

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058208.D
 Acq On : 20 Jun 2018 14:23
 Operator : VA/AP
 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Quant Time: Jun 21 01:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	965727	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1229323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1012941	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	517078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	492132	50.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	5.55	113	507123	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.71	98	1221582	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.94	95	505243	51.09	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	245827	25.154	ug/l	96
3) Chloromethane	1.48	50	114570	25.007	ug/l	99
4) Vinyl Chloride	1.55	62	117035	23.134	ug/l	100
5) Bromomethane	1.79	94	38081	19.964	ug/l	100
6) Chloroethane	1.88	64	39608	20.065	ug/l	90
7) Trichlorofluoromethane	2.07	101	150827	21.744	ug/l	95
8) Diethyl Ether	2.34	74	30096	20.513	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.55	101	101447	23.005	ug/l	93
10) Methyl Iodide	2.69	142	116344	23.195	ug/l	98
11) Tert butyl alcohol	3.28	59	27904	86.733	ug/l #	93
12) 1,1-Dichloroethene	2.54	96	75146	22.649	ug/l	96
13) Acrolein	2.47	56	24139	131.434	ug/l	95
14) Allyl chloride	2.92	41	171363	22.191	ug/l	98
15) Acrylonitrile	3.36	53	81282	95.283	ug/l	88
16) Acetone	2.61	43	144382	108.231	ug/l #	92
17) Carbon Disulfide	2.75	76	258617	22.911	ug/l	98
18) Methyl Acetate	2.93	43	51892	18.240	ug/l	96
19) Methyl tert-butyl Ether	3.42	73	236315	26.854	ug/l	98
20) Methylene Chloride	3.07	84	83620	21.273	ug/l	87
21) trans-1,2-Dichloroethene	3.38	96	91600	25.262	ug/l	86
22) Diisopropyl ether	4.07	45	644928	21.028	ug/l	99
23) Vinyl Acetate	4.02	43	1793888	109.112	ug/l	100
24) 1,1-Dichloroethane	3.97	63	380397	23.022	ug/l	97
25) 2-Butanone	4.84	43	293954	101.101	ug/l	99
26) 2,2-Dichloropropane	4.80	77	323159	23.358	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	210779	23.262	ug/l	95
28) Bromochloromethane	5.15	49	159640	21.553	ug/l #	95
29) Tetrahydrofuran	5.20	42	154703	99.963	ug/l	99
30) Chloroform	5.32	83	383022	21.958	ug/l	96
31) Cyclohexane	5.59	56	315108	23.496	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	324917	22.544	ug/l	98
36) 1,1-Dichloropropene	5.75	75	282470	23.227	ug/l	97
37) Ethyl Acetate	4.93	43	147064	21.224	ug/l	96
38) Carbon Tetrachloride	5.73	117	284683	23.560	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	279810	23.622	ug/l	98
40) Benzene	6.01	78	633156	21.856	ug/l	99
41) Methacrylonitrile	5.13	41	70899	21.190	ug/l	97
42) 1,2-Dichloroethane	6.13	62	257330	22.030	ug/l	98
43) Isopropyl Acetate	7.63	43	187307	20.276	ug/l #	96
44) Trichloroethene	6.99	130	195570	22.482	ug/l	95
45) 1,2-Dichloropropane	7.35	63	173077	22.184	ug/l	94
46) Dibromomethane	7.47	93	117340	22.032	ug/l	97
47) Bromodichloromethane	7.75	83	265917	21.895	ug/l	98
48) Methyl methacrylate	7.51	41	116116	20.682	ug/l	89
49) 1,4-Dioxane	7.50	88	19503	384.823	ug/l #	66
51) 4-Methyl-2-Pentanone	8.60	43	610207	101.270	ug/l	98
52) Toluene	8.81	92	378887	22.969	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	234038	22.164	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	266657	21.541	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	125942	21.580	ug/l	93
56) Ethyl methacrylate	9.32	69	151629	21.725	ug/l	98
57) 1,3-Dichloropropane	9.66	76	211620	21.526	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.19	63	381241	110.335	ug/l	96
59) 2-Hexanone	9.79	43	468281	107.553	ug/l	95
60) Dibromochloromethane	9.96	129	169082	21.348	ug/l	98
61) 1,2-Dibromoethane	10.10	107	141546	22.159	ug/l	95
64) Tetrachloroethene	9.52	164	181345	21.277	ug/l	99
65) Chlorobenzene	10.73	112	427041	22.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.86	131	153027	20.928	ug/l	100
67) Ethyl Benzene	10.87	91	715611	21.393	ug/l	98
68) m/p-Xylenes	11.01	106	506380	45.394	ug/l	99
69) o-Xylene	11.41	106	243305	22.836	ug/l	96
70) Styrene	11.44	104	416427	22.905	ug/l	99
71) Bromoform	11.60	173	114800	19.681	ug/l	99
73) Isopropylbenzene	11.78	105	697827	22.562	ug/l	99
74) N-amyl acetate	11.65	43	238026	19.904	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	146666	20.377	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	159051	21.068	ug/l	96
77) Bromobenzene	12.05	156	200265	21.623	ug/l	94
78) n-propylbenzene	12.16	91	934016	23.385	ug/l	97
79) 2-Chlorotoluene	12.21	91	529146	23.151	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	571024	23.671	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.85	75	38526	20.924	ug/l #	79
82) 4-Chlorotoluene	12.33	91	593593	23.799	ug/l	98
83) tert-Butylbenzene	12.58	119	619692	22.343	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	592408	22.592	ug/l	99
85) sec-Butylbenzene	12.76	105	742150	22.829	ug/l	99
86) p-Isopropyltoluene	12.88	119	604419	22.943	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	359501	22.333	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	352759	22.441	ug/l	100
89) n-Butylbenzene	13.20	91	648715	23.430	ug/l	96
90) Hexachloroethane	13.41	117	157016	22.963	ug/l	91
91) 1,2-Dichlorobenzene	13.20	146	305124	22.274	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	23579	20.584	ug/l	91

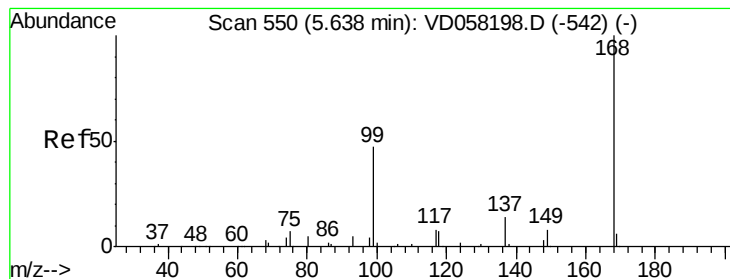
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	284628	21.724	ug/l	97
94) Hexachlorobutadiene	14.44	225	229488	22.394	ug/l	97
95) Naphthalene	14.52	128	364542	21.123	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	236603	20.628	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

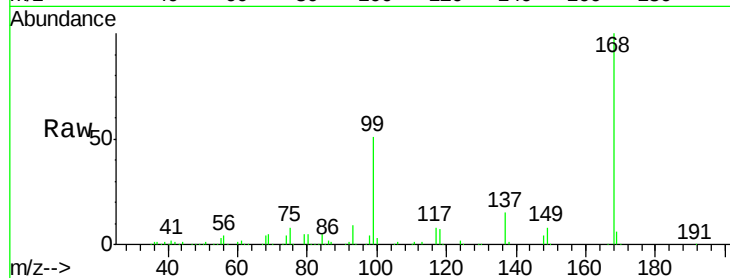
VD0620SBS02

Tot Ion:168 Resp: 965727

Ion Ratio Lower Upper

168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

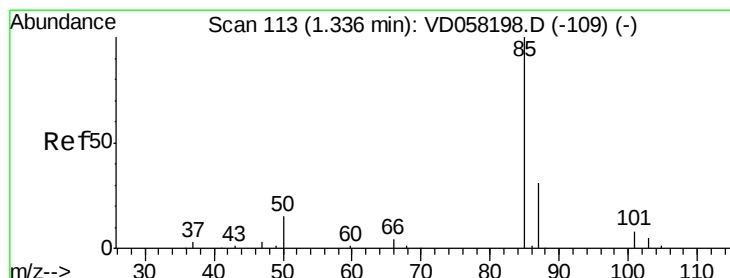
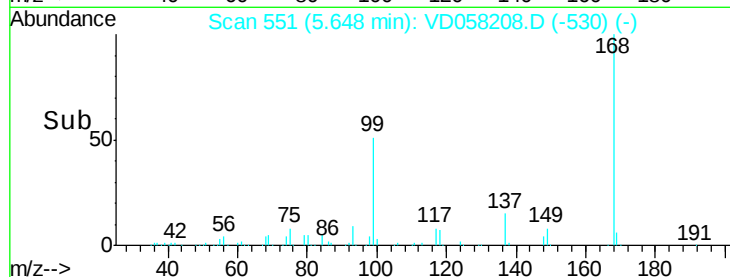
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.154 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058208.D

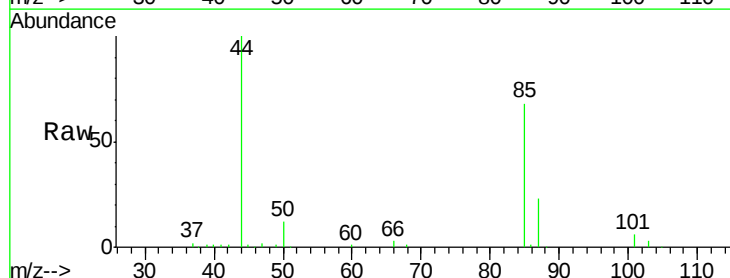
Acq: 20 Jun 2018 14:23

Tgt Ion: 85 Resp: 245827

Ion Ratio Lower Upper

85 100

87 33.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

100000

80000

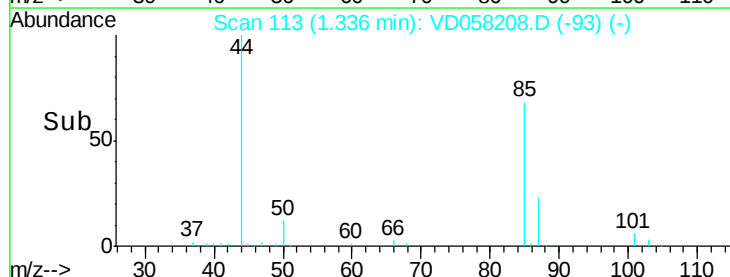
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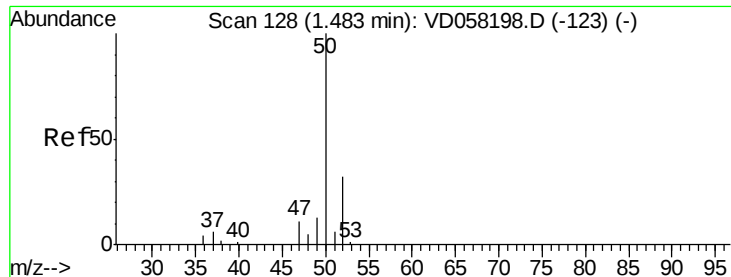
40000

20000

0

Time-->





#3

Chloromethane

Concen: 25.007 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

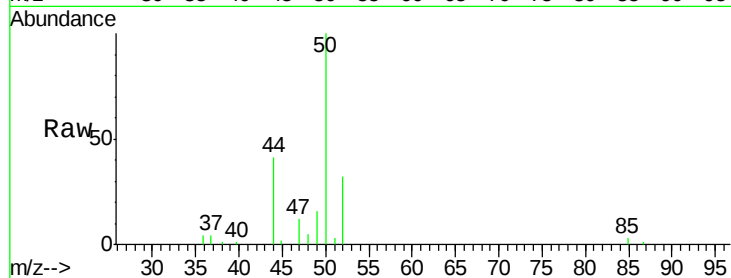
VD0620SBS02

Tot Ion: 50 Resp: 114570

Ion Ratio Lower Upper

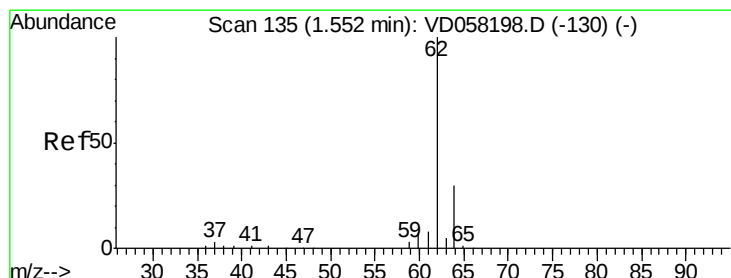
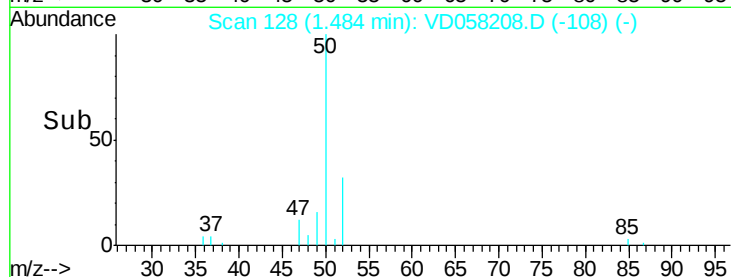
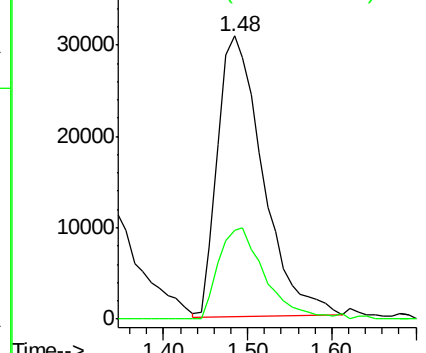
50 100

52 31.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.134 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058208.D

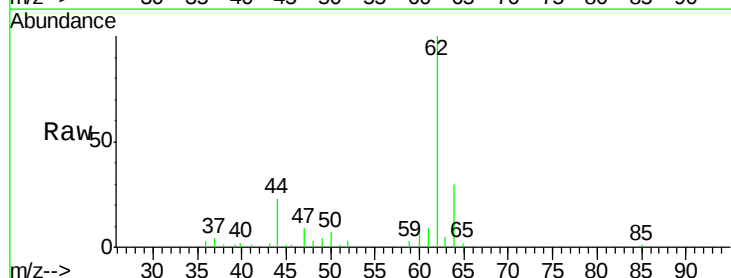
Acq: 20 Jun 2018 14:23

Tgt Ion: 62 Resp: 117035

Ion Ratio Lower Upper

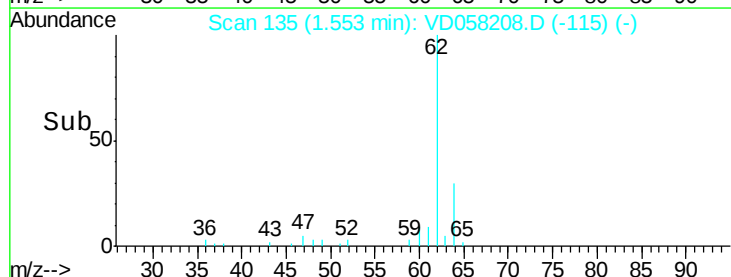
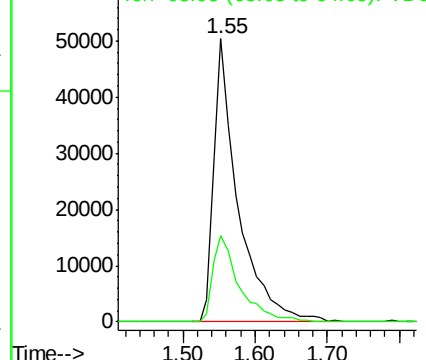
62 100

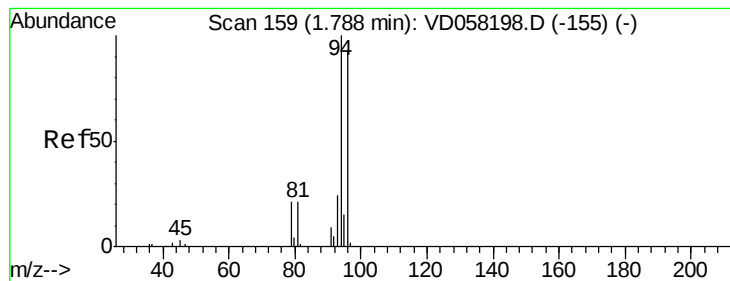
64 30.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.964 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

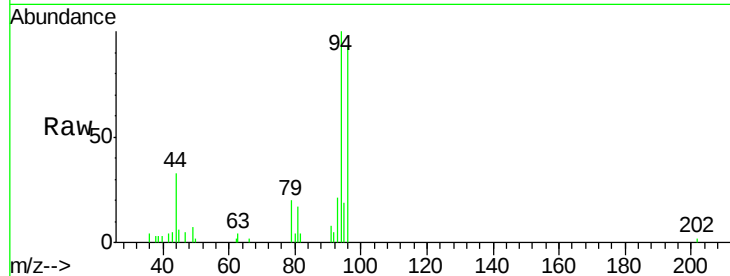
VD0620SBS02

Tot Ion: 94 Resp: 38081

Ion Ratio Lower Upper

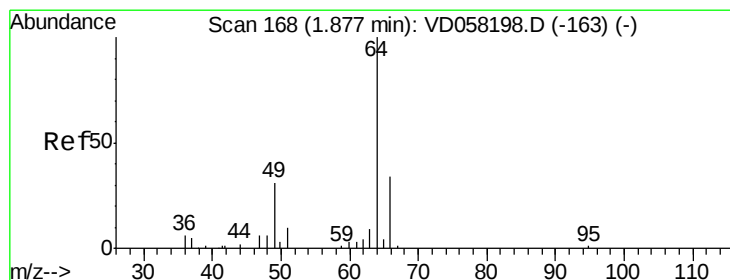
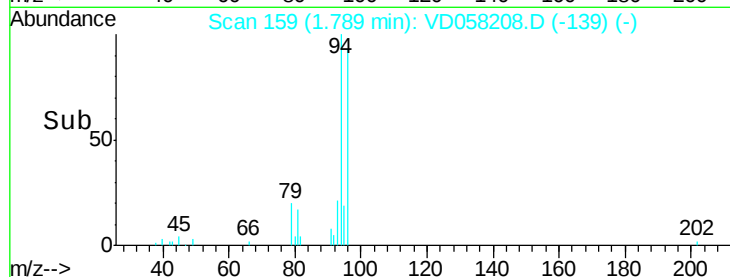
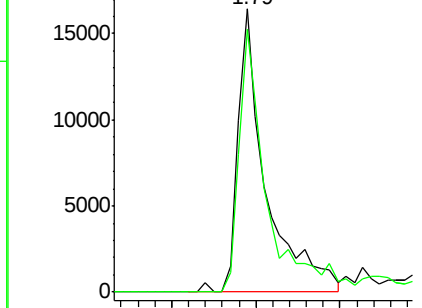
94 100

96 93.1 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.065 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058208.D

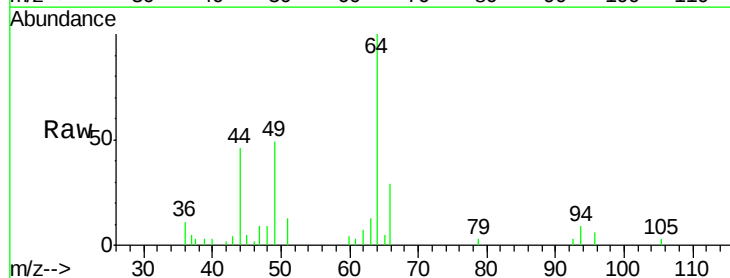
Acq: 20 Jun 2018 14:23

Tgt Ion: 64 Resp: 39608

Ion Ratio Lower Upper

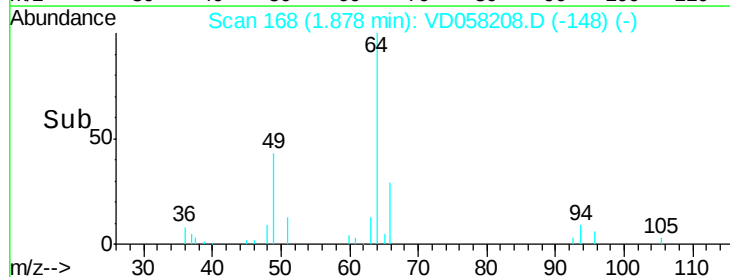
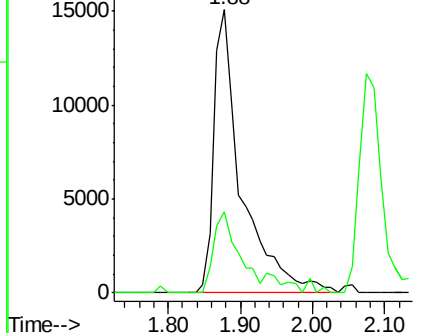
64 100

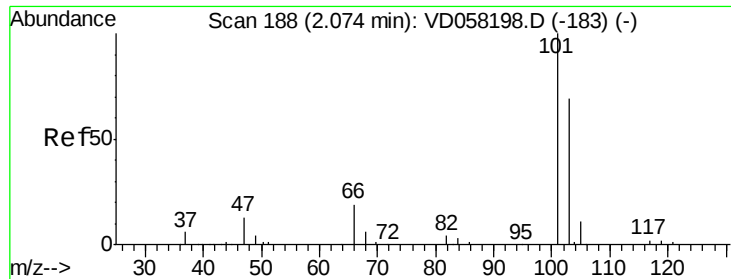
66 28.6 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



