

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112918\
 Data File : VD060461.D
 Acq On : 29 Nov 2018 12:08
 Operator : VA/AP
 Sample : VD1129SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Quant Time: Nov 30 04:53:04 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	6.42	168	1373412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1881826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1489068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	763510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	511606	52.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.04%	
35) Dibromofluoromethane	6.34	113	775559	55.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.54%	
50) Toluene-d8	9.47	98	2153976	52.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.43	95	793994	53.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	257899	21.311	ug/l	95
3) Chloromethane	1.77	50	261111	20.071	ug/l	98
4) Vinyl Chloride	1.87	62	223178	21.006	ug/l	98
5) Bromomethane	2.17	94	45821	18.178	ug/l	93
6) Chloroethane	2.28	64	67853	19.248	ug/l	92
7) Trichlorofluoromethane	2.52	101	266731	21.294	ug/l	98
8) Diethyl Ether	2.85	74	46333	20.430	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.11	101	182165	22.111	ug/l	96
10) Methyl Iodide	3.27	142	190648	17.817	ug/l	99
11) Tert butyl alcohol	4.00	59	48501	120.108	ug/l	97
12) 1,1-Dichloroethene	3.09	96	142712	21.296	ug/l	96
13) Acrolein	3.00	56	30317	63.538	ug/l	100
14) Allyl chloride	3.56	41	279358	21.787	ug/l	98
15) Acrylonitrile	4.11	53	243196	103.276	ug/l	97
16) Acetone	3.18	43	172945	101.387	ug/l	97
17) Carbon Disulfide	3.34	76	418712	19.357	ug/l	96
18) Methyl Acetate	3.58	43	71376	19.624	ug/l	98
19) Methyl tert-butyl Ether	4.15	73	419385	20.900	ug/l	99
20) Methylene Chloride	3.74	84	332373	21.965	ug/l	96
21) trans-1,2-Dichloroethene	4.13	96	325716	21.890	ug/l	96
22) Diisopropyl ether	4.87	45	1022309	21.340	ug/l	95
23) Vinyl Acetate	4.83	43	2496664	104.741	ug/l	98
24) 1,1-Dichloroethane	4.78	63	528027	21.495	ug/l	100
25) 2-Butanone	5.64	43	354133	99.880	ug/l	99
26) 2,2-Dichloropropane	5.60	77	424324	22.217	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	341788	22.049	ug/l	94
28) Bromochloromethane	5.94	49	226579	20.904	ug/l	97
29) Tetrahydrofuran	5.98	42	183853	98.352	ug/l	99
30) Chloroform	6.12	83	540734	22.018	ug/l	98
31) Cyclohexane	6.38	56	483099	20.576	ug/l	100
32) 1,1,1-Trichloroethane	6.31	97	449337	21.721	ug/l	99
36) 1,1-Dichloropropene	6.54	75	402043	21.625	ug/l	98
37) Ethyl Acetate	5.71	43	173196	20.245	ug/l #	94
38) Carbon Tetrachloride	6.52	117	372289	21.587	ug/l	99

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 Sample : VD1129SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Quant Time: Nov 30 04:53:04 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	8.05	83	444776	20.800	ug/l	98
40) Benzene	6.81	78	1043529	21.989	ug/l	100
41) Methacrylonitrile	5.97	41	200608	20.487	ug/l #	96
42) 1,2-Dichloroethane	6.91	62	257034	20.692	ug/l	100
43) Isopropyl Acetate	8.36	43	214767	19.985	ug/l #	98
44) Trichloroethene	7.76	130	317381	22.062	ug/l	99
45) 1,2-Dichloropropane	8.11	63	259040	21.643	ug/l	99
46) Dibromomethane	8.23	93	147259	21.007	ug/l	96
47) Bromodichloromethane	8.51	83	352113	21.316	ug/l	99
48) Methyl methacrylate	8.26	41	130333	19.967	ug/l	96
49) 1,4-Dioxane	8.24	88	24237	429.139	ug/l #	85
51) 4-Methyl-2-Pentanone	9.35	43	706285	100.979	ug/l	97
52) Toluene	9.56	92	667608	22.023	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	294021	21.066	ug/l	100
54) cis-1,3-Dichloropropene	9.12	75	388169	21.684	ug/l	95
55) 1,1,2-Trichloroethane	10.19	97	183272	20.859	ug/l	94
56) Ethyl methacrylate	10.04	69	160580	19.877	ug/l	98
57) 1,3-Dichloropropane	10.40	76	275706	20.593	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	513323	105.087	ug/l	97
59) 2-Hexanone	10.49	43	510603	102.425	ug/l	99
60) Dibromochloromethane	10.65	129	228709	21.413	ug/l	95
61) 1,2-Dibromoethane	10.77	107	185270	21.045	ug/l	99
64) Tetrachloroethene	10.26	164	291476	21.926	ug/l	98
65) Chlorobenzene	11.32	112	716394	22.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	246329	23.334	ug/l	95
67) Ethyl Benzene	11.44	91	1278758	23.169	ug/l	100
68) m/p-Xylenes	11.58	106	943349	46.335	ug/l	97
69) o-Xylene	11.94	106	432818	22.005	ug/l	98
70) Styrene	11.96	104	704766	22.171	ug/l	97
71) Bromoform	12.12	173	148058	20.872	ug/l	98
73) Isopropylbenzene	12.28	105	1262886	22.703	ug/l	100
74) N-amyl acetate	12.14	43	284633	19.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	185166	20.353	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	186306	20.398	ug/l	98
77) Bromobenzene	12.55	156	311047	21.051	ug/l	88
78) n-propylbenzene	12.64	91	1557726	22.435	ug/l	97
79) 2-Chlorotoluene	12.71	91	842411	22.152	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	980276	22.675	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	50478	19.413	ug/l #	85
82) 4-Chlorotoluene	12.82	91	961906	22.518	ug/l	93
83) tert-Butylbenzene	13.05	119	1090360	22.718	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	967739	22.414	ug/l	97
85) sec-Butylbenzene	13.23	105	1349923	22.925	ug/l	96
86) p-Isopropyltoluene	13.35	119	1091535	23.018	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	582807	22.169	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	571874	22.274	ug/l	97
89) n-Butylbenzene	13.65	91	1101085	21.251	ug/l	97
90) Hexachloroethane	13.86	117	255113	22.688	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	475286	22.011	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	20519	18.685	ug/l	96

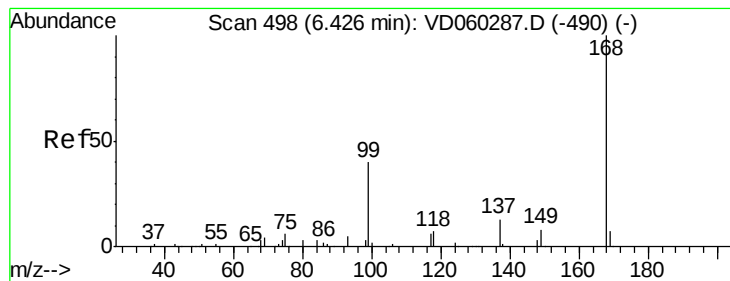
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112918\
Data File : VD060461.D
Acq On : 29 Nov 2018 12:08
Operator : VA/AP
Sample : VD1129SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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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	14.79	180	370186	21.623	ug/l	99
94) Hexachlorobutadiene	14.88	225	278311	21.734	ug/l	97
95) Naphthalene	14.97	128	427562	20.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	289644	21.113	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

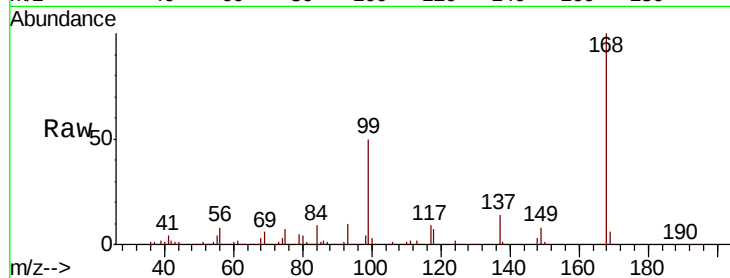
VD1129SBSD01

Tot Ion:168 Resp: 1373412

Ion Ratio Lower Upper

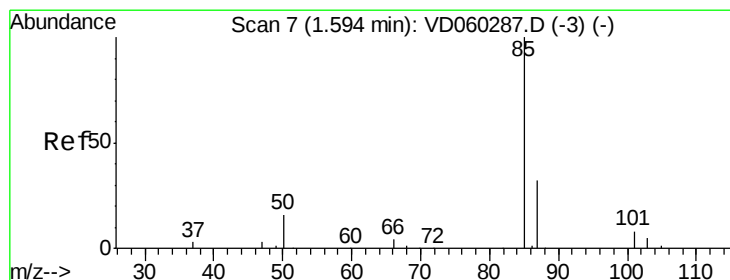
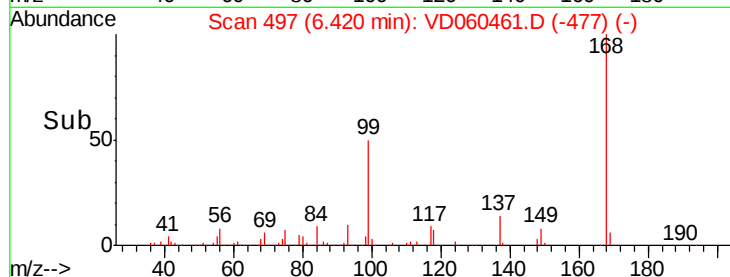
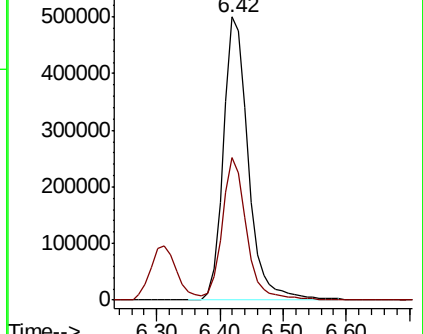
168 100

99 50.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.311 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060461.D

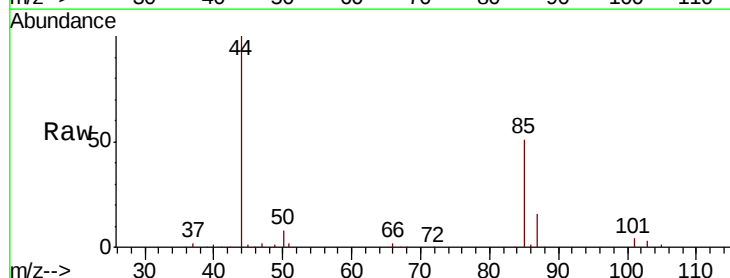
Acq: 29 Nov 2018 12:08

Tgt Ion: 85 Resp: 257899

Ion Ratio Lower Upper

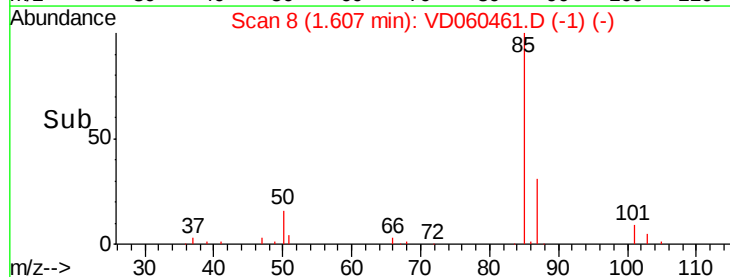
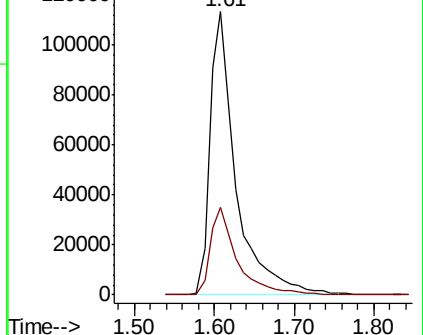
85 100

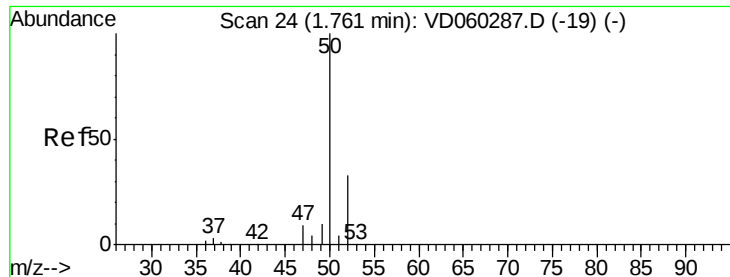
87 30.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.071 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

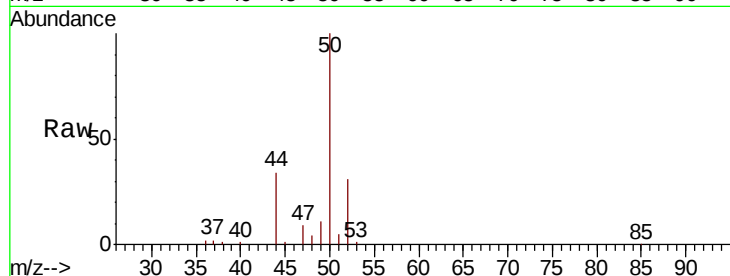
VD1129SBS01

Tot Ion: 50 Resp: 261111

Ion Ratio Lower Upper

50 100

52 31.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

100000

80000

60000

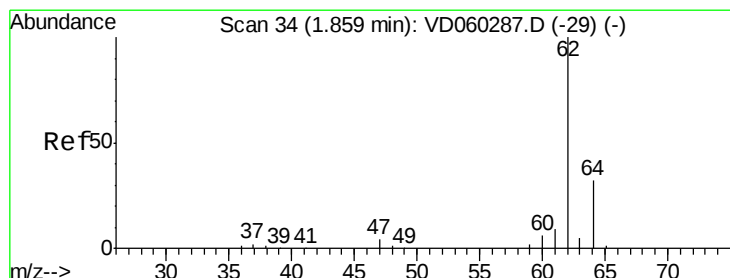
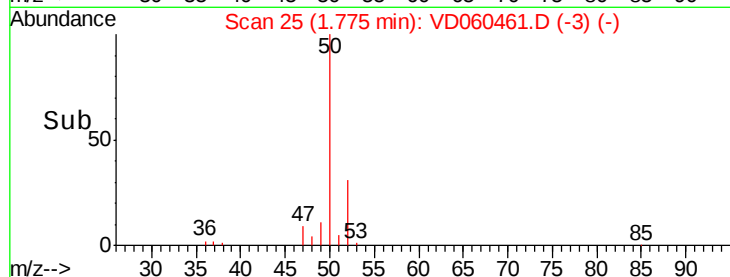
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 21.006 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060461.D

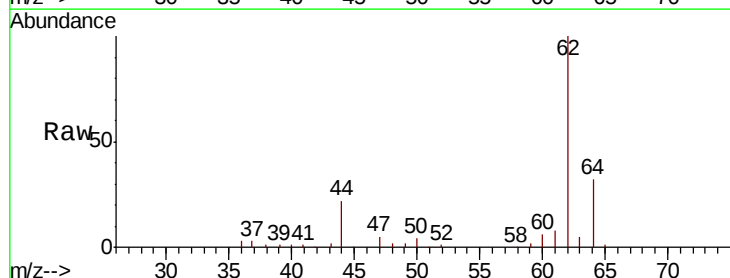
Acq: 29 Nov 2018 12:08

Tgt Ion: 62 Resp: 223178

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

120000

100000

80000

60000

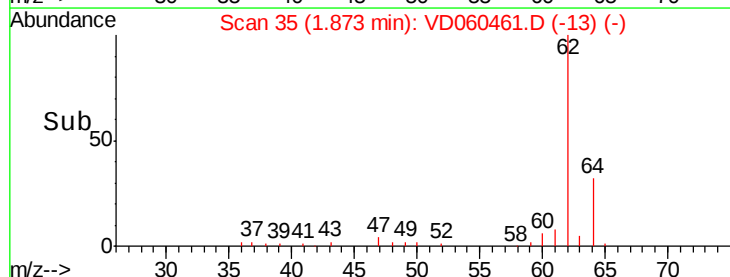
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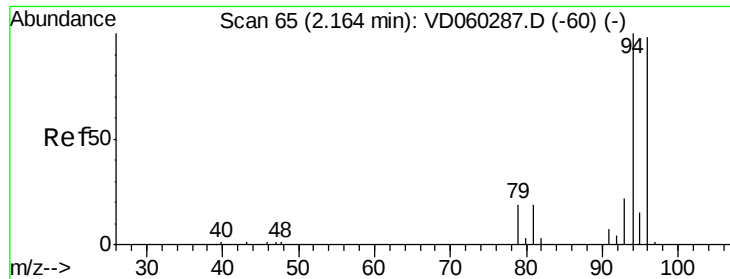
20000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 18.178 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

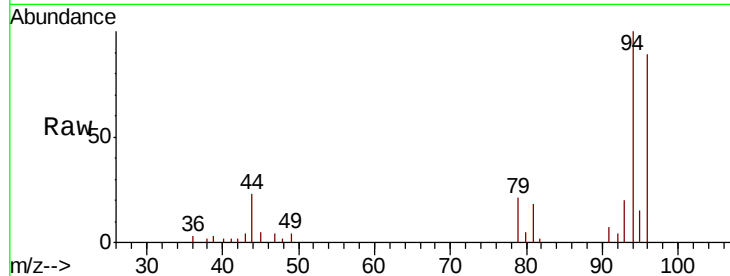
VD1129SBS01

Tot Ion: 94 Resp: 45821

Ion Ratio Lower Upper

94 100

96 89.2 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

20000

15000

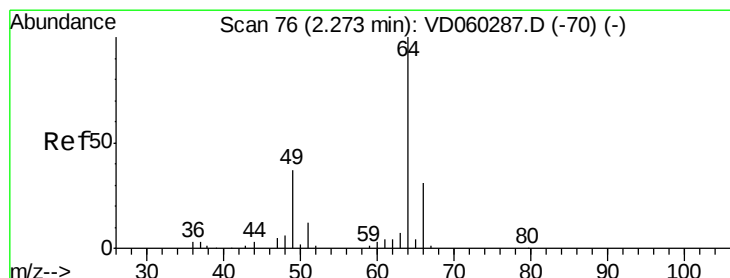
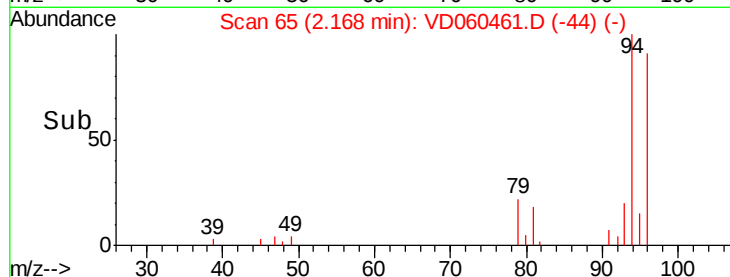
10000

5000

0

Time-->

2.10 2.20 2.30 2.40



#6

Chloroethane

Concen: 19.248 ug/l

RT: 2.28 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060461.D

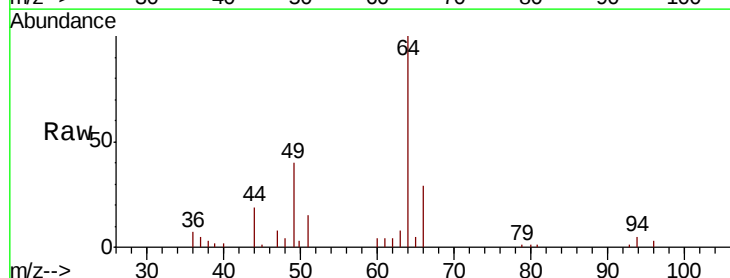
Acq: 29 Nov 2018 12:08

Tgt Ion: 64 Resp: 67853

Ion Ratio Lower Upper

64 100

66 28.8 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.28

30000

25000

20000

15000

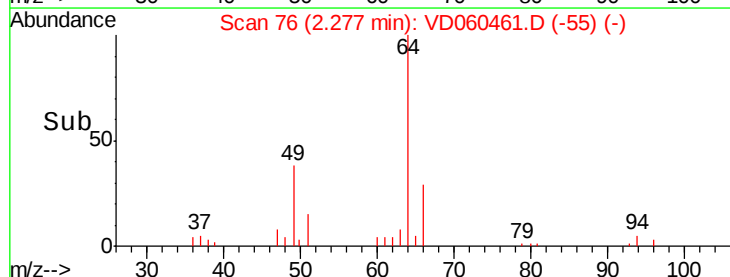
10000

5000

0

Time-->

2.20 2.30 2.40



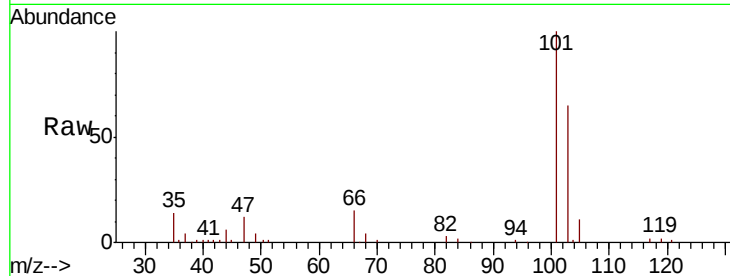


#7

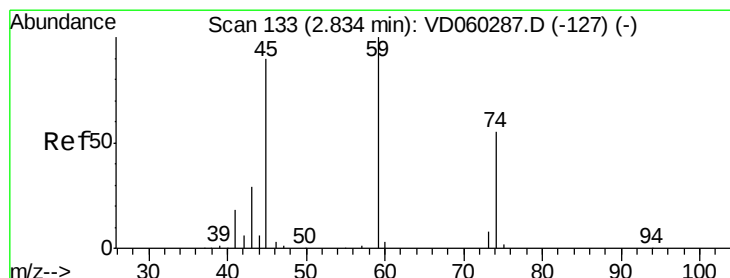
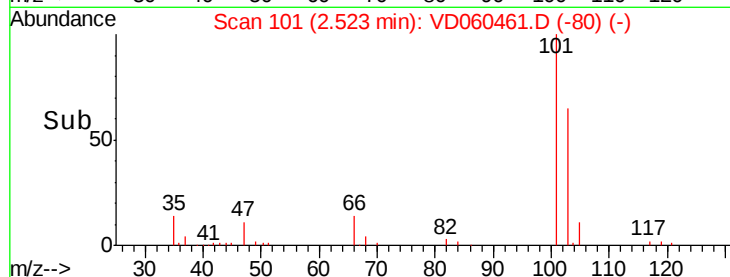
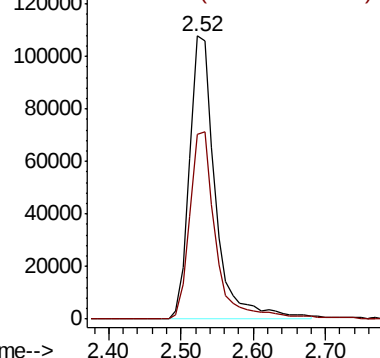
Trichlorofluoromethane
 Concen: 21.294 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBSD01

Tot Ion:101 Resp: 266731
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.6 80.4



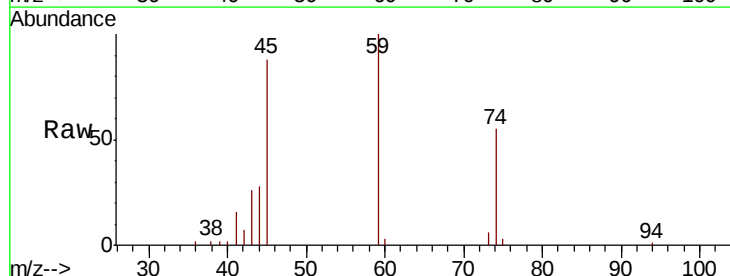
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



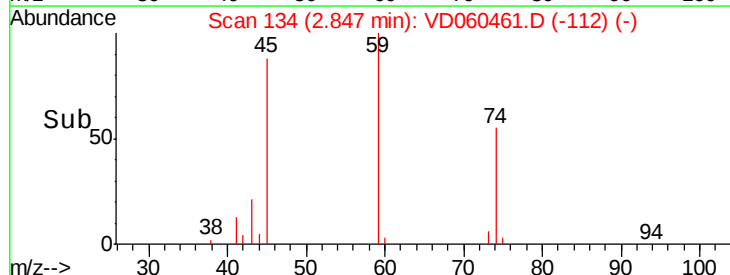
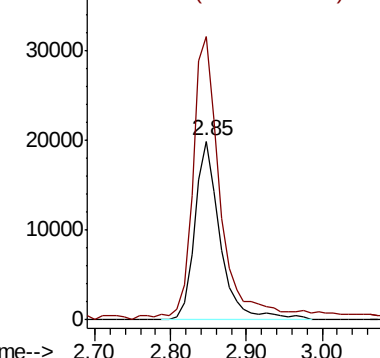
#8

Diethyl Ether
 Concen: 20.430 ug/l
 RT: 2.85 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 74 Resp: 46333
 Ion Ratio Lower Upper
 74 100
 45 158.4 84.8 254.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.111 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

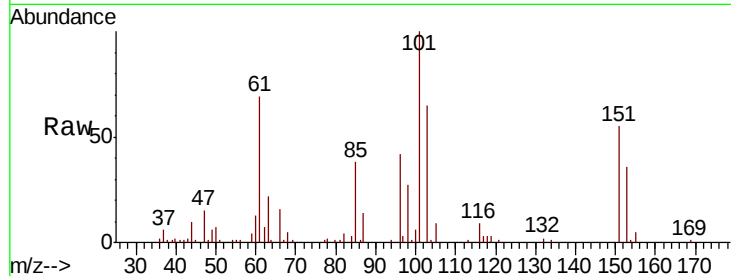
Tot Ion:101 Resp: 182165

Ion Ratio Lower Upper

101 100

85 37.9 31.4 47.0

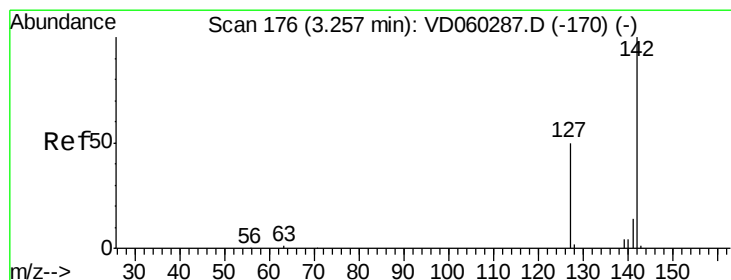
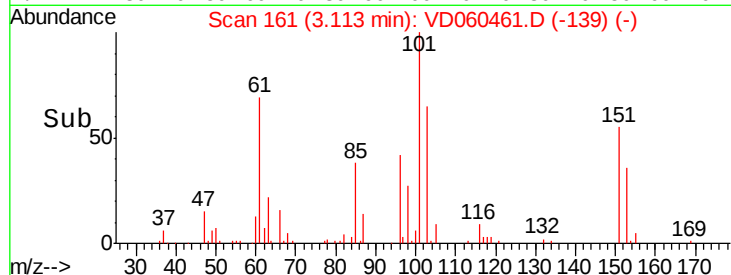
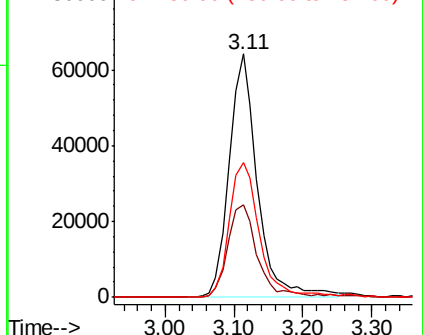
151 55.5 47.4 71.0



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: 17.817 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

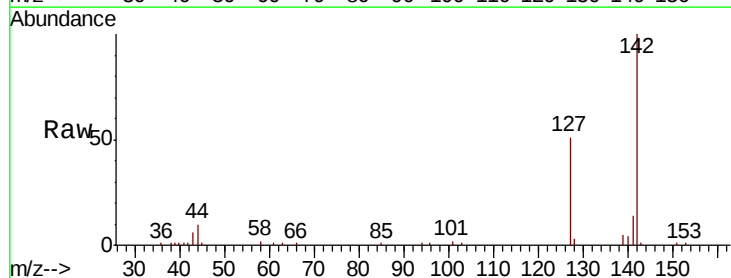
Tgt Ion:142 Resp: 190648

Ion Ratio Lower Upper

142 100

127 51.5 41.0 61.6

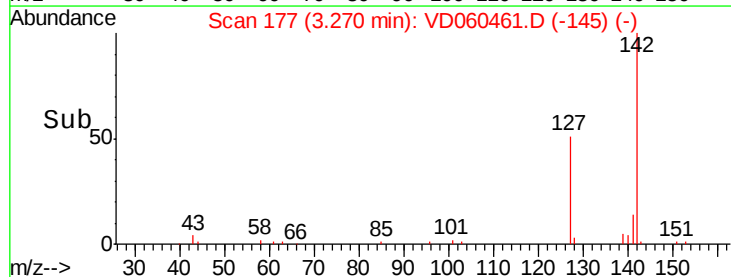
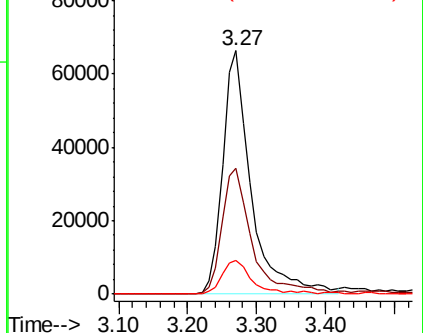
141 14.0 11.9 17.9

