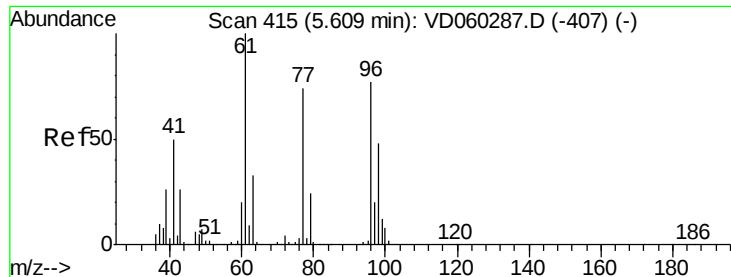
97 25.3 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



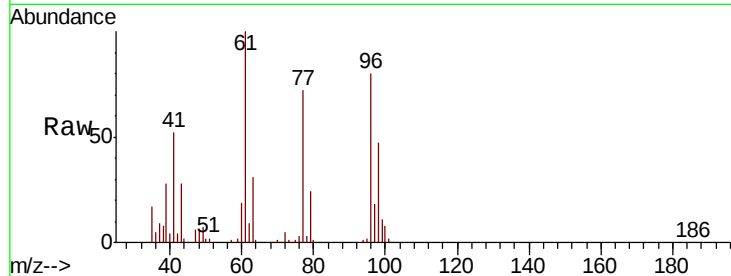


#27

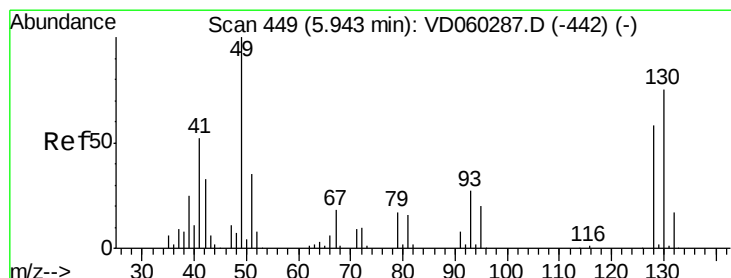
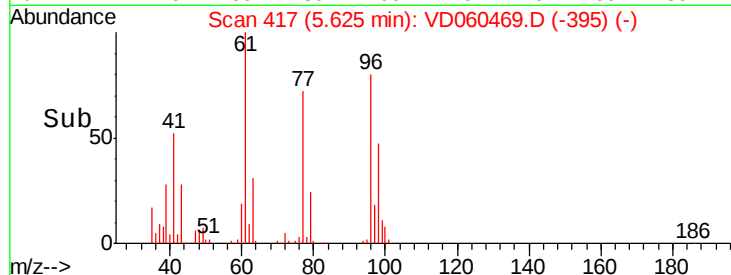
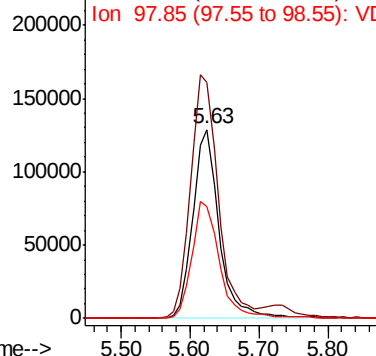
cis-1,2-Dichloroethene
Concen: 22.607 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion: 96 Resp: 340072
Ion Ratio Lower Upper
96 100
61 125.3 0.0 259.0
98 59.4 0.0 128.8



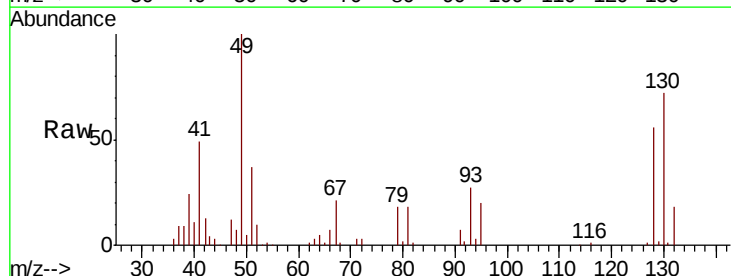
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



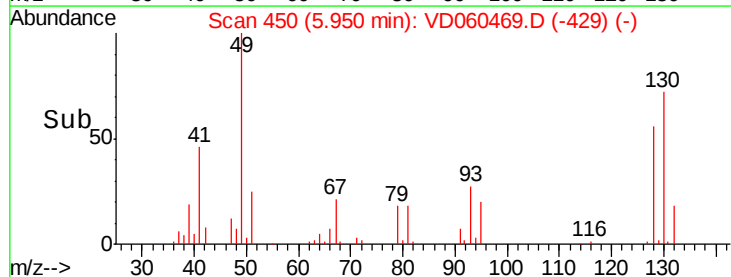
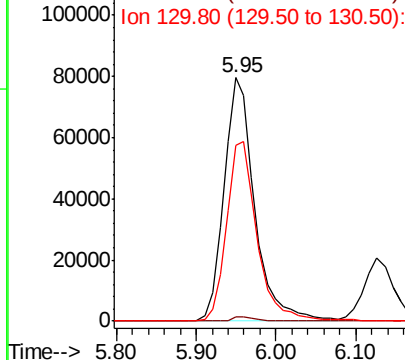
#28

Bromochloromethane
Concen: 20.342 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 49 Resp: 213968
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.8
130 72.1 53.6 80.4



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

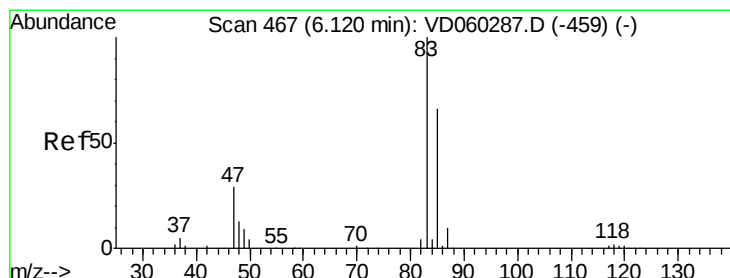
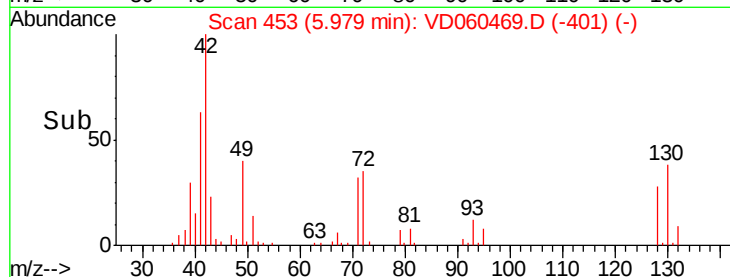
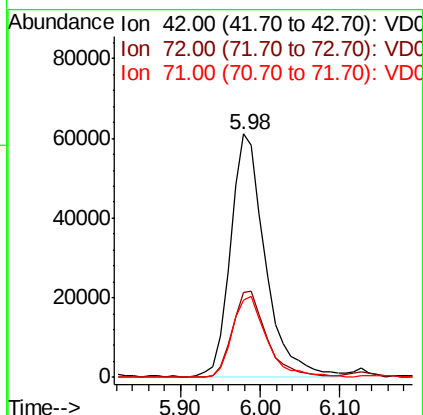
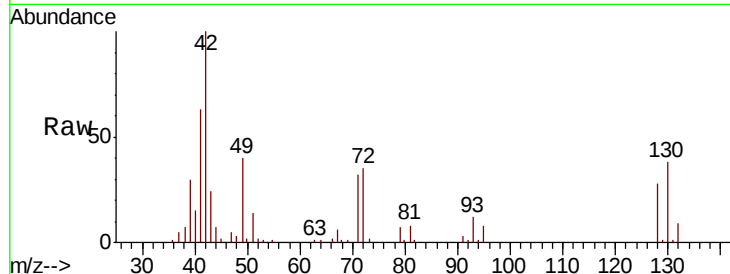




#29
Tetrahydrofuran
Concen: 102.767 ug/l
RT: 5.98 min Scan# 453
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

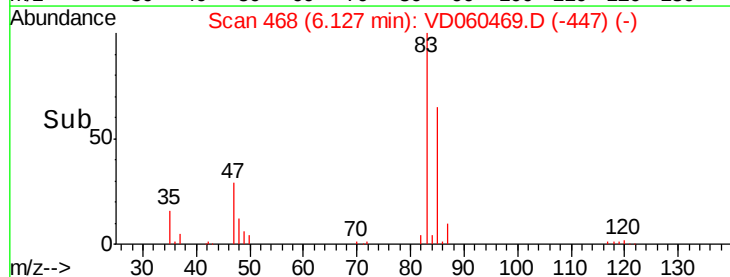
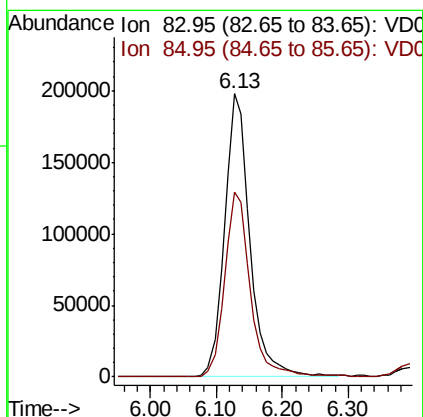
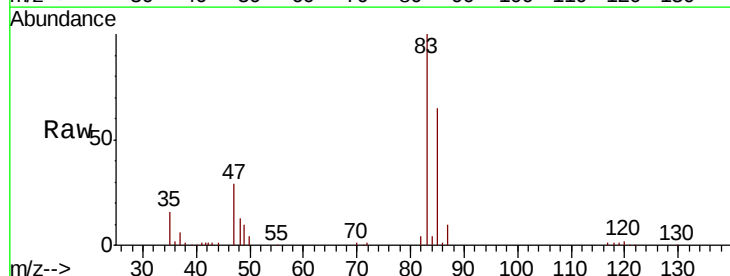
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

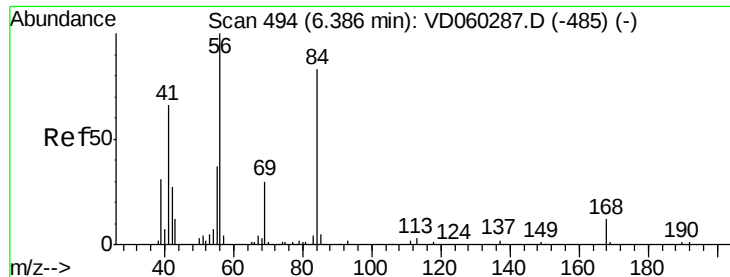
Tot Ion: 42 Resp: 186425
Ion Ratio Lower Upper
42 100
72 34.8 27.6 41.4
71 33.0 26.5 39.7



#30
Chloroform
Concen: 22.275 ug/l
RT: 6.13 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 83 Resp: 530848
Ion Ratio Lower Upper
83 100
85 65.2 52.5 78.7

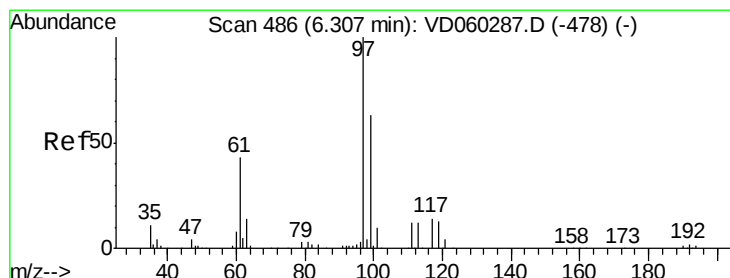
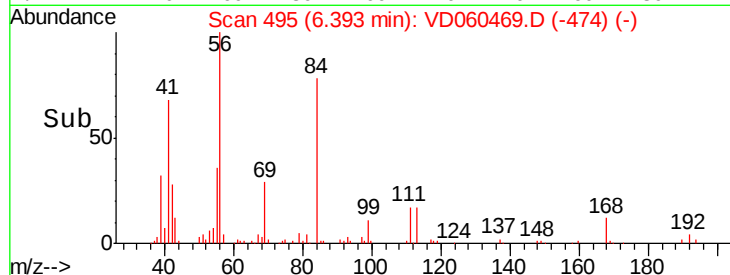
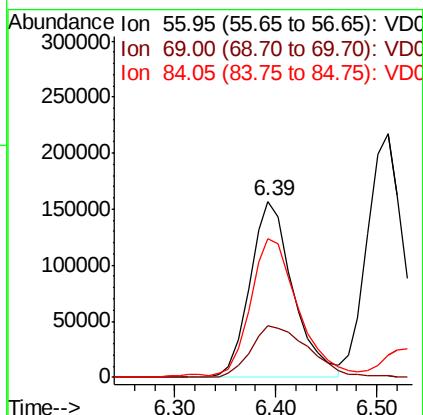
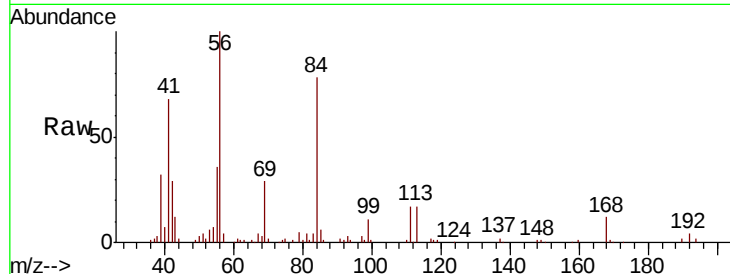




#31
Cvclohexane
Concen: 20.435 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

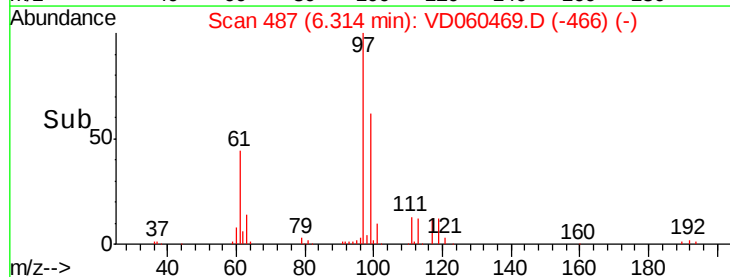
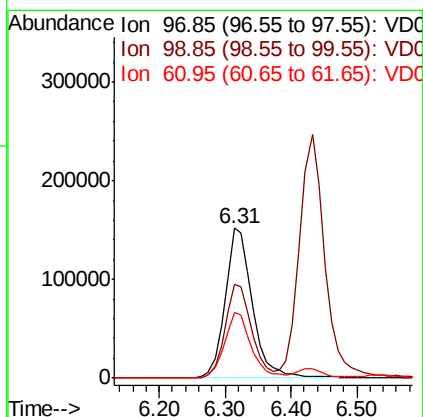
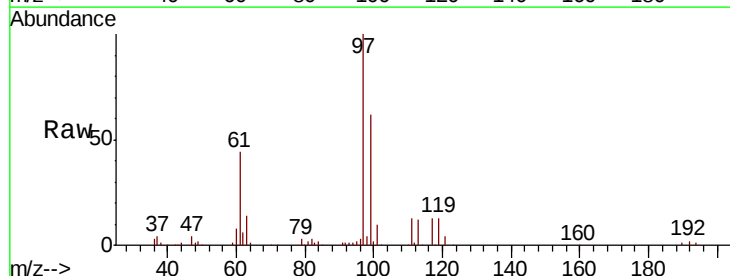
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

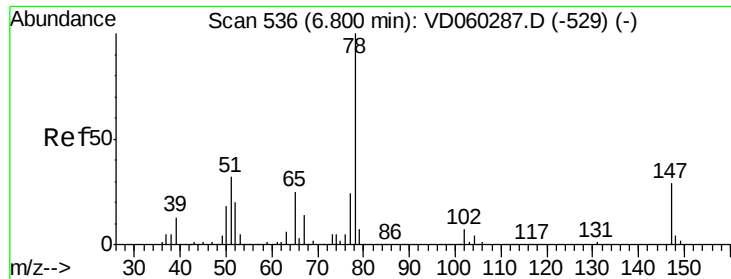
Tot Ion	56	Resp	465605
Ion Ratio	100	Lower	Upper
69	29.1	22.2	33.2
84	78.4	63.0	94.4



#32
1,1,1-Trichloroethane
Concen: 21.870 ug/l
RT: 6.31 min Scan# 487
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion	97	Resp	439029
Ion Ratio	100	Lower	Upper
99	62.2	51.5	77.3
61	44.0	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 21.870 ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

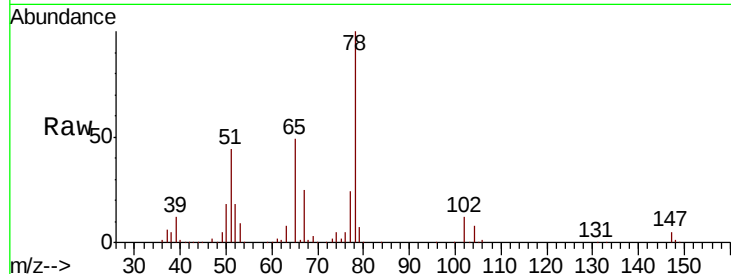
VD1203SBSD01

Tot Ion: 65 Resp: 474344

Ion Ratio Lower Upper

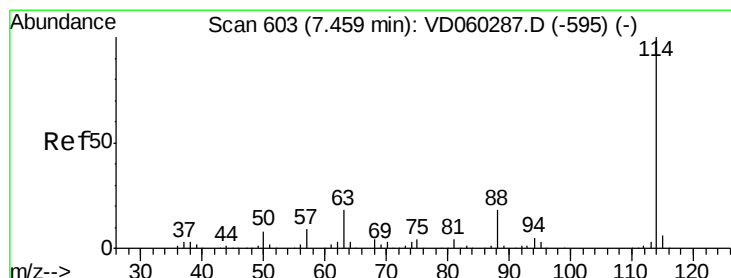
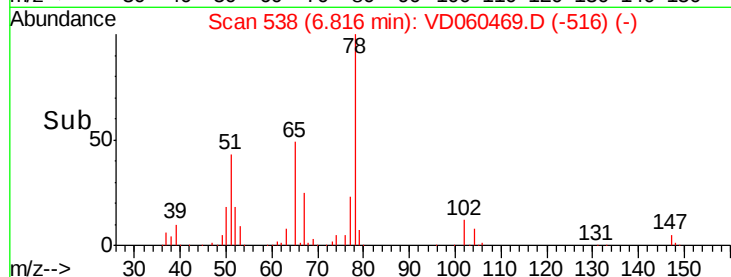
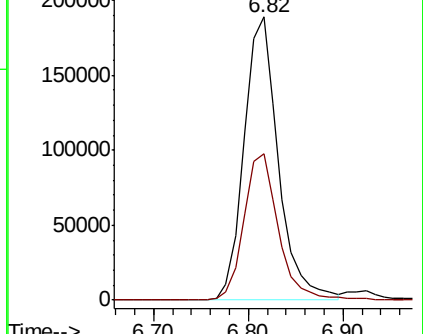
65 100

67 51.7 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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

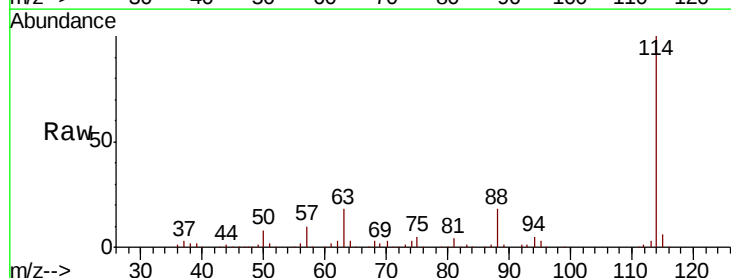
Tgt Ion: 114 Resp: 1821103

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

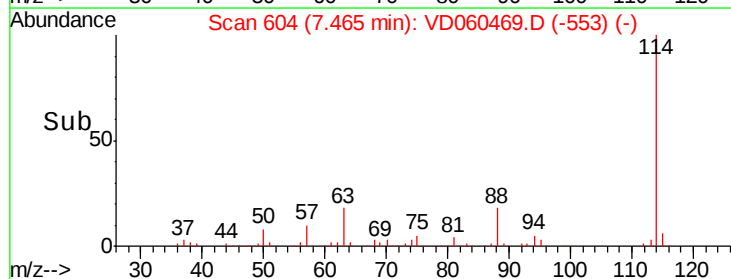
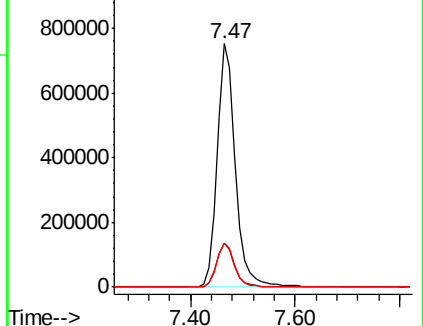
88 18.2 0.0 35.4