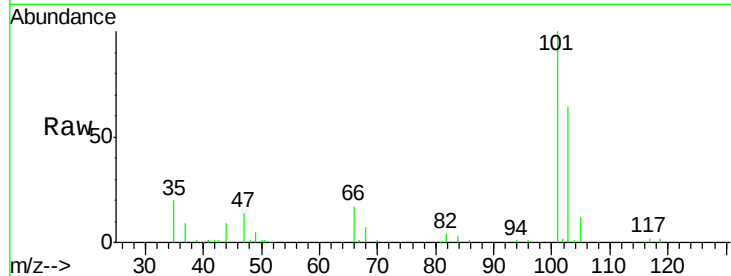


#7

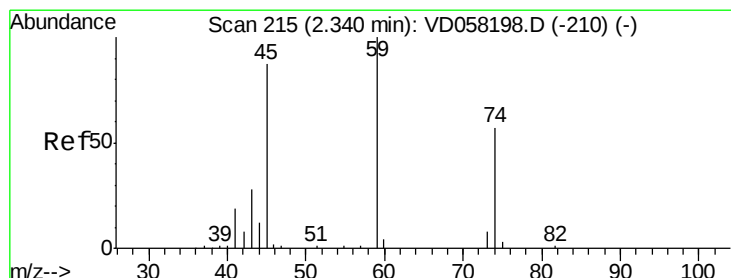
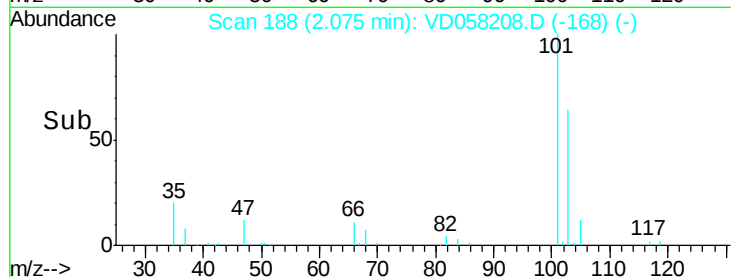
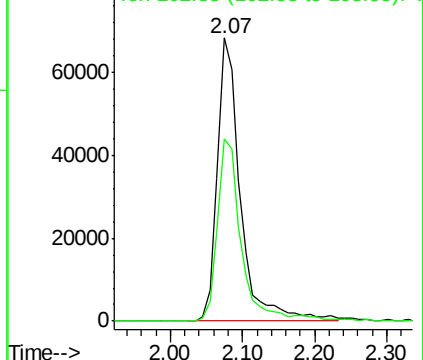
Trichlorofluoromethane
 Concen: 21.744 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
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 VD0620SBS02

Tot Ion:101 Resp: 150827
 Ion Ratio Lower Upper
 101 100
 103 64.4 55.1 82.7



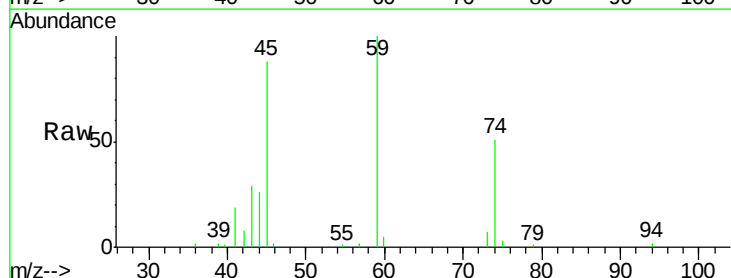
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



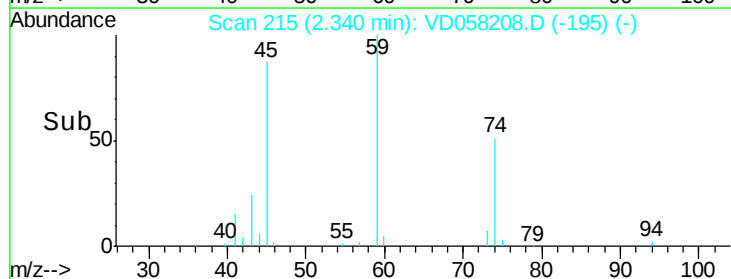
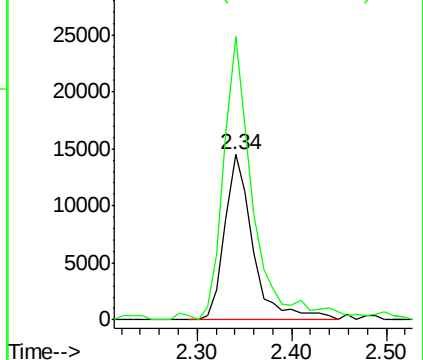
#8

Diethyl Ether
 Concen: 20.513 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 74 Resp: 30096
 Ion Ratio Lower Upper
 74 100
 45 171.0 77.5 232.6



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: 23.005 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

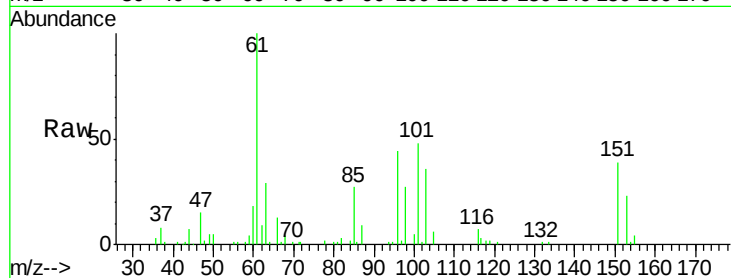
Tot Ion:101 Resp: 101447

Ion Ratio Lower Upper

101 100

85 56.8 39.0 58.4

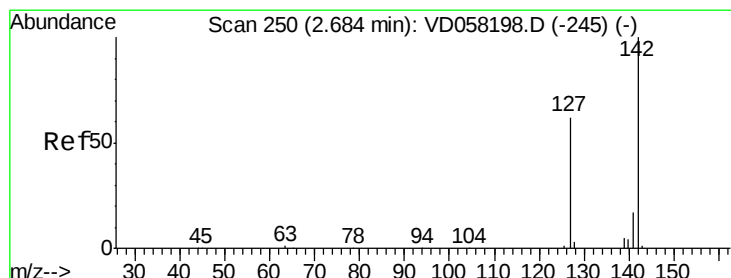
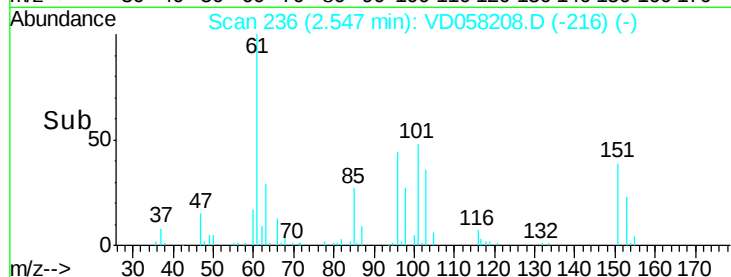
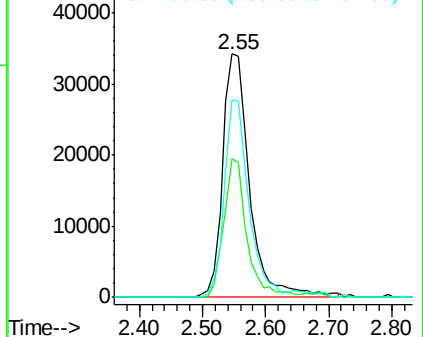
151 81.0 61.8 92.8



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: 23.195 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

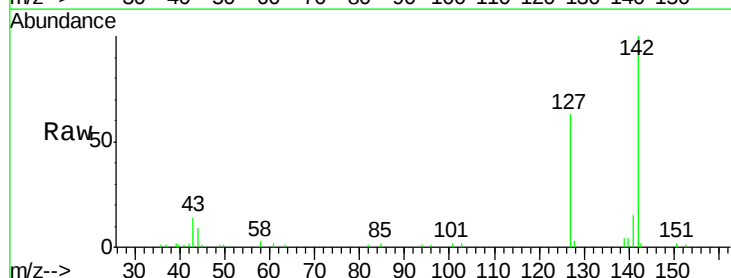
Tgt Ion:142 Resp: 116344

Ion Ratio Lower Upper

142 100

127 63.0 49.4 74.0

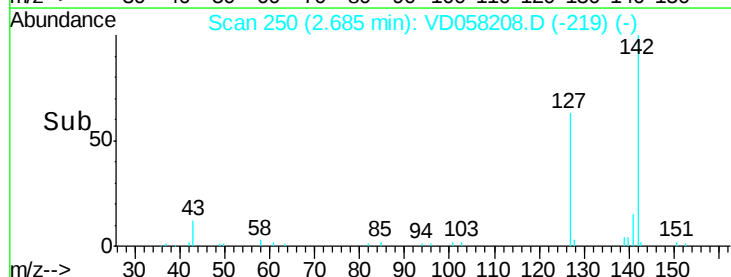
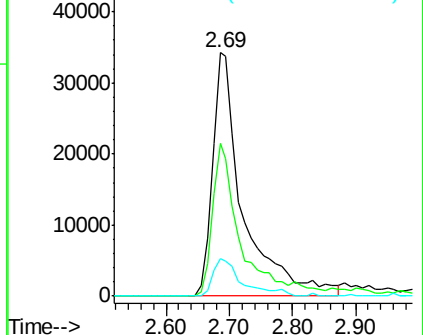
141 15.3 13.5 20.3



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



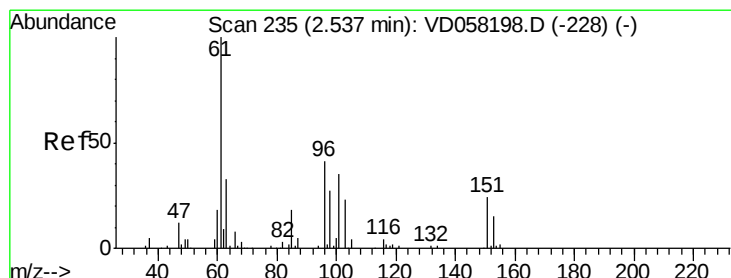
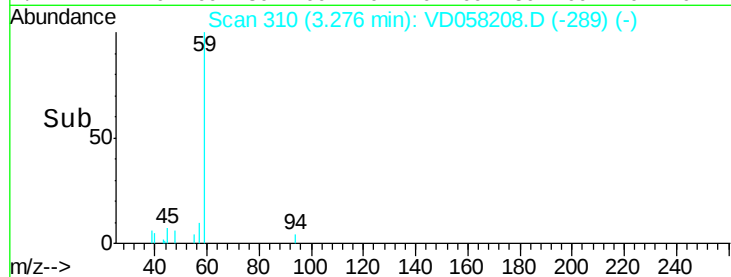
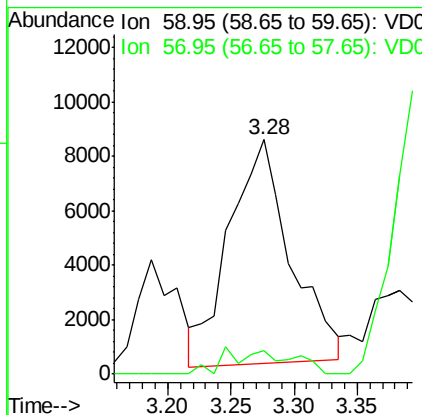
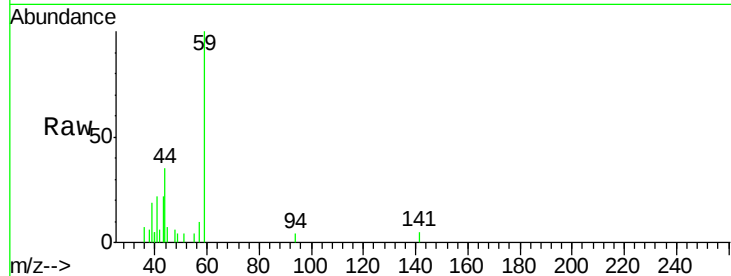


#11

Tert butyl alcohol
 Concen: 86.733 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

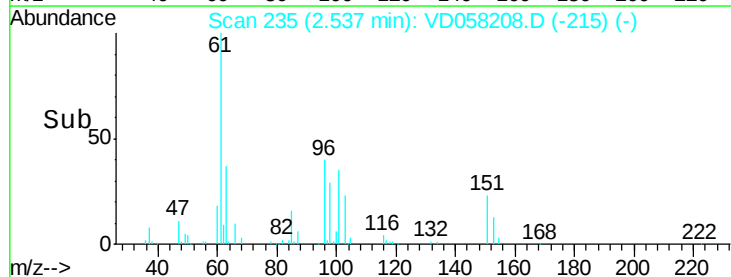
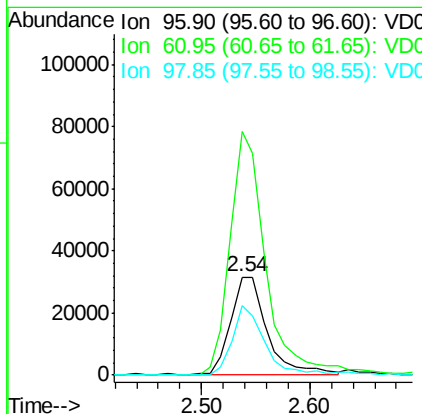
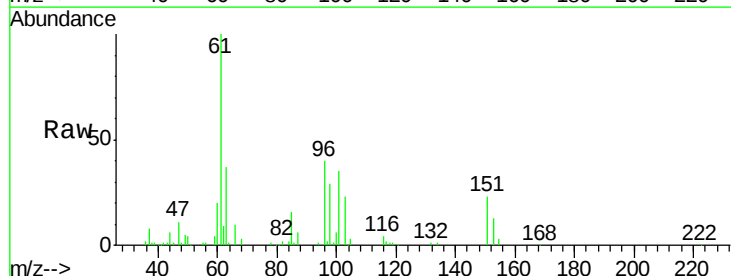
Tot Ion: 59 Resp: 27904
 Ion Ratio Lower Upper
 59 100
 57 10.2 6.2 9.4#

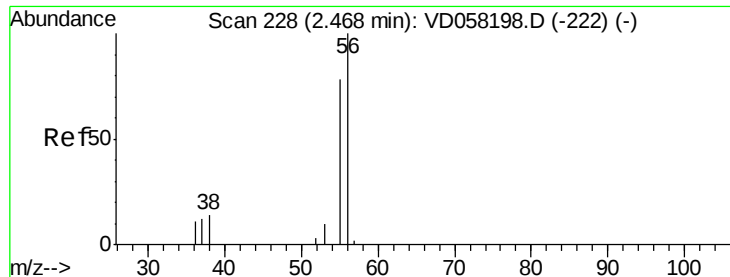


#12

1,1-Dichloroethene
 Concen: 22.649 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 96 Resp: 75146
 Ion Ratio Lower Upper
 96 100
 61 248.2 193.9 290.9
 98 71.3 51.7 77.5





#13

Acrolein

Concen: 131.434 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

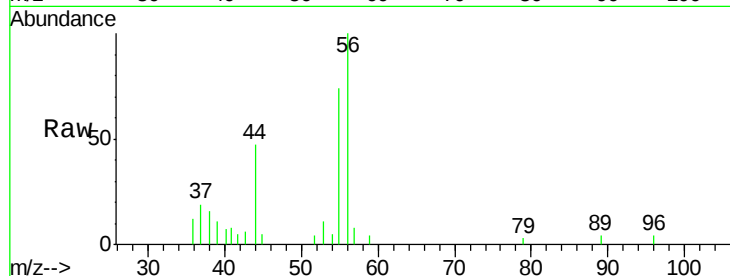
VD0620SBS02

Tot Ion: 56 Resp: 24139

Ion Ratio Lower Upper

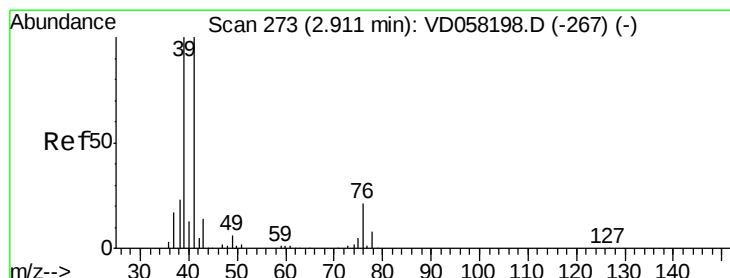
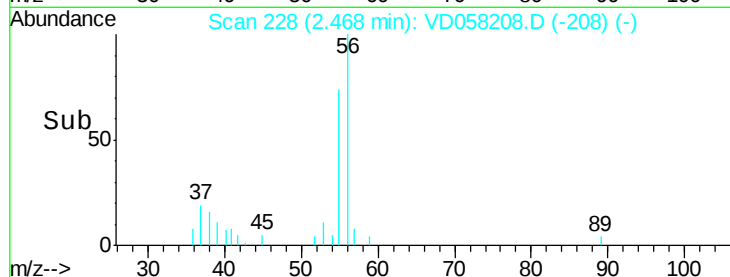
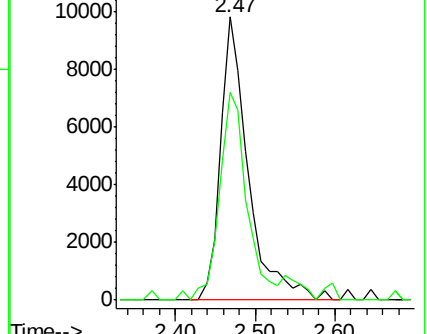
56 100

55 73.6 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.191 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

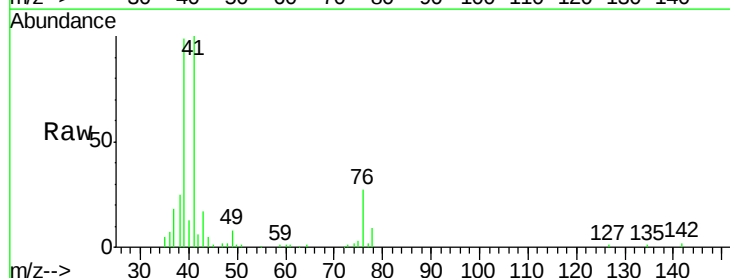
Tgt Ion: 41 Resp: 171363

Ion Ratio Lower Upper

41 100

39 99.1 80.1 120.1

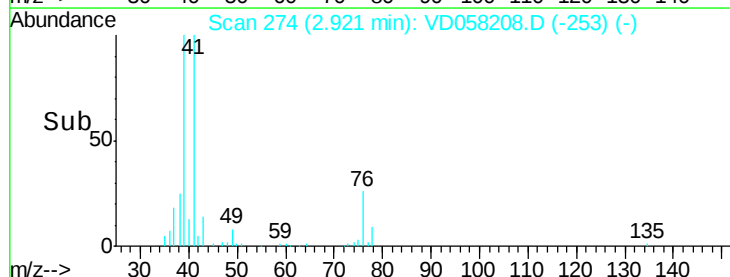
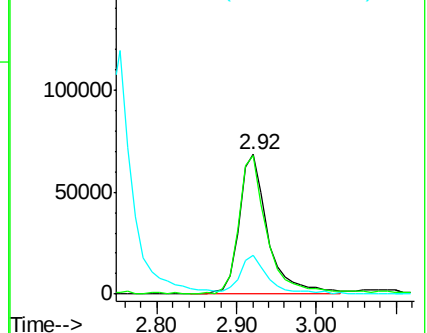
76 27.4 19.4 29.2

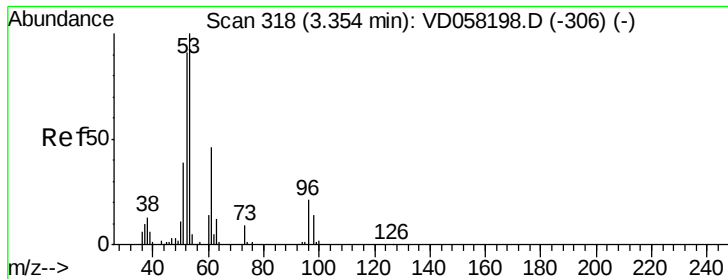


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.283 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

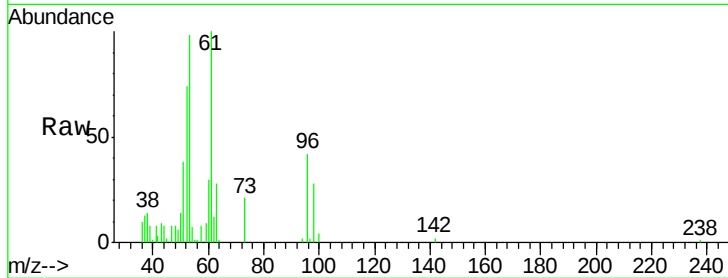
Tot Ion: 53 Resp: 81282

Ion Ratio Lower Upper

53 100

52 75.5 72.6 108.8

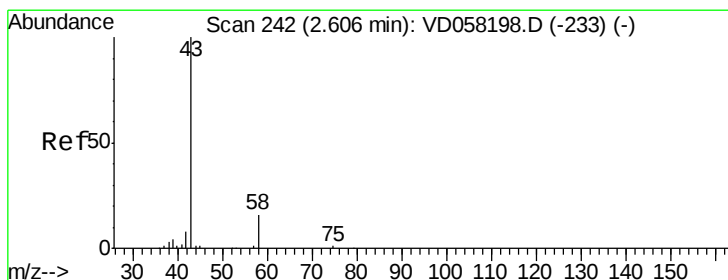
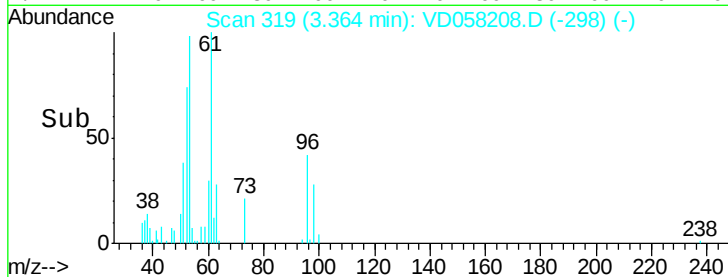
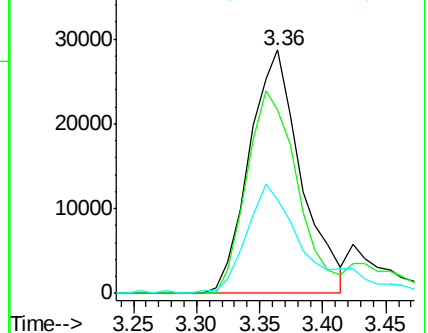
51 38.6 32.2 48.4