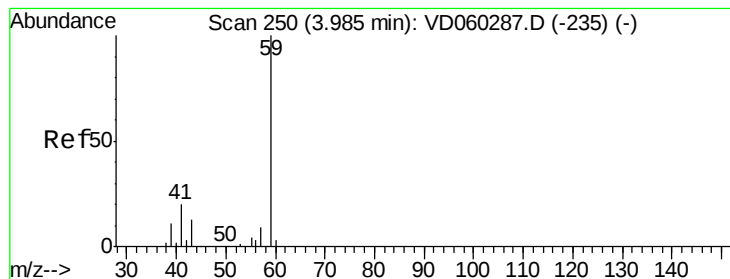


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



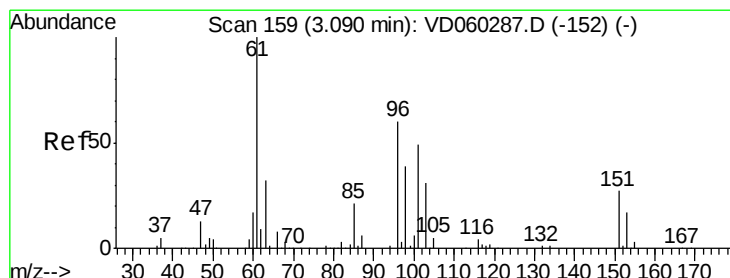
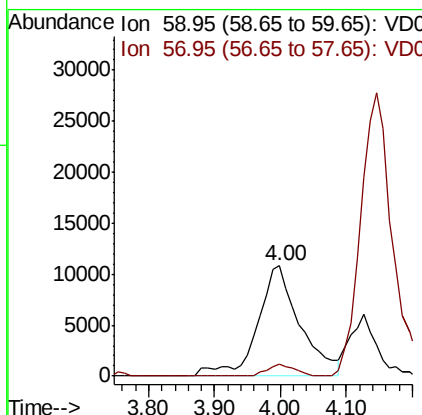
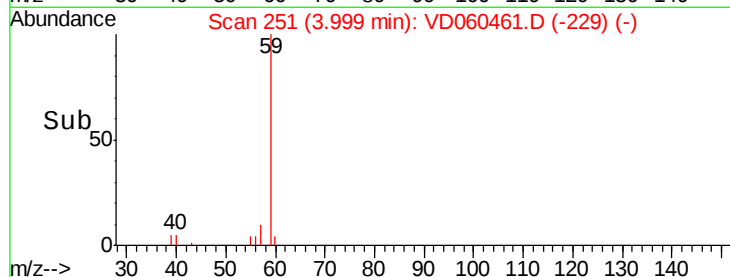
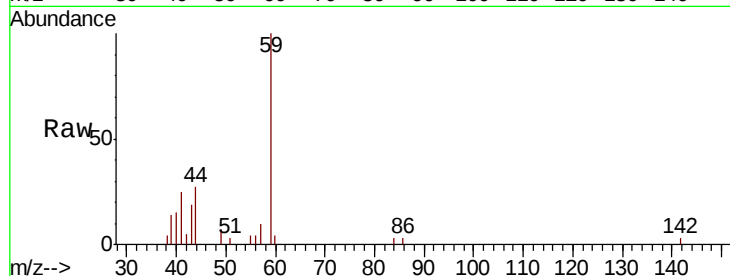


#11

Tert butyl alcohol
Concen: 120.108 ug/l
RT: 4.00 min Scan# 251
Delta R.T. 0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

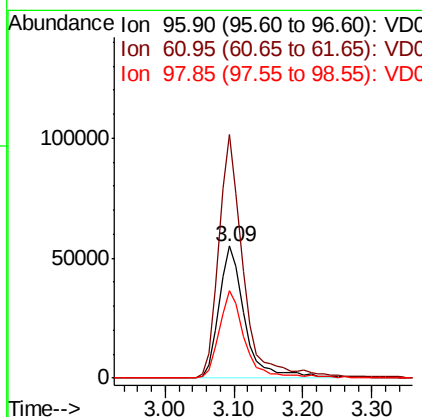
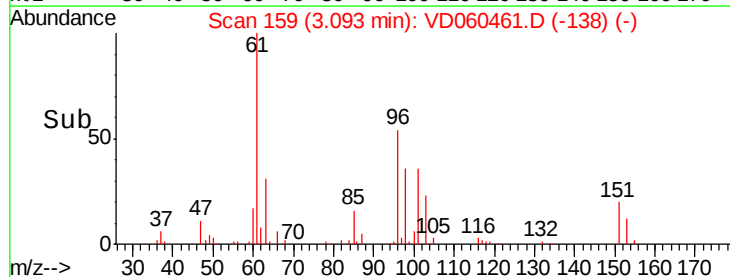
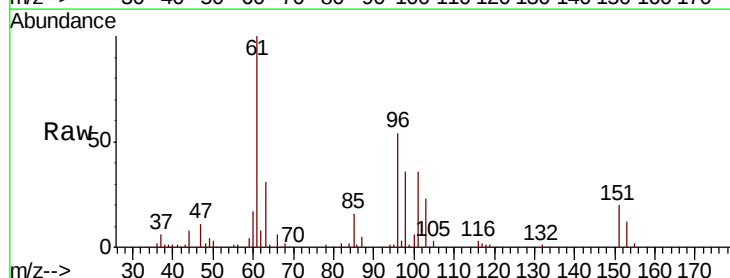
Tot Ion: 59 Resp: 48501
Ion Ratio Lower Upper
59 100
57 10.5 9.3 13.9

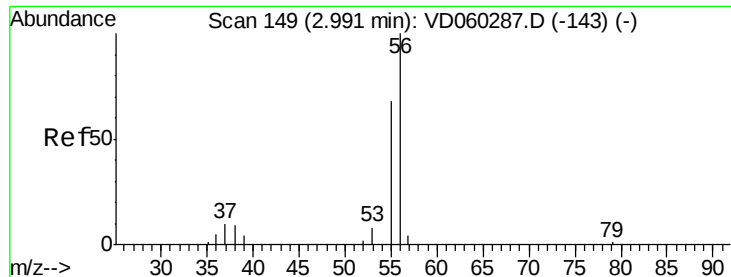


#12

1,1-Dichloroethene
Concen: 21.296 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 96 Resp: 142712
Ion Ratio Lower Upper
96 100
61 184.8 142.2 213.4
98 66.8 52.6 79.0





#13

Acrolein

Concen: 63.538 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

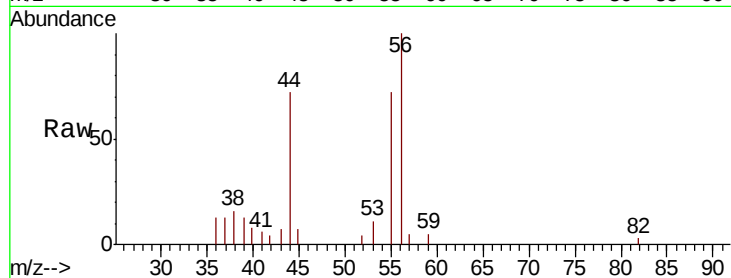
VD1129SBS01

Tot Ion: 56 Resp: 30317

Ion Ratio Lower Upper

56 100

55 71.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.00

12000

10000

8000

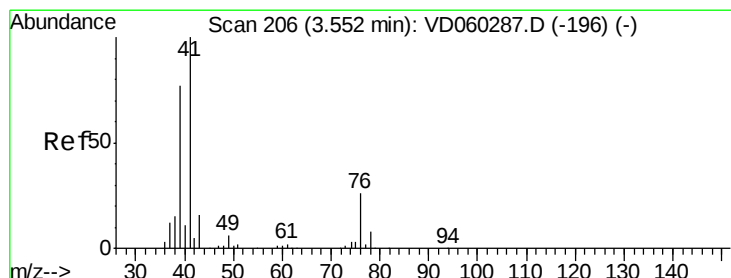
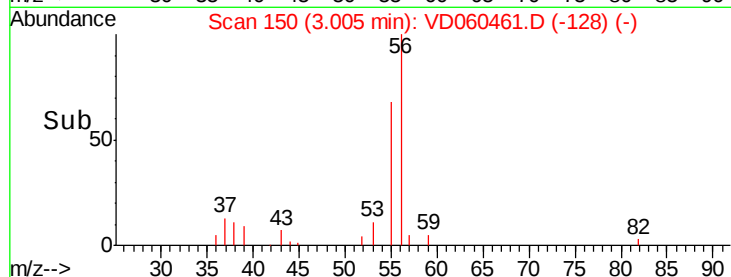
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 21.787 ug/l

RT: 3.56 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

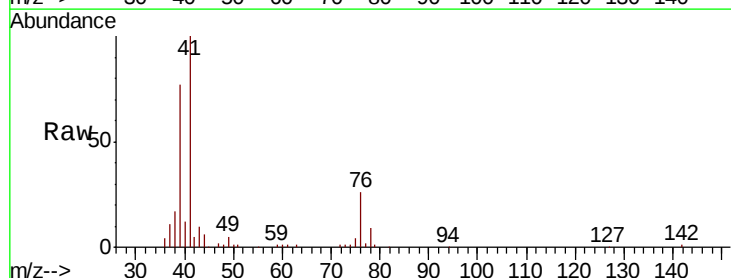
Tgt Ion: 41 Resp: 279358

Ion Ratio Lower Upper

41 100

39 76.7 60.4 90.6

76 26.0 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.56

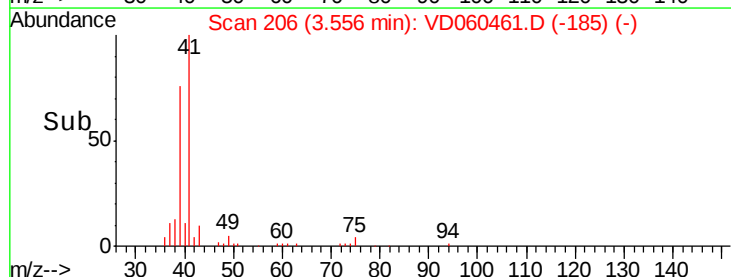
15000

10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 103.276 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

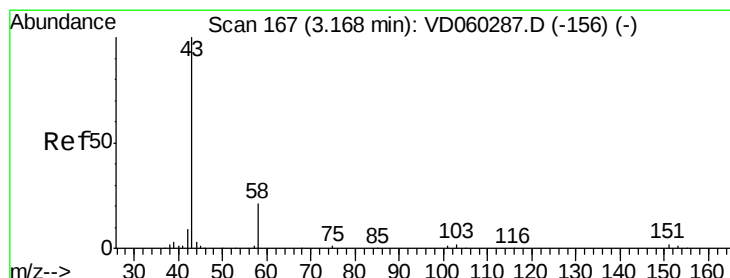
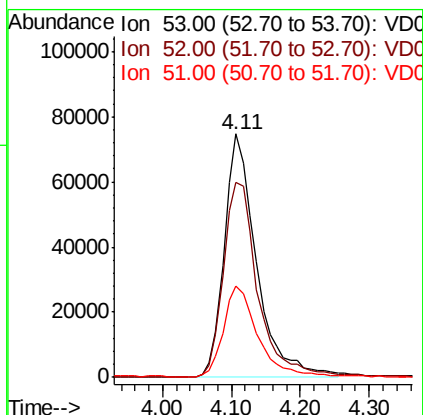
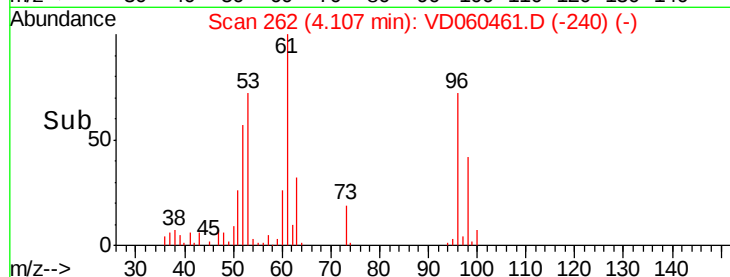
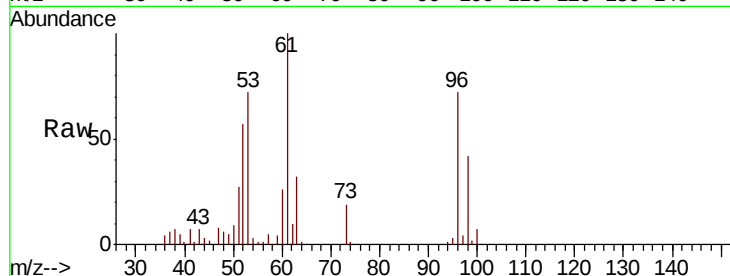
Tot Ion: 53 Resp: 243196

Ion Ratio Lower Upper

53 100

52 80.1 67.0 100.4

51 37.6 29.9 44.9



#16

Acetone

Concen: 101.387 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060461.D

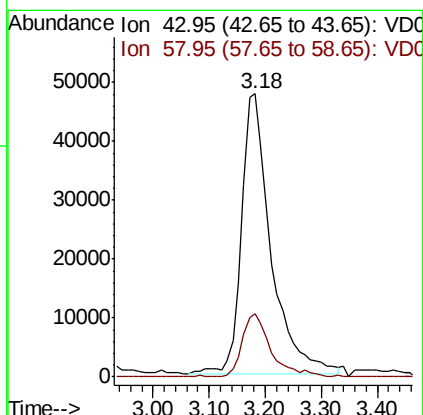
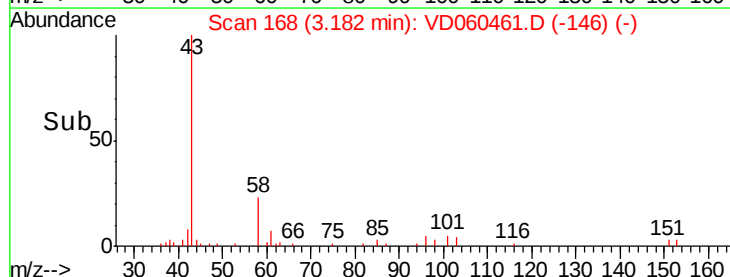
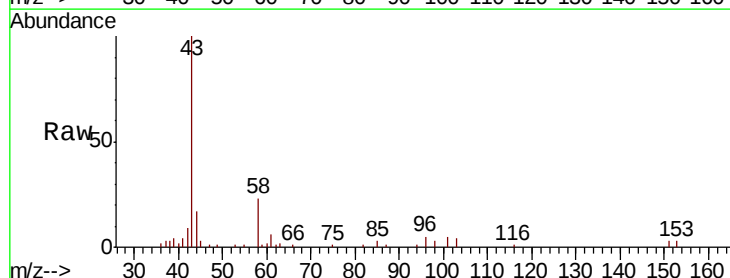
Acq: 29 Nov 2018 12:08

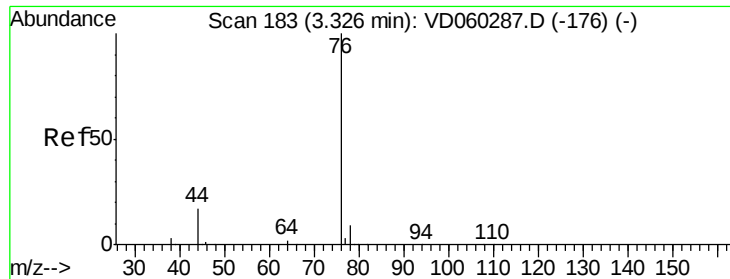
Tgt Ion: 43 Resp: 172945

Ion Ratio Lower Upper

43 100

58 22.5 16.9 25.3

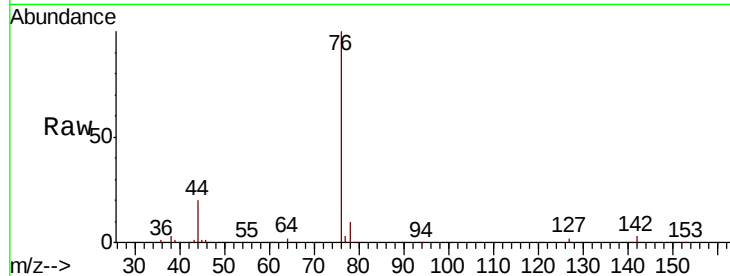




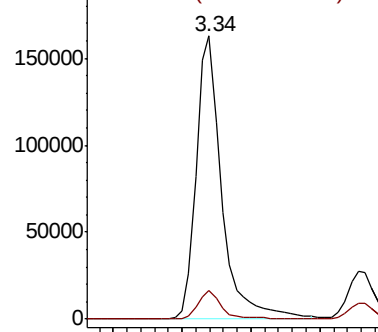
#17
Carbon Disulfide
Concen: 19.357 ug/l
RT: 3.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

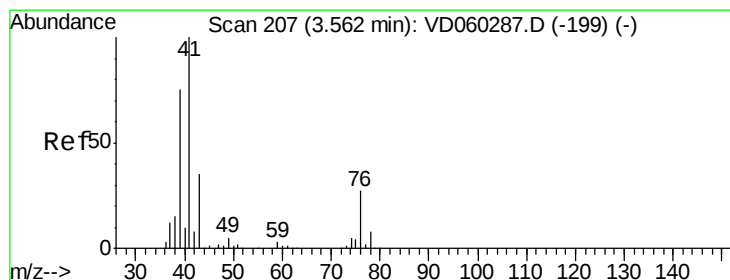
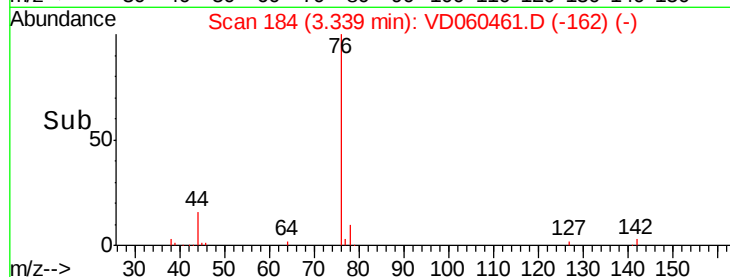
Tot Ion: 76 Resp: 418712
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

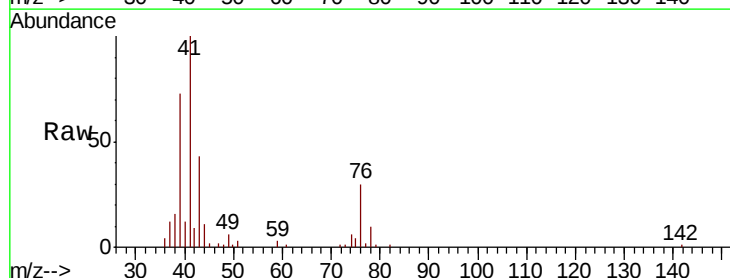


Time-->

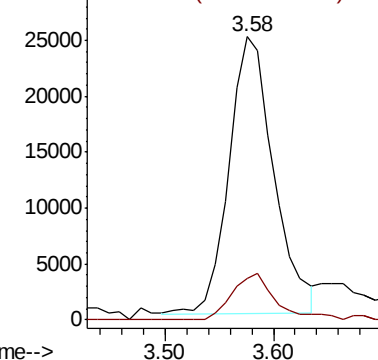


#18
Methyl Acetate
Concen: 19.624 ug/l
RT: 3.58 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

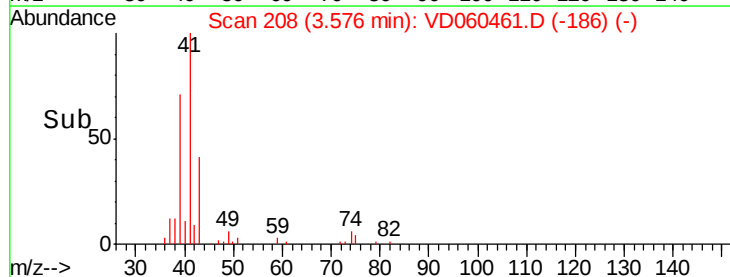
Tgt Ion: 43 Resp: 71376
Ion Ratio Lower Upper
43 100
74 14.8 12.4 18.6

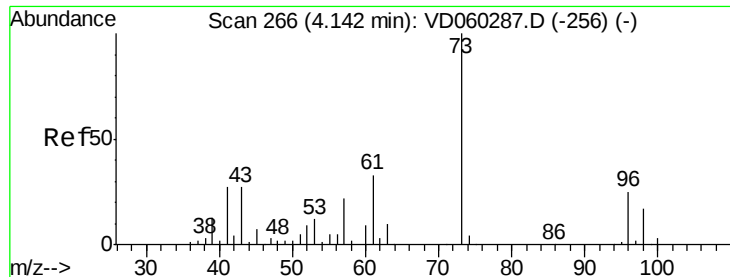


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->

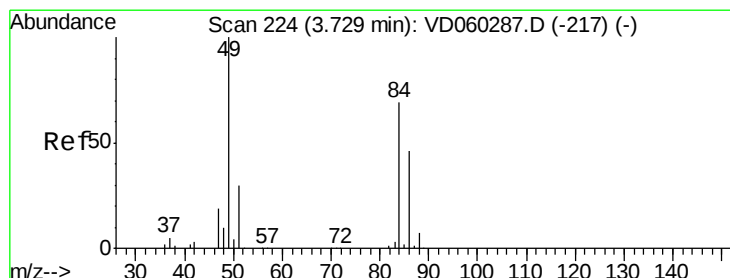
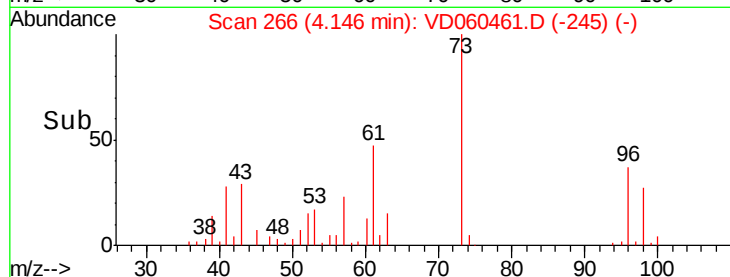
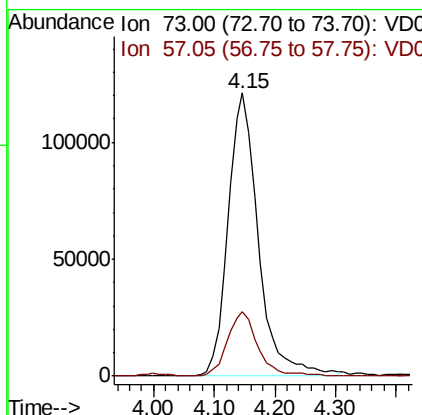
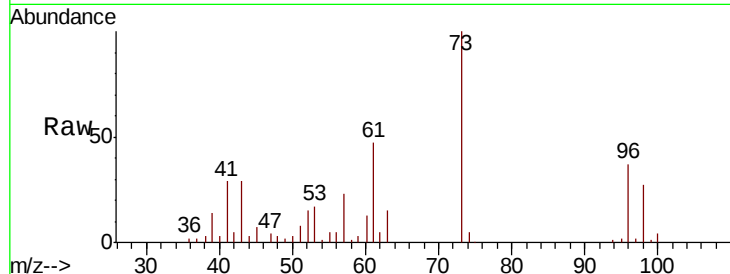




#19
Methyl tert-butyl Ether
Concen: 20.900 ug/l
RT: 4.15 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

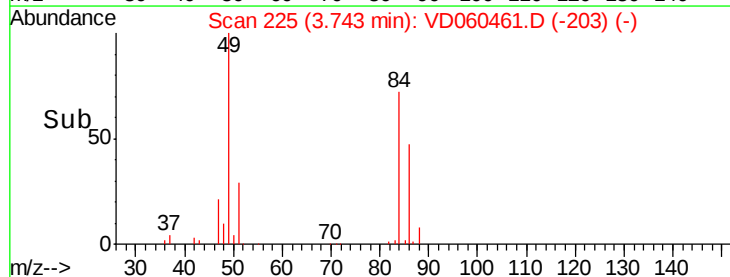
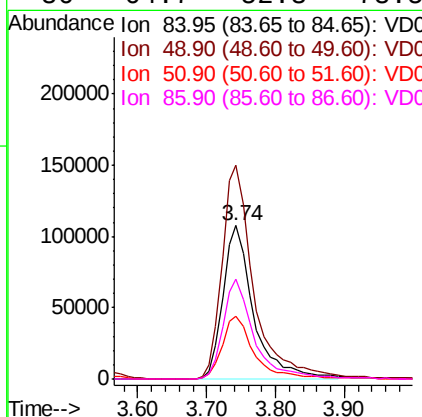
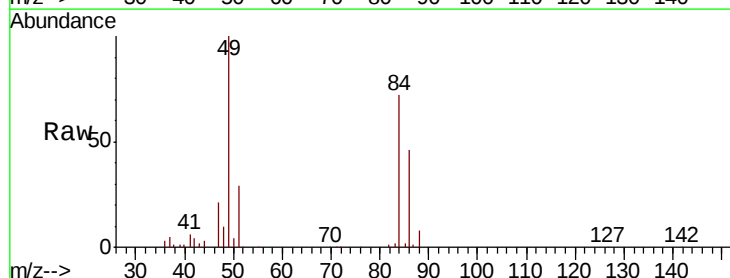
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

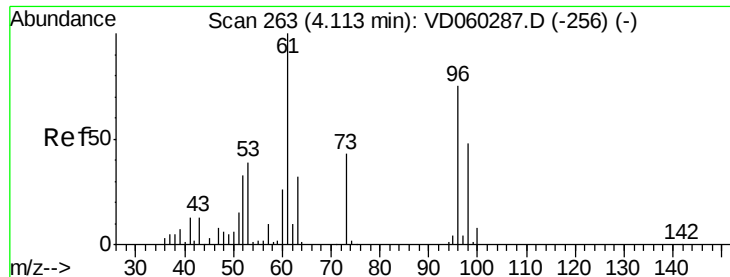
Tot Ion: 73 Resp: 419385
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1



#20
Methylene Chloride
Concen: 21.965 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 84 Resp: 332373
Ion Ratio Lower Upper
84 100
49 139.2 115.6 173.4
51 40.8 35.6 53.4
86 64.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.890 ug/l

RT: 4.13 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

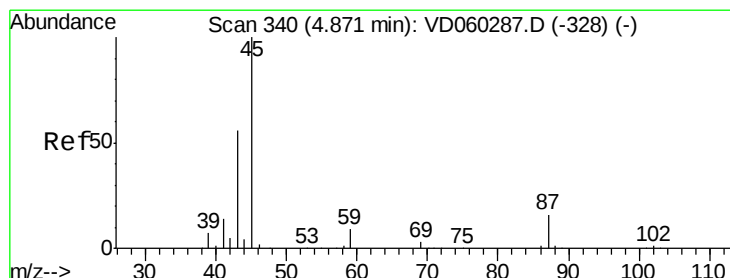
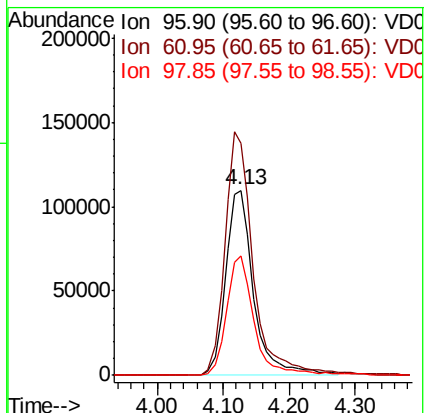
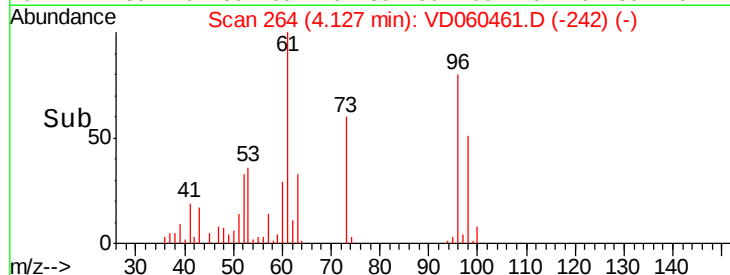
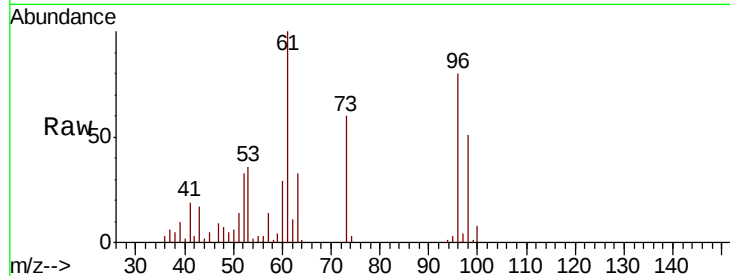
Tot Ion: 96 Resp: 325716

Ion Ratio Lower Upper

96 100

61 125.6 105.8 158.6

98 64.3 50.8 76.2



#22

Diisopropyl ether

Concen: 21.340 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Tgt Ion: 45 Resp: 1022309

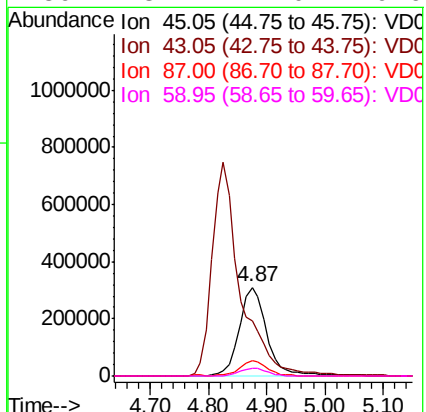
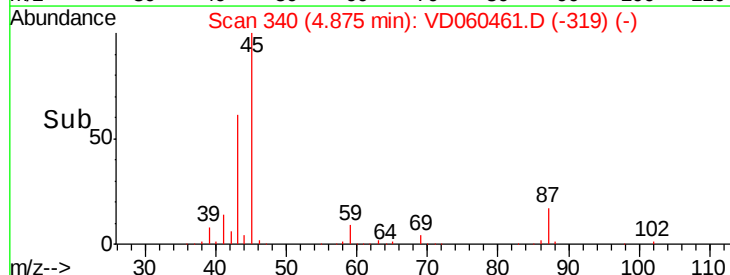
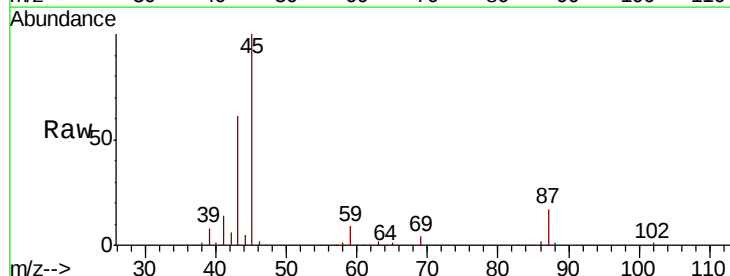
Ion Ratio Lower Upper

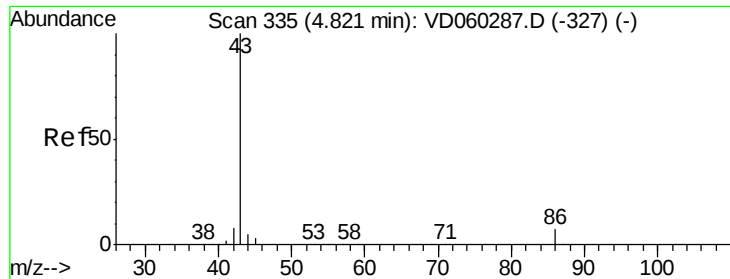
45 100

43 61.5 44.9 67.3

87 17.3 13.9 20.9

59 8.7 7.0 10.6

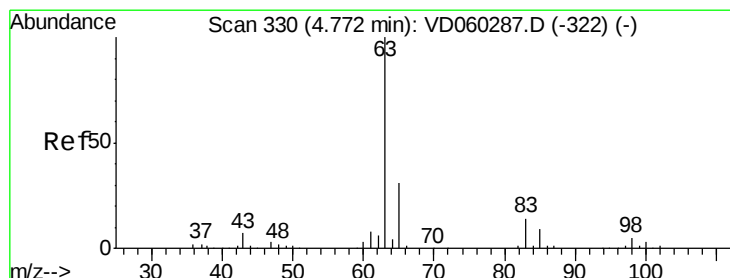
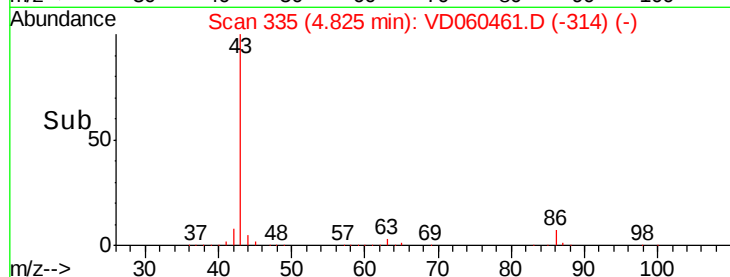
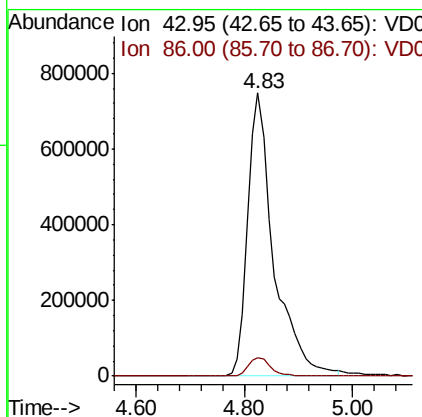
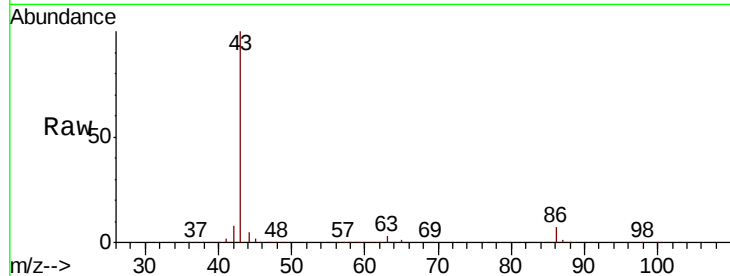