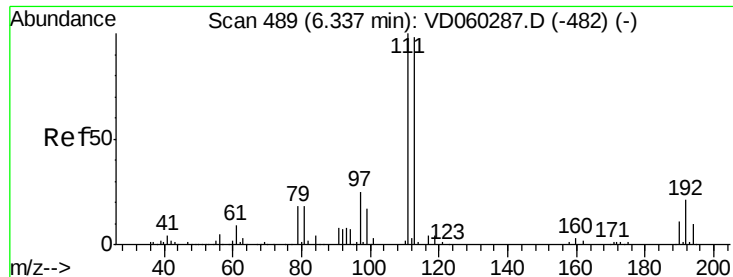


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

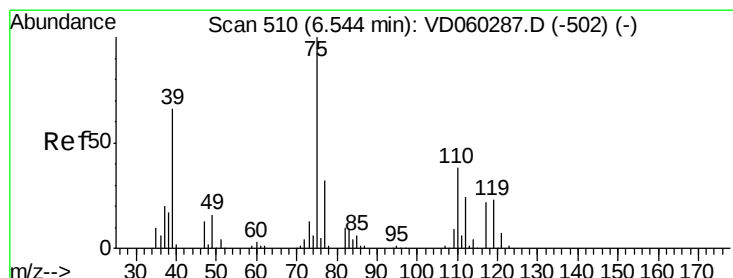
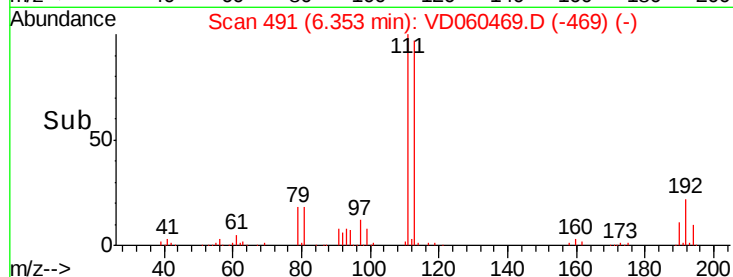
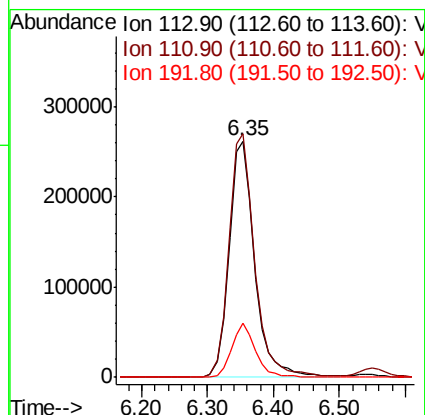
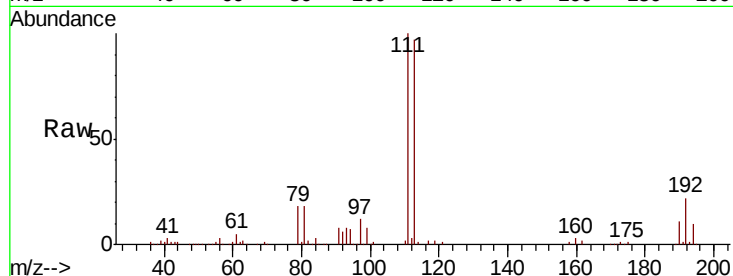




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.35 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

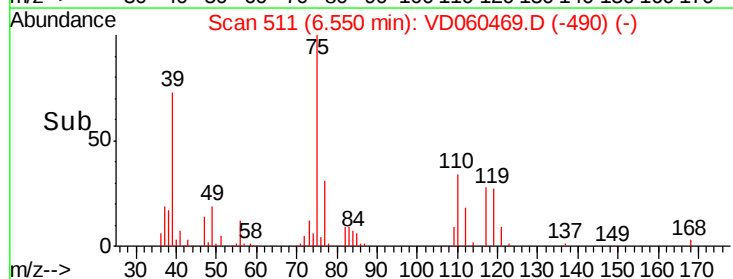
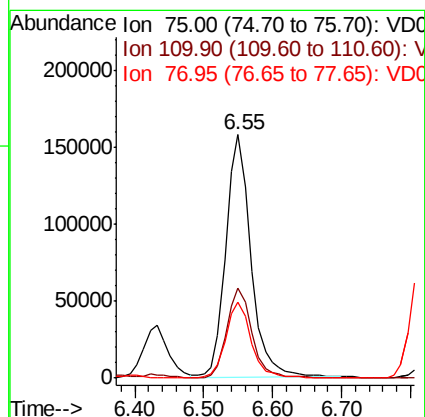
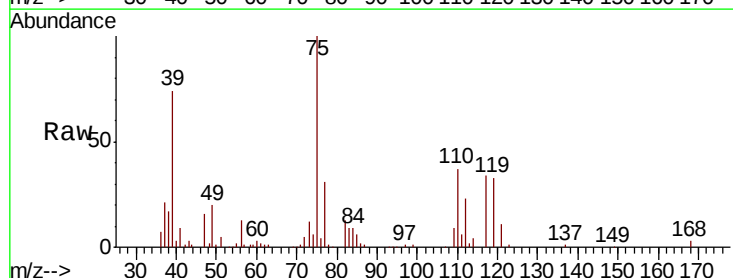
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

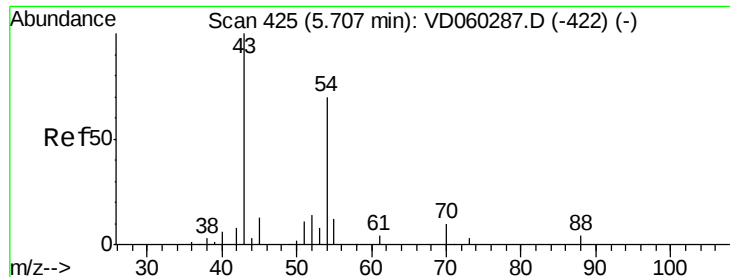
Tot Ion:113 Resp: 710534
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 22.7 16.5 24.7



#36
1,1-Dichloropropene
Concen: 22.103 ug/l
RT: 6.55 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 75 Resp: 397675
Ion Ratio Lower Upper
75 100
110 37.1 18.0 54.0
77 31.0 25.6 38.4

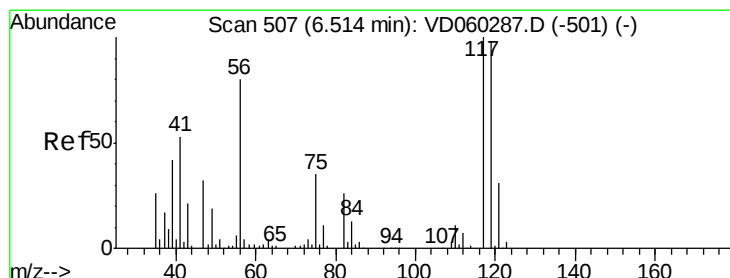
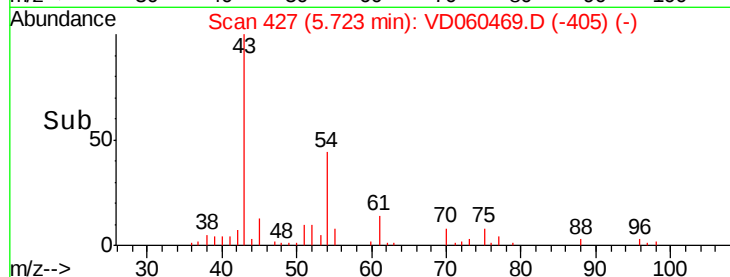
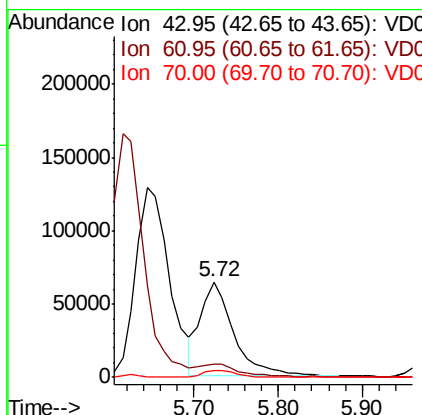
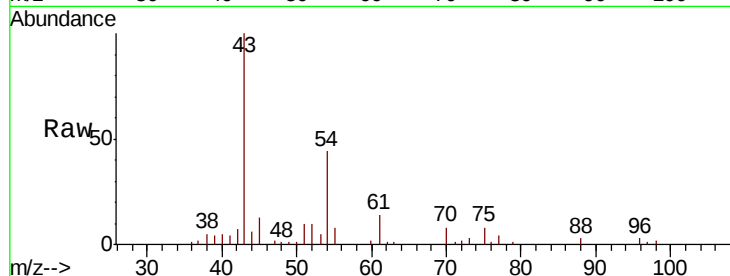




#37
Ethyl Acetate
Concen: 21.104 ug/l
RT: 5.72 min Scan# 427
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

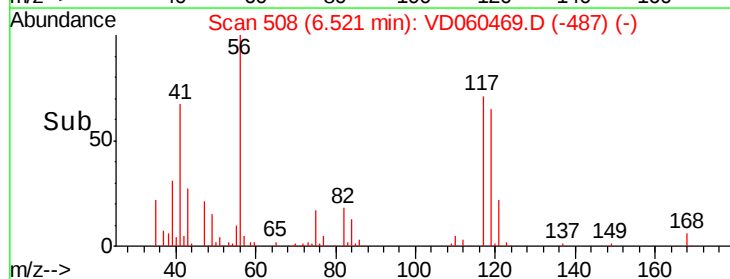
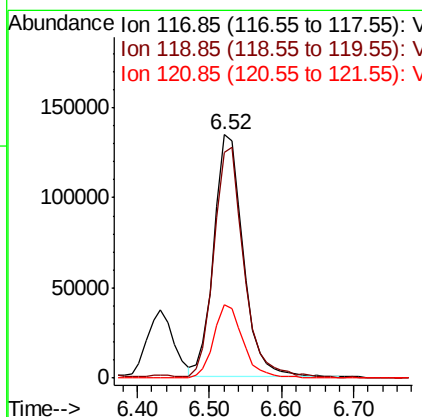
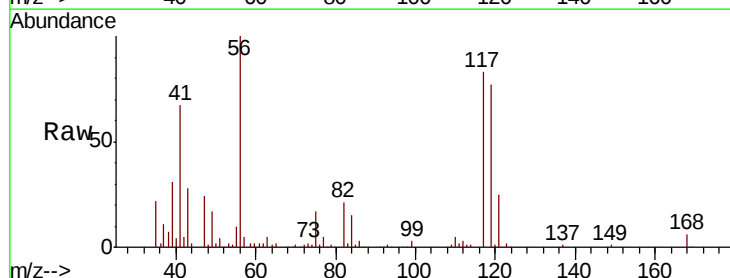
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

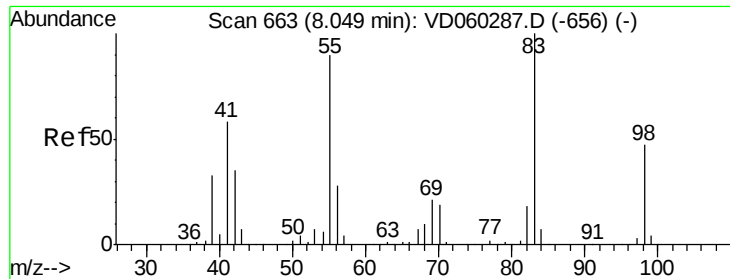
Tot Ion: 43 Resp: 174717
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 7.6 6.2 9.4



#38
Carbon Tetrachloride
Concen: 22.686 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 117 Resp: 378616
Ion Ratio Lower Upper
117 100
119 92.7 76.6 115.0
121 30.0 24.3 36.5

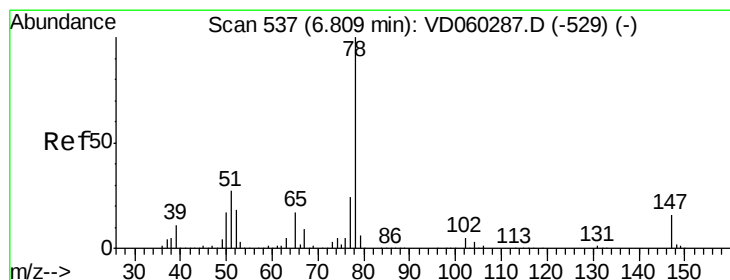
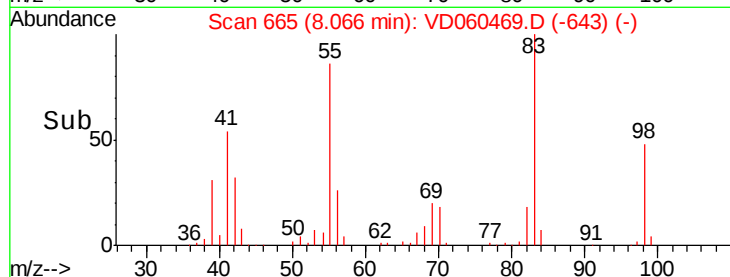
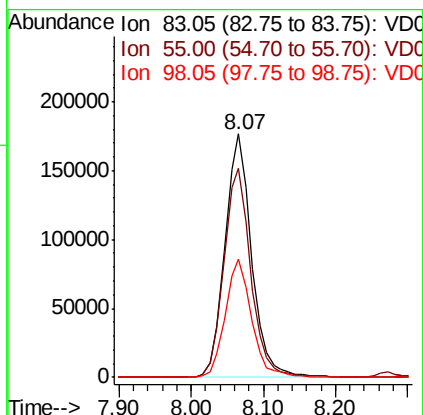
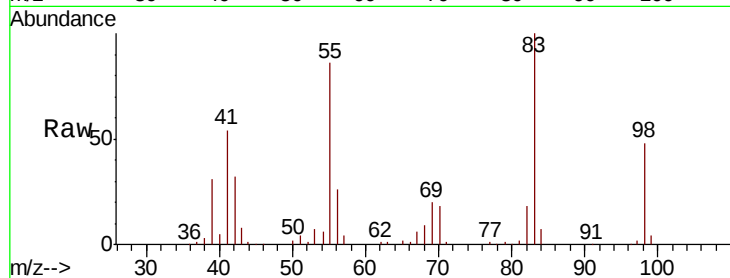




#39
Methvlcvclohexane
Concen: 21.898 ug/l
RT: 8.07 min Scan# 665
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

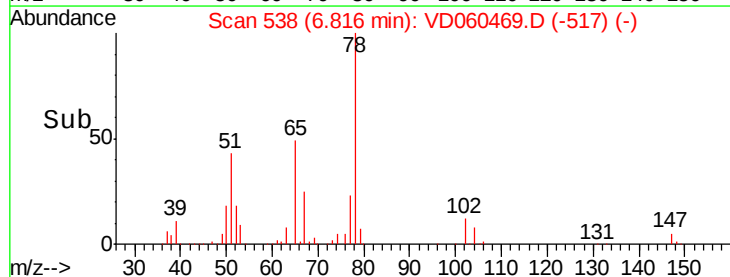
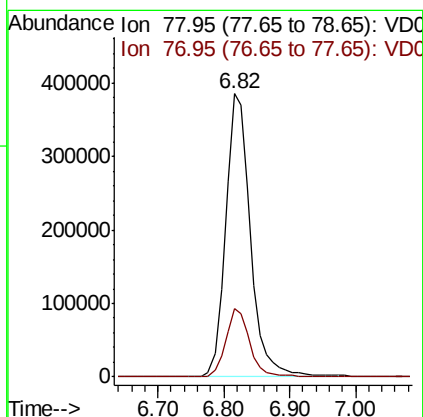
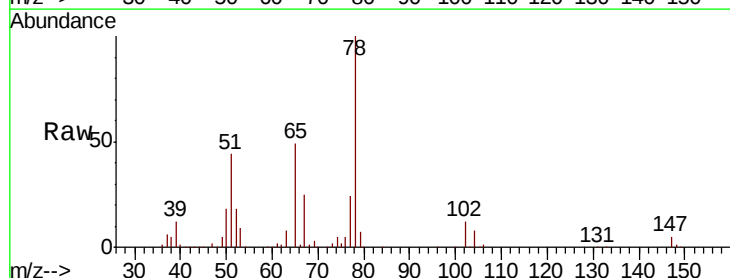
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion: 83 Resp: 453133
Ion Ratio Lower Upper
83 100
55 86.1 71.2 106.8
98 48.3 38.4 57.6



#40
Benzene
Concen: 22.135 ug/l
RT: 6.82 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 78 Resp: 1016568
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2





#41

Methacrylonitrile

Concen: 20.578 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

Tot Ion: 41 Resp: 194992

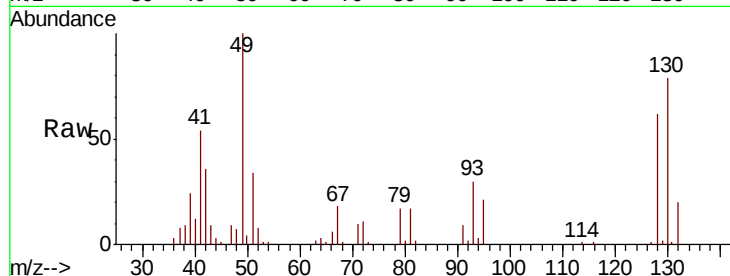
Ion Ratio Lower Upper

41 100

39 44.2 36.2 54.2

67 32.9 11.9 17.9#

52 13.8 5.2 7.8#



Abundance

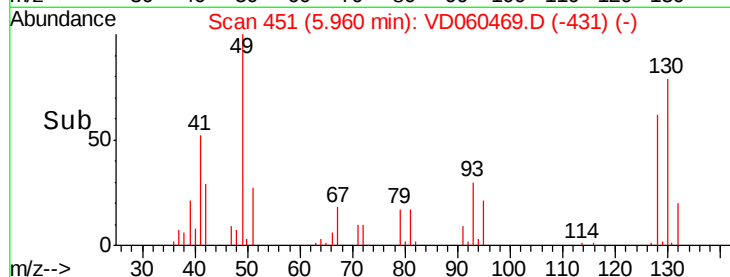
Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

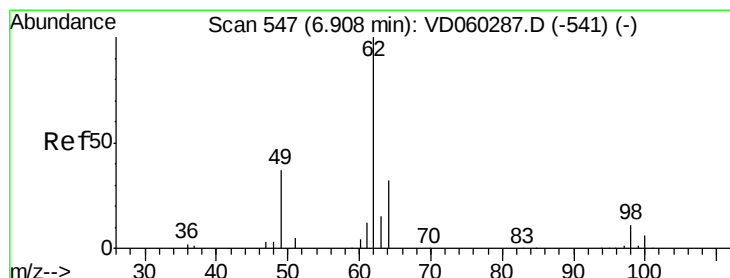
Ion 52.00 (51.70 to 52.70): VDC

Time-->



Abundance

Time-->



#42

1,2-Dichloroethane

Concen: 21.448 ug/l

RT: 6.92 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD060469.D

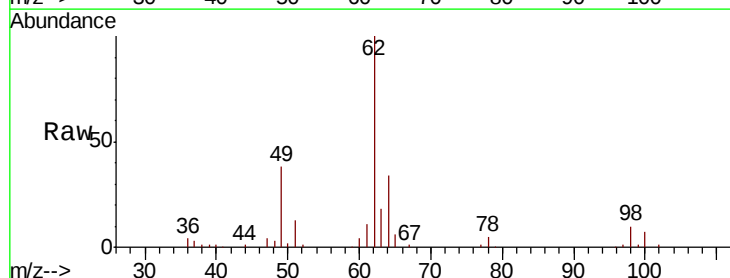
Acq: 3 Dec 2018 12:13

Tgt Ion: 62 Resp: 257819

Ion Ratio Lower Upper

62 100

98 10.2 0.0 22.0

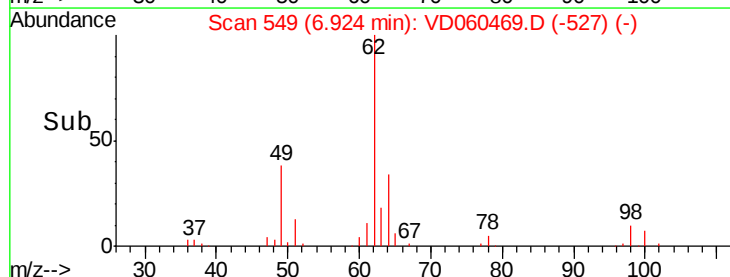


Abundance

Ion 61.95 (61.65 to 62.65): VDC

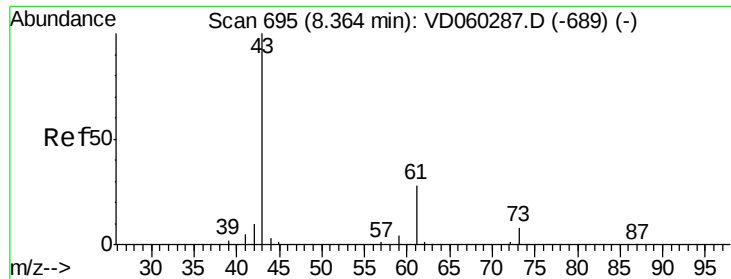
Ion 97.85 (97.55 to 98.55): VDC

Time-->



Abundance

Time-->



#43

Isopropyl Acetate

Concen: 21.320 ug/l

RT: 8.37 min Scan# 696

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

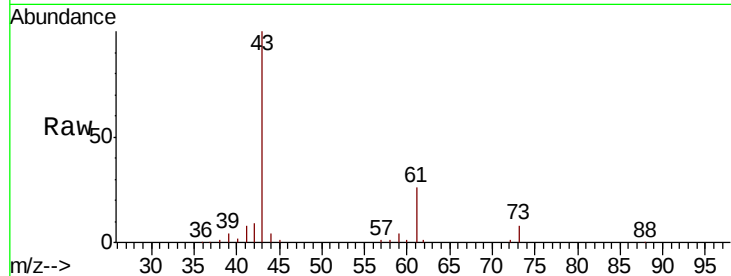
Tot Ion: 43 Resp: 221718

Ion Ratio Lower Upper

43 100

61 26.2 22.3 33.5

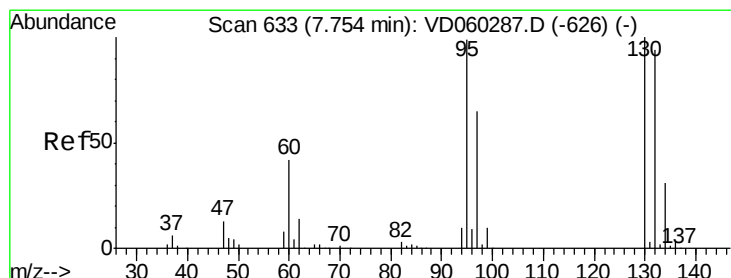
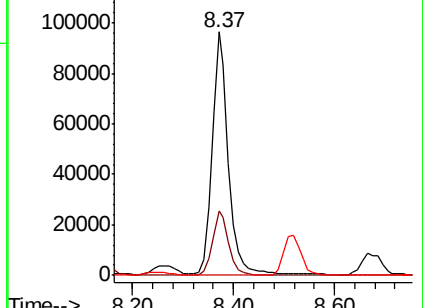
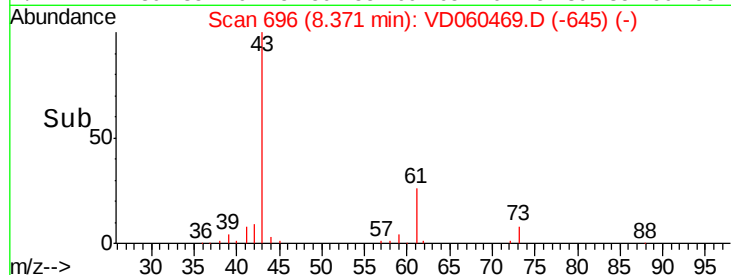
87 0.0 0.2 0.2#