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: 108.231 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058208.D

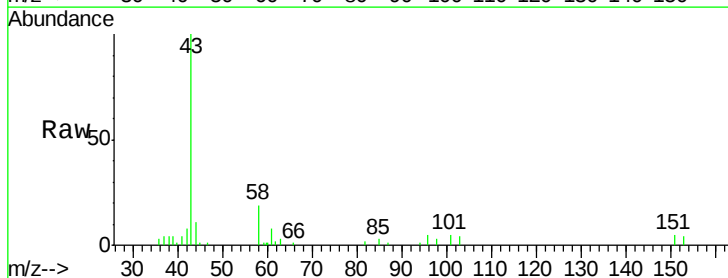
Acq: 20 Jun 2018 14:23

Tgt Ion: 43 Resp: 144382

Ion Ratio Lower Upper

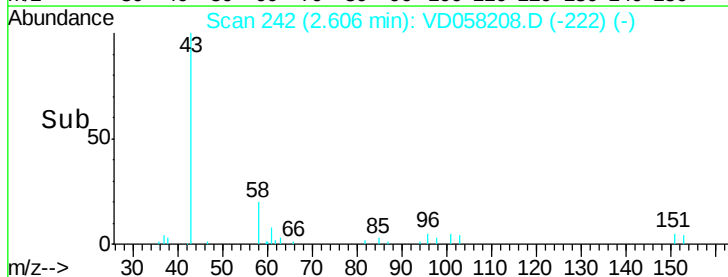
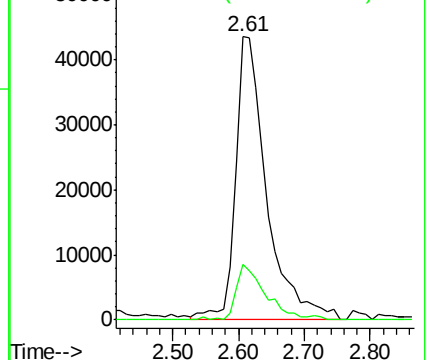
43 100

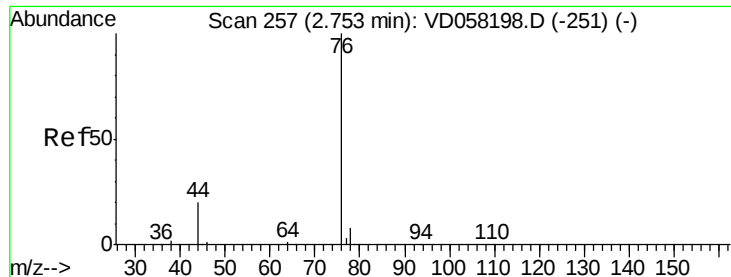
58 19.5 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 22.911 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

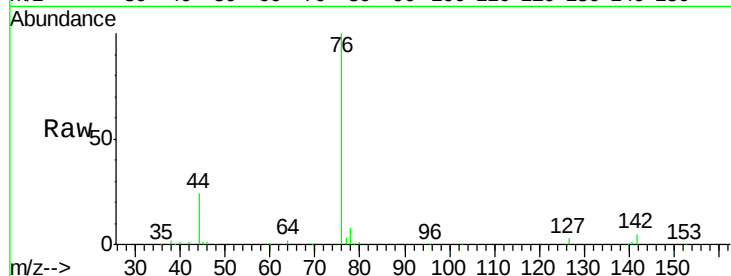
VD0620SBS02

Tot Ion: 76 Resp: 258617

Ion Ratio Lower Upper

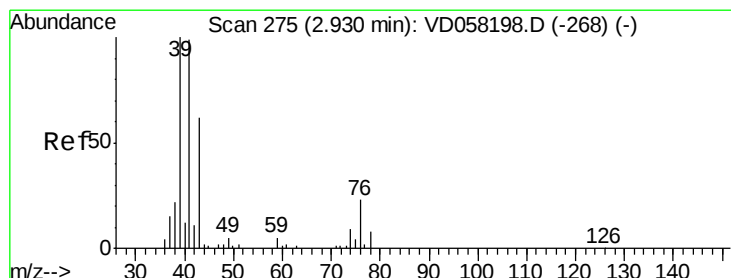
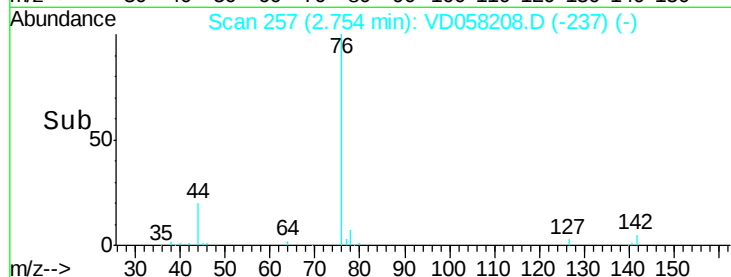
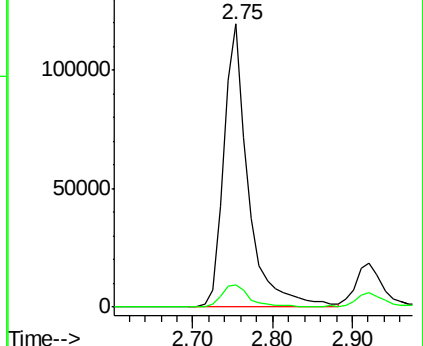
76 100

78 8.0 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.240 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058208.D

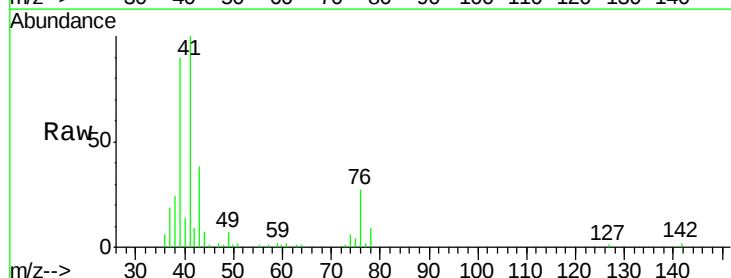
Acq: 20 Jun 2018 14:23

Tgt Ion: 43 Resp: 51892

Ion Ratio Lower Upper

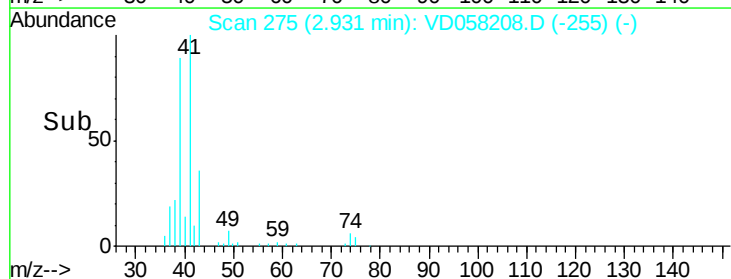
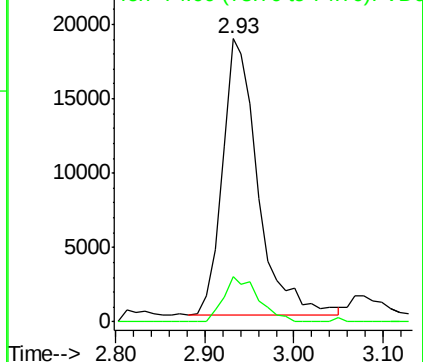
43 100

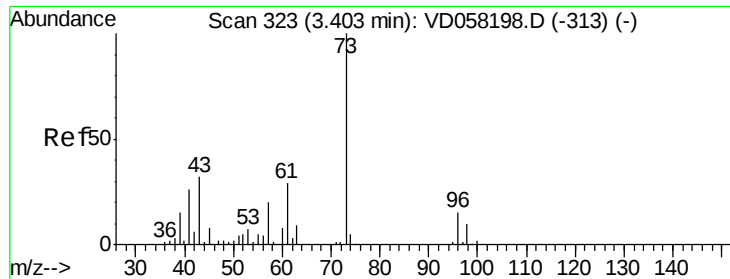
74 16.1 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

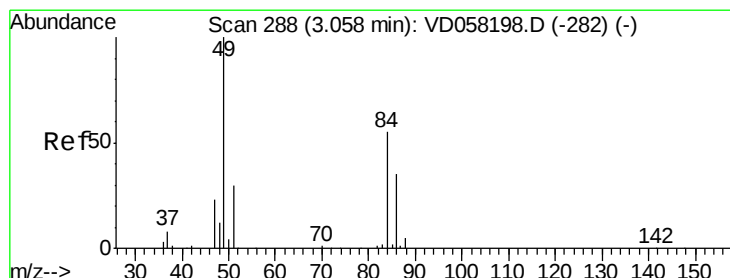
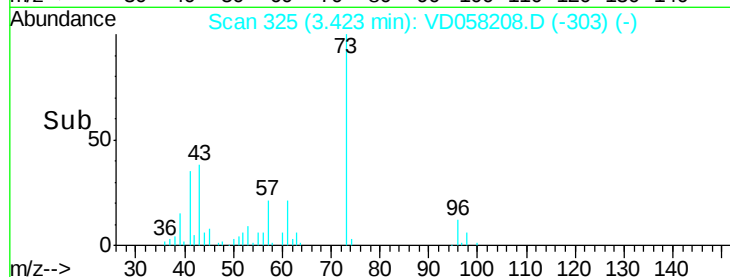
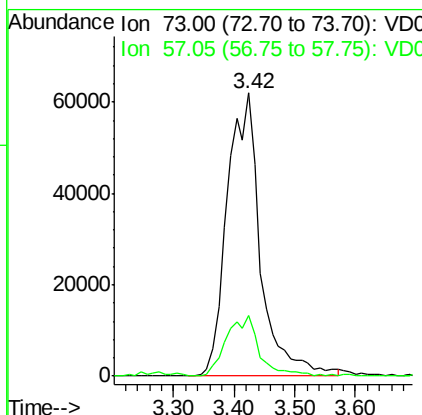
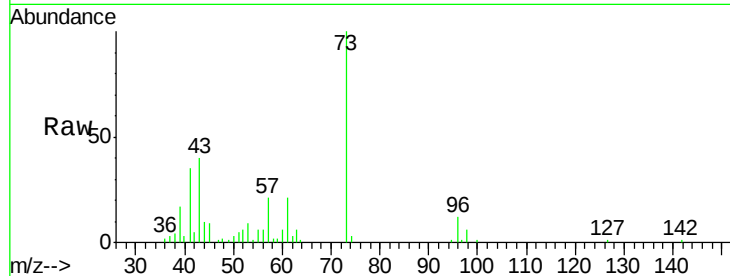




#19
Methvl tert-butvl Ether
Concen: 26.854 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

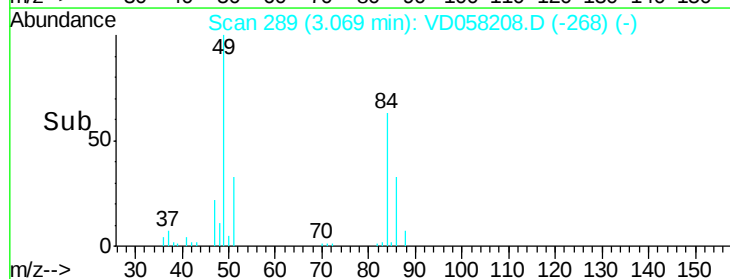
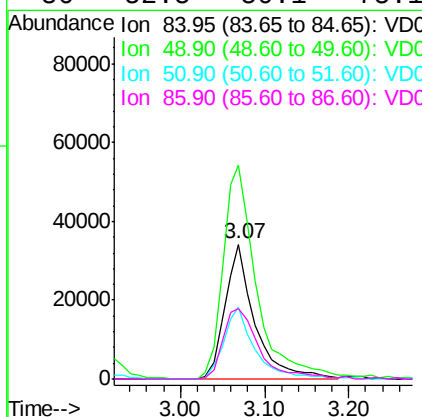
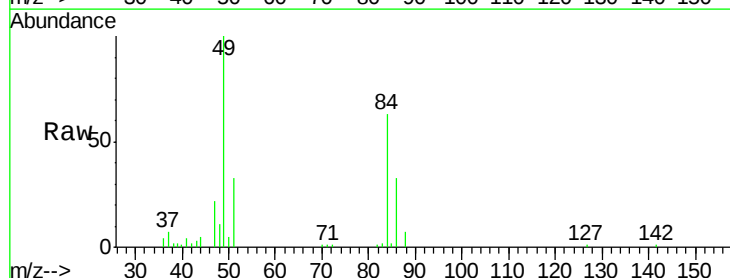
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

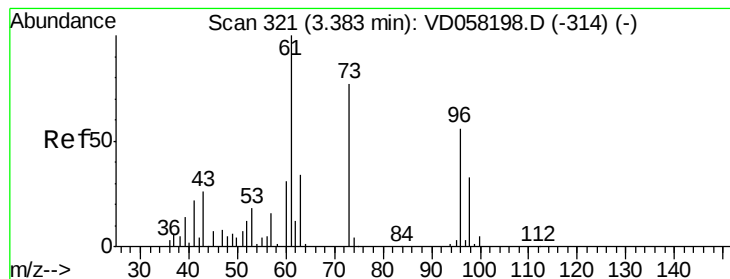
Tot Ion: 73 Resp: 236315
Ion Ratio Lower Upper
73 100
57 21.5 16.6 24.8



#20
Methylene Chloride
Concen: 21.273 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 84 Resp: 83620
Ion Ratio Lower Upper
84 100
49 158.5 145.0 217.6
51 53.0 42.9 64.3
86 52.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 25.262 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

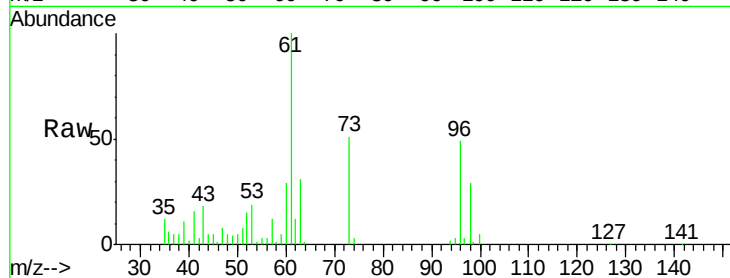
Tot Ion: 96 Resp: 91600

Ion Ratio Lower Upper

96 100

61 205.5 143.8 215.6

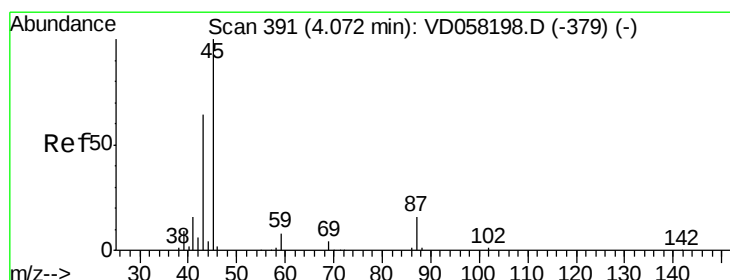
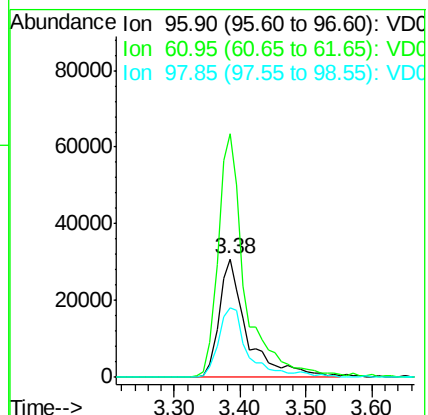
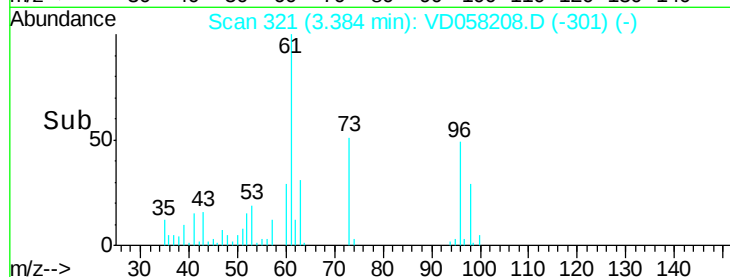
98 59.1 48.0 72.0



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



#22

Diisopropyl ether

Concen: 21.028 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Tgt Ion: 45 Resp: 644928

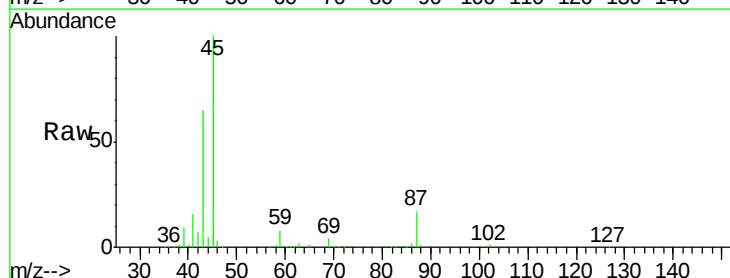
Ion Ratio Lower Upper

45 100

43 65.3 51.4 77.0

87 16.7 13.0 19.4

59 8.1 6.9 10.3

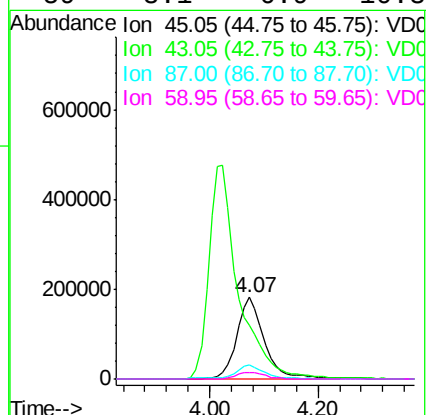
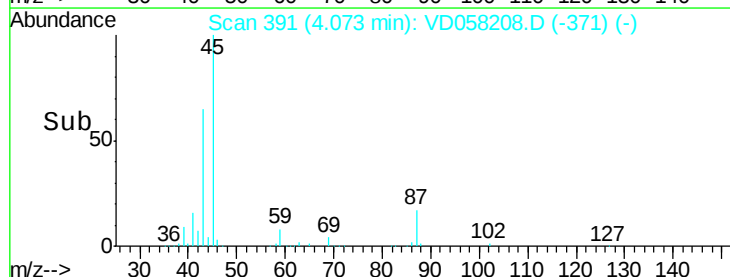


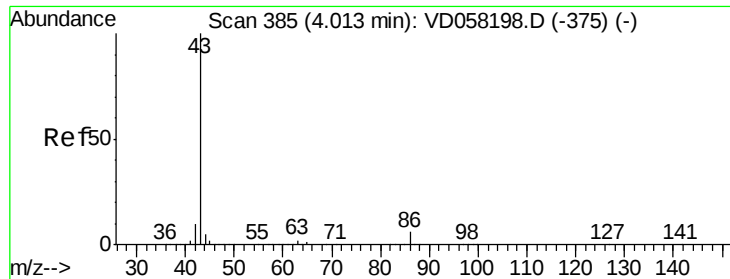
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 109.112 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleID :

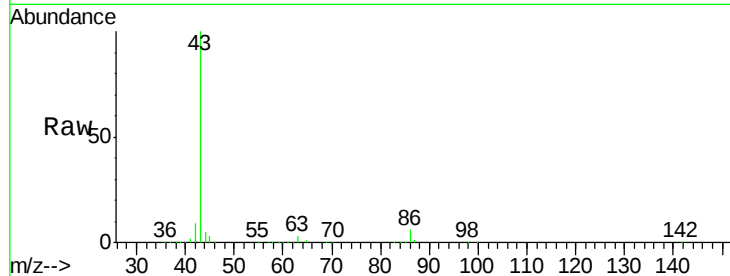
VD0620SBS02

Tot Ion: 43 Resp: 1793888

Ion Ratio Lower Upper

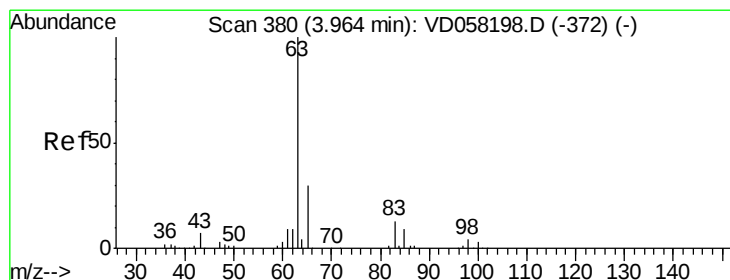
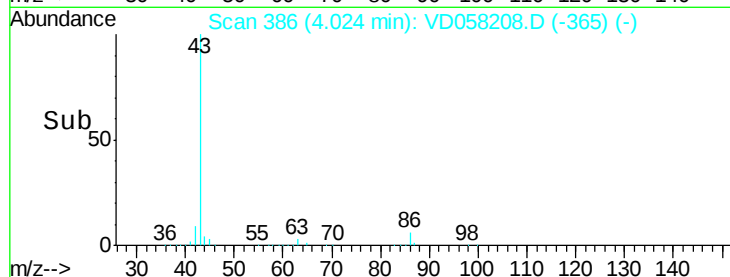
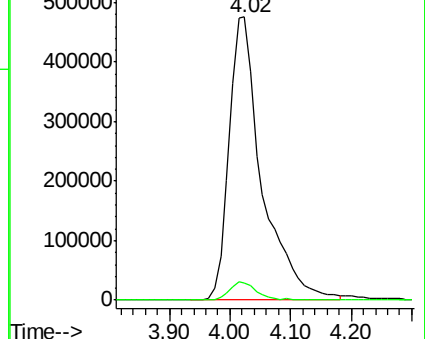
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.022 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