#23
 Vinyl Acetate
 Concen: 104.741 ug/l
 RT: 4.83 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

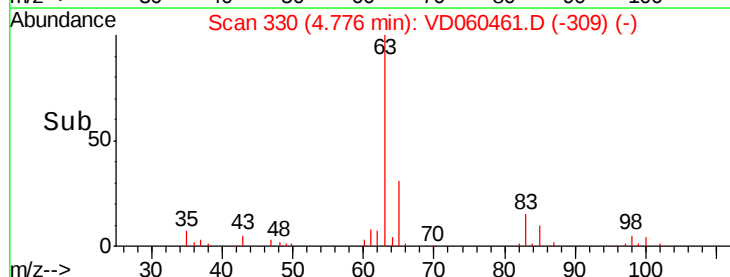
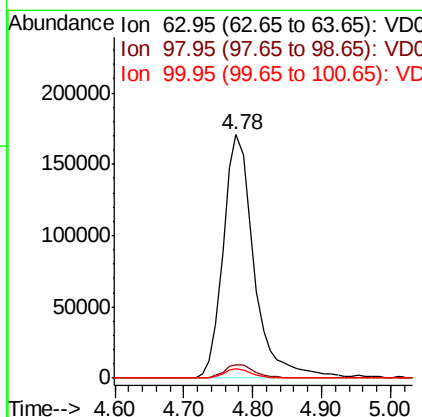
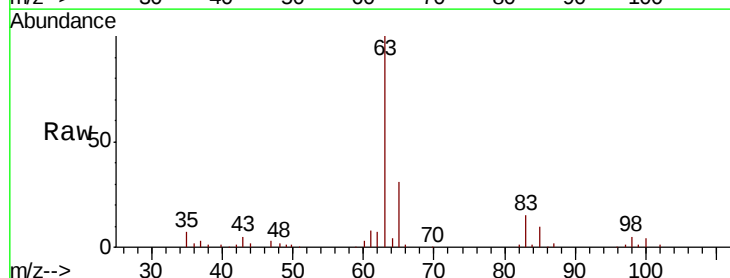
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion: 43 Resp: 2496664
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 21.495 ug/l
 RT: 4.78 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 63 Resp: 528027
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 99.880 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

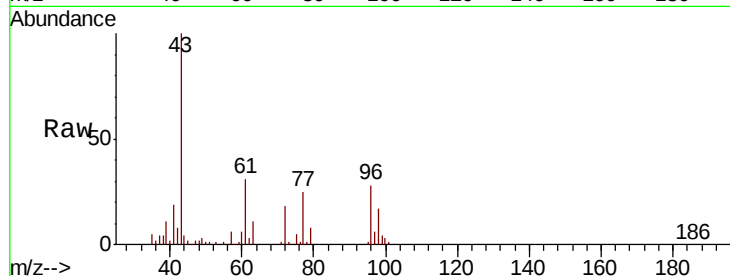
VD1129SBSD01

Tot Ion: 43 Resp: 354133

Ion Ratio Lower Upper

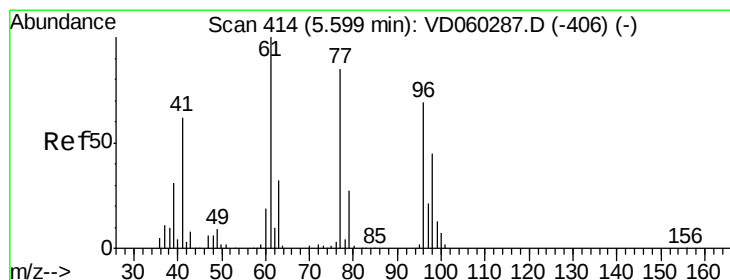
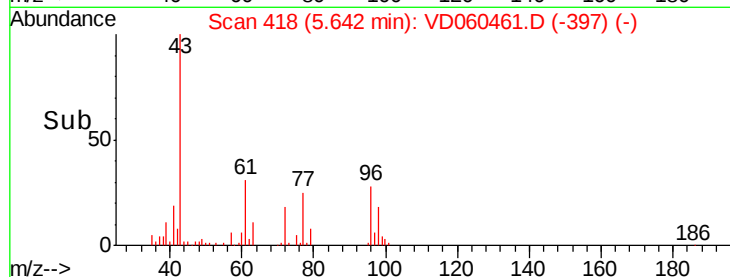
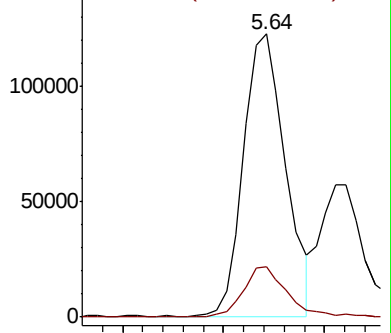
43 100

72 17.8 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: 22.217 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060461.D

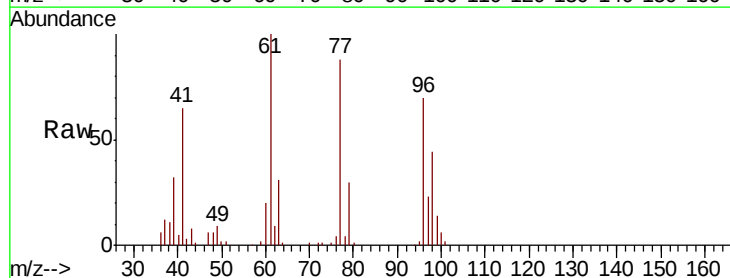
Acq: 29 Nov 2018 12:08

Tgt Ion: 77 Resp: 424324

Ion Ratio Lower Upper

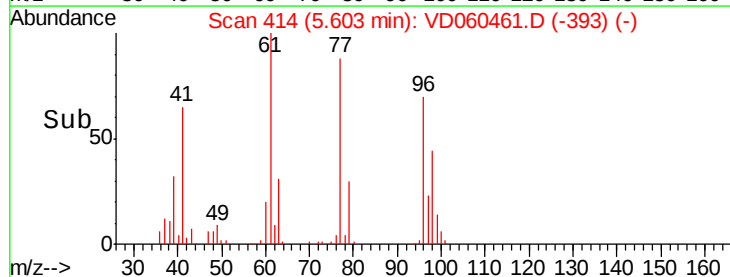
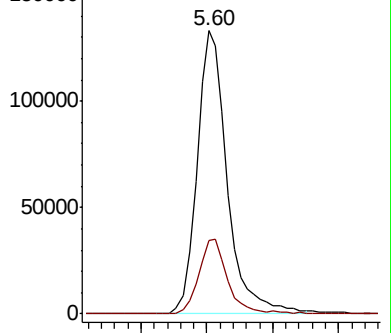
77 100

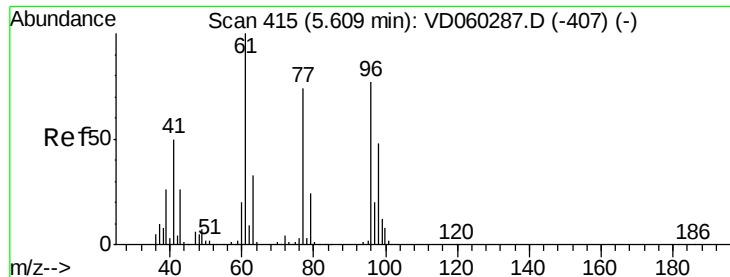
97 26.0 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



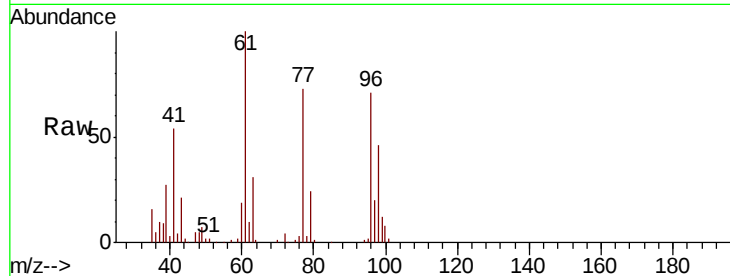


#27

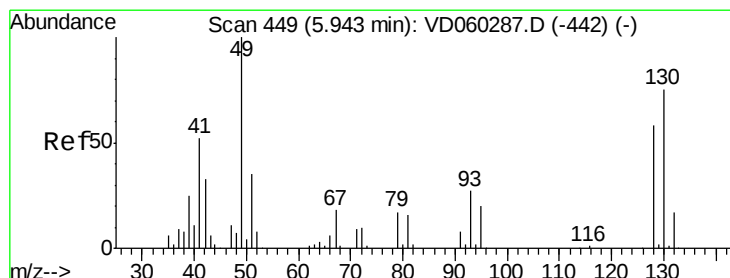
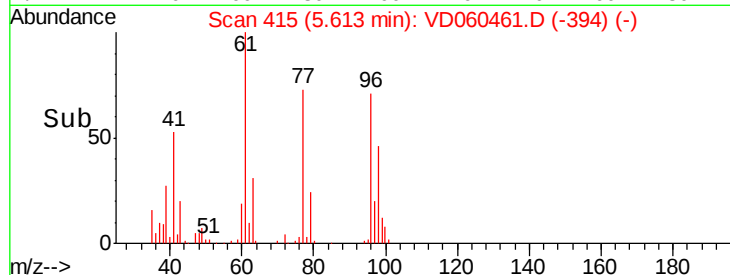
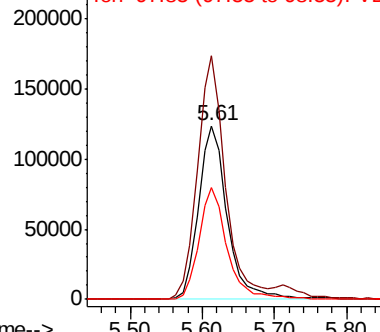
cis-1,2-Dichloroethene
Concen: 22.049 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

Tot Ion: 96 Resp: 341788
Ion Ratio Lower Upper
96 100
61 140.4 0.0 259.0
98 64.3 0.0 128.8



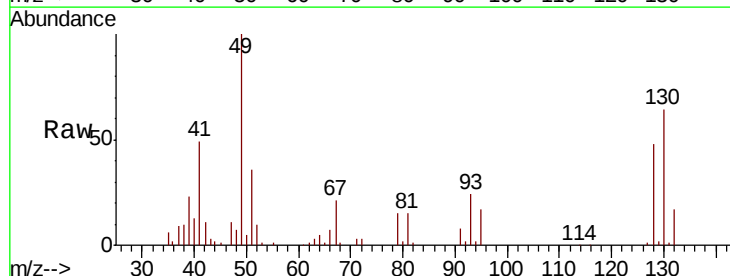
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



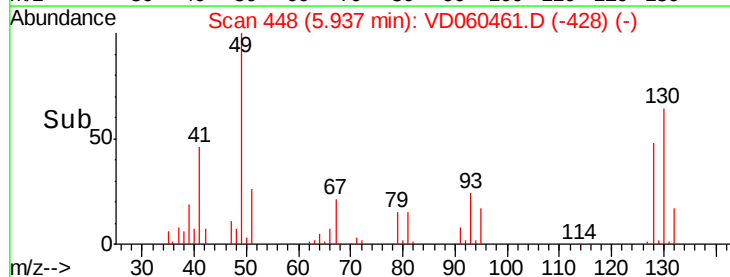
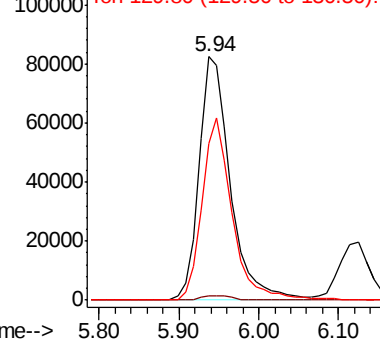
#28

Bromochloromethane
Concen: 20.904 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 49 Resp: 226579
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.8
130 64.4 53.6 80.4



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





#29

Tetrahydrofuran

Concen: 98.352 ug/l

RT: 5.98 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

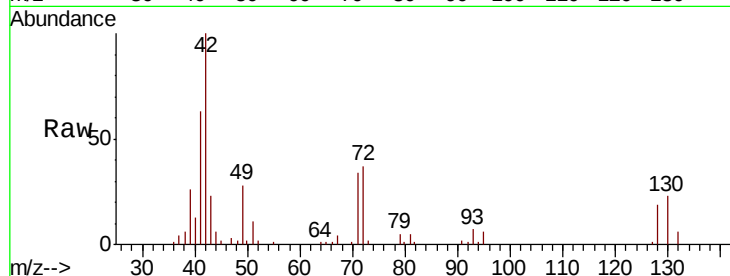
Tot Ion: 42 Resp: 183853

Ion Ratio Lower Upper

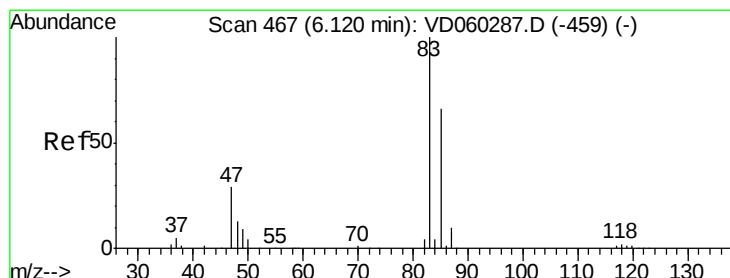
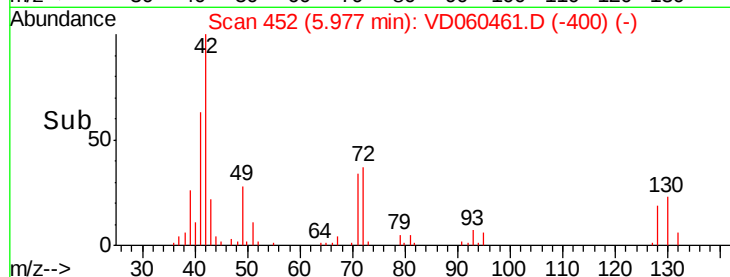
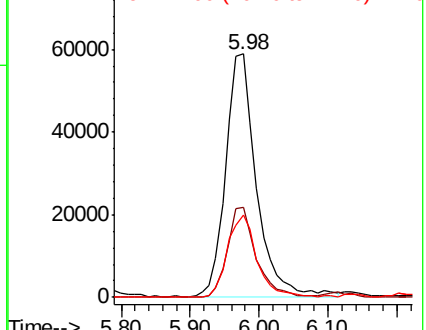
42 100

72 34.2 27.6 41.4

71 32.2 26.5 39.7



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



#30

Chloroform

Concen: 22.018 ug/l

RT: 6.12 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060461.D

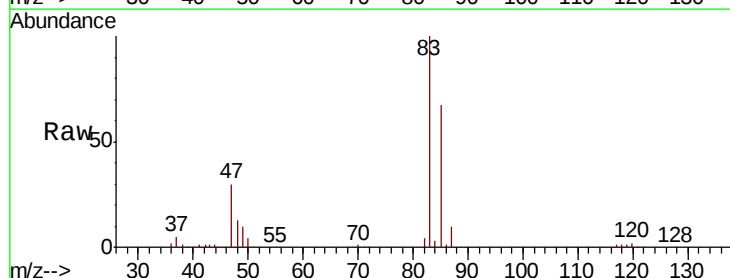
Acq: 29 Nov 2018 12:08

Tgt Ion: 83 Resp: 540734

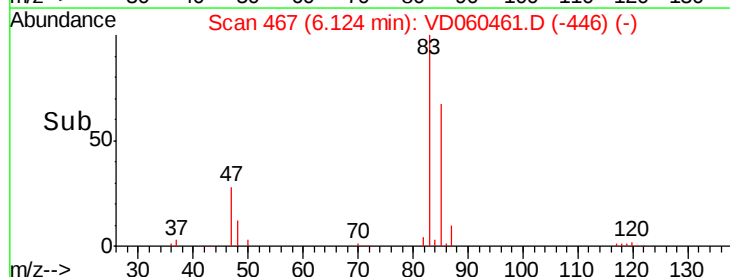
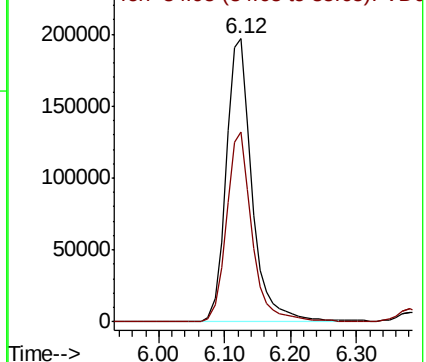
Ion Ratio Lower Upper

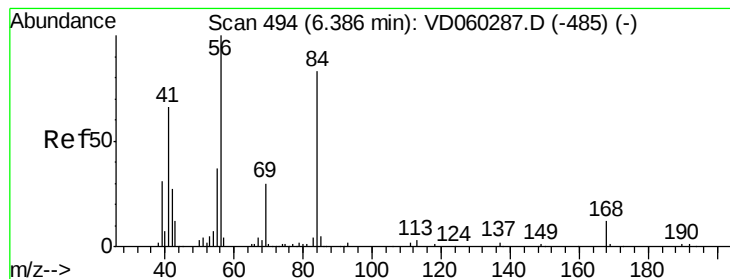
83 100

85 66.9 52.5 78.7



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





#31

Cyclohexane

Concen: 20.576 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

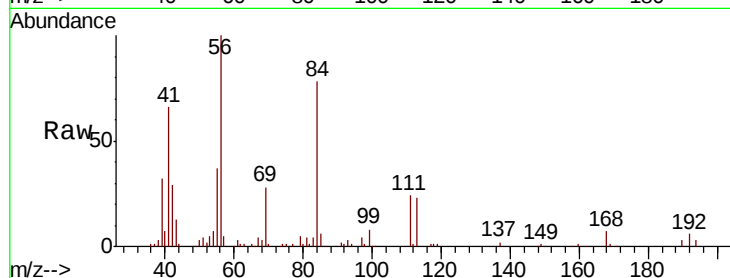
Tot Ion: 56 Resp: 483099

Ion Ratio Lower Upper

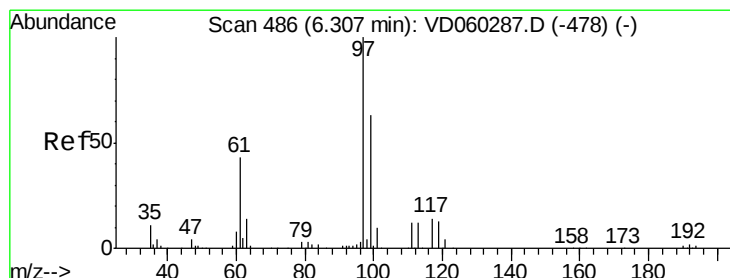
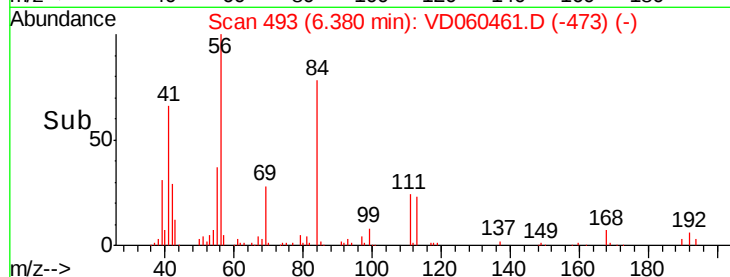
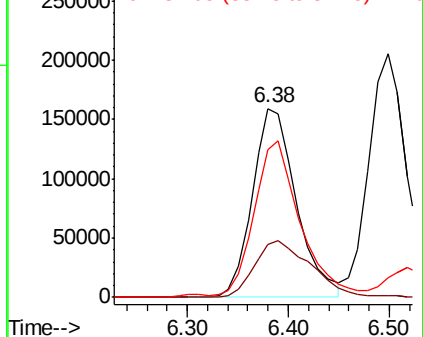
56 100

69 28.0 22.2 33.2

84 78.4 63.0 94.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 21.721 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

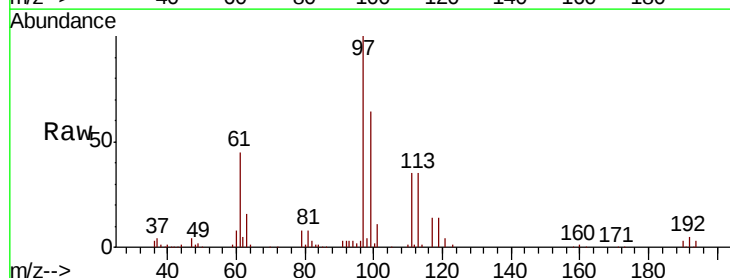
Tgt Ion: 97 Resp: 449337

Ion Ratio Lower Upper

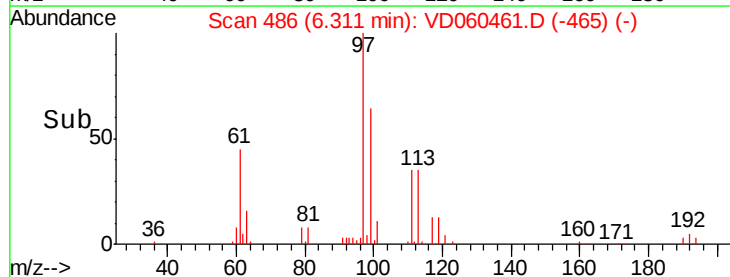
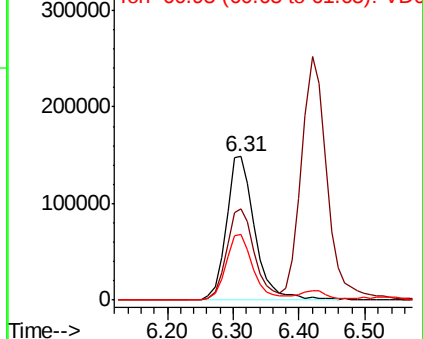
97 100

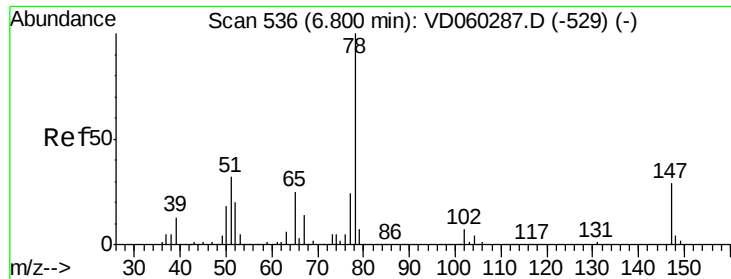
99 63.9 51.5 77.3

61 45.5 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 21.721 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

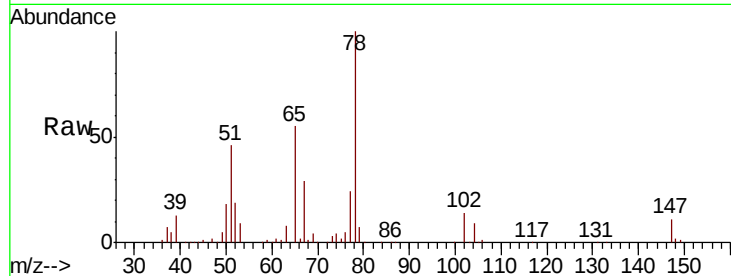
VD1129SBSD01

Tot Ion: 65 Resp: 511606

Ion Ratio Lower Upper

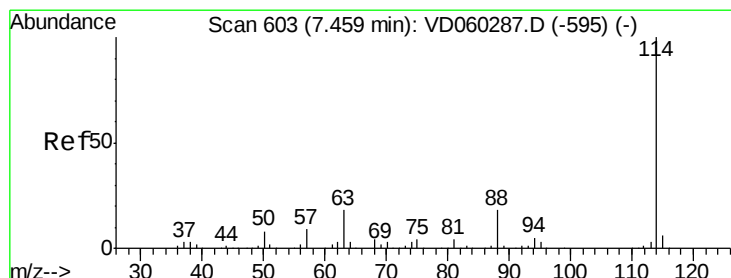
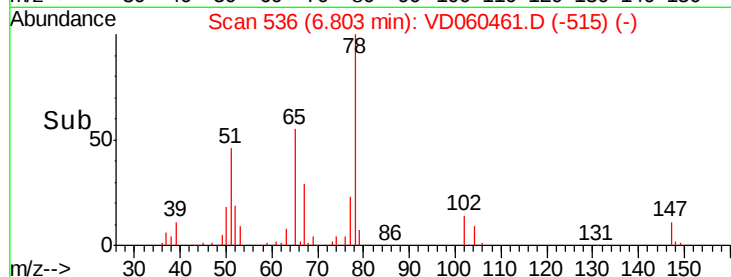
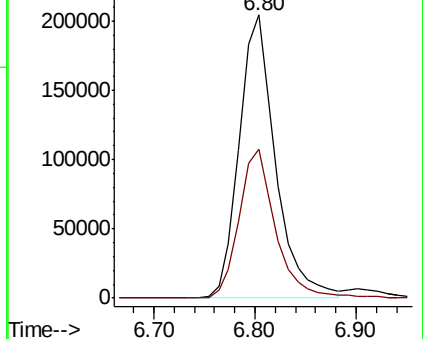
65 100

67 52.6 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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

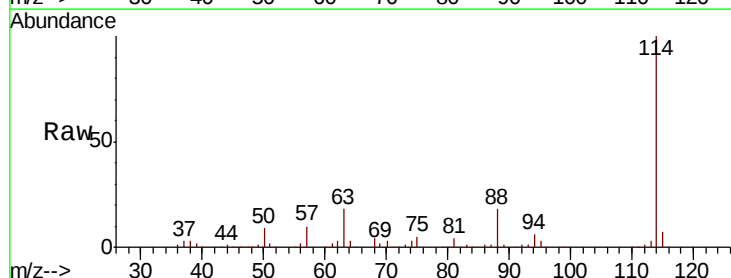
Tgt Ion: 114 Resp: 1881826

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

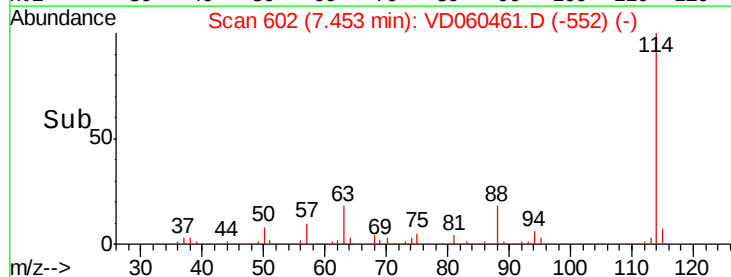
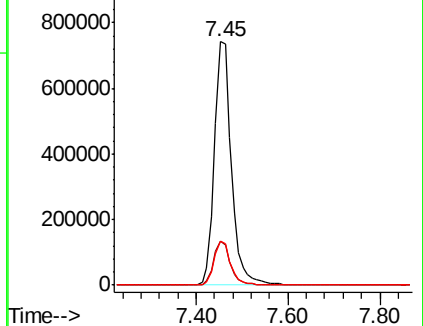
88 18.1 0.0 35.4

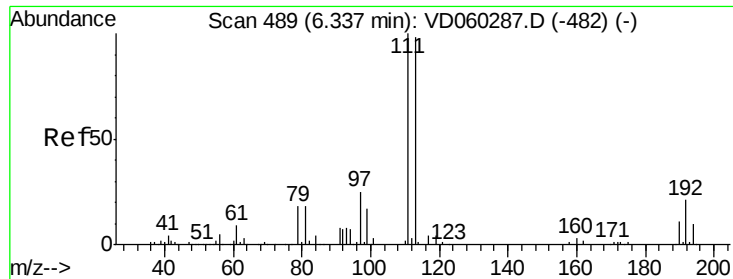


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

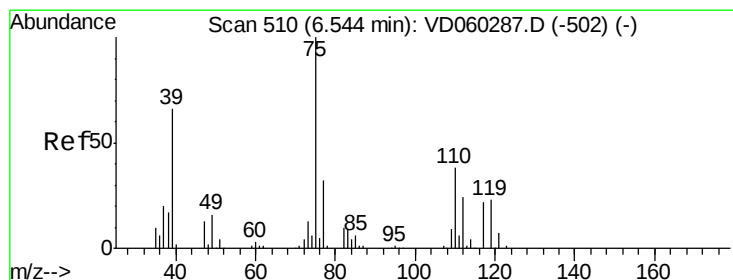
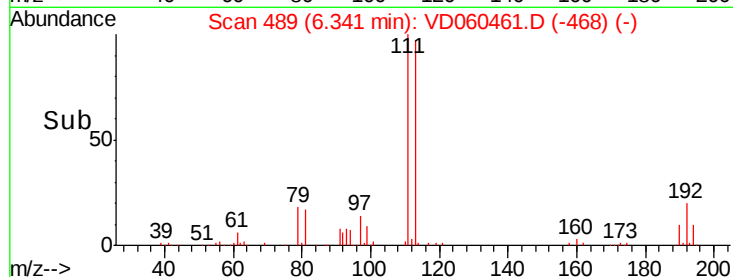
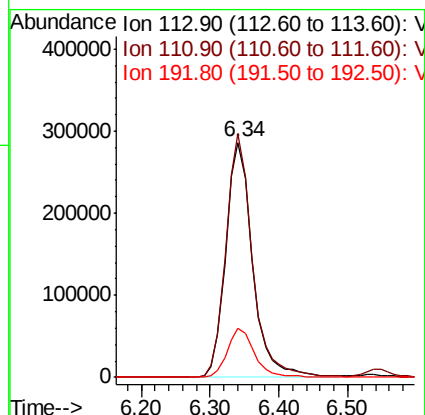
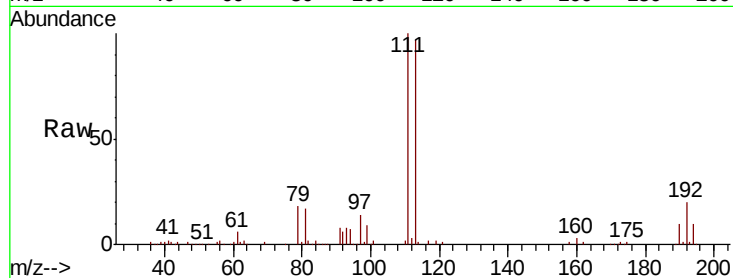




