

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122118\
 Data File : VD060679.D
 Acq On : 21 Dec 2018 13:02
 Operator : VA/AP
 Sample : VD1221SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Quant Time: Dec 21 13:53:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1288111	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.48	114	1735360	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1443442	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	751865	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	499399	56.10	ug/l	0.03
Spiked Amount	50.000		Recovery	=	112.20%	
35) Dibromofluoromethane	6.35	113	723711	56.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.96%	
50) Toluene-d8	9.48	98	2096757	55.33	ug/l	0.03
Spiked Amount	50.000		Recovery	=	110.66%	
62) 4-Bromofluorobenzene	12.45	95	751818	56.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	113.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	300922	18.283	ug/l	100
3) Chloromethane	1.77	50	283157	18.693	ug/l	96
4) Vinyl Chloride	1.87	62	218676	18.183	ug/l	98
5) Bromomethane	2.16	94	31982	11.872	ug/l	83
6) Chloroethane	2.27	64	64202	17.889	ug/l	98
7) Trichlorofluoromethane	2.53	101	254926	19.058	ug/l	99
8) Diethyl Ether	2.85	74	43833	19.586	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.12	101	162179	18.691	ug/l	95
10) Methyl Iodide	3.27	142	167849	18.407	ug/l	99
11) Tert butyl alcohol	4.01	59	34978	94.021	ug/l #	92
12) 1,1-Dichloroethene	3.10	96	132647	18.606	ug/l	95
13) Acrolein	3.01	56	44793	118.153	ug/l	95
14) Allyl chloride	3.56	41	248555	19.000	ug/l	94
15) Acrylonitrile	4.12	53	221464	102.537	ug/l	97
16) Acetone	3.19	43	144869	93.189	ug/l	98
17) Carbon Disulfide	3.34	76	416481	18.292	ug/l	98
18) Methyl Acetate	3.59	43	73785	19.151	ug/l	95
19) Methyl tert-butyl Ether	4.16	73	367041	20.292	ug/l	96
20) Methylene Chloride	3.75	84	318848	19.750	ug/l	98
21) trans-1,2-Dichloroethene	4.13	96	284026	19.453	ug/l	94
22) Diisopropyl ether	4.89	45	889414	20.024	ug/l	100
23) Vinyl Acetate	4.84	43	2186782	101.763	ug/l	99
24) 1,1-Dichloroethane	4.79	63	453895	19.428	ug/l	99
25) 2-Butanone	5.66	43	297806	100.110	ug/l	100
26) 2,2-Dichloropropane	5.63	77	357667	19.394	ug/l	99
27) cis-1,2-Dichloroethene	5.63	96	300834	20.297	ug/l	96
28) Bromochloromethane	5.96	49	181527	18.392	ug/l	97
29) Tetrahydrofuran	5.99	42	169893	100.743	ug/l	99
30) Chloroform	6.14	83	467484	19.886	ug/l	99
31) Cyclohexane	6.40	56	437150	19.443	ug/l	99
32) 1,1,1-Trichloroethane	6.32	97	380268	19.552	ug/l	98
36) 1,1-Dichloropropene	6.55	75	356456	19.948	ug/l	98
37) Ethyl Acetate	5.73	43	161067	21.552	ug/l	96
38) Carbon Tetrachloride	6.53	117	320239	20.314	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	409527	20.094	ug/l	99
40) Benzene	6.83	78	952560	20.637	ug/l	98
41) Methacrylonitrile	5.98	41	181557	43.920	ug/l #	72
42) 1,2-Dichloroethane	6.93	62	234818	20.500	ug/l	98
43) Isopropyl Acetate	8.38	43	188062	19.609	ug/l #	100
44) Trichloroethene	7.77	130	281811	20.628	ug/l	98
45) 1,2-Dichloropropane	8.14	63	230977	20.405	ug/l	97
46) Dibromomethane	8.25	93	133101	20.602	ug/l	95
47) Bromodichloromethane	8.52	83	309035	20.196	ug/l	97
48) Methyl methacrylate	8.27	41	115356	19.804	ug/l	96
49) 1,4-Dioxane	8.26	88	22355	412.759	ug/l #	86
51) 4-Methyl-2-Pentanone	9.38	43	610566	103.911	ug/l	98
52) Toluene	9.58	92	585959	20.250	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	259569	20.333	ug/l	97
54) cis-1,3-Dichloropropene	9.13	75	330344	19.770	ug/l	97
55) 1,1,2-Trichloroethane	10.21	97	156731	20.131	ug/l	98
56) Ethyl methacrylate	10.06	69	147902	20.453	ug/l	96
57) 1,3-Dichloropropane	10.41	76	258589	20.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.95	63	463818	108.854	ug/l	96
59) 2-Hexanone	10.52	43	437158	106.290	ug/l	98
60) Dibromochloromethane	10.66	129	208801	21.055	ug/l	100
61) 1,2-Dibromoethane	10.78	107	167492	20.741	ug/l	97
64) Tetrachloroethene	10.28	164	257261	19.664	ug/l	97
65) Chlorobenzene	11.33	112	633739	19.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	210288	20.508	ug/l	98
67) Ethyl Benzene	11.45	91	1103122	20.198	ug/l	97
68) m/p-Xylenes	11.59	106	821730	41.169	ug/l	97
69) o-Xylene	11.95	106	392059	20.704	ug/l	93
70) Styrene	11.97	104	619726	20.320	ug/l	96
71) Bromoform	12.14	173	135115	19.962	ug/l #	98
73) Isopropylbenzene	12.30	105	1089918	20.360	ug/l	99
74) N-amyl acetate	12.15	43	247868	19.619	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	184768	21.294	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	173708	20.293	ug/l	100
77) Bromobenzene	12.56	156	290848	20.579	ug/l	93
78) n-propylbenzene	12.65	91	1358830	19.855	ug/l	95
79) 2-Chlorotoluene	12.72	91	764943	20.868	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	849077	20.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.36	75	45228	19.121	ug/l	94
82) 4-Chlorotoluene	12.83	91	864080	20.798	ug/l	92
83) tert-Butylbenzene	13.07	119	947328	20.137	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	860132	20.203	ug/l	96
85) sec-Butylbenzene	13.24	105	1191970	20.776	ug/l	95
86) p-Isopropyltoluene	13.36	119	950090	20.515	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	540984	20.852	ug/l	99
88) 1,4-Dichlorobenzene	13.41	146	526316	20.587	ug/l	98
89) n-Butylbenzene	13.67	91	1003367	21.202	ug/l	98
90) Hexachloroethane	13.87	117	224379	19.722	ug/l	82
91) 1,2-Dichlorobenzene	13.68	146	453540	21.792	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20828	20.432	ug/l	67

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration

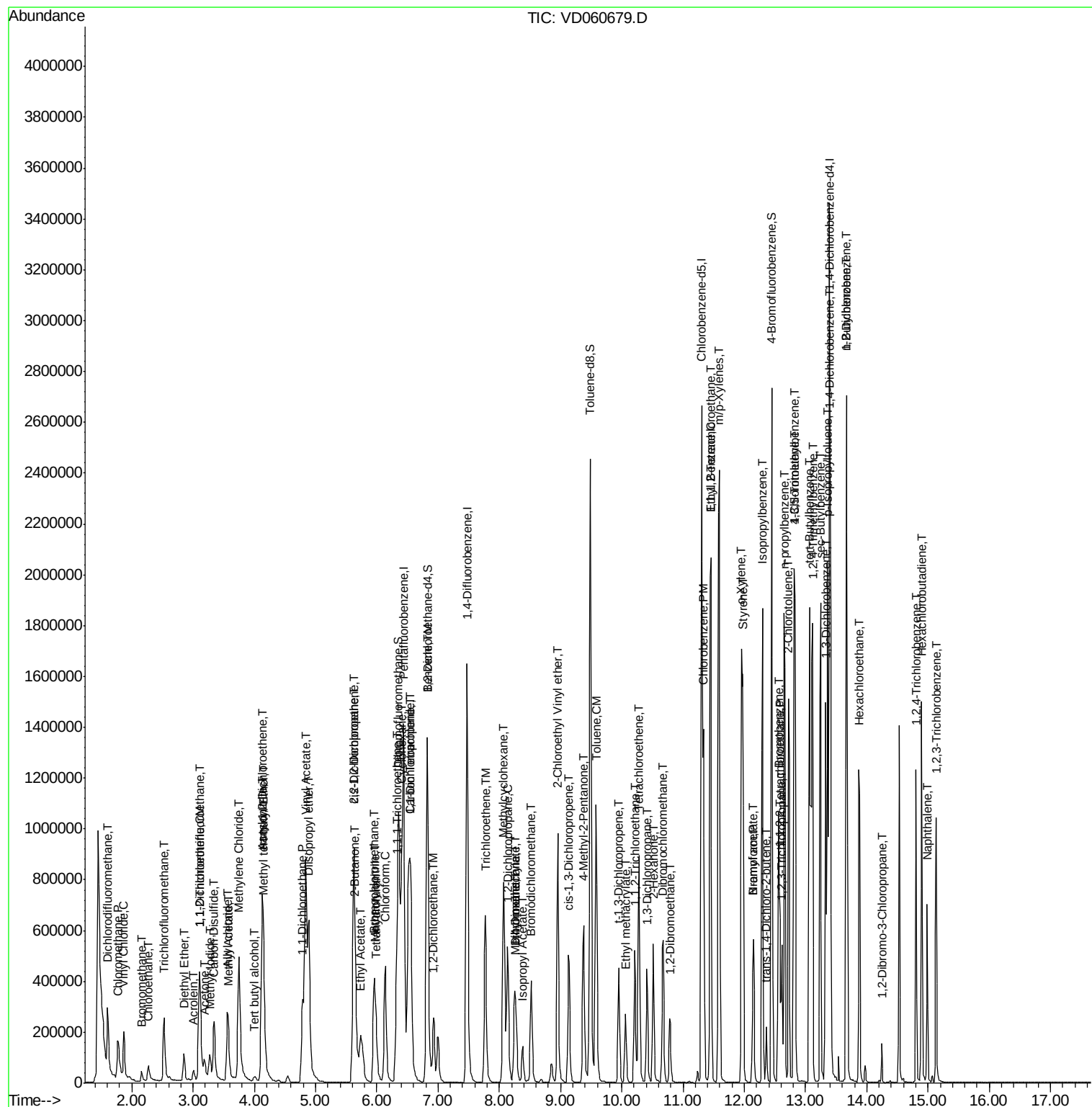
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	343150	20.721	ug/l	98
94) Hexachlorobutadiene	14.90	225	257094	21.003	ug/l	99
95) Naphthalene	14.98	128	400221	20.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	277999	21.474	ug/l	98

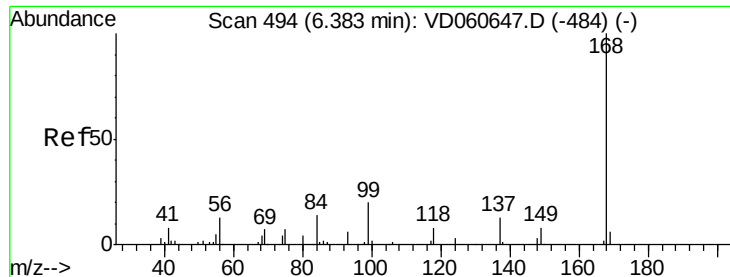
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 530

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

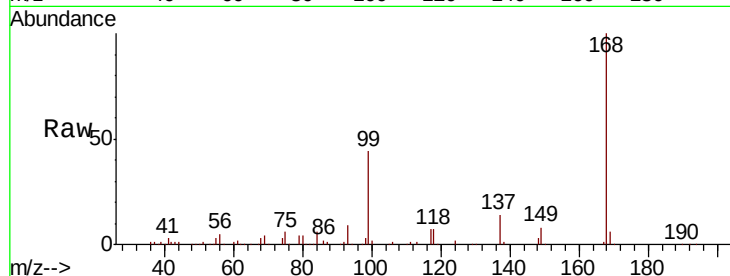
VD1221SBS01

Tot Ion:168 Resp: 1288111

Ion Ratio Lower Upper

168 100

99 44.3 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

500000

400000

300000

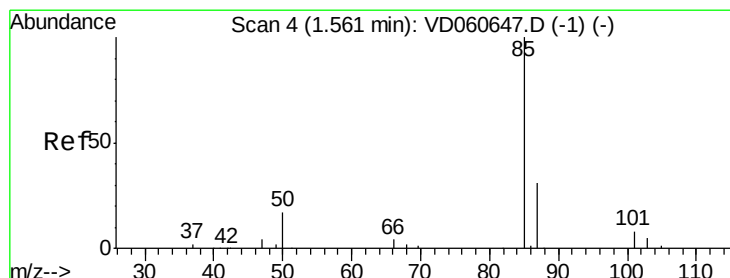
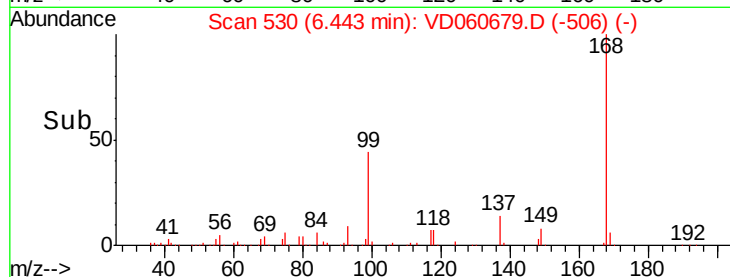
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.283 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060679.D

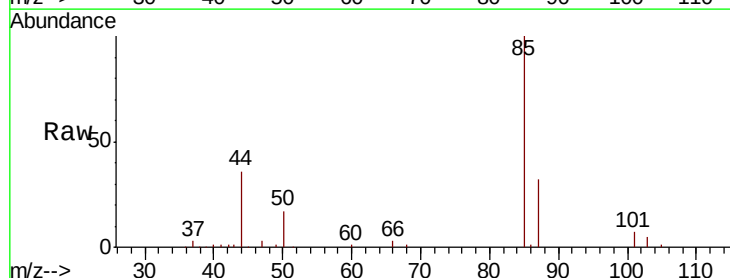
Acq: 21 Dec 2018 13:02

Tgt Ion: 85 Resp: 300922

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

150000

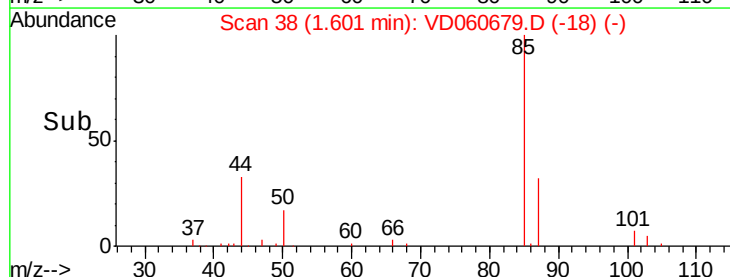
100000

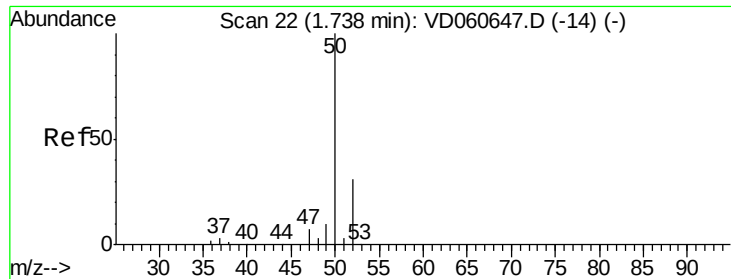
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.693 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

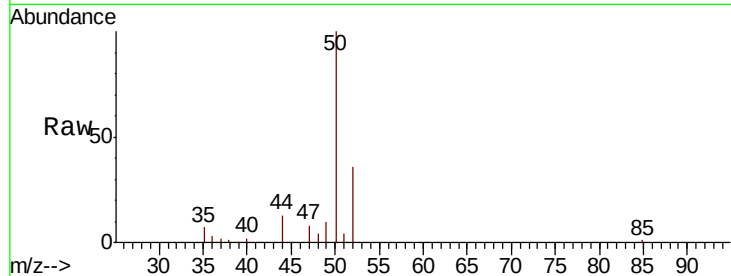
VD1221SBSD01

Tot Ion: 50 Resp: 283157

Ion Ratio Lower Upper

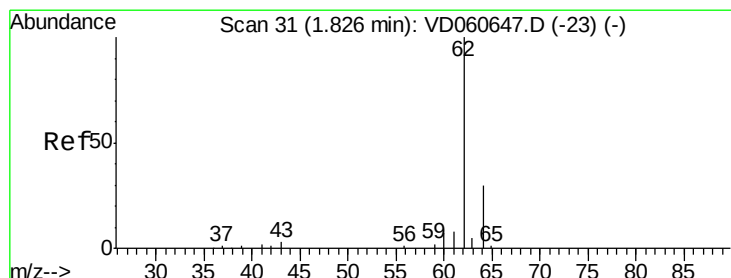
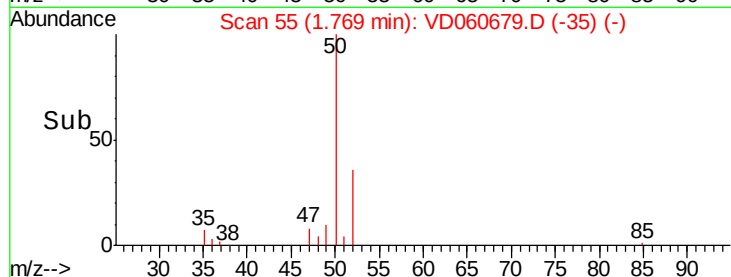
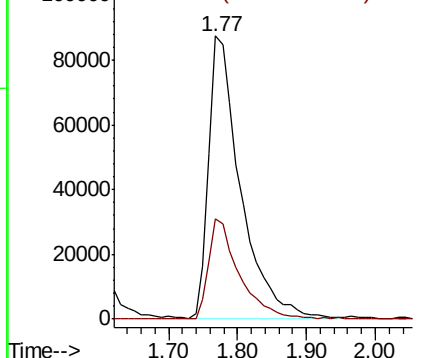
50 100

52 35.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.183 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060679.D

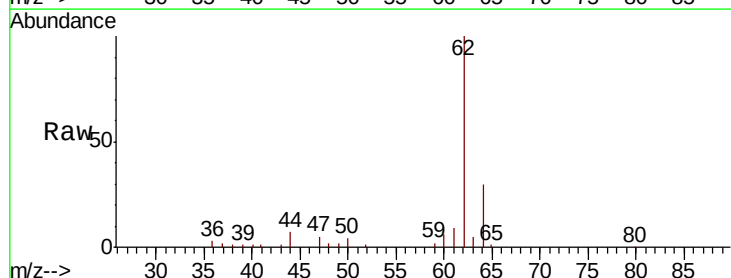
Acq: 21 Dec 2018 13:02

Tgt Ion: 62 Resp: 218676

Ion Ratio Lower Upper

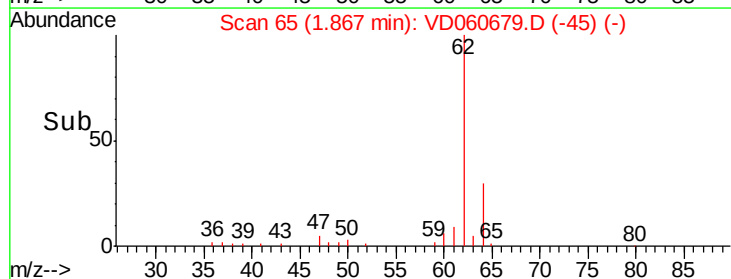
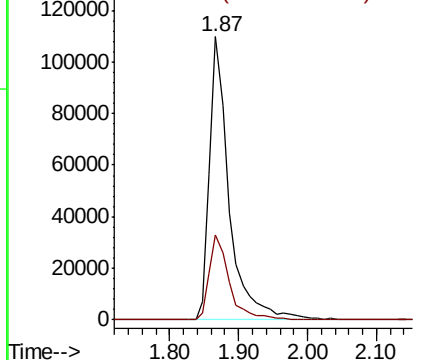
62 100

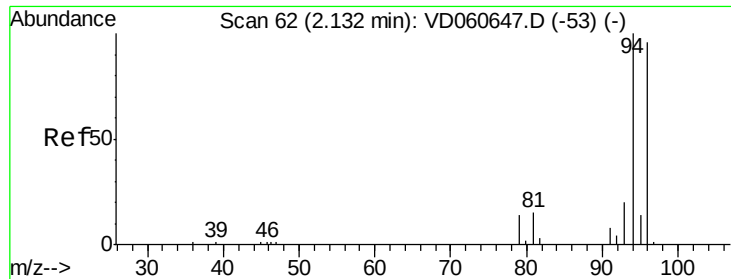
64 30.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.872 ug/l

RT: 2.16 min Scan# 95

Delta R.T. -0.00 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

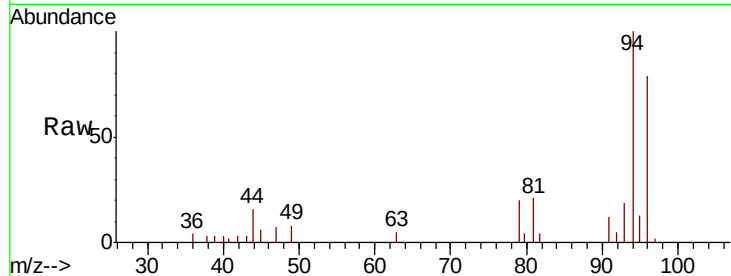
VD1221SBS01

Tot Ion: 94 Resp: 31982

Ion Ratio Lower Upper

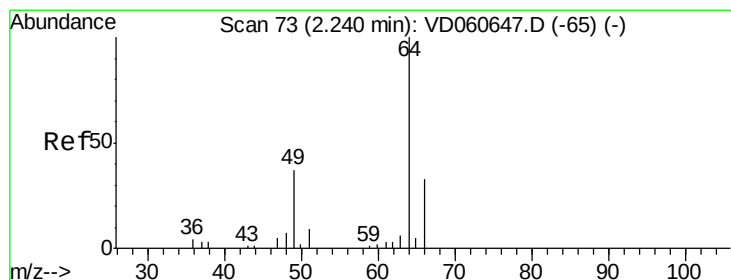
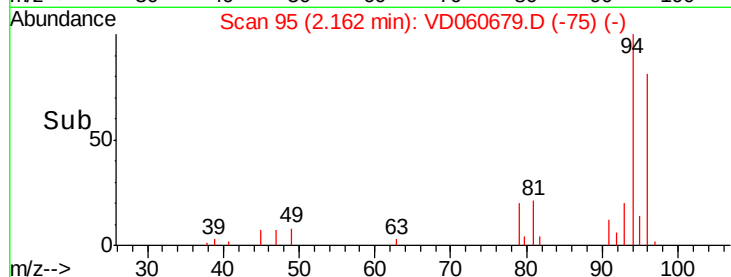
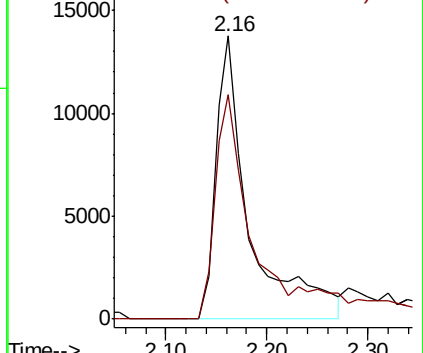
94 100

96 79.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.889 ug/l

RT: 2.27 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD060679.D

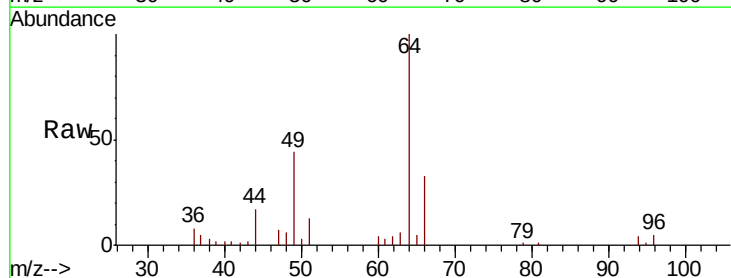
Acq: 21 Dec 2018 13:02

Tgt Ion: 64 Resp: 64202

Ion Ratio Lower Upper

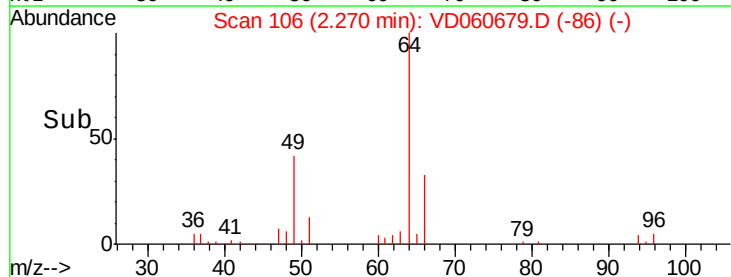
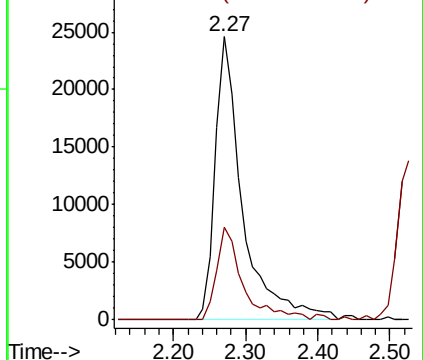
64 100

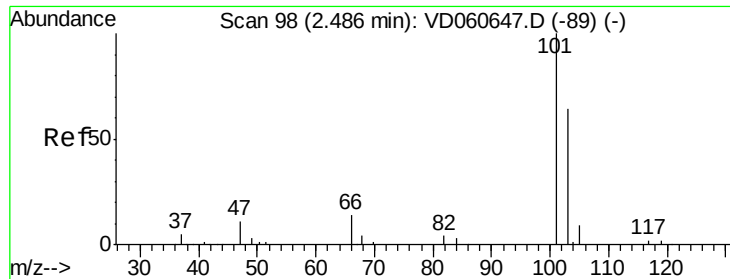
66 32.8 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



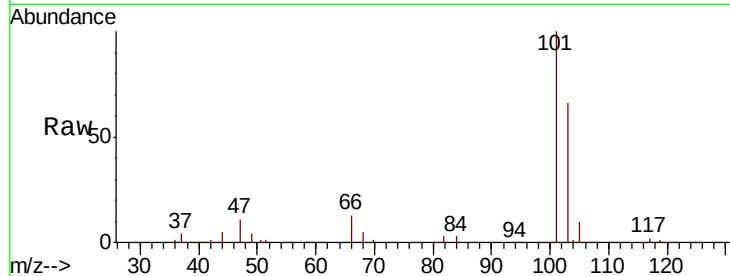


#7

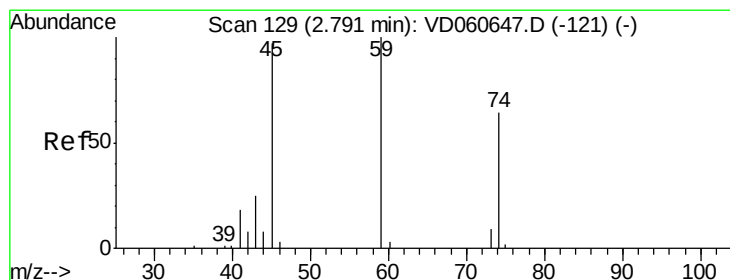
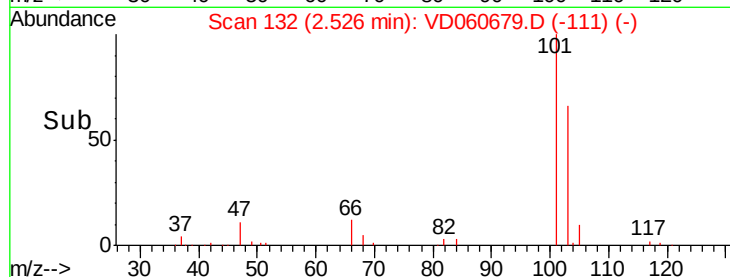
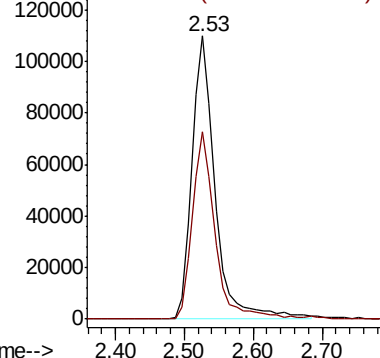
Trichlorofluoromethane
Concen: 19.058 ug/l
RT: 2.53 min Scan# 132
Delta R.T. 0.01 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tot Ion:101 Resp: 254926
Ion Ratio Lower Upper
101 100
103 66.0 51.9 77.9



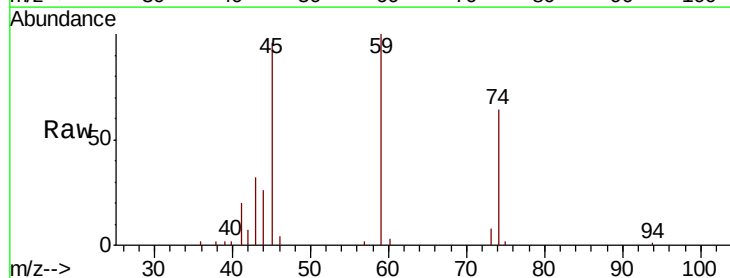
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



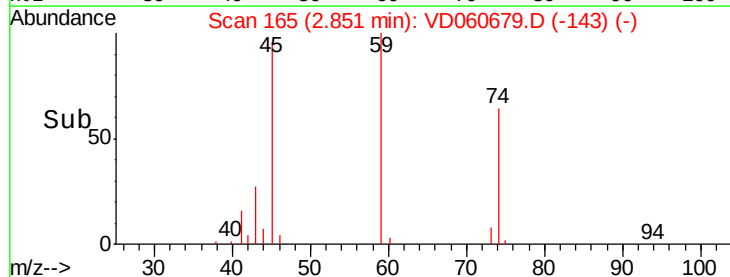
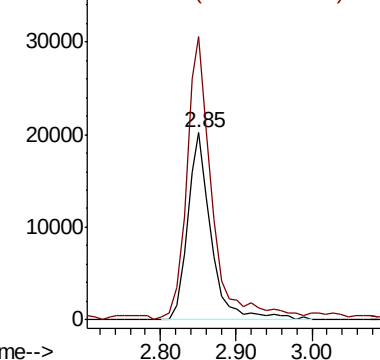
#8

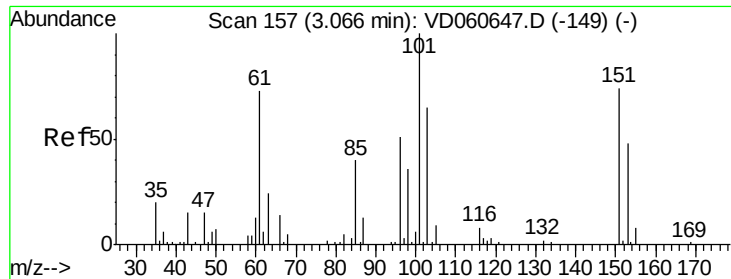
Diethyl Ether
Concen: 19.586 ug/l
RT: 2.85 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 74 Resp: 43833
Ion Ratio Lower Upper
74 100
45 151.3 79.3 238.1