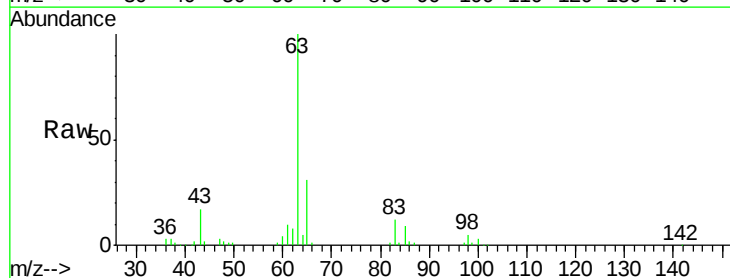
Tgt Ion: 63 Resp: 380397

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

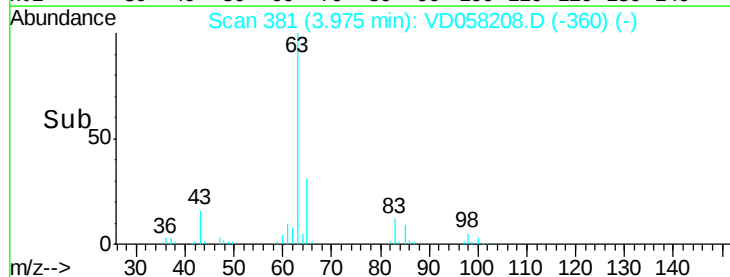
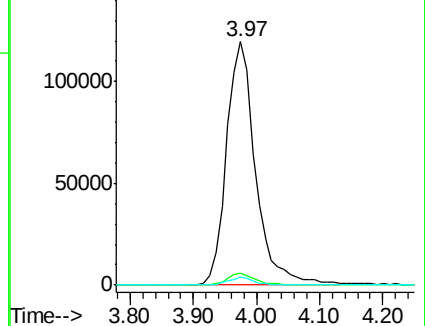
100 3.4 1.3 3.9

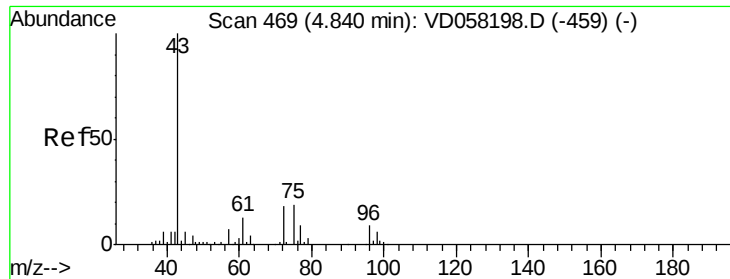


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.101 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

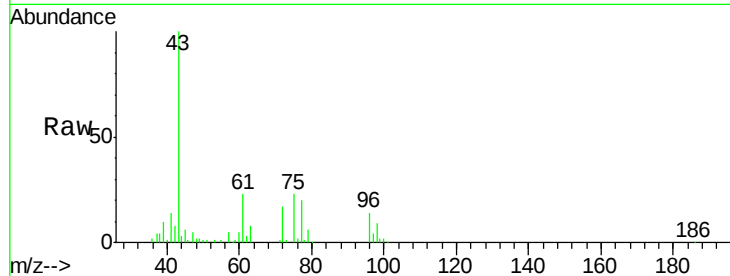
VD0620SBS02

Tot Ion: 43 Resp: 293954

Ion Ratio Lower Upper

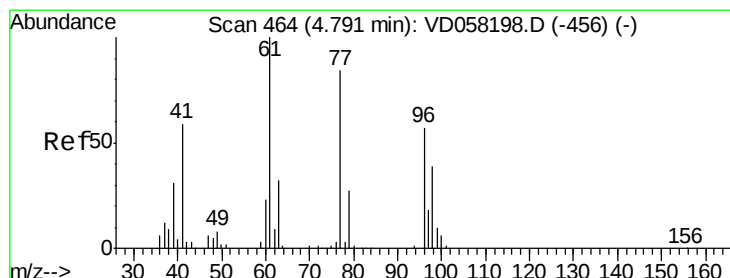
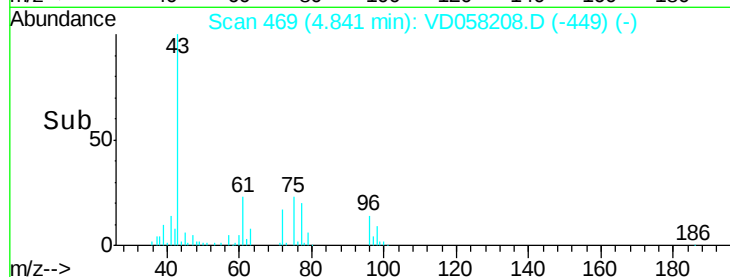
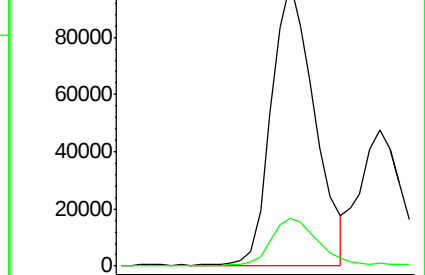
43 100

72 17.0 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 23.358 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058208.D

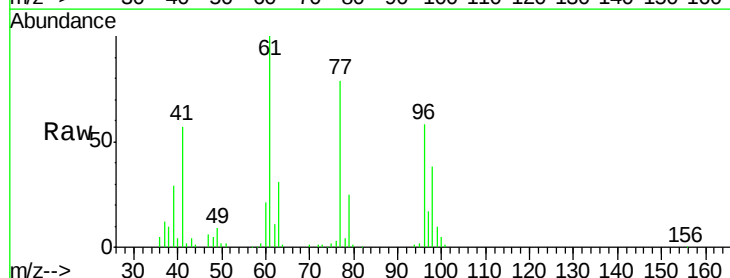
Acq: 20 Jun 2018 14:23

Tgt Ion: 77 Resp: 323159

Ion Ratio Lower Upper

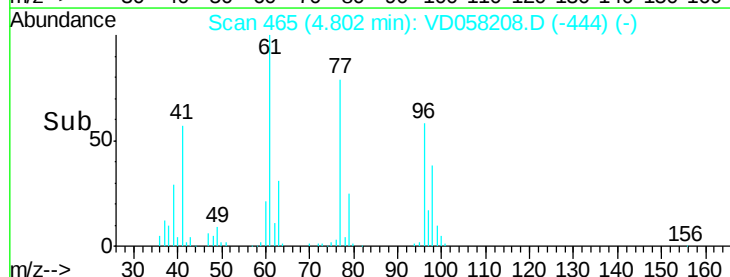
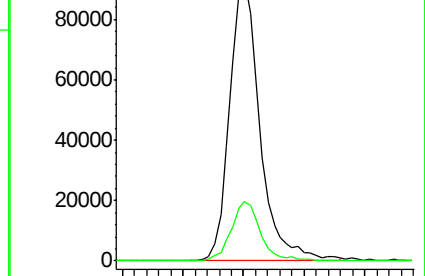
77 100

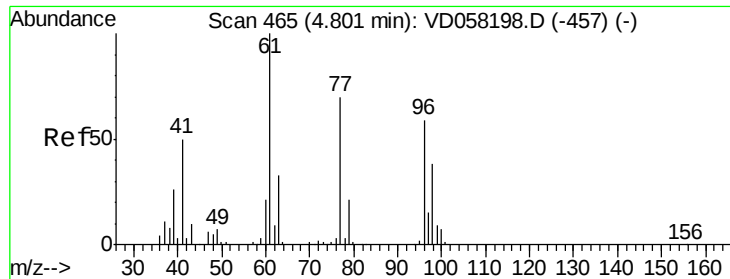
97 21.1 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



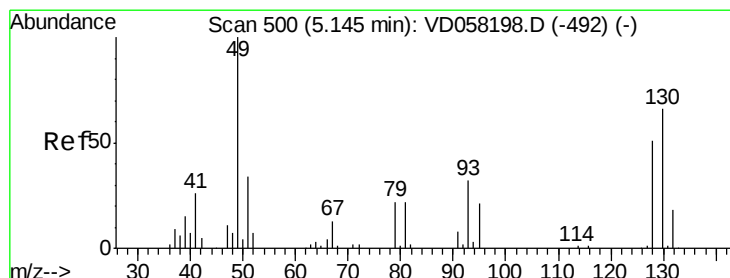
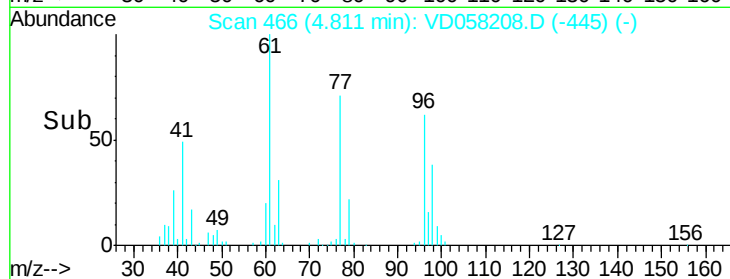
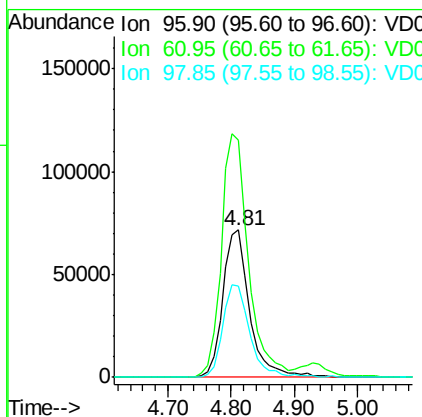
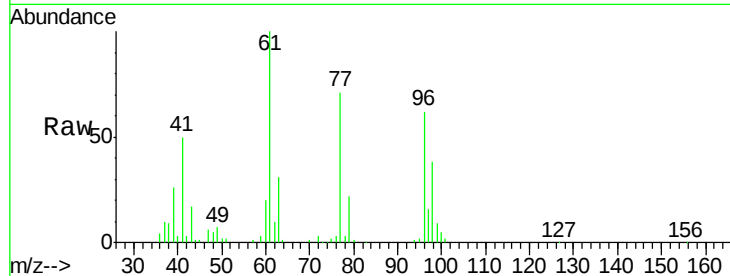


#27

cis-1,2-Dichloroethene
Concen: 23.262 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

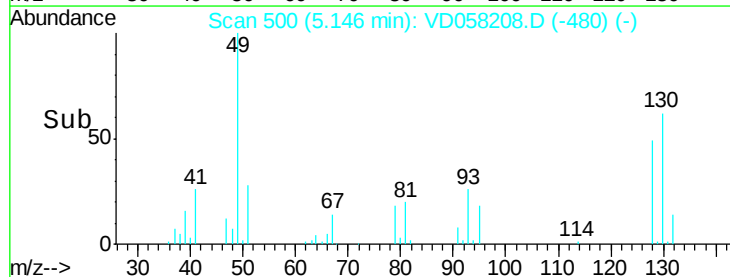
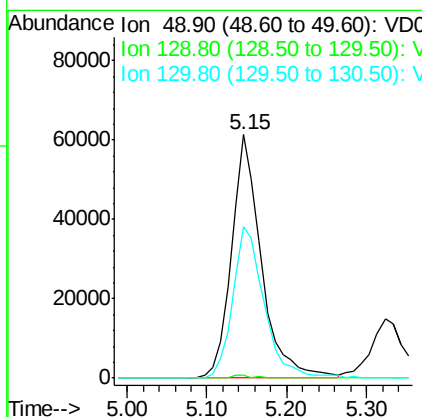
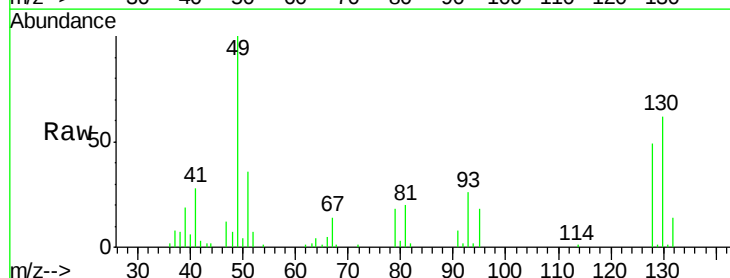
Tot Ion: 96 Resp: 210779
Ion Ratio Lower Upper
96 100
61 161.2 0.0 338.6
98 62.0 0.0 130.2



#28

Bromochloromethane
Concen: 21.553 ug/l
RT: 5.15 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 49 Resp: 159640
Ion Ratio Lower Upper
49 100
129 1.4 0.0 0.0#
130 62.0 52.6 79.0

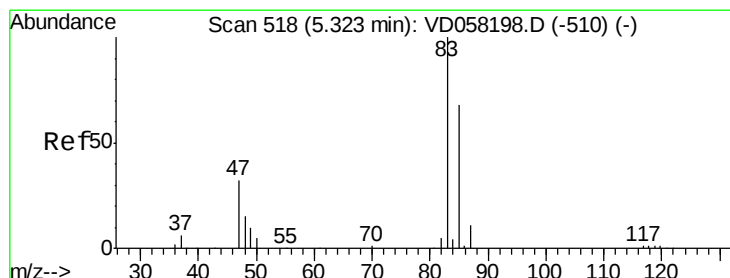
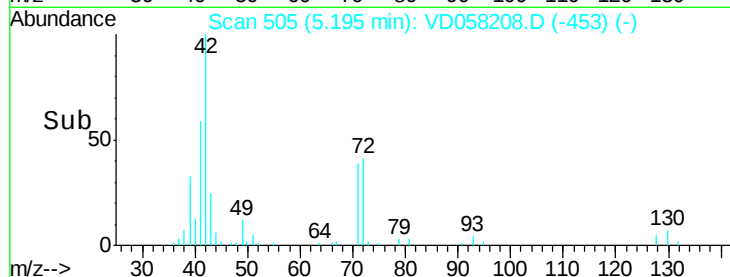
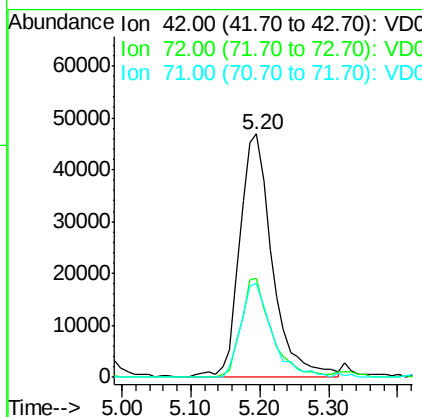
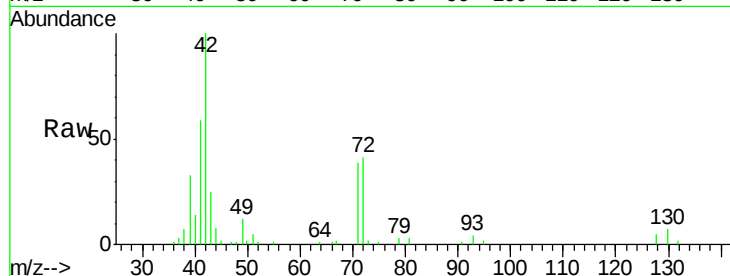




#29
Tetrahydrofuran
Concen: 99.963 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

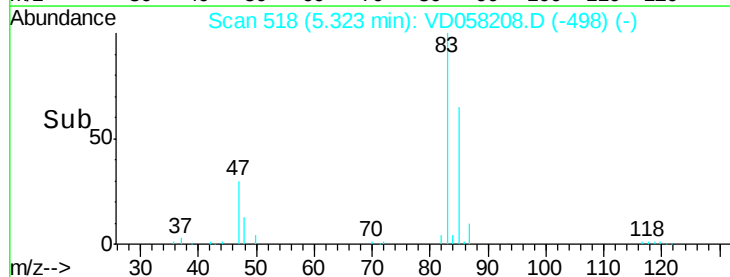
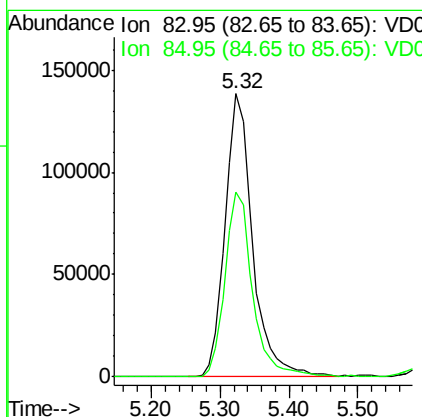
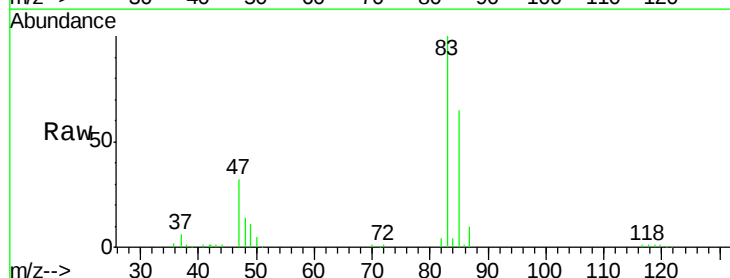
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

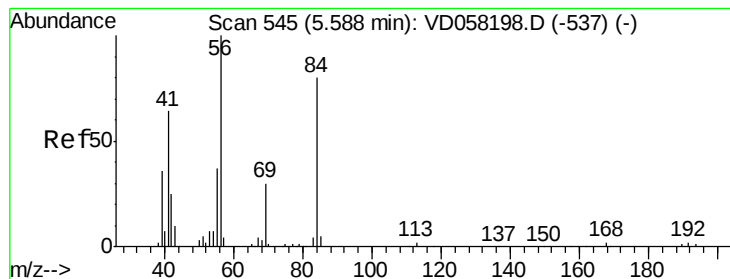
Tot Ion: 42 Resp: 154703
Ion Ratio Lower Upper
42 100
72 37.8 30.2 45.2
71 37.0 30.1 45.1



#30
Chloroform
Concen: 21.958 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 83 Resp: 383022
Ion Ratio Lower Upper
83 100
85 65.2 54.8 82.2





#31

Cyclohexane

Concen: 23.496 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

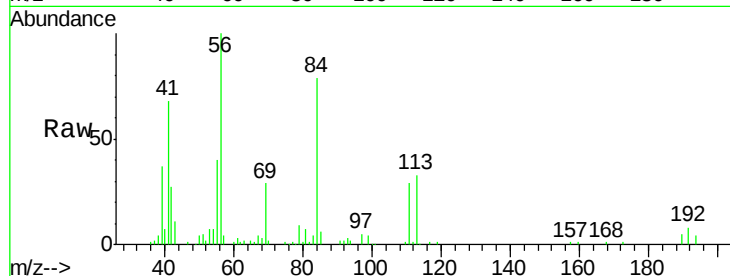
Tot Ion: 56 Resp: 315108

Ion Ratio Lower Upper

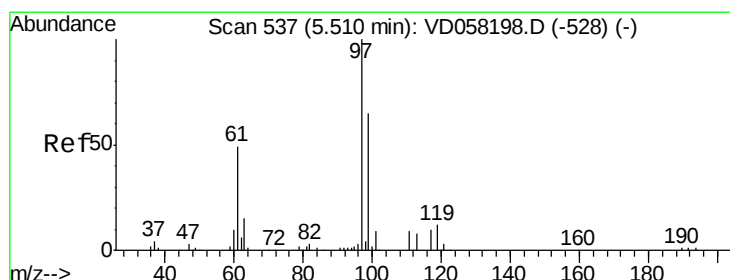
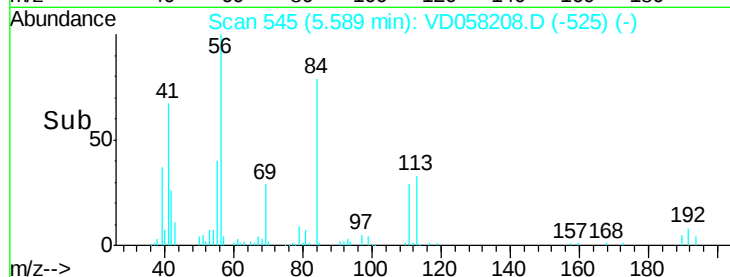
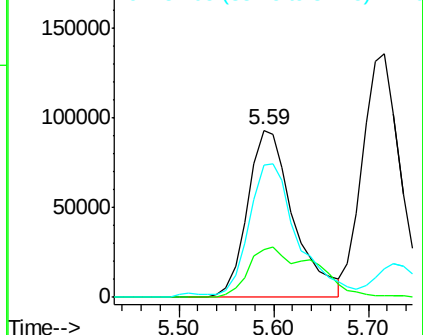
56 100