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: 22.839 ug/l

RT: 7.77 min Scan# 635

Delta R.T. 0.02 min

Lab File: VD060469.D

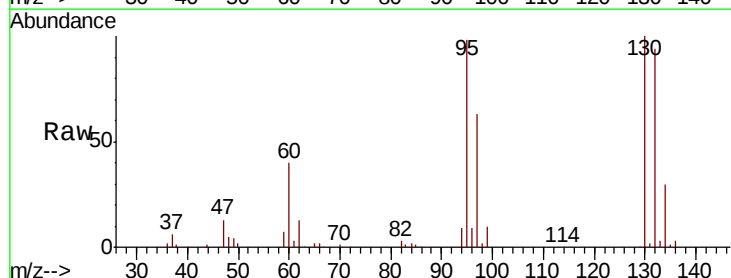
Acq: 3 Dec 2018 12:13

Tgt Ion:130 Resp: 317958

Ion Ratio Lower Upper

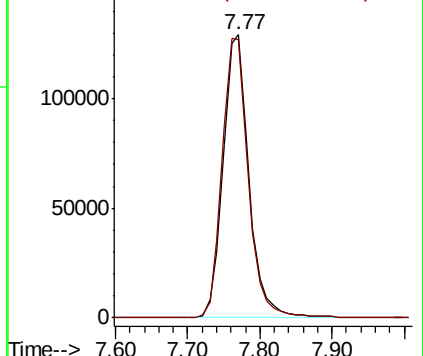
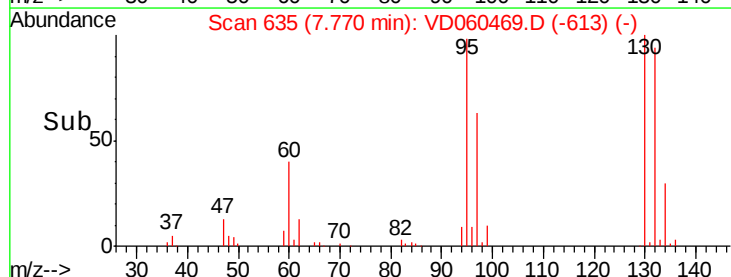
130 100

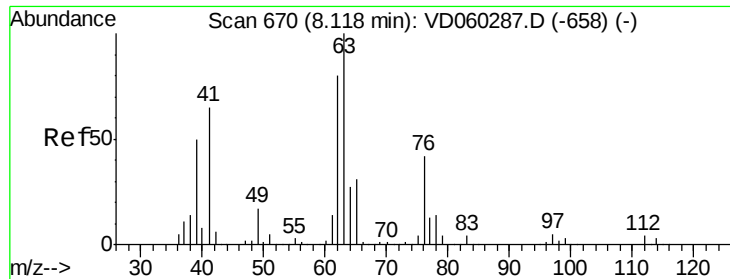
95 98.3 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

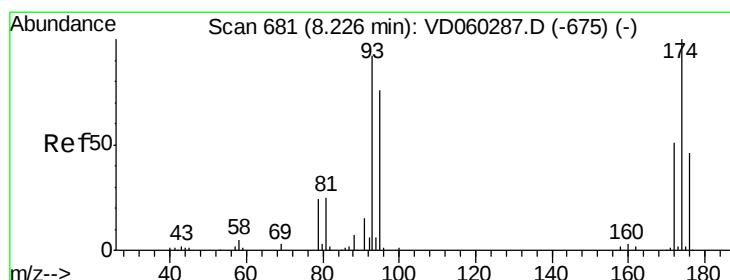
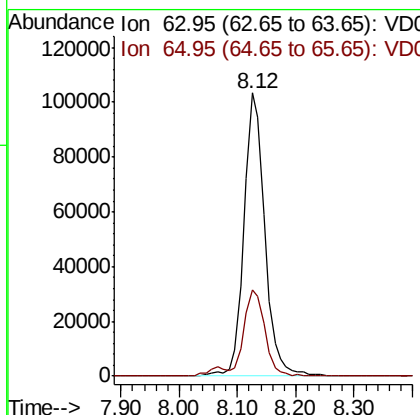
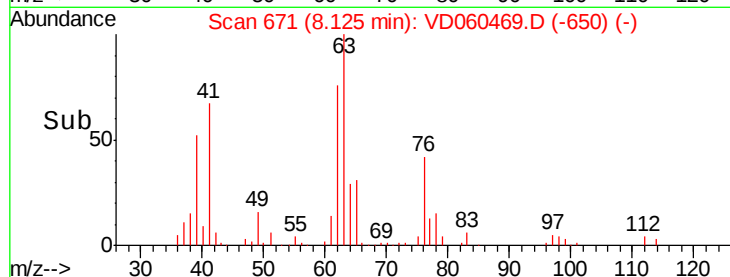
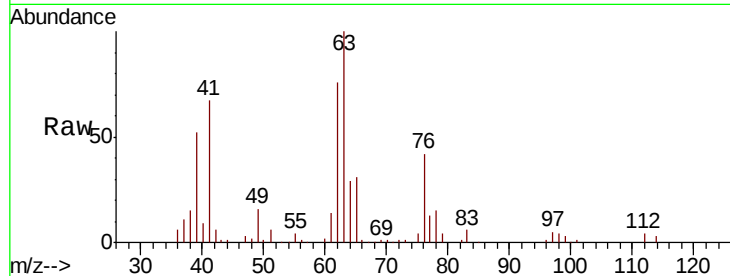




#45
 1,2-Dichloropropane
 Concen: 22.205 ug/l
 RT: 8.12 min Scan# 671
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

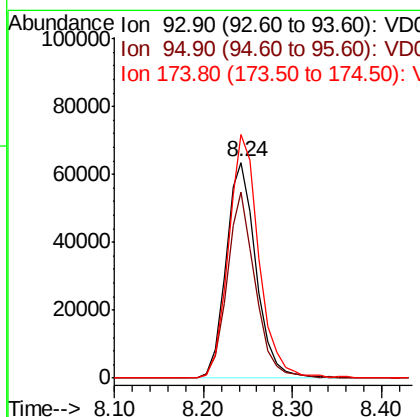
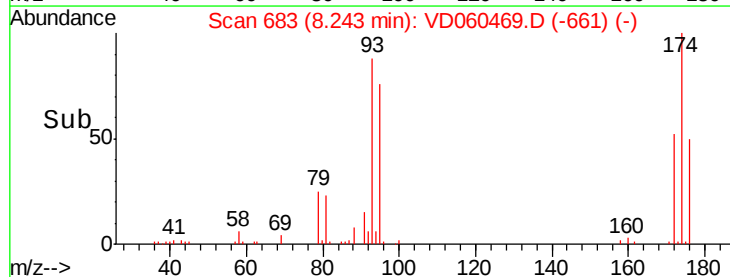
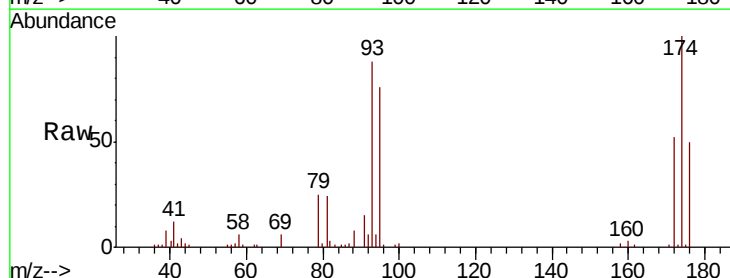
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 63 Resp: 257192
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.4 35.2



#46
 Dibromomethane
 Concen: 22.090 ug/l
 RT: 8.24 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion: 93 Resp: 149850
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.4 99.6
 174 113.0 87.8 131.8





#47

Bromodichloromethane

Concen: 22.229 ug/l

RT: 8.52 min Scan# 711

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

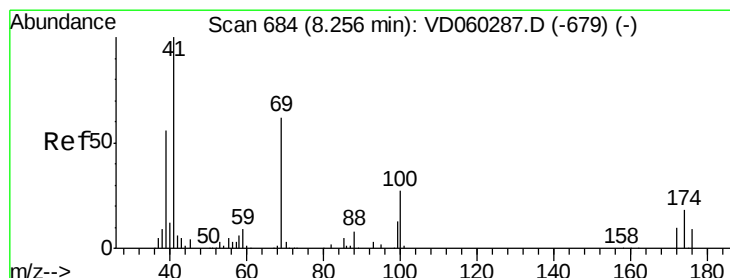
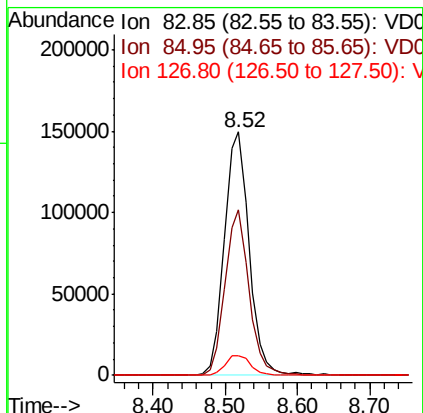
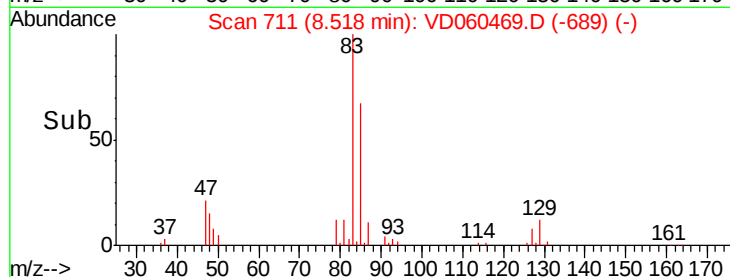
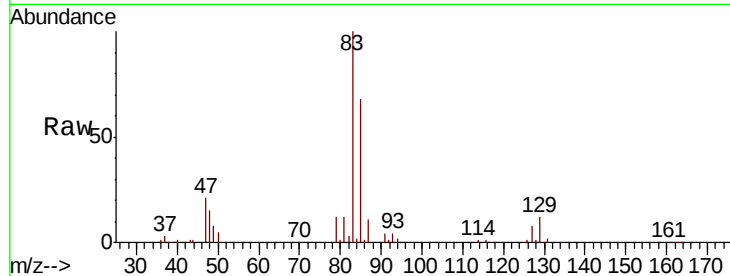
Tot Ion: 83 Resp: 355341

Ion Ratio Lower Upper

83 100

85 67.8 51.0 76.6

127 8.2 6.2 9.4



#48

Methyl methacrylate

Concen: 20.875 ug/l

RT: 8.27 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

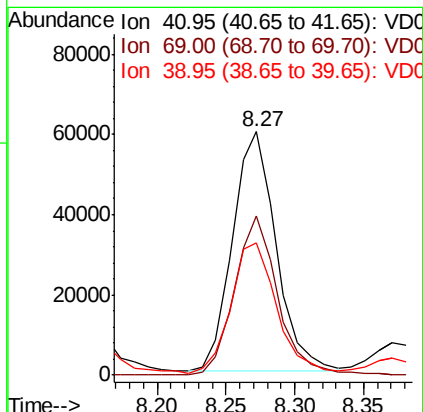
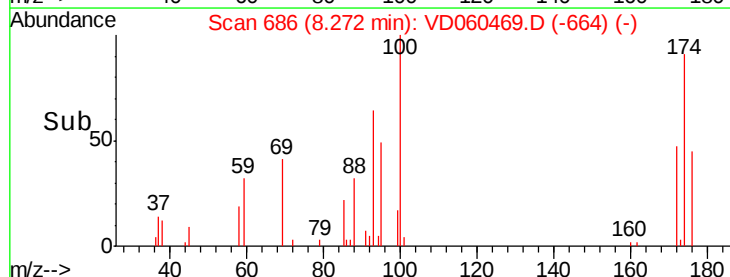
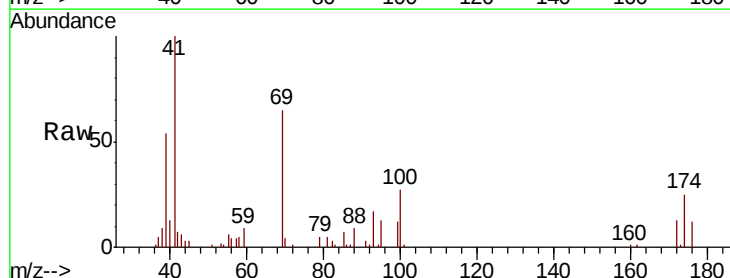
Tgt Ion: 41 Resp: 131866

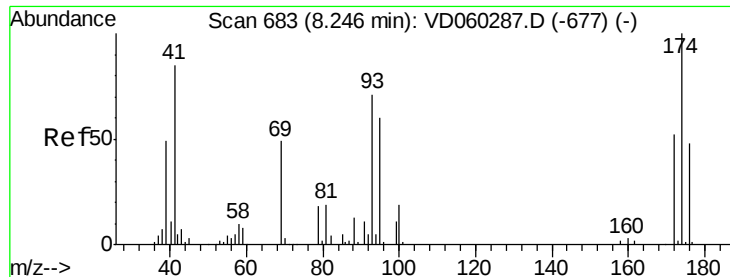
Ion Ratio Lower Upper

41 100

69 65.3 47.0 70.4

39 54.3 46.2 69.4





#49

1,4-Dioxane

Concen: 451.517 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

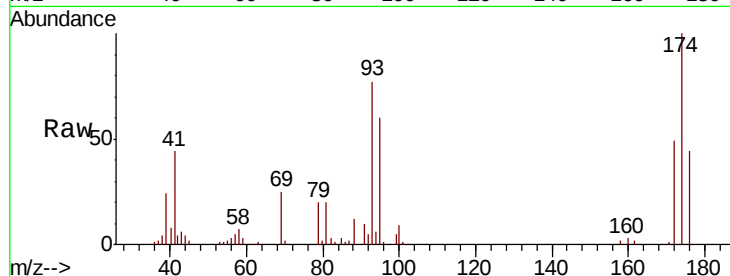
Tot Ion: 88 Resp: 24678

Ion Ratio Lower Upper

88 100

43 50.4 39.7 59.5

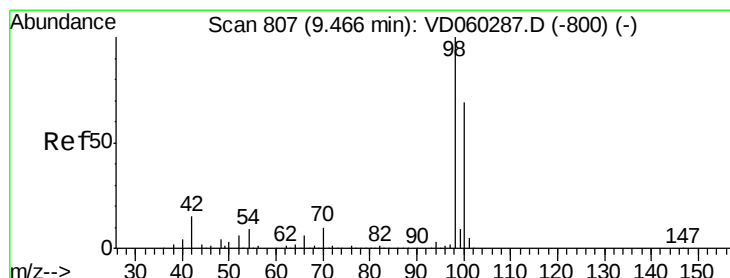
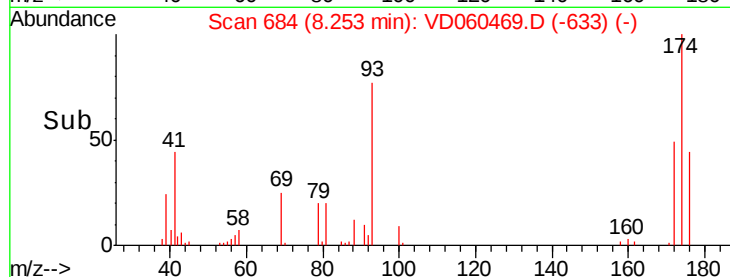
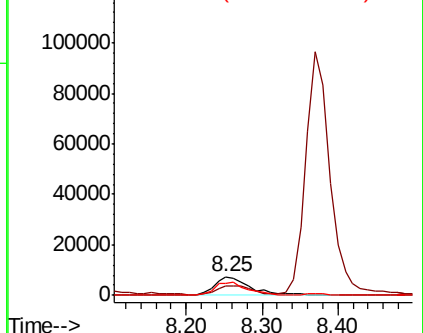
58 61.6 60.2 90.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 451.517 ug/l

RT: 9.48 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060469.D

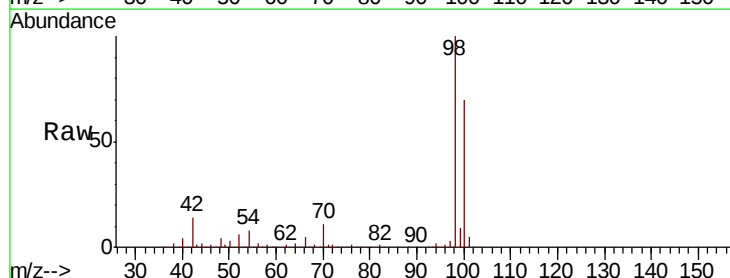
Acq: 3 Dec 2018 12:13

Tgt Ion: 98 Resp: 2037840

Ion Ratio Lower Upper

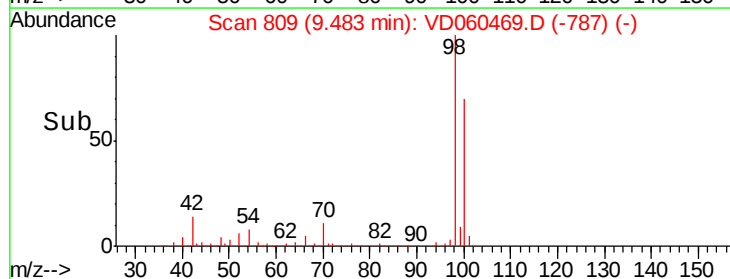
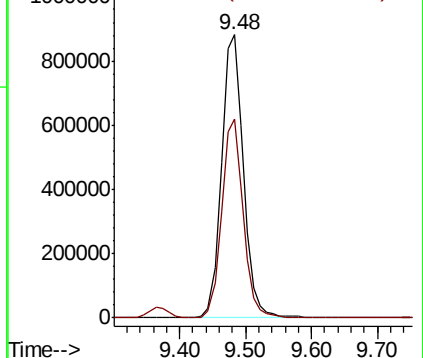
98 100

100 70.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 106.875 ug/l

RT: 9.36 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

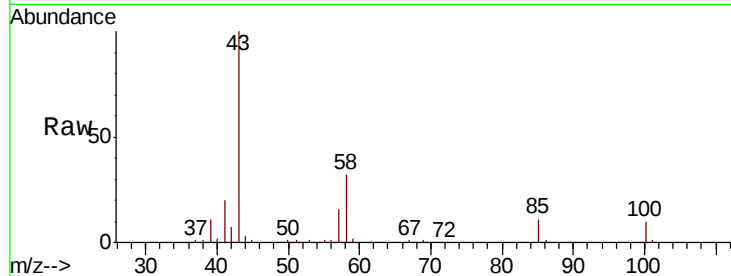
VD1203SBS01

Tot Ion: 43 Resp: 723400

Ion Ratio Lower Upper

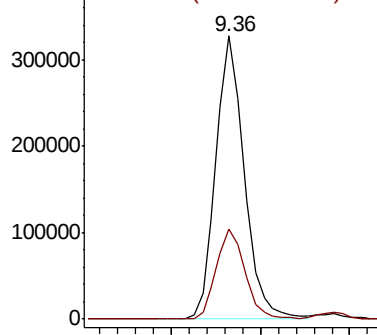
43 100

58 31.7 26.1 39.1

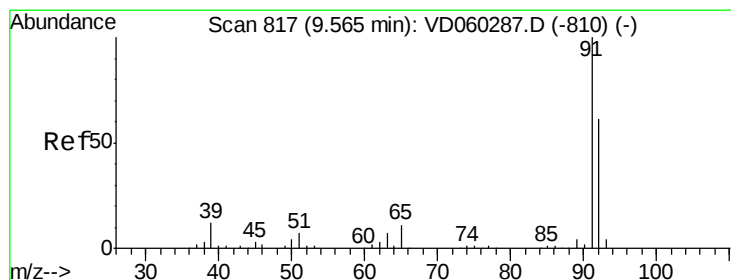
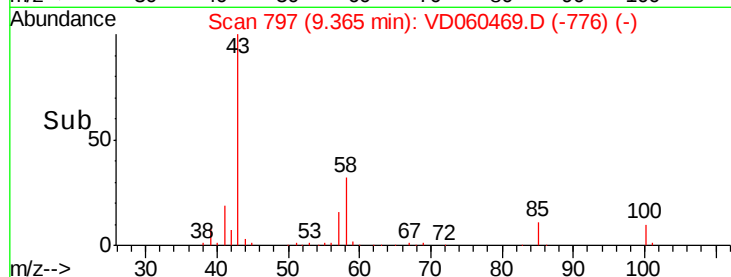


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 22.552 ug/l

RT: 9.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VD060469.D

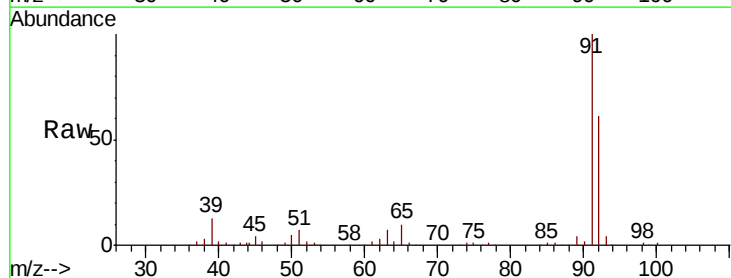
Acq: 3 Dec 2018 12:13

Tgt Ion: 92 Resp: 661599

Ion Ratio Lower Upper

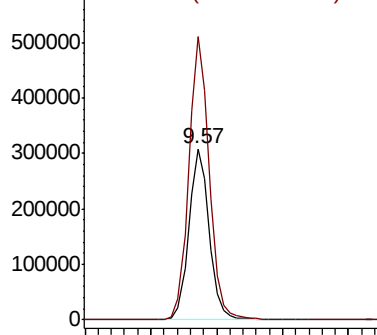
92 100

91 165.2 131.9 197.9

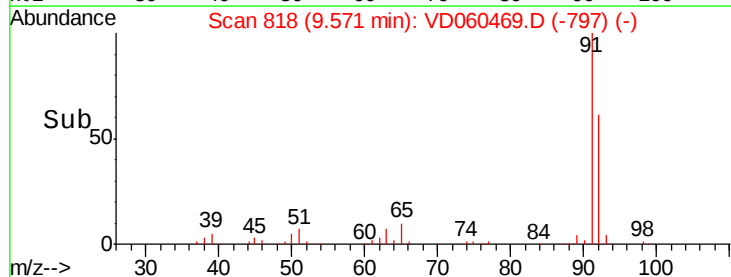


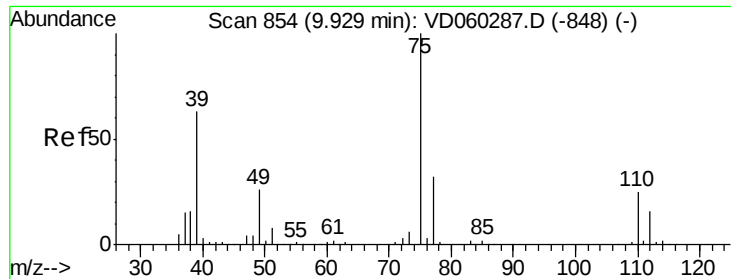
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->