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: 18.691 ug/l

RT: 3.12 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

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VD1221SBS01

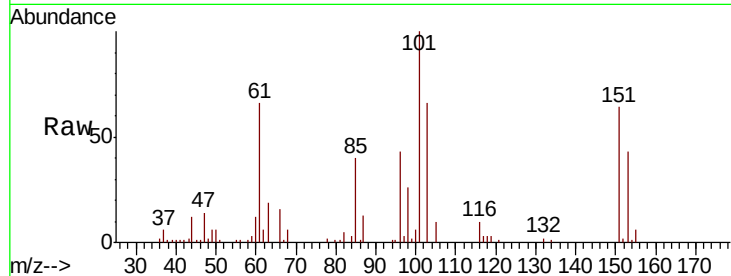
Tot Ion:101 Resp: 162179

Ion Ratio Lower Upper

101 100

85 39.5 33.4 50.0

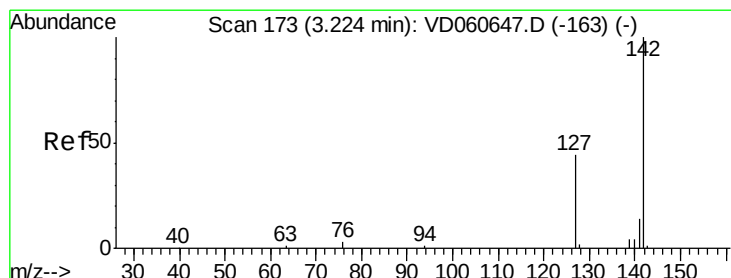
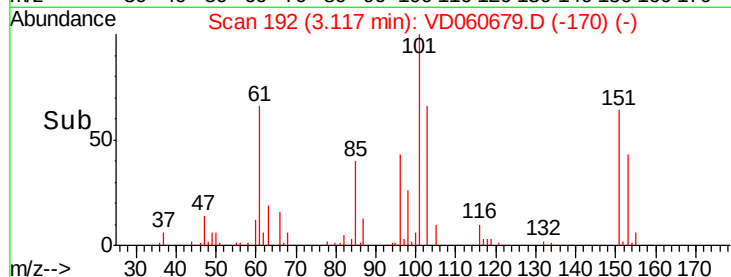
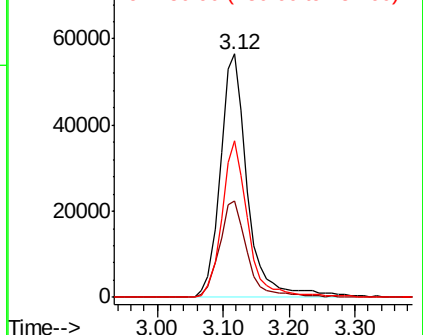
151 64.2 47.5 71.3



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: 18.407 ug/l

RT: 3.27 min Scan# 208

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

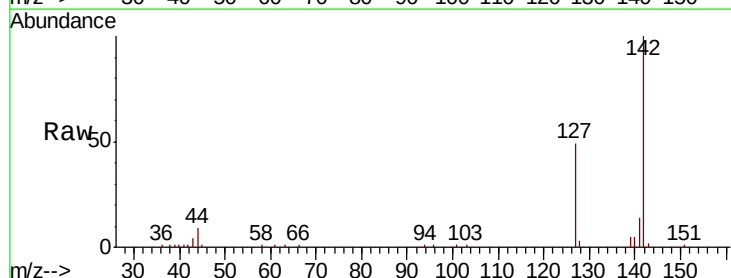
Tgt Ion:142 Resp: 167849

Ion Ratio Lower Upper

142 100

127 48.8 39.5 59.3

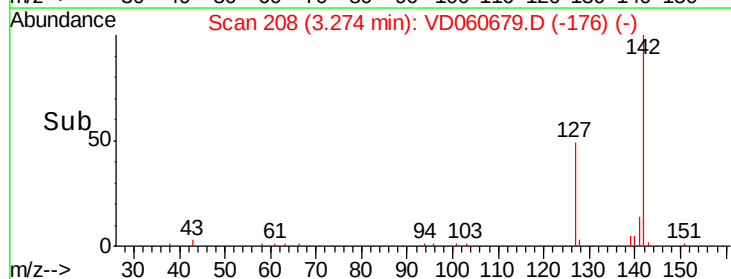
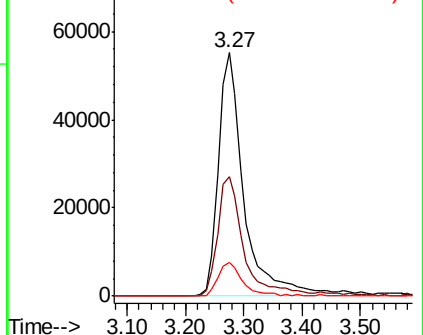
141 13.8 11.3 16.9

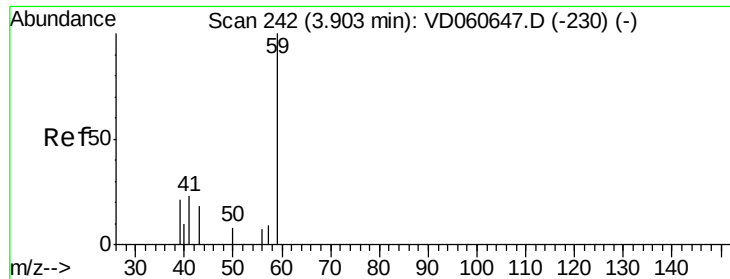


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



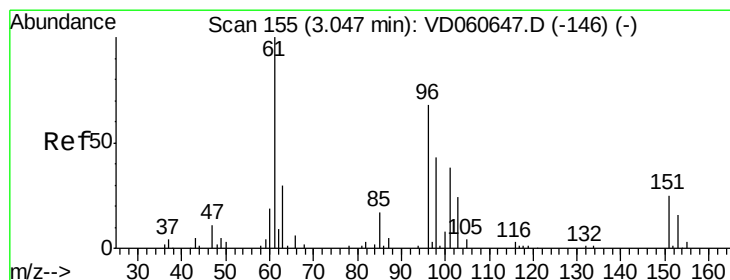
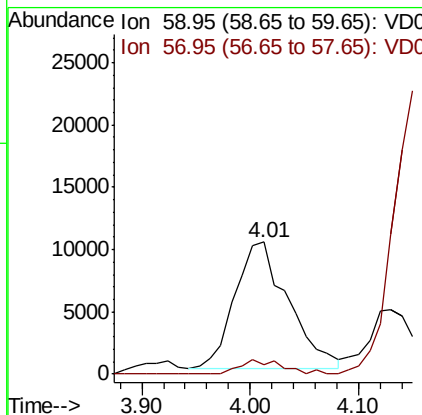
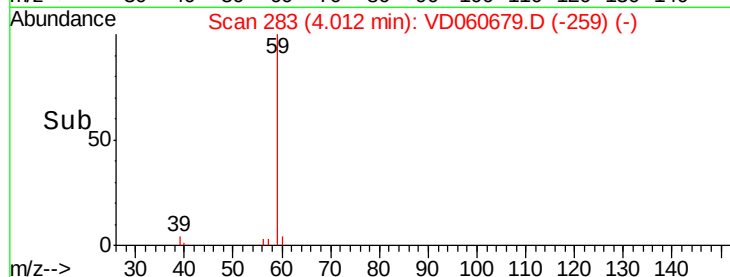
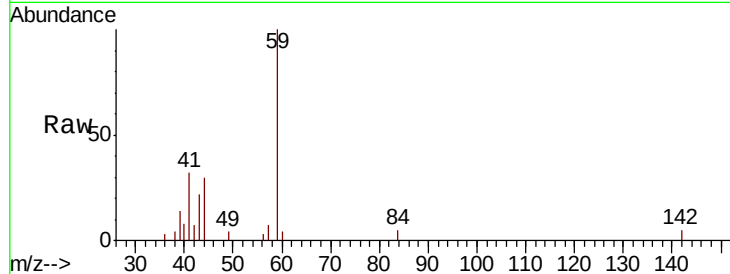


#11

Tert butyl alcohol
 Concen: 94.021 ug/l
 RT: 4.01 min Scan# 283
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

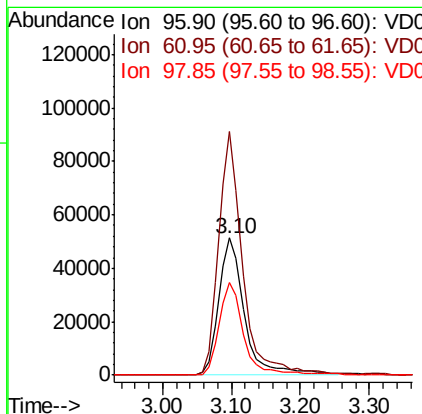
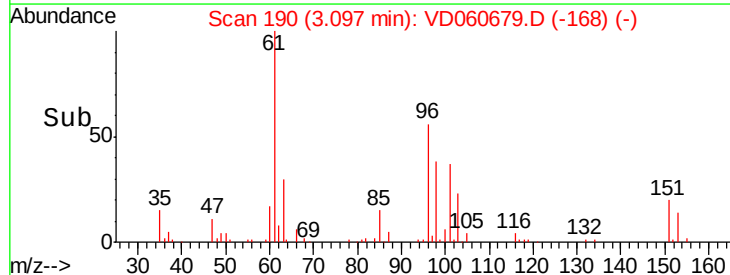
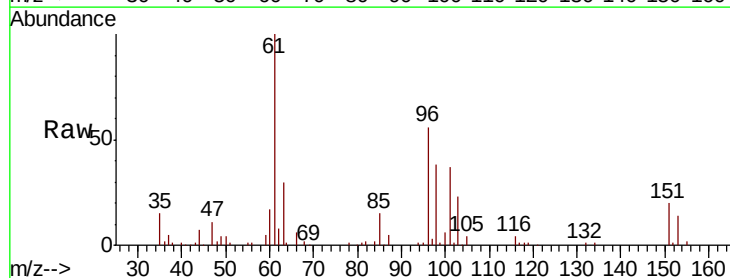
Tot Ion: 59 Resp: 34978
 Ion Ratio Lower Upper
 59 100
 57 6.9 7.8 11.6#

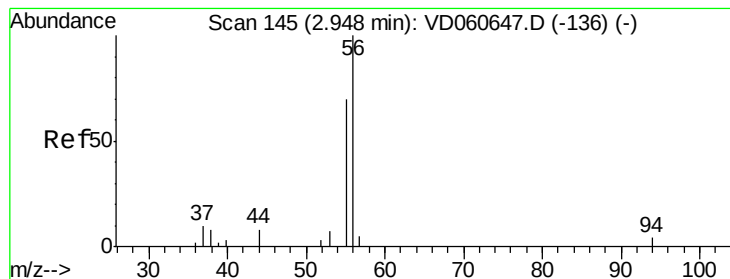


#12

1,1-Dichloroethene
 Concen: 18.606 ug/l
 RT: 3.10 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 96 Resp: 132647
 Ion Ratio Lower Upper
 96 100
 61 177.3 136.2 204.4
 98 67.8 50.7 76.1





#13

Acrolein

Concen: 118.153 ug/l

RT: 3.01 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

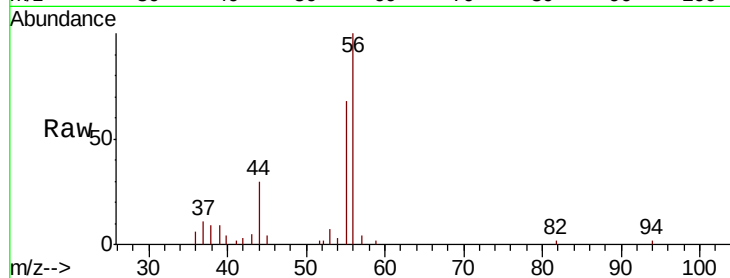
VD1221SBS01

Tot Ion: 56 Resp: 44793

Ion Ratio Lower Upper

56 100

55 68.3 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.01

20000

15000

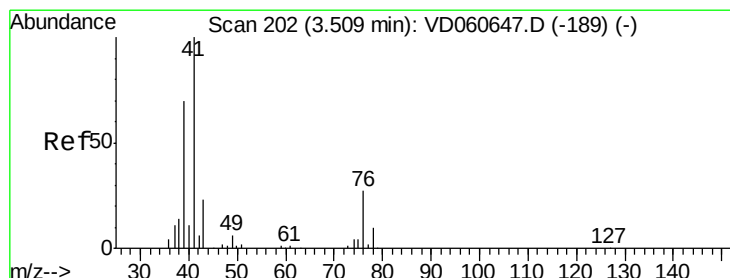
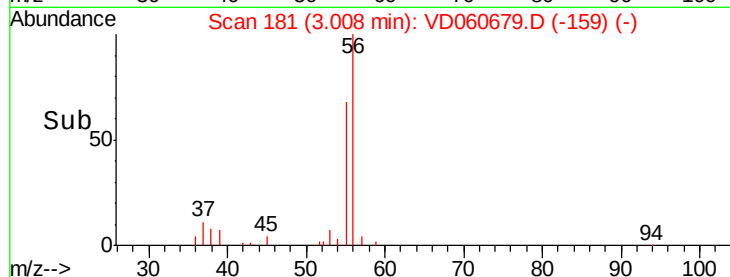
10000

5000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 19.000 ug/l

RT: 3.56 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

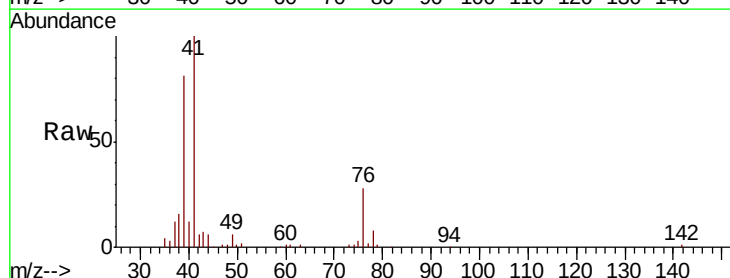
Tgt Ion: 41 Resp: 248555

Ion Ratio Lower Upper

41 100

39 80.9 59.6 89.4

76 27.7 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

120000

100000

80000

60000

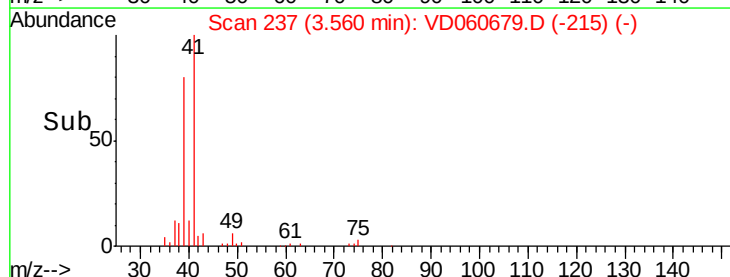
40000

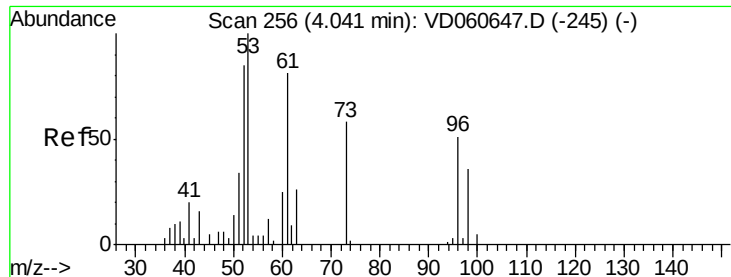
20000

0

Time-->

3.50 3.60 3.70





#15

Acrylonitrile

Concen: 102.537 ug/l

RT: 4.12 min Scan# 294

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

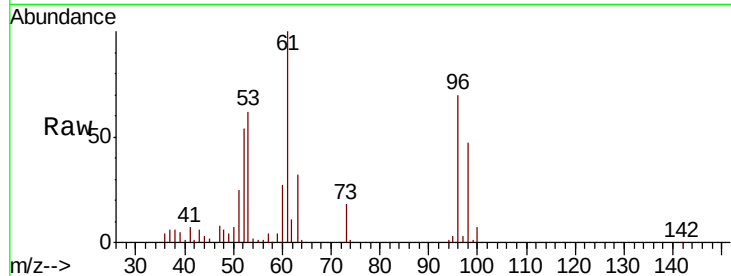
Tot Ion: 53 Resp: 221464

Ion Ratio Lower Upper

53 100

52 87.0 66.7 100.1

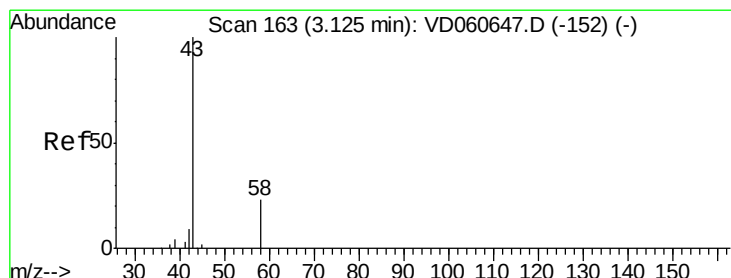
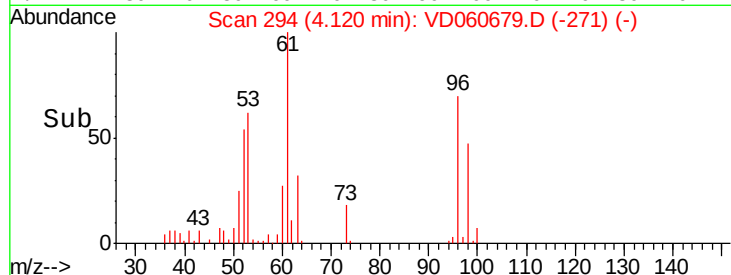
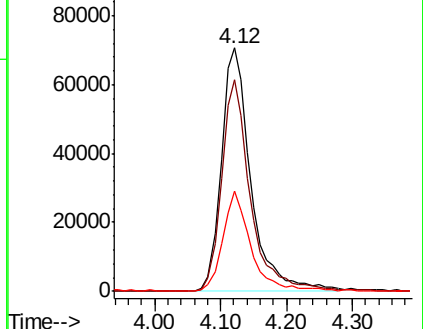
51 41.2 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.189 ug/l

RT: 3.19 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD060679.D

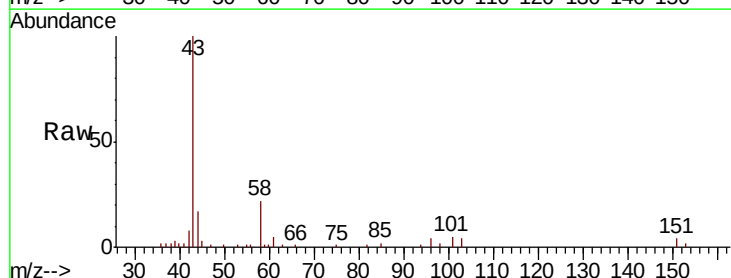
Acq: 21 Dec 2018 13:02

Tgt Ion: 43 Resp: 144869

Ion Ratio Lower Upper

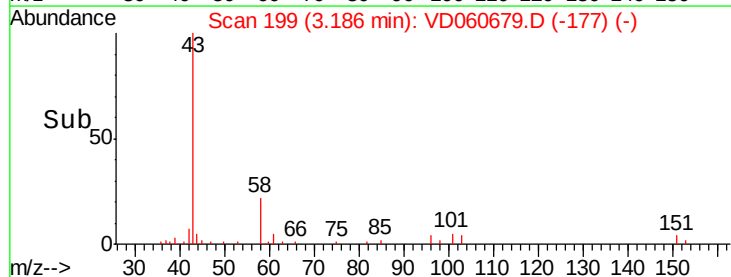
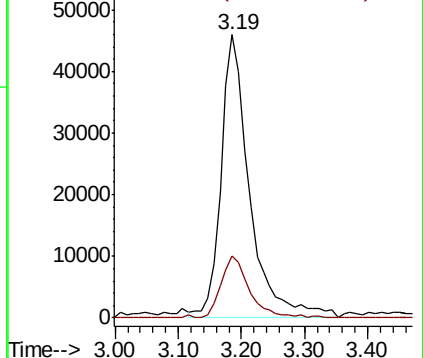
43 100

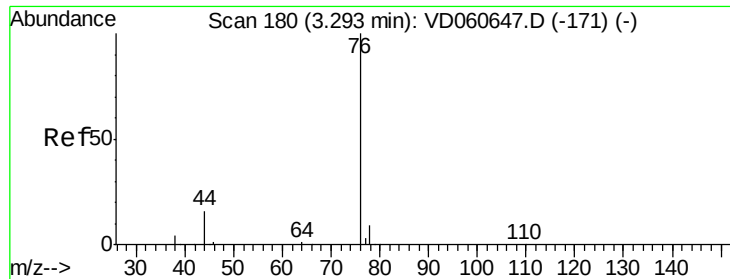
58 21.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.292 ug/l

RT: 3.34 min Scan# 215

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

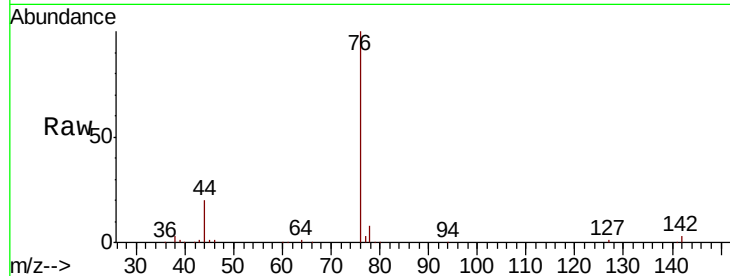
VD1221SBS01

Tot Ion: 76 Resp: 416481

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.34

150000

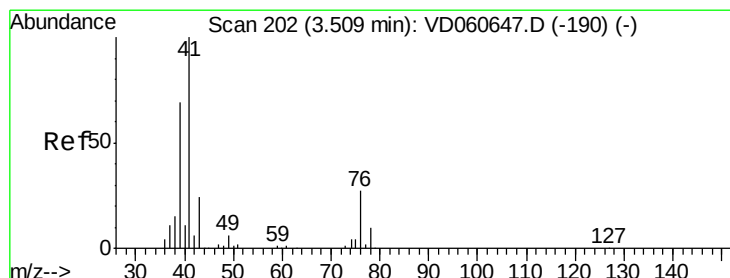
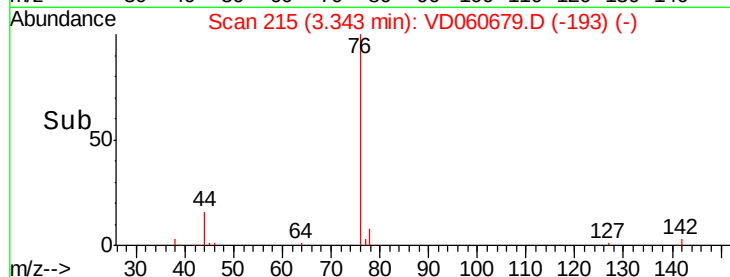
100000

50000

0

Time-->

3.20 3.30 3.40 3.50



#18

Methyl Acetate

Concen: 19.151 ug/l

RT: 3.59 min Scan# 240

Delta R.T. 0.03 min

Lab File: VD060679.D

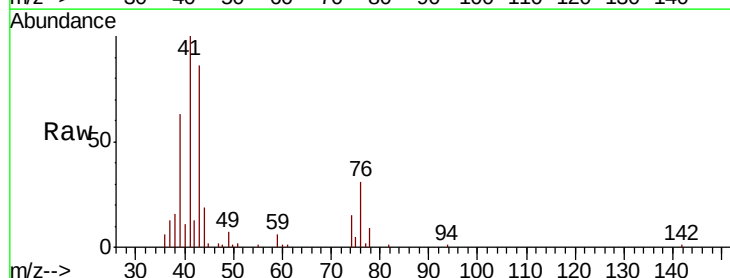
Acq: 21 Dec 2018 13:02

Tgt Ion: 43 Resp: 73785

Ion Ratio Lower Upper

43 100

74 17.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.59

30000

25000

20000

15000

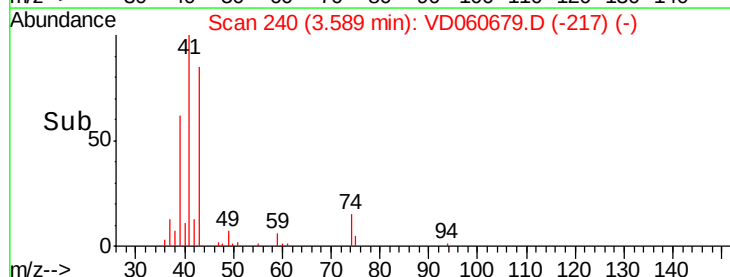
10000

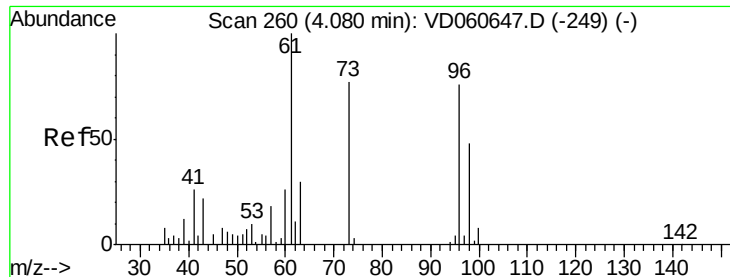
5000

0

Time-->

3.50 3.60 3.70



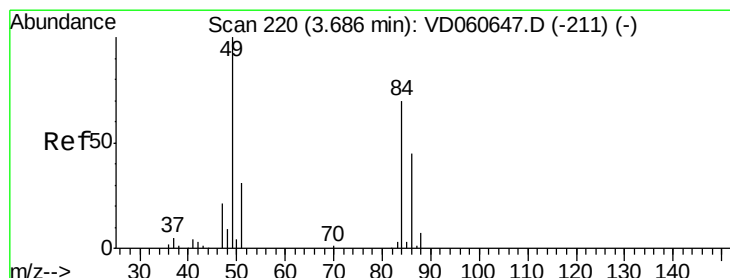
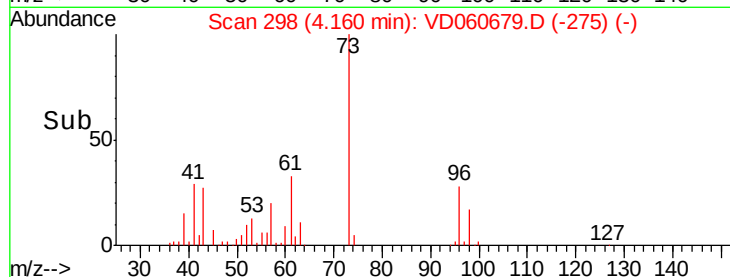
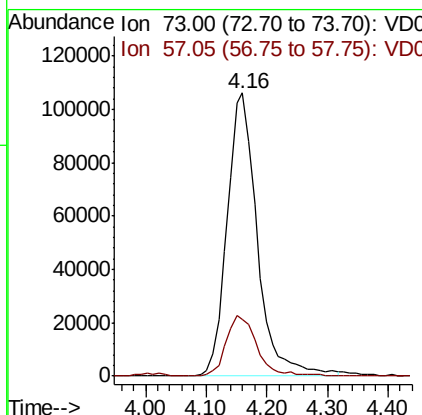
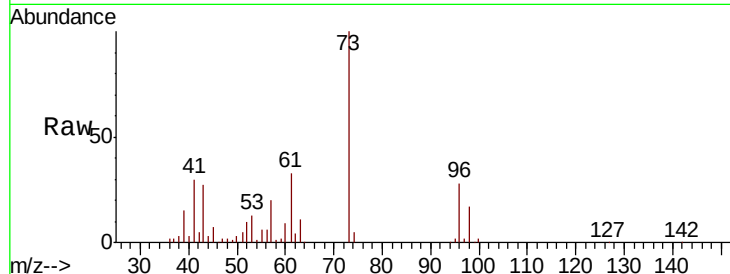


#19

Methvl tert-butyl Ether
 Concen: 20.292 ug/l
 RT: 4.16 min Scan# 298
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

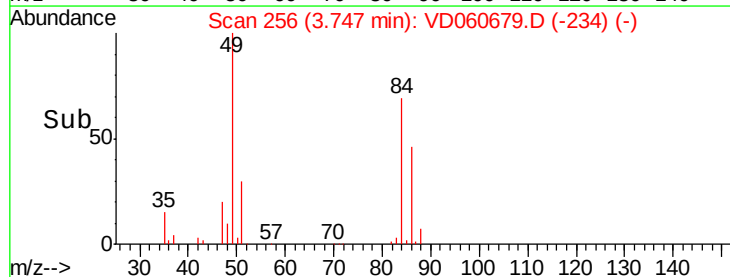
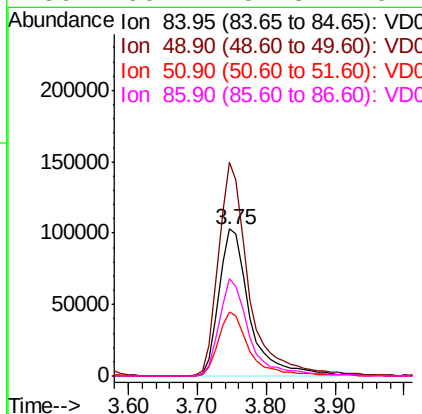
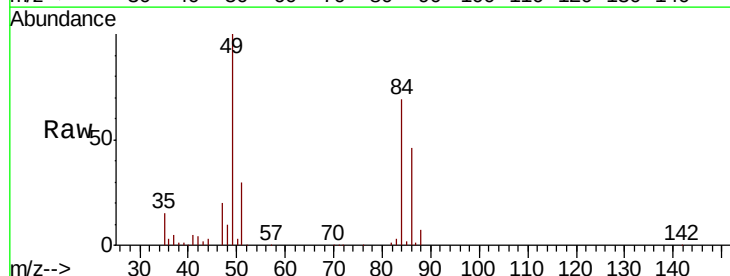
Tot Ion: 73 Resp: 367041
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.6 26.4

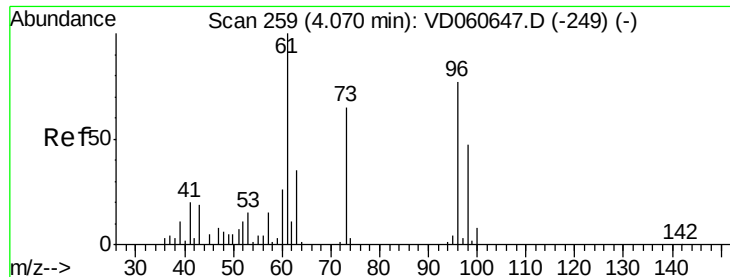


#20

Methylene Chloride
 Concen: 19.750 ug/l
 RT: 3.75 min Scan# 256
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 84 Resp: 318848
 Ion Ratio Lower Upper
 84 100
 49 145.7 113.6 170.4
 51 43.7 34.7 52.1
 86 66.4 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.453 ug/l

RT: 4.13 min Scan# 295

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

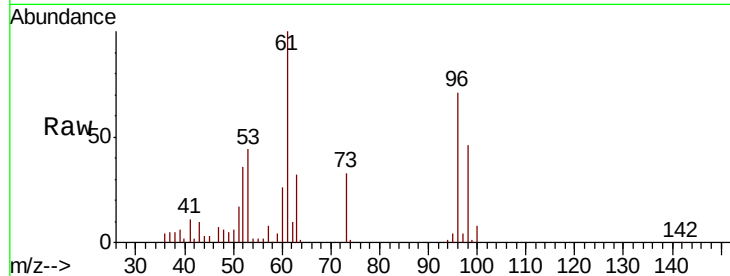
Tot Ion: 96 Resp: 284026

Ion Ratio Lower Upper

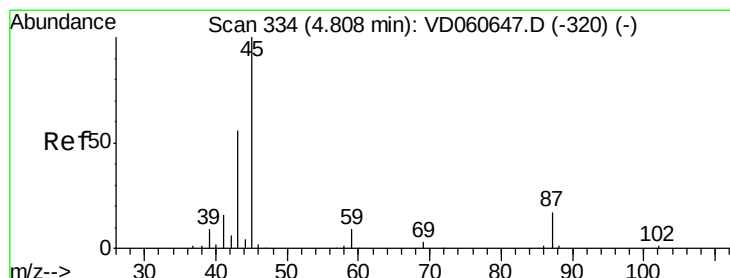
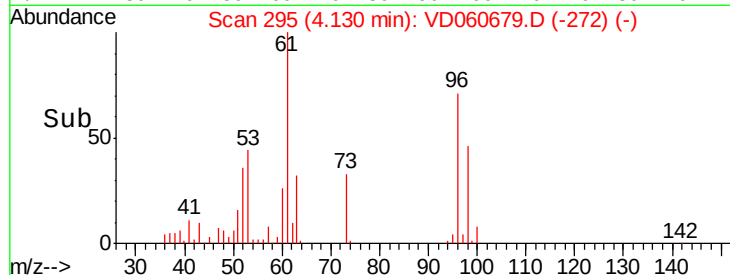
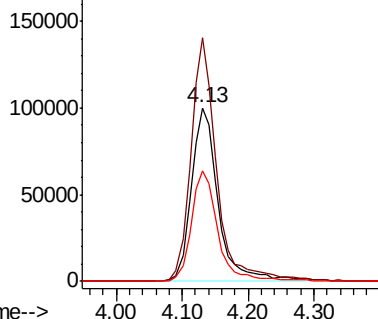
96 100

61 140.2 104.2 156.2

98 63.9 51.2 76.8



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



#22

Diisopropyl ether

Concen: 20.024 ug/l

RT: 4.89 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion: 45 Resp: 889414