69 28.9 23.6 35.4

84 79.3 65.2 97.8



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: 22.544 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

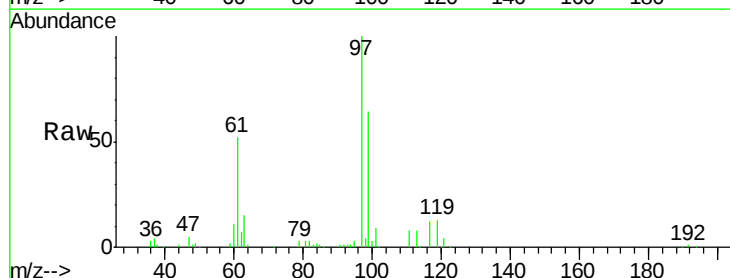
Tgt Ion: 97 Resp: 324917

Ion Ratio Lower Upper

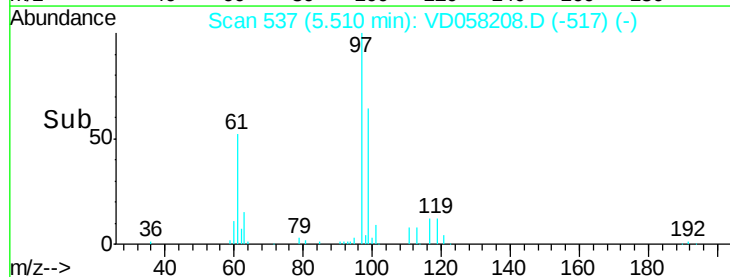
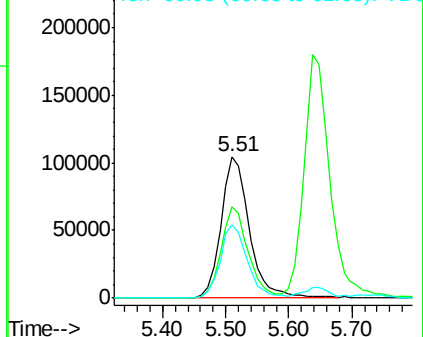
97 100

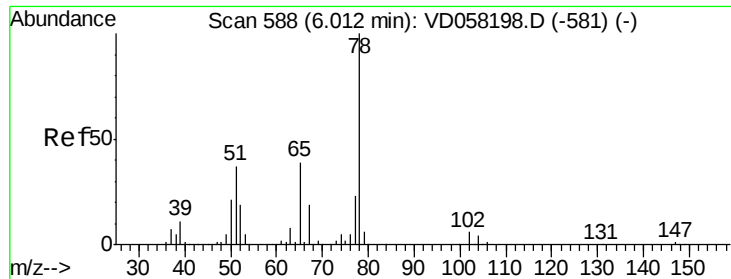
99 64.4 52.2 78.4

61 51.5 39.0 58.4



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

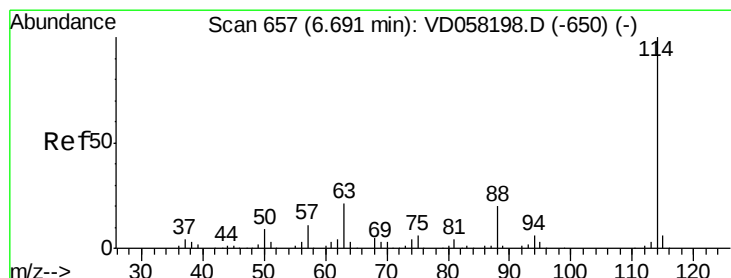
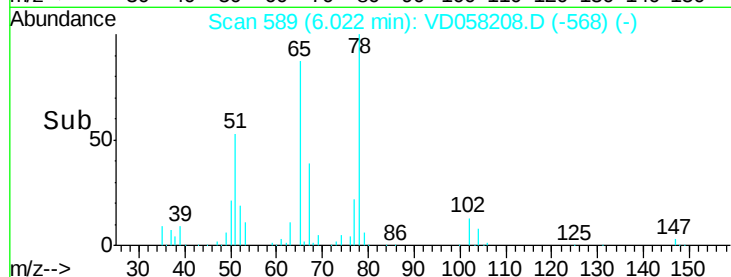
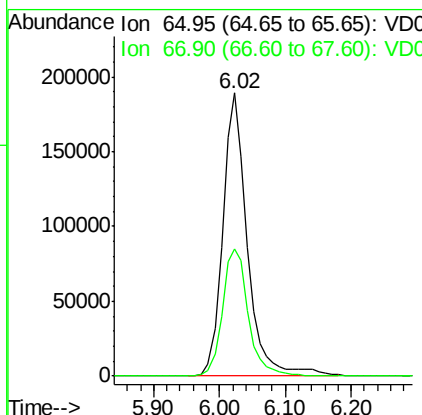
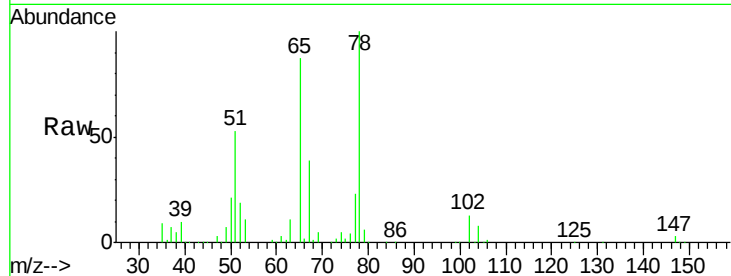




#33
 1,2-Dichloroethane-d4
 Concen: 22.544 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

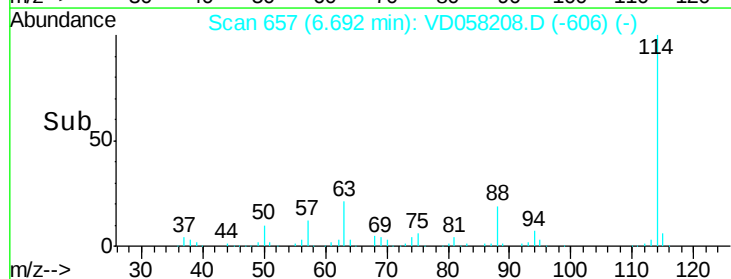
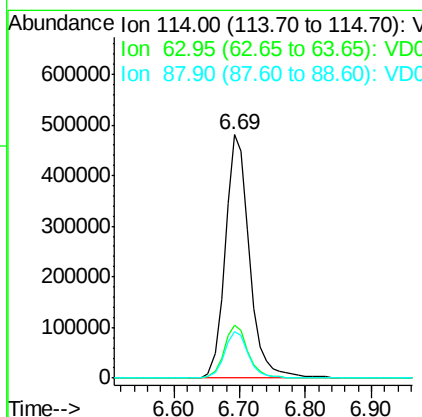
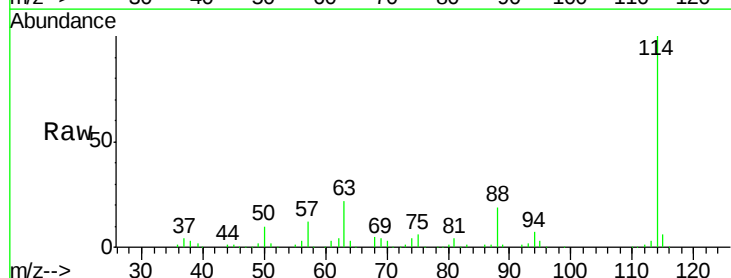
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

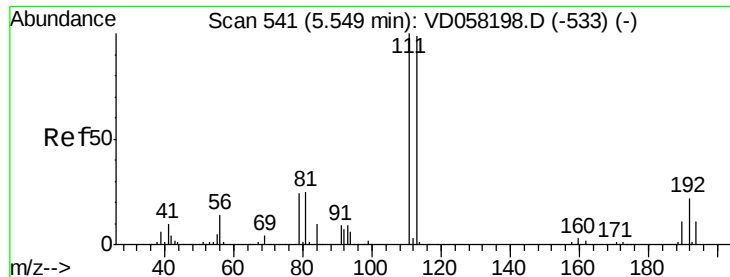
Tot Ion: 65 Resp: 492132
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 114 Resp: 1229323
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.6
 88 19.2 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

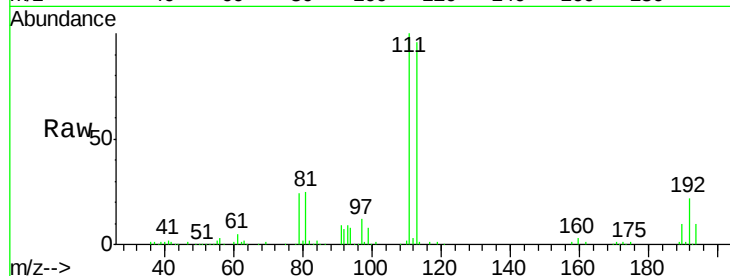
Tot Ion:113 Resp: 507123

Ion Ratio Lower Upper

113 100

111 103.7 80.6 121.0

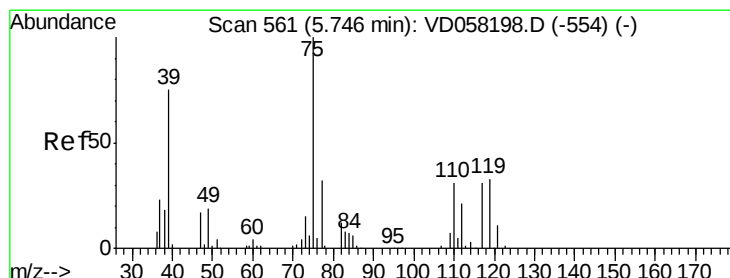
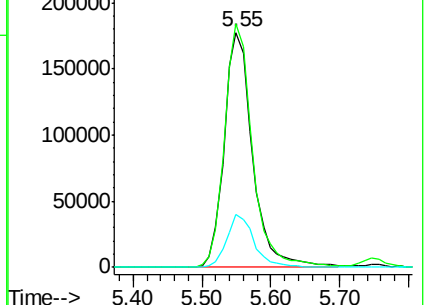
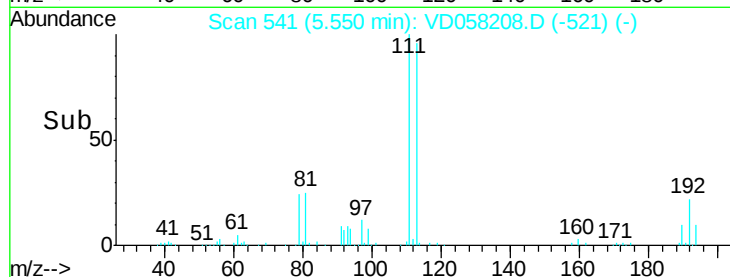
192 22.3 17.8 26.6



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: 23.227 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

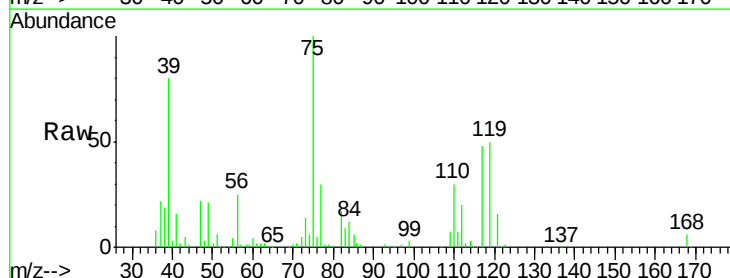
Tgt Ion: 75 Resp: 282470

Ion Ratio Lower Upper

75 100

110 29.9 15.4 46.4

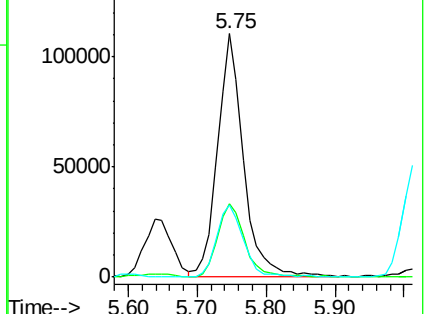
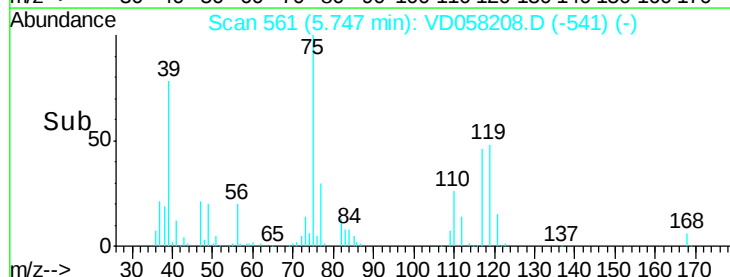
77 29.5 25.4 38.2

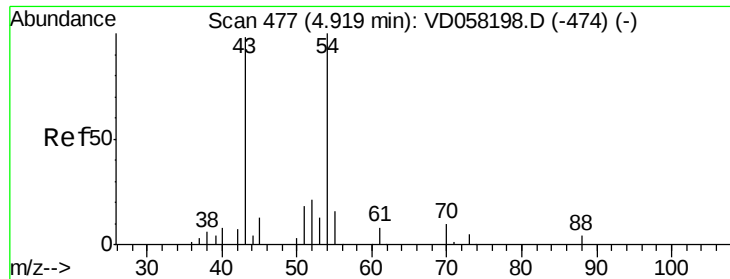


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.224 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

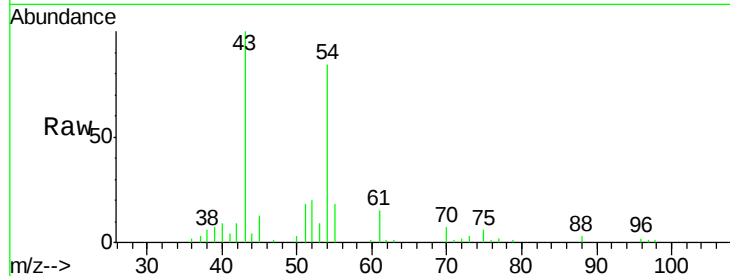
Tot Ion: 43 Resp: 147064

Ion Ratio Lower Upper

43 100

61 15.2 10.3 15.5

70 7.3 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

150000

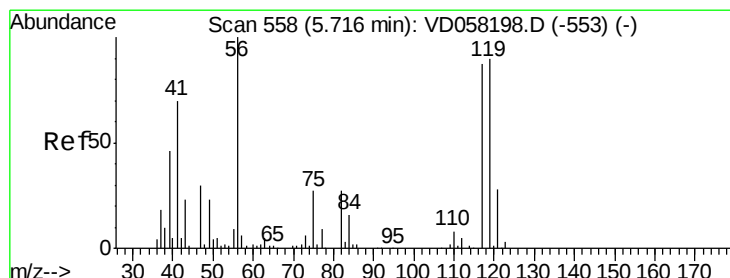
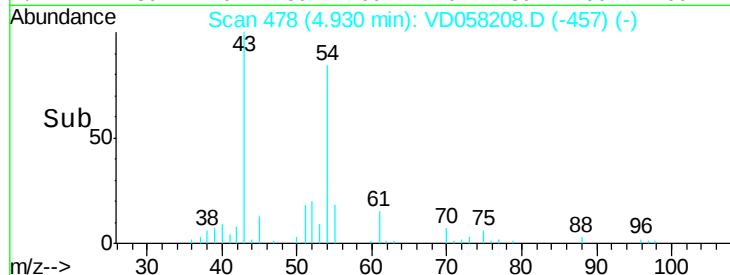
100000

50000

0

4.80 4.90 5.00 5.10

Time-->



#38

Carbon Tetrachloride

Concen: 23.560 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

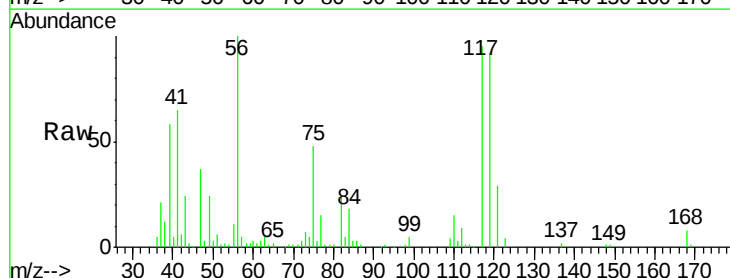
Tgt Ion: 117 Resp: 284683

Ion Ratio Lower Upper

117 100

119 97.0 78.8 118.2

121 31.1 25.0 37.6



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

120000

100000

80000

60000

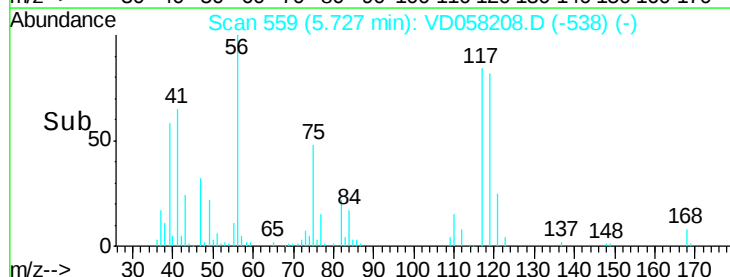
40000

20000

0

5.60 5.70 5.80 5.90

Time-->





#39

Methvlcvclohexane

Concen: 23.622 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

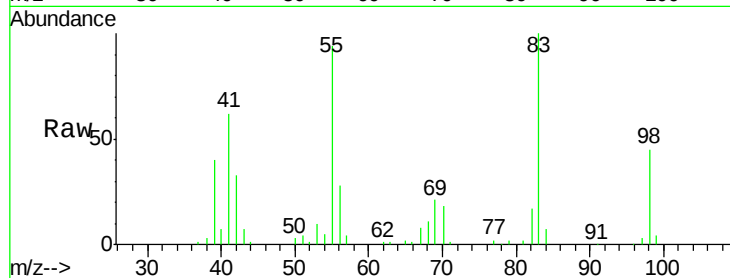
Tot Ion: 83 Resp: 279810

Ion Ratio Lower Upper

83 100

55 93.9 77.4 116.2

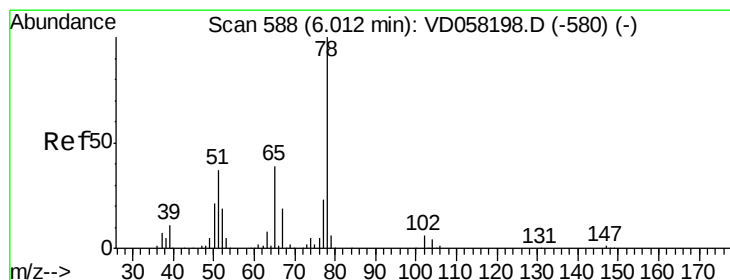
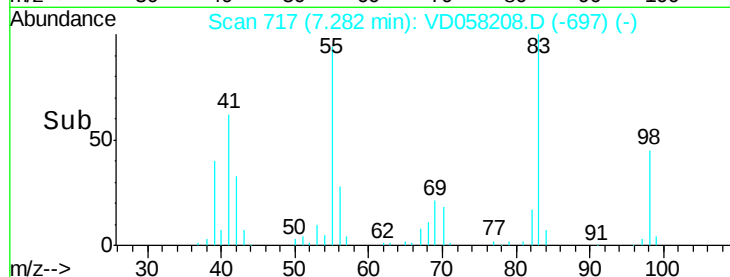
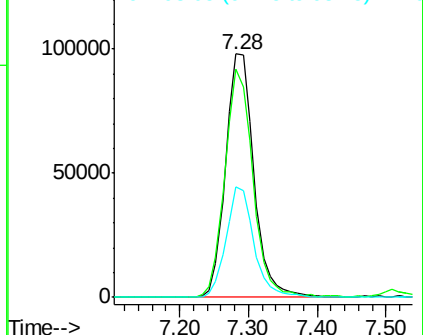
98 45.4 35.9 53.9



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: 21.856 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058208.D

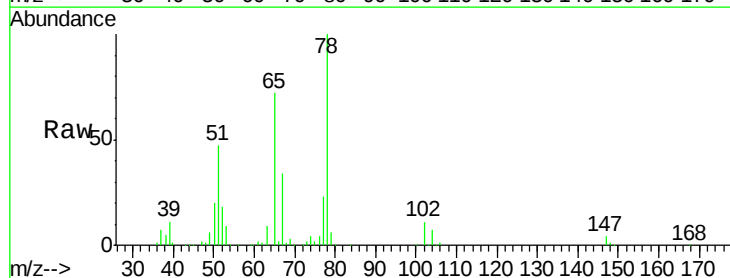
Acq: 20 Jun 2018 14:23

Tgt Ion: 78 Resp: 633156

Ion Ratio Lower Upper

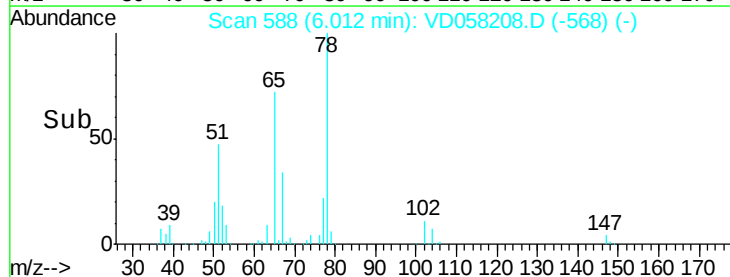
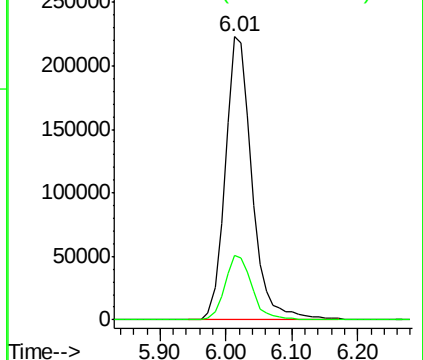
78 100