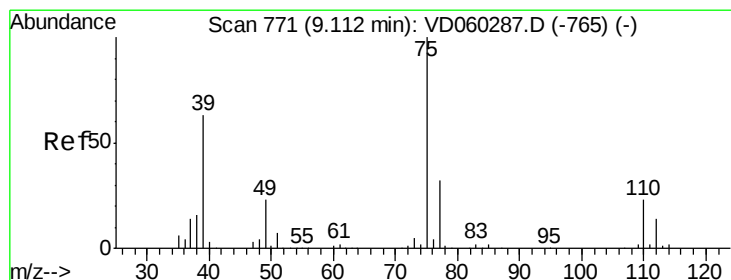
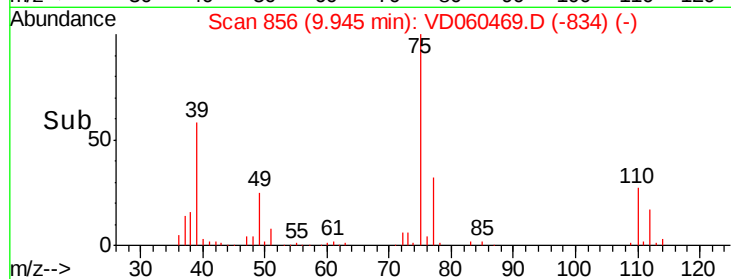
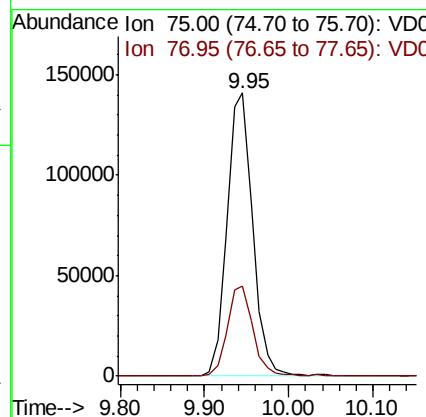
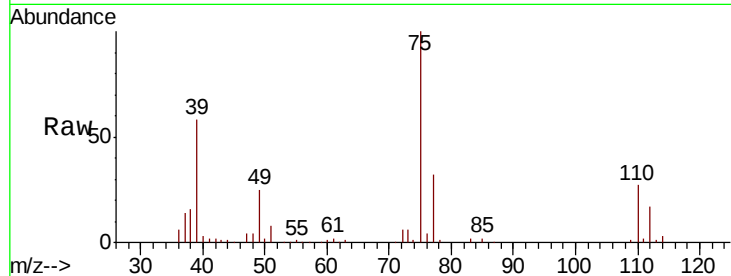




#53
 t-1,3-Dichloropropene
 Concen: 21.892 ug/l
 RT: 9.95 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

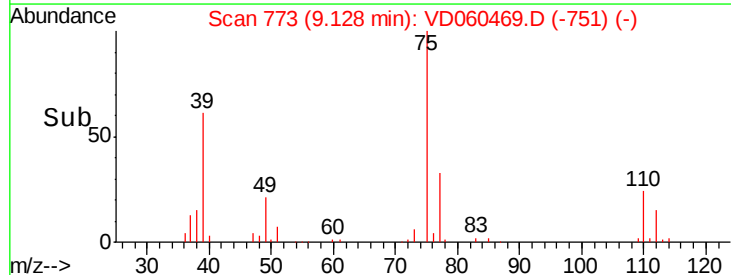
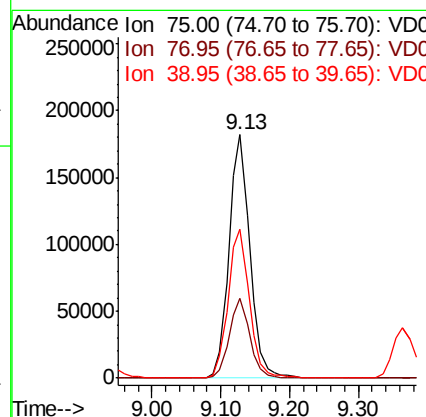
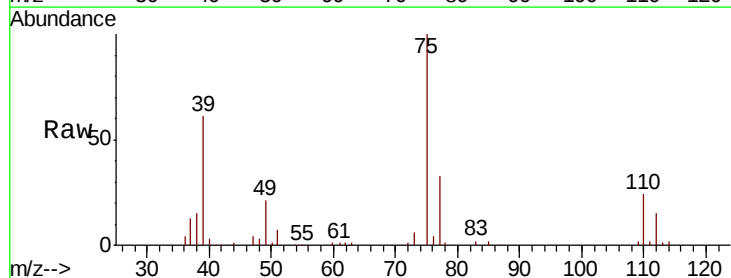
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 75 Resp: 295688
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.039 ug/l
 RT: 9.13 min Scan# 773
 Delta R.T. 0.02 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion: 75 Resp: 381789
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.3 39.5
 39 61.3 50.8 76.2



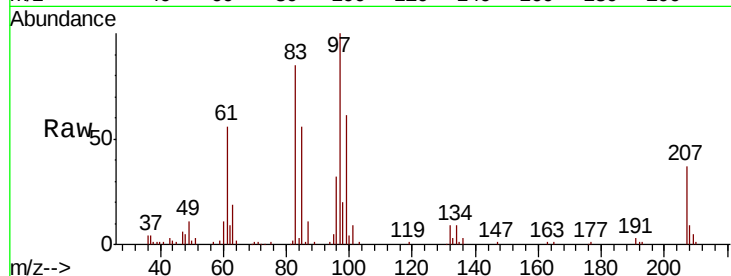


#55
 1,1,2-Trichloroethane
 Concen: 21.642 ug/l
 RT: 10.20 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

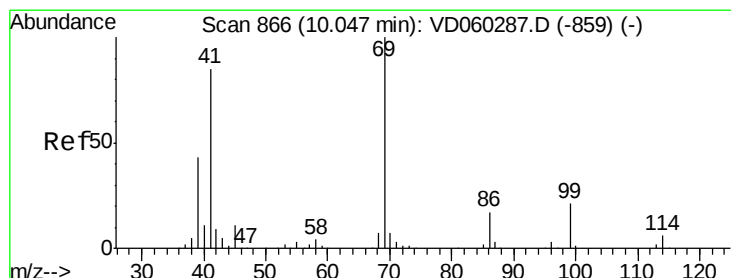
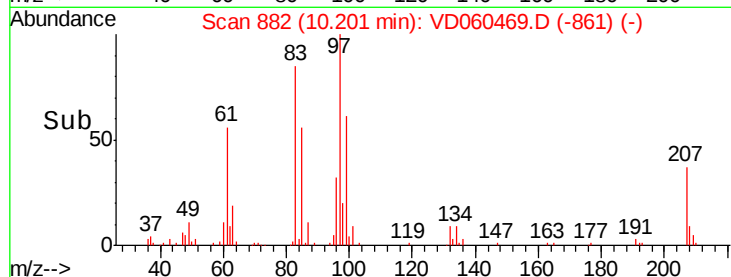
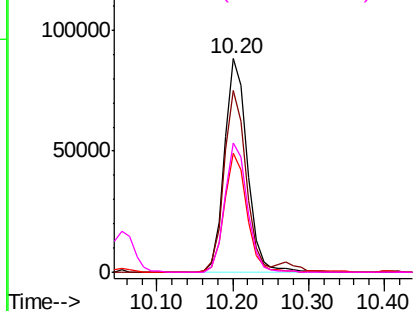
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

Tot Ion: 97 Resp: 184023

Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.4	102.6
85	55.5	46.8	70.2
99	60.8	49.5	74.3



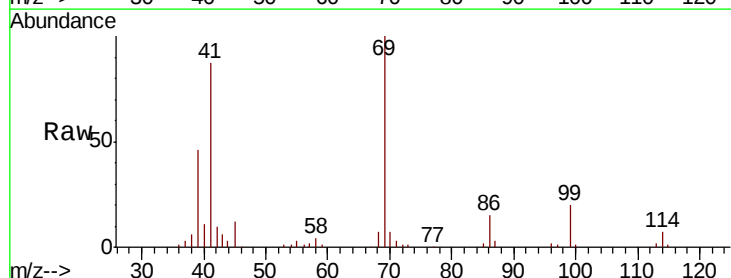
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



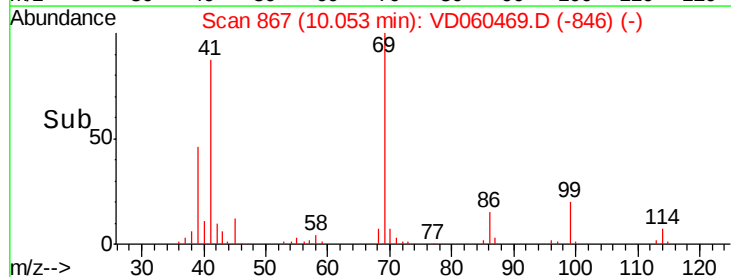
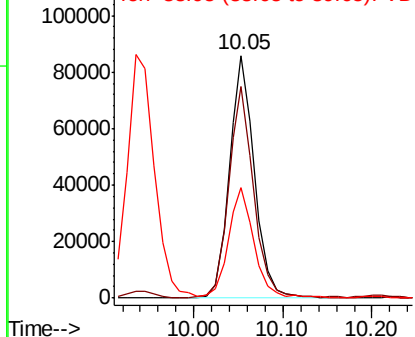
#56
 Ethyl methacrylate
 Concen: 21.410 ug/l
 RT: 10.05 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion: 69 Resp: 167381

Ion	Ratio	Lower	Upper
69	100		
41	87.2	69.0	103.4
39	45.7	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





#57

1,3-Dichloropropane

Concen: 20.927 ug/l

RT: 10.41 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

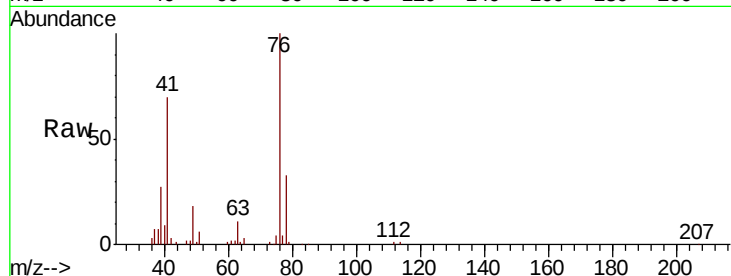
VD1203SBSD01

Tot Ion: 76 Resp: 271139

Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

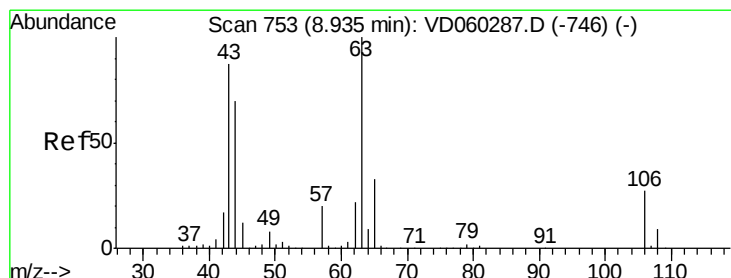
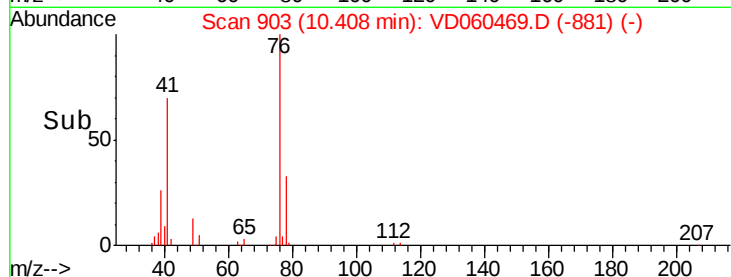
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.371 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060469.D

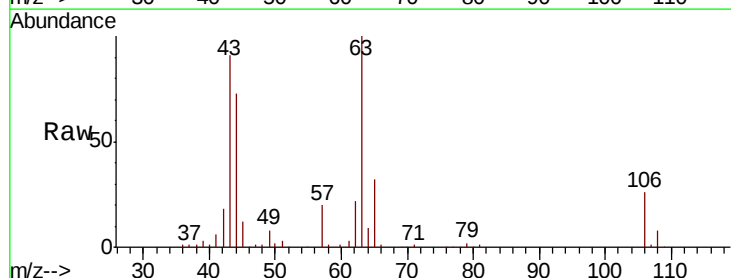
Acq: 3 Dec 2018 12:13

Tgt Ion: 63 Resp: 507556

Ion Ratio Lower Upper

63 100

106 26.0 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.94

250000

200000

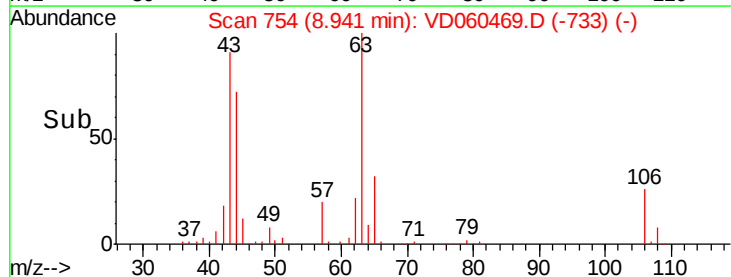
150000

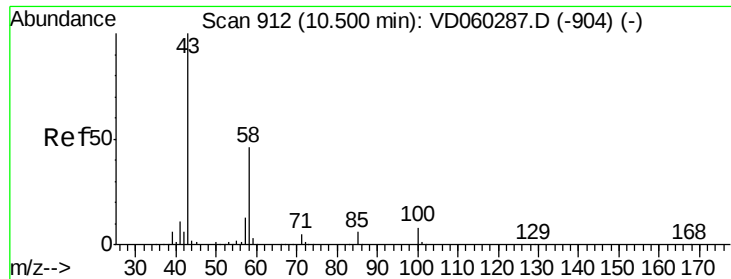
100000

50000

0

Time-->

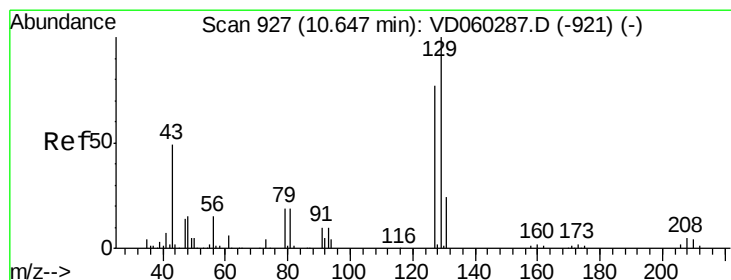
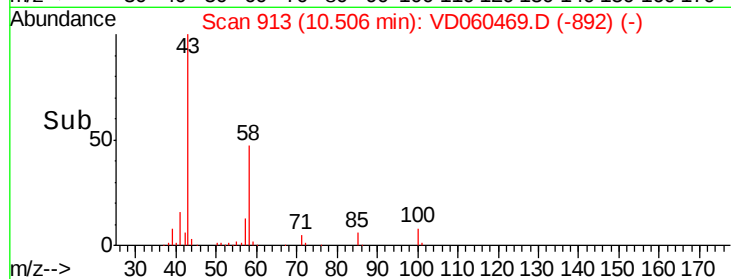
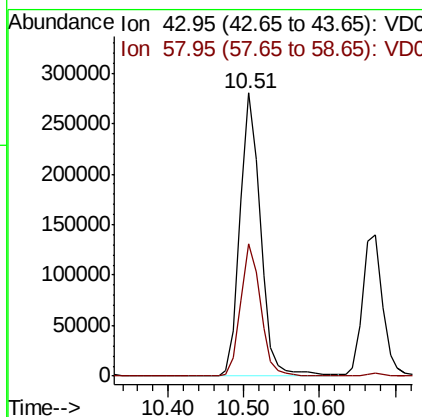
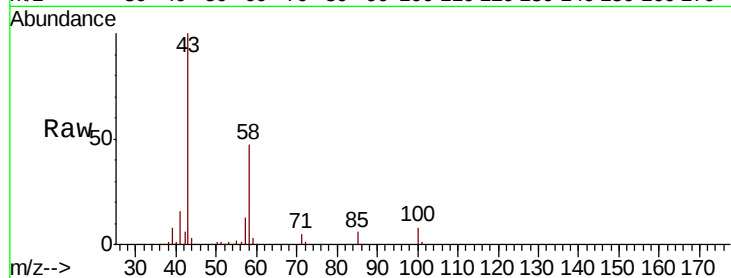




#59
2-Hexanone
Concen: 108.495 ug/l
RT: 10.51 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

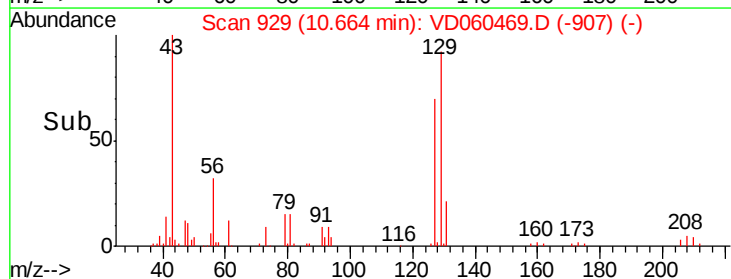
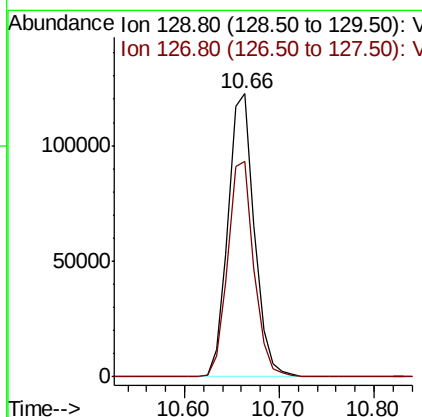
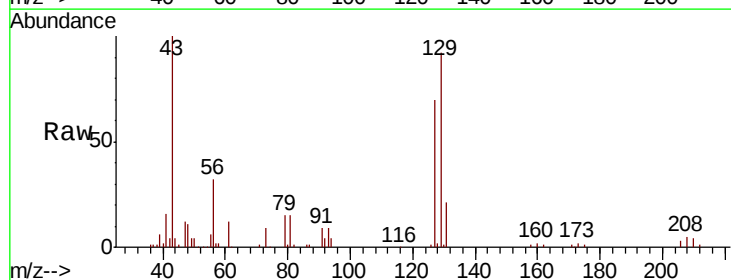
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

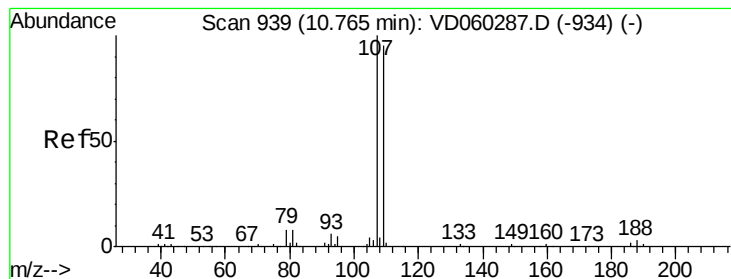
Tot Ion: 43 Resp: 523411
Ion Ratio Lower Upper
43 100
58 46.6 22.9 68.5



#60
Dibromochloromethane
Concen: 22.935 ug/l
RT: 10.66 min Scan# 929
Delta R.T. 0.02 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 129 Resp: 237058
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.715 ug/l

RT: 10.78 min Scan# 941

Delta R.T. 0.02 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

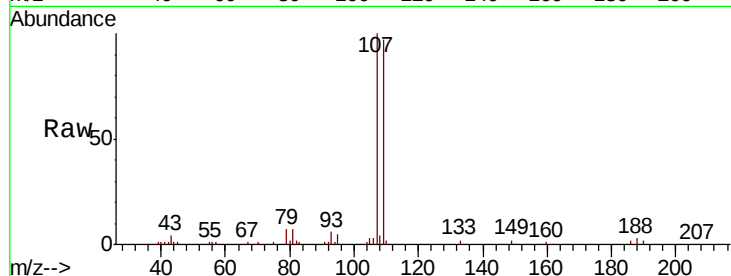
VD1203SBSD01

Tot Ion:107 Resp: 185001

Ion Ratio Lower Upper

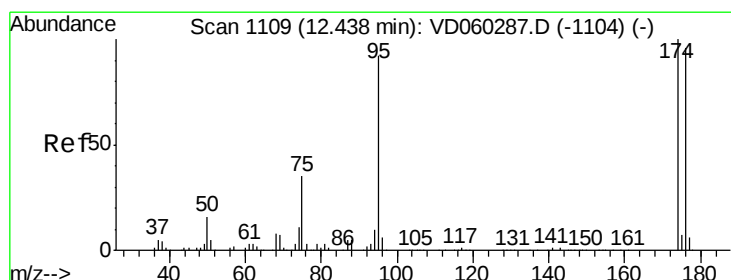
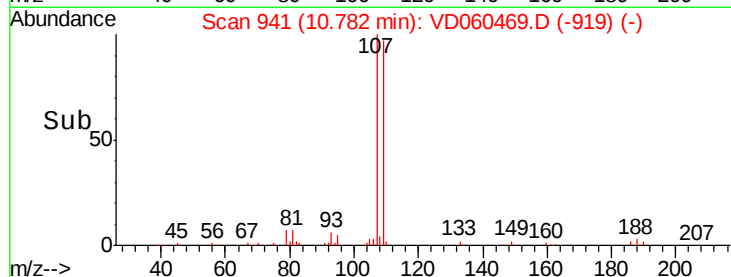
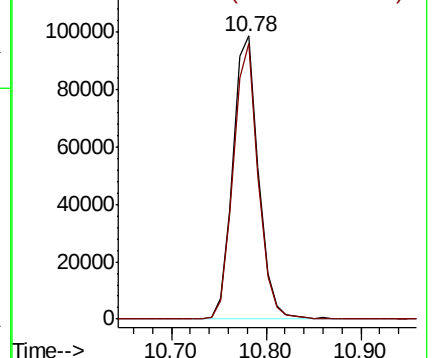
107 100