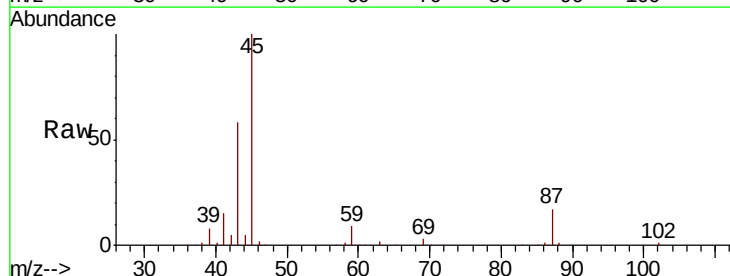
Ion Ratio Lower Upper

45 100

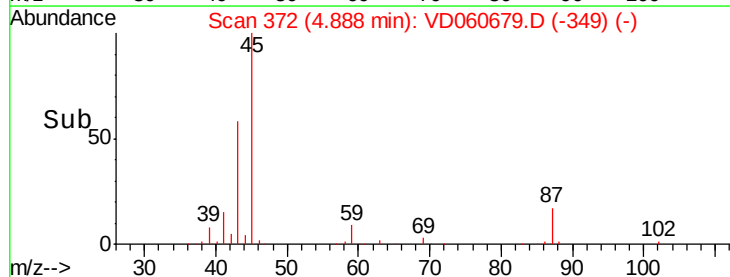
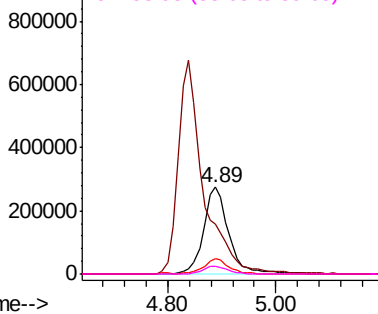
43 57.5 46.1 69.1

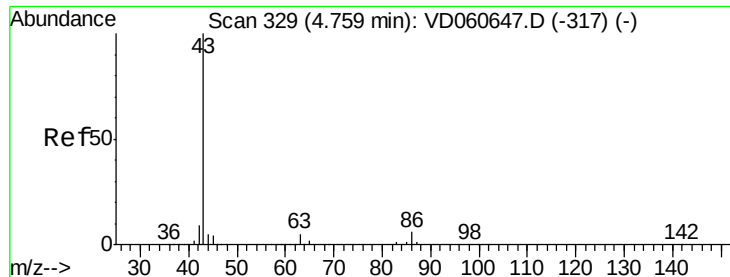
87 17.4 13.7 20.5

59 8.9 7.4 11.0



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





#23

Vinyl Acetate

Concen: 101.763 ug/l

RT: 4.84 min Scan# 367

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

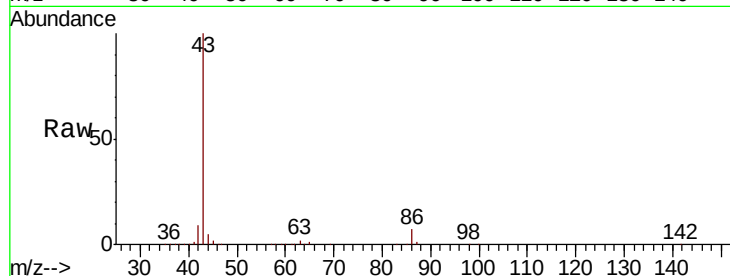
VD1221SBS01

Tot Ion: 43 Resp: 2186782

Ion Ratio Lower Upper

43 100

86 6.8 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VD060679.D (-367) (-)

Ion 86.00 (85.70 to 86.70): VD060679.D (-367) (-)

4.84

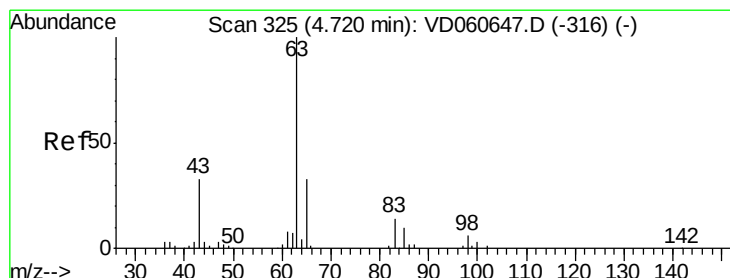
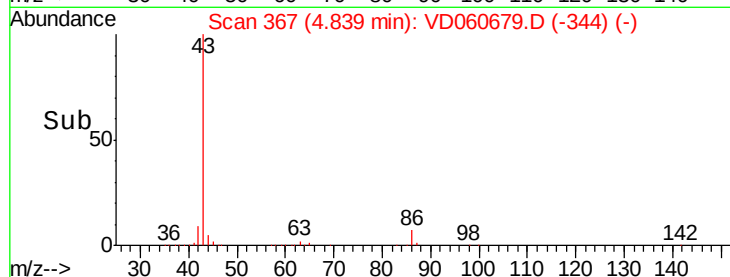
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.428 ug/l

RT: 4.79 min Scan# 362

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

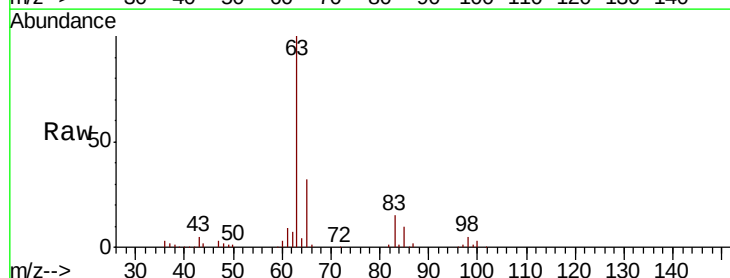
Tgt Ion: 63 Resp: 453895

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.3 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VD060679.D (-362) (-)

Ion 97.95 (97.65 to 98.65): VD060679.D (-362) (-)

Ion 99.95 (99.65 to 100.65): VD060679.D (-362) (-)

4.79

200000

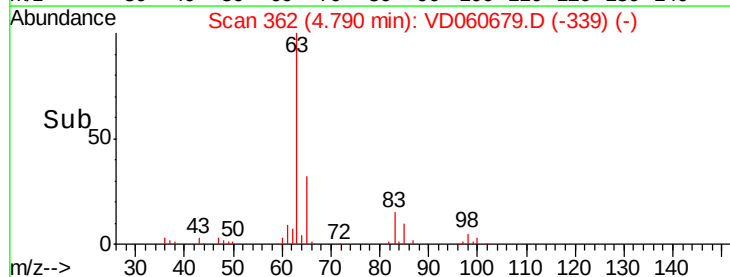
150000

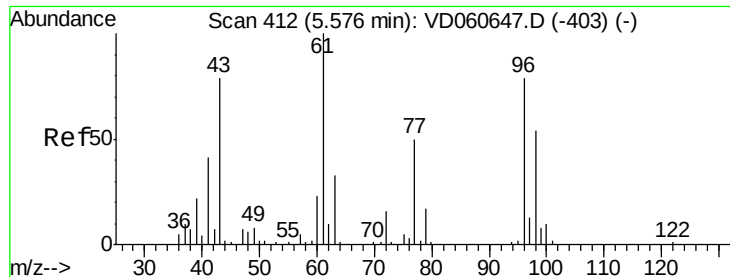
100000

50000

0

Time-->





#25

2-Butanone

Concen: 100.110 ug/l

RT: 5.66 min Scan# 450

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

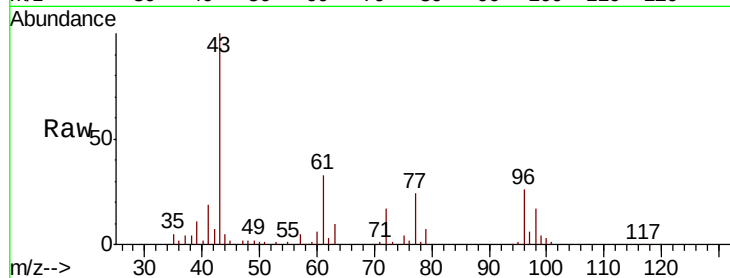
VD1221SBS01

Tot Ion: 43 Resp: 297806

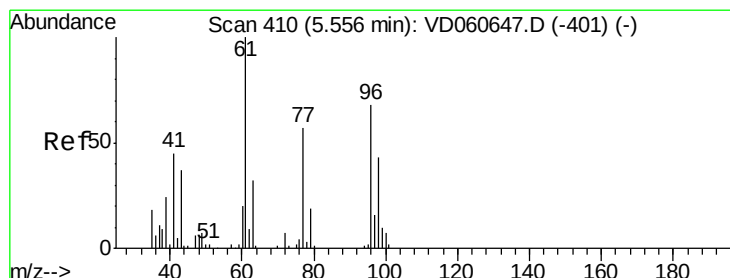
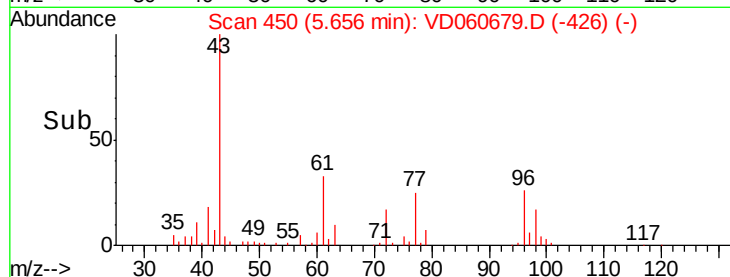
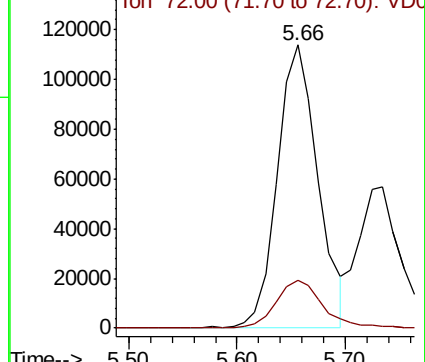
Ion Ratio Lower Upper

43 100

72 16.9 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 19.394 ug/l

RT: 5.63 min Scan# 447

Delta R.T. 0.04 min

Lab File: VD060679.D

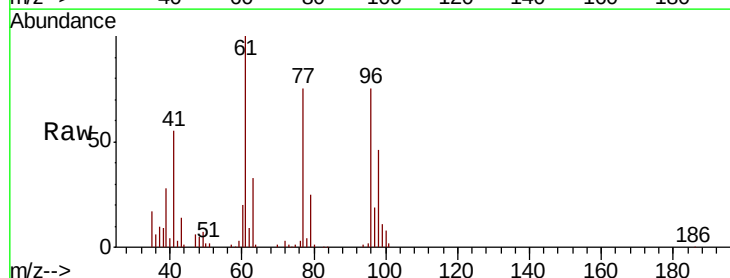
Acq: 21 Dec 2018 13:02

Tgt Ion: 77 Resp: 357667

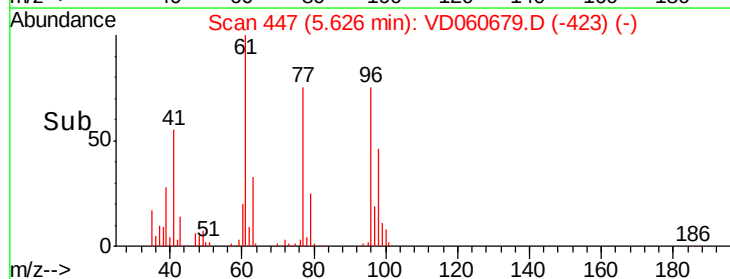
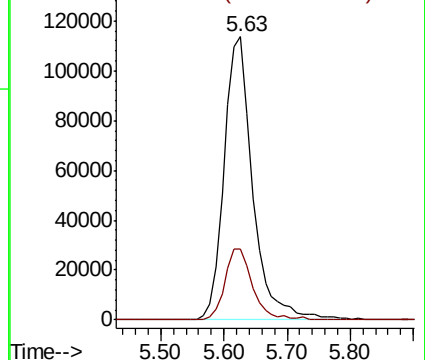
Ion Ratio Lower Upper

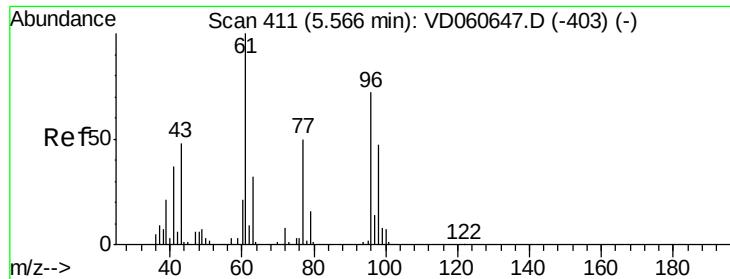
77 100

97 25.3 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC



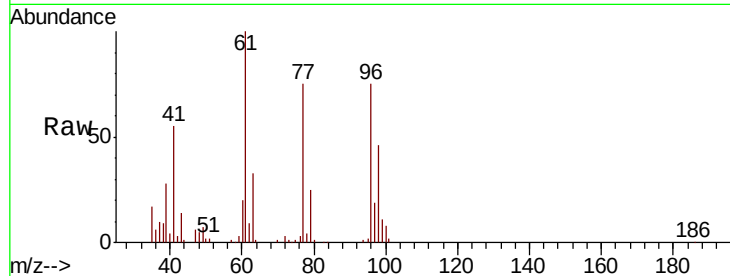


#27

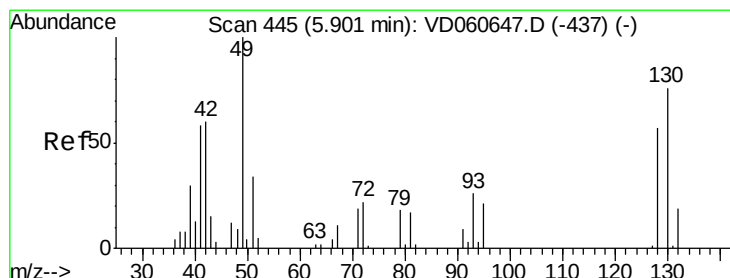
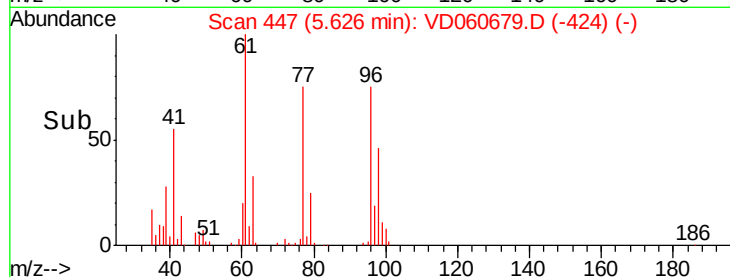
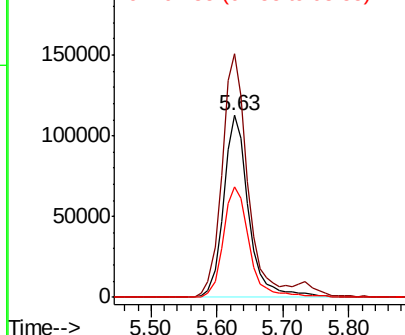
cis-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 5.63 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tot Ion: 96 Resp: 300834
Ion Ratio Lower Upper
96 100
61 133.7 0.0 259.4
98 61.0 0.0 130.0



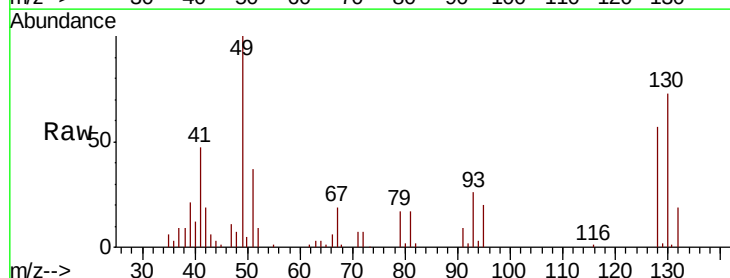
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



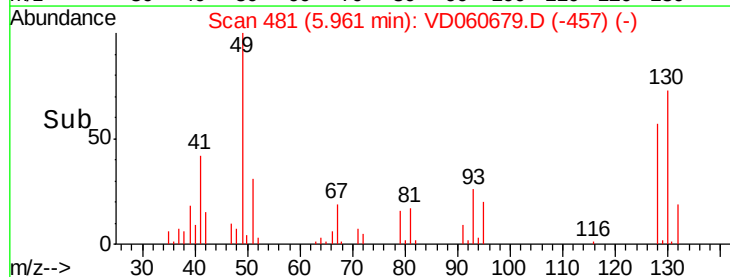
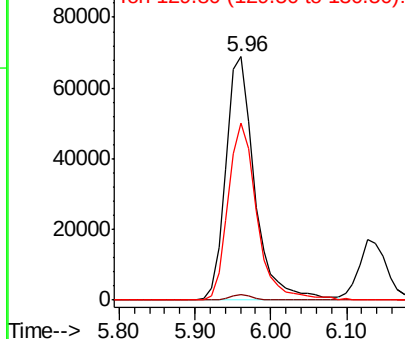
#28

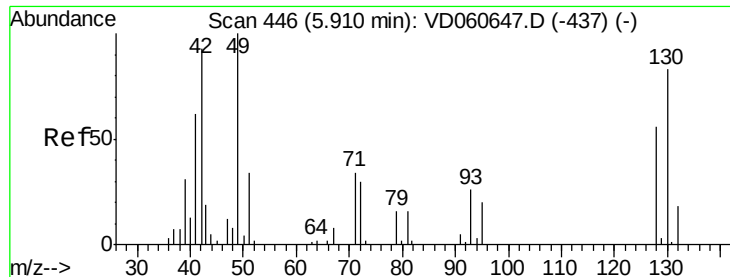
Bromochloromethane
Concen: 18.392 ug/l
RT: 5.96 min Scan# 481
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 49 Resp: 181527
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.4
130 72.7 56.2 84.2



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: 100.743 ug/l

RT: 5.99 min Scan# 484

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

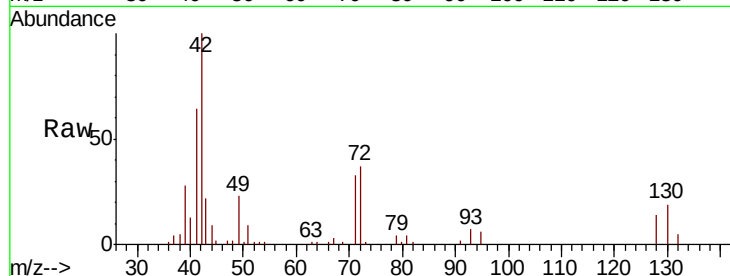
Tot Ion: 42 Resp: 169893

Ion Ratio Lower Upper

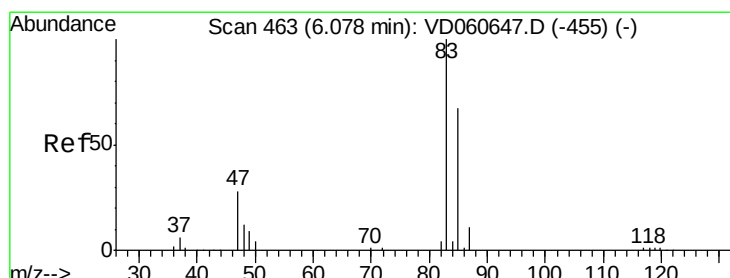
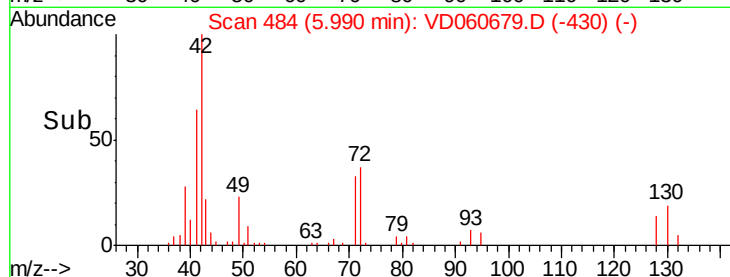
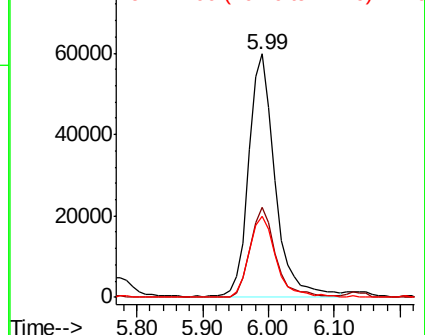
42 100

72 35.4 28.0 42.0

71 33.2 27.0 40.6



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: 19.886 ug/l

RT: 6.14 min Scan# 499

Delta R.T. 0.04 min

Lab File: VD060679.D

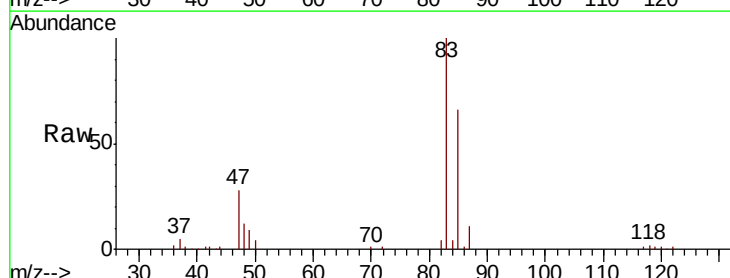
Acq: 21 Dec 2018 13:02

Tgt Ion: 83 Resp: 467484

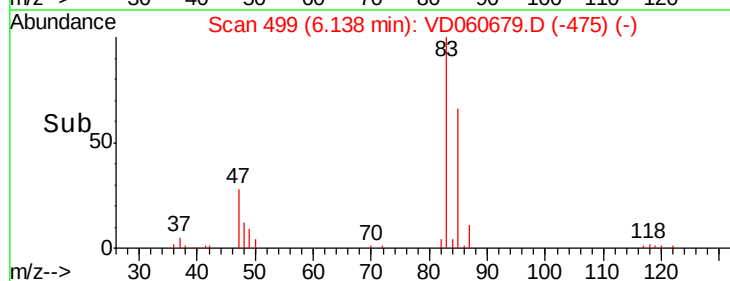
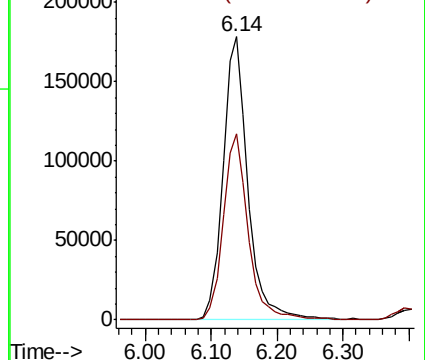
Ion Ratio Lower Upper

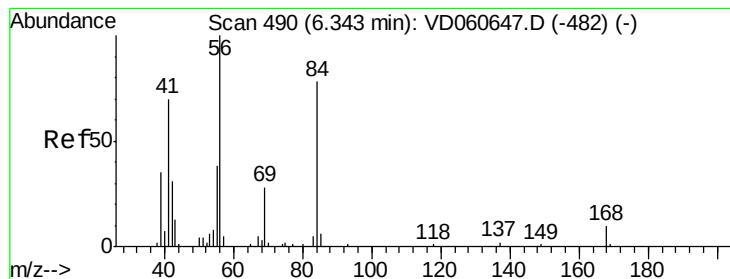
83 100

85 65.7 53.0 79.6



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





#31

Cyclohexane

Concen: 19.443 ug/l

RT: 6.40 min Scan# 526

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

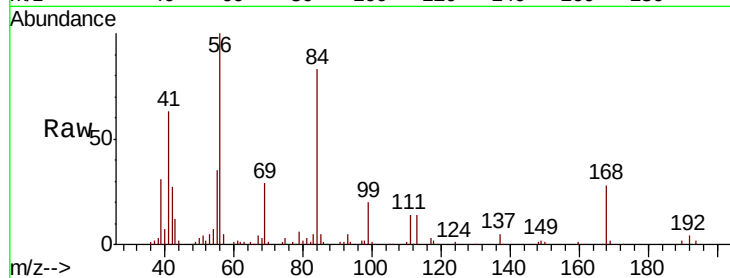
Tot Ion: 56 Resp: 437150

Ion Ratio Lower Upper

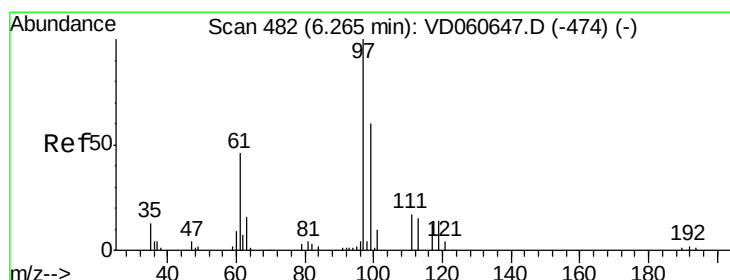
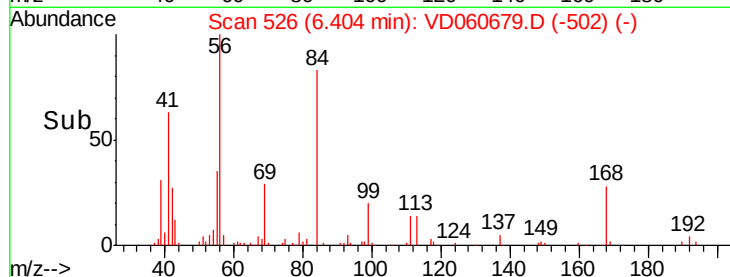
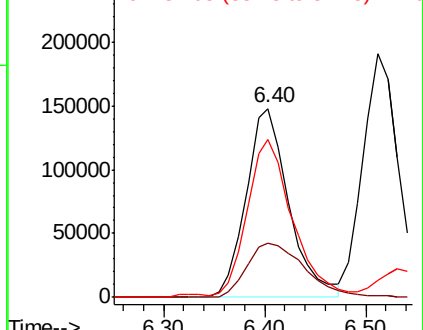
56 100

69 29.1 23.6 35.4

84 83.4 65.8 98.6



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: 19.552 ug/l

RT: 6.32 min Scan# 518

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

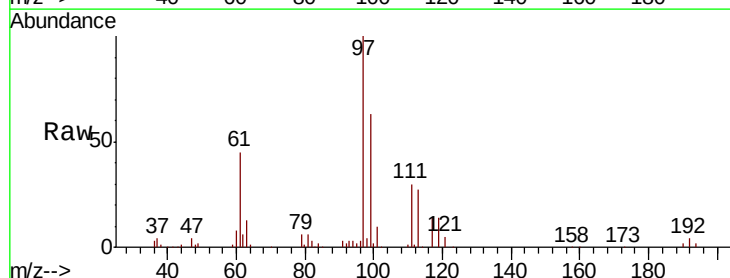
Tgt Ion: 97 Resp: 380268

Ion Ratio Lower Upper

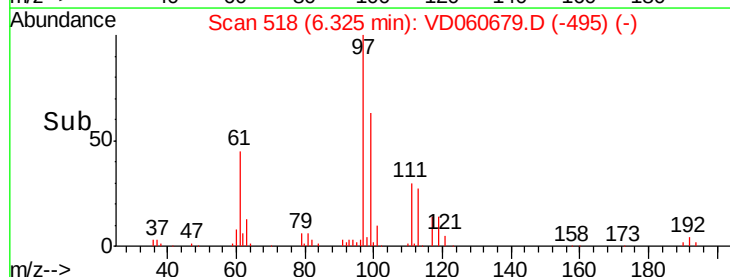
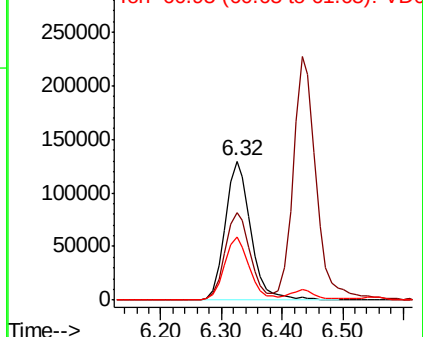
97 100

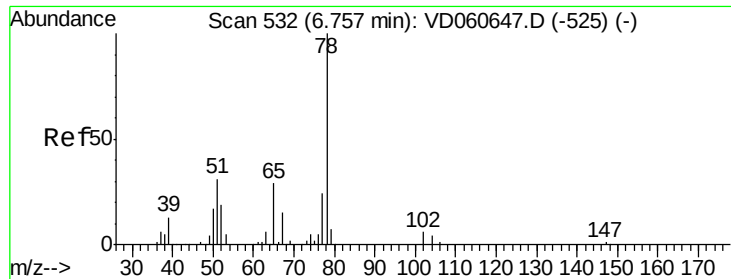
99 62.9 50.5 75.7

61 45.4 34.6 51.8



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

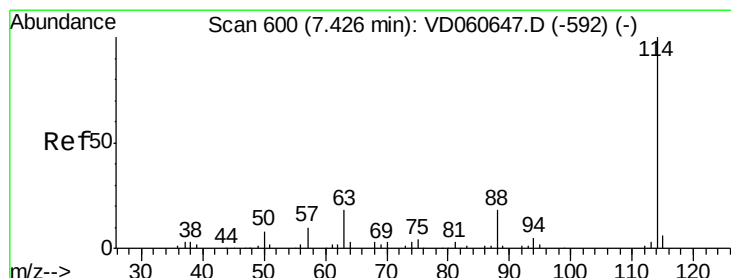
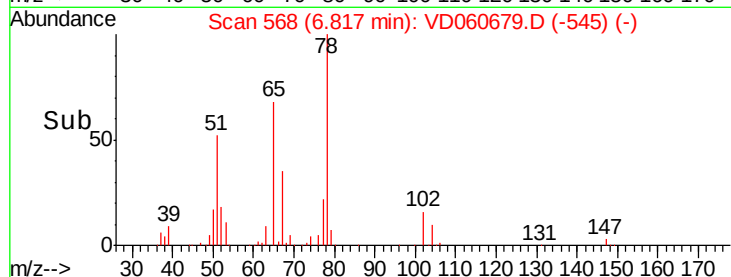
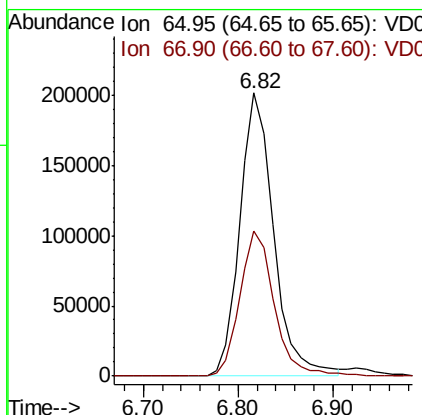
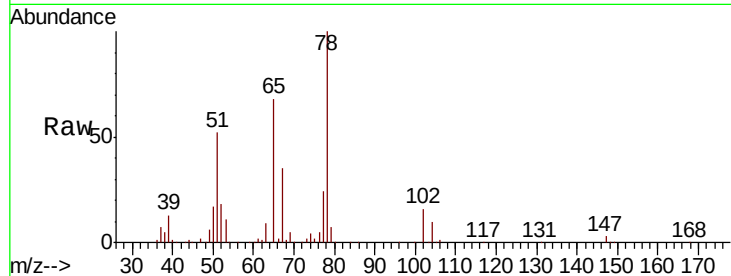




#33
 1,2-Dichloroethane-d4
 Concen: 19.552 ug/l
 RT: 6.82 min Scan# 568
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

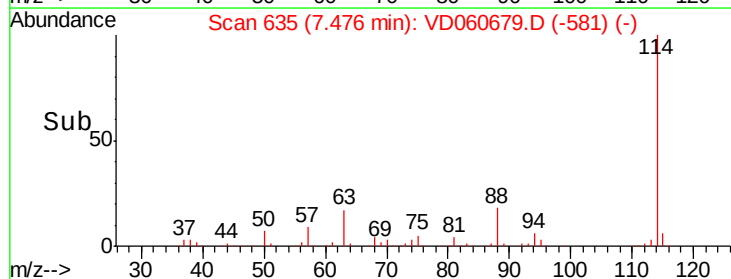
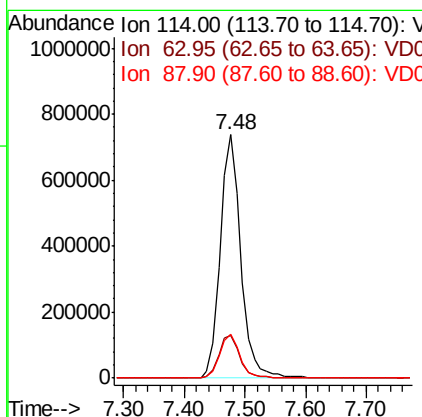
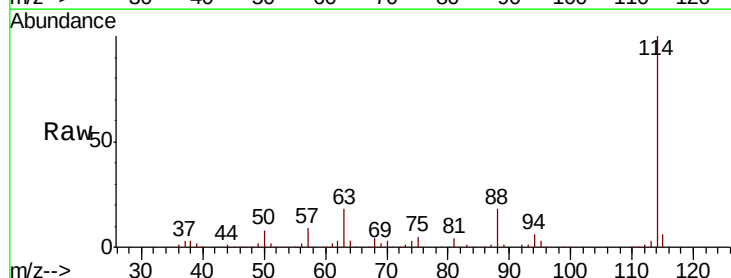
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