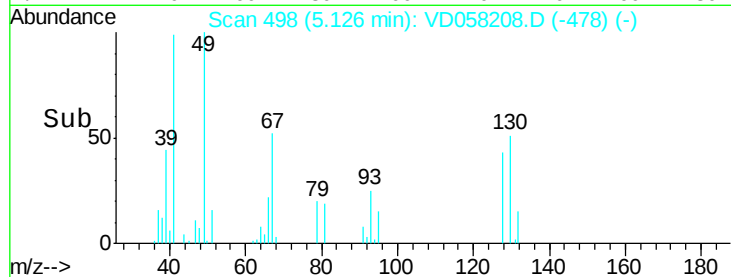
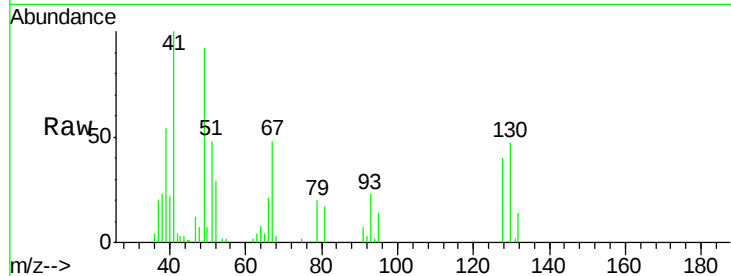
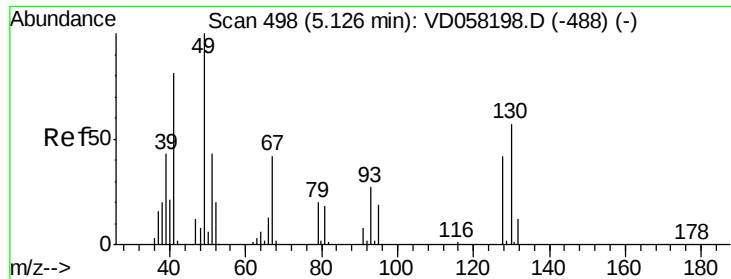
77 22.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

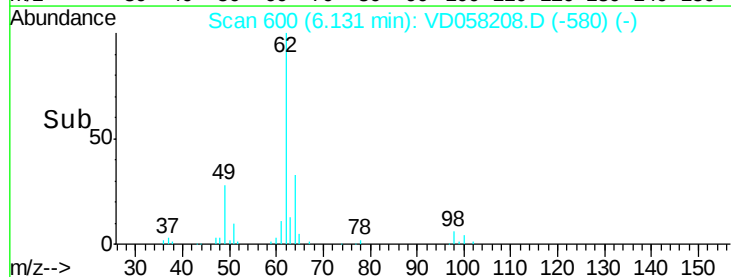
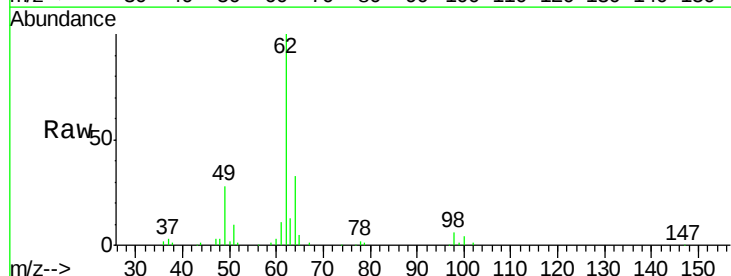
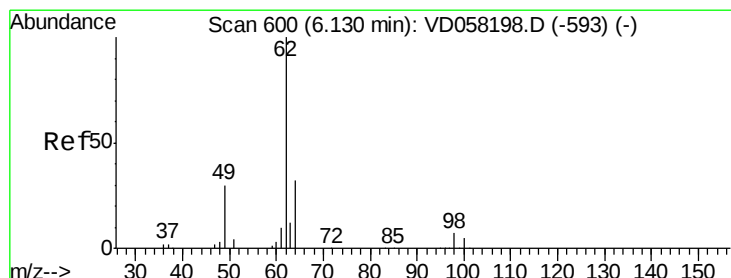
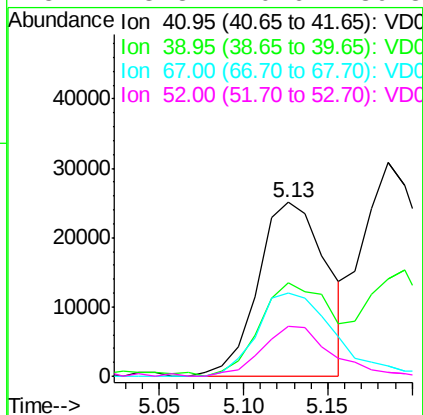




#41
Methacrylonitrile
Concen: 21.190 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

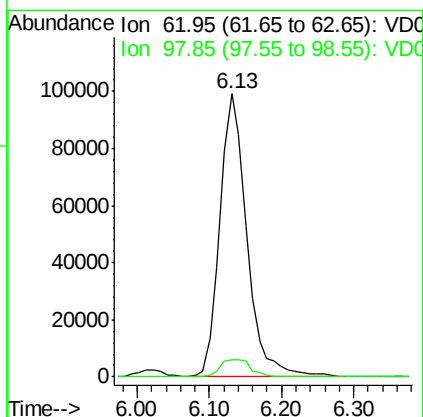
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

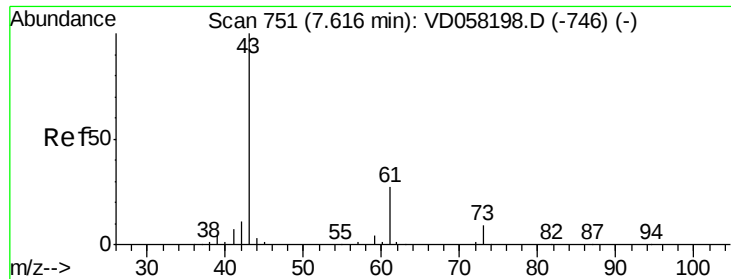
Tot Ion: 41 Resp: 70899
Ion Ratio Lower Upper
41 100
39 54.2 43.4 65.2
67 48.1 41.7 62.5
52 28.8 20.6 30.8



#42
1,2-Dichloroethane
Concen: 22.030 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 62 Resp: 257330
Ion Ratio Lower Upper
62 100
98 5.9 0.0 13.2





#43

Isopropyl Acetate

Concen: 20.276 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

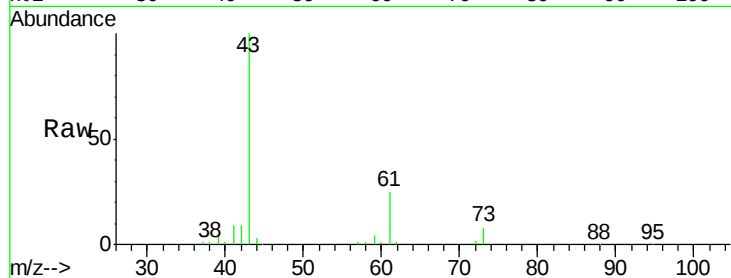
Tot Ion: 43 Resp: 187307

Ion Ratio Lower Upper

43 100

61 25.2 21.8 32.6

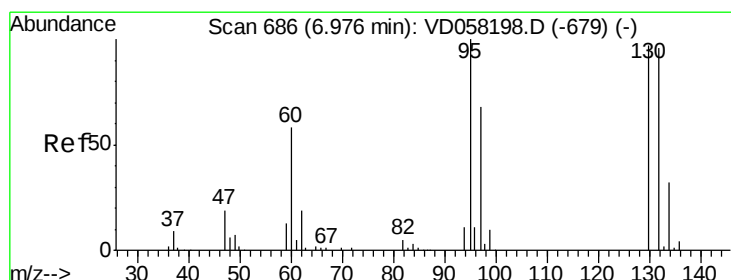
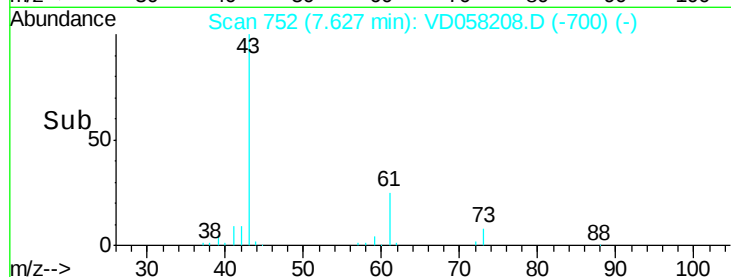
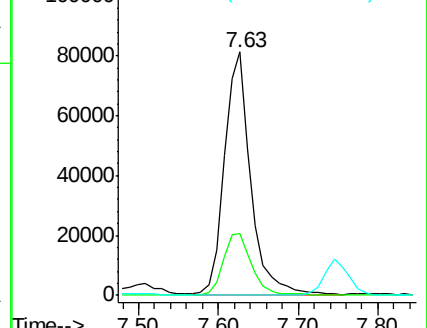
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 22.482 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058208.D

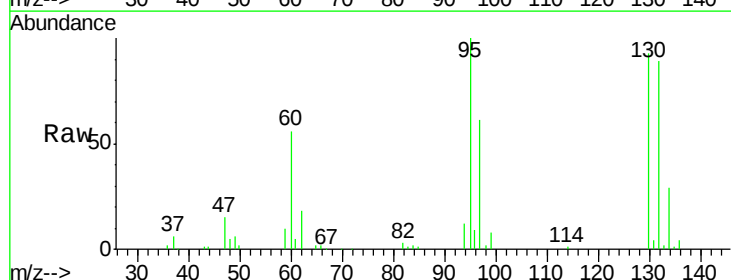
Acq: 20 Jun 2018 14:23

Tgt Ion:130 Resp: 195570

Ion Ratio Lower Upper

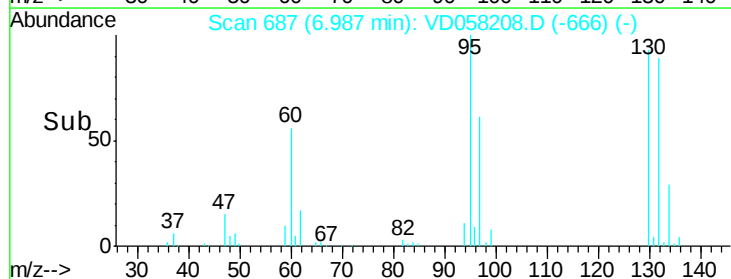
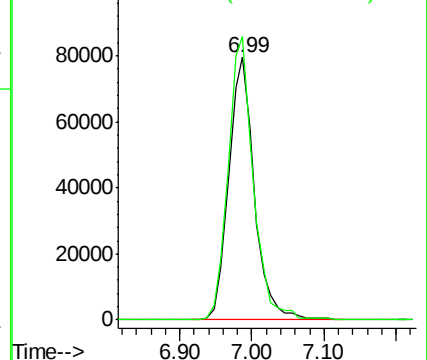
130 100

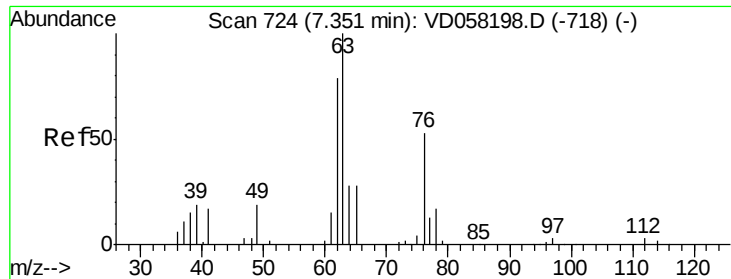
95 107.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.184 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

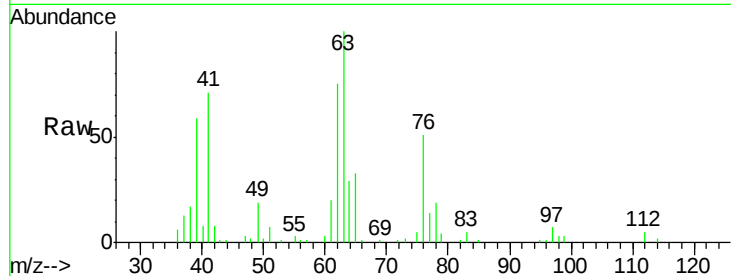
VD0620SBS02

Tot Ion: 63 Resp: 173077

Ion Ratio Lower Upper

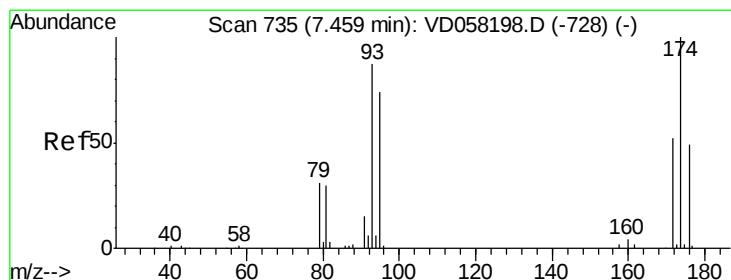
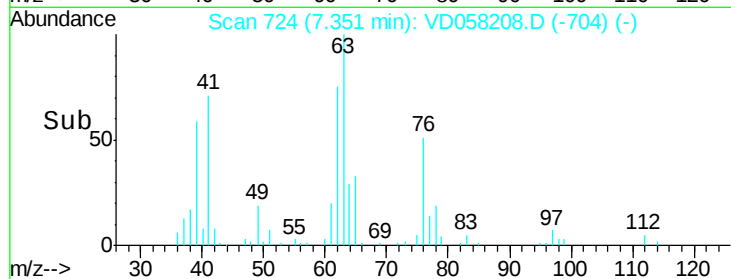
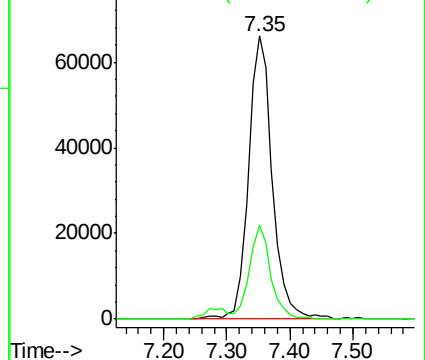
63 100

65 33.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.032 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

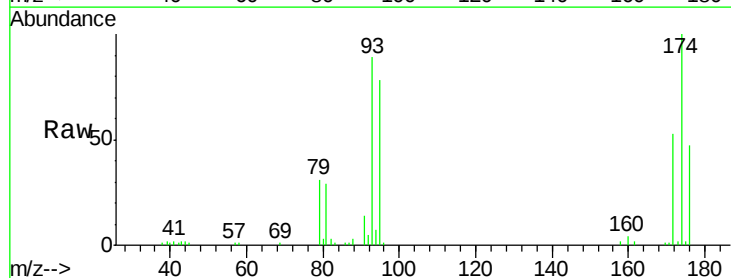
Tgt Ion: 93 Resp: 117340

Ion Ratio Lower Upper

93 100

95 88.2 67.8 101.6

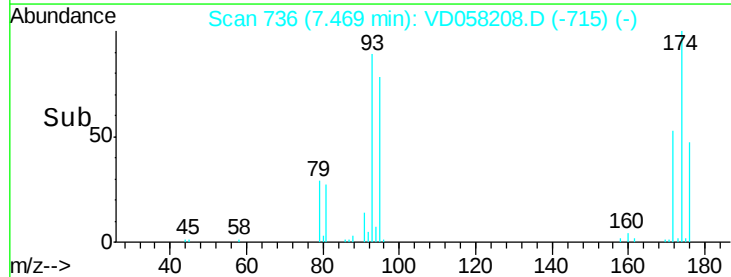
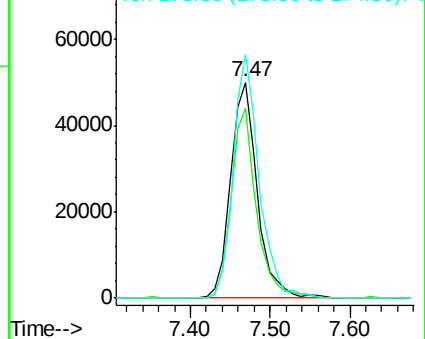
174 112.9 92.2 138.2

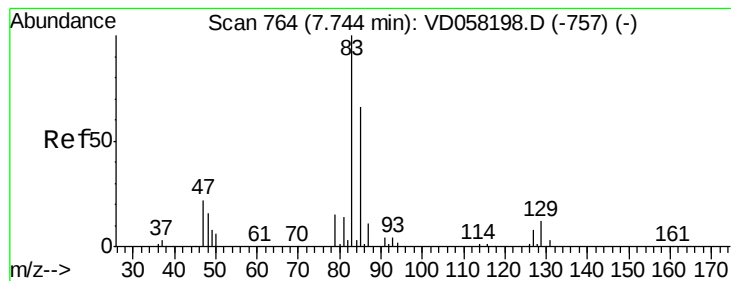


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.895 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

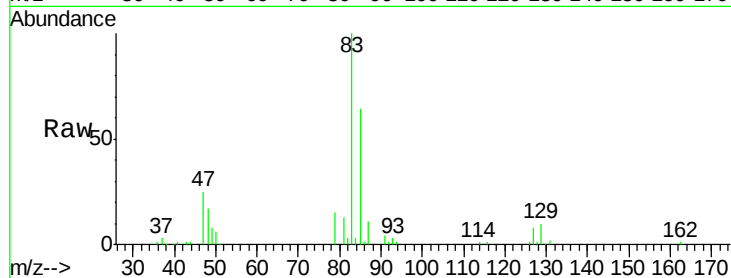
Tot Ion: 83 Resp: 265917

Ion Ratio Lower Upper

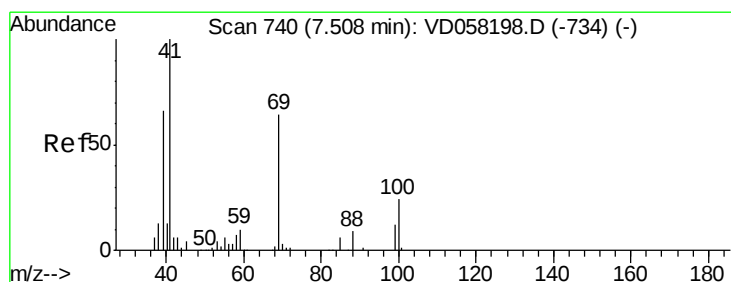
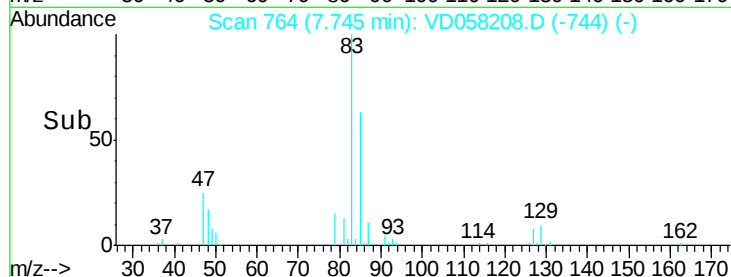
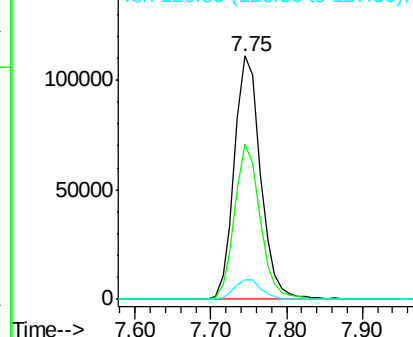
83 100

85 63.9 52.6 78.8

127 7.9 6.2 9.4



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



#48

Methyl methacrylate

Concen: 20.682 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

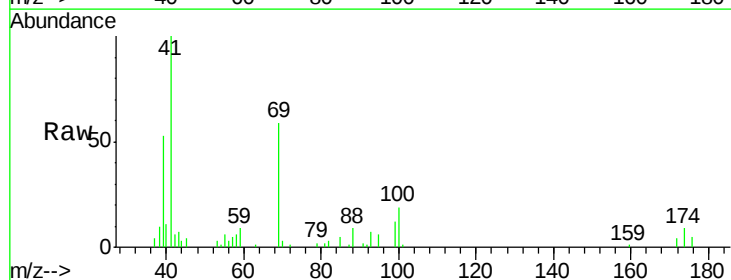
Tgt Ion: 41 Resp: 116116

Ion Ratio Lower Upper

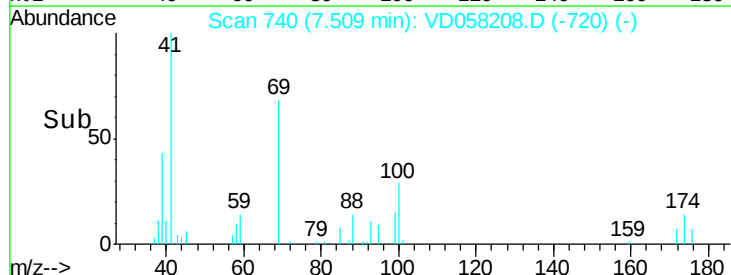
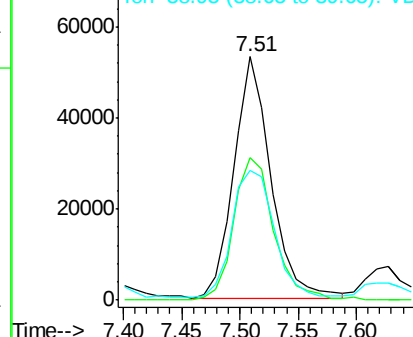
41 100