109 97.3 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: 21.715 ug/l

RT: 12.43 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

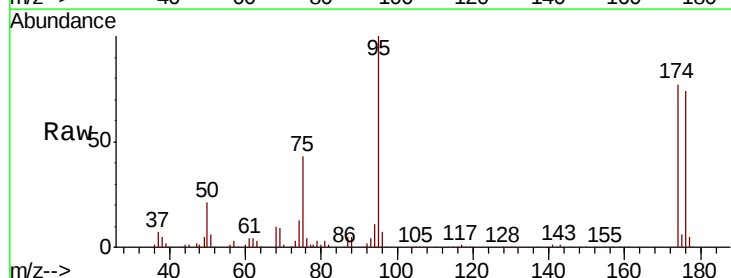
Tgt Ion: 95 Resp: 737641

Ion Ratio Lower Upper

95 100

174 77.4 0.0 160.8

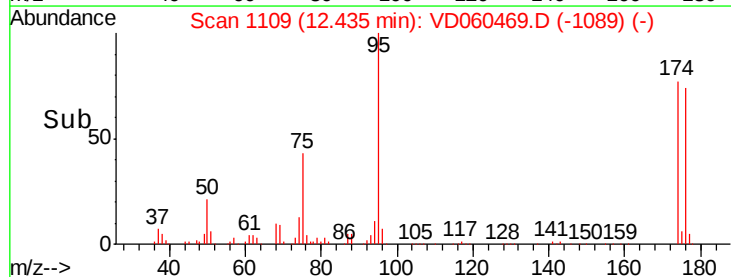
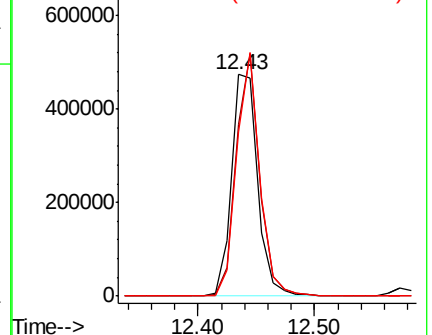
176 74.1 0.0 154.6

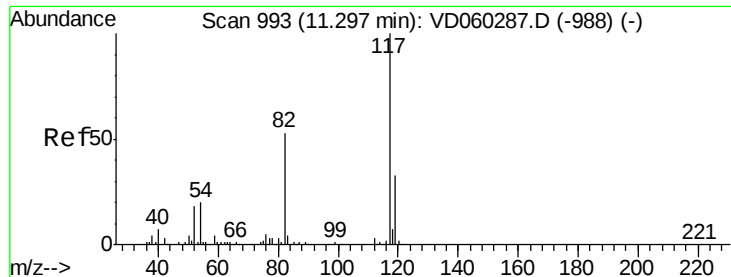


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

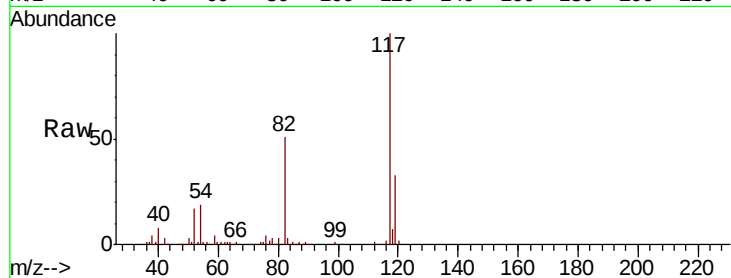




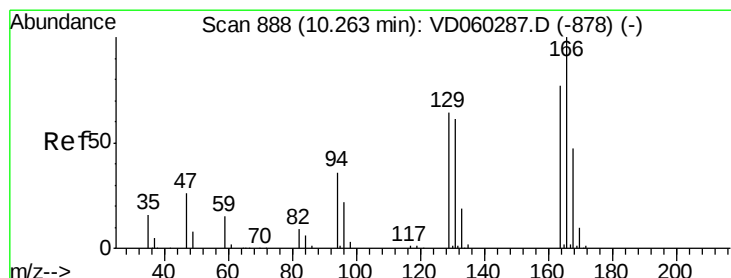
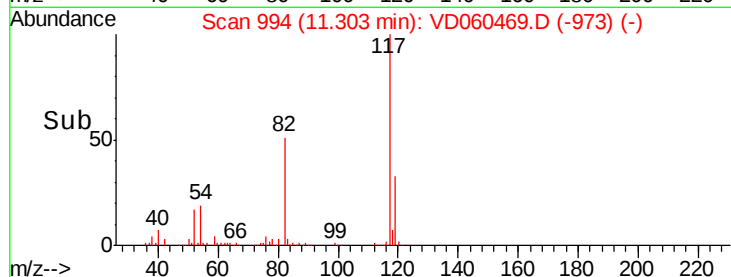
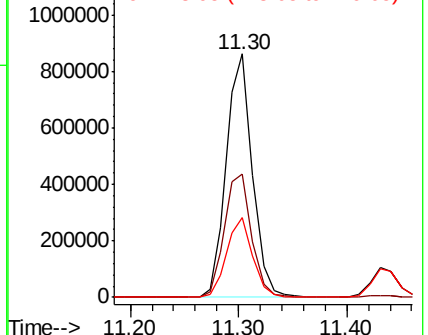
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion:117 Resp: 1448948
Ion Ratio Lower Upper
117 100
82 50.5 43.7 65.5
119 32.7 26.1 39.1

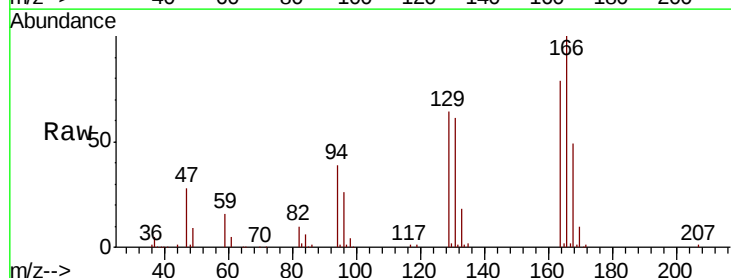


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

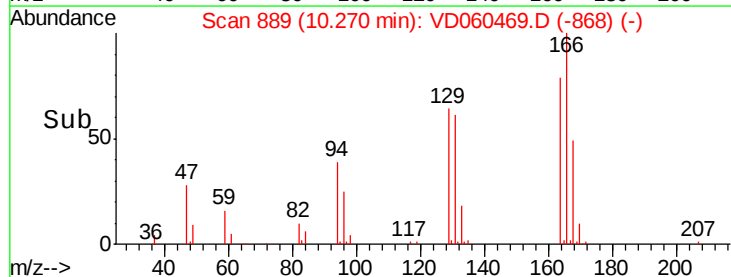
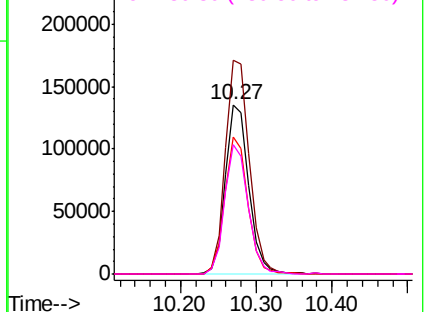


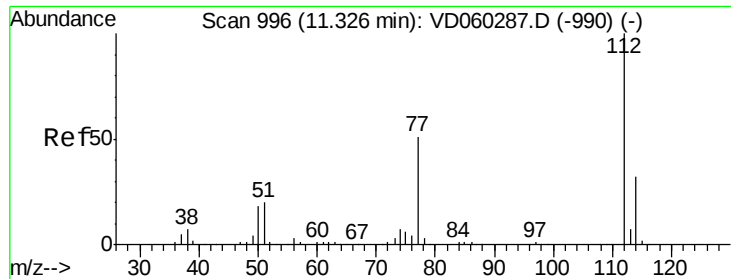
#64
Tetrachloroethene
Concen: 22.334 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:164 Resp: 288902
Ion Ratio Lower Upper
164 100
166 125.9 103.7 155.5
129 80.7 65.6 98.4
131 76.4 64.4 96.6



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

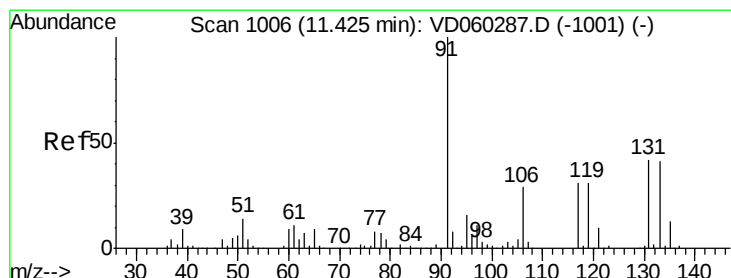
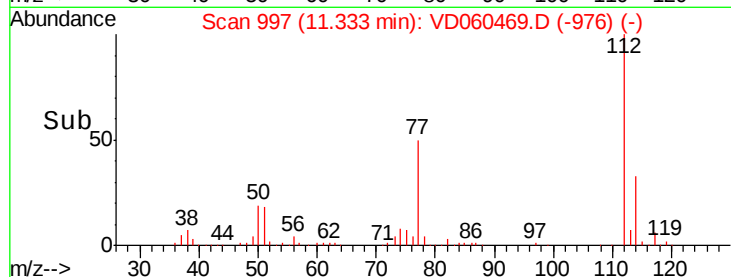
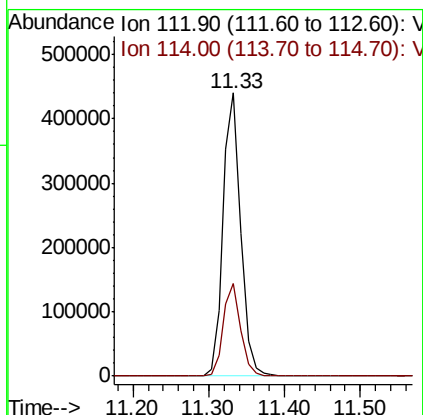
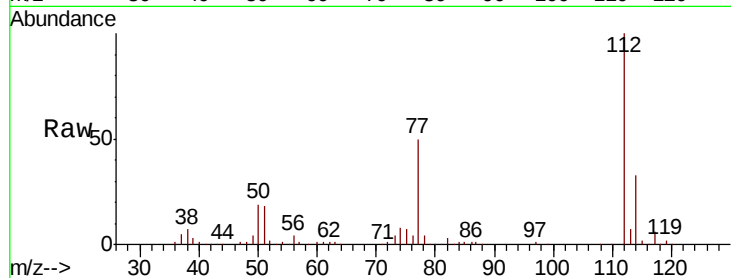




#65
Chlorobenzene
Concen: 22.780 ug/l
RT: 11.33 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

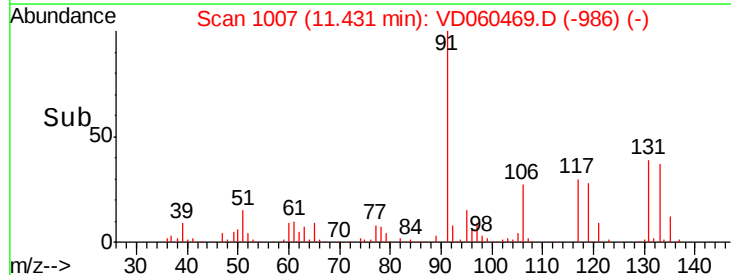
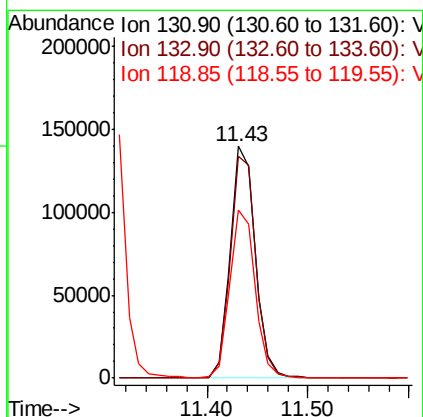
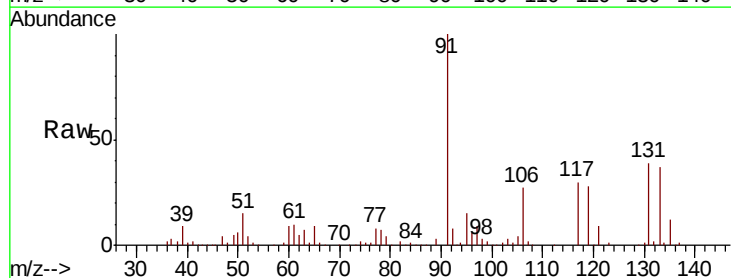
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion:112 Resp: 715180
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.307 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:131 Resp: 239415
Ion Ratio Lower Upper
131 100
133 95.6 50.0 150.0
119 72.8 37.0 111.1

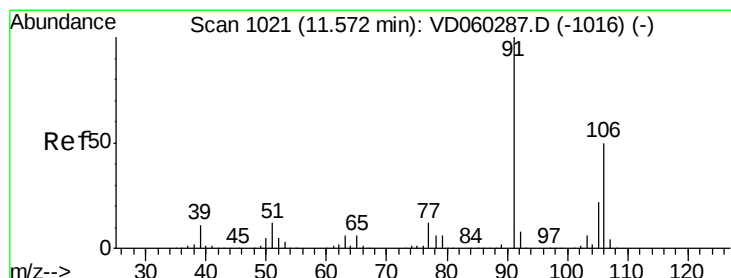
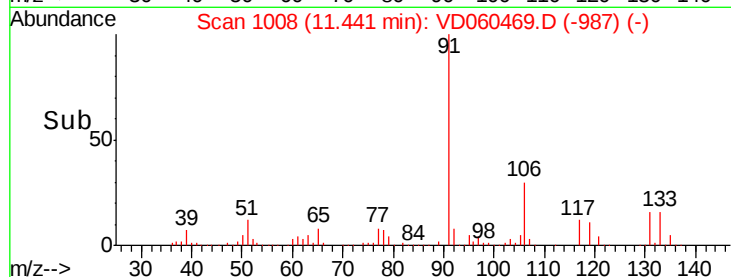
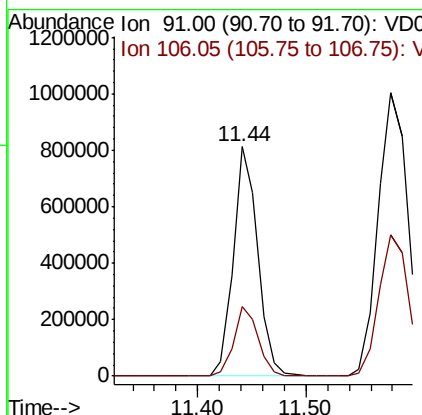
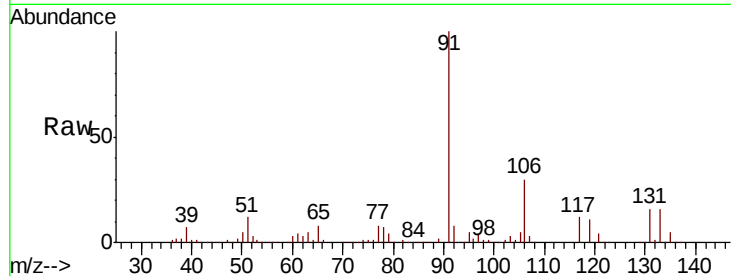




#67
Ethyl Benzene
Concen: 23.682 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

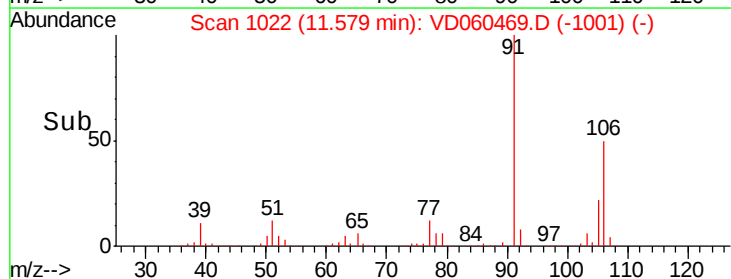
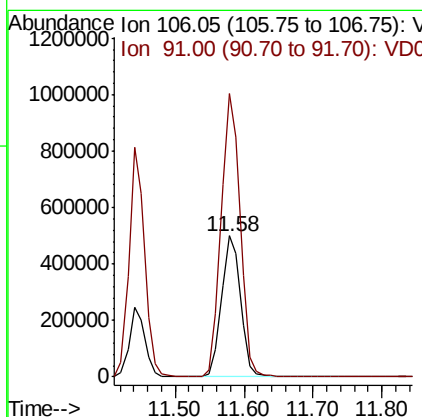
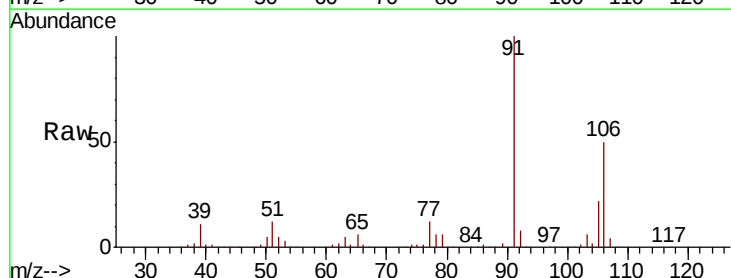
Instrument :
MSVOA_D
ClientSampleID :
VD1203SBS01

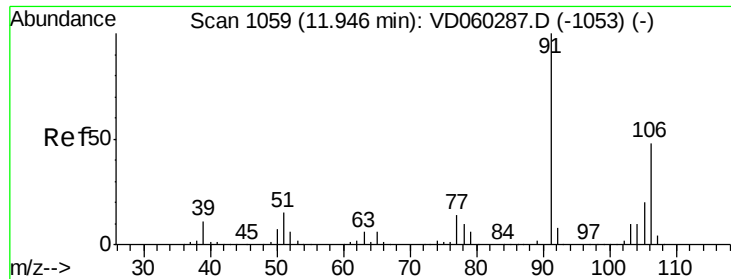
Tot Ion: 91 Resp: 1271850
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8



#68
m/p-Xylenes
Concen: 48.119 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 106 Resp: 953278
Ion Ratio Lower Upper
106 100
91 200.4 159.4 239.2

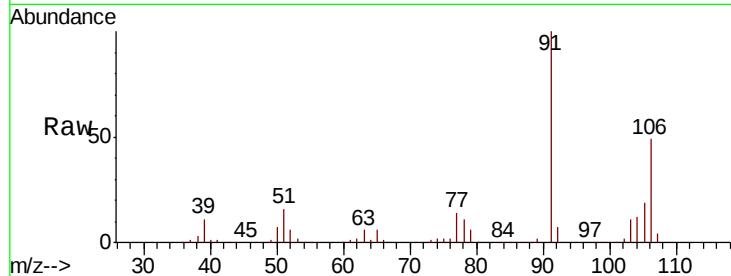




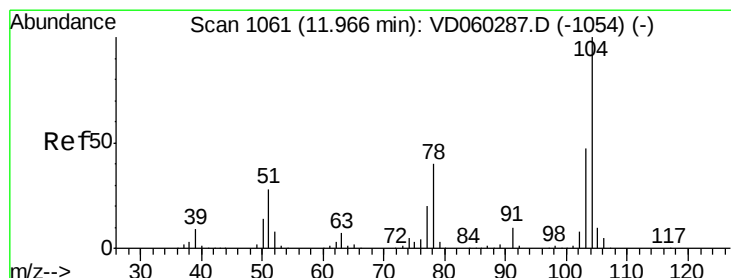
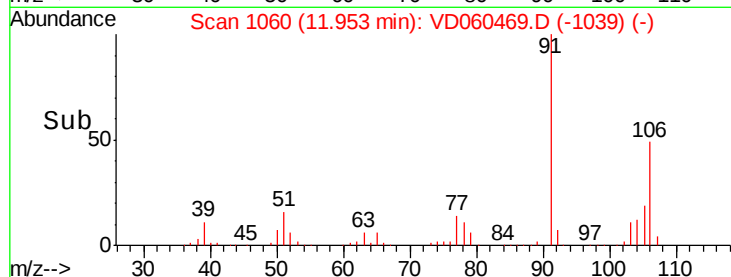
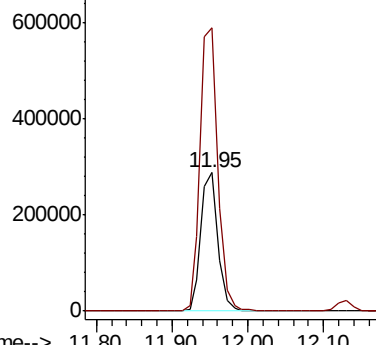
#69
o-Xylene
Concen: 23.428 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion:106 Resp: 448390
Ion Ratio Lower Upper
106 100
91 204.6 109.2 327.6

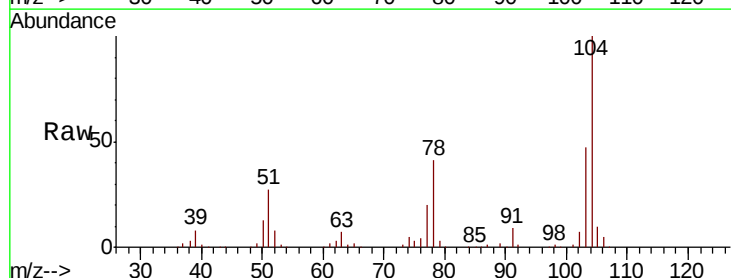


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

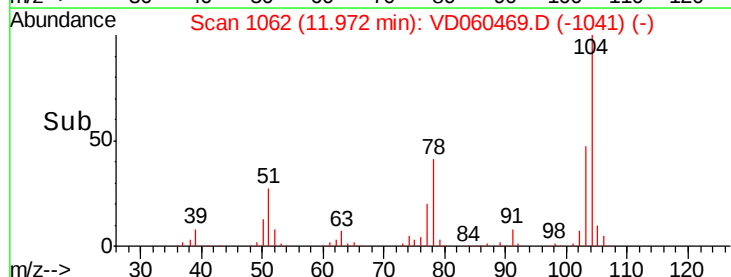
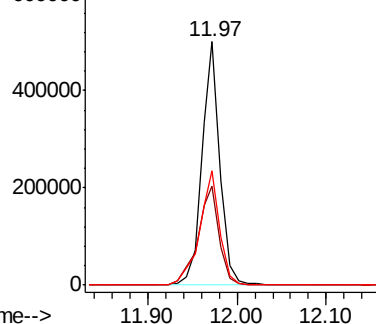