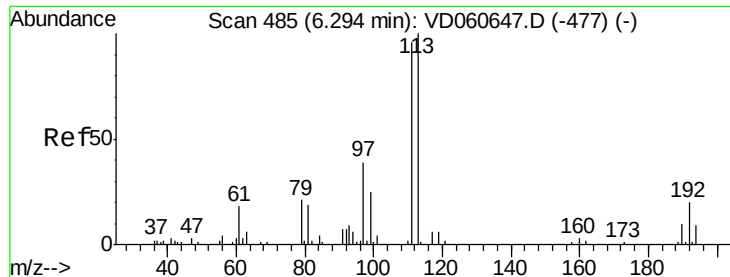
Tot Ion: 65 Resp: 499399
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.48 min Scan# 635
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 114 Resp: 1735360
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 17.8 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.35 min Scan# 521

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

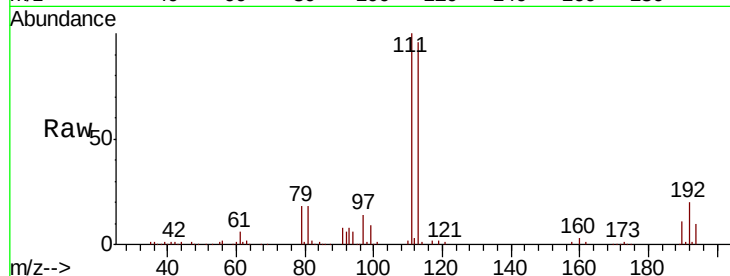
Tot Ion:113 Resp: 723711

Ion Ratio Lower Upper

113 100

111 103.7 80.0 120.0

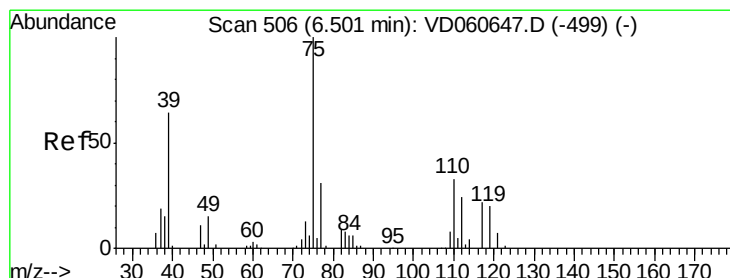
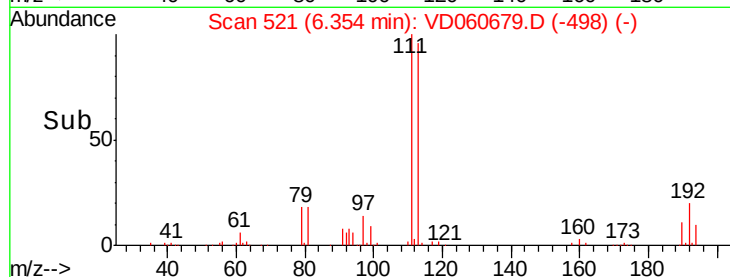
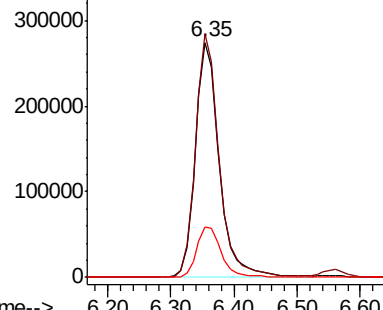
192 21.2 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.948 ug/l

RT: 6.55 min Scan# 541

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

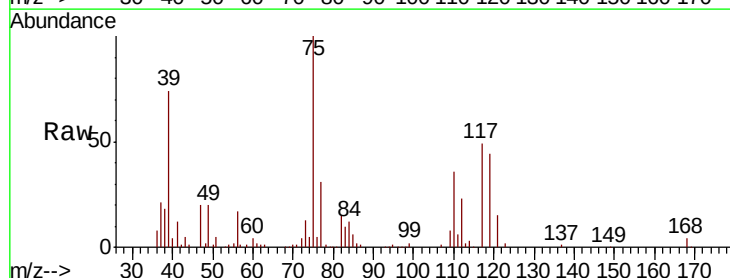
Tgt Ion: 75 Resp: 356456

Ion Ratio Lower Upper

75 100

110 36.0 18.9 56.7

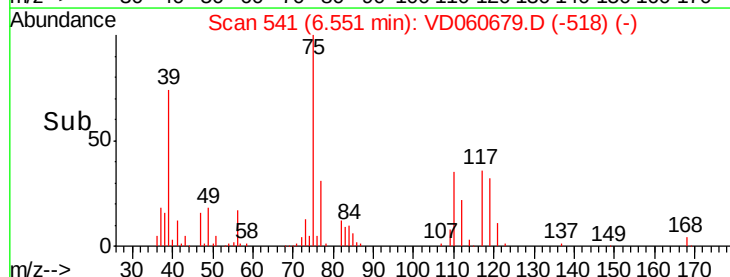
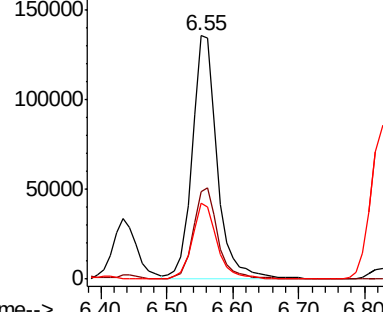
77 31.1 25.4 38.0

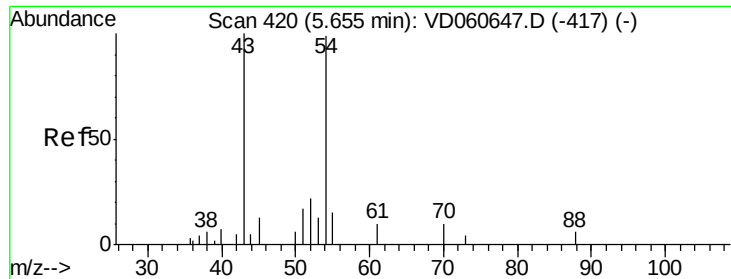


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

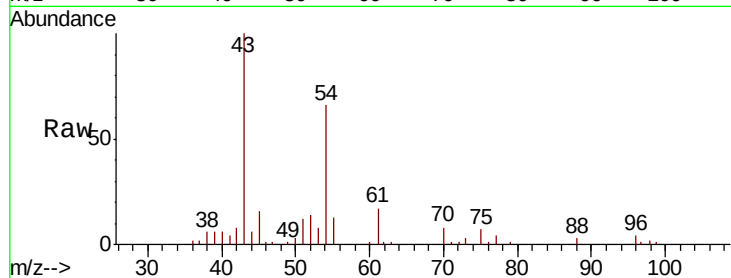




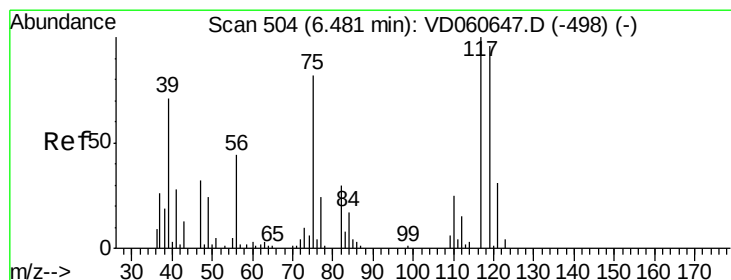
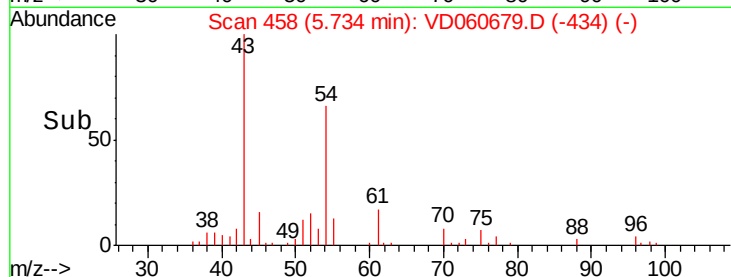
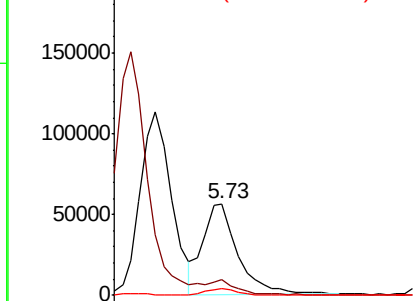
#37
Ethyl Acetate
Concen: 21.552 ug/l
RT: 5.73 min Scan# 458
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tot Ion: 43 Resp: 161067
Ion Ratio Lower Upper
43 100
61 16.8 11.8 17.6
70 8.1 5.8 8.6

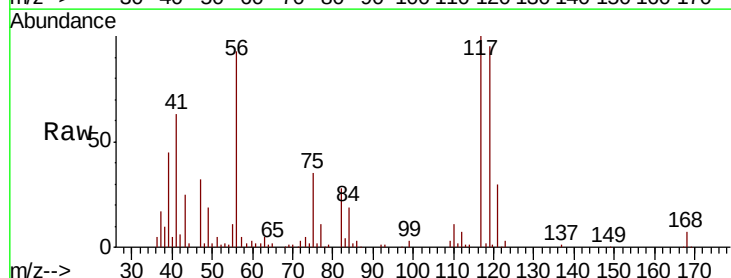


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

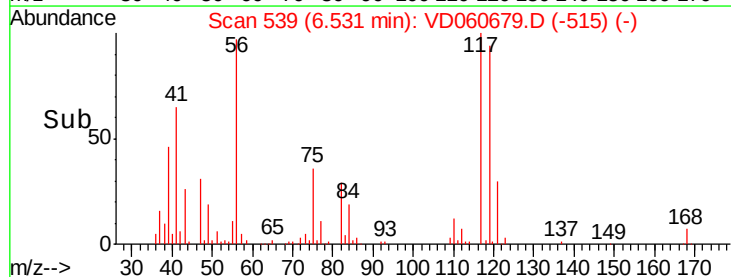
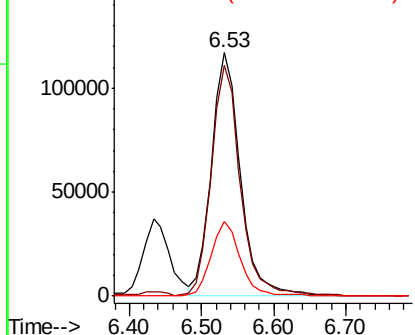


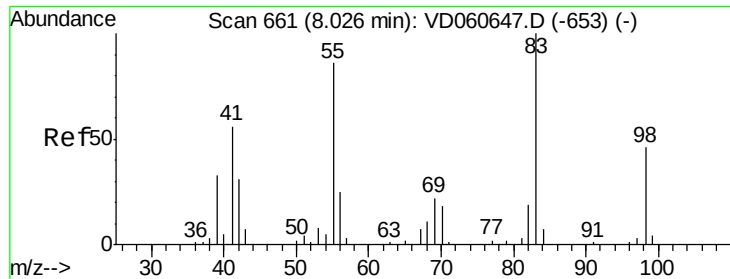
#38
Carbon Tetrachloride
Concen: 20.314 ug/l
RT: 6.53 min Scan# 539
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 117 Resp: 320239
Ion Ratio Lower Upper
117 100
119 94.6 77.0 115.4
121 30.4 24.7 37.1



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

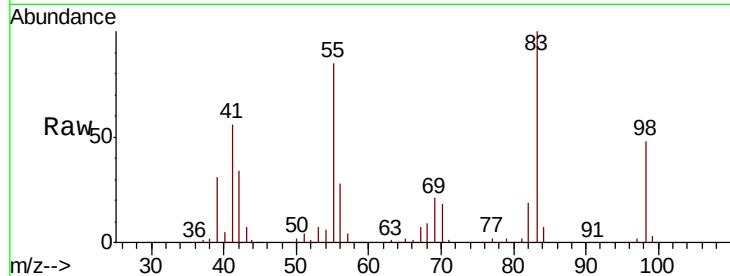




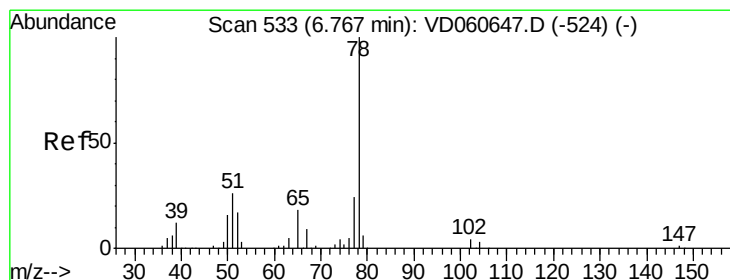
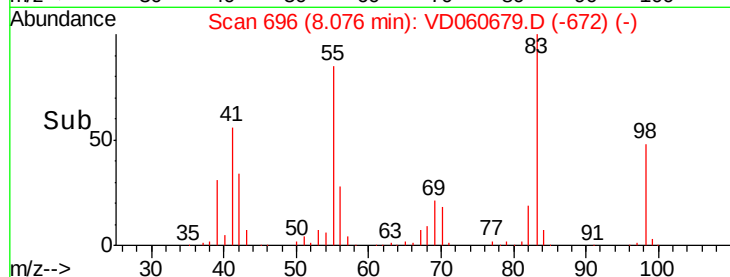
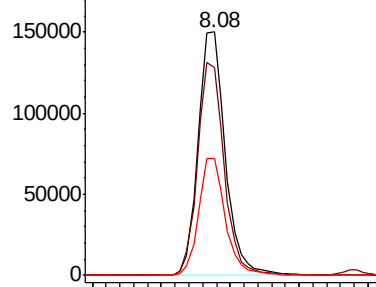
#39
Methvlcvclohexane
Concen: 20.094 ug/l
RT: 8.08 min Scan# 696
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tot Ion: 83 Resp: 409527
Ion Ratio Lower Upper
83 100
55 85.1 68.6 102.8
98 48.2 38.1 57.1

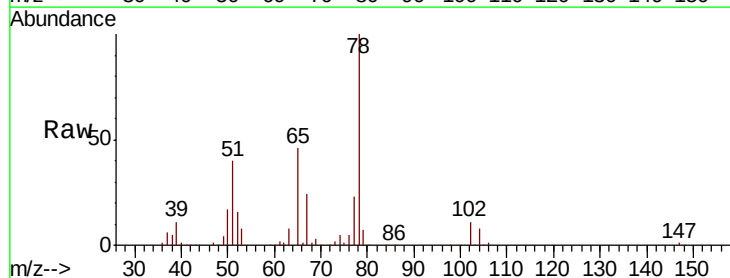


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

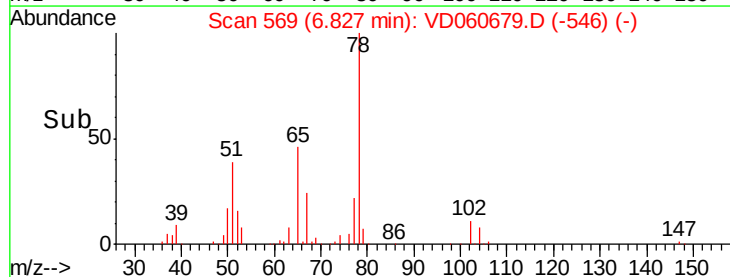
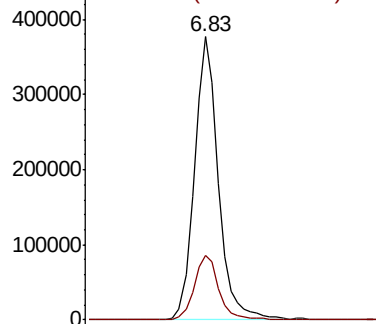


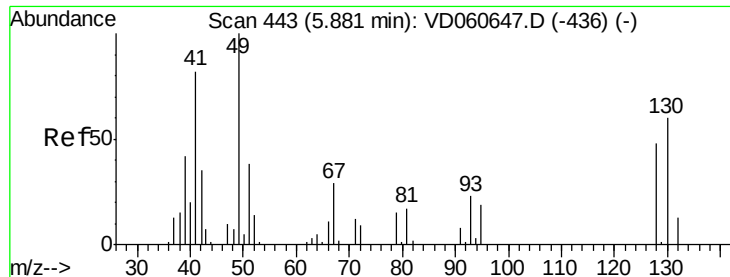
#40
Benzene
Concen: 20.637 ug/l
RT: 6.83 min Scan# 569
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 78 Resp: 952560
Ion Ratio Lower Upper
78 100
77 22.8 19.2 28.8



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





#41

Methacrylonitrile

Concen: 43.920 ug/l

RT: 5.98 min Scan# 483

Delta R.T. 0.05 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

Tot Ion: 41 Resp: 181557

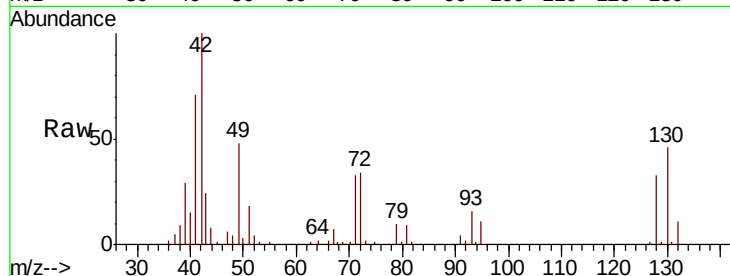
Ion Ratio Lower Upper

41 100

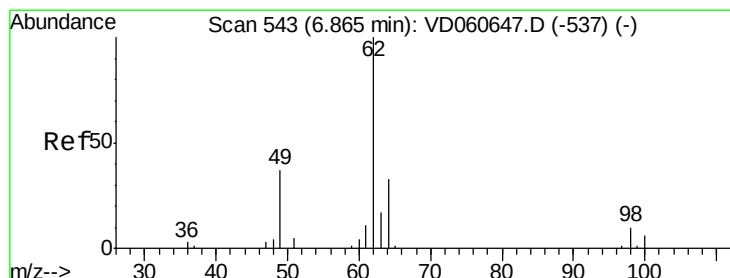
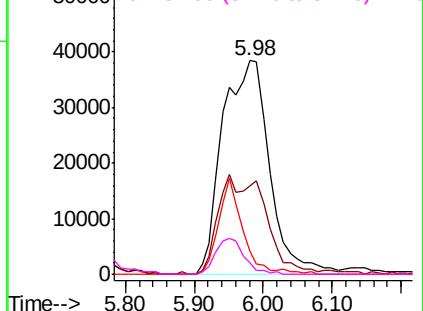
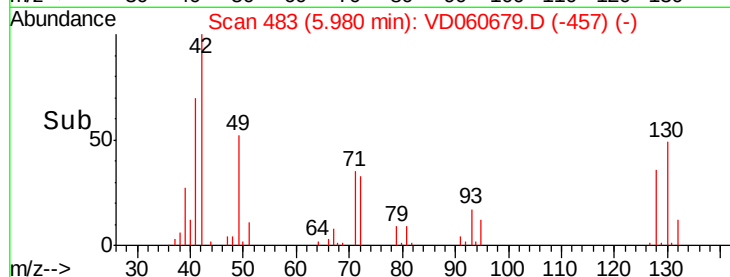
39 41.1 37.6 56.4

67 10.6 33.0 49.6#

52 5.2 15.5 23.3#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.500 ug/l

RT: 6.93 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD060679.D

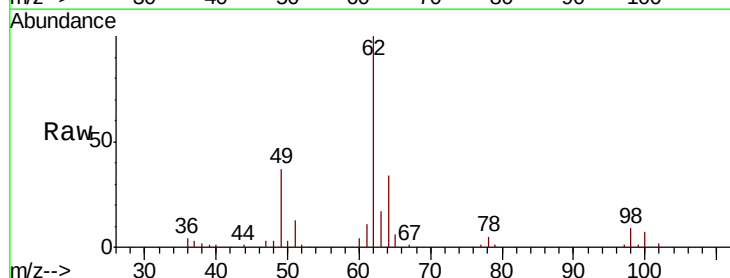
Acq: 21 Dec 2018 13:02

Tgt Ion: 62 Resp: 234818

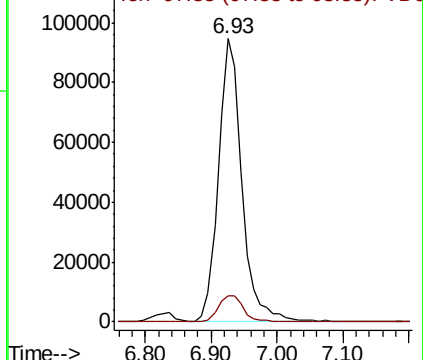
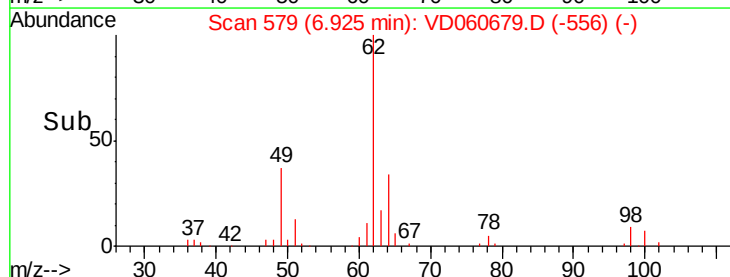
Ion Ratio Lower Upper

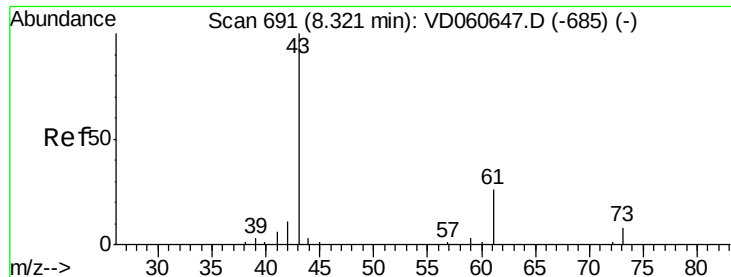
62 100

98 9.3 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



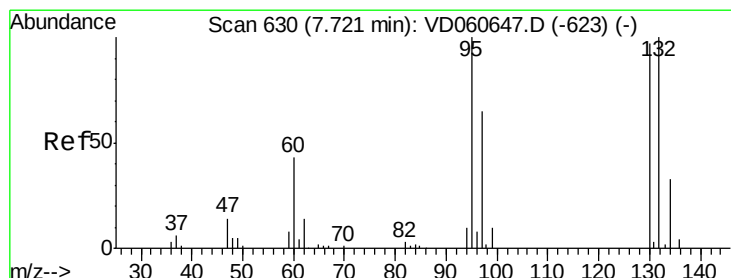
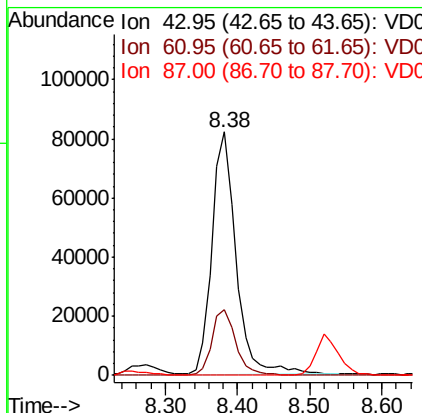
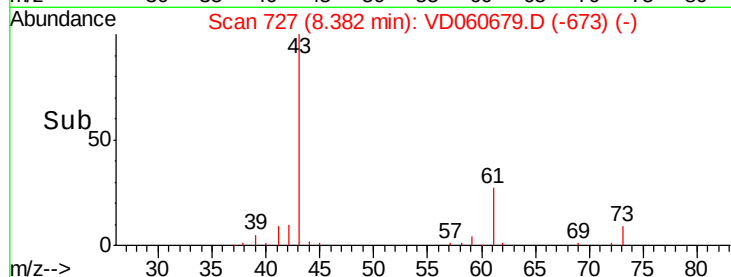
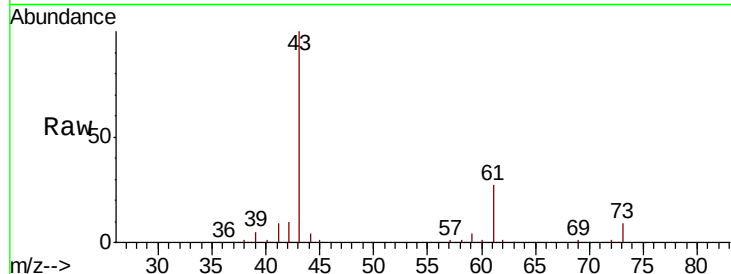


#43

Isopropyl Acetate
 Concen: 19.609 ug/l
 RT: 8.38 min Scan# 727
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

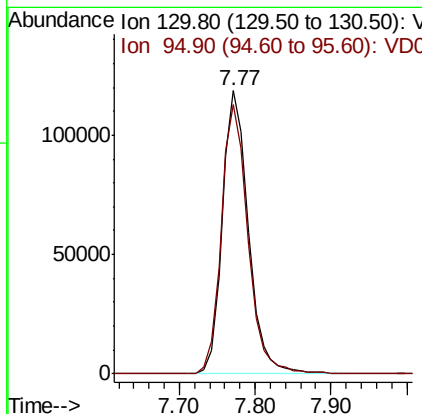
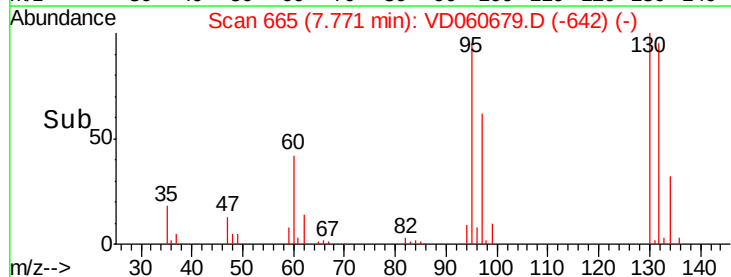
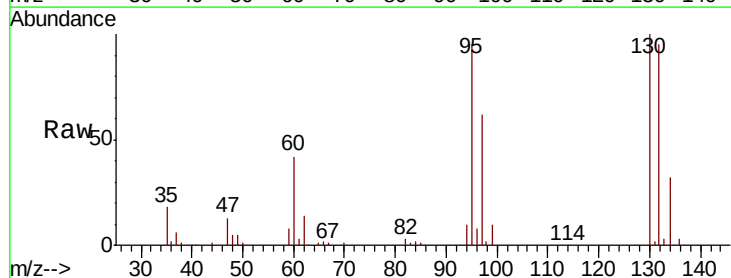
Tot Ion: 43 Resp: 188062
 Ion Ratio Lower Upper
 43 100
 61 27.2 21.8 32.8
 87 0.0 0.2 0.4#

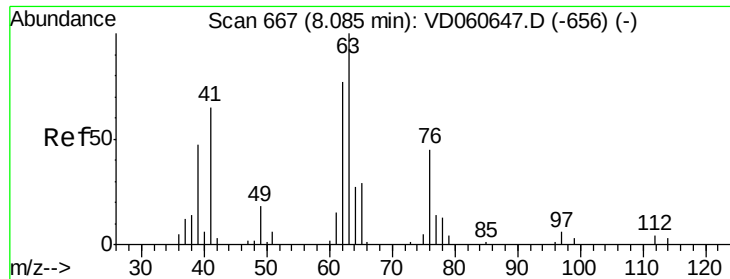


#44

Trichloroethene
 Concen: 20.628 ug/l
 RT: 7.77 min Scan# 665
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:130 Resp: 281811
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 193.6





#45

1,2-Dichloropropane

Concen: 20.405 ug/l

RT: 8.14 min Scan# 702

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

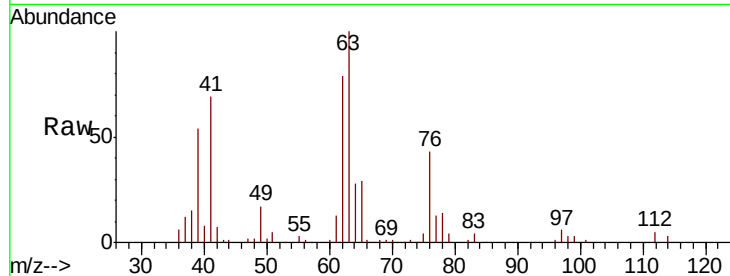
VD1221SBS01

Tot Ion: 63 Resp: 230977

Ion Ratio Lower Upper

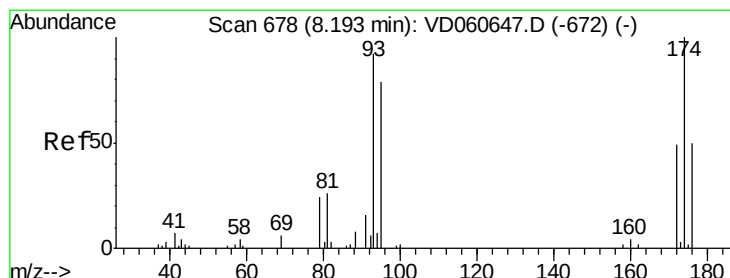
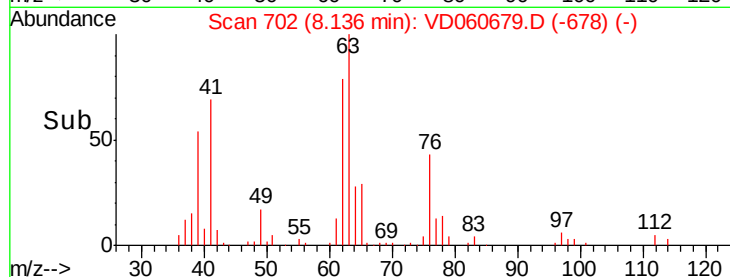
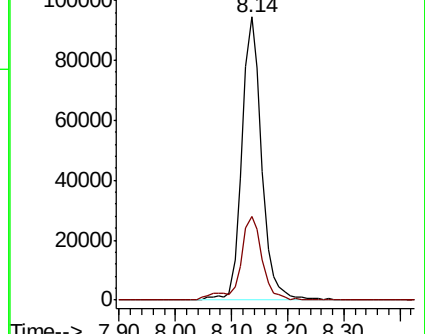
63 100

65 29.4 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.602 ug/l

RT: 8.25 min Scan# 714

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

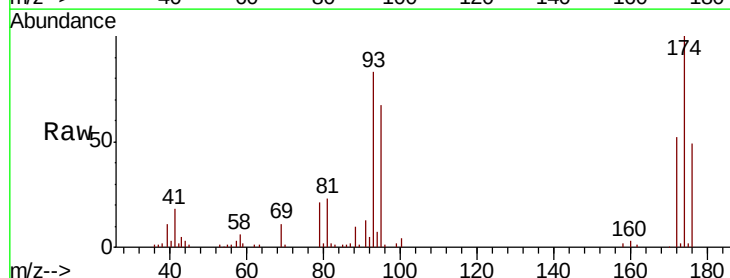
Tgt Ion: 93 Resp: 133101

Ion Ratio Lower Upper

93 100

95 80.7 68.8 103.2

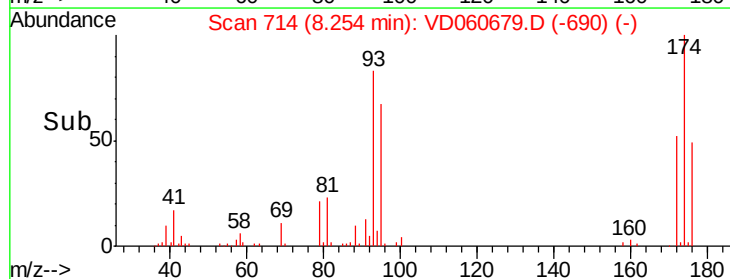
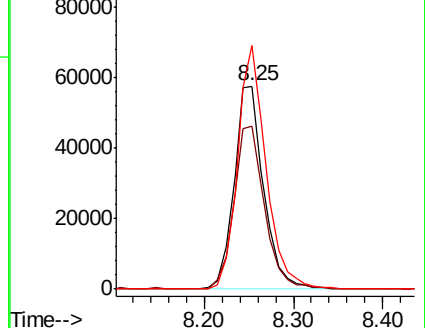
174 120.2 93.0 139.4