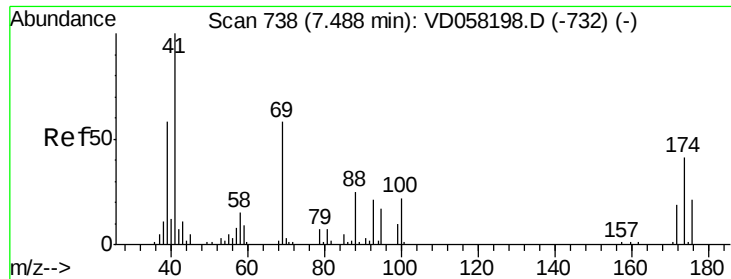
69 58.7 50.7 76.1

39 53.4 52.6 78.8



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





#49

1,4-Dioxane

Concen: 384.823 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

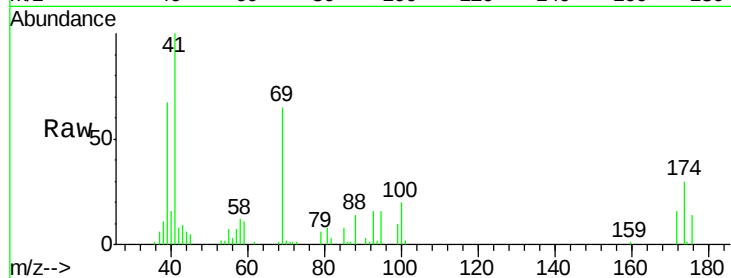
Tot Ion: 88 Resp: 19503

Ion Ratio Lower Upper

88 100

43 66.2 34.2 51.2#

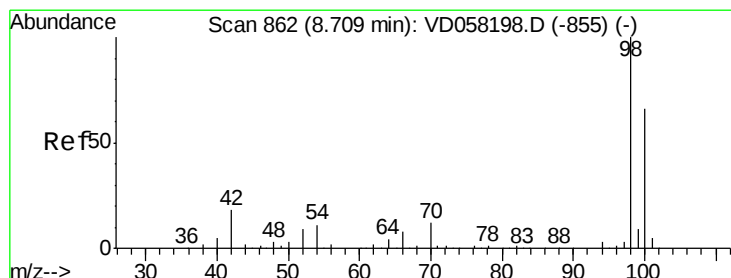
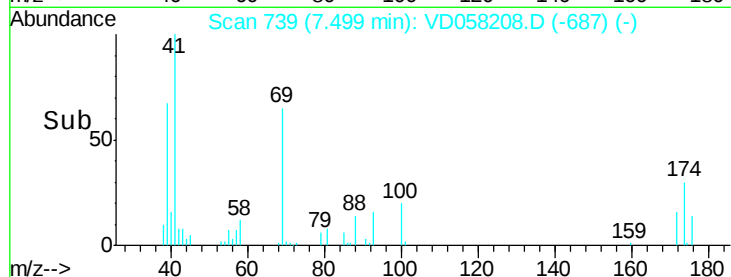
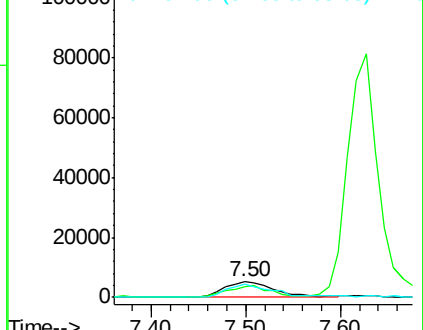
58 84.2 47.9 71.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 384.823 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058208.D

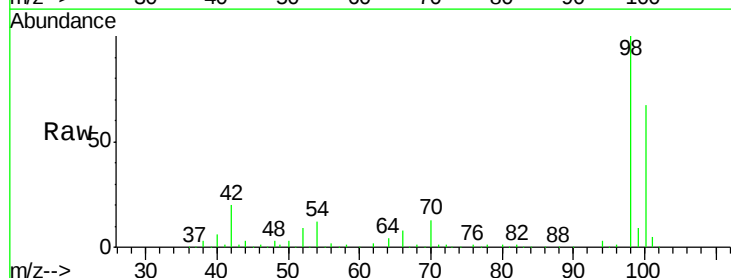
Acq: 20 Jun 2018 14:23

Tgt Ion: 98 Resp: 1221582

Ion Ratio Lower Upper

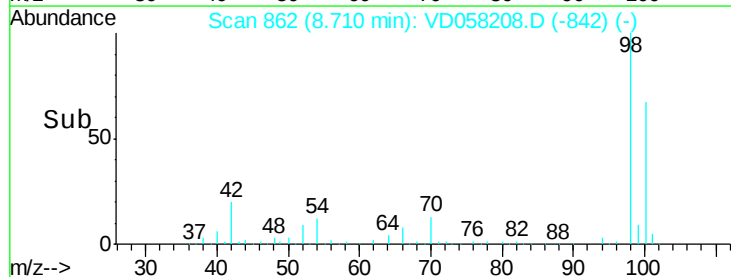
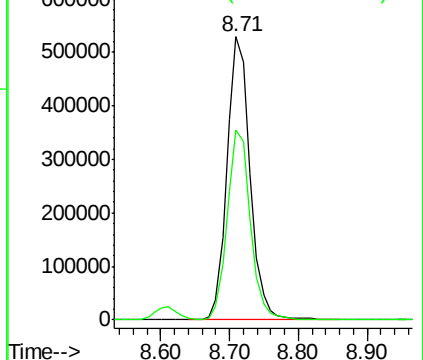
98 100

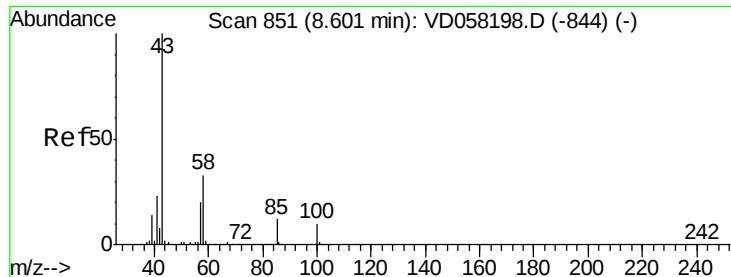
100 67.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 101.270 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

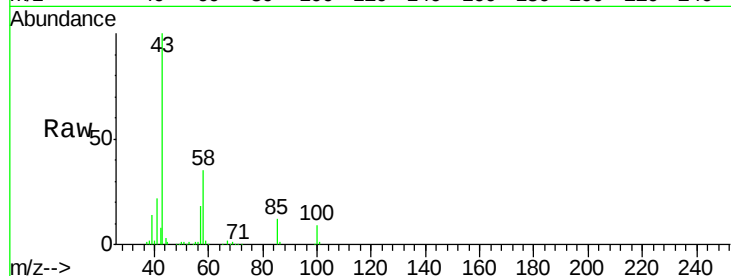
VD0620SBS02

Tot Ion: 43 Resp: 610207

Ion Ratio Lower Upper

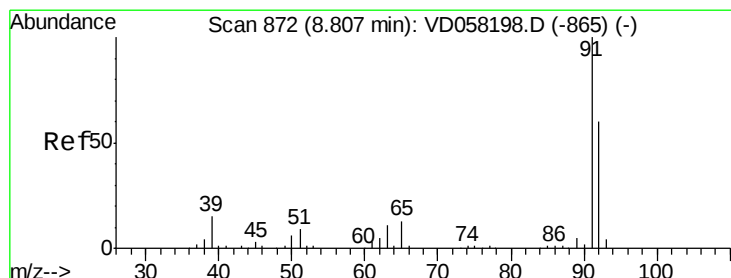
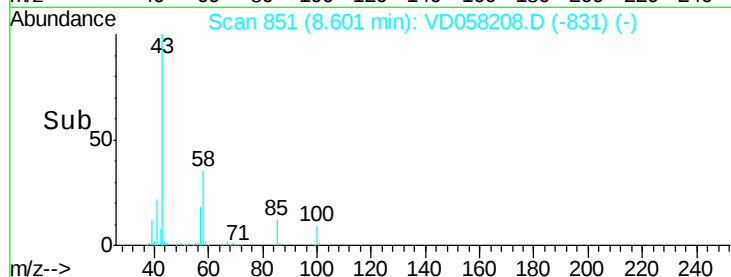
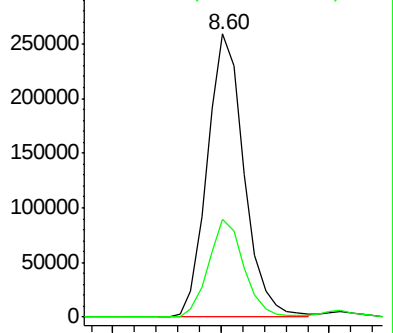
43 100

58 34.5 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.969 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058208.D

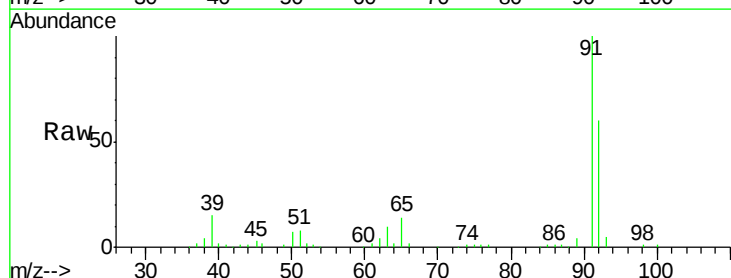
Acq: 20 Jun 2018 14:23

Tgt Ion: 92 Resp: 378887

Ion Ratio Lower Upper

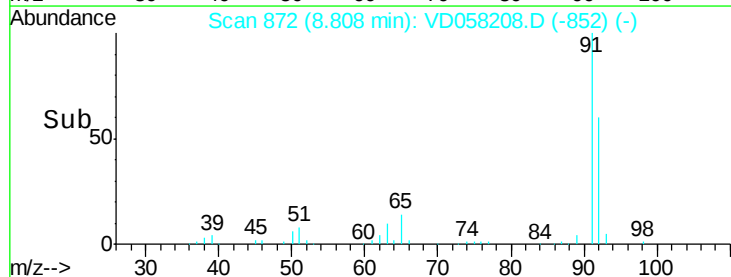
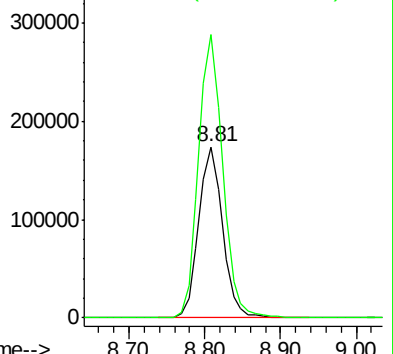
92 100

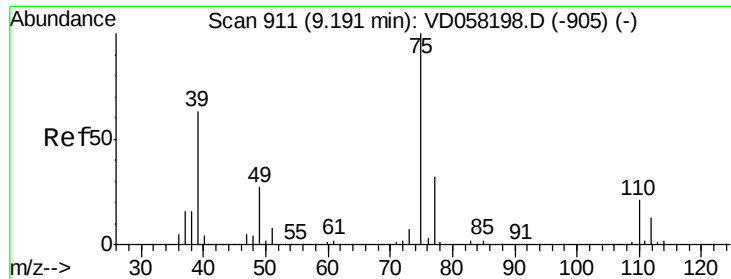
91 165.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

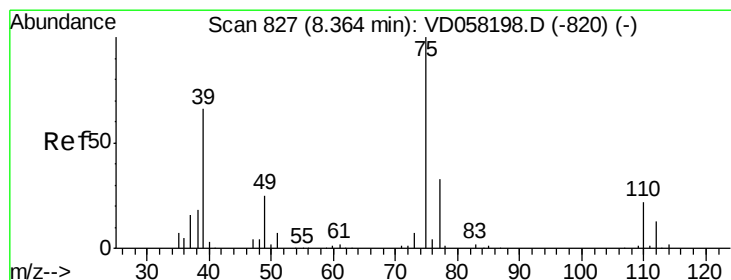
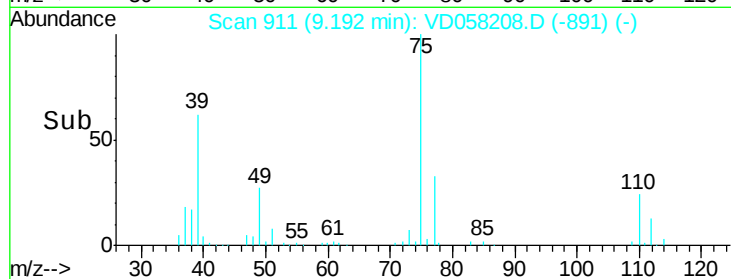
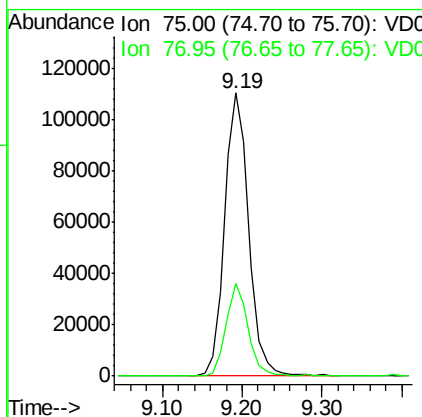
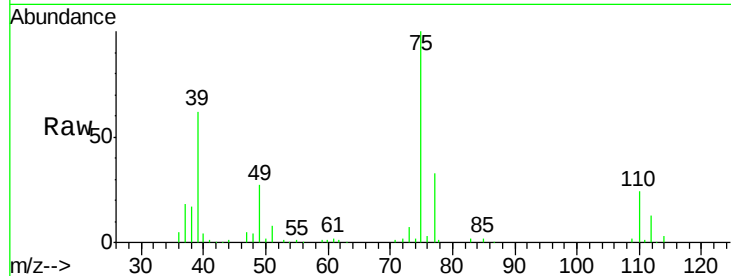




#53
 t-1,3-Dichloropropene
 Concen: 22.164 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

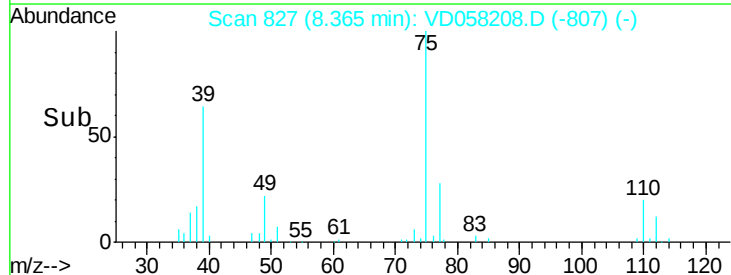
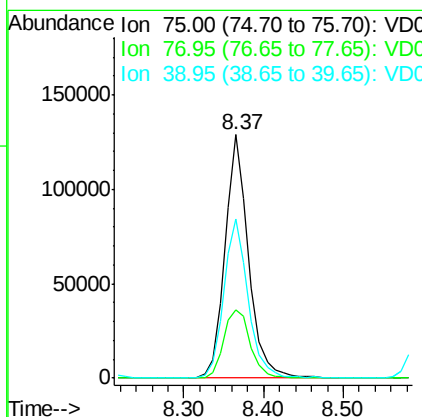
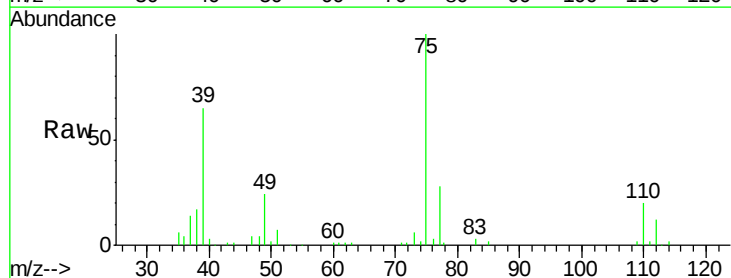
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

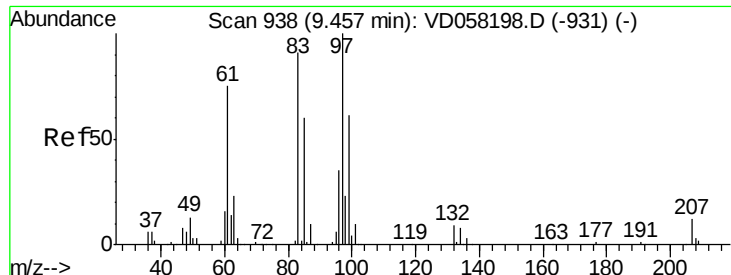
Tot Ion: 75 Resp: 234038
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.541 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 75 Resp: 266657
 Ion Ratio Lower Upper
 75 100
 77 28.0 26.5 39.7
 39 65.3 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 21.580 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

Tot Ion: 97 Resp: 125942

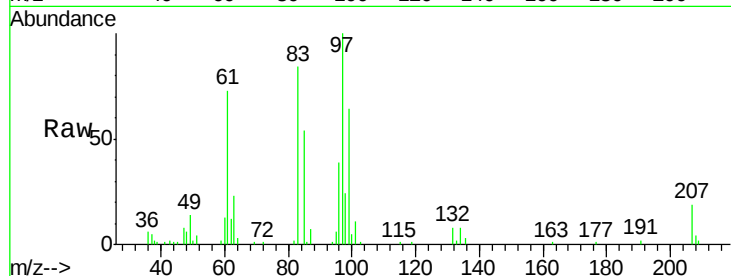
Ion	Ratio	Lower	Upper
97	100		
83	83.5	72.9	109.3
85	53.6	48.2	72.4
99	63.6	48.9	73.3

97 100

83 83.5 72.9 109.3

85 53.6 48.2 72.4

99 63.6 48.9 73.3



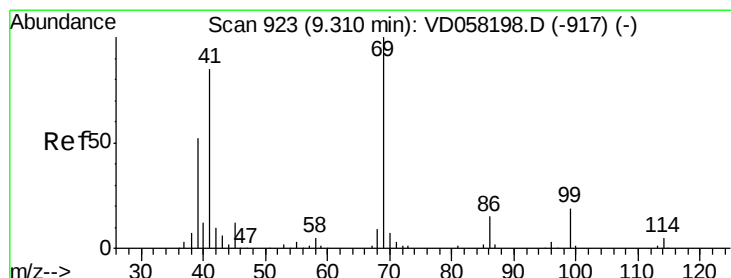
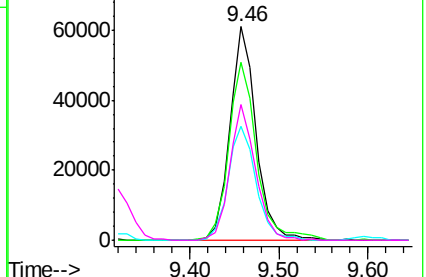
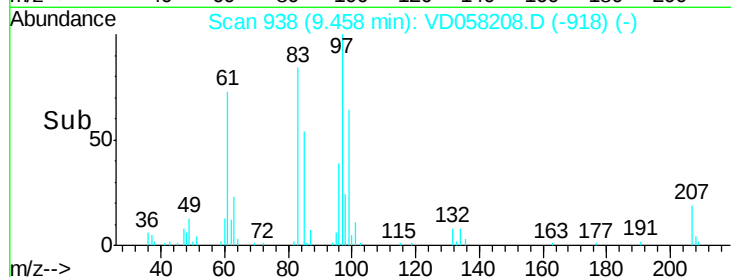
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



#56

Ethyl methacrylate

Concen: 21.725 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

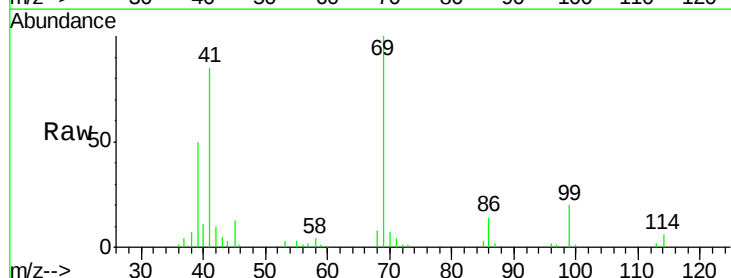
Tgt Ion: 69 Resp: 151629

Ion	Ratio	Lower	Upper
69	100		
41	85.1	67.6	101.4
39	49.7	42.2	63.2

69 100

41 85.1 67.6 101.4

39 49.7 42.2 63.2

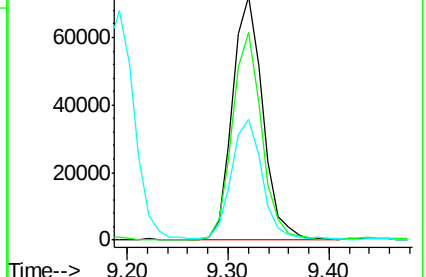
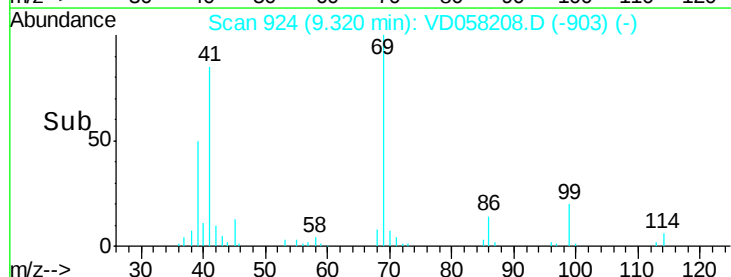