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

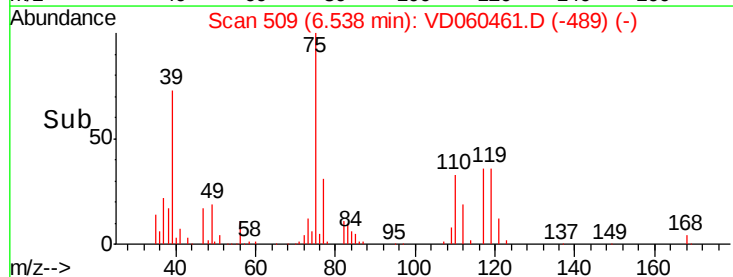
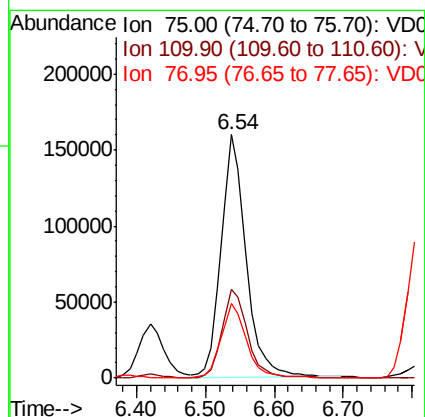
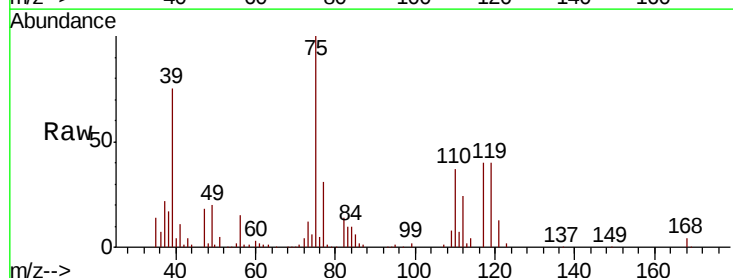
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

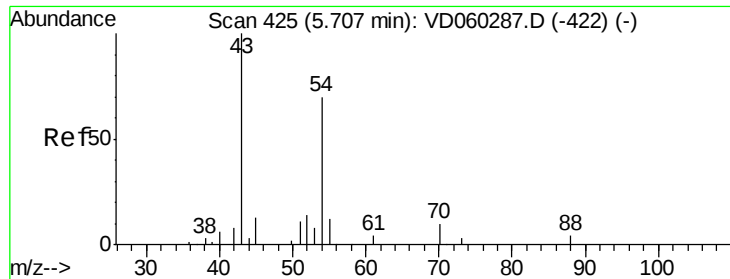
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.6	122.4
192	20.9	16.5	24.7



#36
1,1-Dichloropropene
Concen: 21.625 ug/l
RT: 6.54 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.0	54.0
77	30.6	25.6	38.4

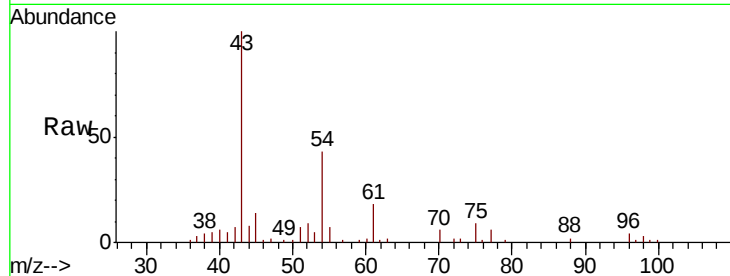




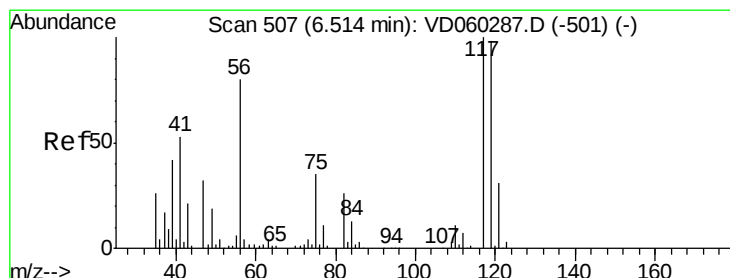
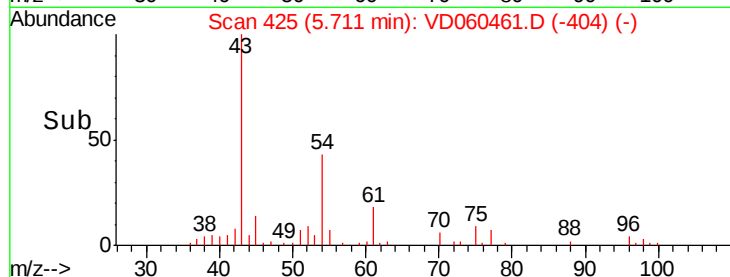
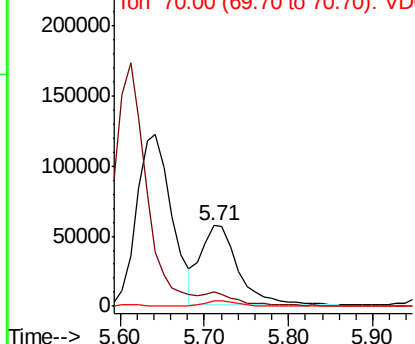
#37
Ethyl Acetate
Concen: 20.245 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion: 43 Resp: 173196
Ion Ratio Lower Upper
43 100
61 17.6 11.8 17.6
70 6.2 6.2 9.4#

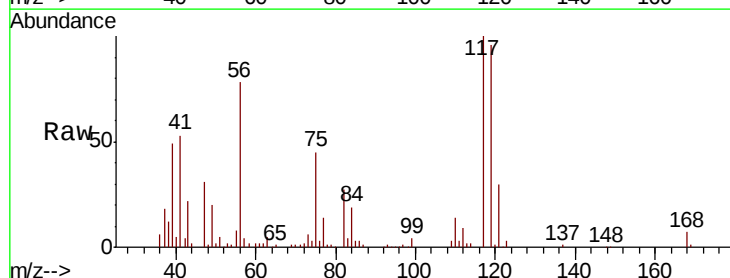


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

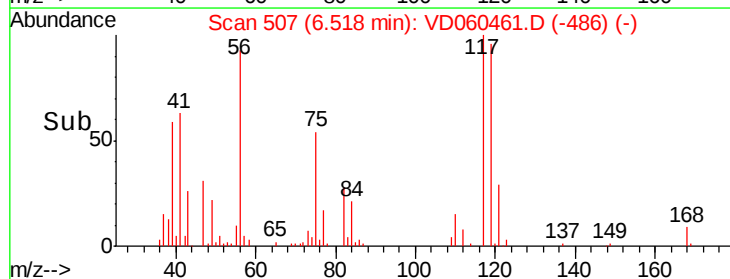
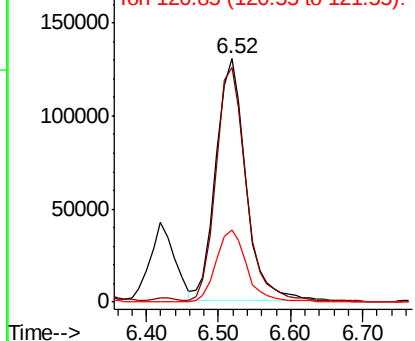


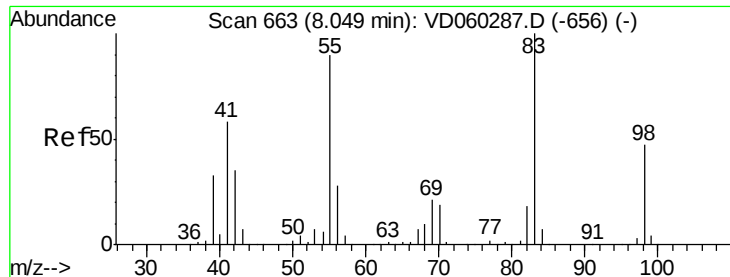
#38
Carbon Tetrachloride
Concen: 21.587 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 117 Resp: 372289
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0
121 29.6 24.3 36.5



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

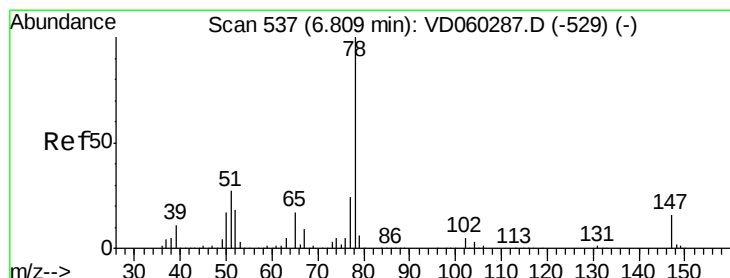
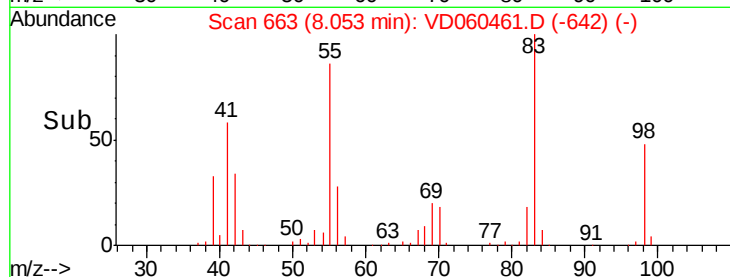
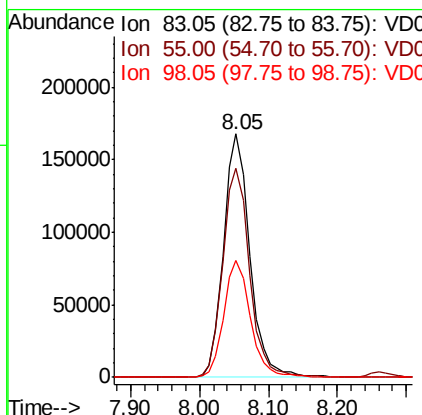
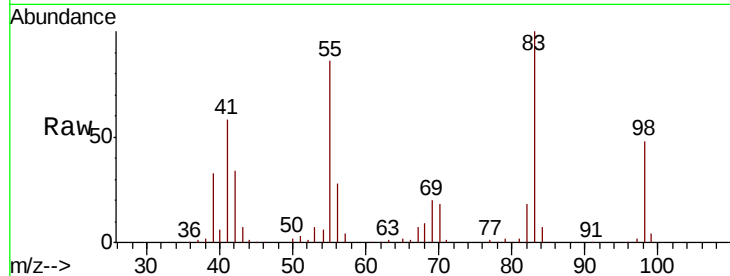




#39
Methvlcvclohexane
Concen: 20.800 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

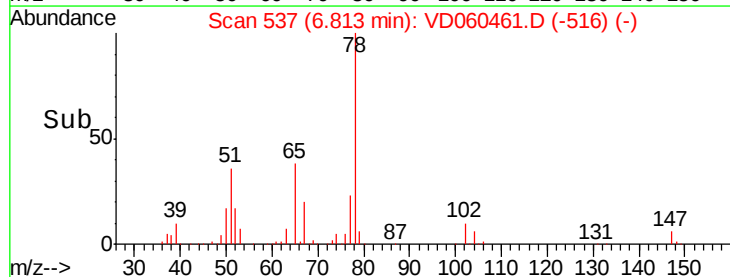
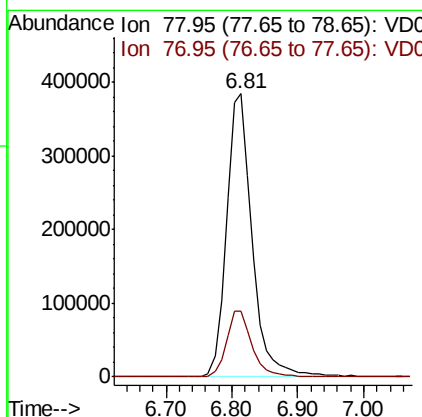
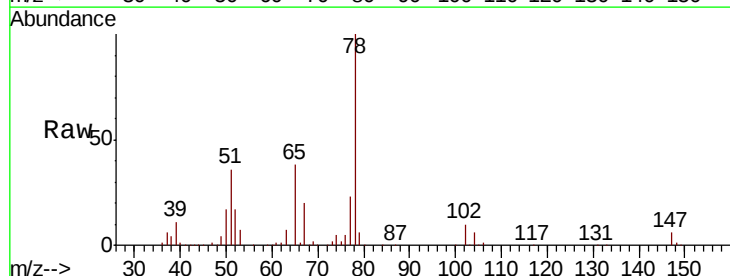
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

Tot Ion: 83 Resp: 444776
Ion Ratio Lower Upper
83 100
55 86.0 71.2 106.8
98 47.8 38.4 57.6



#40
Benzene
Concen: 21.989 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 78 Resp: 1043529
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

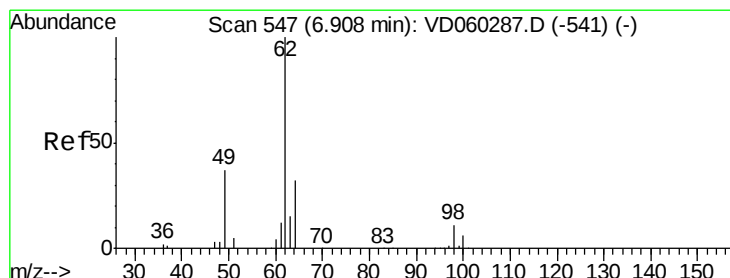
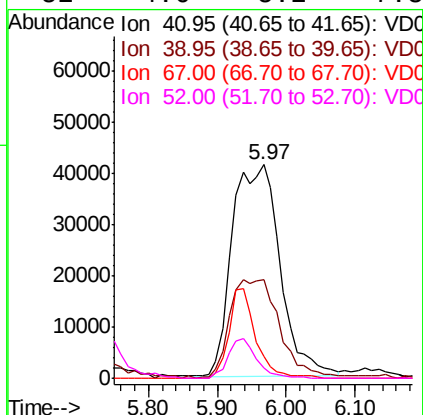
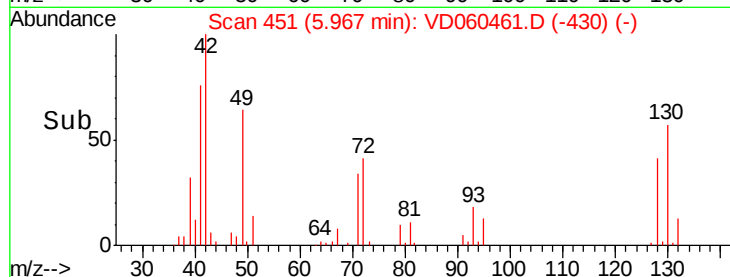
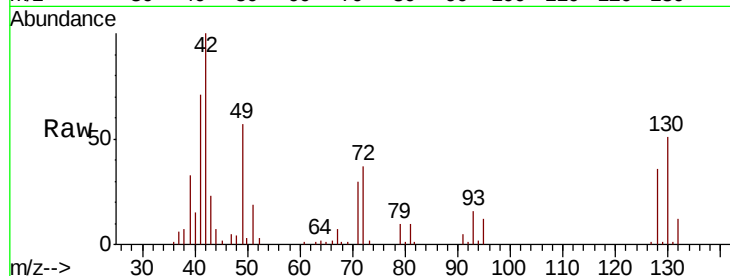




#41
Methacrylonitrile
Concen: 20.487 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

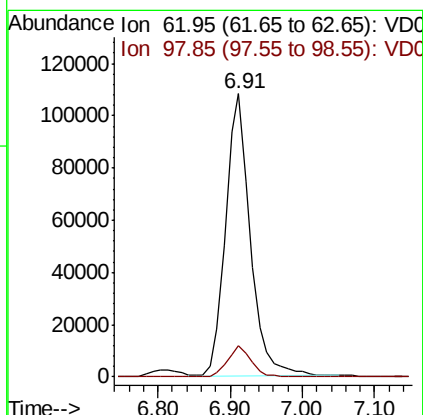
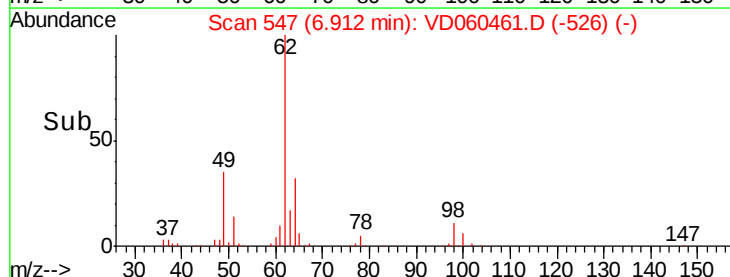
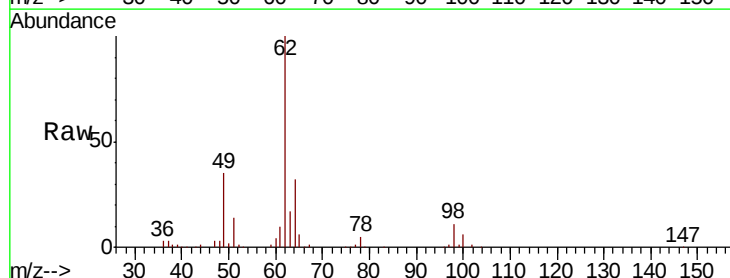
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

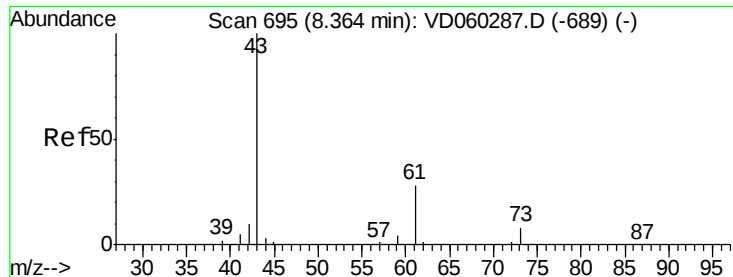
Tot Ion: 41 Resp: 200608
Ion Ratio Lower Upper
41 100
39 45.9 36.2 54.2
67 10.3 11.9 17.9#
52 4.6 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 20.692 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 62 Resp: 257034
Ion Ratio Lower Upper
62 100
98 11.0 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.985 ug/l

RT: 8.36 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

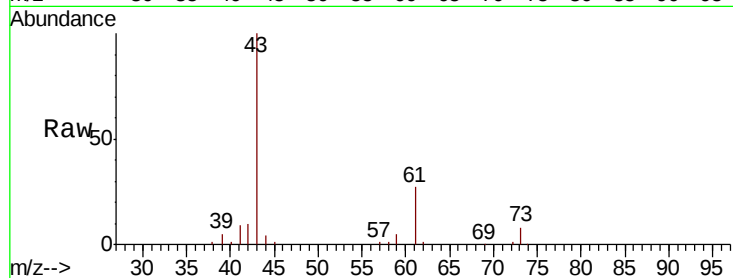
Tot Ion: 43 Resp: 214767

Ion Ratio Lower Upper

43 100

61 26.6 22.3 33.5

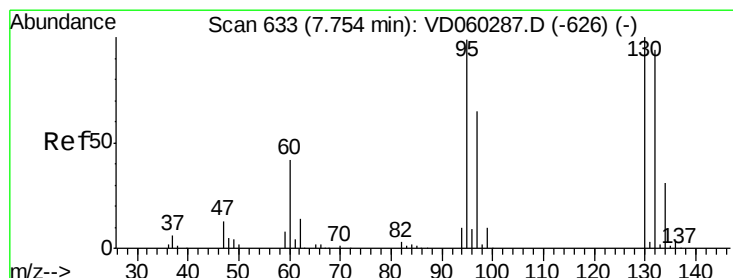
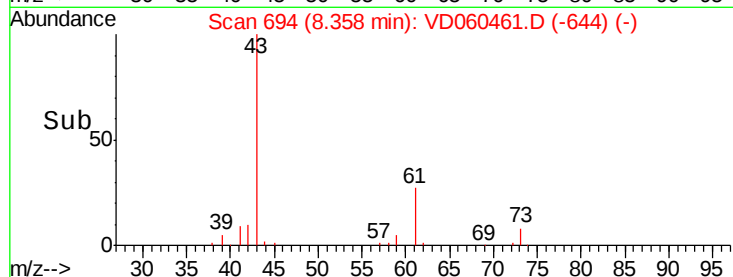
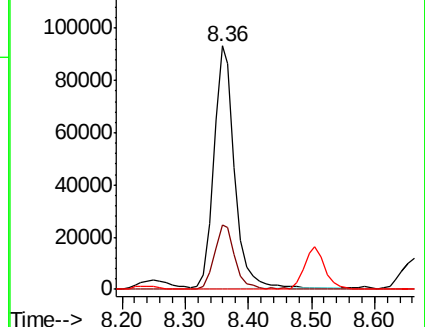
87 0.0 0.2 0.2#



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: 22.062 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060461.D

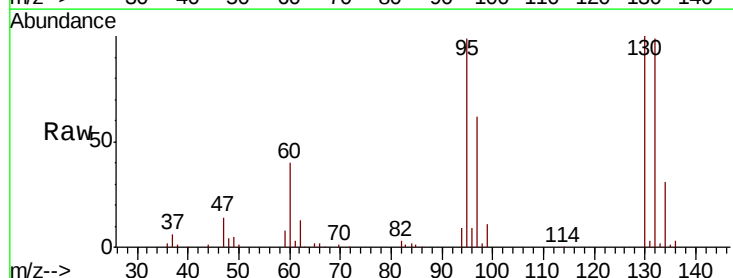
Acq: 29 Nov 2018 12:08

Tgt Ion:130 Resp: 317381

Ion Ratio Lower Upper

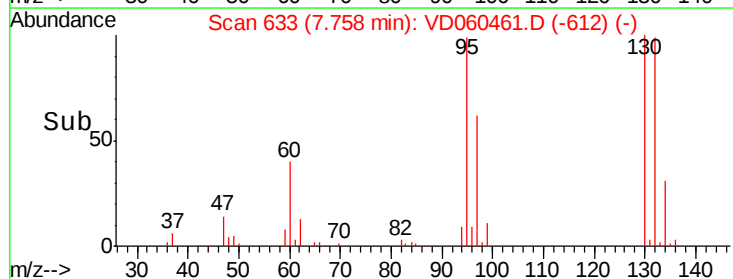
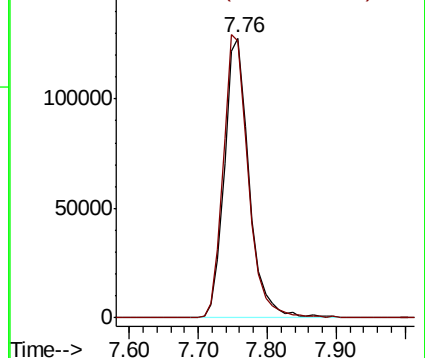
130 100

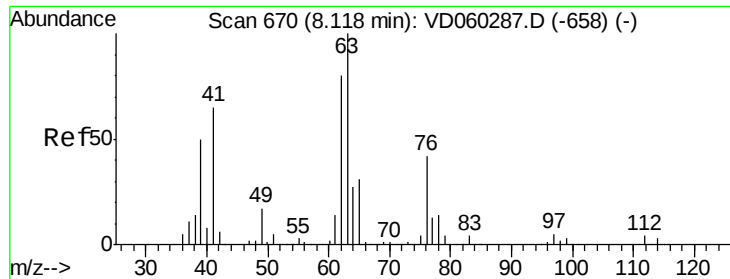
95 98.8 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.643 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

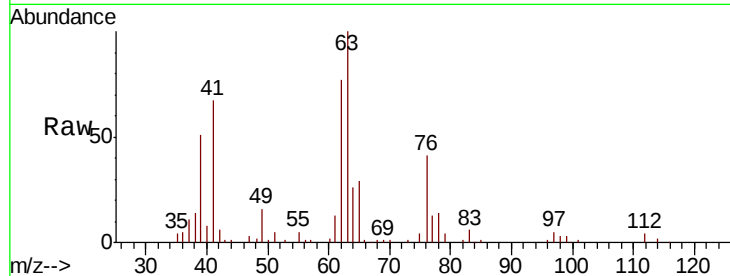
VD1129SBSD01

Tot Ion: 63 Resp: 259040

Ion Ratio Lower Upper

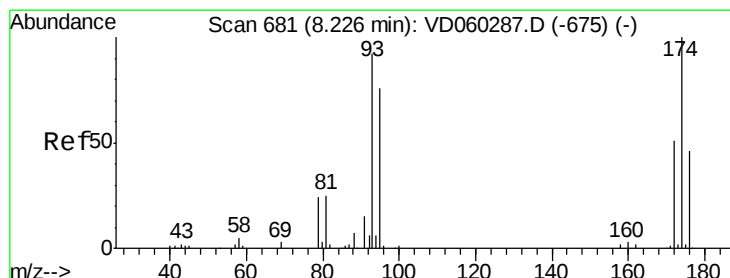
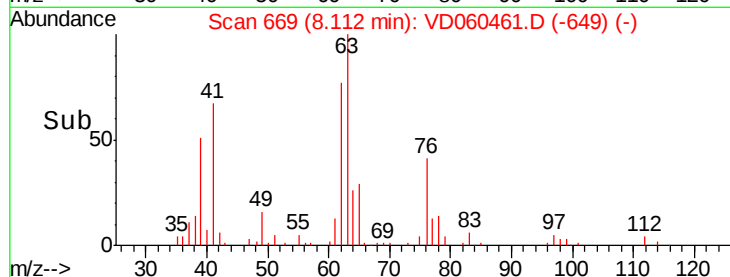
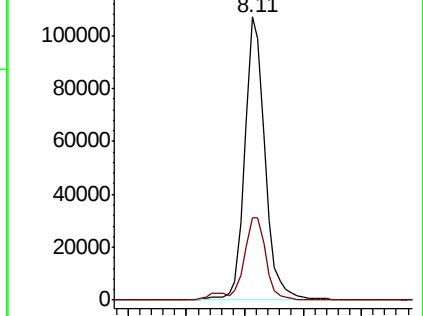
63 100

65 29.0 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.007 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

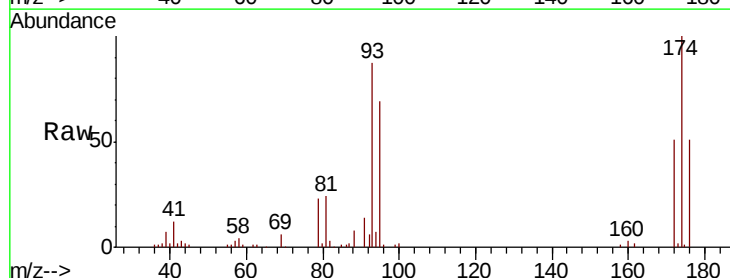
Tgt Ion: 93 Resp: 147259

Ion Ratio Lower Upper

93 100

95 79.1 66.4 99.6

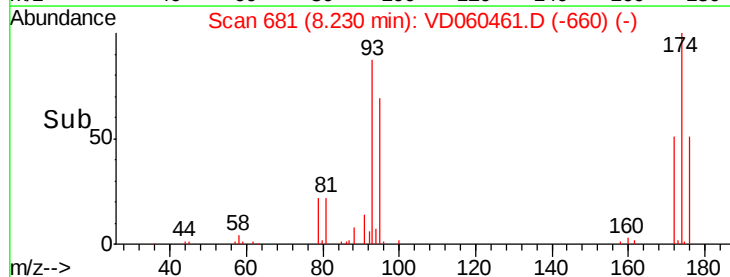
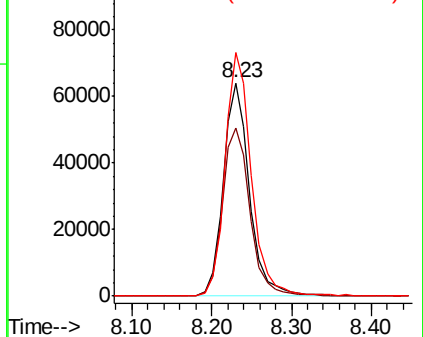
174 114.4 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.316 ug/l

RT: 8.51 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

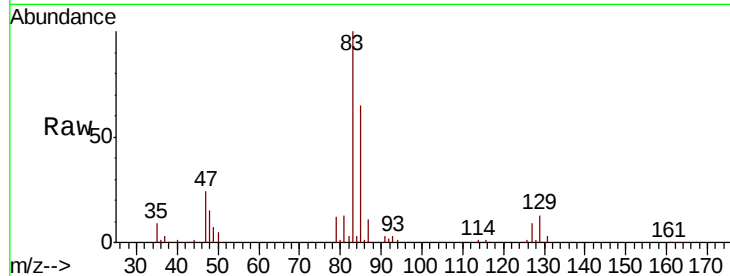
Tot Ion: 83 Resp: 352113

Ion Ratio Lower Upper

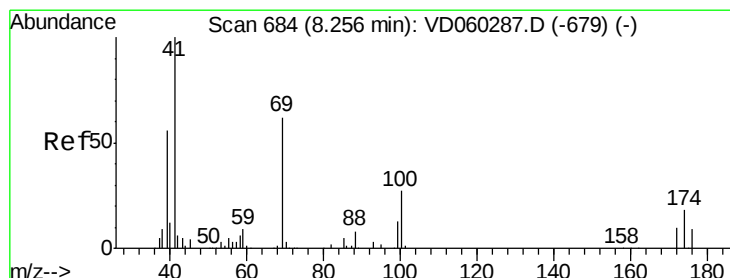
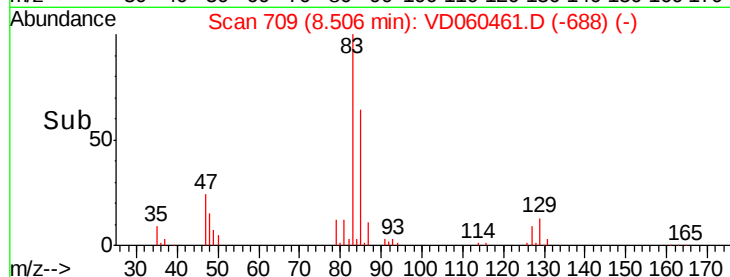
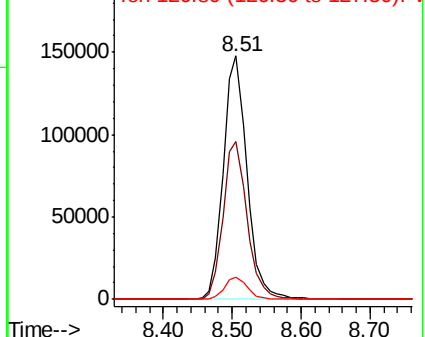
83 100