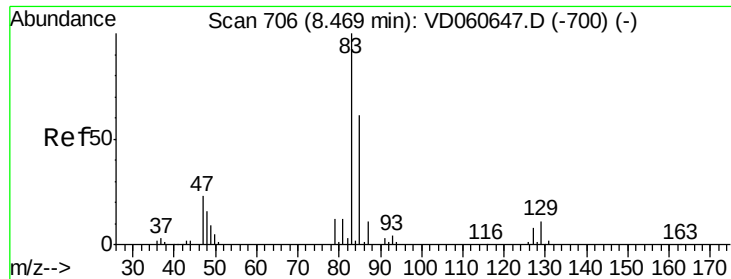


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.196 ug/l

RT: 8.52 min Scan# 741

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBSD01

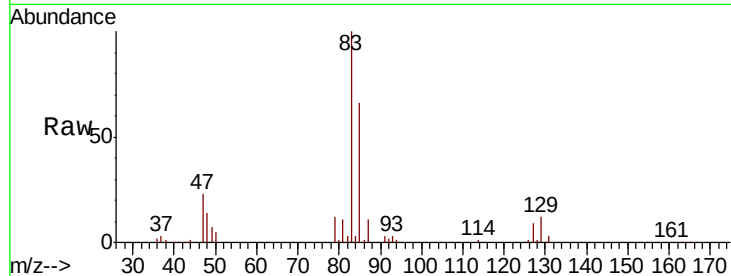
Tot Ion: 83 Resp: 309035

Ion Ratio Lower Upper

83 100

85 66.5 51.1 76.7

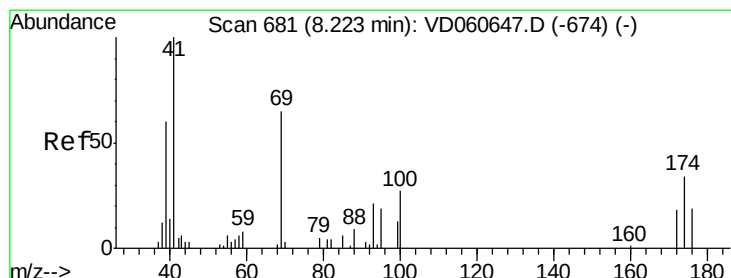
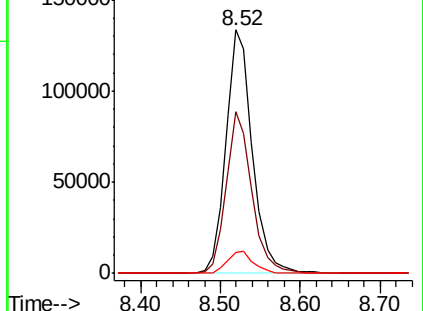
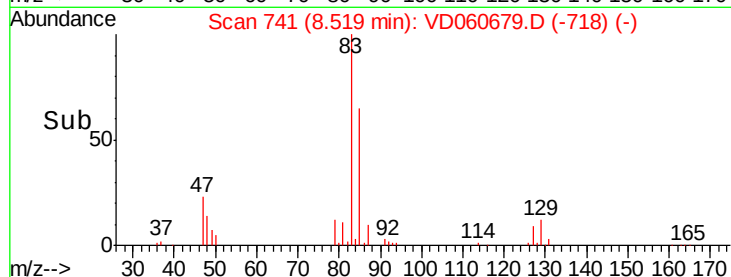
127 8.7 7.0 10.6



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: 19.804 ug/l

RT: 8.27 min Scan# 716

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

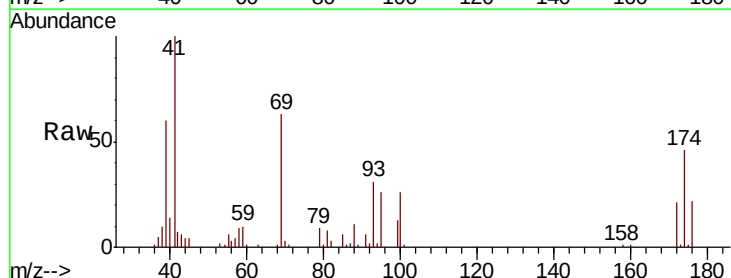
Tgt Ion: 41 Resp: 115356

Ion Ratio Lower Upper

41 100

69 63.1 51.2 76.8

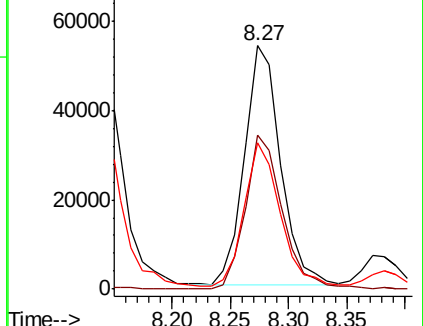
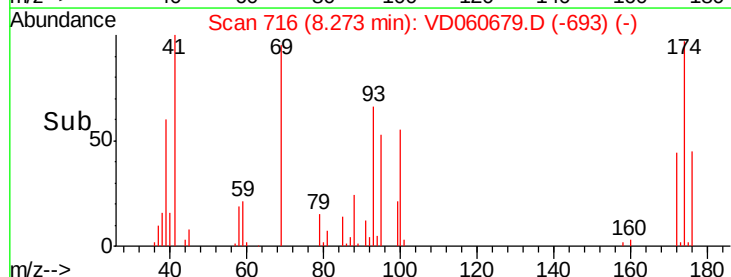
39 60.3 44.6 67.0

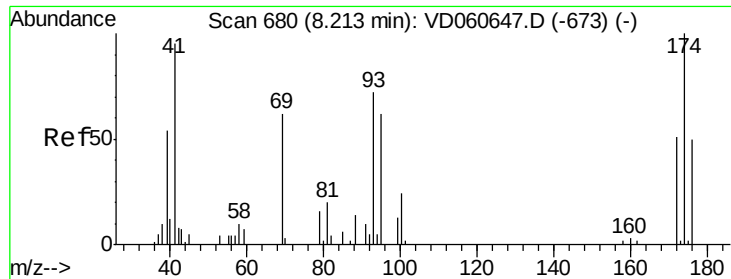


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

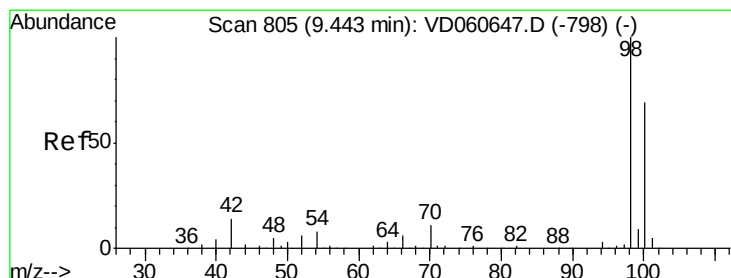
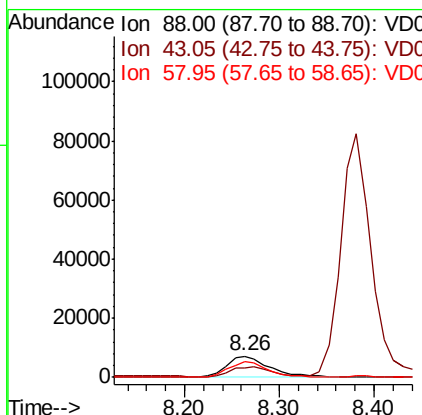
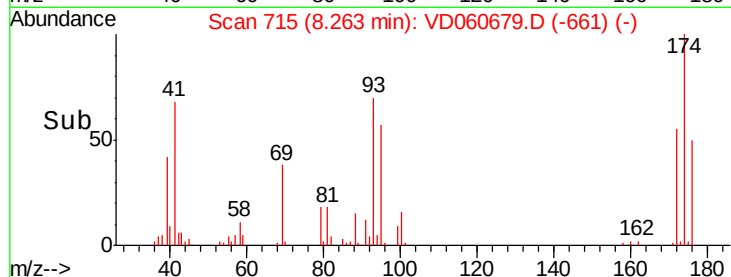
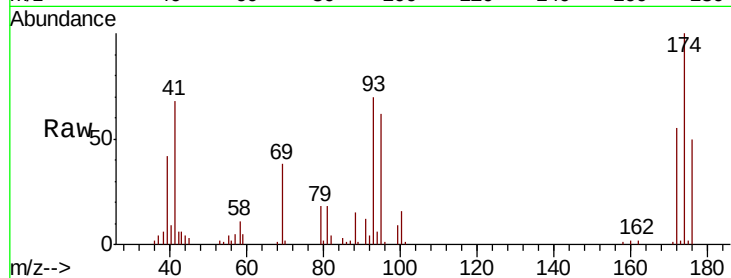




#49
1,4-Dioxane
Concen: 412.759 ug/l
RT: 8.26 min Scan# 715
Delta R.T. 0.04 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

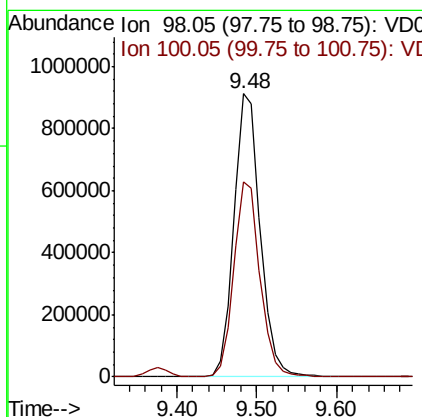
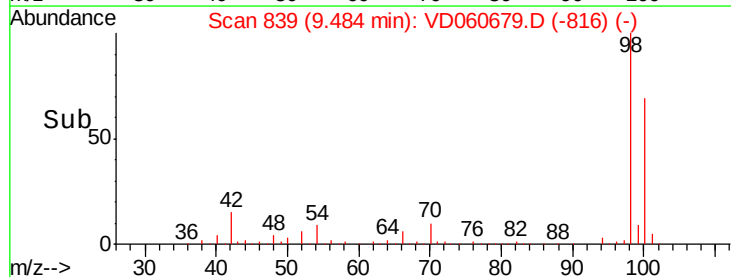
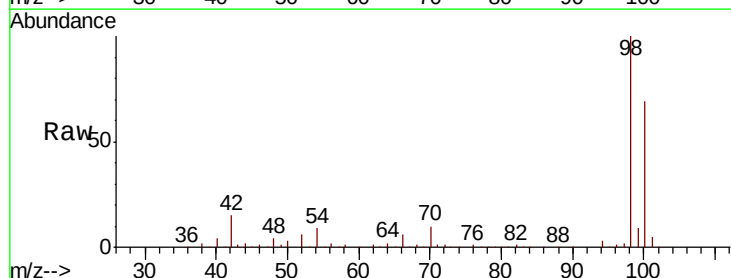
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

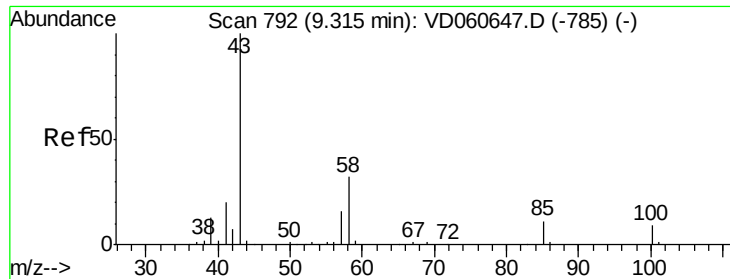
Tot Ion: 88 Resp: 22355
Ion Ratio Lower Upper
88 100
43 42.5 31.5 47.3
58 78.2 50.6 76.0#



#50
Toluene-d8
Concen: 412.759 ug/l
RT: 9.48 min Scan# 839
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 98 Resp: 2096757
Ion Ratio Lower Upper
98 100
100 69.1 55.8 83.8





#51

4-Methyl-2-Pentanone

Concen: 103.911 ug/l

RT: 9.38 min Scan# 828

Delta R.T. 0.04 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

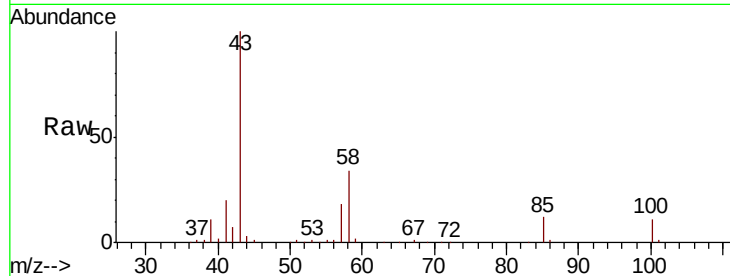
VD1221SBS01

Tot Ion: 43 Resp: 610566

Ion Ratio Lower Upper

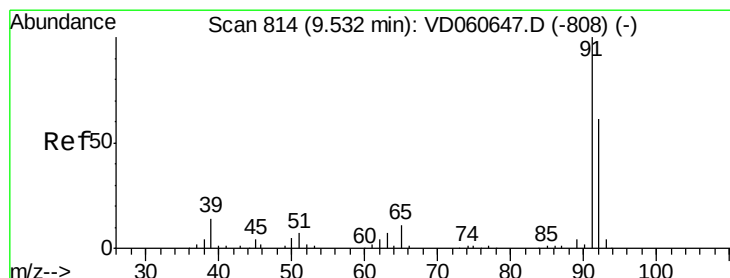
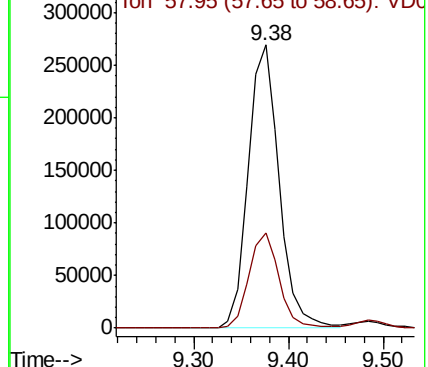
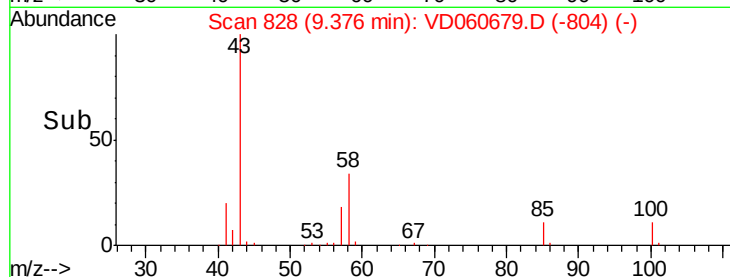
43 100

58 33.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VD060679.D (-804) (-)

Ion 57.95 (57.65 to 58.65): VD060679.D (-804) (-)



#52

Toluene

Concen: 20.250 ug/l

RT: 9.58 min Scan# 849

Delta R.T. 0.04 min

Lab File: VD060679.D

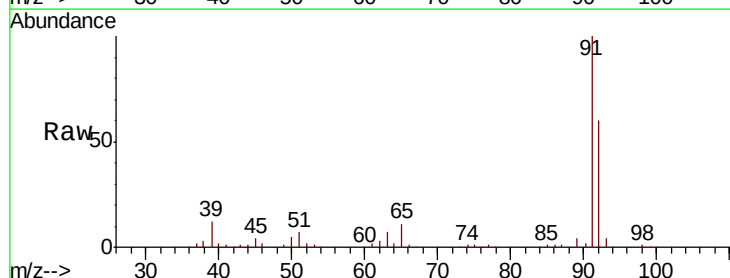
Acq: 21 Dec 2018 13:02

Tgt Ion: 92 Resp: 585959

Ion Ratio Lower Upper

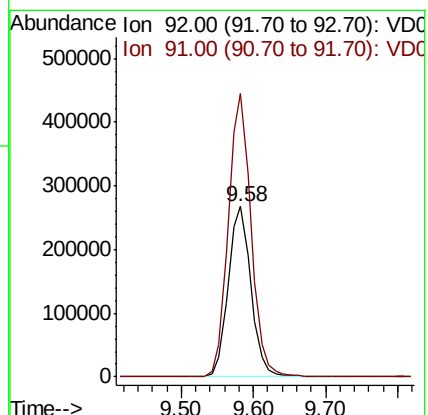
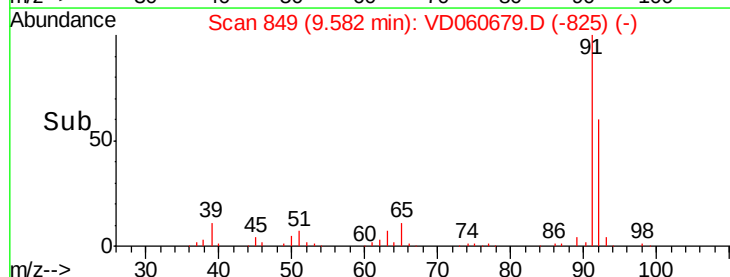
92 100

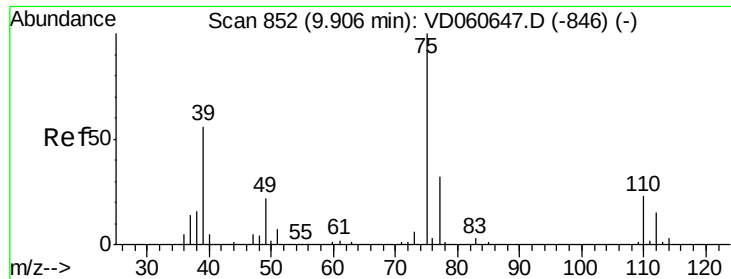
91 166.2 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VD060679.D (-825) (-)

Ion 91.00 (90.70 to 91.70): VD060679.D (-825) (-)





#53

t-1,3-Dichloropropene

Concen: 20.333 ug/l

RT: 9.95 min Scan# 886

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

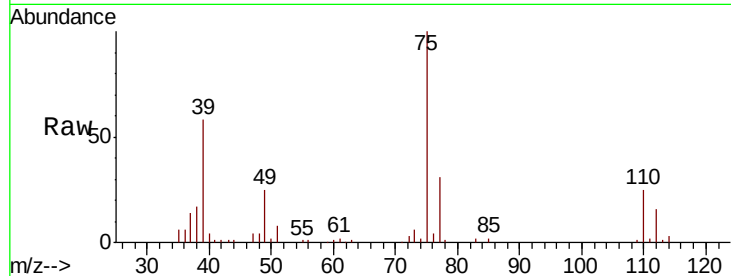
VD1221SBS01

Tot Ion: 75 Resp: 259569

Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.95

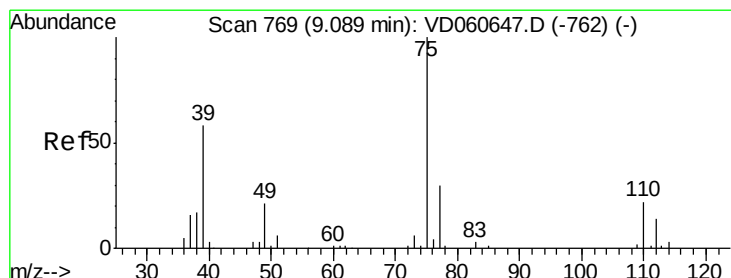
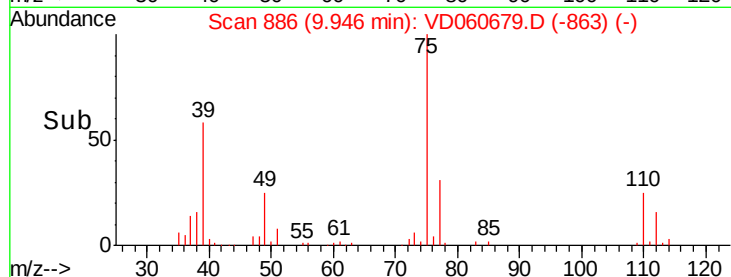
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.770 ug/l

RT: 9.13 min Scan# 803

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

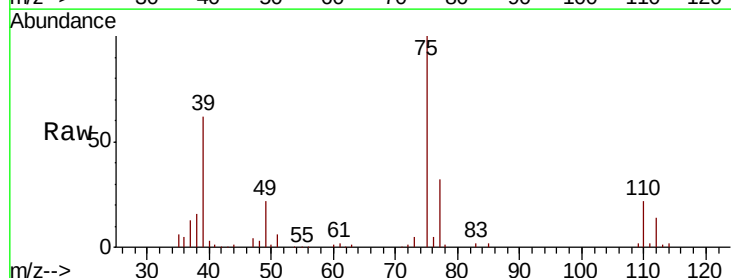
Tgt Ion: 75 Resp: 330344

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 62.0 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

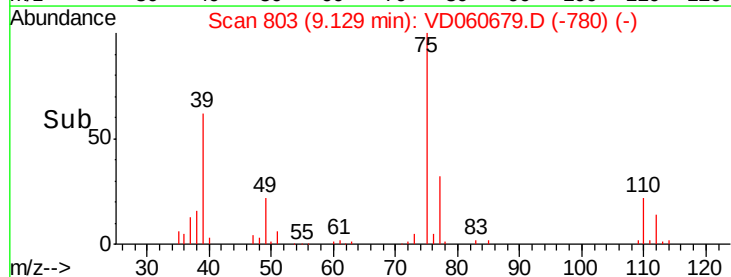
150000

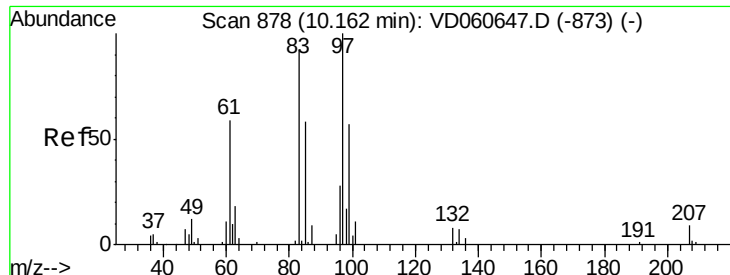
100000

50000

0

Time-->

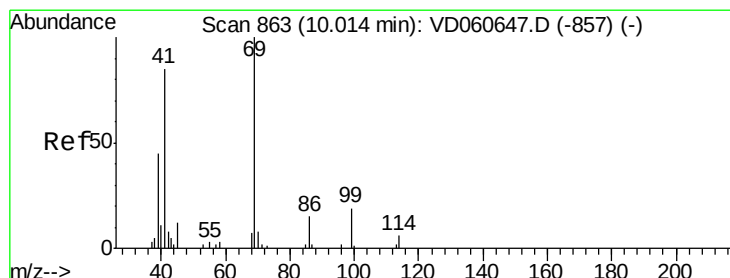
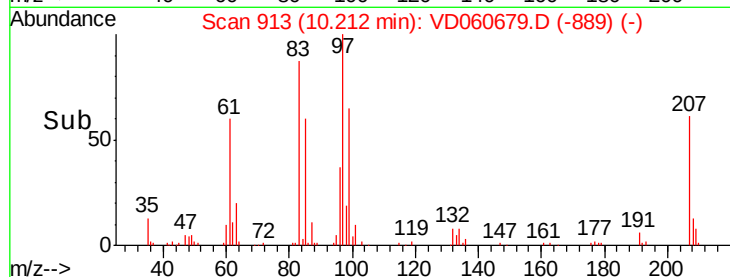
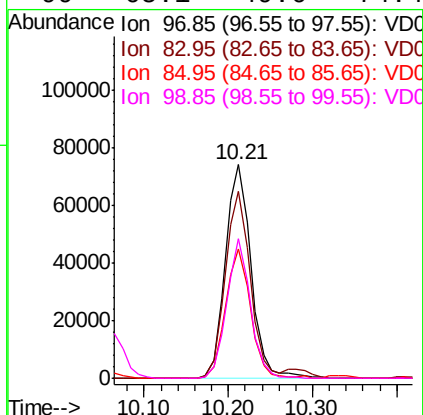
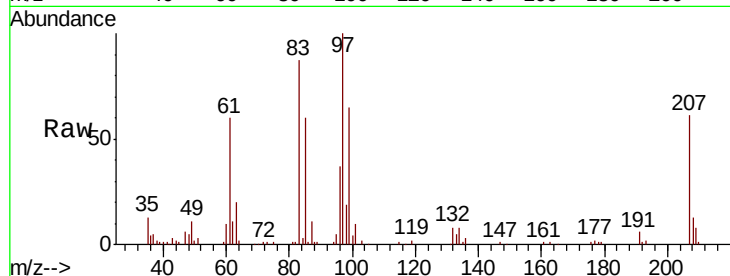




#55
 1,1,2-Trichloroethane
 Concen: 20.131 ug/l
 RT: 10.21 min Scan# 913
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

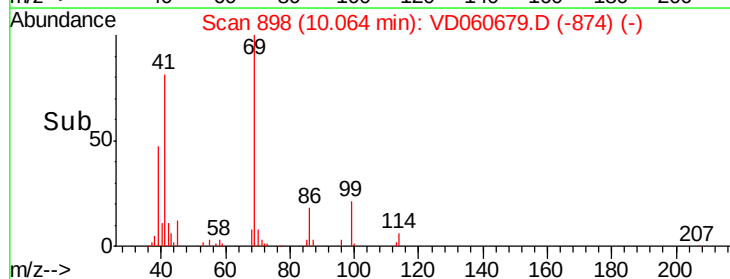
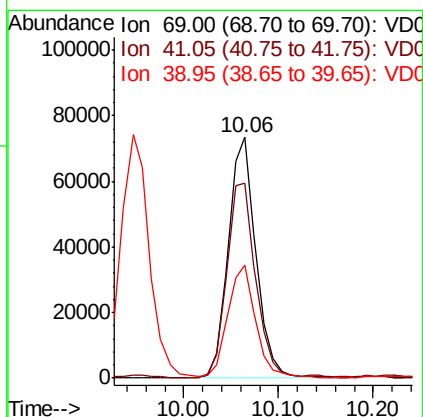
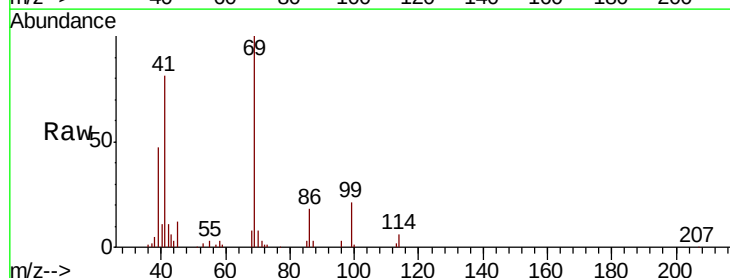
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBSD01

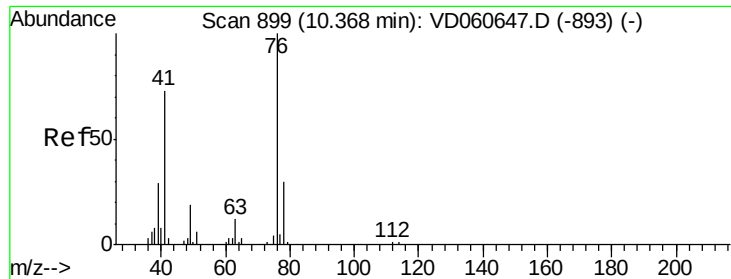
Tot Ion:	97	Resp:	156731
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	60.3	46.6	70.0
99	65.1	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 20.453 ug/l
 RT: 10.06 min Scan# 898
 Delta R.T. 0.04 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:	69	Resp:	147902
Ion	Ratio	Lower	Upper
69	100		
41	80.9	68.3	102.5
39	47.2	37.2	55.8





#57

1,3-Dichloropropane

Concen: 20.955 ug/l

RT: 10.41 min Scan# 933

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

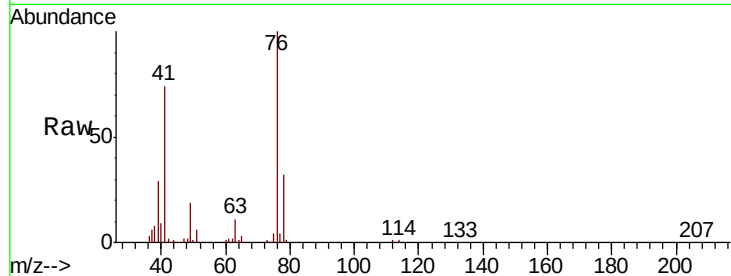
VD1221SBS01

Tot Ion: 76 Resp: 258589

Ion Ratio Lower Upper

76 100

78 32.1 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.41

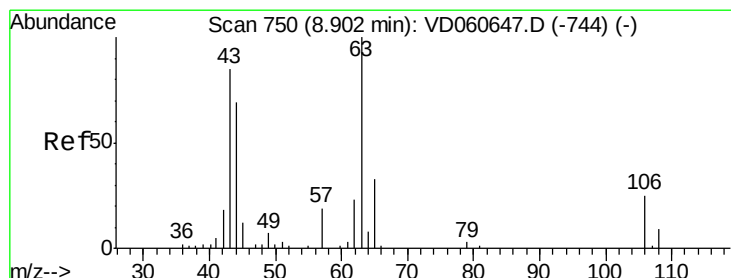
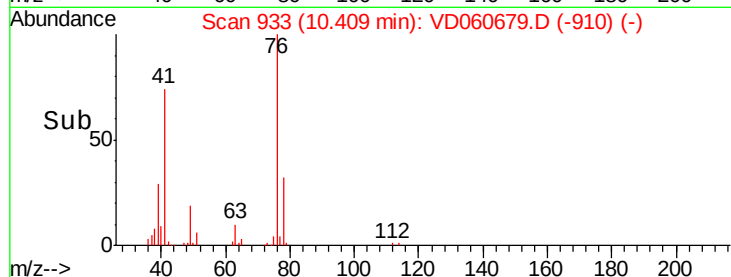
150000

100000

50000

0

Time--> 10.30 10.40 10.50



#58

2-Chloroethyl Vinyl ether

Concen: 108.854 ug/l

RT: 8.95 min Scan# 785

Delta R.T. 0.03 min

Lab File: VD060679.D

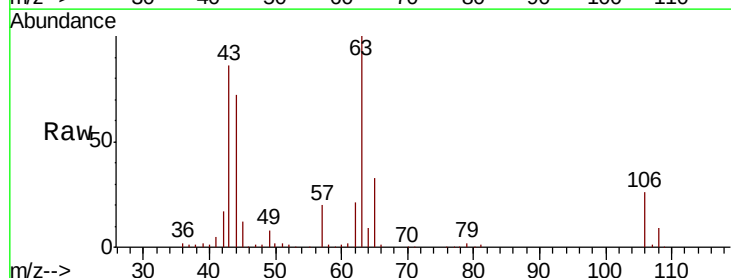
Acq: 21 Dec 2018 13:02

Tgt Ion: 63 Resp: 463818

Ion Ratio Lower Upper

63 100

106 26.1 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.95

250000

200000

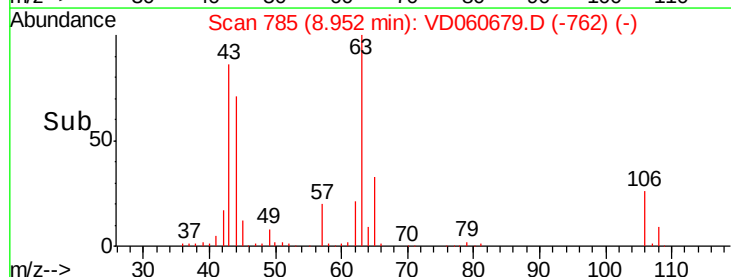
150000

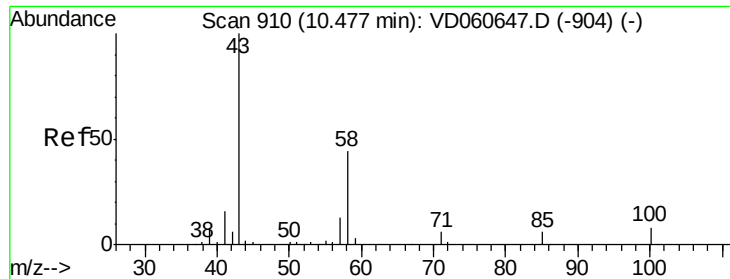
100000

50000

0

Time--> 8.80 8.90 9.00 9.10

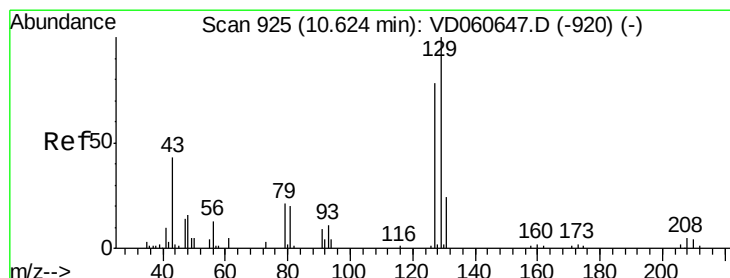
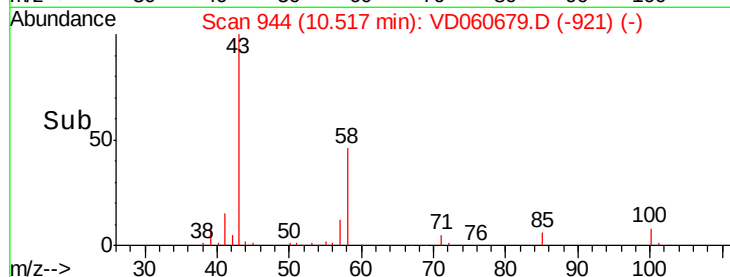
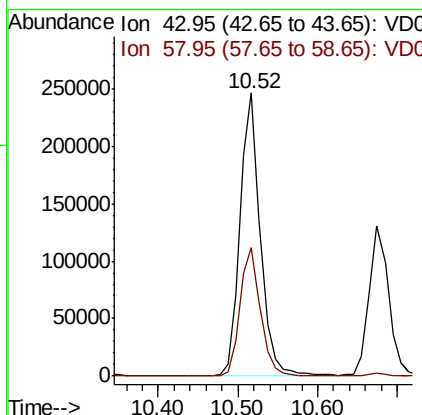
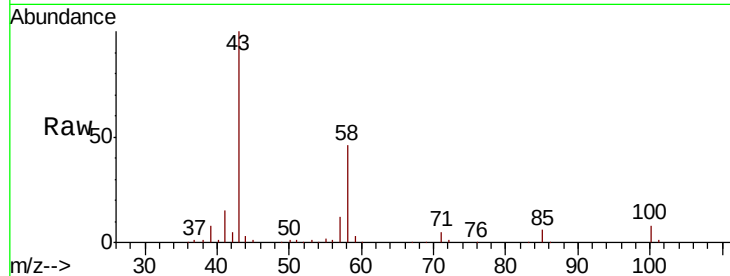