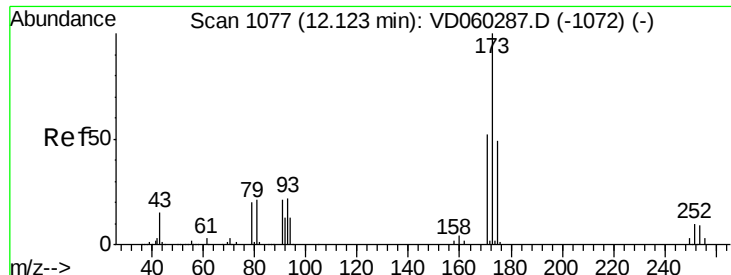
#70
Styrene
Concen: 22.982 ug/l
RT: 11.97 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:104 Resp: 710837
Ion Ratio Lower Upper
104 100
78 40.8 31.6 47.4
103 46.8 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

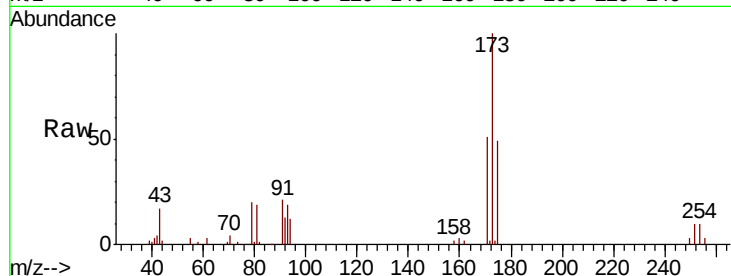




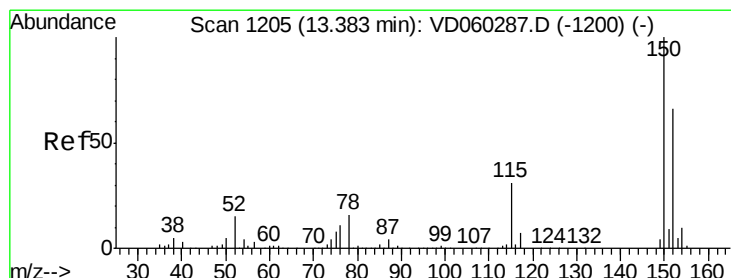
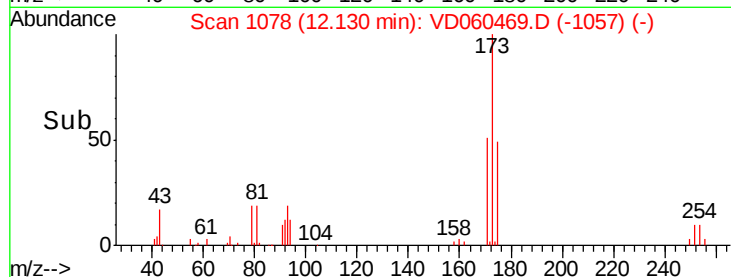
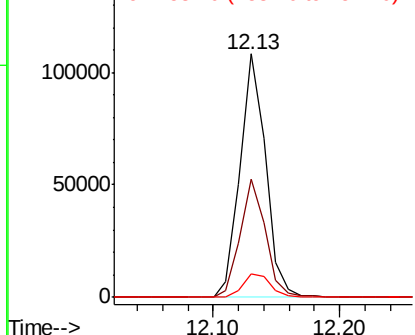
#71
Bromoform
Concen: 21.959 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion:173 Resp: 151573
Ion Ratio Lower Upper
173 100
175 48.8 24.3 73.0
254 9.6 8.3 12.5

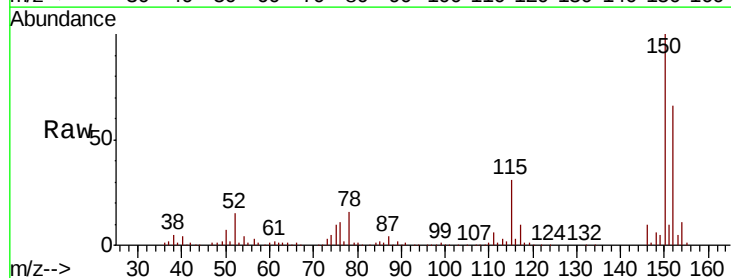


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

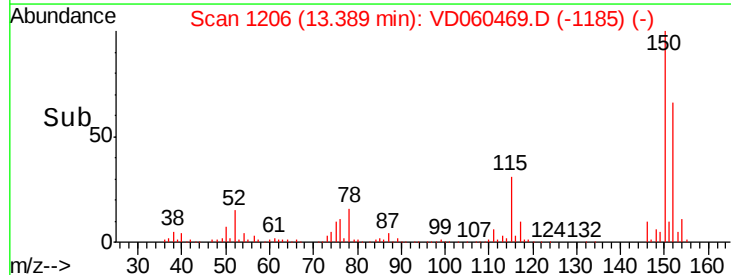
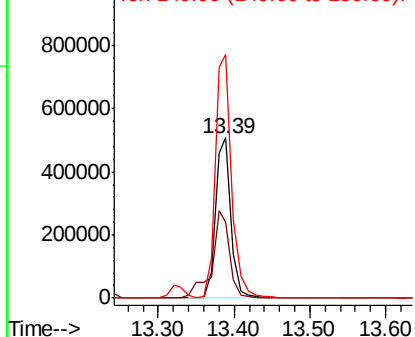


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1206
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:152 Resp: 732094
Ion Ratio Lower Upper
152 100
115 47.4 24.1 72.3
150 152.1 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.957 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

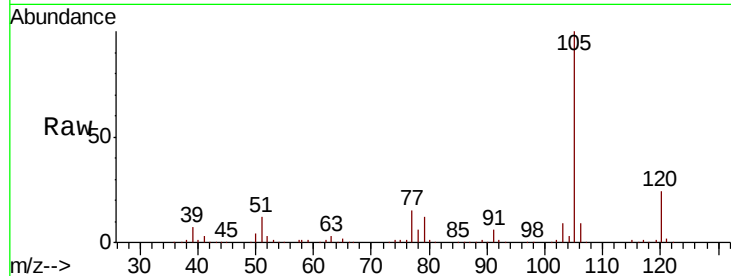
VD1203SBSD01

Tot Ion:105 Resp: 1224515

Ion Ratio Lower Upper

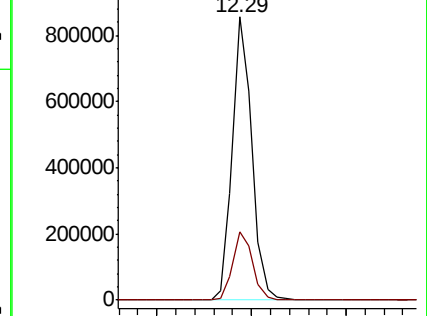
105 100

120 24.0 12.1 36.3

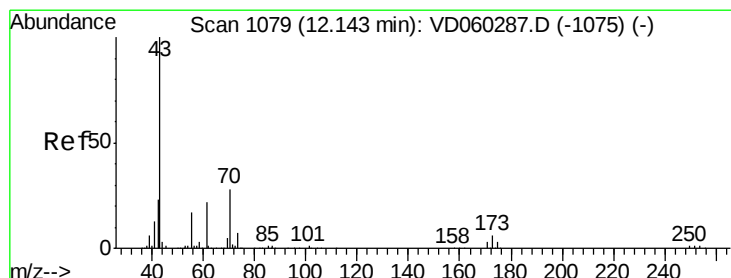
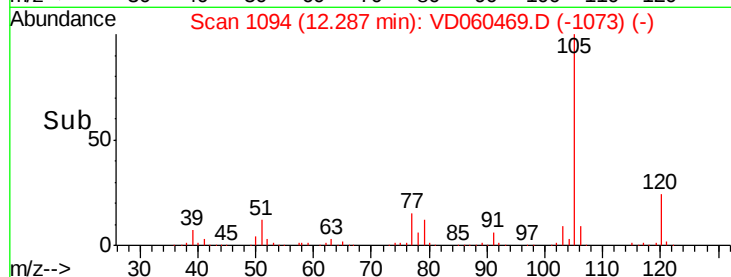


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 20.507 ug/l

RT: 12.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Tgt Ion: 43 Resp: 280432

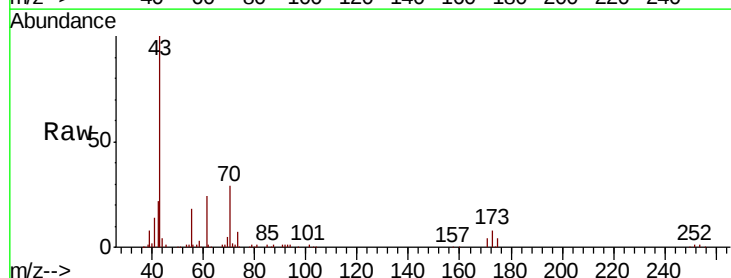
Ion Ratio Lower Upper

43 100

70 28.9 23.0 34.4

55 17.6 14.2 21.4

61 24.0 17.8 26.8

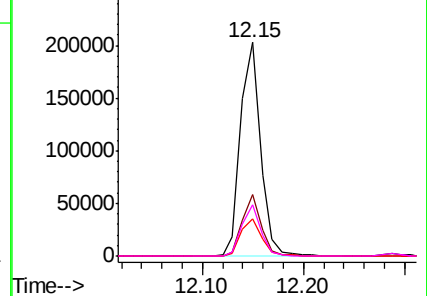


Abundance Ion 42.95 (42.65 to 43.65): V

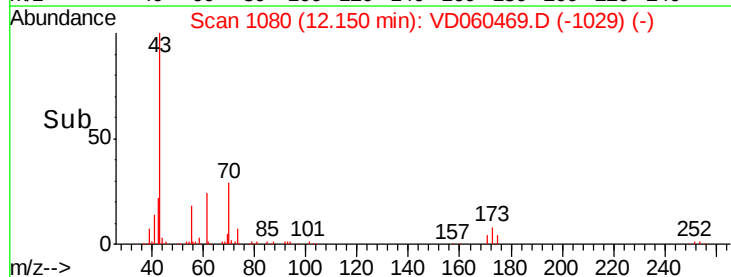
Ion 70.00 (69.70 to 70.70): V

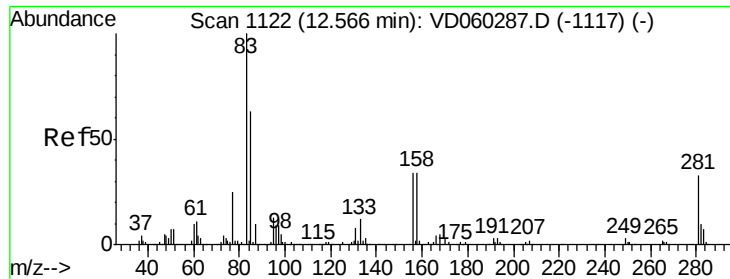
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->

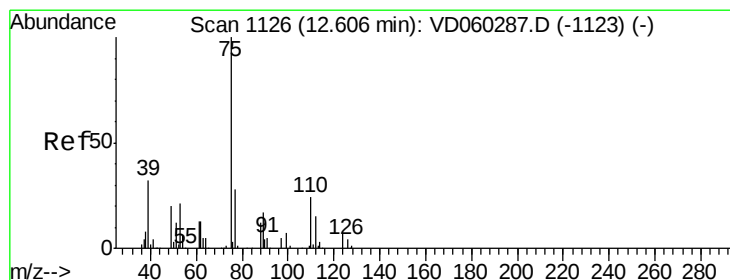
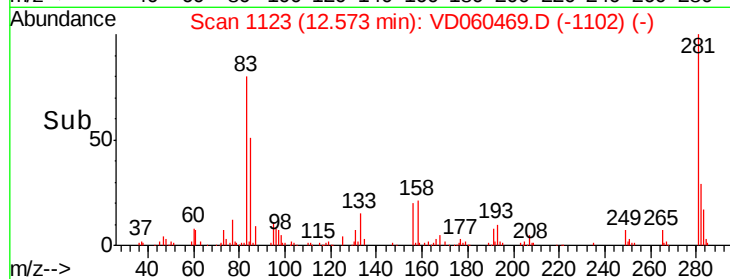
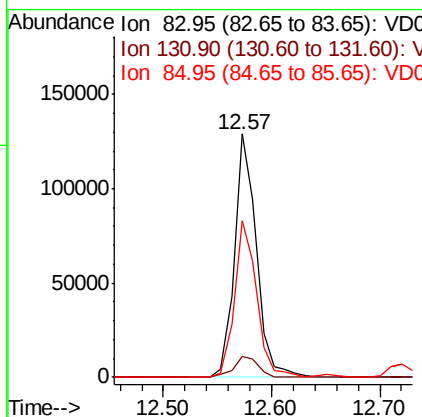
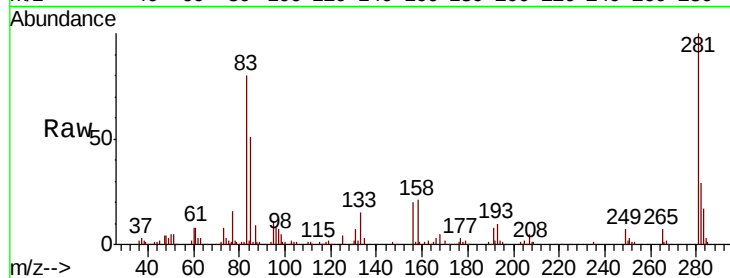




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.932 ug/l
 RT: 12.57 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

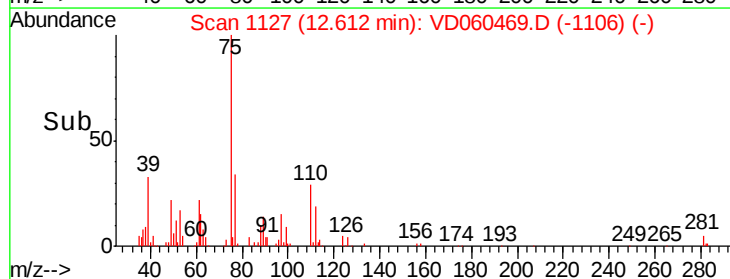
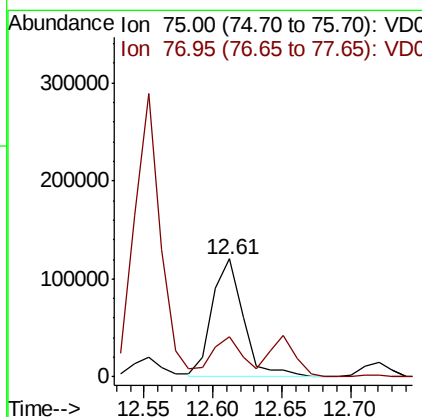
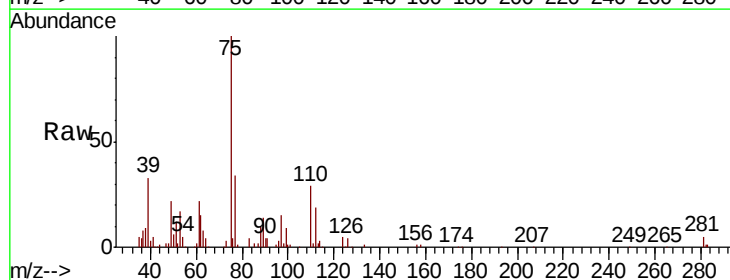
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

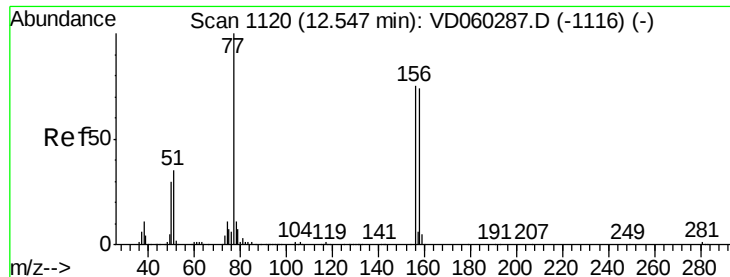
Tot Ion: 83 Resp: 182593
 Ion Ratio Lower Upper
 83 100
 131 8.4 3.9 11.5
 85 64.3 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 21.255 ug/l
 RT: 12.61 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion: 75 Resp: 186144
 Ion Ratio Lower Upper
 75 100
 77 34.2 16.4 49.1





#77

Bromobenzene

Concen: 22.187 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

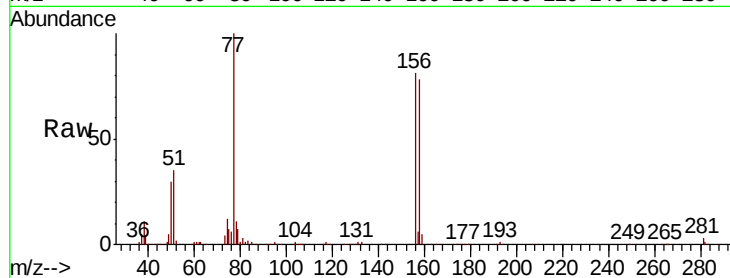
Tot Ion:156 Resp: 314341

Ion Ratio Lower Upper

156 100

77 123.0 61.2 183.6

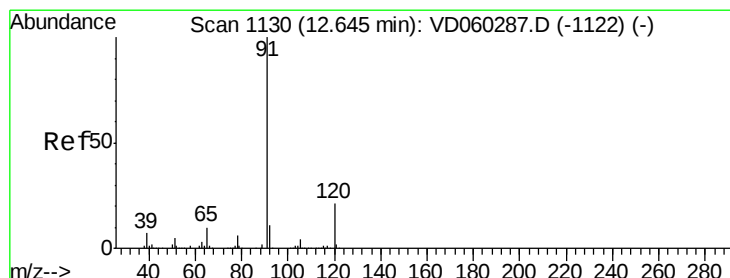
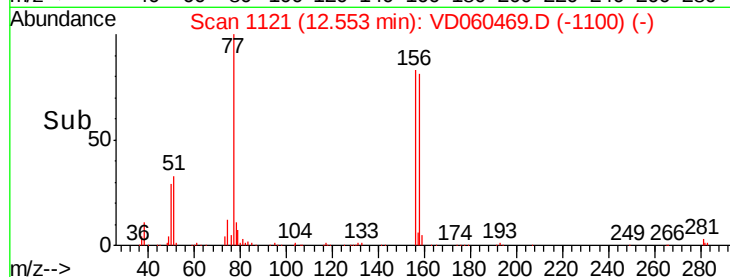
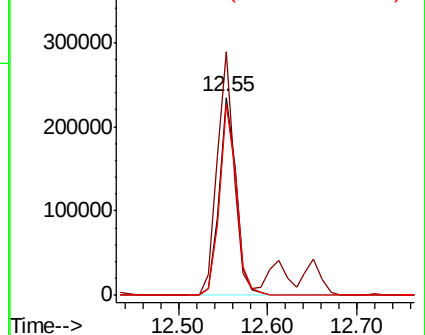
158 96.6 49.2 147.6



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: 23.646 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060469.D

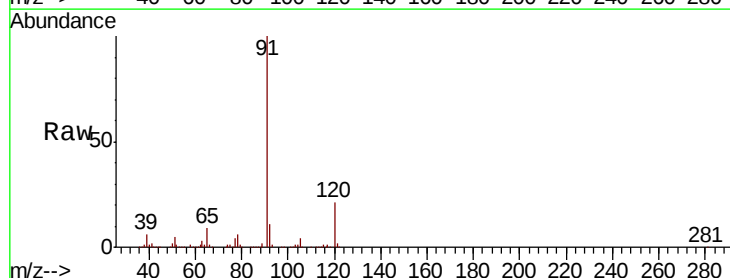
Acq: 3 Dec 2018 12:13

Tgt Ion: 91 Resp: 1574257

Ion Ratio Lower Upper

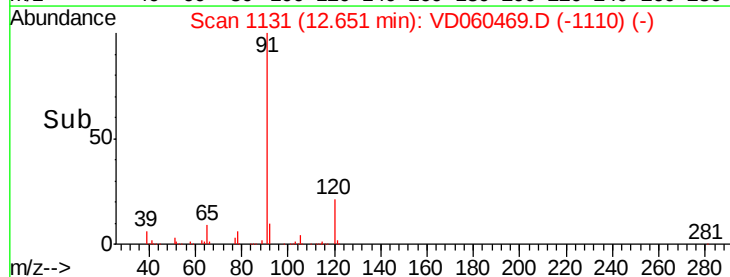
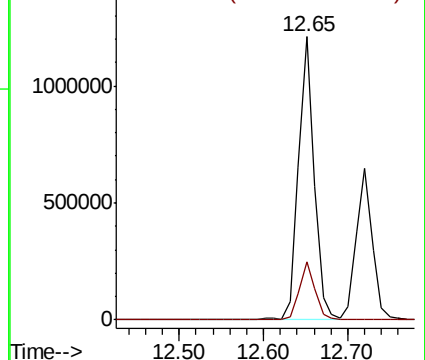
91 100

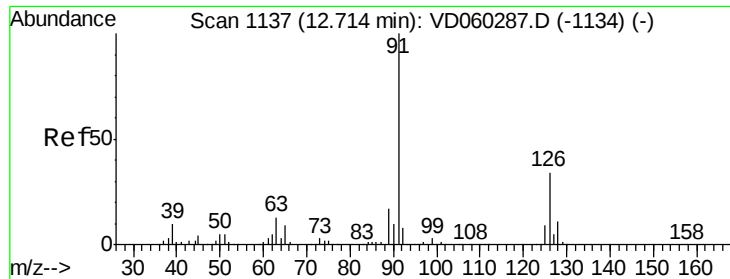
120 20.5 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.342 ug/l