85 64.6 51.0 76.6

127 9.2 6.2 9.4



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



#48

Methyl methacrylate

Concen: 19.967 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

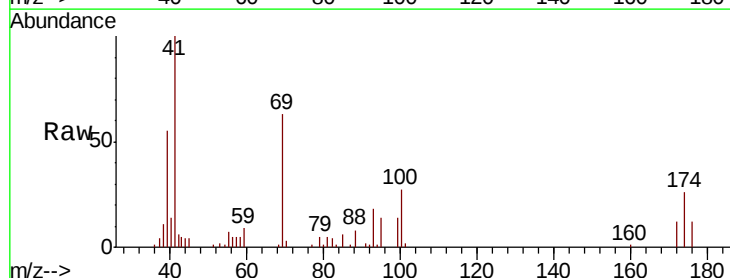
Tgt Ion: 41 Resp: 130333

Ion Ratio Lower Upper

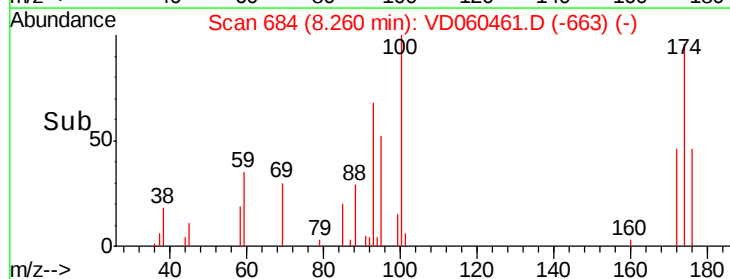
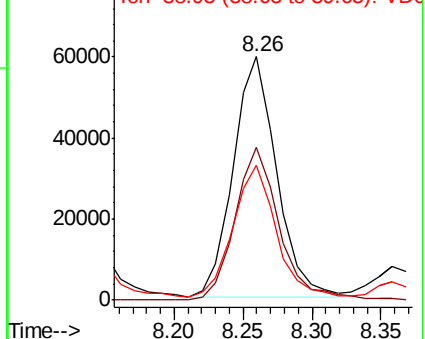
41 100

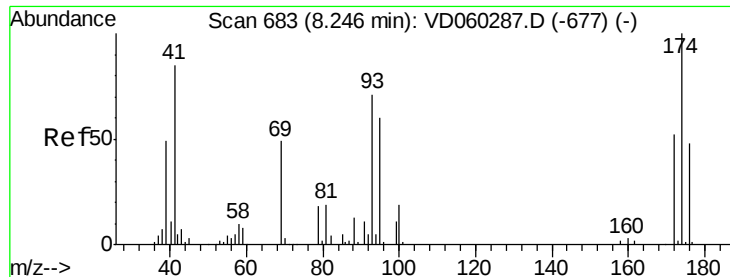
69 62.6 47.0 70.4

39 55.3 46.2 69.4



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





#49

1,4-Dioxane

Concen: 429.139 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

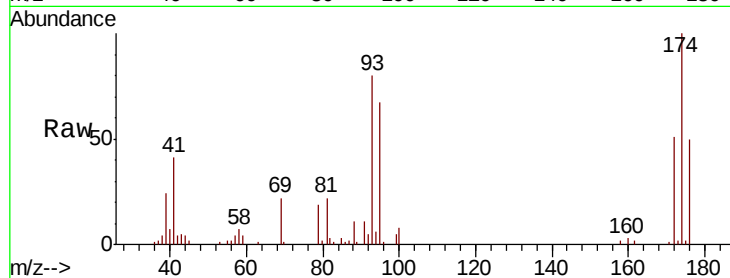
Tot Ion: 88 Resp: 24237

Ion Ratio Lower Upper

88 100

43 45.0 39.7 59.5

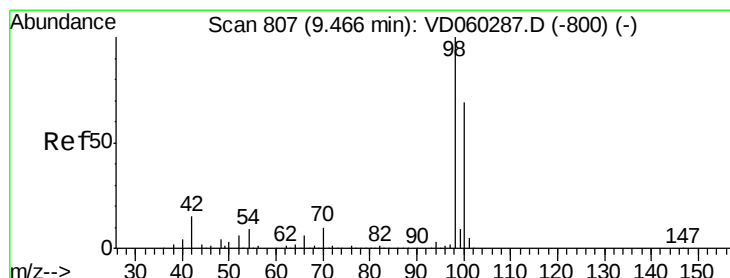
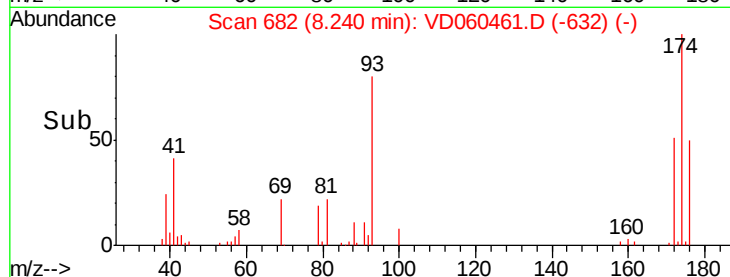
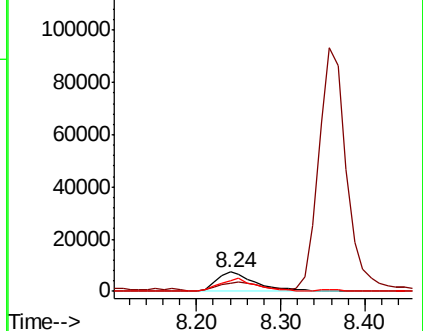
58 57.2 60.2 90.2#



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: 429.139 ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060461.D

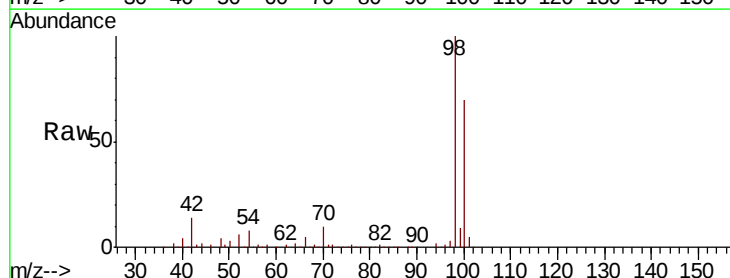
Acq: 29 Nov 2018 12:08

Tgt Ion: 98 Resp: 2153976

Ion Ratio Lower Upper

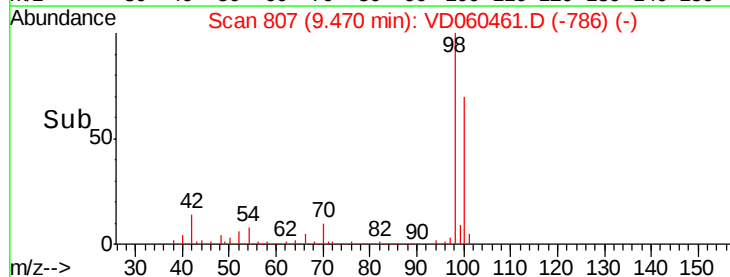
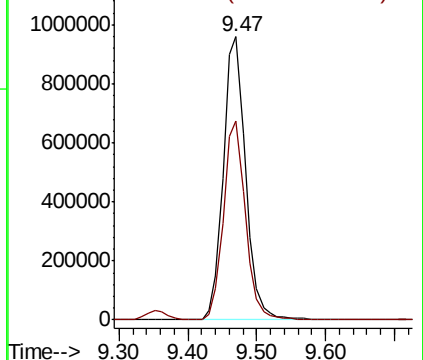
98 100

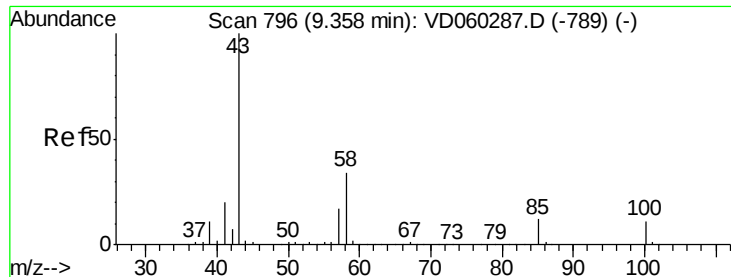
100 70.1 55.2 82.8



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: 100.979 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

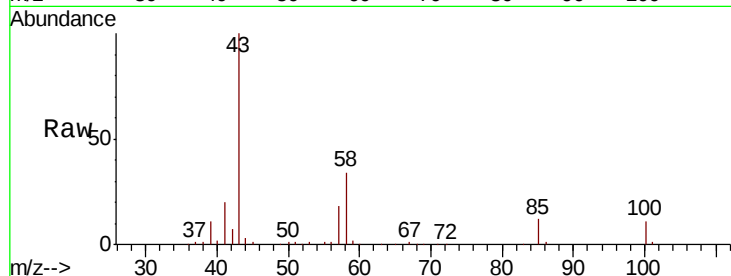
VD1129SBS01

Tot Ion: 43 Resp: 706285

Ion Ratio Lower Upper

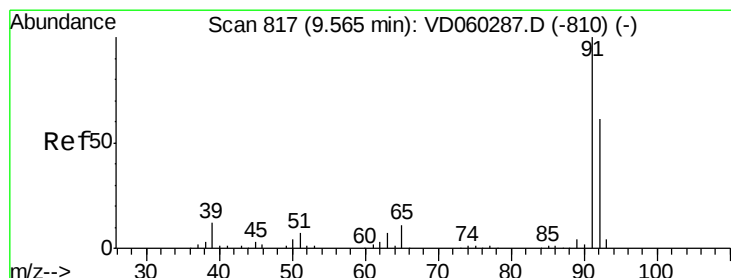
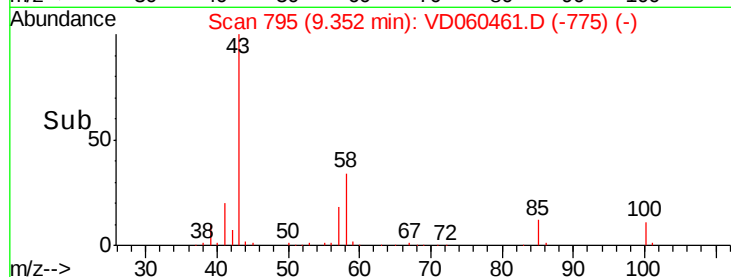
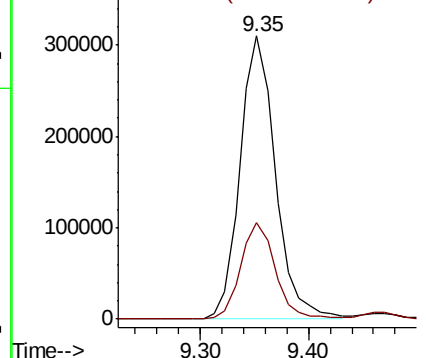
43 100

58 34.2 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.023 ug/l

RT: 9.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060461.D

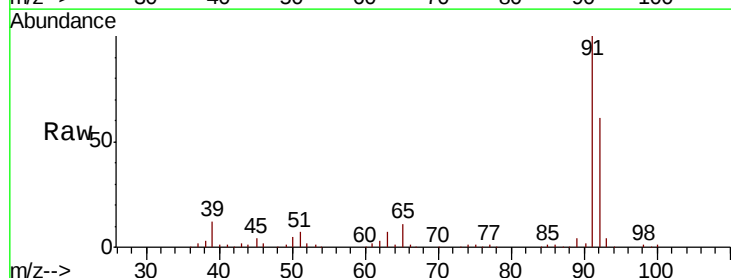
Acq: 29 Nov 2018 12:08

Tgt Ion: 92 Resp: 667608

Ion Ratio Lower Upper

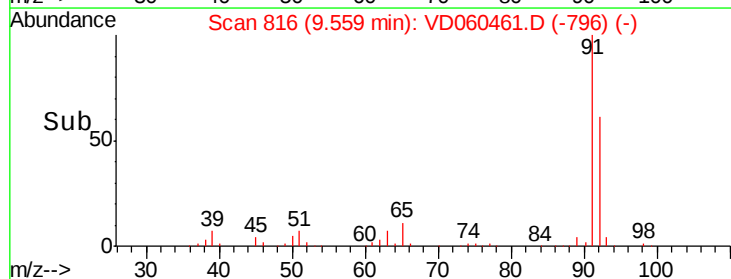
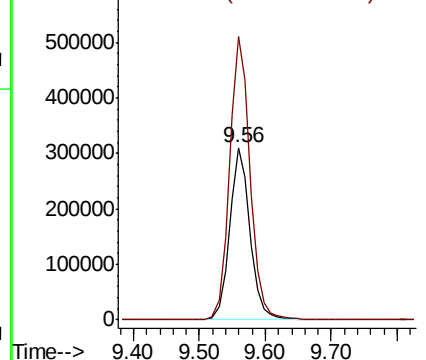
92 100

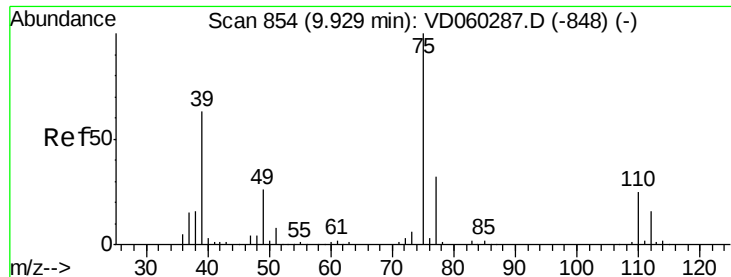
91 164.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

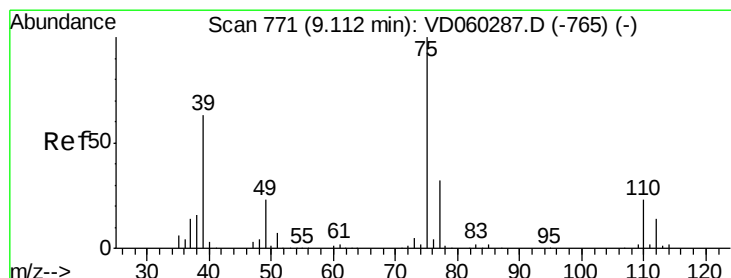
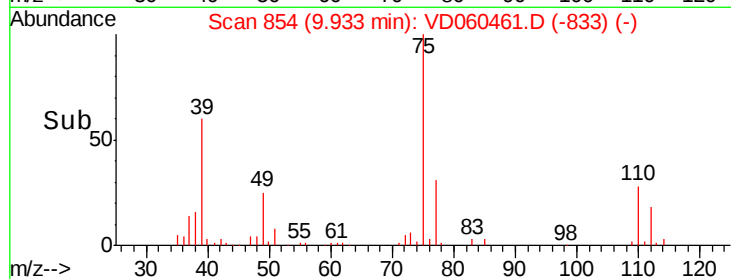
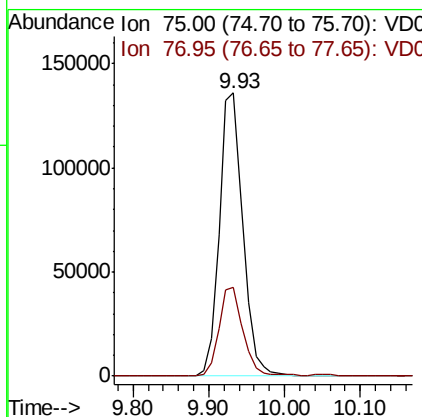
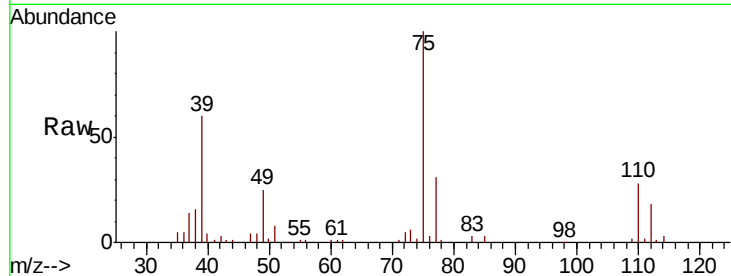




#53
 t-1,3-Dichloropropene
 Concen: 21.066 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

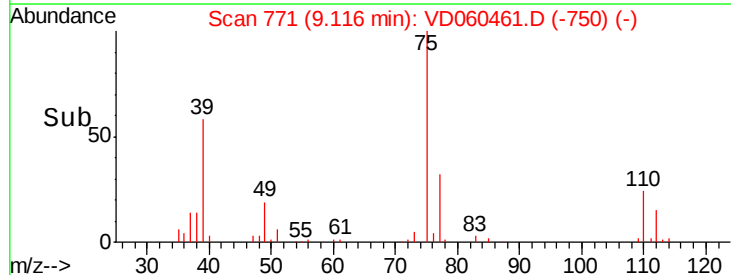
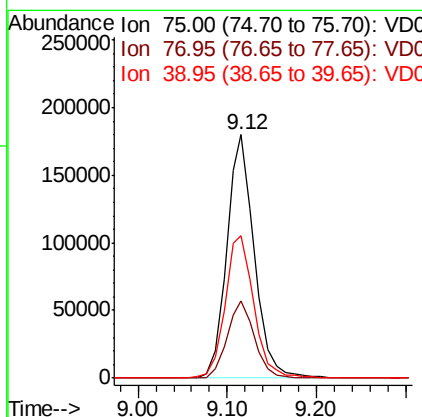
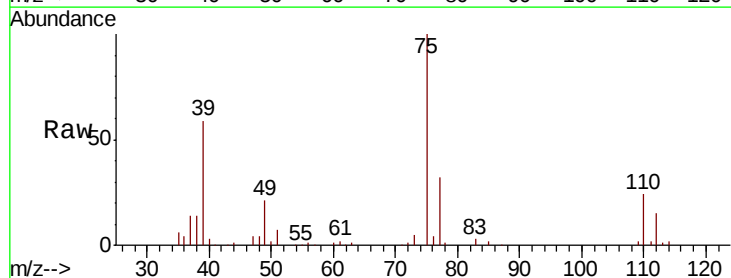
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBSD01

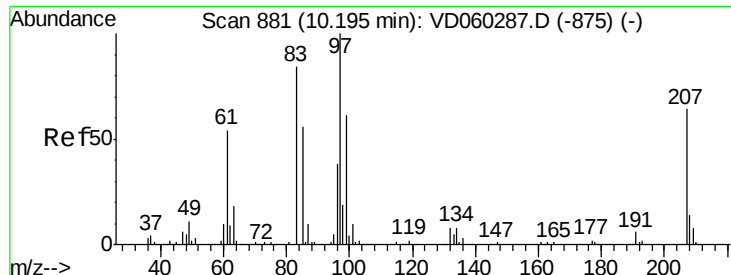
Tot Ion: 75 Resp: 294021
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.684 ug/l
 RT: 9.12 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 75 Resp: 388169
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.3 39.5
 39 58.7 50.8 76.2

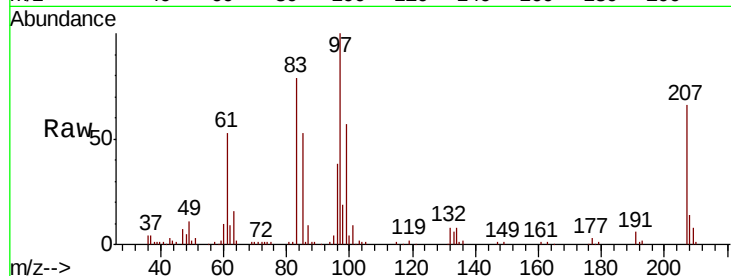




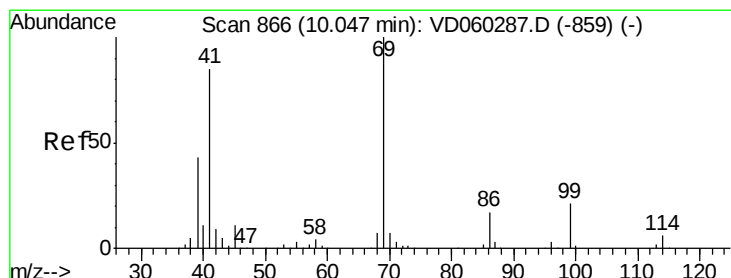
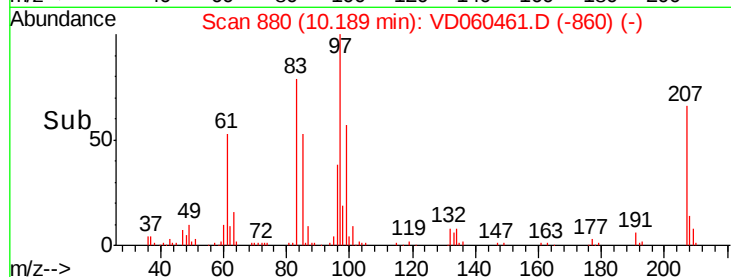
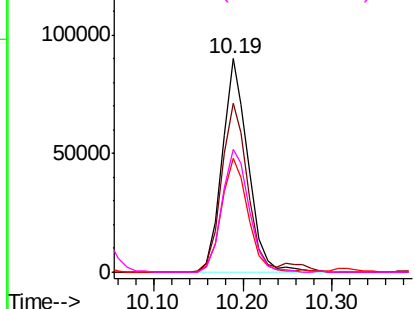
#55
 1,1,2-Trichloroethane
 Concen: 20.859 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBSD01

Tot Ion: 97 Resp: 183272
 Ion Ratio Lower Upper
 97 100
 83 79.4 68.4 102.6
 85 53.5 46.8 70.2
 99 57.5 49.5 74.3

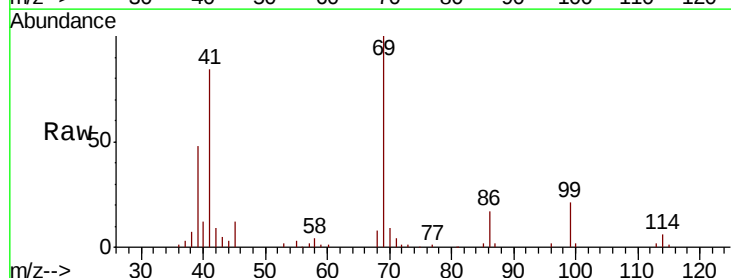


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

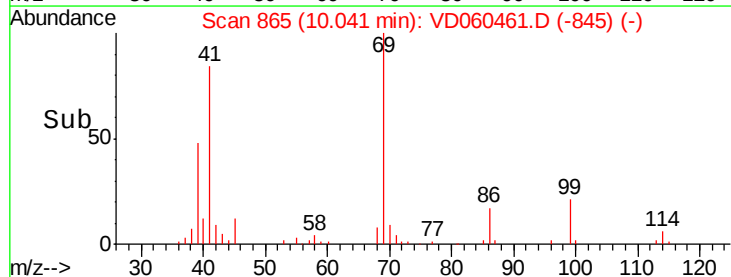
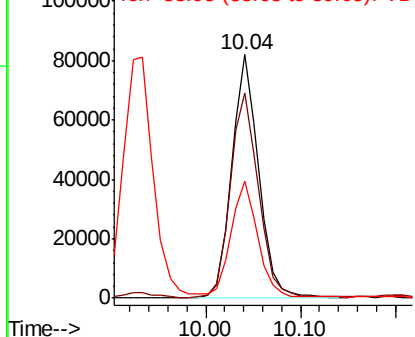


#56
 Ethyl methacrylate
 Concen: 19.877 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 69 Resp: 160580
 Ion Ratio Lower Upper
 69 100
 41 84.4 69.0 103.4
 39 48.0 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: 20.593 ug/l

RT: 10.40 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

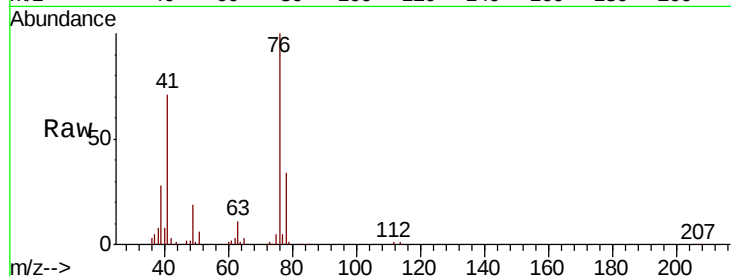
VD1129SBSD01

Tot Ion: 76 Resp: 275706

Ion Ratio Lower Upper

76 100

78 33.7 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.40

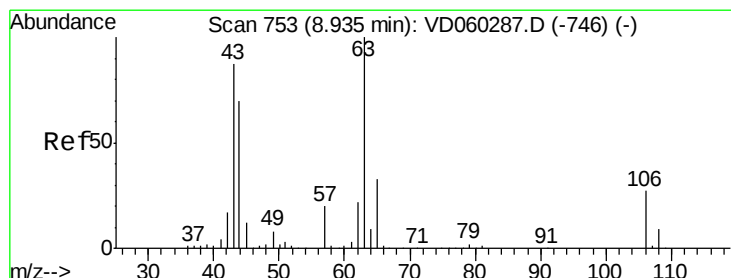
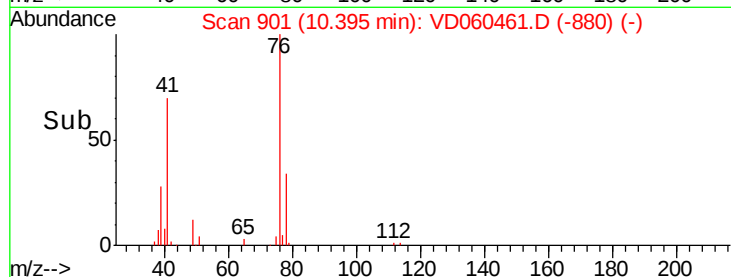
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 105.087 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060461.D

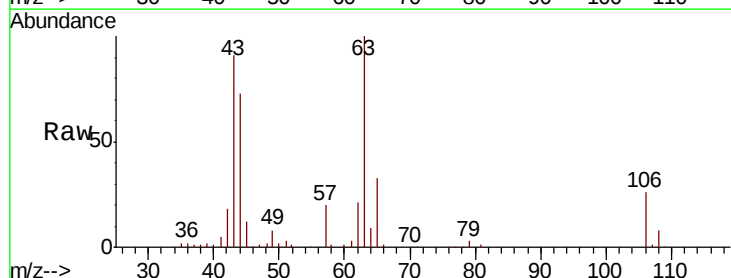
Acq: 29 Nov 2018 12:08

Tgt Ion: 63 Resp: 513323

Ion Ratio Lower Upper

63 100

106 25.6 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.93

250000

200000

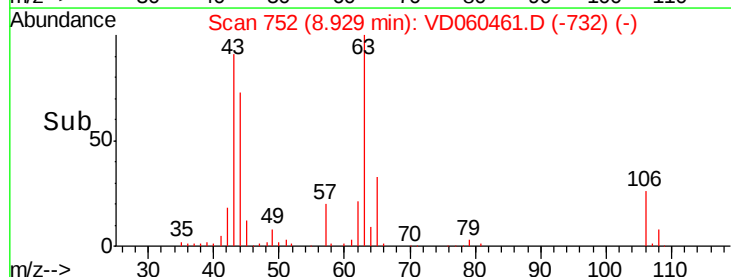
150000

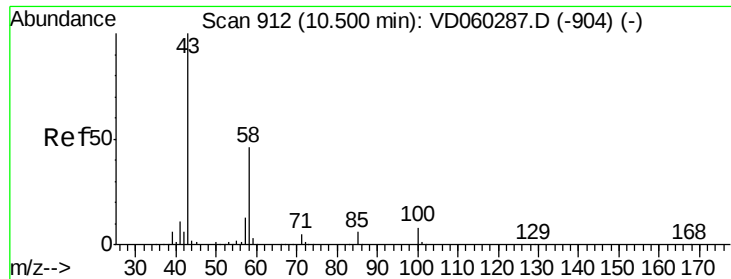
100000

50000

0

Time-->

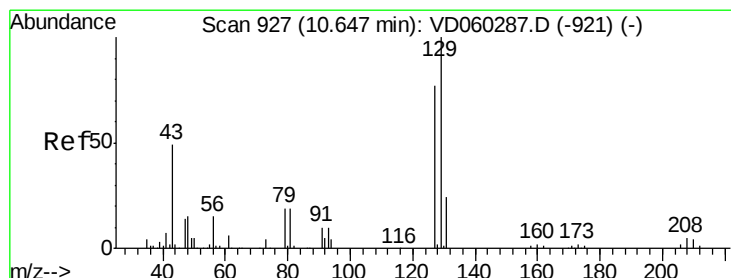
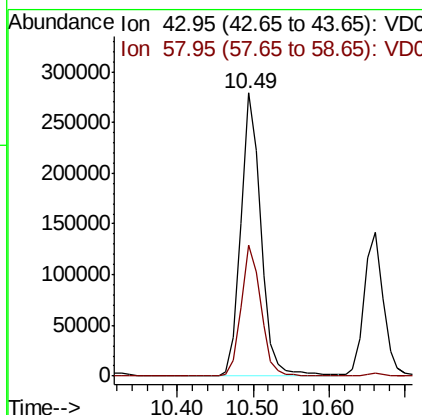
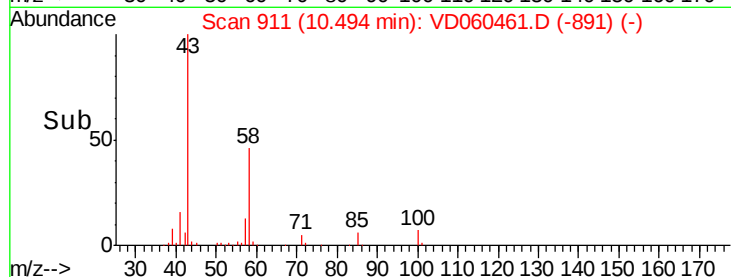
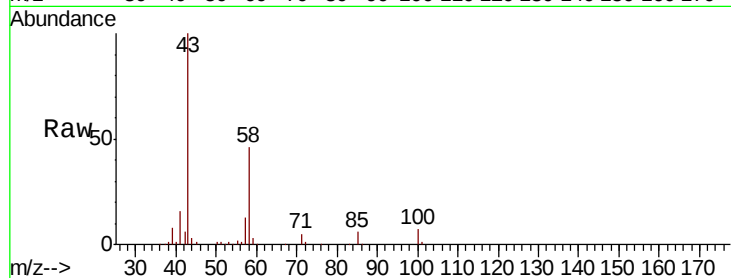




#59
2-Hexanone
Concen: 102.425 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