#59
2-Hexanone
Concen: 106.290 ug/l
RT: 10.52 min Scan# 944
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

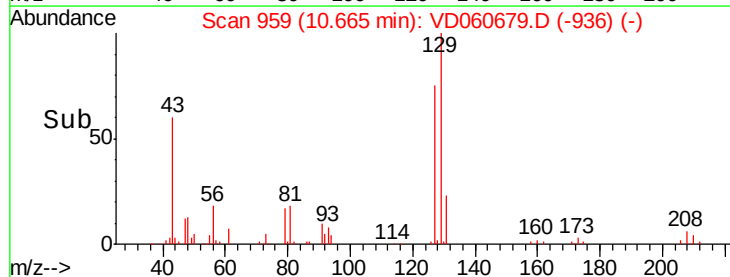
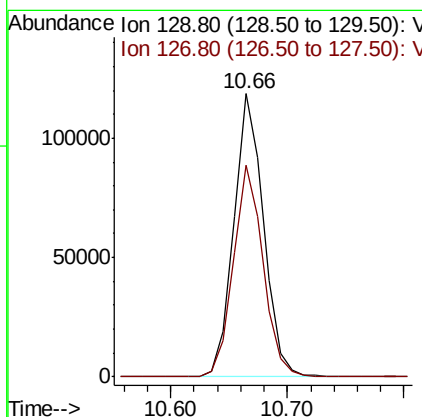
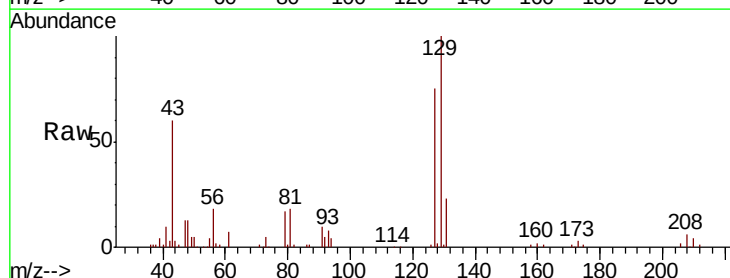
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

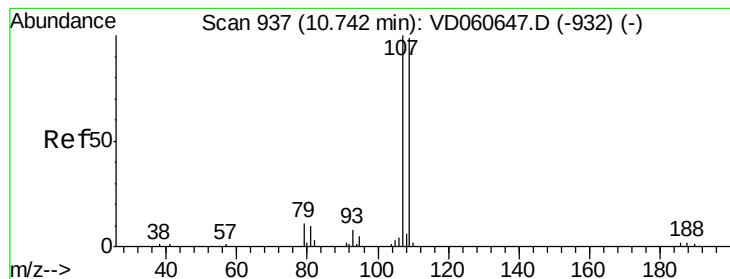
Tot Ion: 43 Resp: 437158
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.5



#60
Dibromochloromethane
Concen: 21.055 ug/l
RT: 10.66 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 129 Resp: 208801
Ion Ratio Lower Upper
129 100
127 74.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 20.741 ug/l

RT: 10.78 min Scan# 971

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

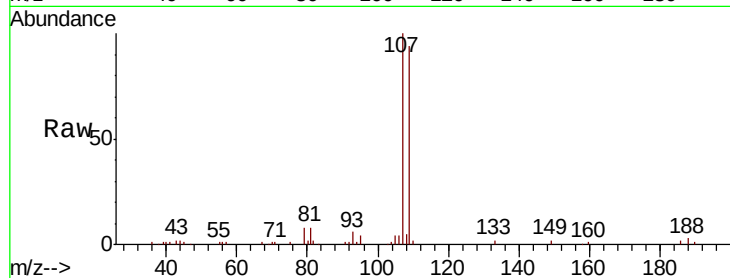
VD1221SBSD01

Tot Ion:107 Resp: 167492

Ion Ratio Lower Upper

107 100

109 94.1 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.78

80000

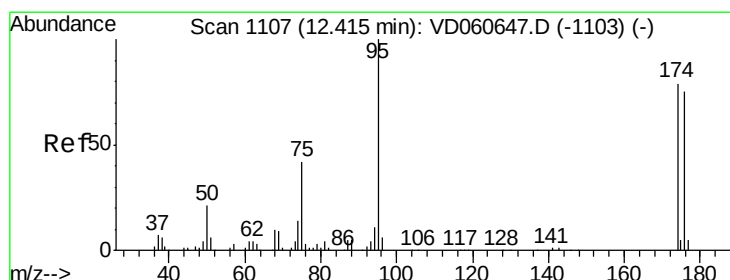
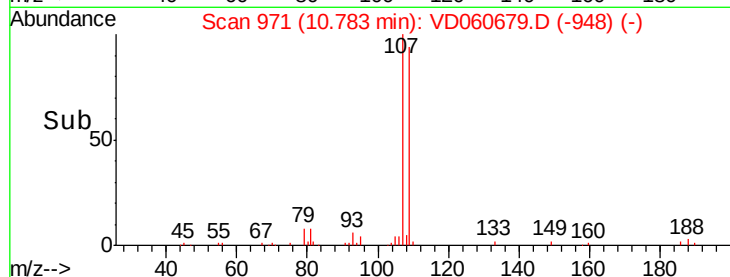
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.741 ug/l

RT: 12.45 min Scan# 1140

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

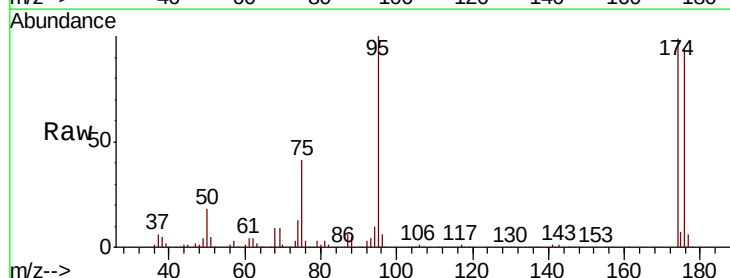
Tgt Ion: 95 Resp: 751818

Ion Ratio Lower Upper

95 100

174 98.7 0.0 158.2

176 93.6 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.45

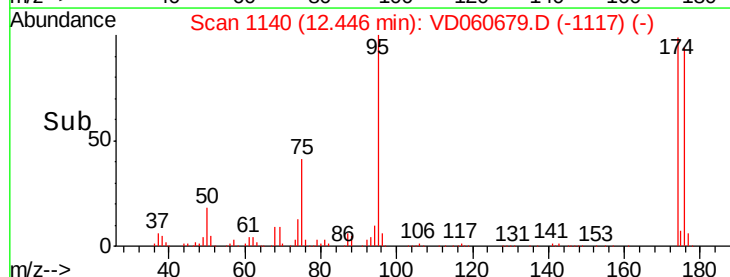
600000

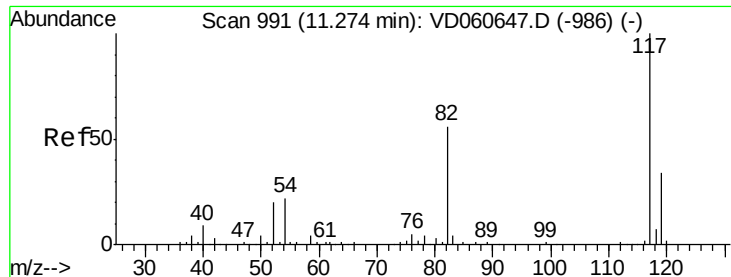
400000

200000

0

Time-->

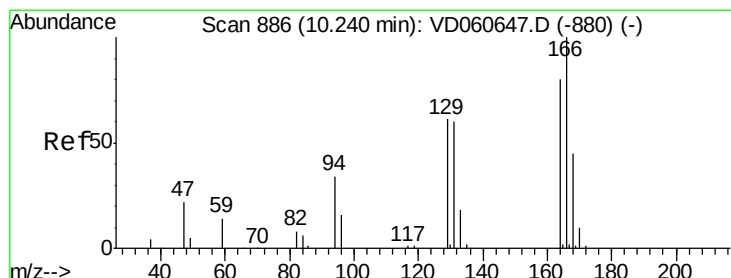
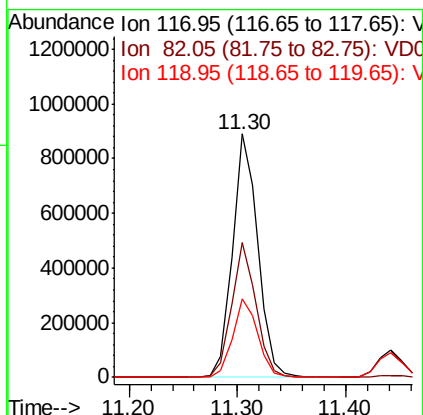
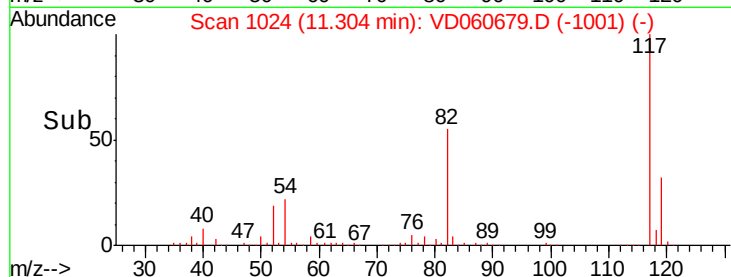
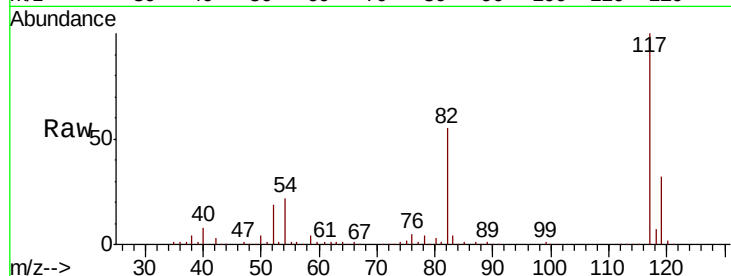




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1024
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

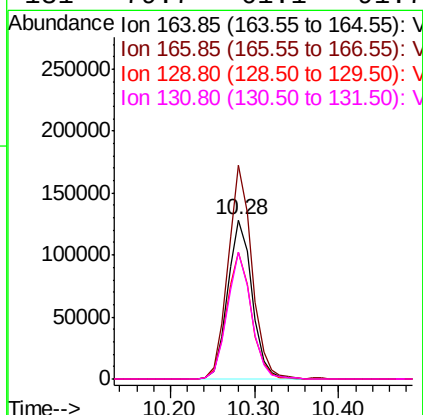
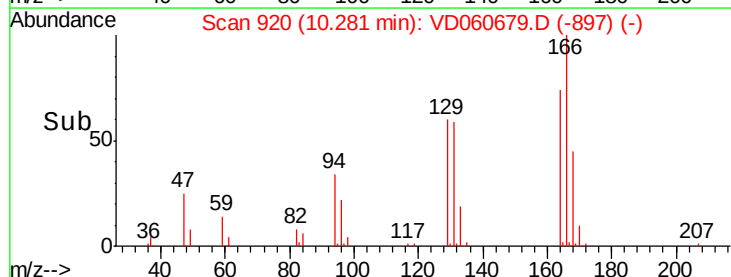
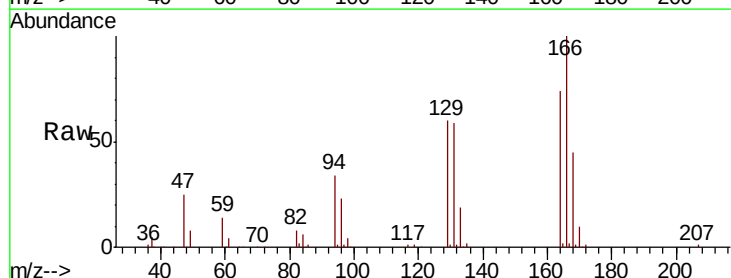
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

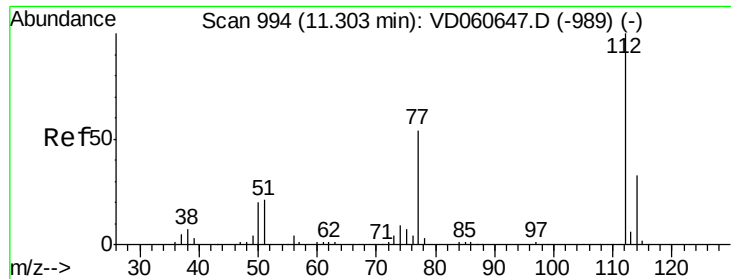
Tot Ion:117 Resp: 1443442
Ion Ratio Lower Upper
117 100
82 55.3 44.5 66.7
119 32.4 26.3 39.5



#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 10.28 min Scan# 920
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:164 Resp: 257261
Ion Ratio Lower Upper
164 100
166 134.4 104.4 156.6
129 80.0 62.7 94.1
131 79.7 61.1 91.7

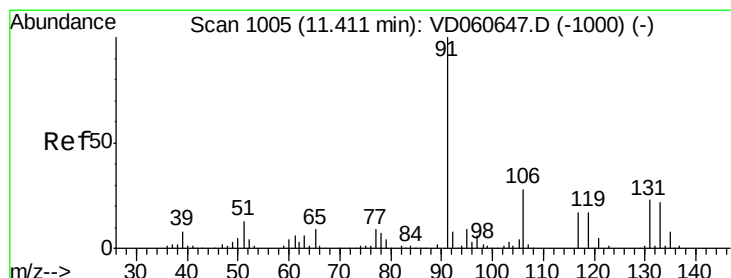
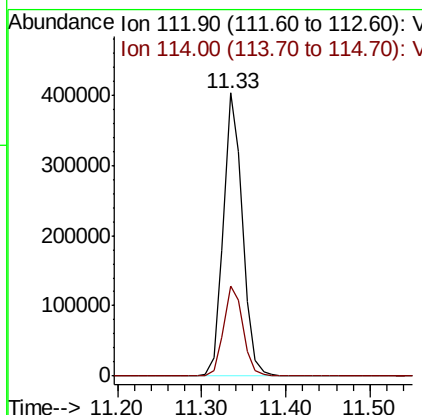
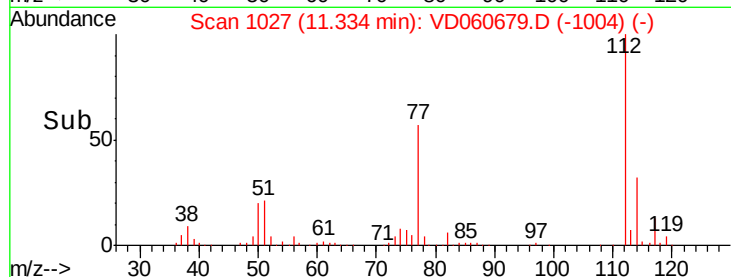
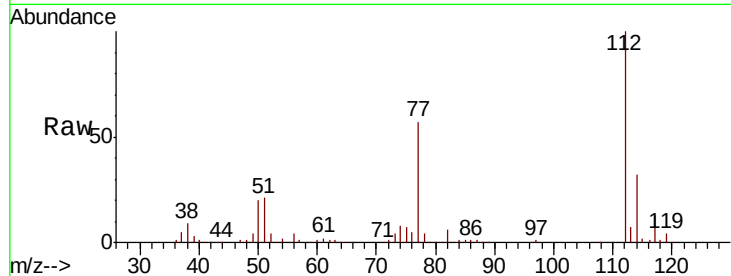




#65
Chlorobenzene
Concen: 19.872 ug/l
RT: 11.33 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

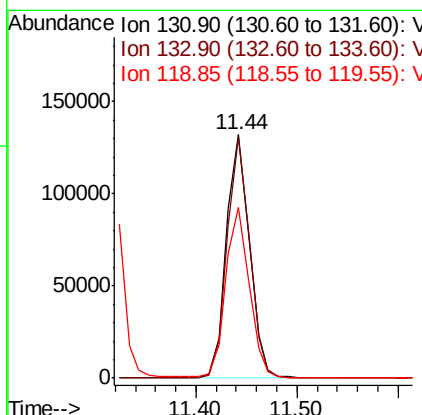
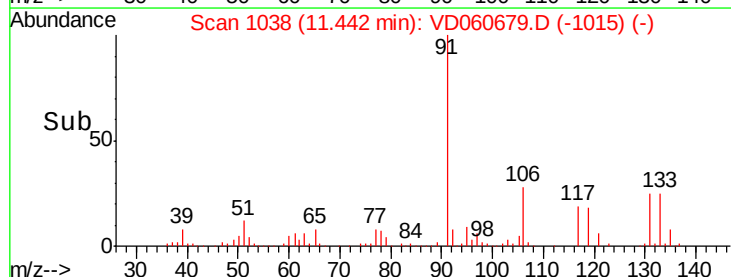
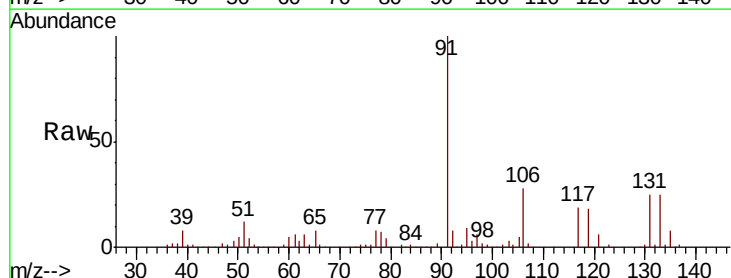
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

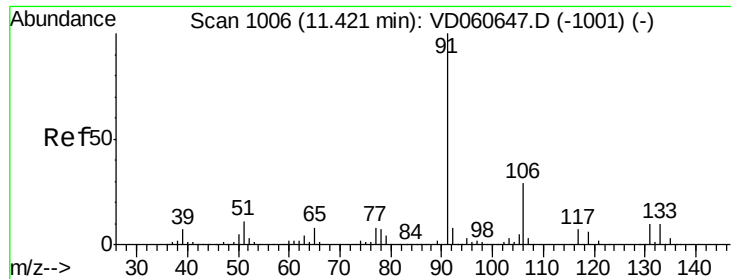
Tot Ion:112 Resp: 633739
Ion Ratio Lower Upper
112 100
114 31.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.508 ug/l
RT: 11.44 min Scan# 1038
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:131 Resp: 210288
Ion Ratio Lower Upper
131 100
133 99.0 49.1 147.3
119 70.1 36.6 109.8

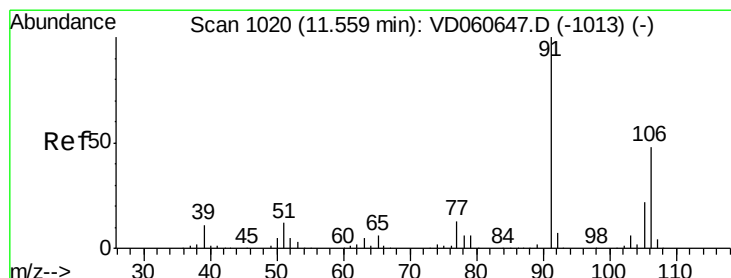
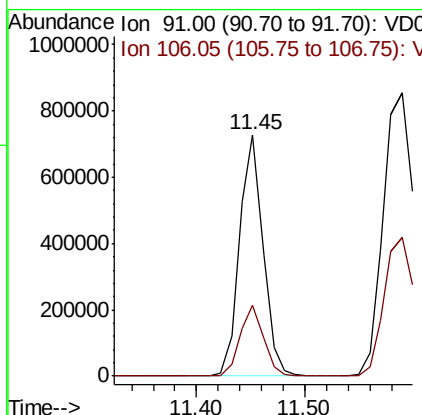
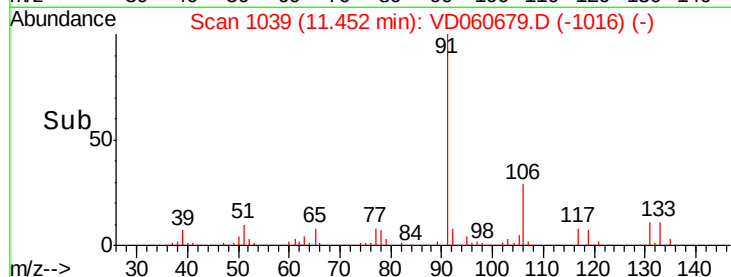
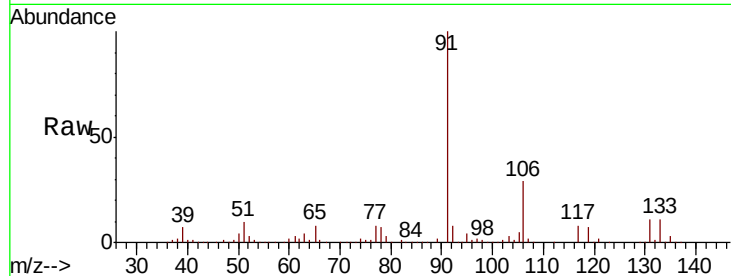




#67
Ethyl Benzene
Concen: 20.198 ug/l
RT: 11.45 min Scan# 1039
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

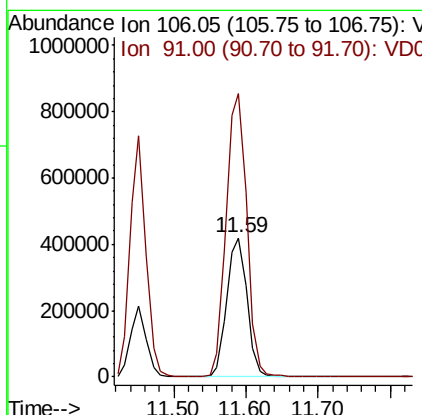
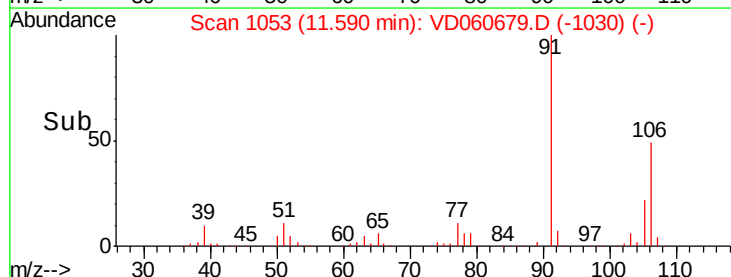
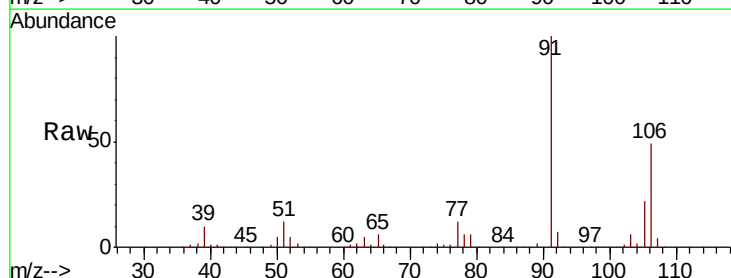
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

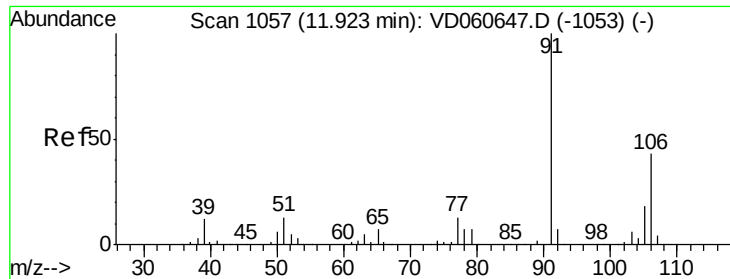
Tot Ion: 91 Resp: 1103122
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8



#68
m/p-Xylenes
Concen: 41.169 ug/l
RT: 11.59 min Scan# 1053
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 106 Resp: 821730
Ion Ratio Lower Upper
106 100
91 203.2 158.9 238.3

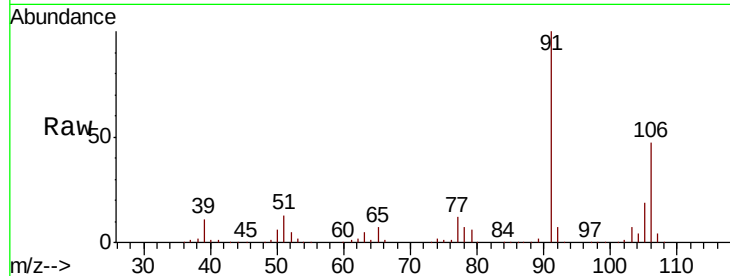




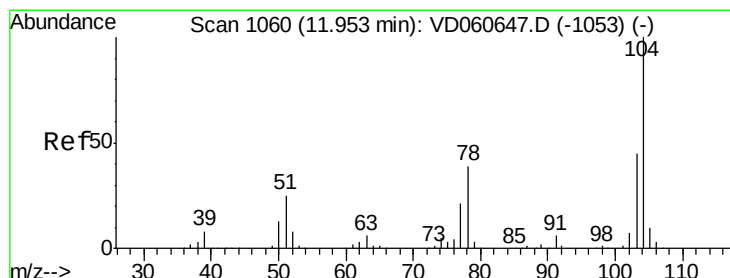
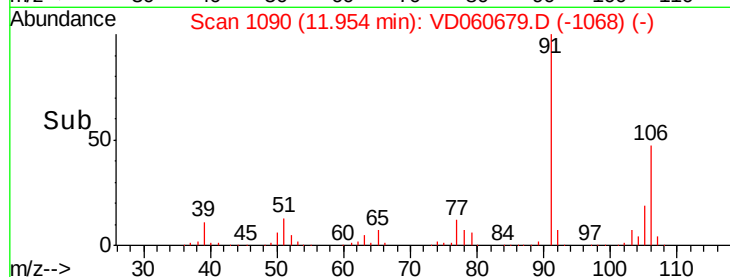
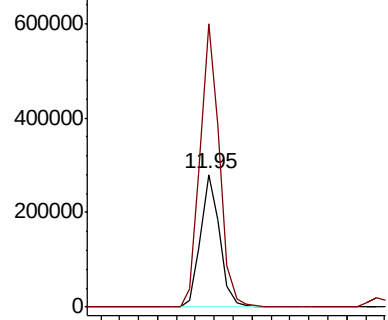
#69
o-Xylene
Concen: 20.704 ug/l
RT: 11.95 min Scan# 1090
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tot Ion:106 Resp: 392059
Ion Ratio Lower Upper
106 100
91 213.7 101.5 304.5

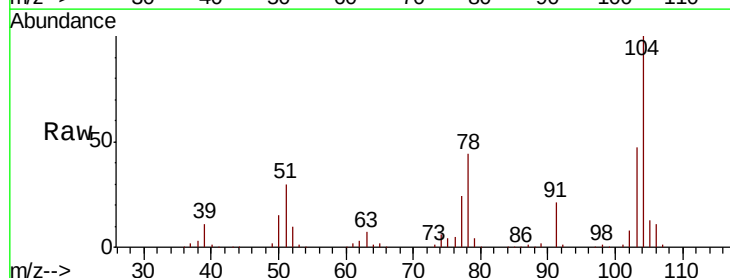


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

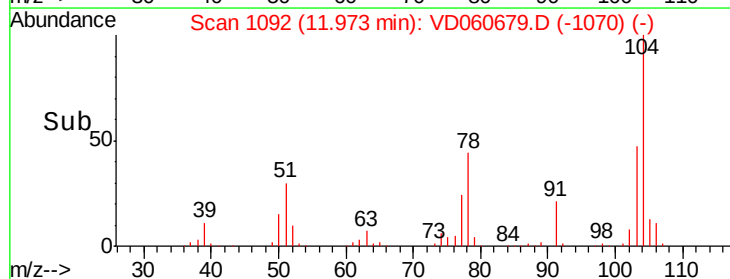
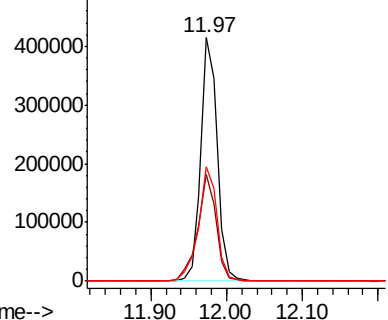


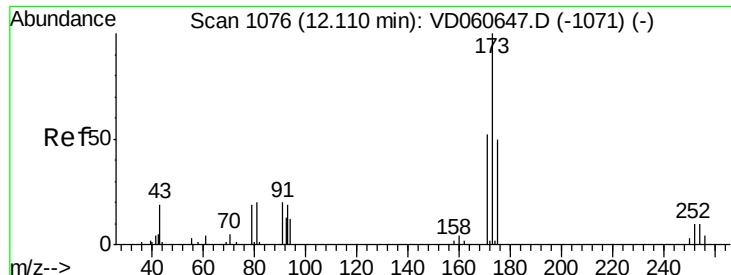
#70
Styrene
Concen: 20.320 ug/l
RT: 11.97 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:104 Resp: 619726
Ion Ratio Lower Upper
104 100
78 43.9 31.4 47.2
103 47.1 37.5 56.3



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





#71

Bromoform

Concen: 19.962 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

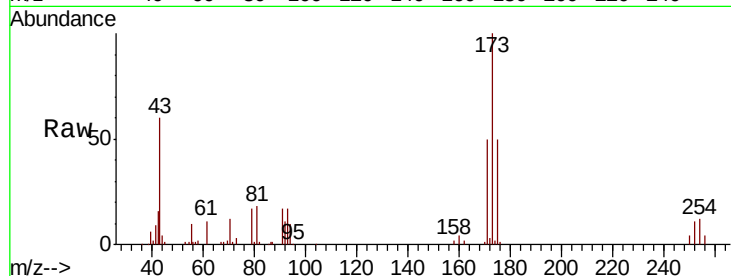
Tot Ion:173 Resp: 135115

Ion Ratio Lower Upper

173 100

175 50.4 25.5 76.5

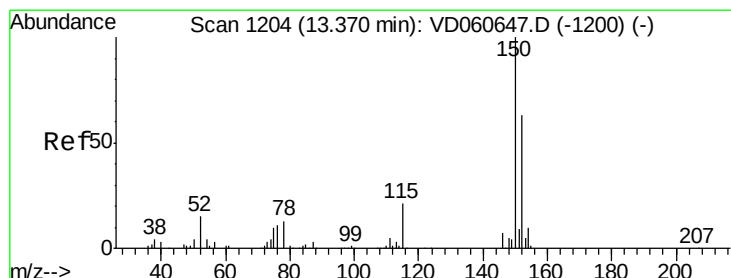
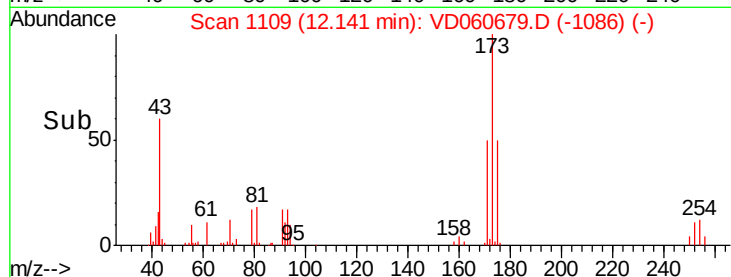
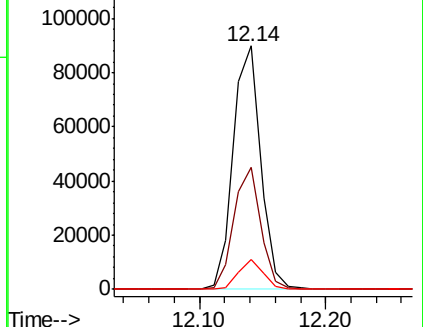
254 12.5 7.9 11.9#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.39 min Scan# 1236