RT: 12.72 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

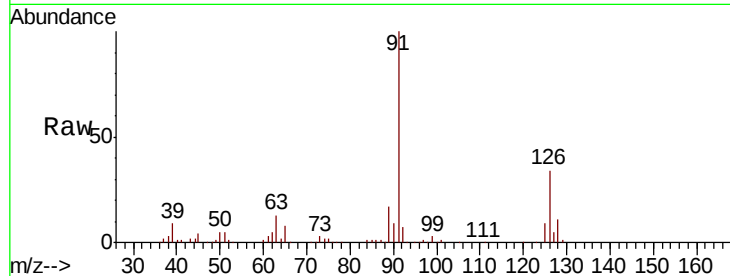
VD1203SBS01

Tot Ion: 91 Resp: 851128

Ion Ratio Lower Upper

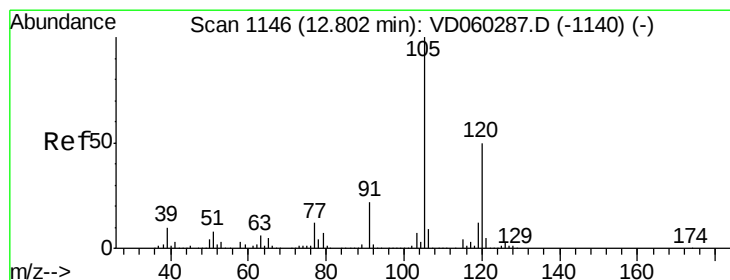
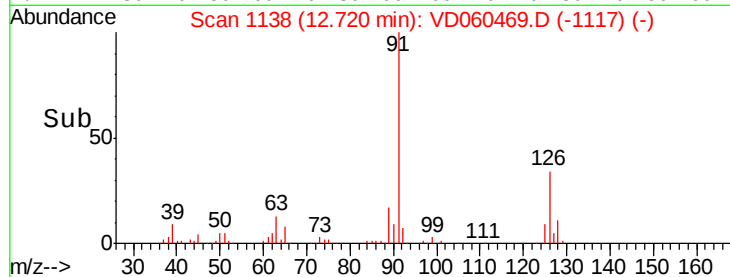
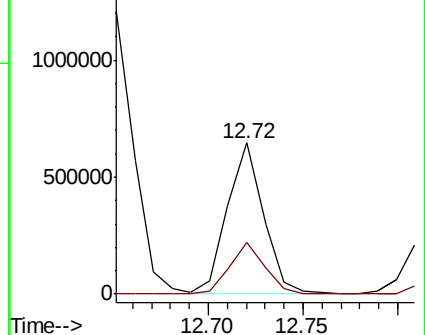
91 100

126 34.1 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD060287.D (-1134) (-)

Ion 125.95 (125.65 to 126.65): VD060287.D (-1134) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.120 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060469.D

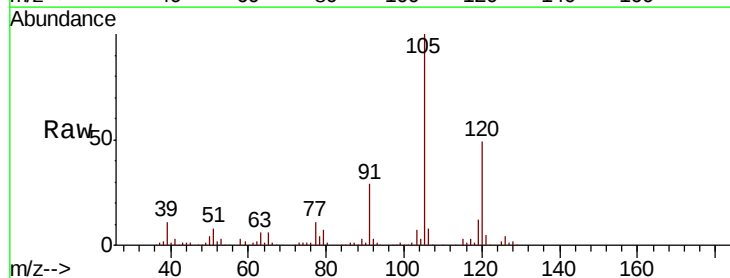
Acq: 3 Dec 2018 12:13

Tgt Ion:105 Resp: 958373

Ion Ratio Lower Upper

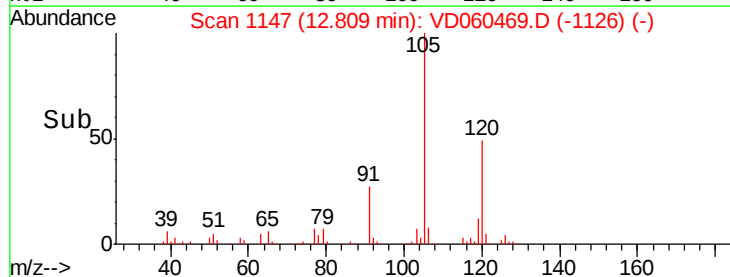
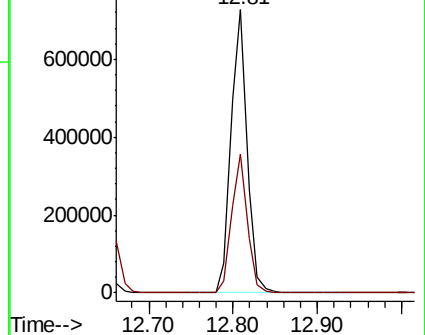
105 100

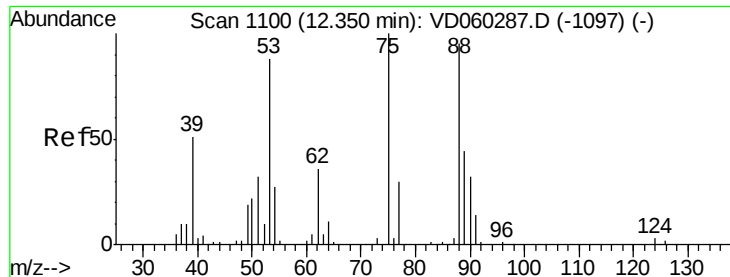
120 48.9 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): VD060287.D (-1140) (-)

Ion 120.05 (119.75 to 120.75): VD060287.D (-1140) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.161 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBSD01

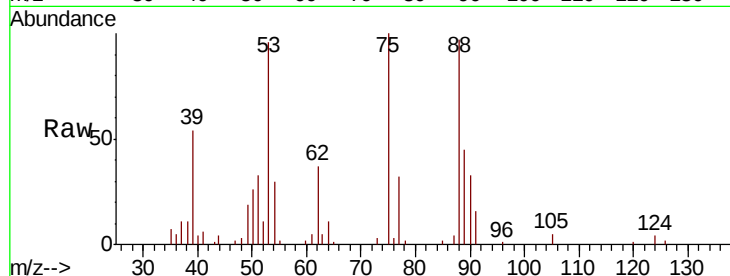
Tot Ion: 75 Resp: 52760

Ion Ratio Lower Upper

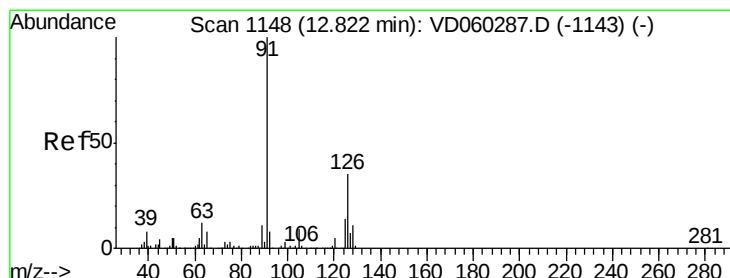
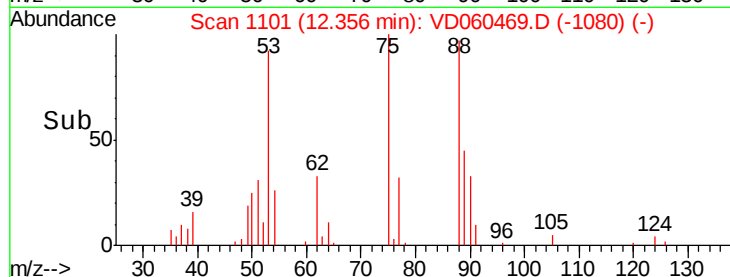
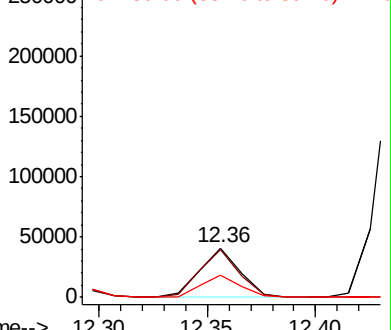
75 100

53 96.2 68.6 103.0

89 44.8 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: 23.239 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060469.D

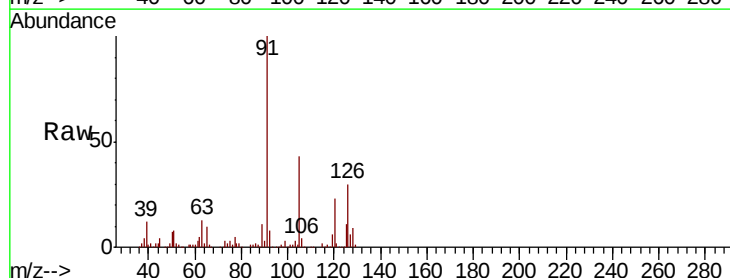
Acq: 3 Dec 2018 12:13

Tgt Ion: 91 Resp: 951882

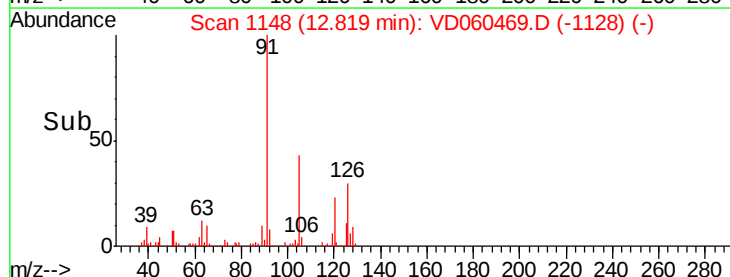
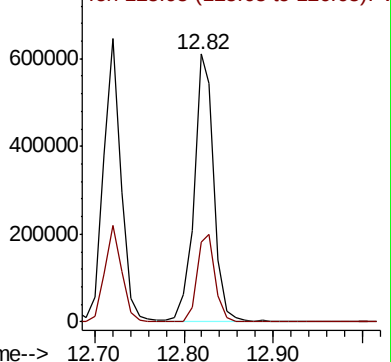
Ion Ratio Lower Upper

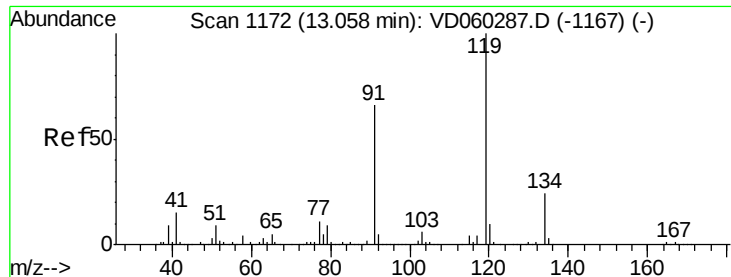
91 100

126 29.8 14.8 44.4



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

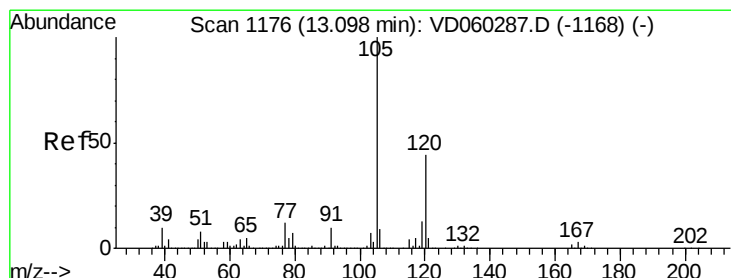
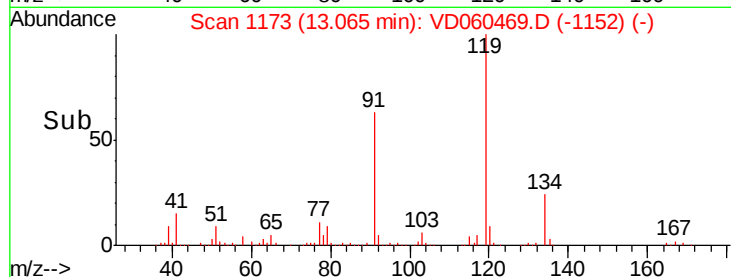
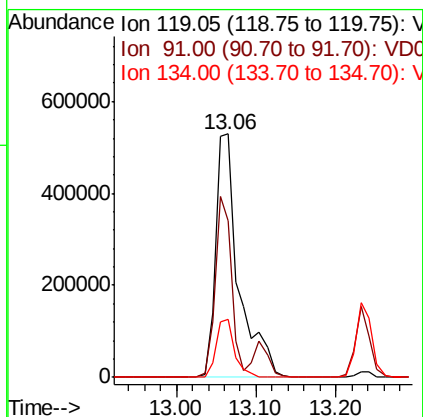
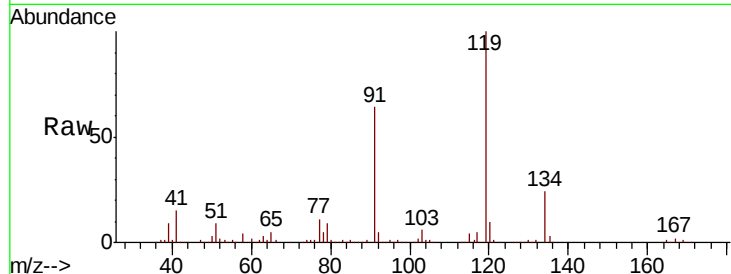




#83
tert-Butylbenzene
Concen: 23.492 ug/l
RT: 13.06 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

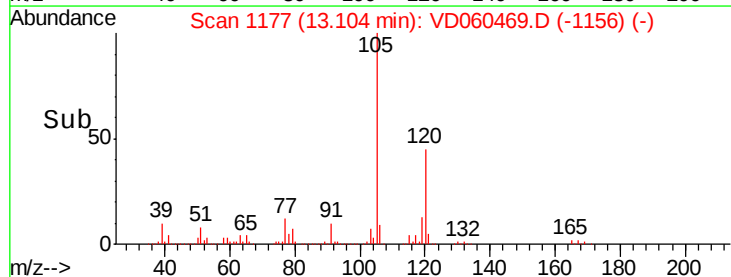
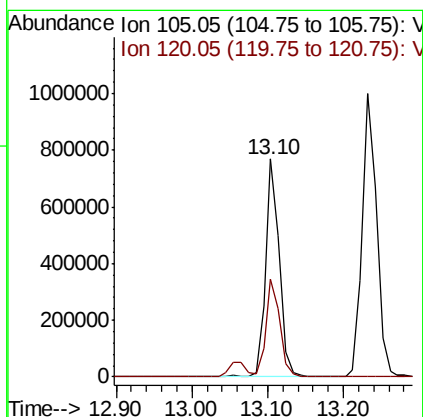
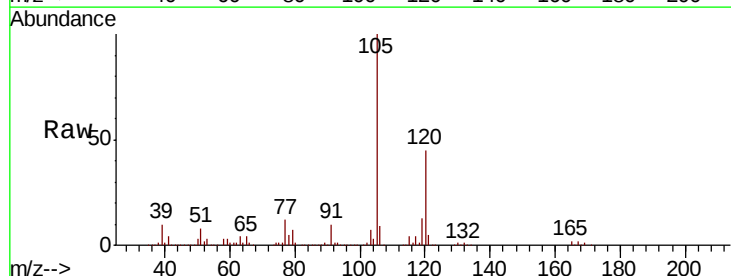
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

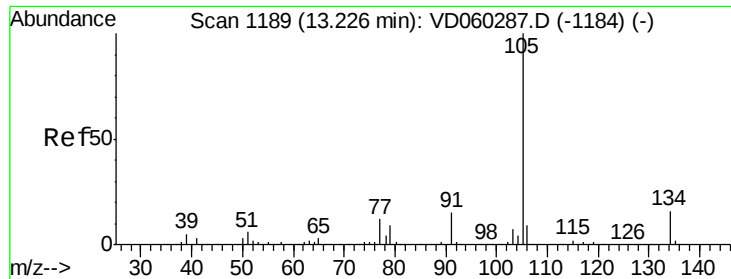
Tot Ion:119 Resp: 1081131
Ion Ratio Lower Upper
119 100
91 64.5 32.7 98.1
134 23.8 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 23.714 ug/l
RT: 13.10 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:105 Resp: 981729
Ion Ratio Lower Upper
105 100
120 45.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 23.047 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

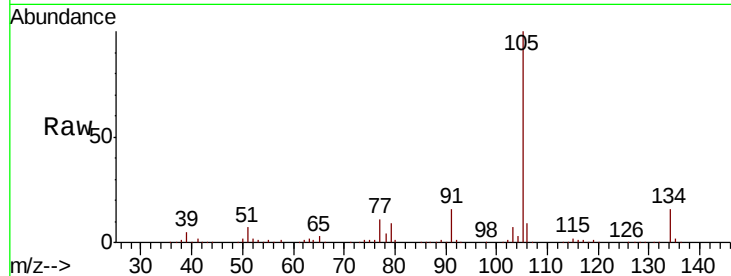
VD1203SBS01

Tot Ion:105 Resp: 1301292

Ion Ratio Lower Upper

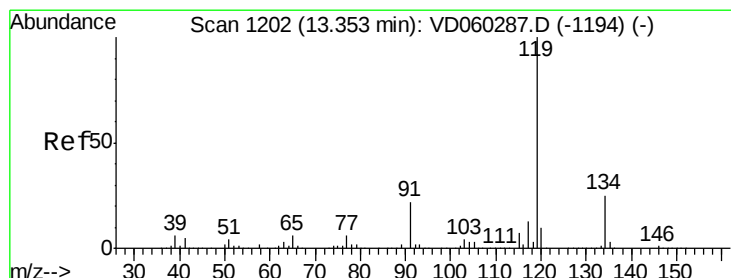
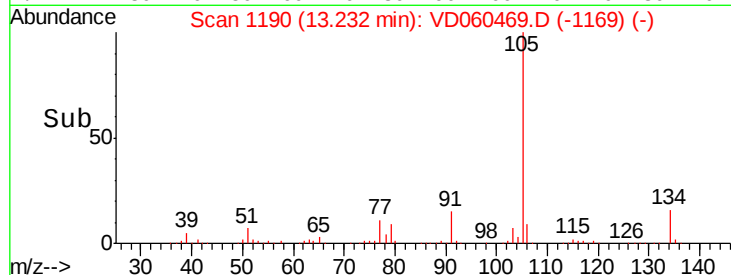
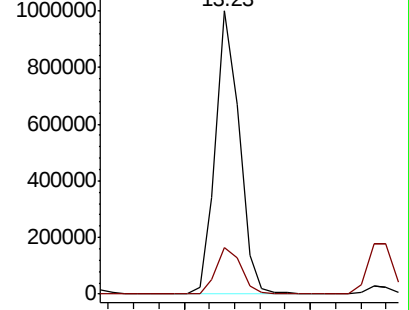
105 100

134 16.2 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.361 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

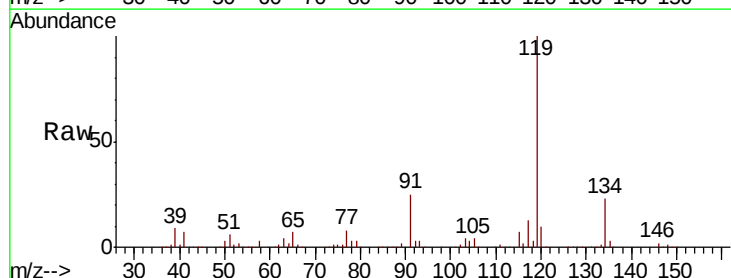
Tgt Ion:119 Resp: 1062217

Ion Ratio Lower Upper

119 100

134 23.5 12.9 38.6

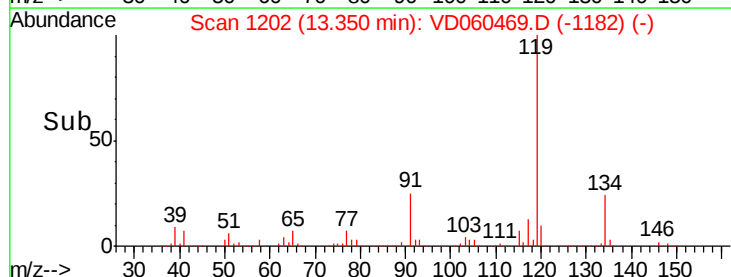
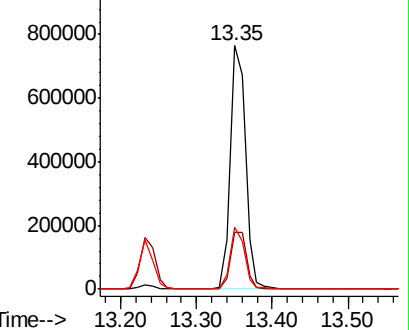
91 25.2 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.693 ug/l

RT: 13.32 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBS01

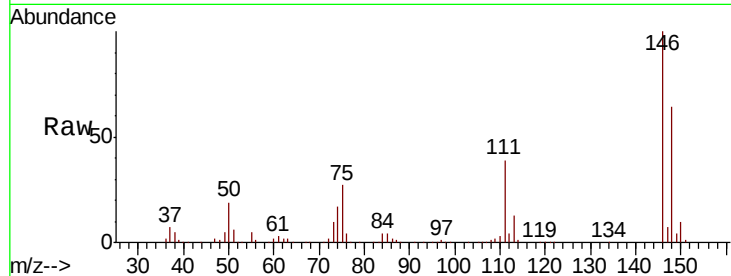
Tot Ion:146 Resp: 572017

Ion Ratio Lower Upper

146 100

111 39.2 20.2 60.5

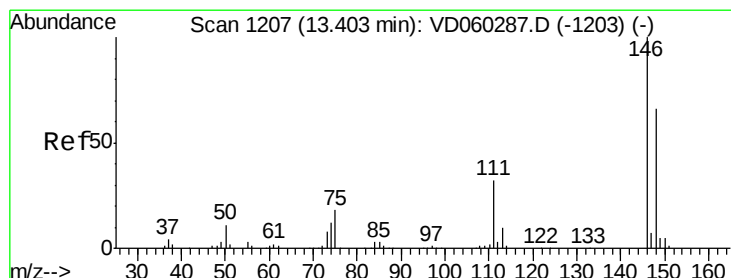
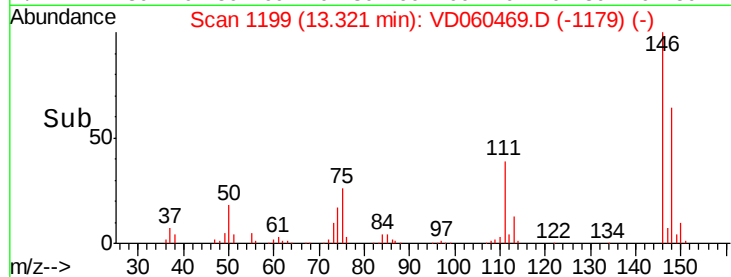
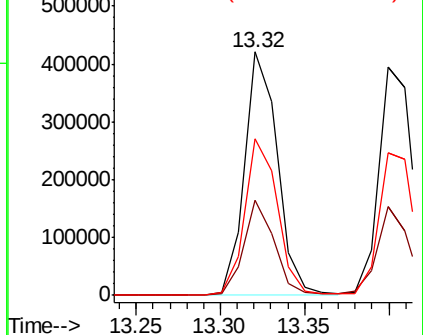
148 64.5 32.0 96.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.695 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD060469.D