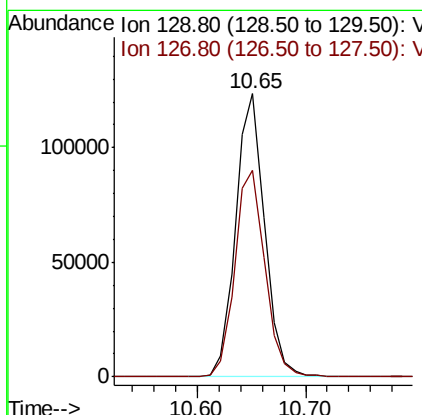
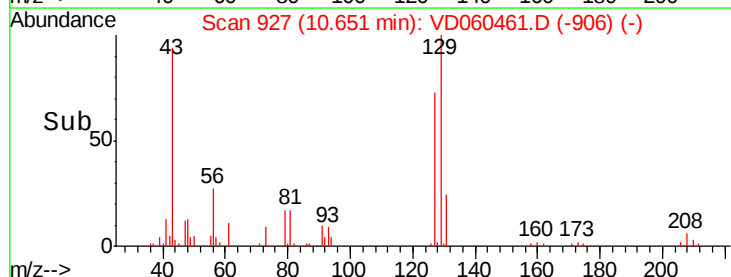
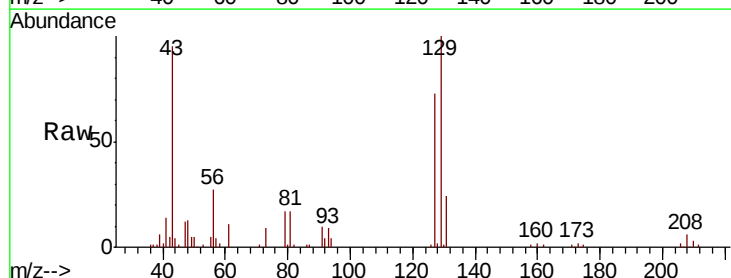
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

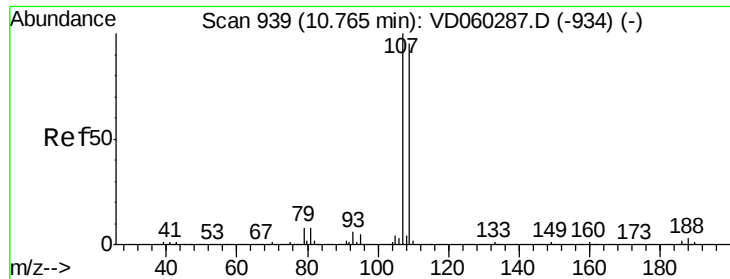
Tot Ion: 43 Resp: 510603
Ion Ratio Lower Upper
43 100
58 46.3 22.9 68.5



#60
Dibromochloromethane
Concen: 21.413 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 129 Resp: 228709
Ion Ratio Lower Upper
129 100
127 73.1 38.9 116.6

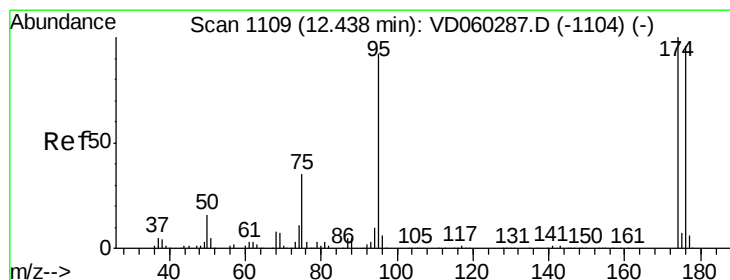
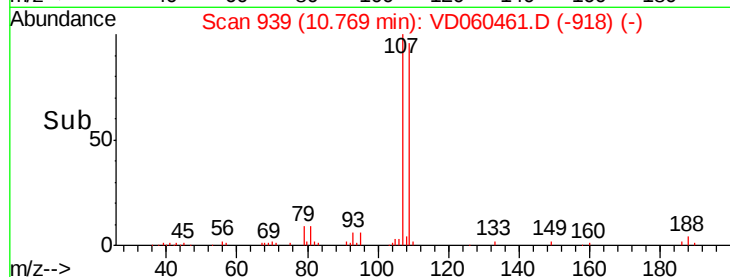
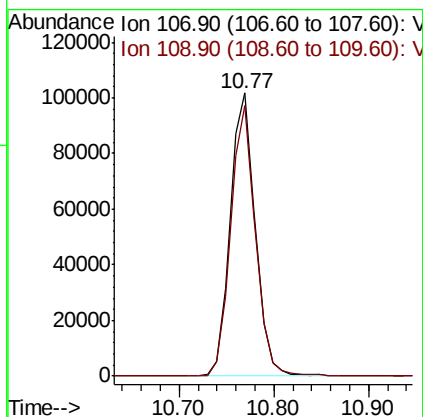
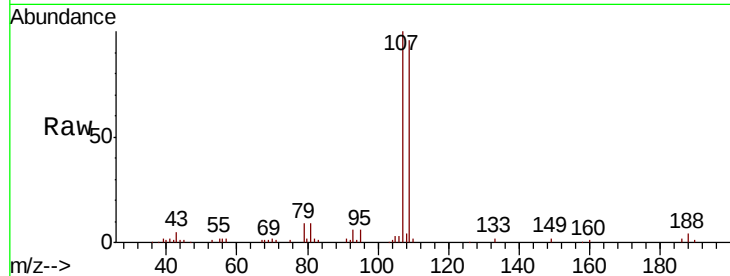




#61
 1,2-Dibromoethane
 Concen: 21.045 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

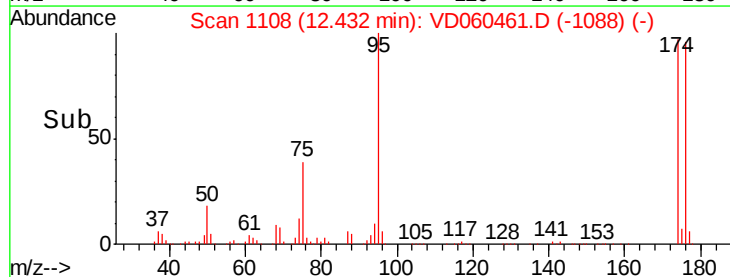
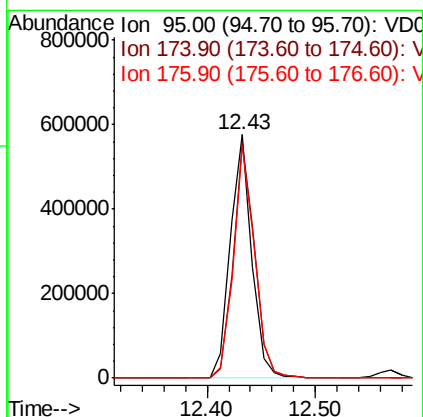
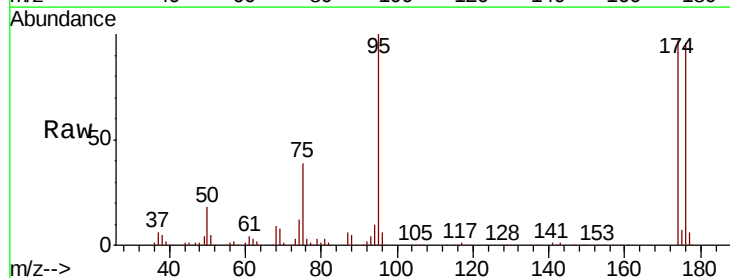
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBSD01

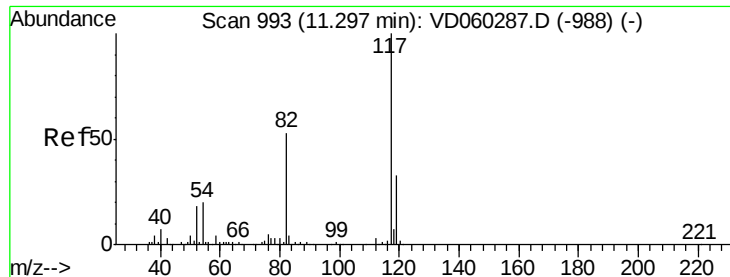
Tot Ion: 107 Resp: 185270
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.045 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 95 Resp: 793994
 Ion Ratio Lower Upper
 95 100
 174 97.1 0.0 160.8
 176 95.6 0.0 154.6

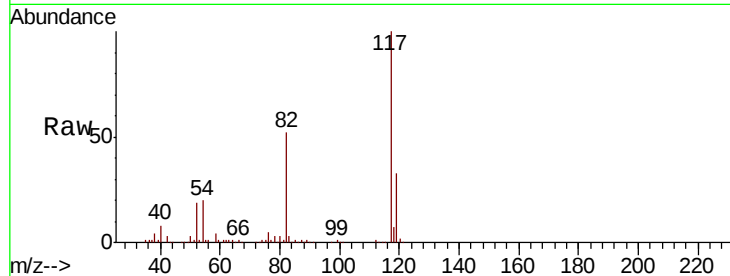




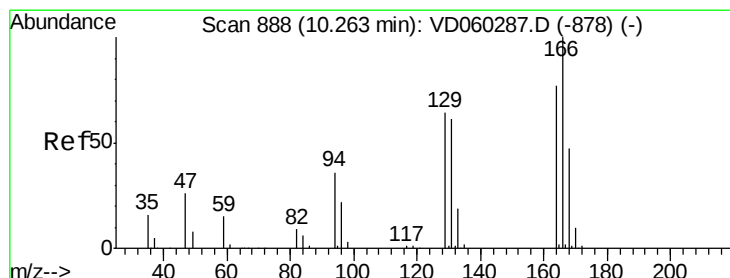
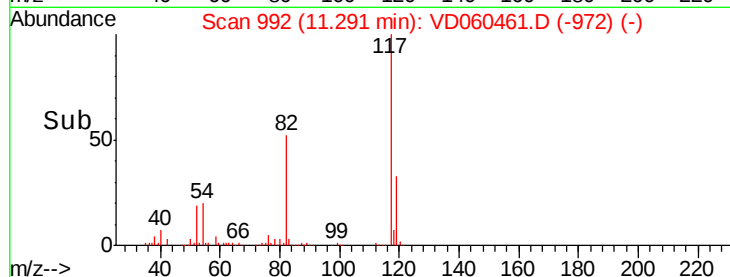
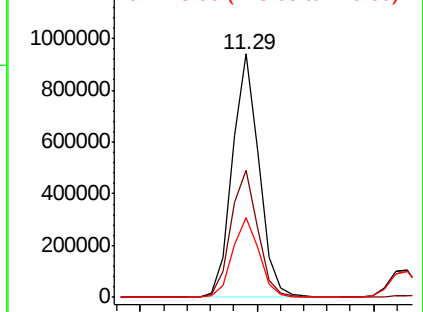
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

Tot Ion:117 Resp: 1489068
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 32.6 26.1 39.1

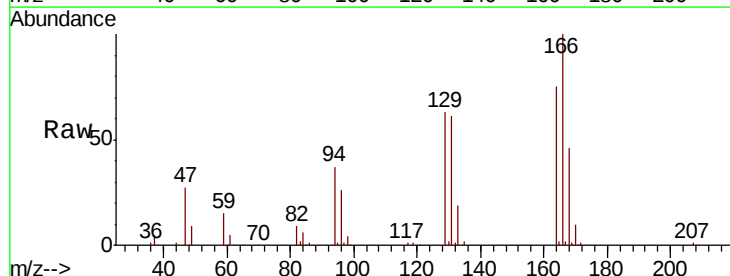


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

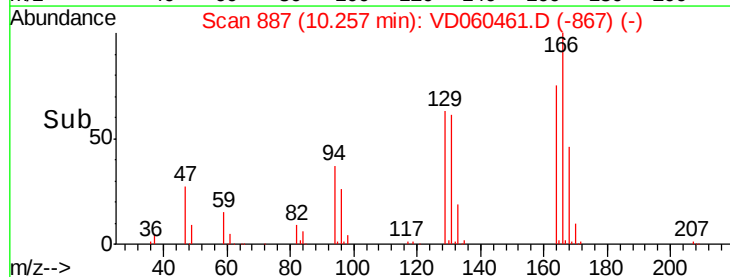
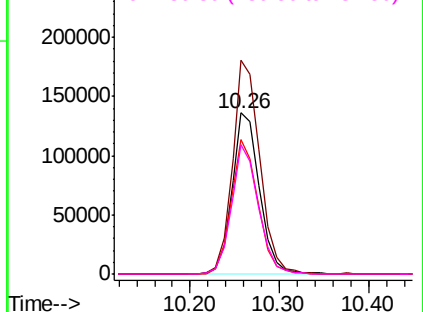


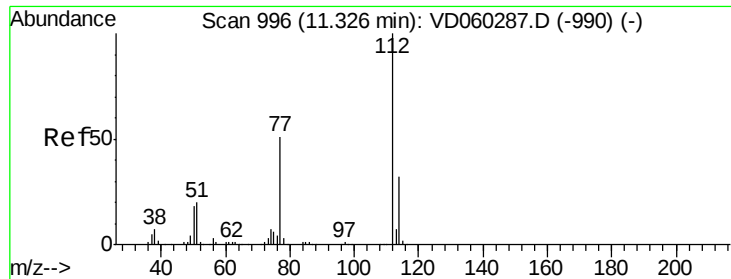
#64
Tetrachloroethene
Concen: 21.926 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion:164 Resp: 291476
Ion Ratio Lower Upper
164 100
166 132.8 103.7 155.5
129 83.3 65.6 98.4
131 80.4 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

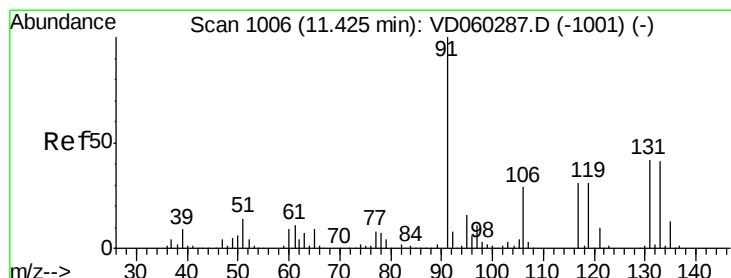
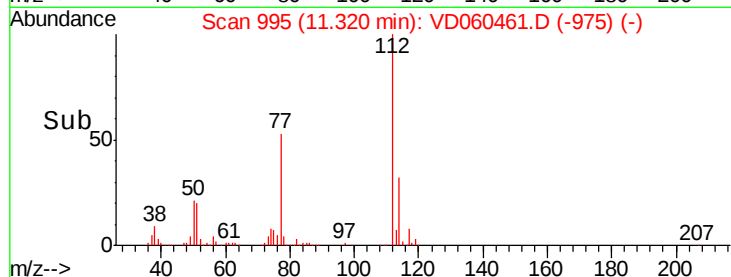
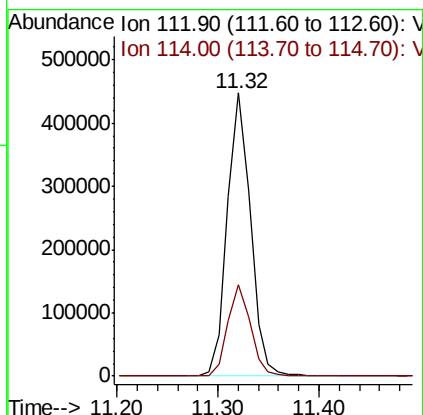
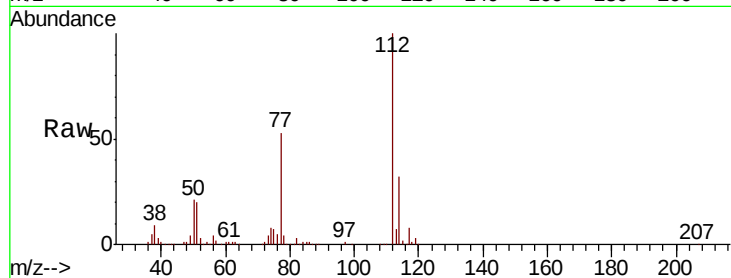




#65
Chlorobenzene
Concen: 22.204 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

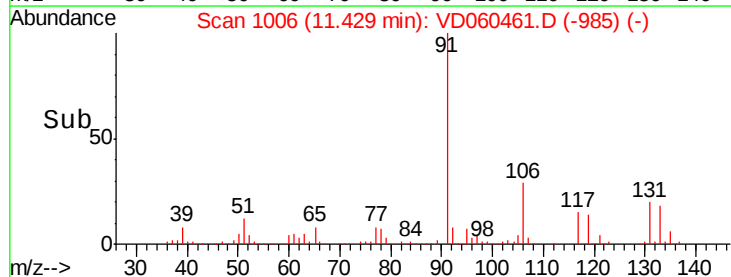
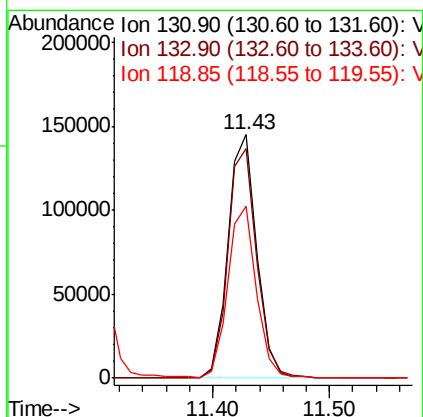
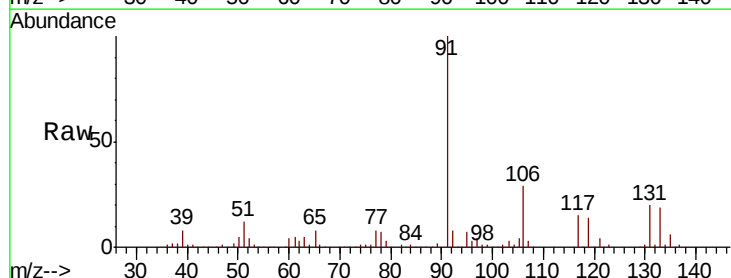
Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

Tot Ion:112 Resp: 716394
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.334 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion:131 Resp: 246329
Ion Ratio Lower Upper
131 100
133 94.0 50.0 150.0
119 70.6 37.0 111.1

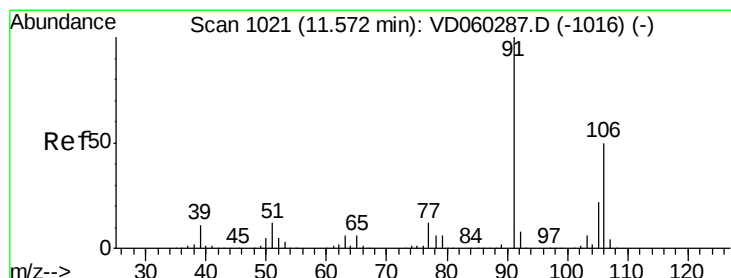
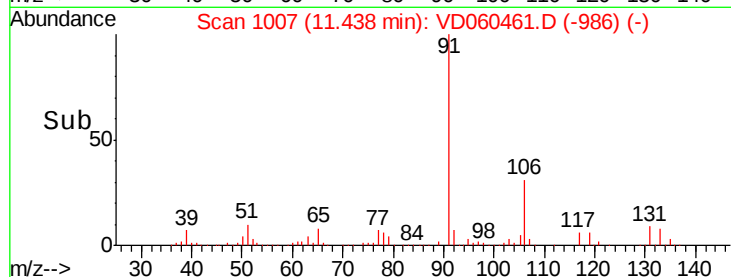
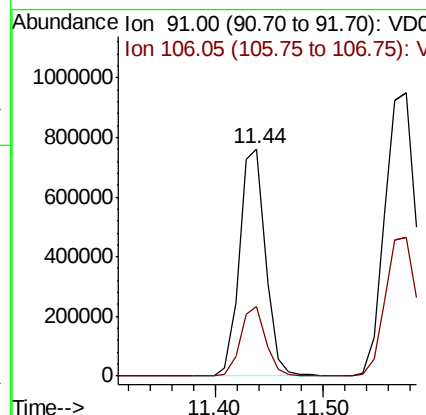
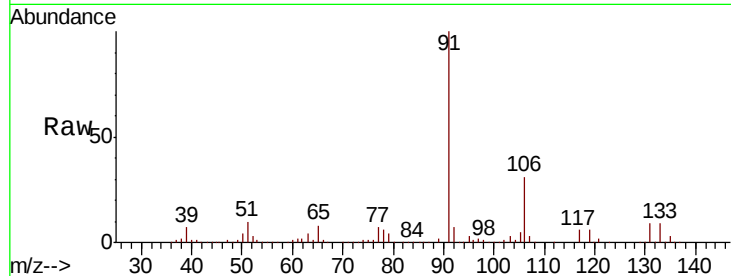




#67
Ethyl Benzene
Concen: 23.169 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

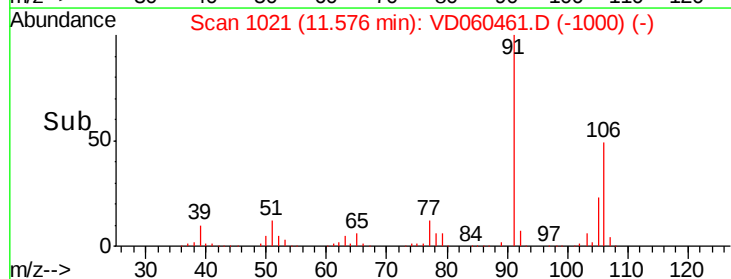
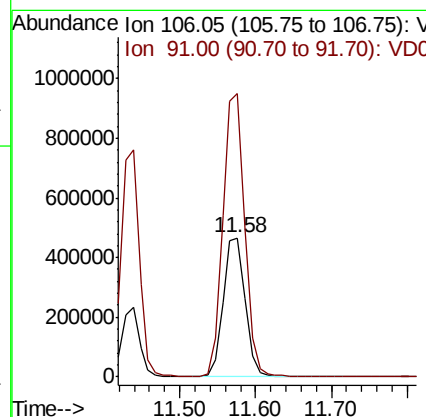
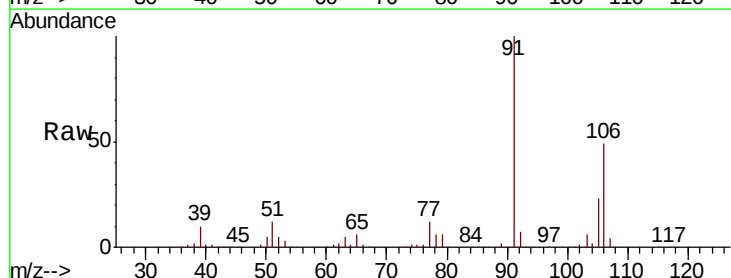
Instrument :
MSVOA_D
ClientSampleID :
VD1129SBS01

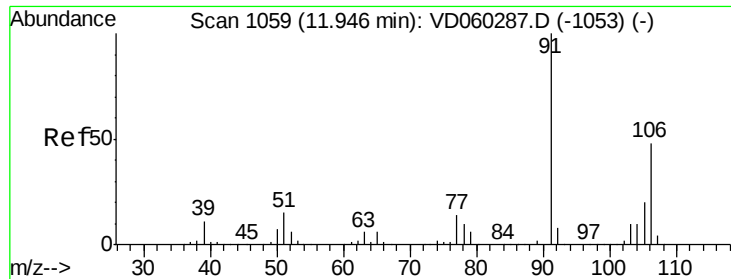
Tot Ion: 91 Resp: 1278758
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 46.335 ug/l
RT: 11.58 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 106 Resp: 943349
Ion Ratio Lower Upper
106 100
91 203.7 159.4 239.2

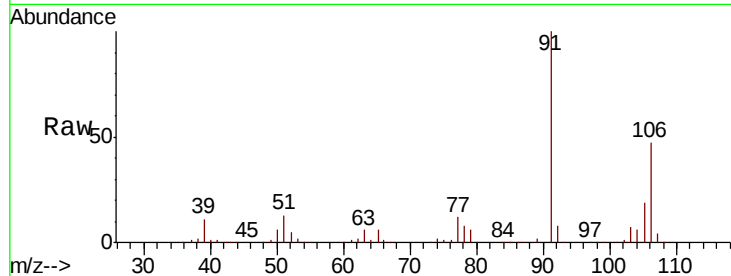




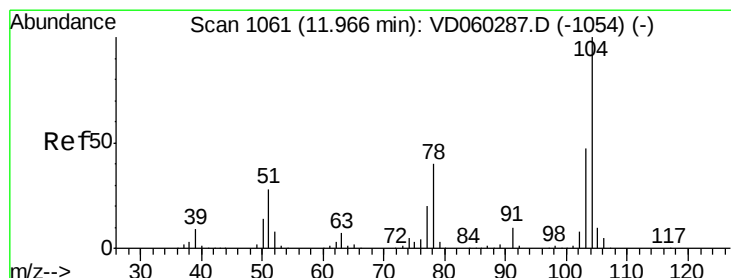
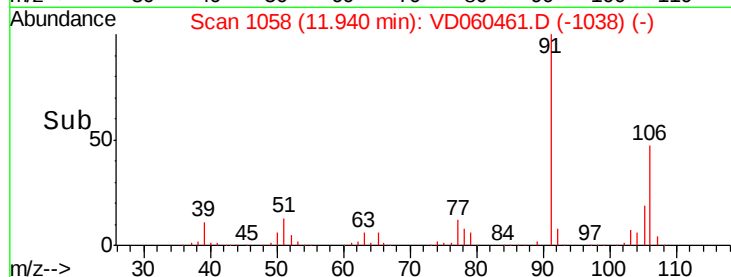
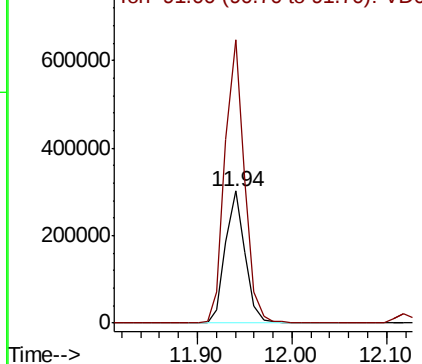
#69
o-Xylene
Concen: 22.005 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBS01

Tot Ion:106 Resp: 432818
Ion Ratio Lower Upper
106 100
91 214.8 109.2 327.6

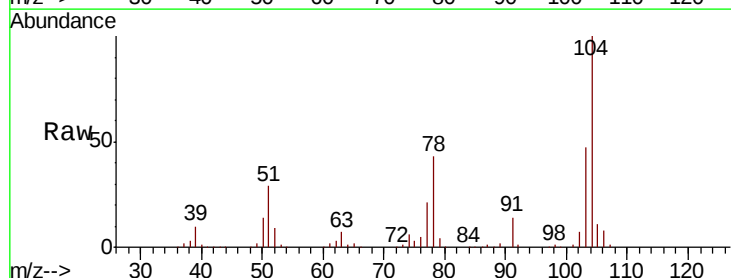


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

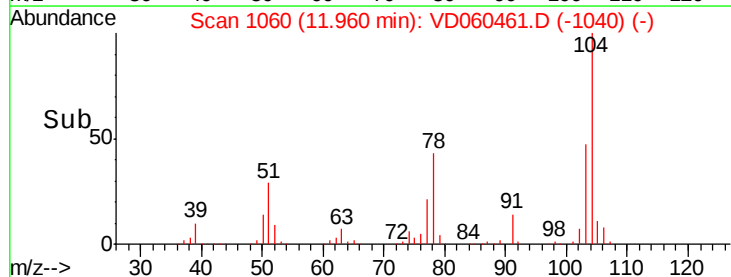
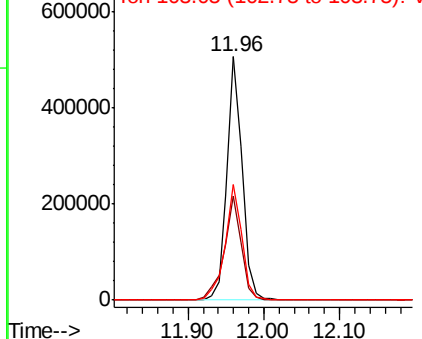


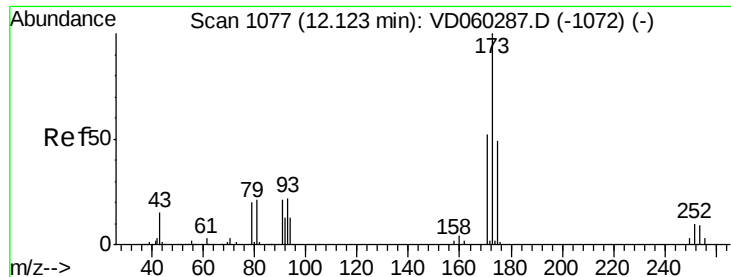
#70
Styrene
Concen: 22.171 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion:104 Resp: 704766
Ion Ratio Lower Upper
104 100
78 42.5 31.6 47.4
103 47.5 37.0 55.6



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





#71

Bromoform

Concen: 20.872 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

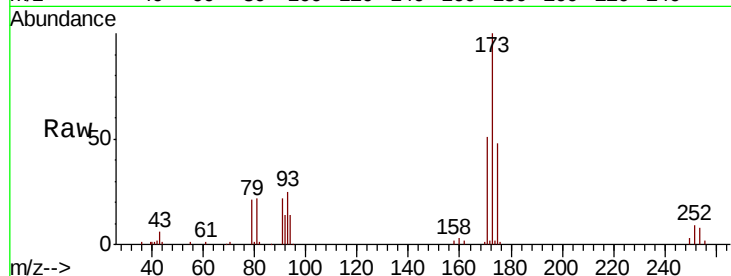
Tot Ion:173 Resp: 148058

Ion Ratio Lower Upper

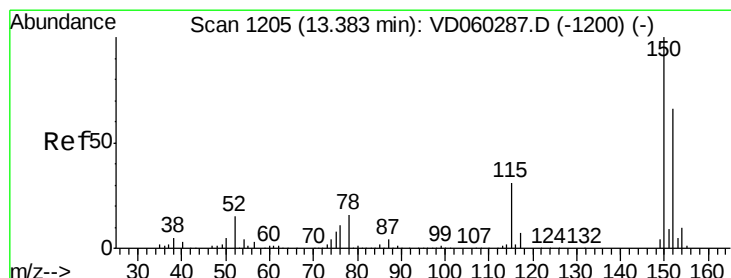
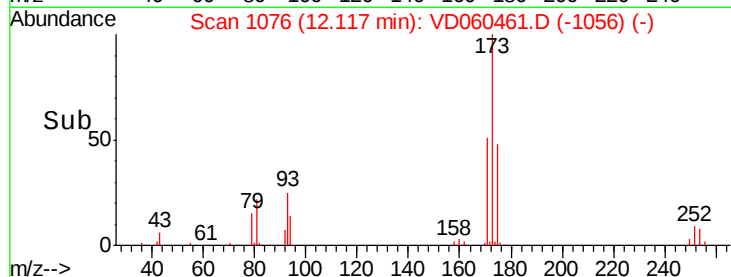
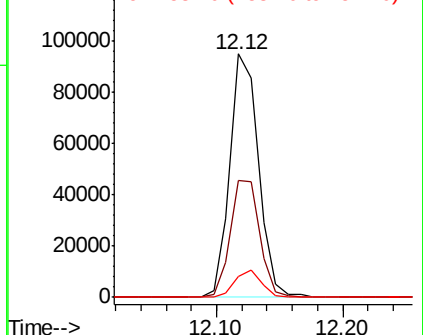
173 100