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

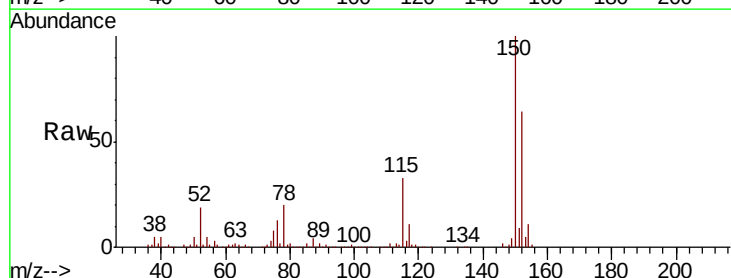
Tgt Ion:152 Resp: 751865

Ion Ratio Lower Upper

152 100

115 52.0 24.1 72.3

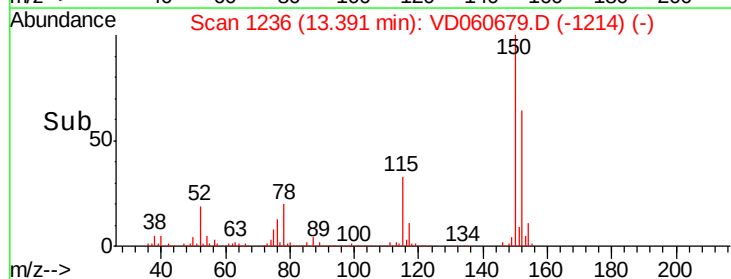
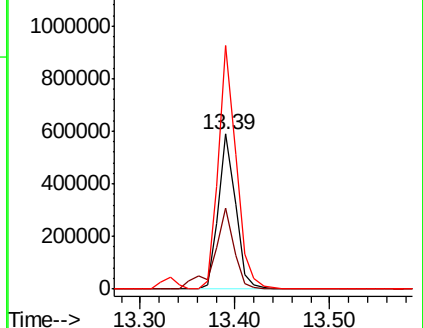
150 156.8 0.0 315.0

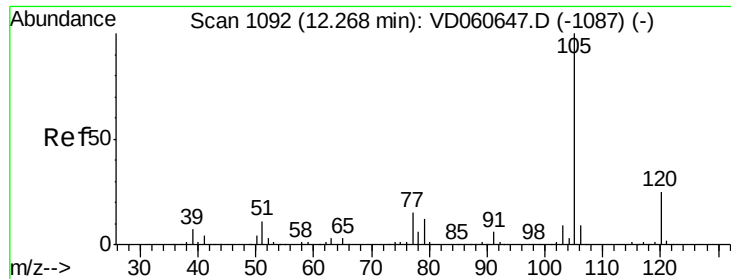


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.360 ug/l

RT: 12.30 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

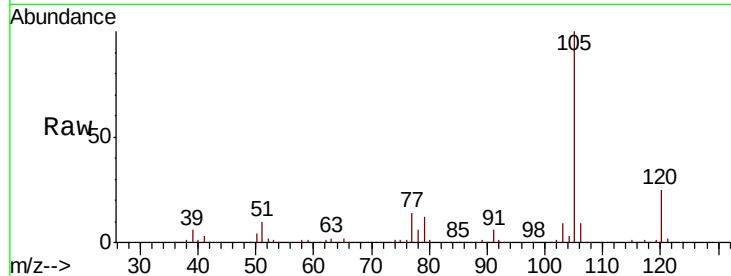
VD1221SBSD01

Tot Ion:105 Resp: 1089918

Ion Ratio Lower Upper

105 100

120 24.8 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

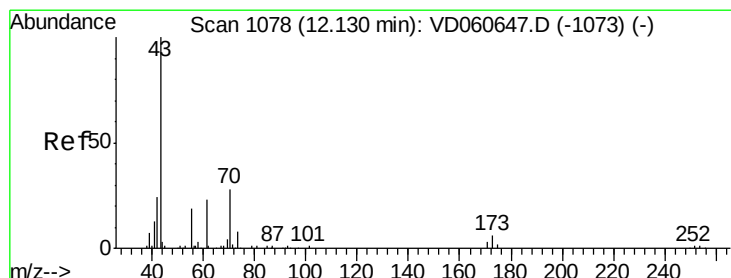
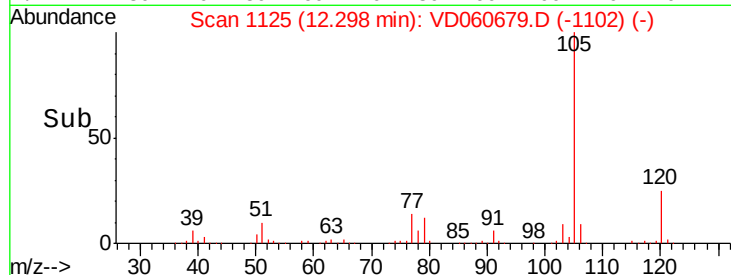
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.619 ug/l

RT: 12.15 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Tgt Ion: 43 Resp: 247868

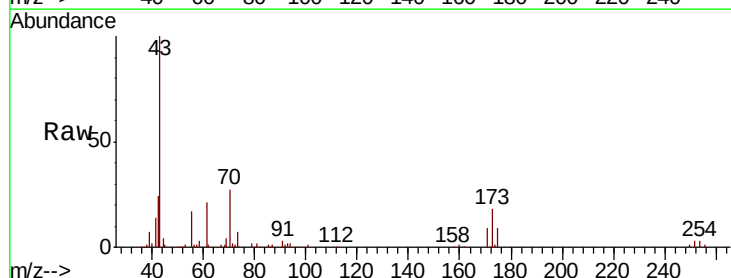
Ion Ratio Lower Upper

43 100

70 27.1 22.2 33.2

55 17.1 13.8 20.8

61 21.5 18.2 27.2



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

250000

200000

150000

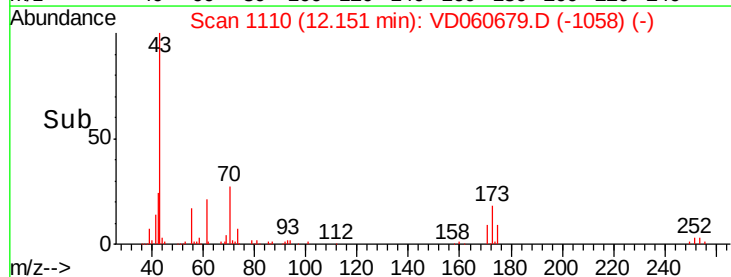
100000

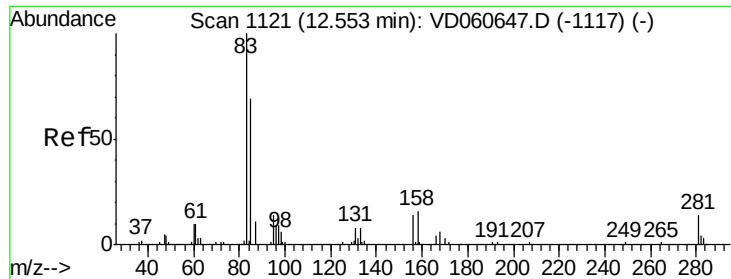
50000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.294 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

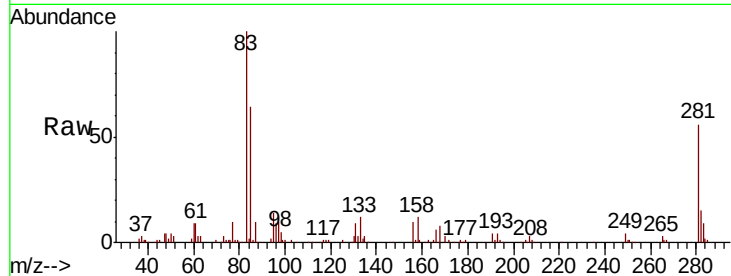
Tot Ion: 83 Resp: 184768

Ion Ratio Lower Upper

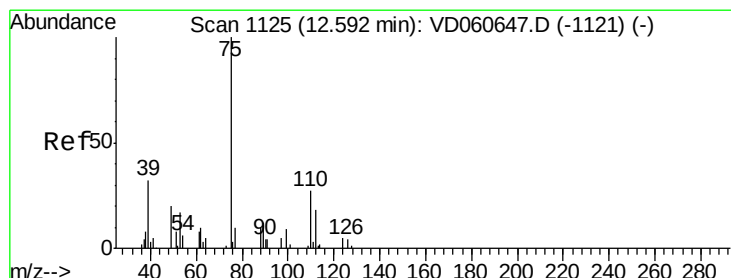
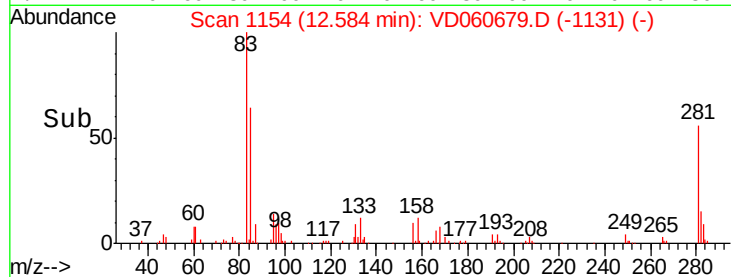
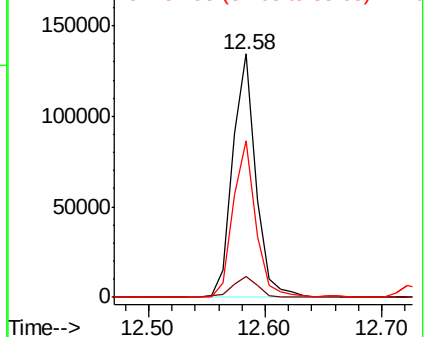
83 100

131 8.6 4.2 12.4

85 64.5 32.6 97.7



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: 20.293 ug/l

RT: 12.61 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VD060679.D

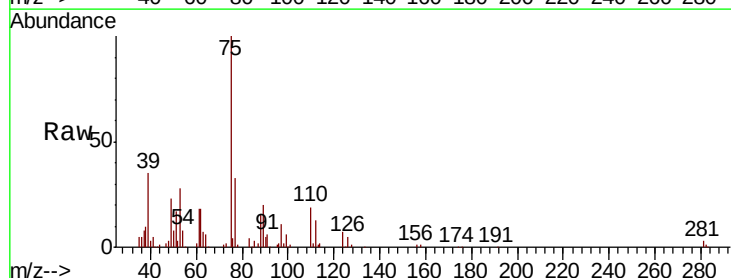
Acq: 21 Dec 2018 13:02

Tgt Ion: 75 Resp: 173708

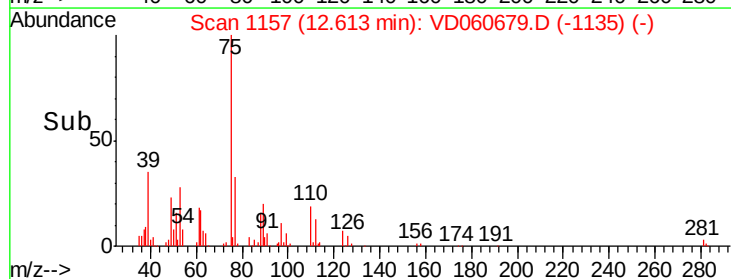
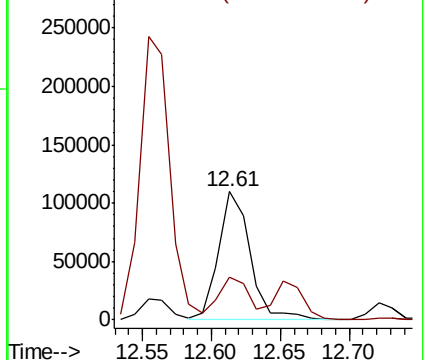
Ion Ratio Lower Upper

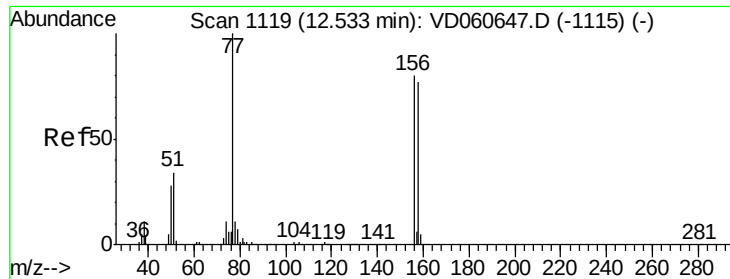
75 100

77 33.2 16.7 50.0



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

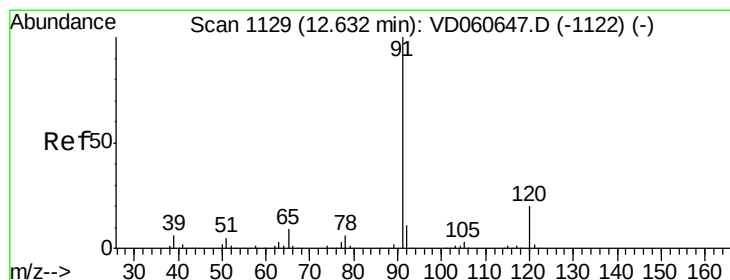
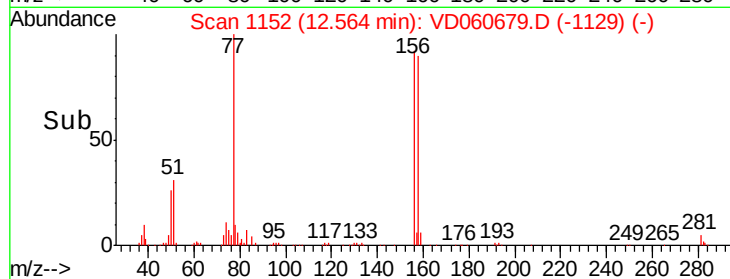
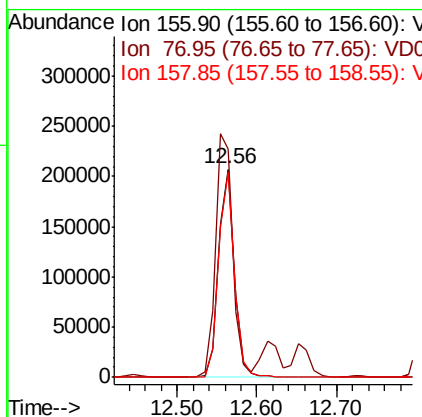
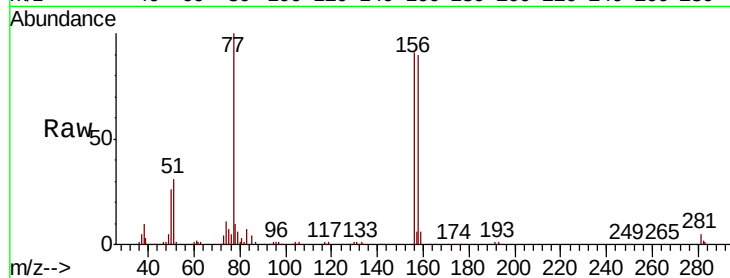




#77
Bromobenzene
Concen: 20.579 ug/l
RT: 12.56 min Scan# 1152
Delta R.T. 0.03 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

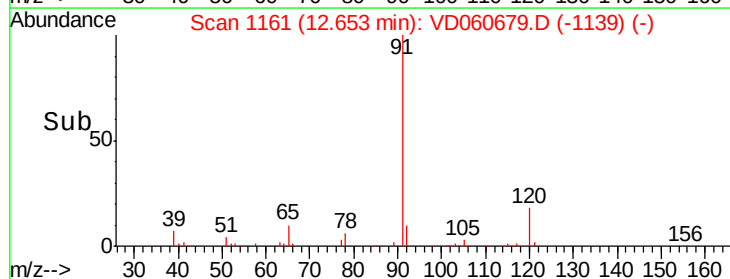
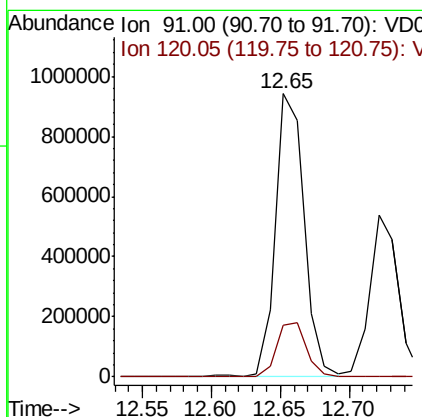
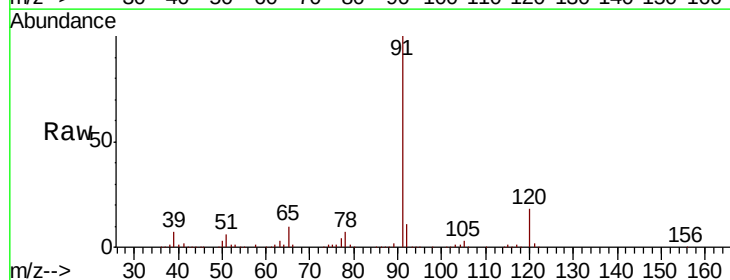
Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

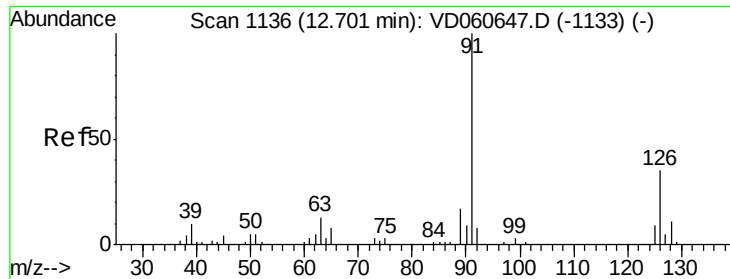
Tot Ion:156 Resp: 290848
Ion Ratio Lower Upper
156 100
77 109.7 61.3 183.9
158 98.9 48.9 146.6



#78
n-propylbenzene
Concen: 19.855 ug/l
RT: 12.65 min Scan# 1161
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 91 Resp: 1358830
Ion Ratio Lower Upper
91 100
120 18.3 10.4 31.2

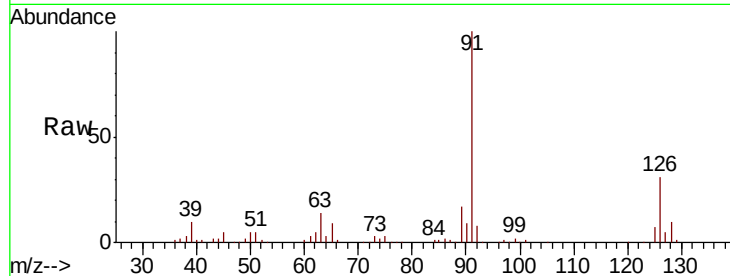




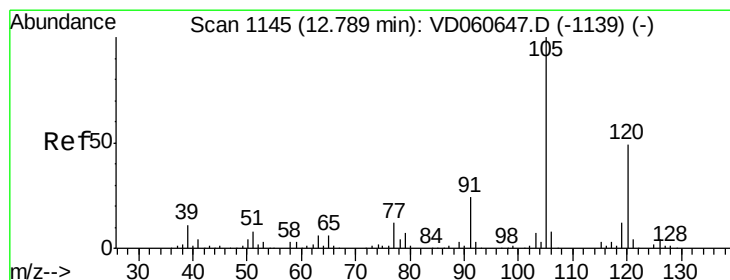
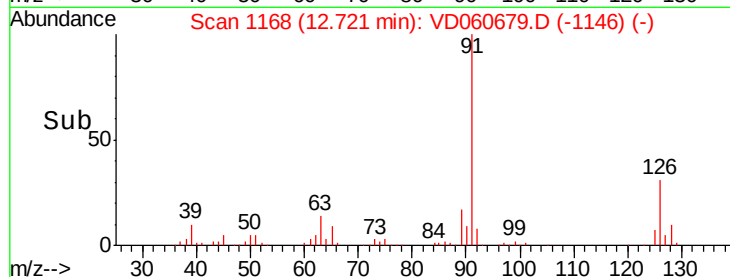
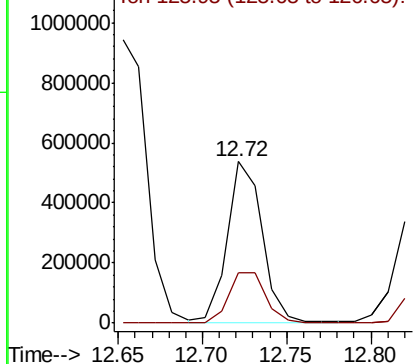
#79
 2-Chlorotoluene
 Concen: 20.868 ug/l
 RT: 12.72 min Scan# 1168
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tot Ion: 91 Resp: 764943
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.2 51.5

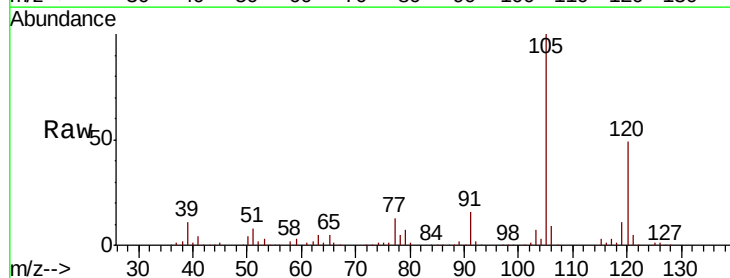


Abundance Ion 91.00 (90.70 to 91.70): VD060647.D (-1133) (-)
 Ion 125.95 (125.65 to 126.65): VD060647.D (-1133) (-)

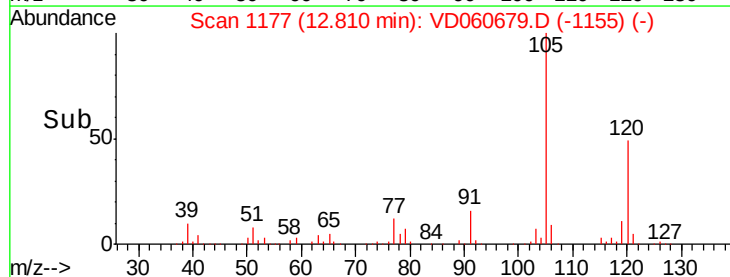
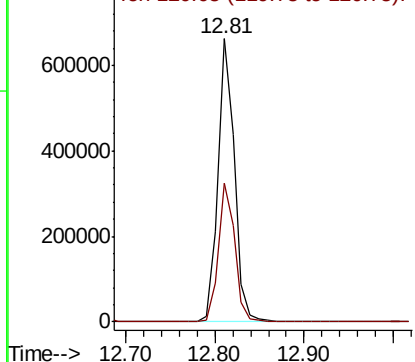


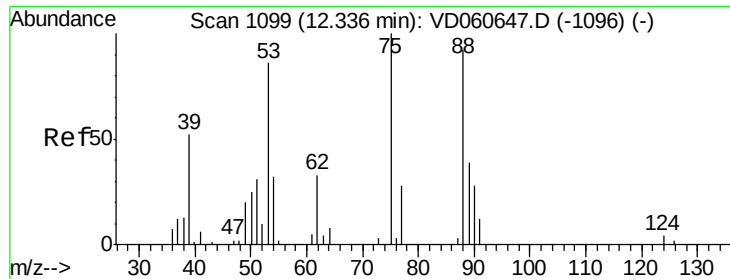
#80
 1,3,5-Trimethylbenzene
 Concen: 20.541 ug/l
 RT: 12.81 min Scan# 1177
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion: 105 Resp: 849077
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060647.D (-1139) (-)
 Ion 120.05 (119.75 to 120.75): VD060647.D (-1139) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.121 ug/l

RT: 12.36 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBSD01

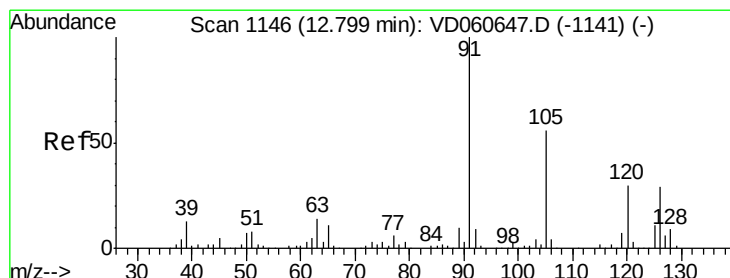
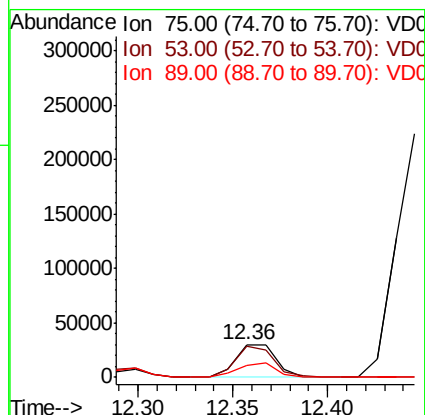
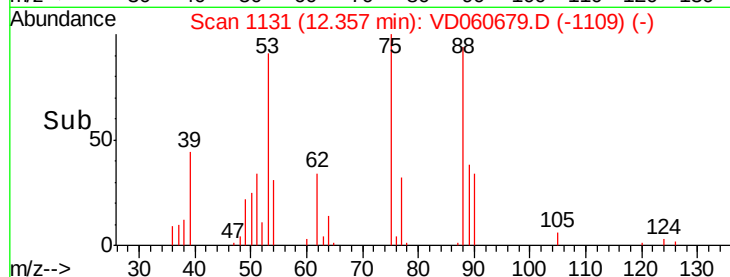
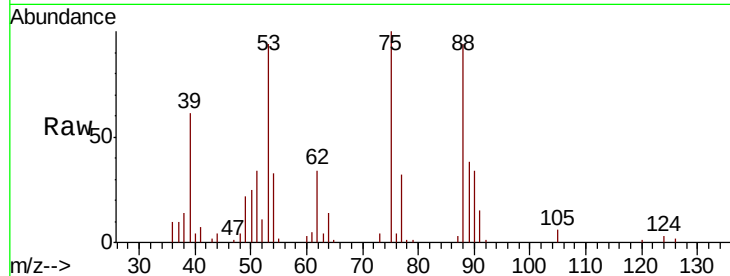
Tot Ion: 75 Resp: 45228

Ion Ratio Lower Upper

75 100

53 94.1 72.1 108.1

89 38.0 35.1 52.7



#82

4-Chlorotoluene

Concen: 20.798 ug/l

RT: 12.83 min Scan# 1179

Delta R.T. 0.03 min

Lab File: VD060679.D

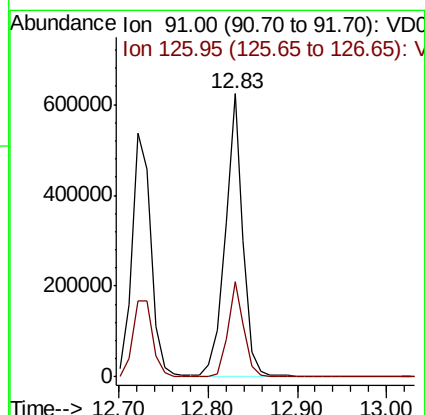
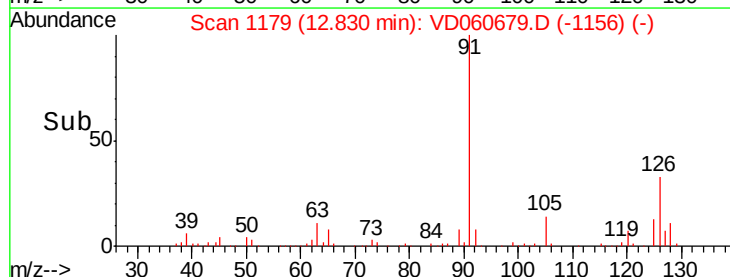
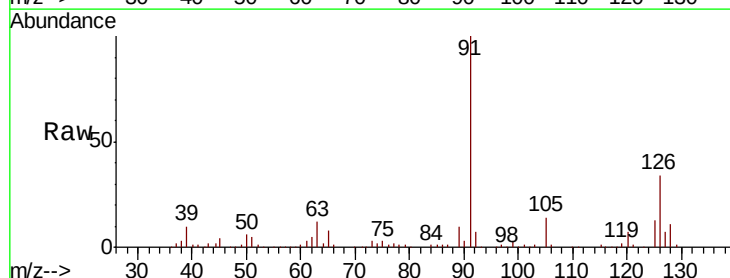
Acq: 21 Dec 2018 13:02

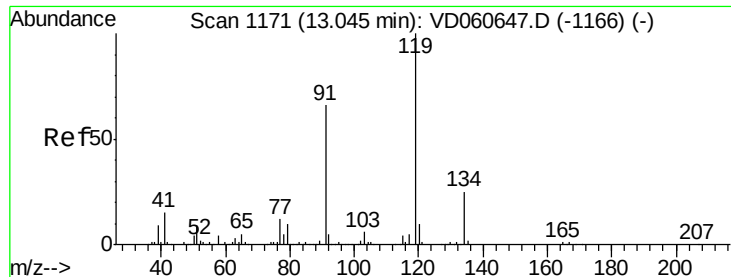
Tgt Ion: 91 Resp: 864080

Ion Ratio Lower Upper

91 100

126 33.6 14.6 43.8

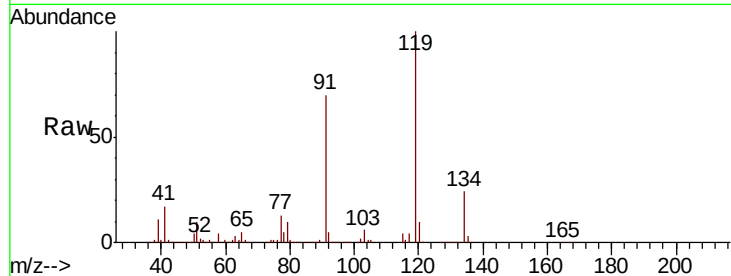




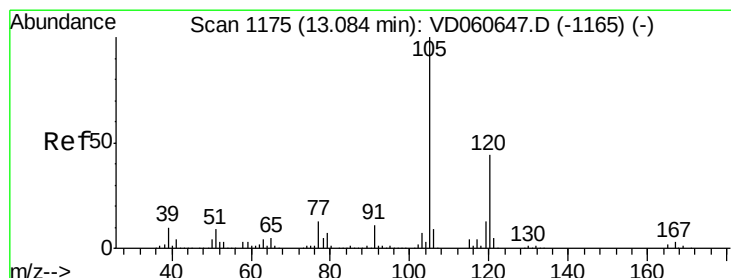
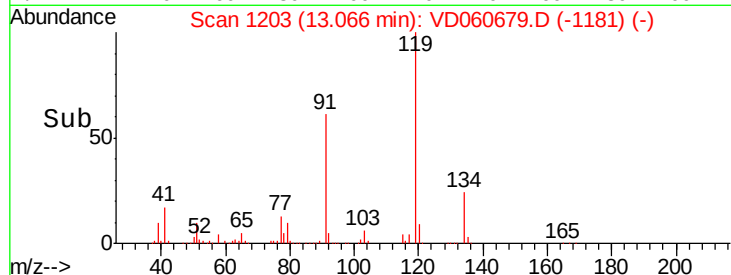
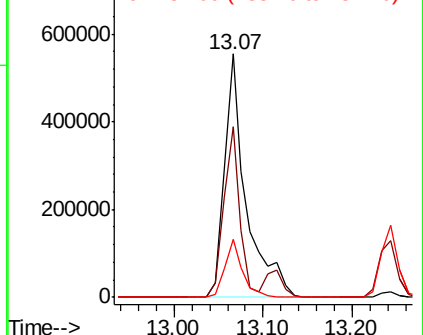
#83
 tert-Butylbenzene
 Concen: 20.137 ug/l
 RT: 13.07 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tot Ion:119 Resp: 947328
 Ion Ratio Lower Upper
 119 100
 91 70.2 32.5 97.4
 134 23.7 11.9 35.9