Acq: 3 Dec 2018 12:13

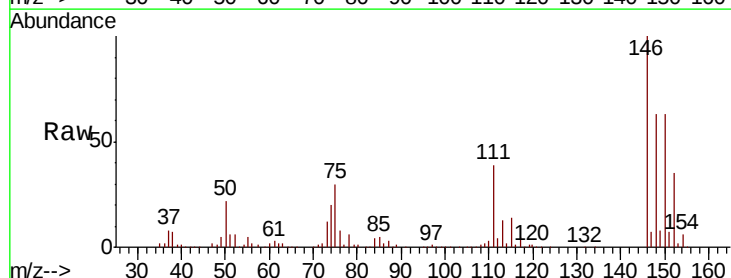
Tgt Ion:146 Resp: 558710

Ion Ratio Lower Upper

146 100

111 39.0 16.0 47.9

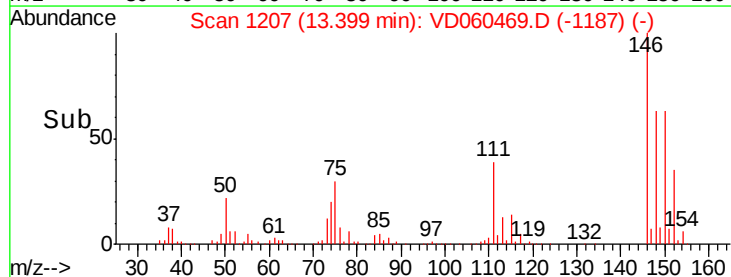
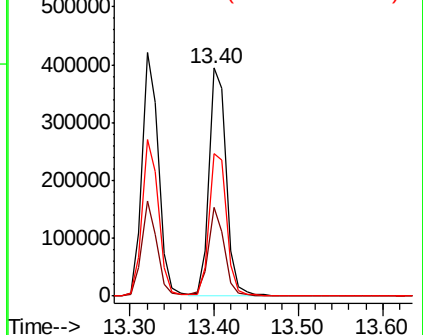
148 62.7 32.9 98.7

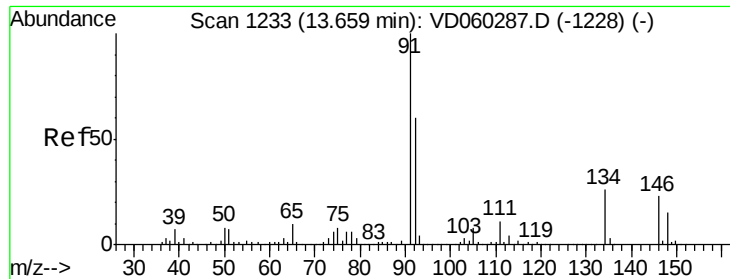


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

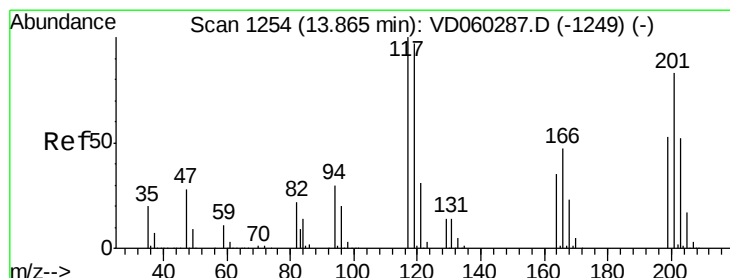
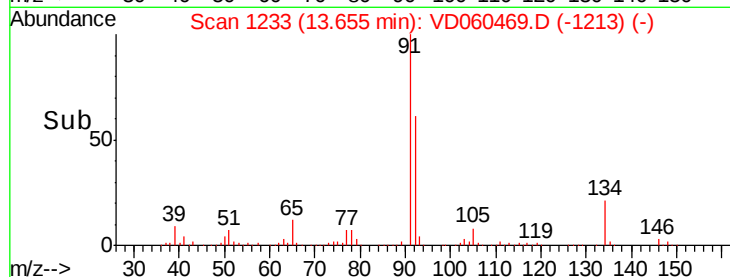
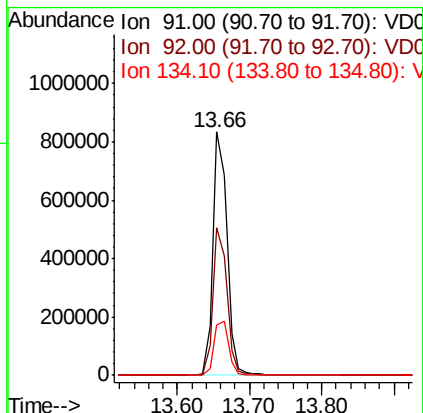
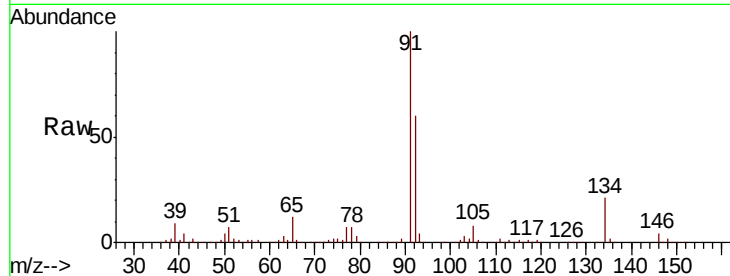




#89
n-Butylbenzene
Concen: 22.642 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

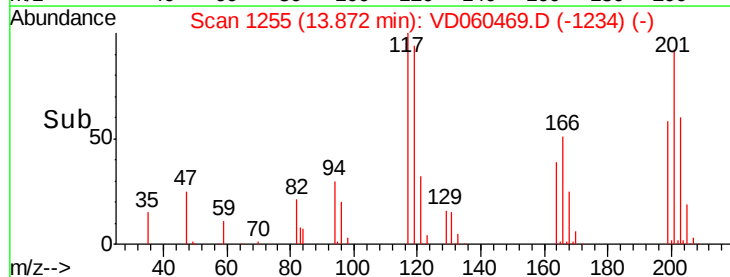
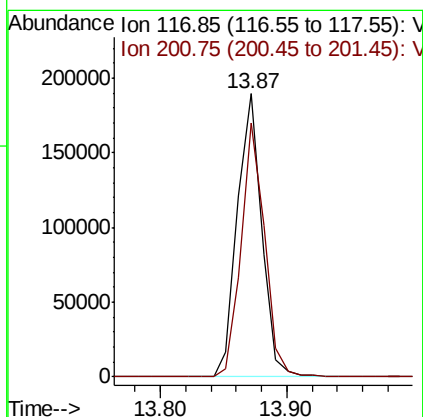
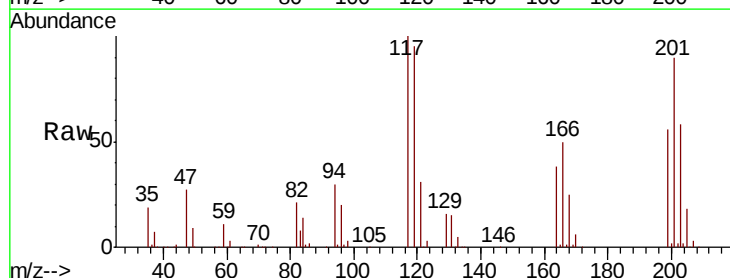
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

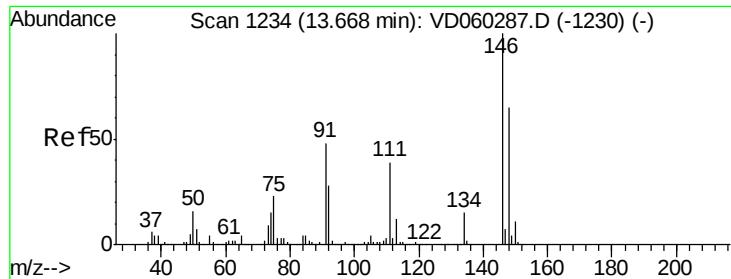
Tot Ion: 91 Resp: 1117009
Ion Ratio Lower Upper
91 100
92 60.5 30.3 90.9
134 20.9 13.0 38.9



#90
Hexachloroethane
Concen: 23.431 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion: 117 Resp: 252629
Ion Ratio Lower Upper
117 100
201 89.6 40.1 120.3

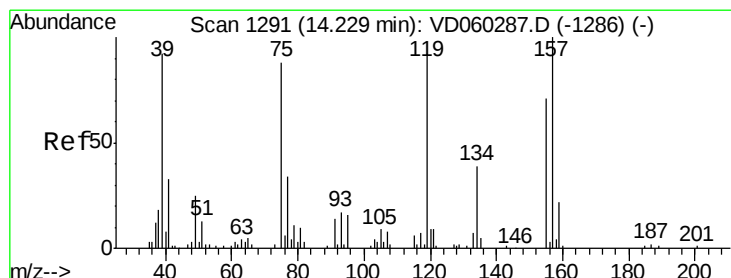
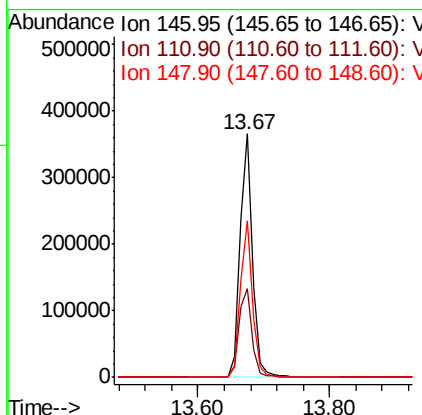
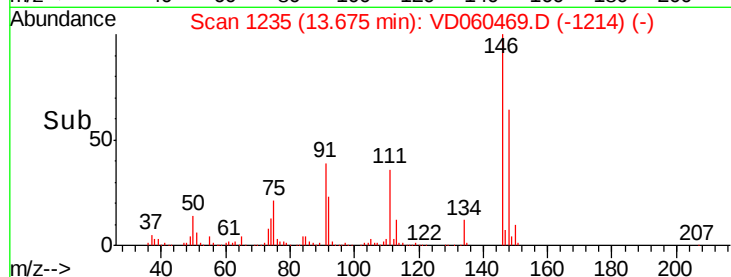
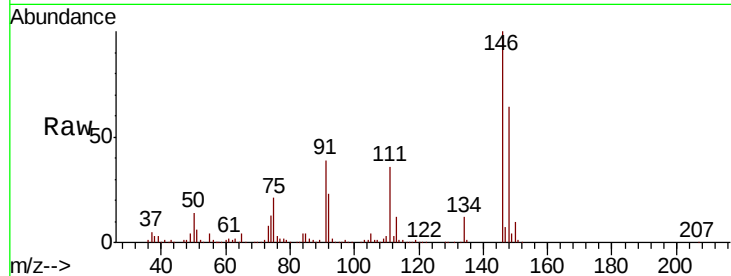




#91
 1,2-Dichlorobenzene
 Concen: 23.344 ug/l
 RT: 13.67 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

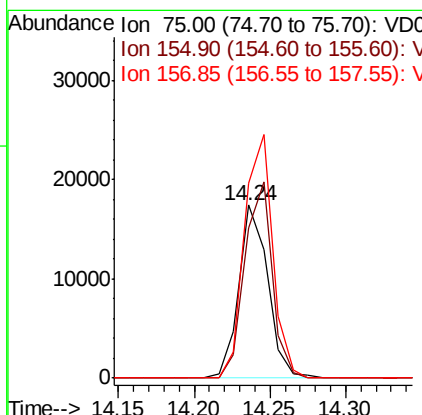
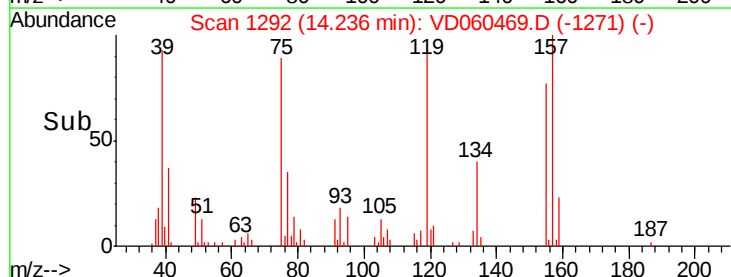
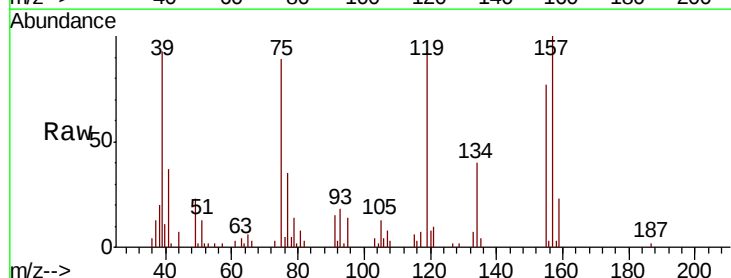
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBSD01

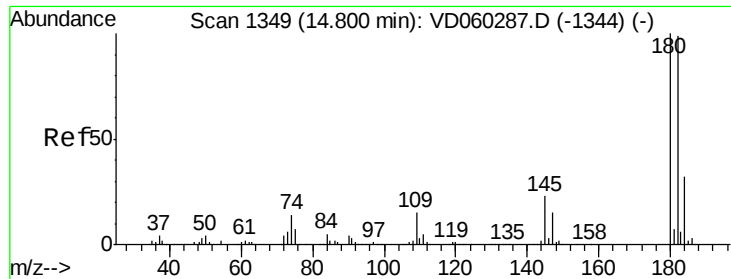
Tot Ion:146 Resp: 483321
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.9 56.9
 148 64.4 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.903 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion: 75 Resp: 23064
 Ion Ratio Lower Upper
 75 100
 155 87.2 64.3 192.9
 157 112.6 81.0 243.1

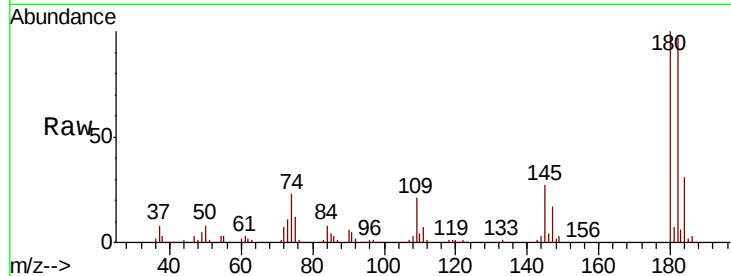




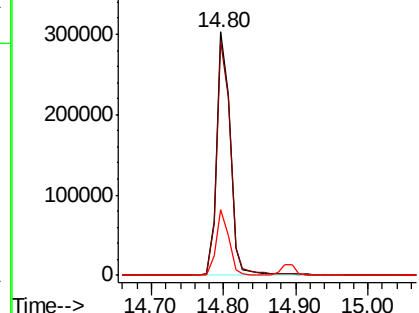
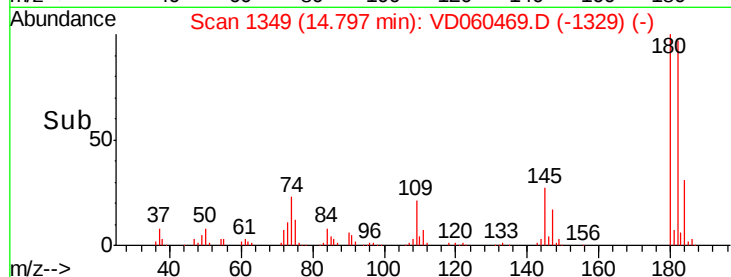
#93
 1,2,4-Trichlorobenzene
 Concen: 24.025 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	27.3	11.5	34.4

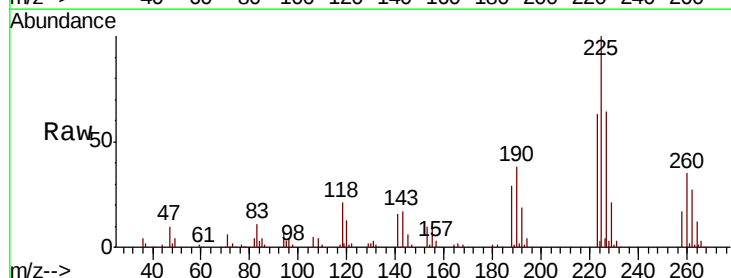


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

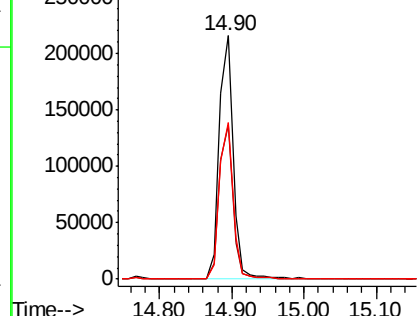
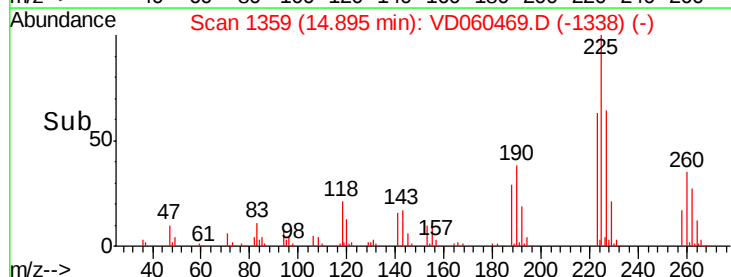


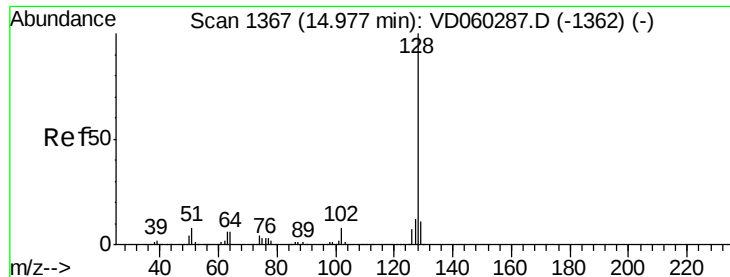
#94
 Hexachlorobutadiene
 Concen: 23.309 ug/l
 RT: 14.90 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD060469.D
 Acq: 3 Dec 2018 12:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	94.8
227	64.5	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

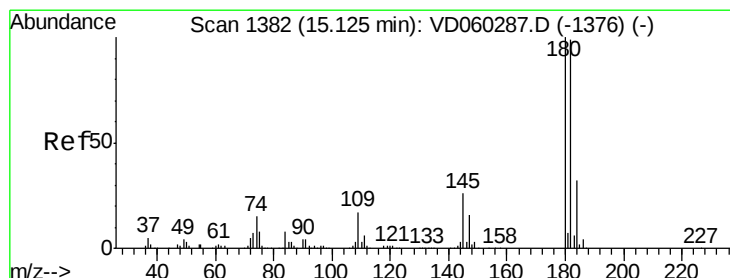
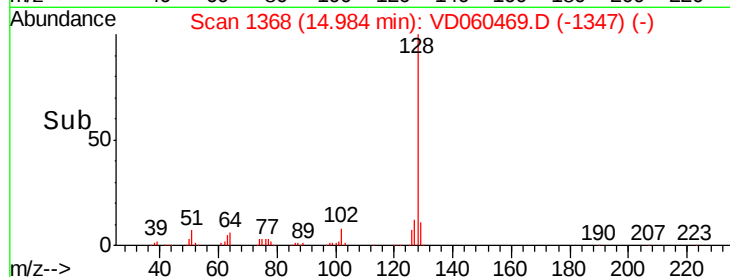
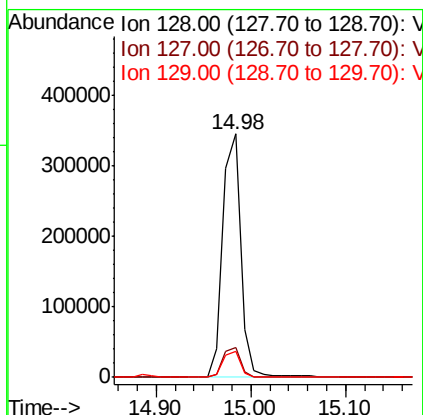
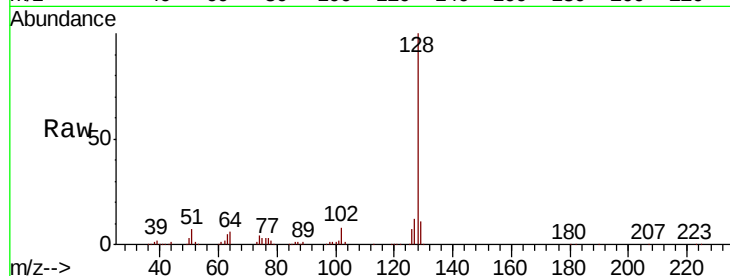




#95
Naphthalene
Concen: 22.921 ug/l
RT: 14.98 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBSD01

Tot Ion:128 Resp: 459454
Ion Ratio Lower Upper
128 100
127 12.2 9.6 14.4
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 23.346 ug/l
RT: 15.13 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VD060469.D
Acq: 3 Dec 2018 12:13

Tgt Ion:180 Resp: 307104
Ion Ratio Lower Upper
180 100
182 96.8 48.9 146.7
145 24.4 12.9 38.6