175 48.0 24.3 73.0

254 8.3 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: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

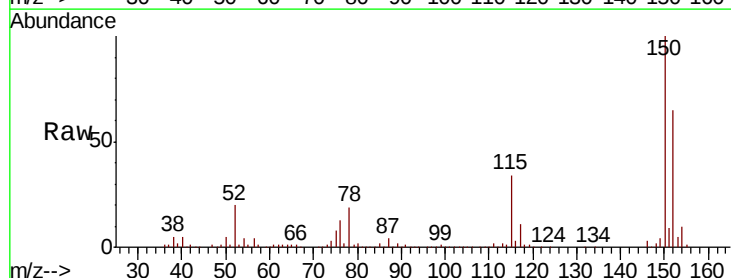
Tgt Ion:152 Resp: 763510

Ion Ratio Lower Upper

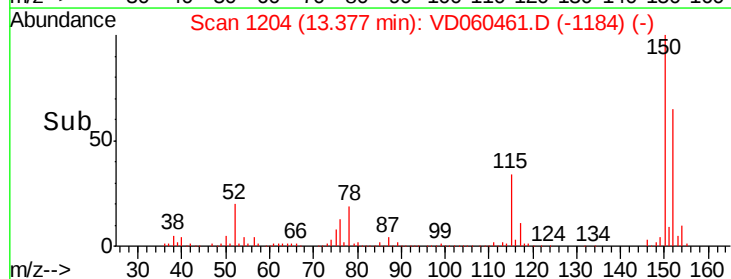
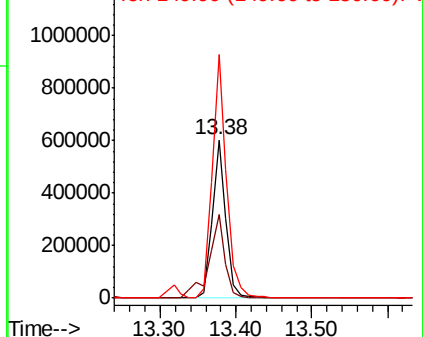
152 100

115 52.6 24.1 72.3

150 154.2 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: 22.703 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

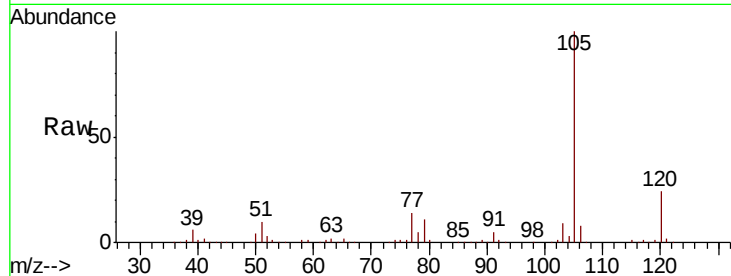
VD1129SBSD01

Tot Ion:105 Resp: 1262886

Ion Ratio Lower Upper

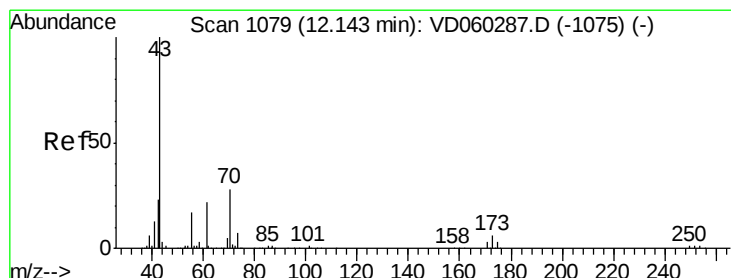
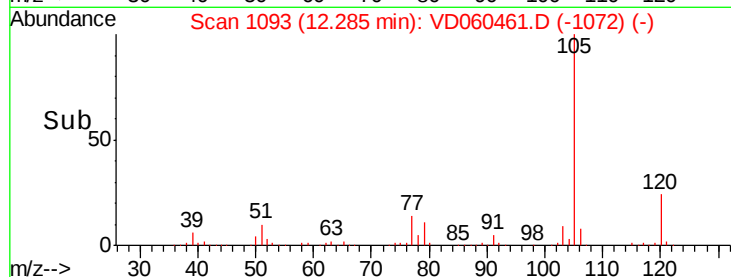
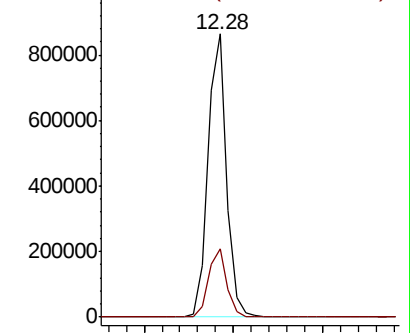
105 100

120 24.3 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.958 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Tgt Ion: 43 Resp: 284633

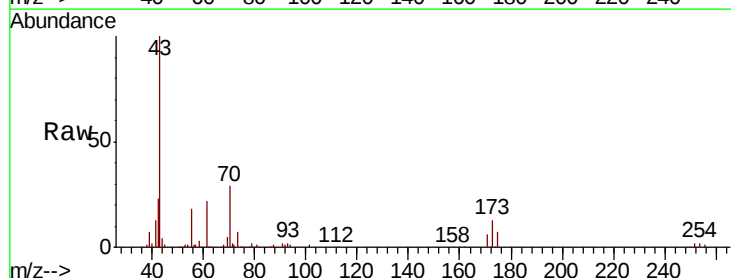
Ion Ratio Lower Upper

43 100

70 28.6 23.0 34.4

55 17.6 14.2 21.4

61 21.8 17.8 26.8

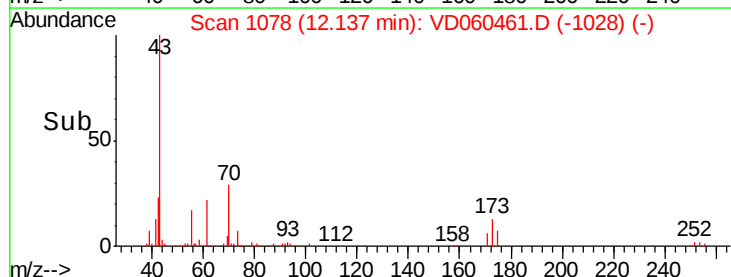
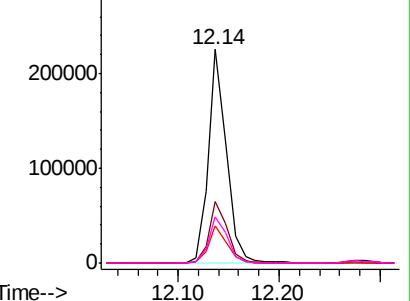


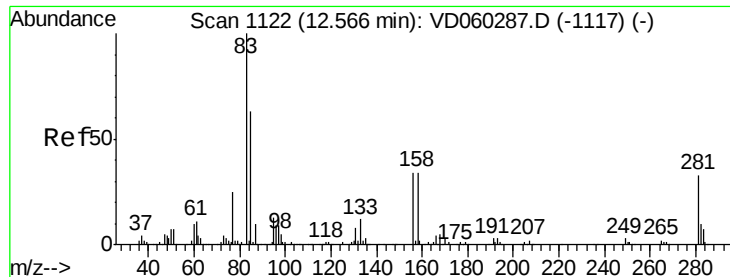
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.353 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

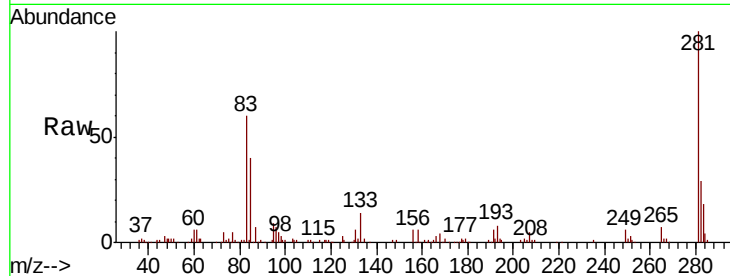
Tot Ion: 83 Resp: 185166

Ion Ratio Lower Upper

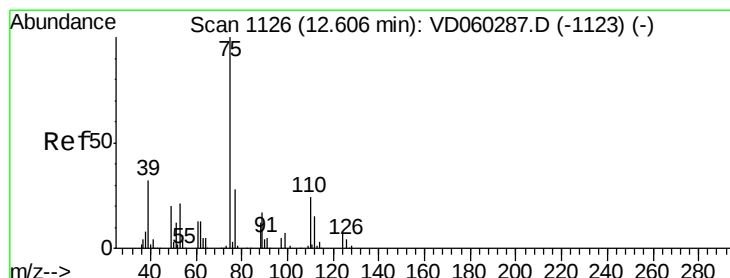
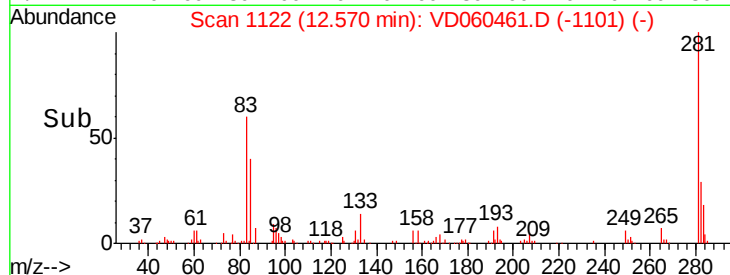
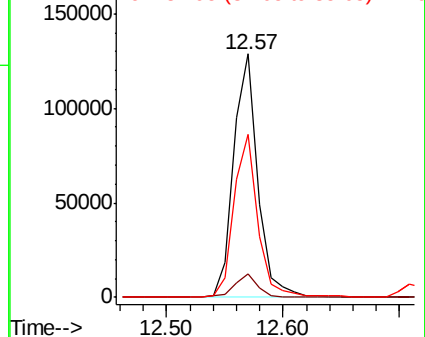
83 100

131 9.5 3.9 11.5

85 66.8 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.398 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060461.D

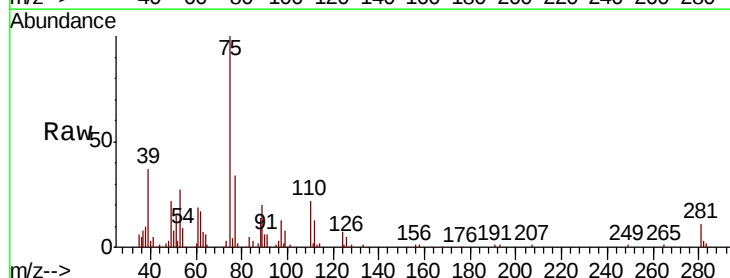
Acq: 29 Nov 2018 12:08

Tgt Ion: 75 Resp: 186306

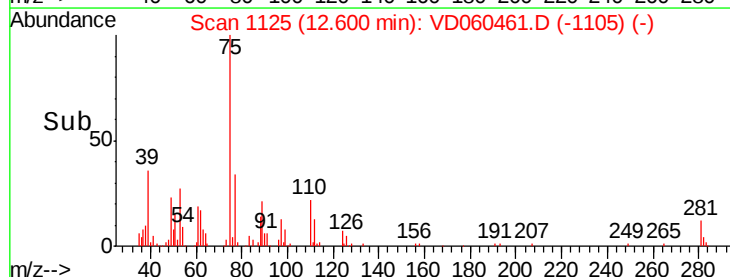
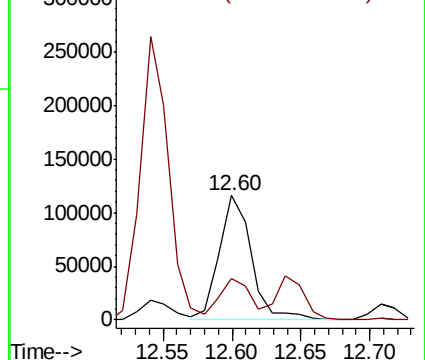
Ion Ratio Lower Upper

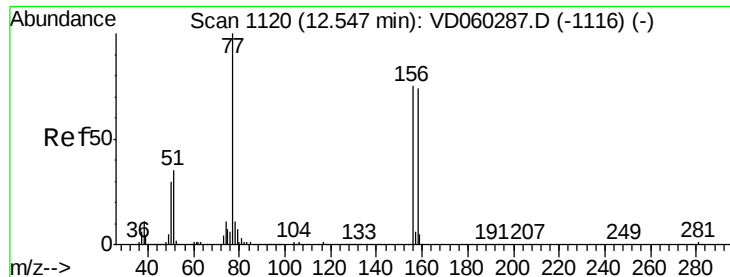
75 100

77 33.6 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.051 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBS01

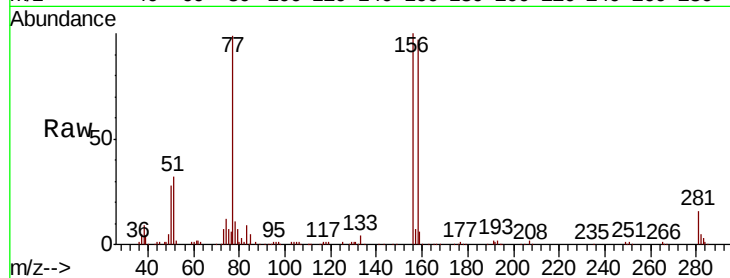
Tot Ion:156 Resp: 311047

Ion Ratio Lower Upper

156 100

77 99.4 61.2 183.6

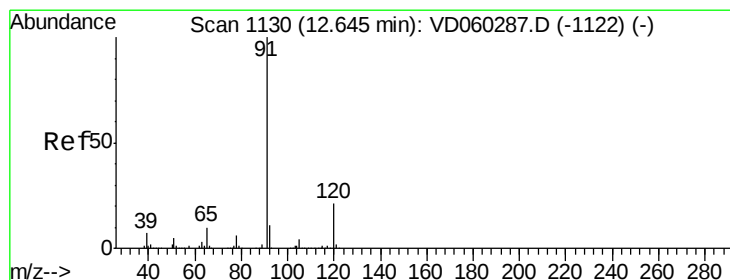
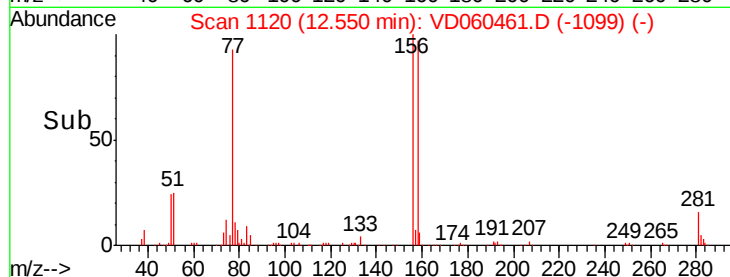
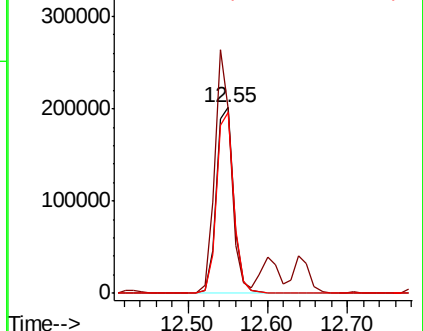
158 97.5 49.2 147.6



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: 22.435 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060461.D

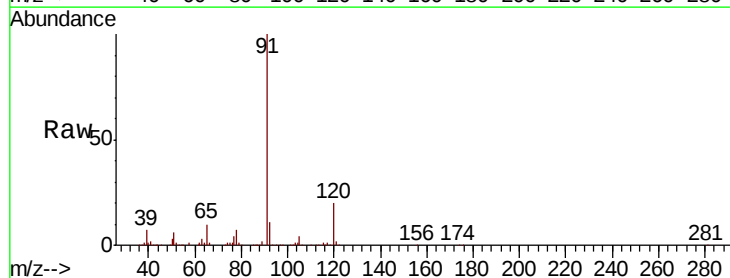
Acq: 29 Nov 2018 12:08

Tgt Ion: 91 Resp: 1557726

Ion Ratio Lower Upper

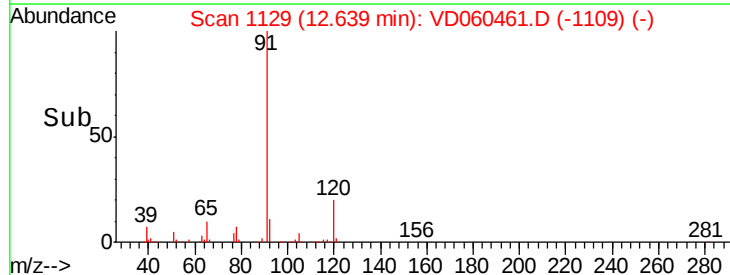
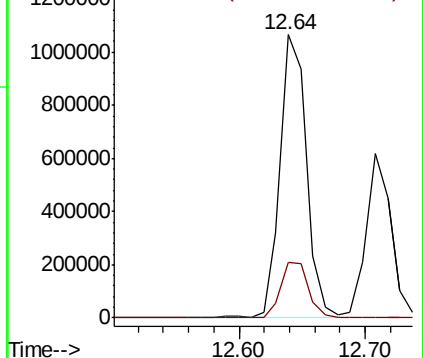
91 100

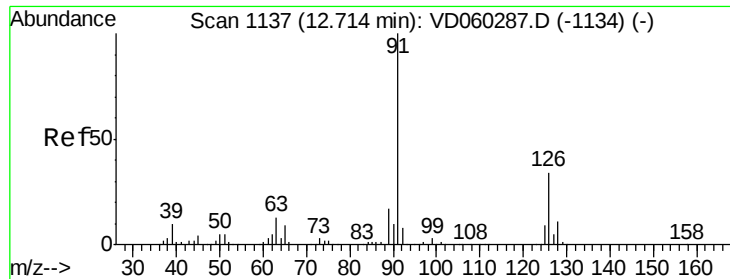
120 19.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

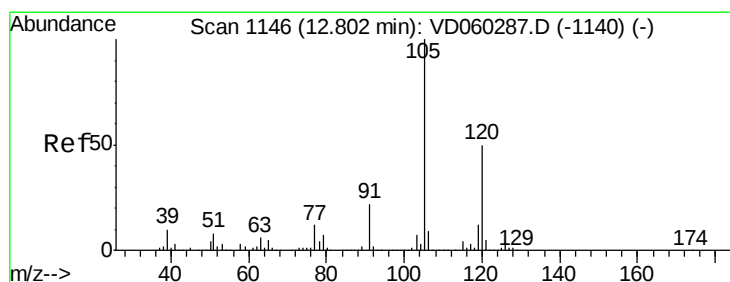
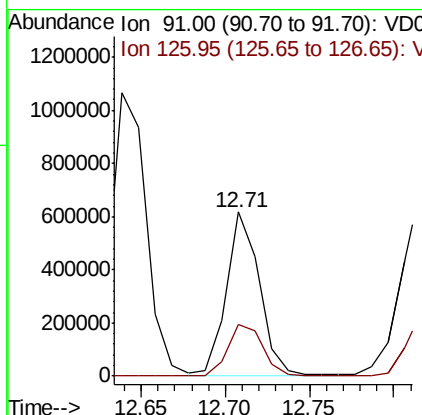
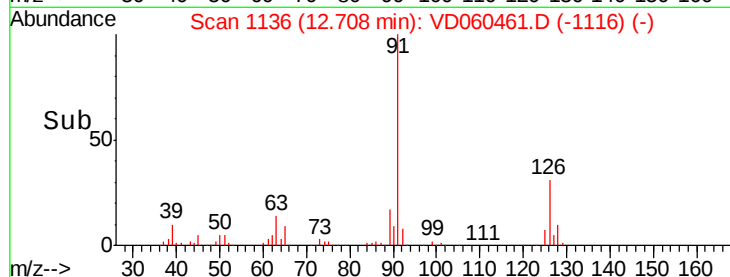
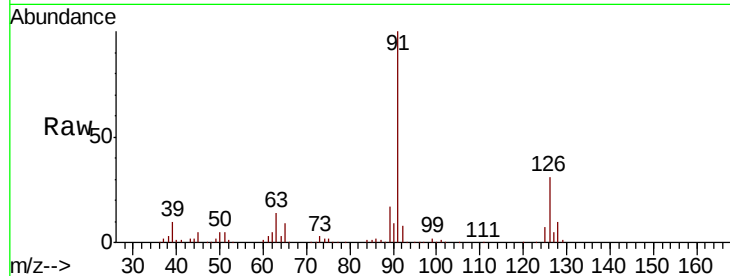




#79
 2-Chlorotoluene
 Concen: 22.152 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

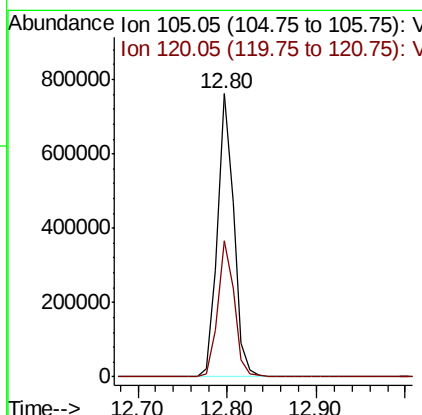
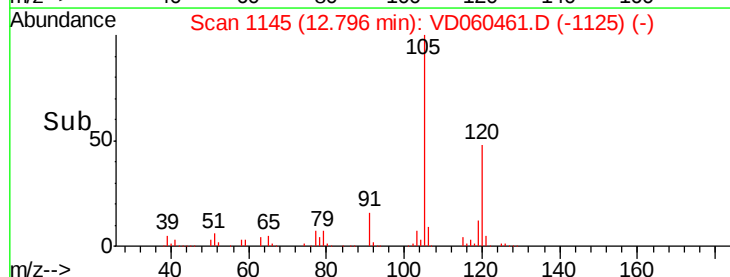
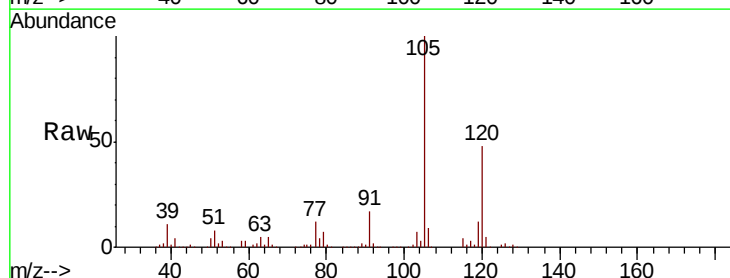
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

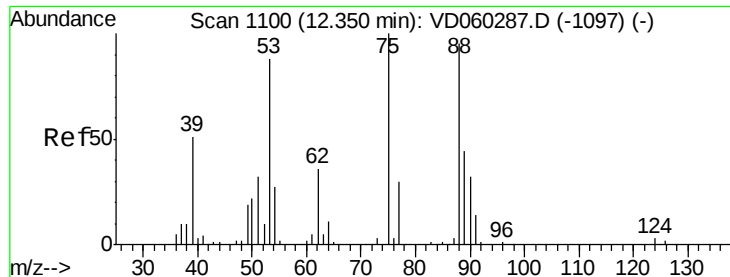
Tot Ion: 91 Resp: 842411
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.675 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 105 Resp: 980276
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.413 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

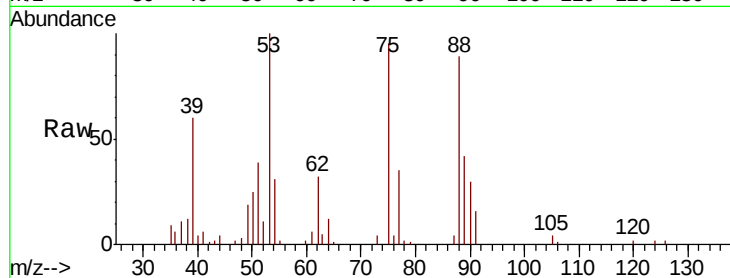
Tot Ion: 75 Resp: 50478

Ion Ratio Lower Upper

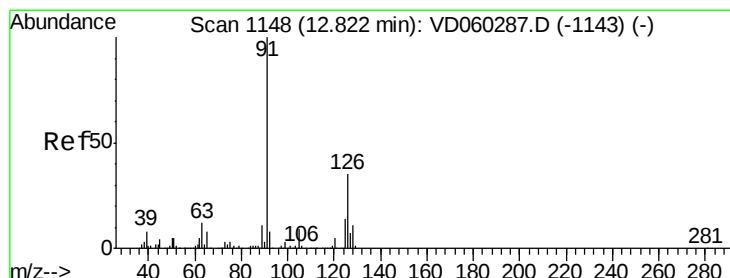
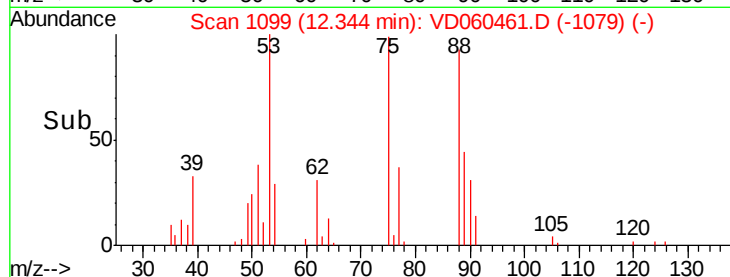
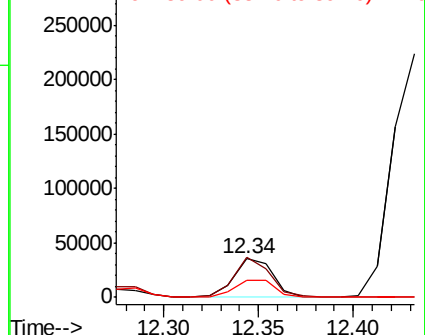
75 100

53 105.1 68.6 103.0#

89 44.3 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 22.518 ug/l

RT: 12.82 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060461.D

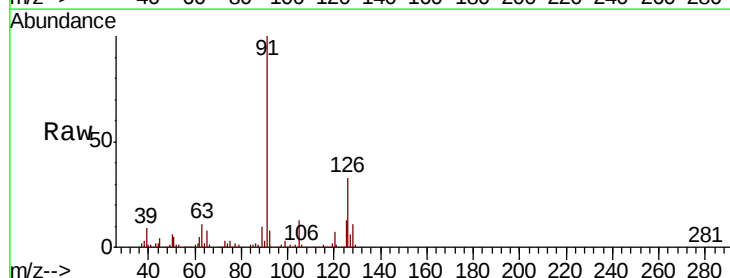
Acq: 29 Nov 2018 12:08

Tgt Ion: 91 Resp: 961906

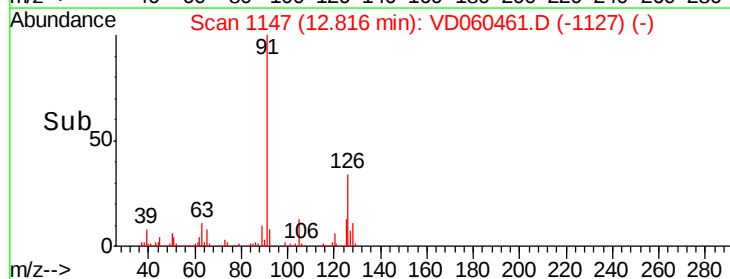
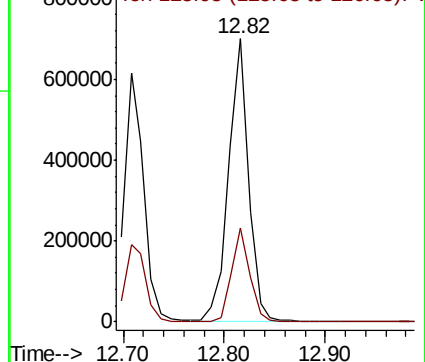
Ion Ratio Lower Upper

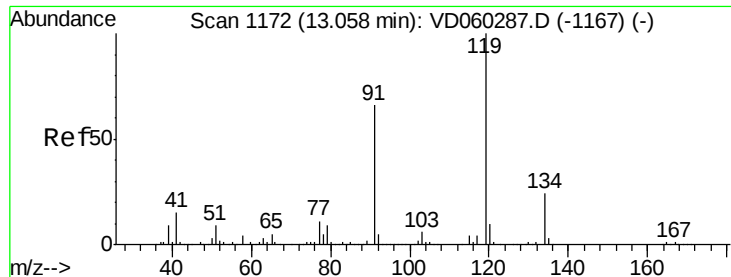
91 100

126 33.4 14.8 44.4



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





#83

tert-Butylbenzene

Concen: 22.718 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

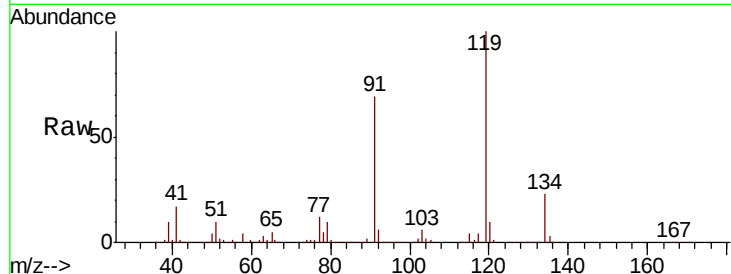
Tot Ion:119 Resp: 1090360

Ion Ratio Lower Upper

119 100

91 69.2 32.7 98.1

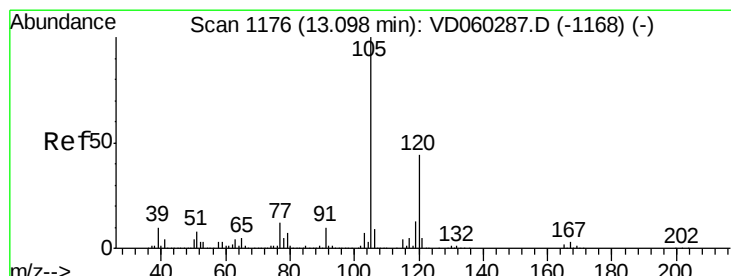
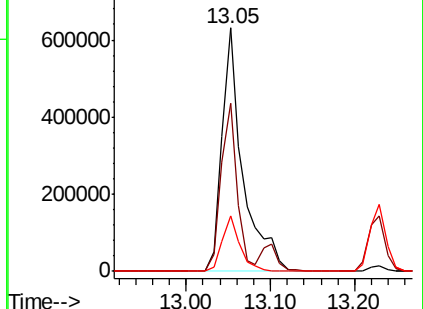
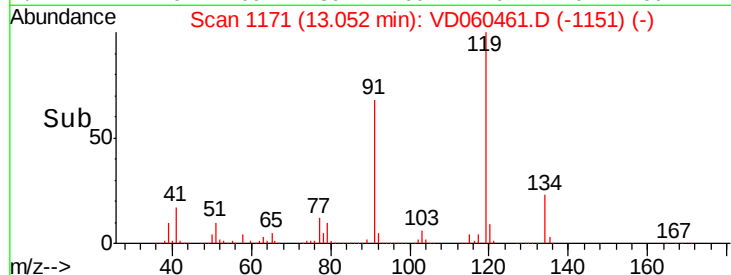
134 22.7 12.1 36.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.414 ug/l