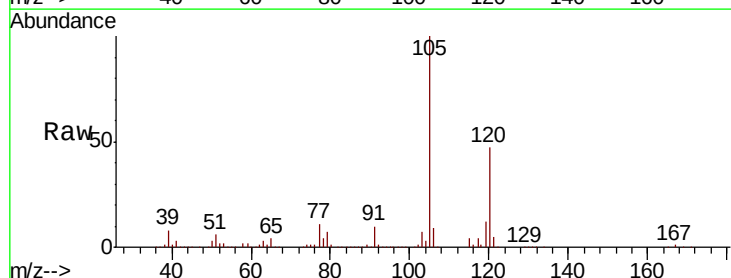


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

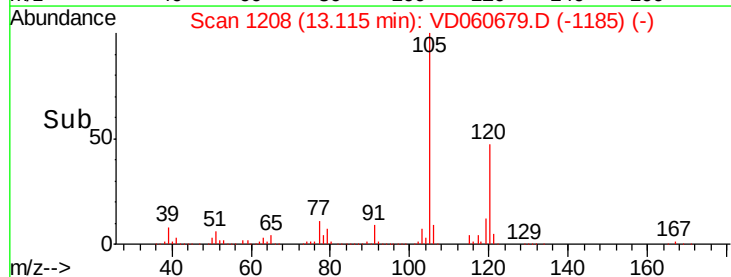
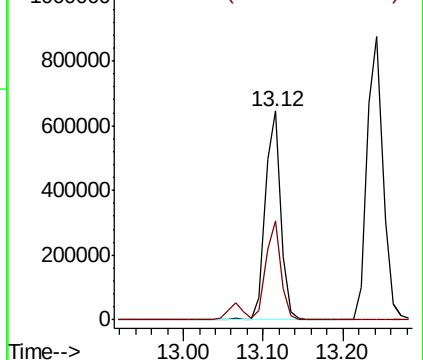


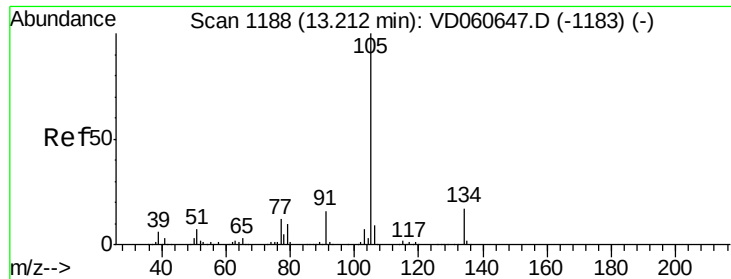
#84
 1,2,4-Trimethylbenzene
 Concen: 20.203 ug/l
 RT: 13.12 min Scan# 1208
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:105 Resp: 860132
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.4 67.0



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

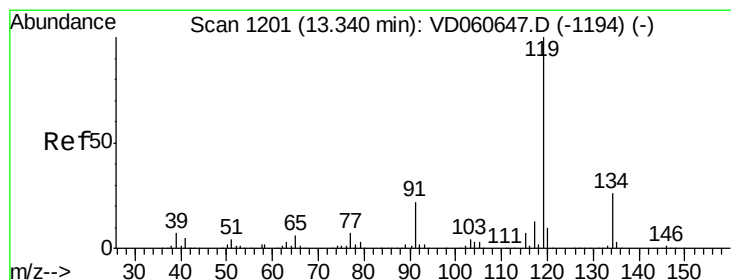
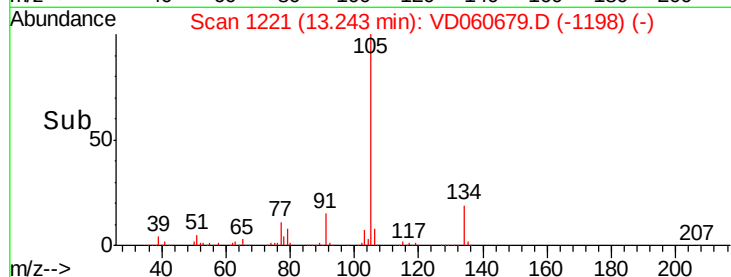
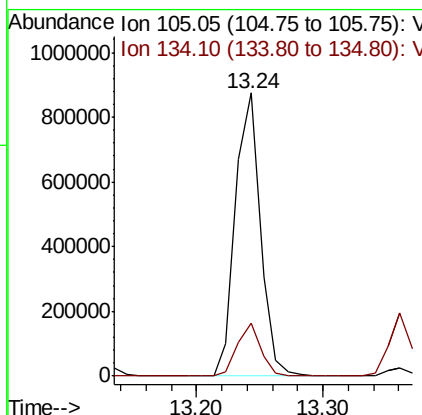
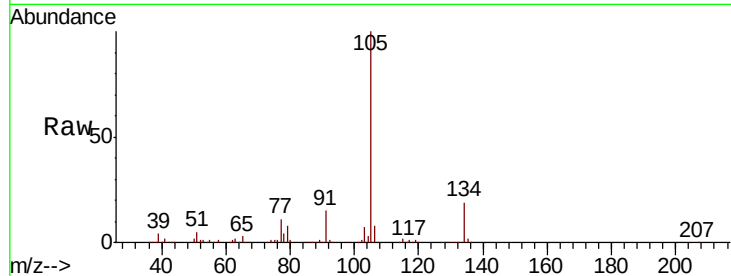




#85
 sec-Butylbenzene
 Concen: 20.776 ug/l
 RT: 13.24 min Scan# 1221
 Delta R.T. 0.03 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

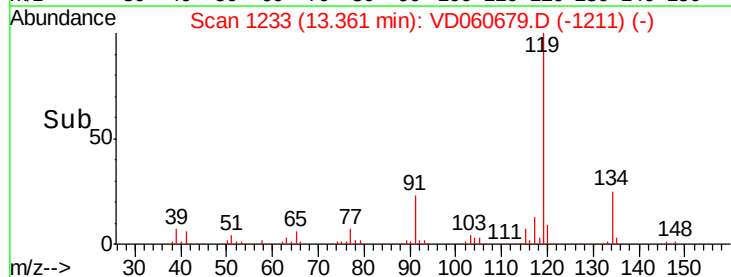
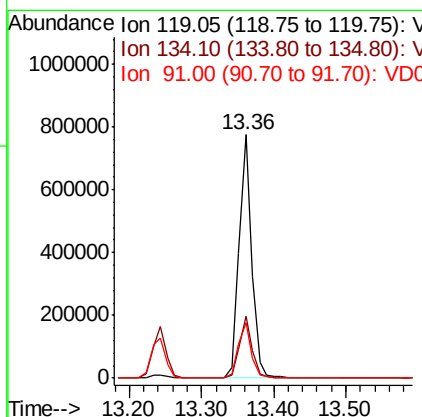
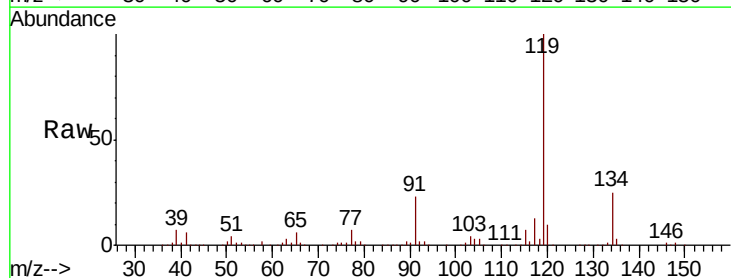
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

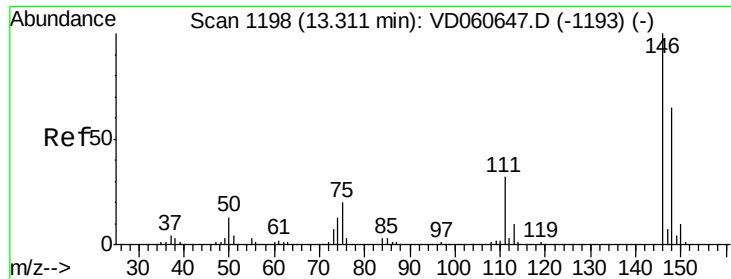
Tot Ion:105 Resp: 1191970
 Ion Ratio Lower Upper
 105 100
 134 18.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.515 ug/l
 RT: 13.36 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:119 Resp: 950090
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 23.0 11.4 34.2

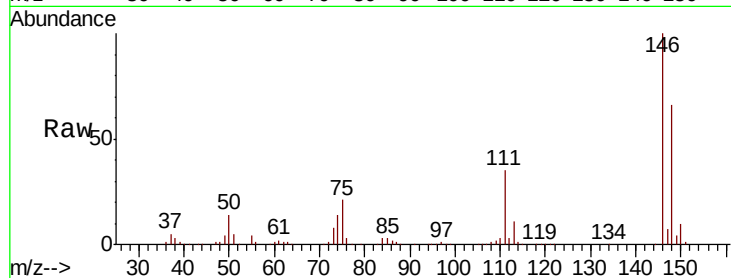




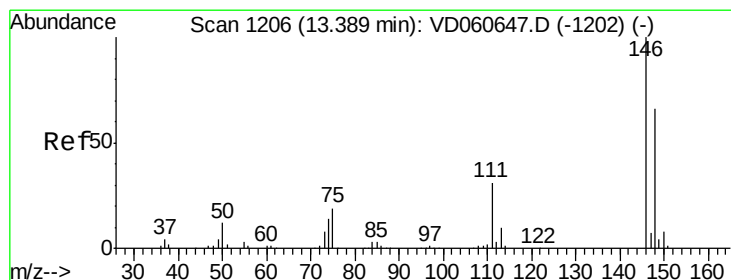
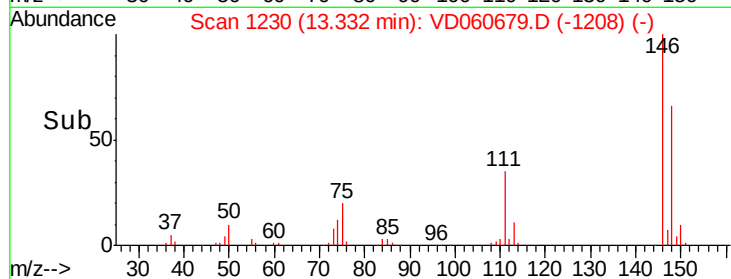
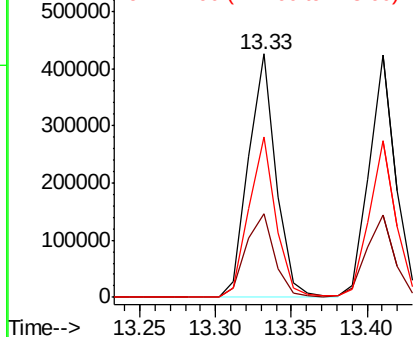
#87
 1,3-Dichlorobenzene
 Concen: 20.852 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tot Ion:146 Resp: 540984
 Ion Ratio Lower Upper
 146 100
 111 34.5 16.6 49.8
 148 65.8 32.6 97.8

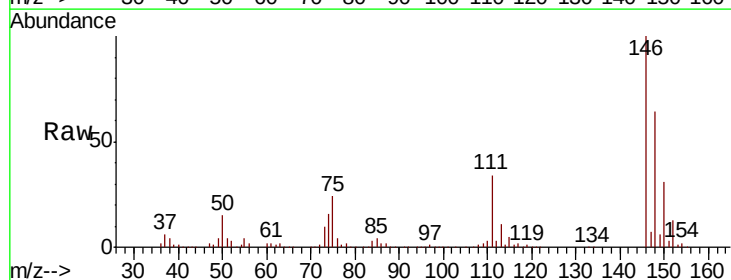


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

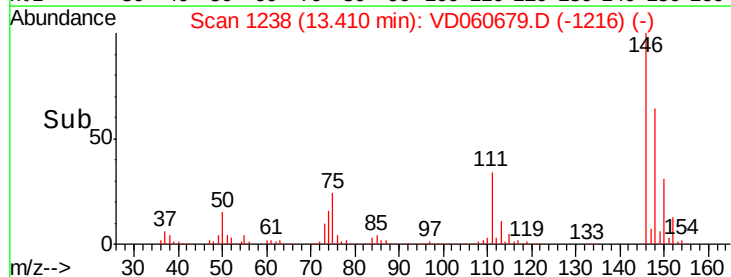
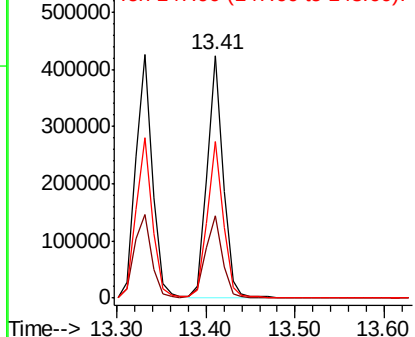


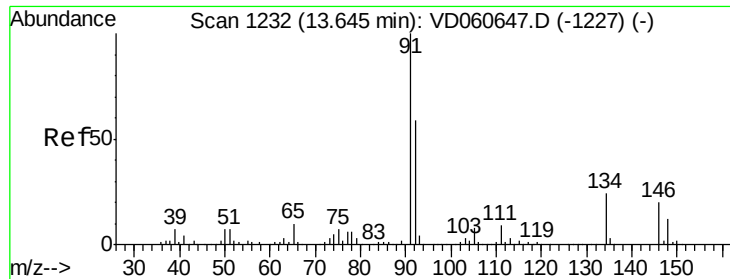
#88
 1,4-Dichlorobenzene
 Concen: 20.587 ug/l
 RT: 13.41 min Scan# 1238
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion:146 Resp: 526316
 Ion Ratio Lower Upper
 146 100
 111 33.7 16.2 48.5
 148 64.3 32.7 98.1



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

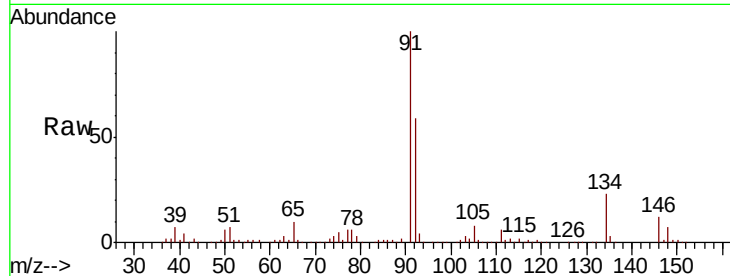




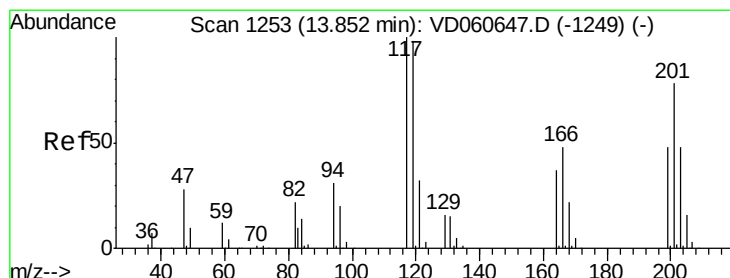
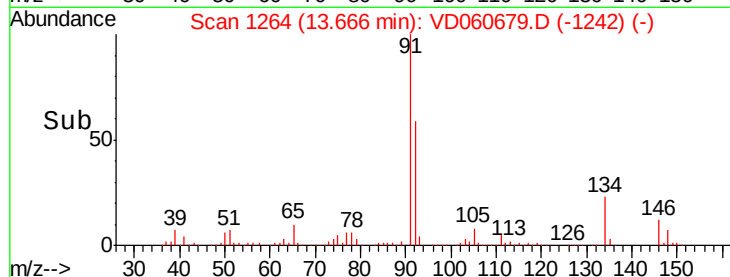
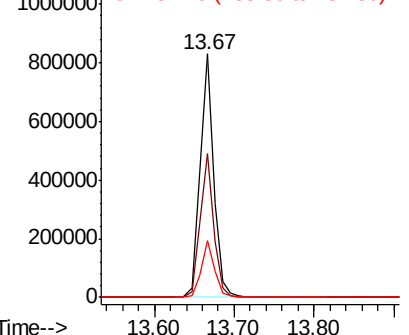
#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 13.67 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBS01

Tot Ion: 91 Resp: 1003367
Ion Ratio Lower Upper
91 100
92 58.8 29.7 89.1
134 23.3 12.7 38.1

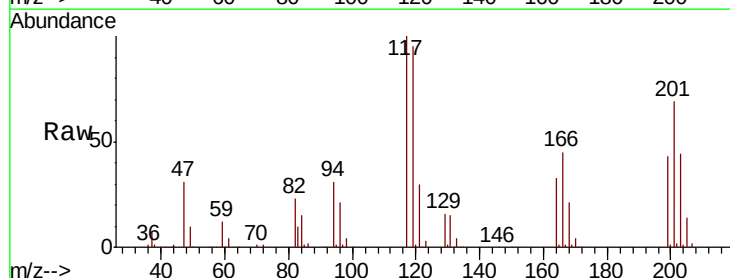


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

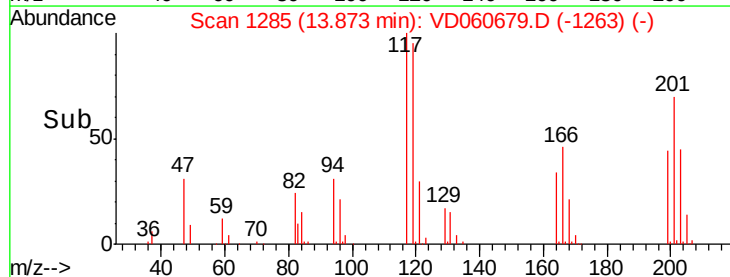
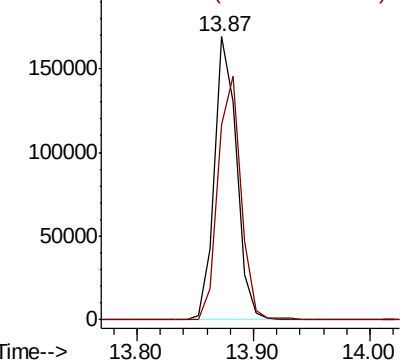


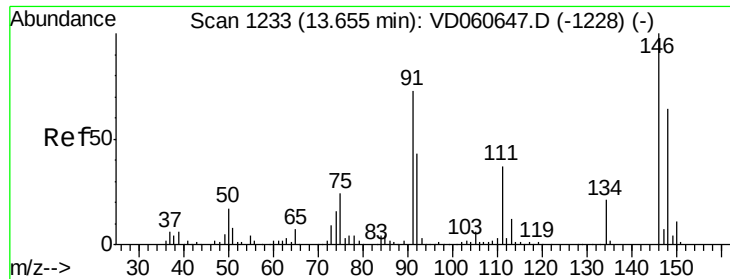
#90
Hexachloroethane
Concen: 19.722 ug/l
RT: 13.87 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion: 117 Resp: 224379
Ion Ratio Lower Upper
117 100
201 68.8 42.6 127.8



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





#91

1,2-Dichlorobenzene

Concen: 21.792 ug/l

RT: 13.68 min Scan# 1265

Delta R.T. 0.02 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1221SBS01

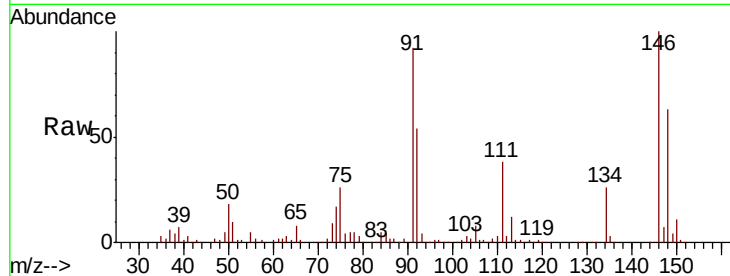
Tot Ion:146 Resp: 453540

Ion Ratio Lower Upper

146 100

111 38.5 19.3 57.9

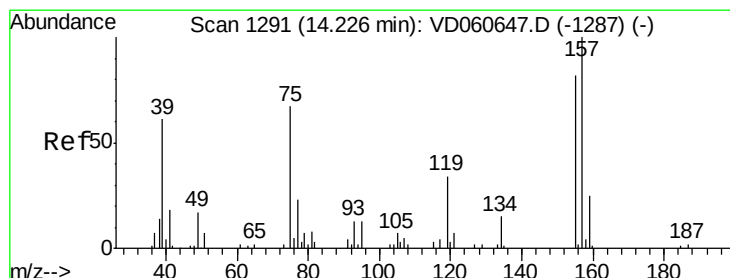
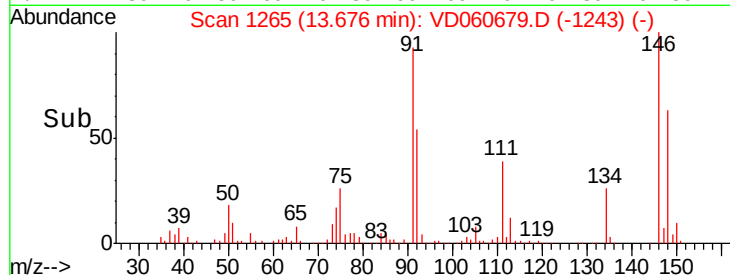
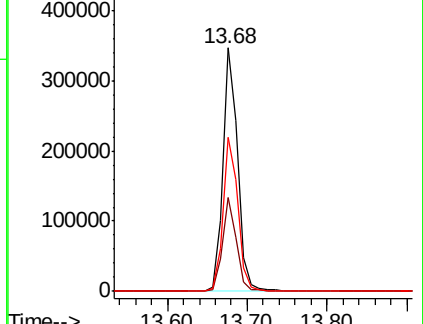
148 63.2 31.9 95.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.432 ug/l

RT: 14.25 min Scan# 1323

Delta R.T. 0.03 min

Lab File: VD060679.D

Acq: 21 Dec 2018 13:02

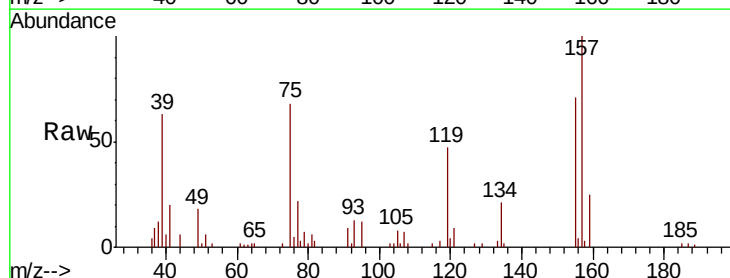
Tgt Ion: 75 Resp: 20828

Ion Ratio Lower Upper

75 100

155 104.3 41.1 123.4

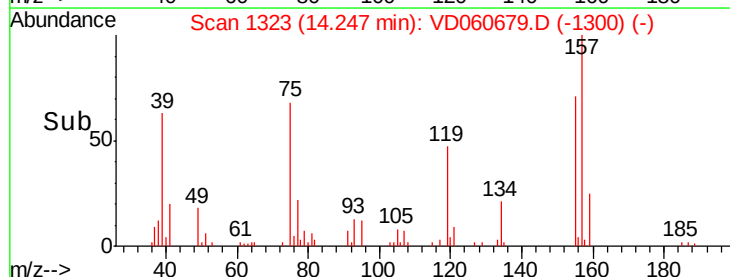
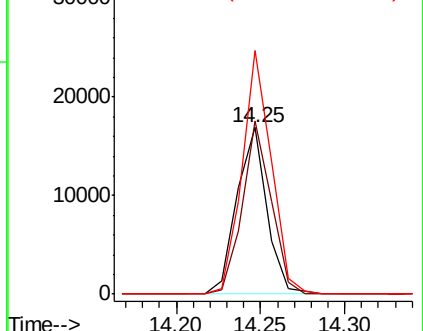
157 146.4 52.5 157.6

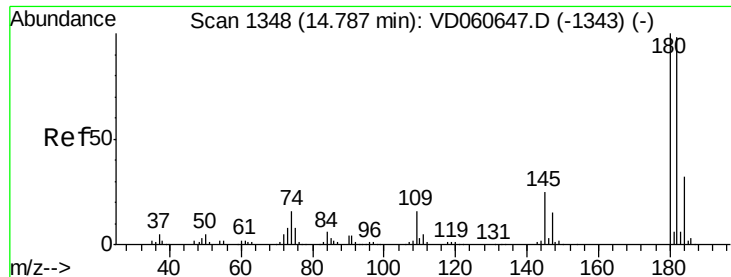


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

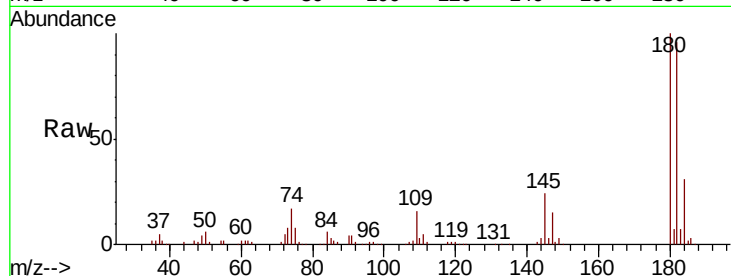




#93
 1,2,4-Trichlorobenzene
 Concen: 20.721 ug/l
 RT: 14.81 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1221SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.8	146.4
145	24.0	11.8	35.3

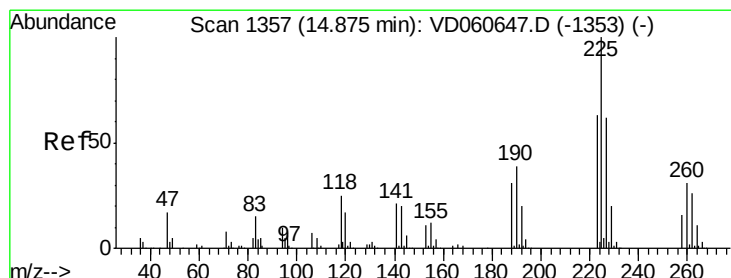
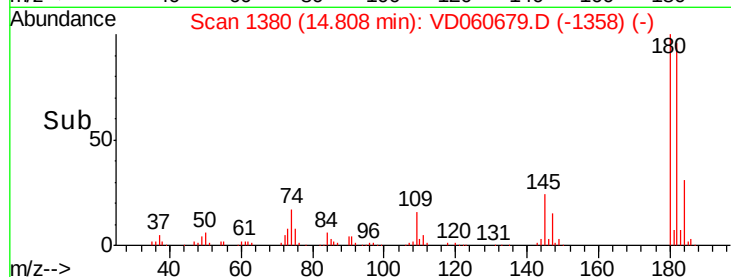
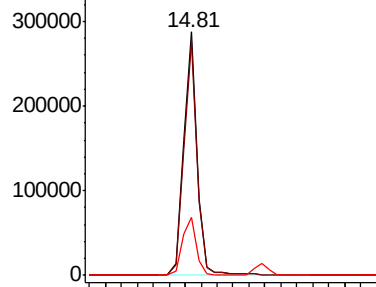


Abundance

Ion 179.85 (179.55 to 180.55): V

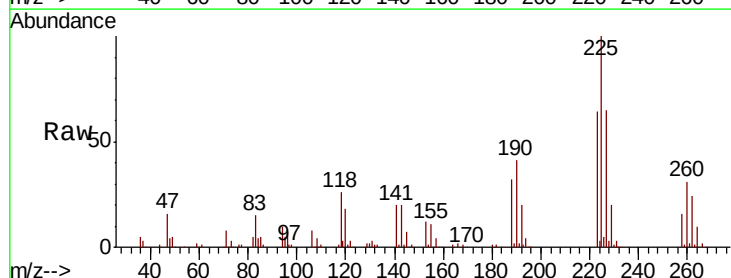
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.003 ug/l
 RT: 14.90 min Scan# 1389
 Delta R.T. 0.02 min
 Lab File: VD060679.D
 Acq: 21 Dec 2018 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.8
227	65.0	32.5	97.4

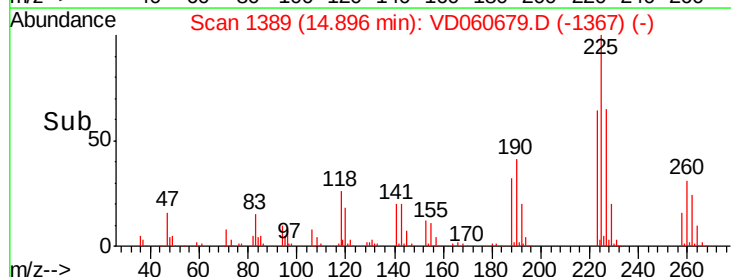
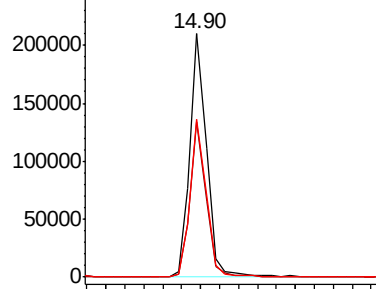


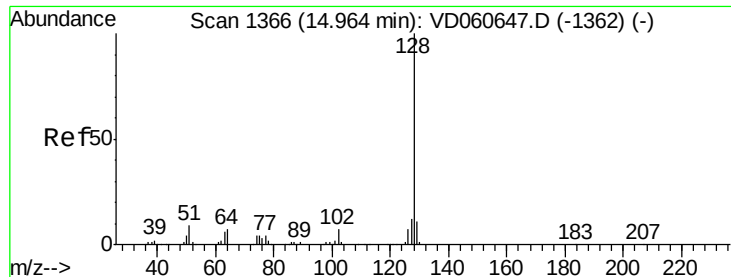
Abundance

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

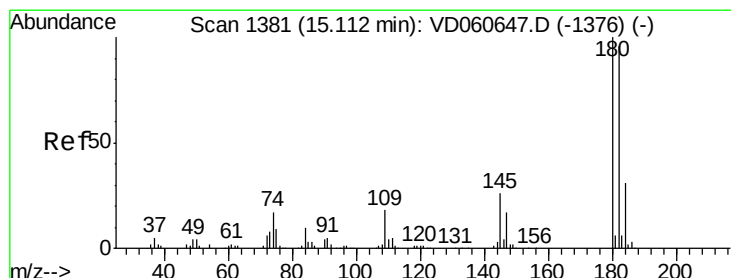
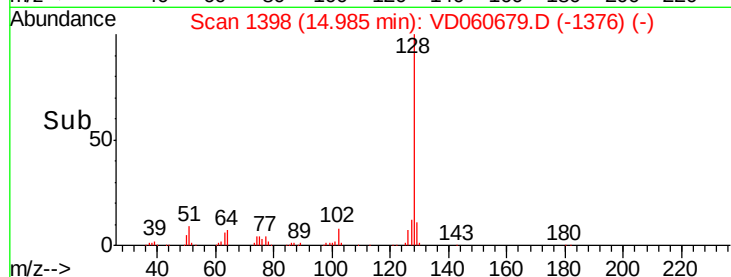
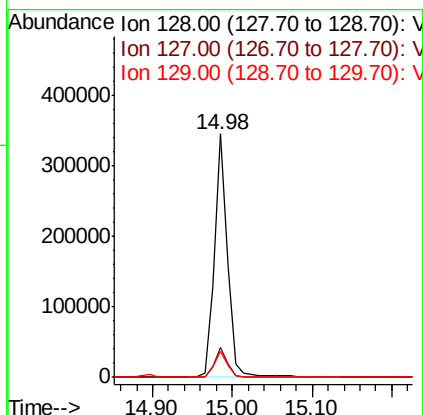
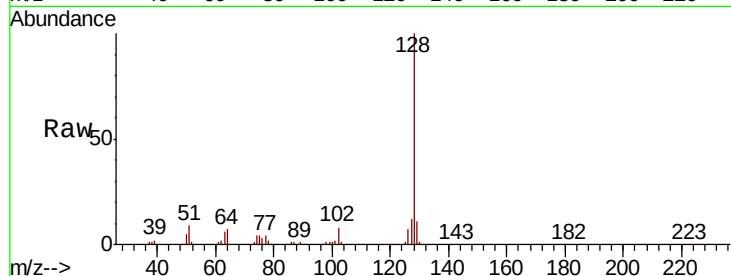




#95
Naphthalene
Concen: 20.334 ug/l
RT: 14.98 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1221SBSD01

Tot Ion:128 Resp: 400221
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.474 ug/l
RT: 15.13 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VD060679.D
Acq: 21 Dec 2018 13:02

Tgt Ion:180 Resp: 277999
Ion Ratio Lower Upper
180 100
182 95.7 48.6 145.9
145 27.1 12.6 37.8