RT: 13.10 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060461.D

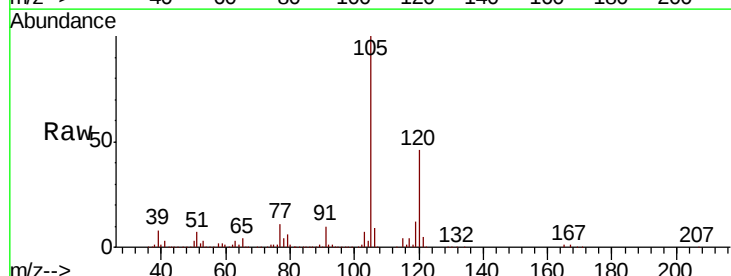
Acq: 29 Nov 2018 12:08

Tgt Ion:105 Resp: 967739

Ion Ratio Lower Upper

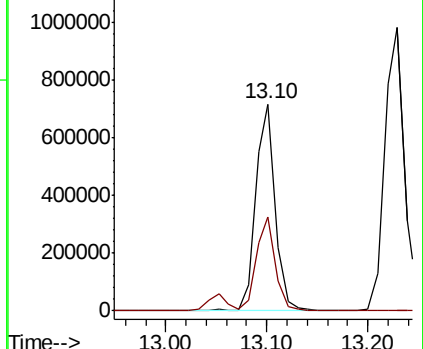
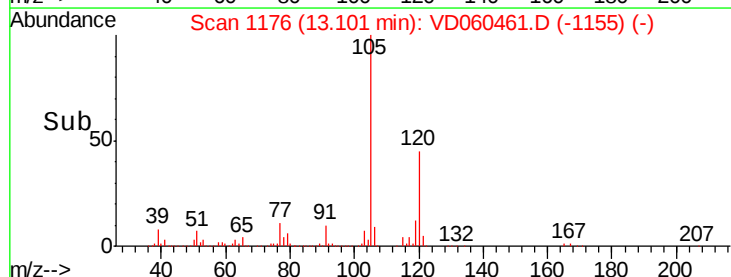
105 100

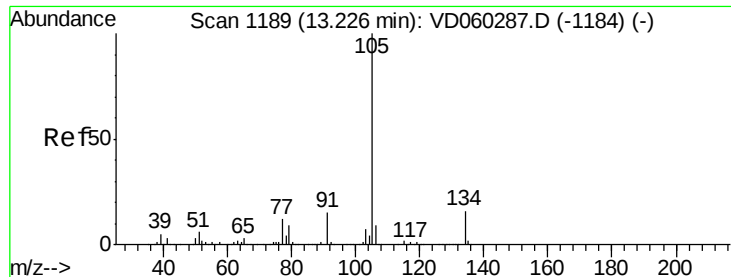
120 45.5 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

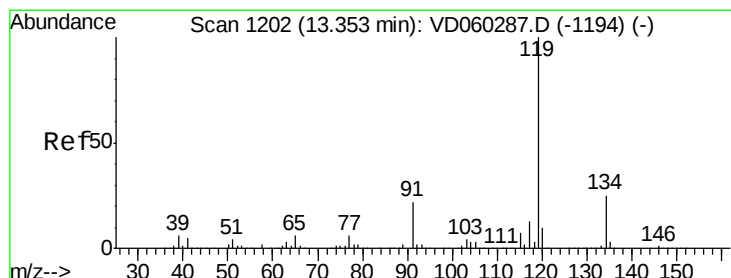
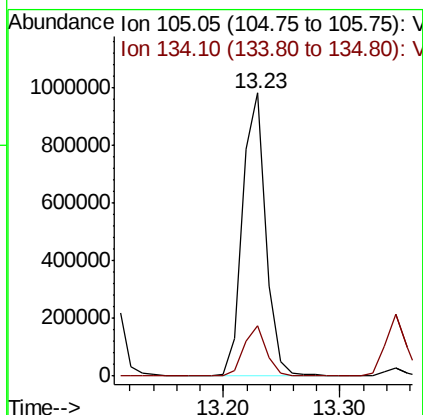
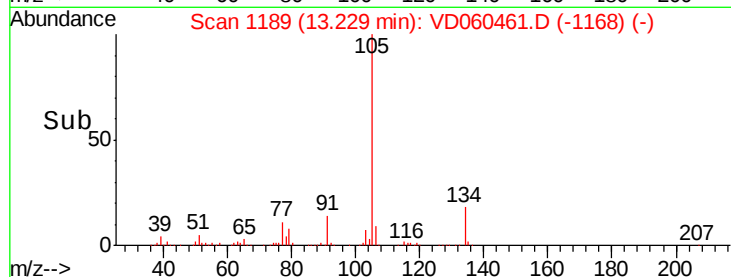
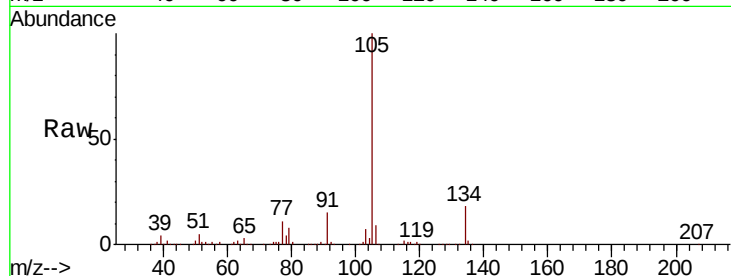




#85
 sec-Butylbenzene
 Concen: 22.925 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

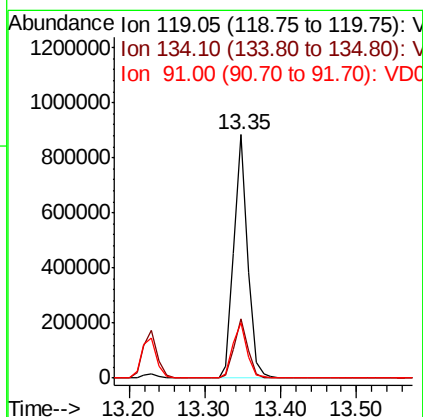
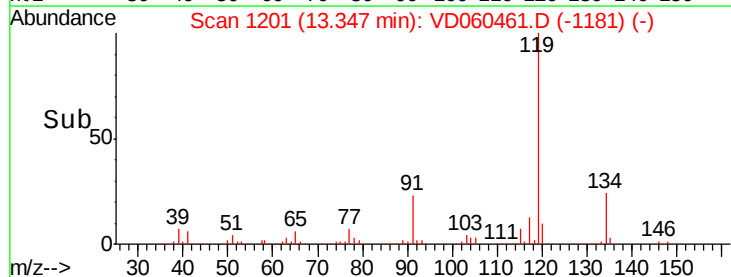
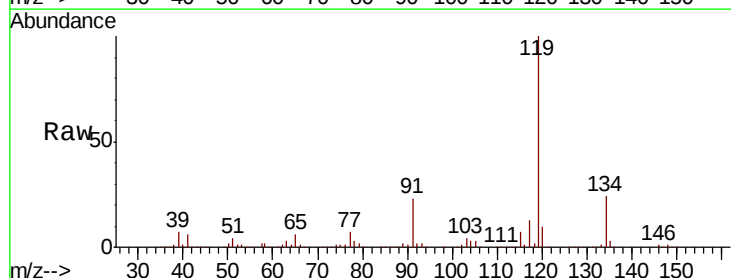
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1129SBSD01

Tot Ion:105 Resp: 1349923
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 23.018 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion:119 Resp: 1091535
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.9 38.6
 91 23.0 11.3 33.8

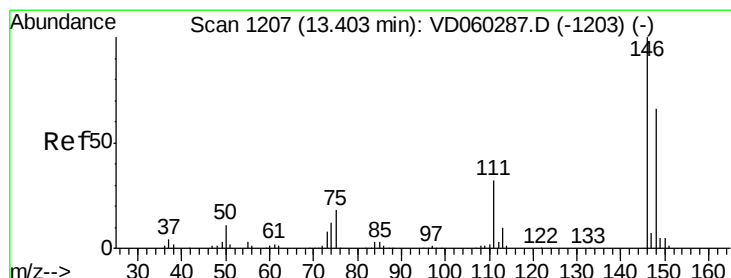
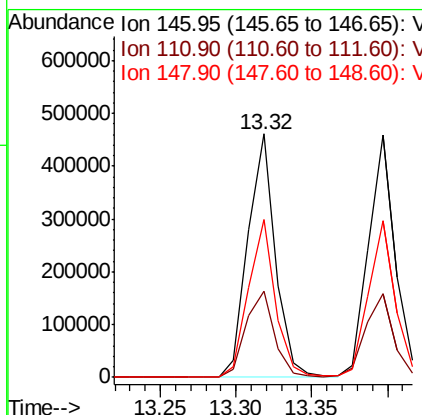
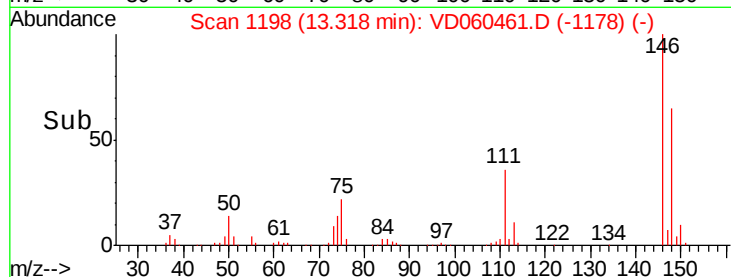
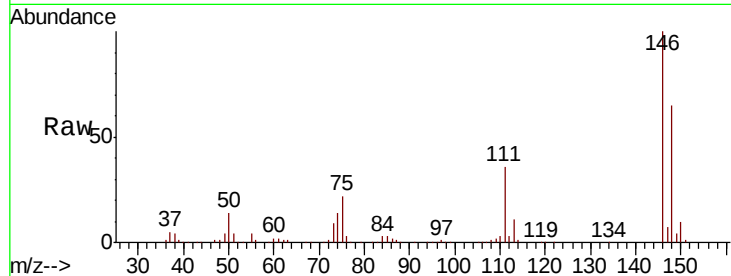




#87
 1,3-Dichlorobenzene
 Concen: 22.169 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

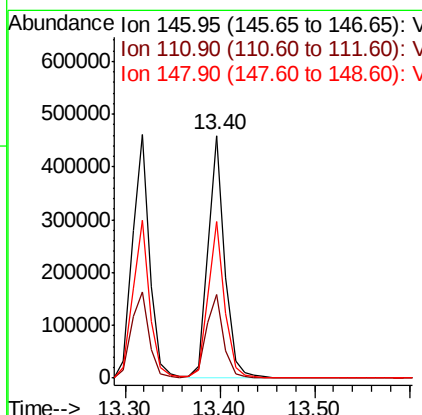
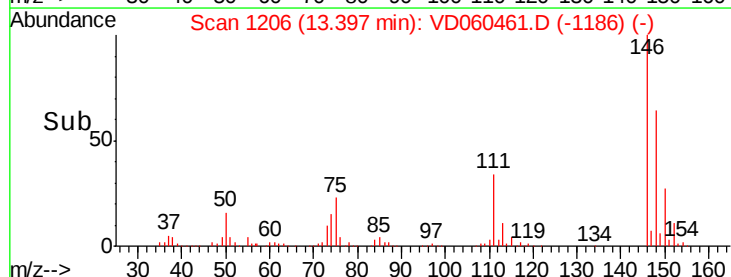
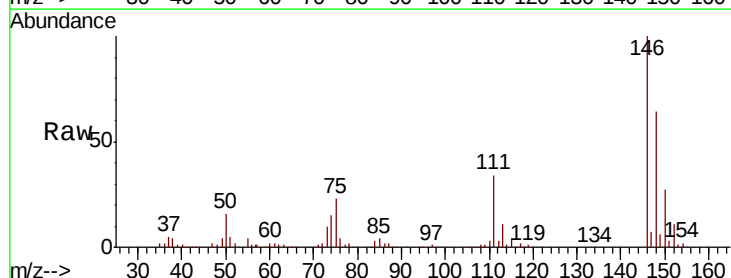
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBSD01

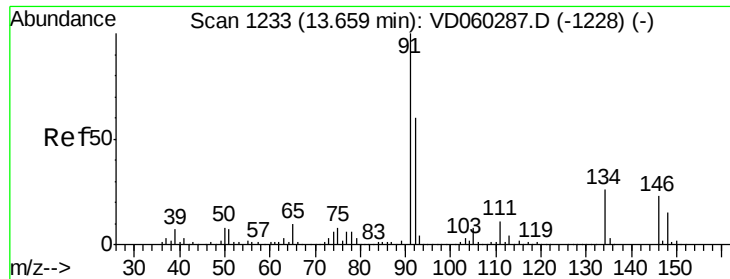
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	20.2	60.5
148	65.0	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 22.274 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	16.0	47.9
148	64.4	32.9	98.7

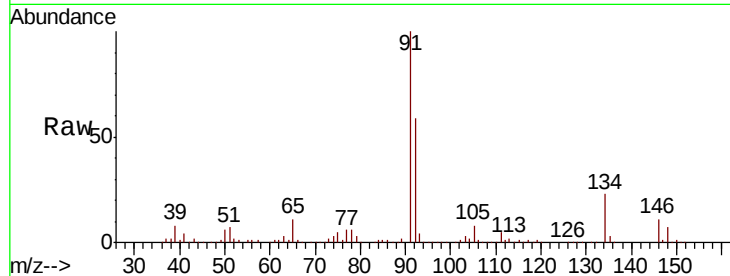




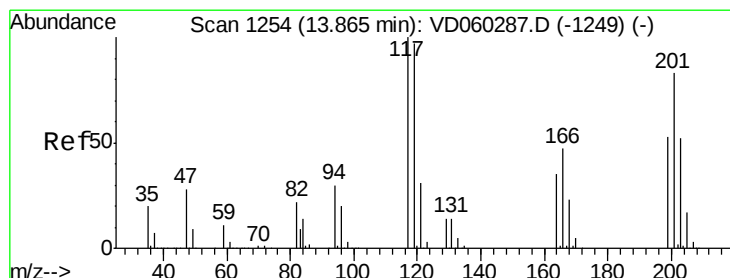
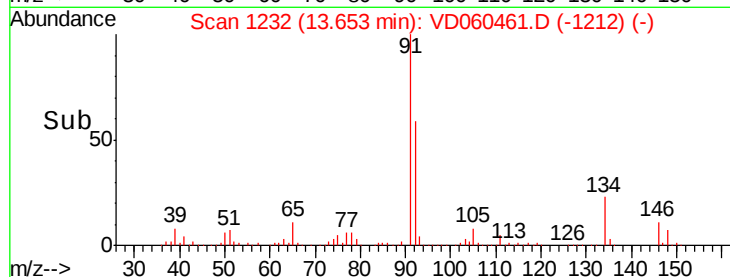
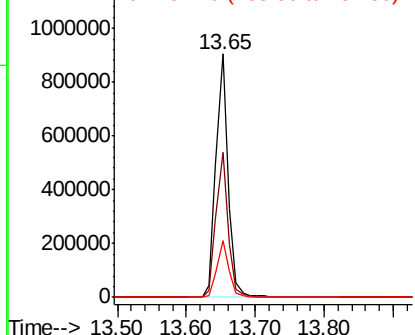
#89
n-Butylbenzene
Concen: 21.251 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1129SBSD01

Tot Ion: 91 Resp: 1101085
Ion Ratio Lower Upper
91 100
92 59.4 30.3 90.9
134 23.2 13.0 38.9

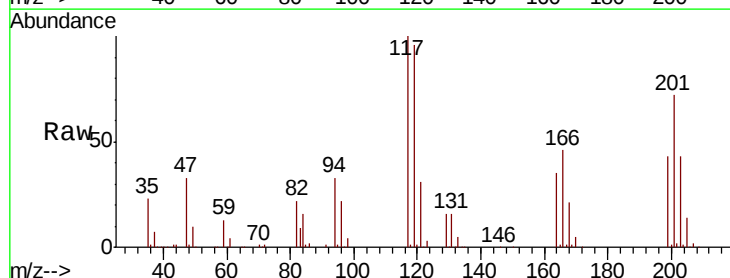


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

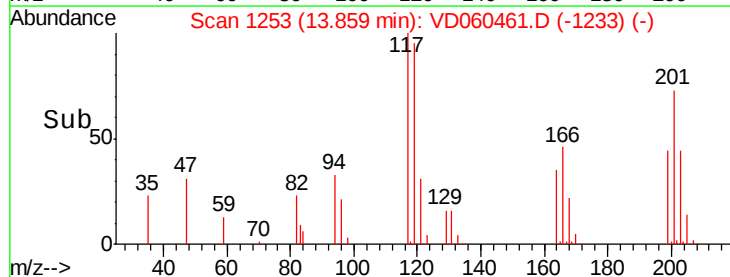
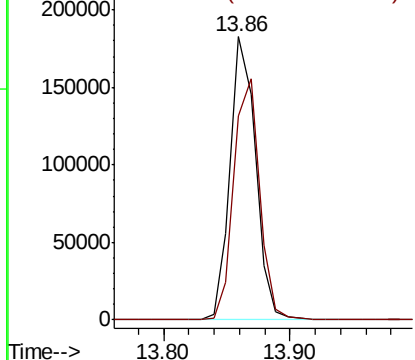


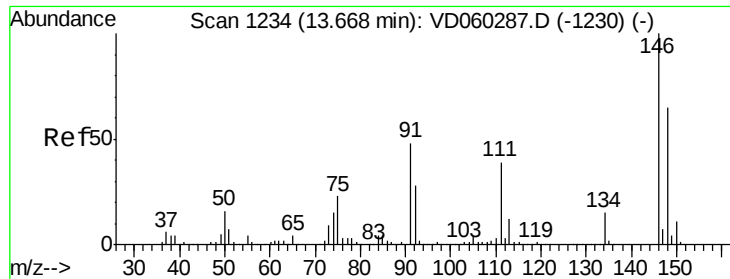
#90
Hexachloroethane
Concen: 22.688 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060461.D
Acq: 29 Nov 2018 12:08

Tgt Ion: 117 Resp: 255113
Ion Ratio Lower Upper
117 100
201 72.0 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

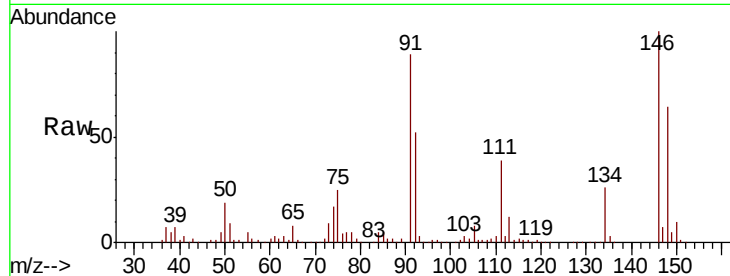




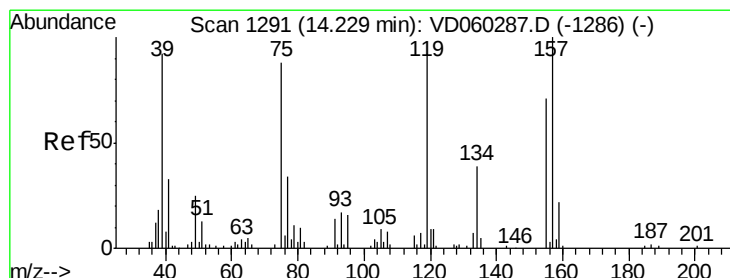
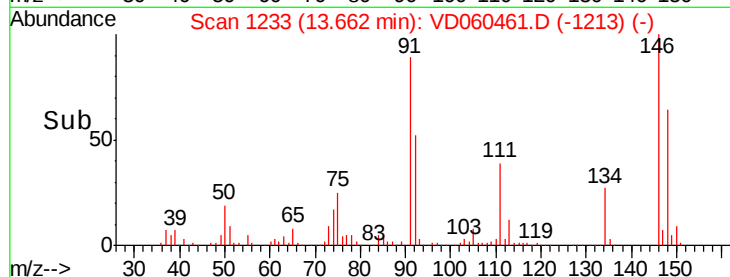
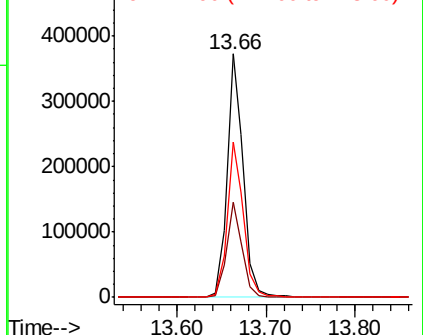
#91
 1,2-Dichlorobenzene
 Concen: 22.011 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion:146 Resp: 475286
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.9 56.9
 148 63.5 31.6 94.8

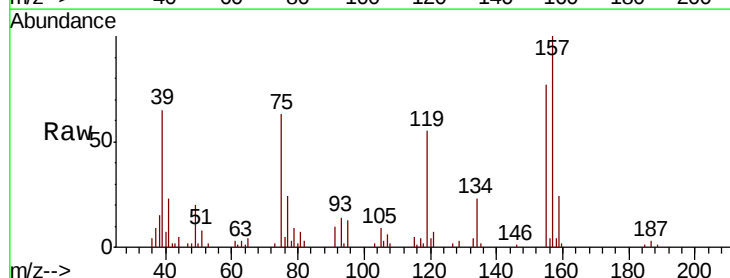


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

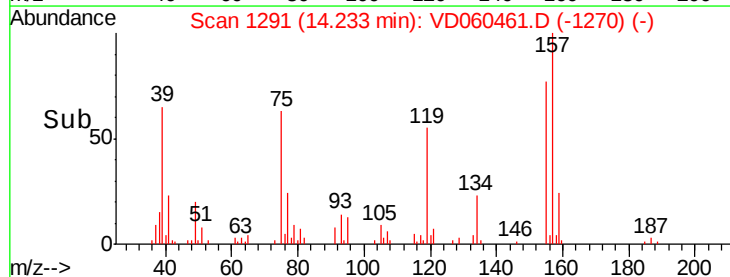
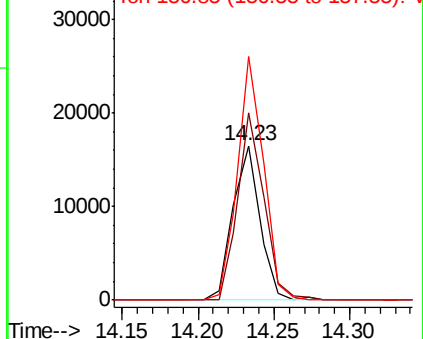


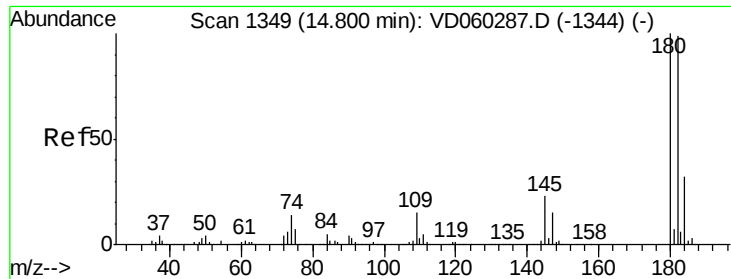
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.685 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion: 75 Resp: 20519
 Ion Ratio Lower Upper
 75 100
 155 121.7 64.3 192.9
 157 158.0 81.0 243.1



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

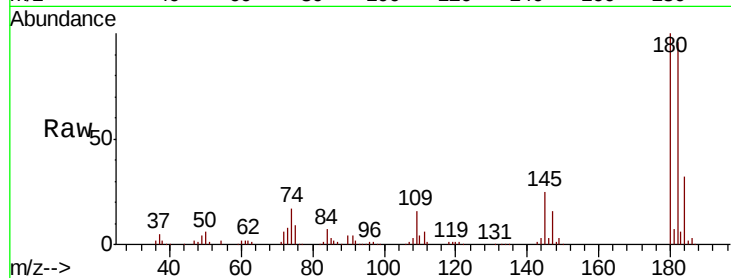




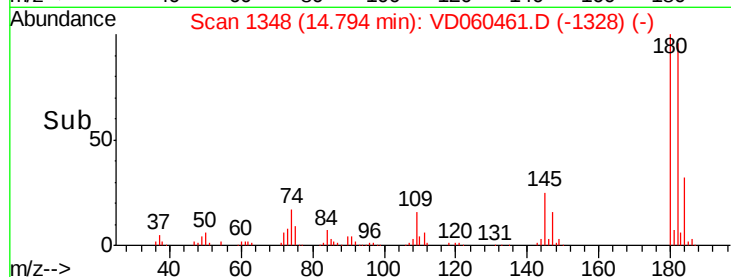
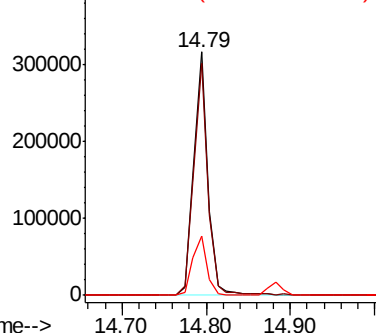
#93
 1,2,4-Trichlorobenzene
 Concen: 21.623 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1129SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.4
145	24.6	11.5	34.4

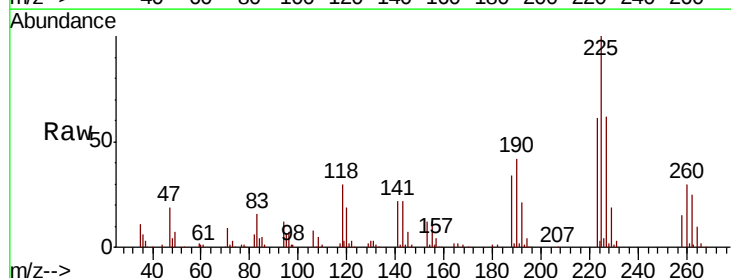


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

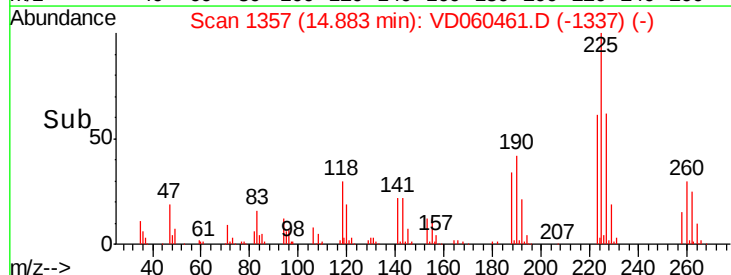
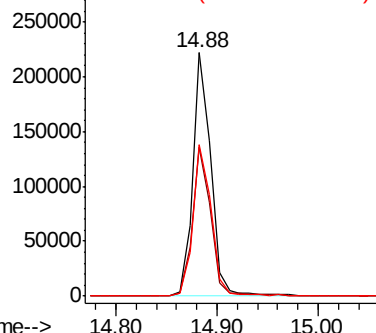


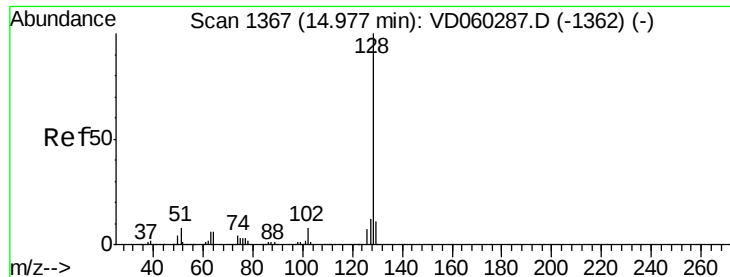
#94
 Hexachlorobutadiene
 Concen: 21.734 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060461.D
 Acq: 29 Nov 2018 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.6	94.8
227	62.1	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: 20.453 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1129SBSD01

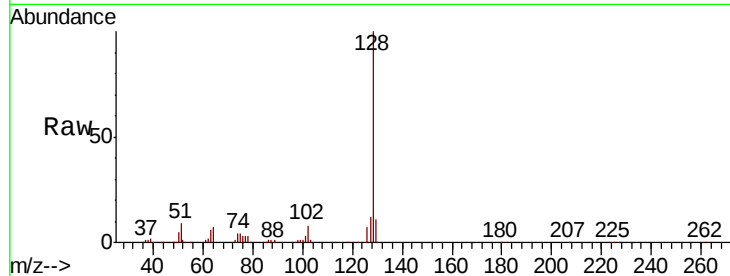
Tot Ion:128 Resp: 427562

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

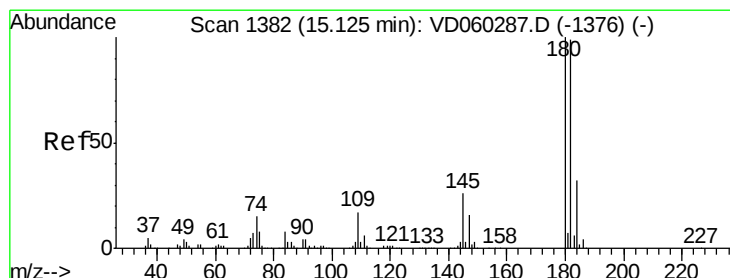
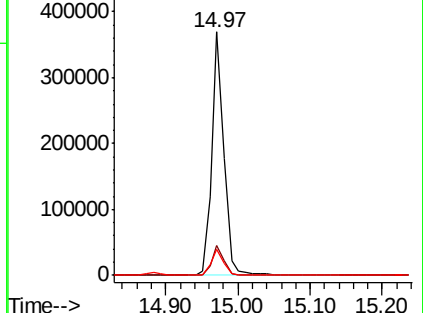
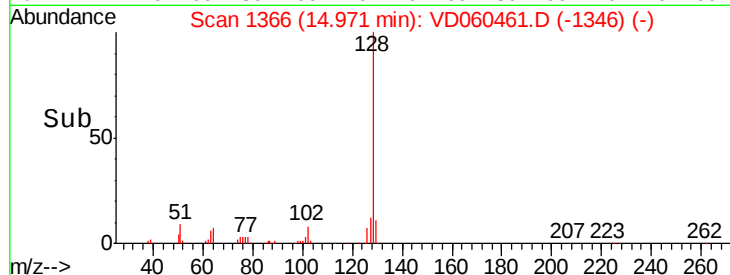
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.113 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060461.D

Acq: 29 Nov 2018 12:08

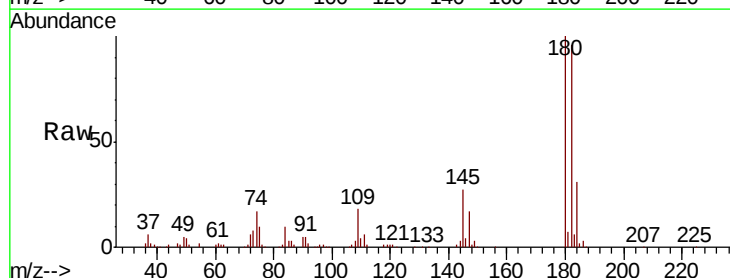
Tgt Ion:180 Resp: 289644

Ion Ratio Lower Upper

180 100

182 96.3 48.9 146.7

145 26.7 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