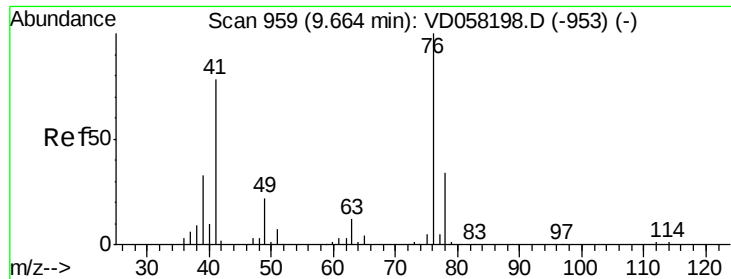
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 21.526 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

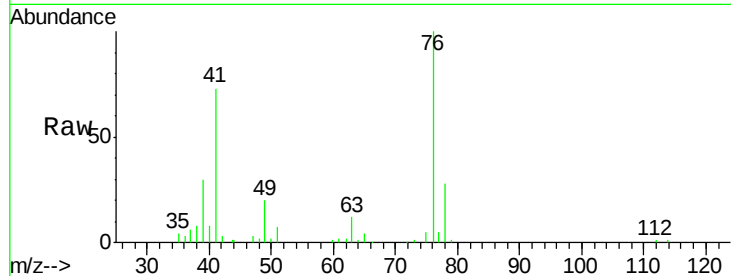
VD0620SBS02

Tot Ion: 76 Resp: 211620

Ion Ratio Lower Upper

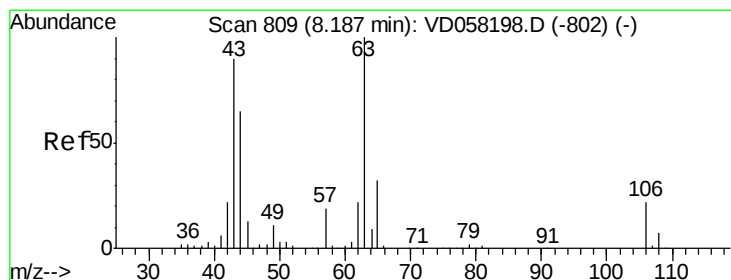
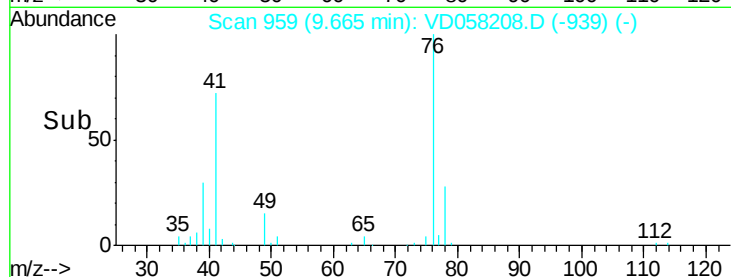
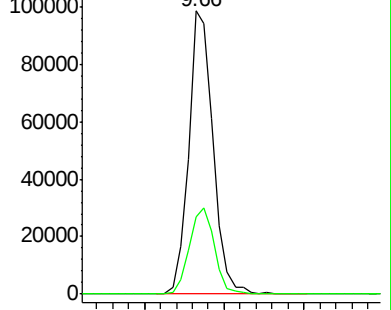
76 100

78 27.5 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.335 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058208.D

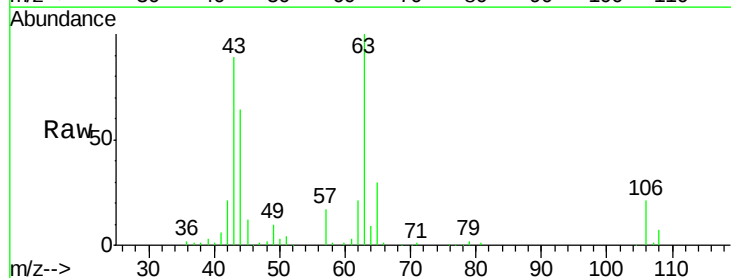
Acq: 20 Jun 2018 14:23

Tgt Ion: 63 Resp: 381241

Ion Ratio Lower Upper

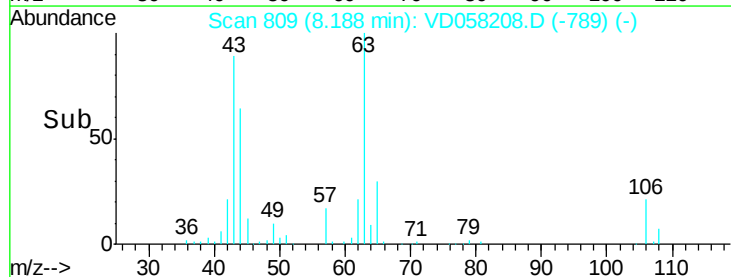
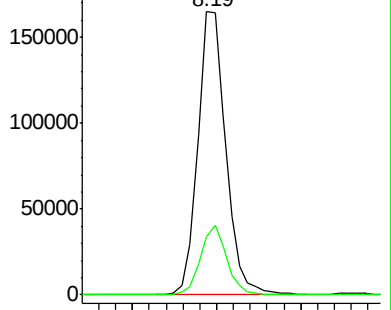
63 100

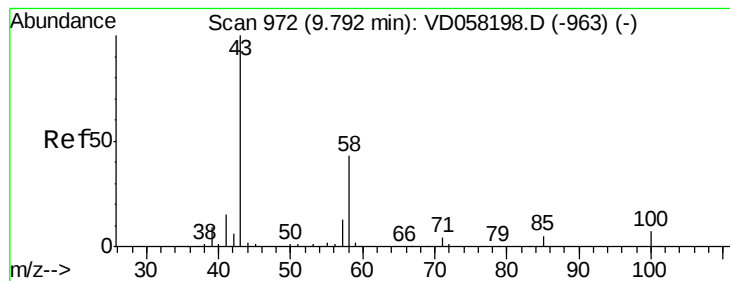
106 20.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 107.553 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

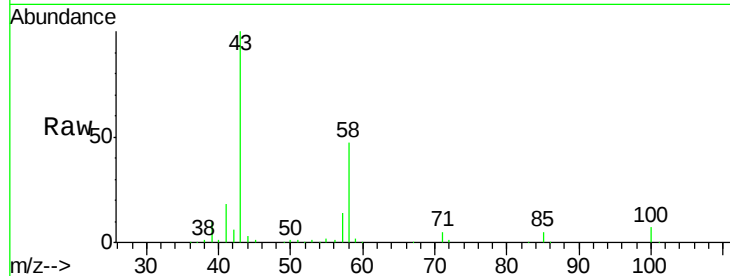
VD0620SBS02

Tot Ion: 43 Resp: 468281

Ion Ratio Lower Upper

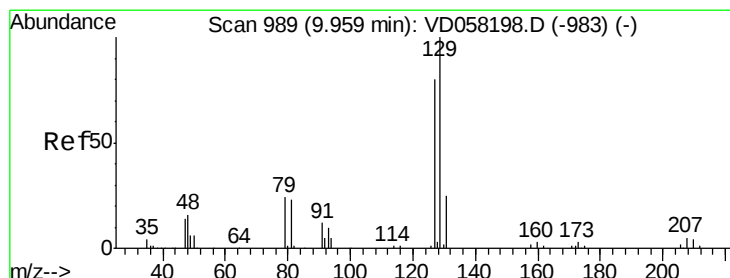
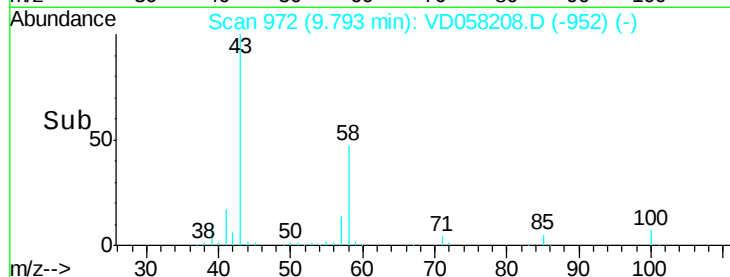
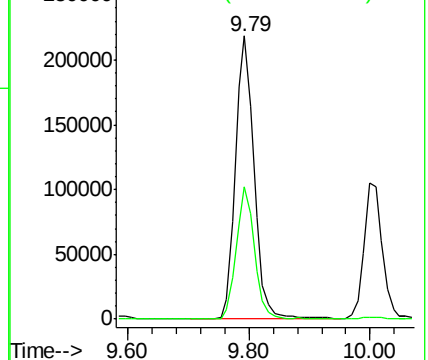
43 100

58 46.6 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.348 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058208.D

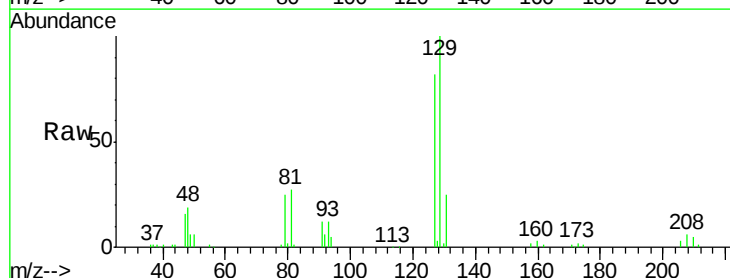
Acq: 20 Jun 2018 14:23

Tgt Ion:129 Resp: 169082

Ion Ratio Lower Upper

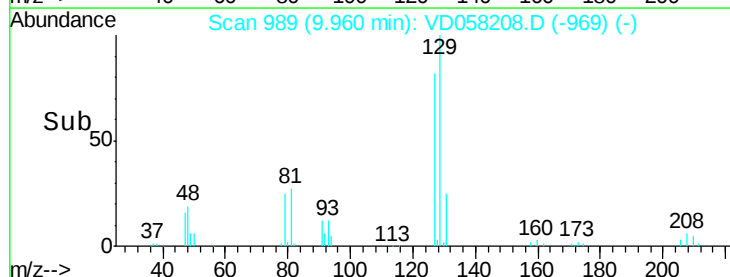
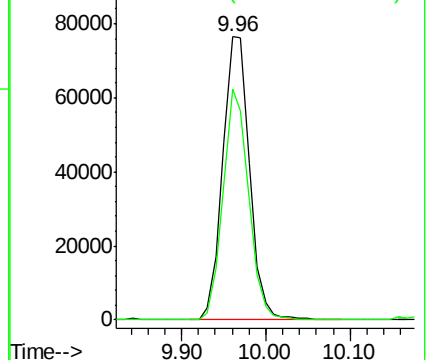
129 100

127 81.5 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.159 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

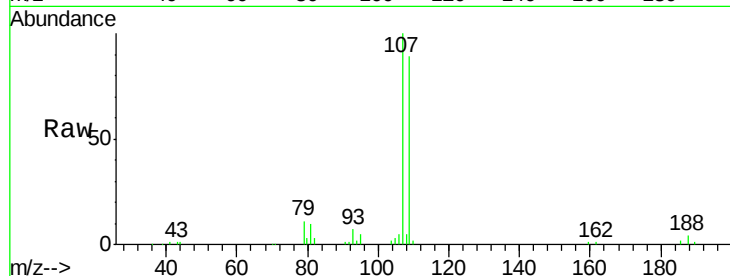
VD0620SBS02

Tot Ion:107 Resp: 141546

Ion Ratio Lower Upper

107 100

109 89.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

80000

60000

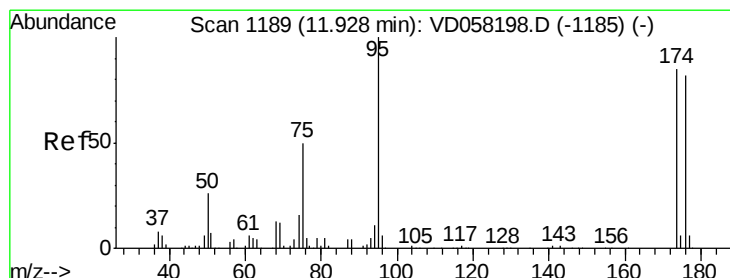
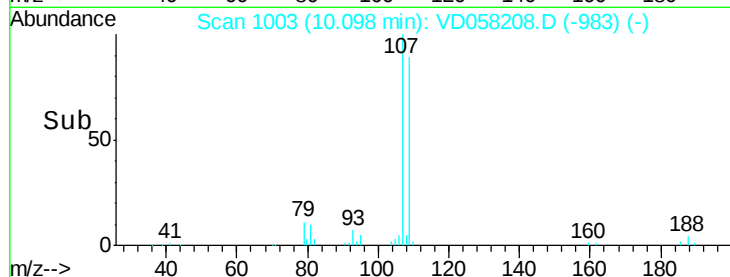
40000

20000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 22.159 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

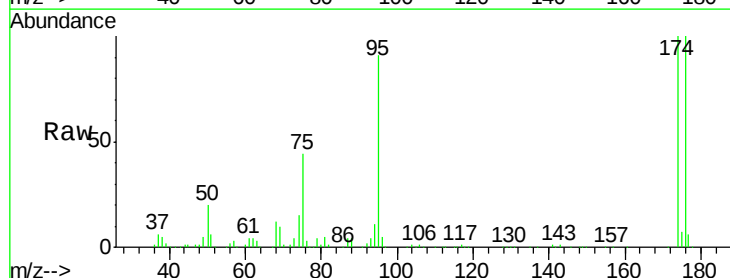
Tgt Ion: 95 Resp: 505243

Ion Ratio Lower Upper

95 100

174 109.4 0.0 170.2

176 109.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

300000

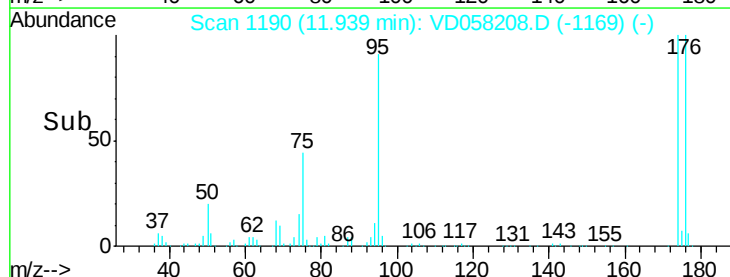
200000

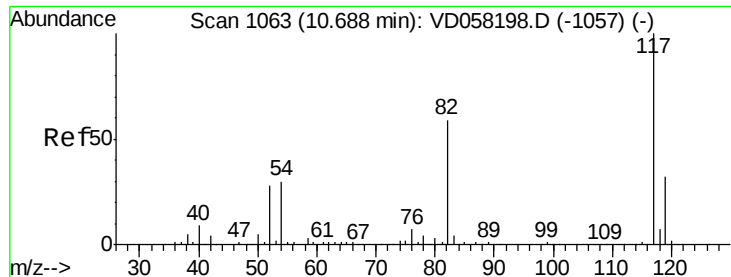
100000

0

Time-->

11.90 11.94 12.00

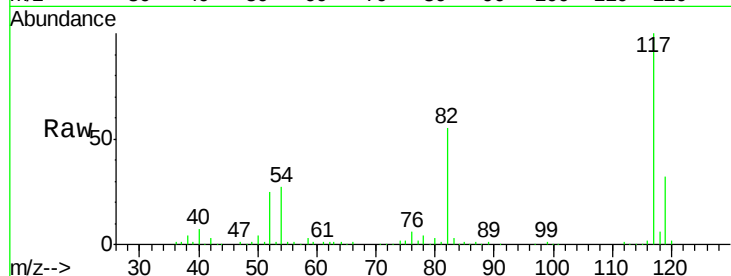




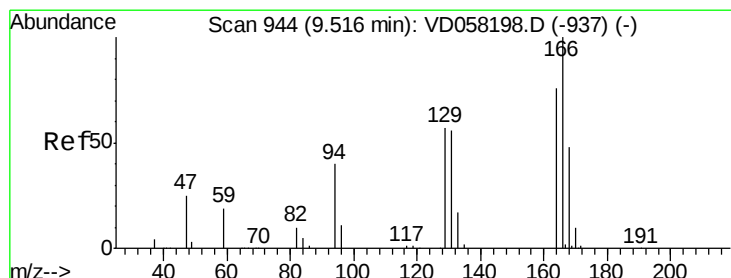
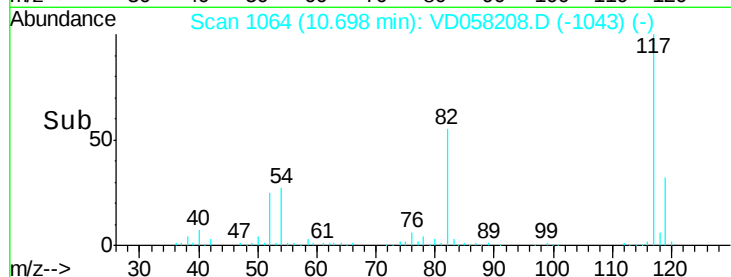
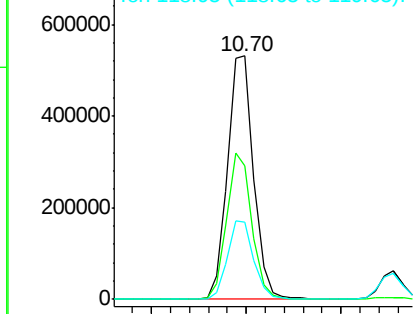
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:117 Resp: 1012941
Ion Ratio Lower Upper
117 100
82 55.0 47.0 70.6
119 31.9 25.3 37.9



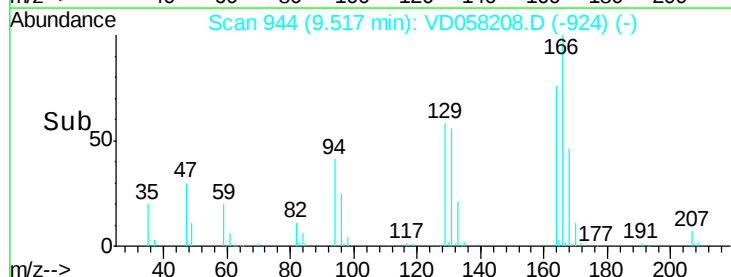
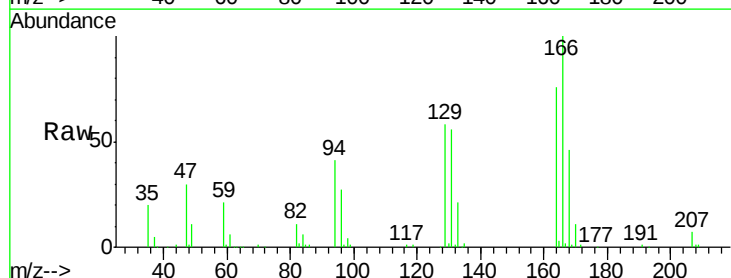
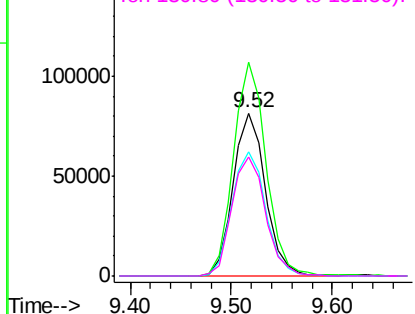
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

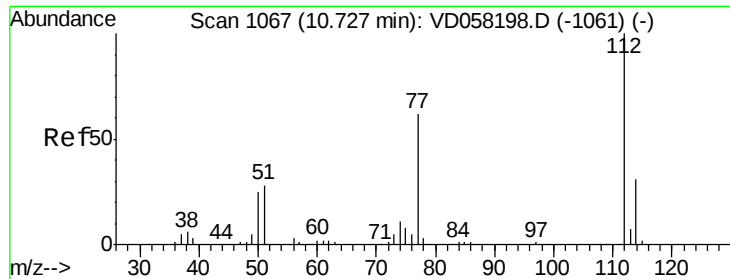


#64
Tetrachloroethene
Concen: 21.277 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:164 Resp: 181345
Ion Ratio Lower Upper
164 100
166 131.3 105.4 158.0
129 76.6 59.6 89.4
131 73.4 59.4 89.2

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

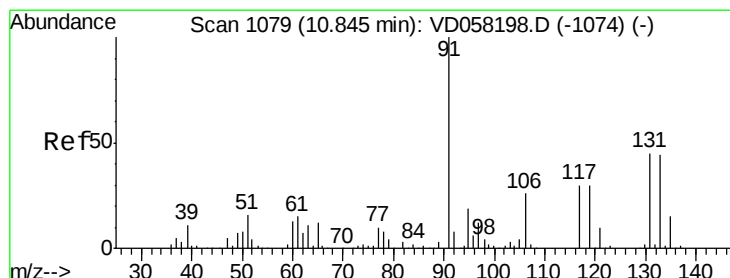
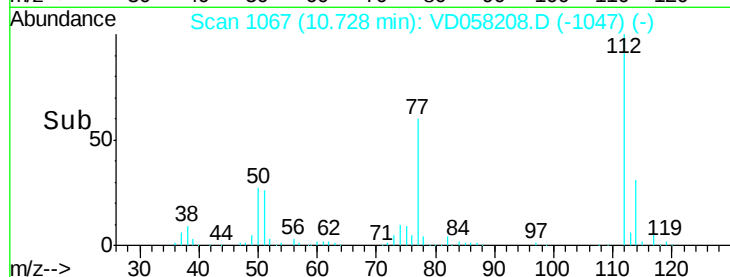
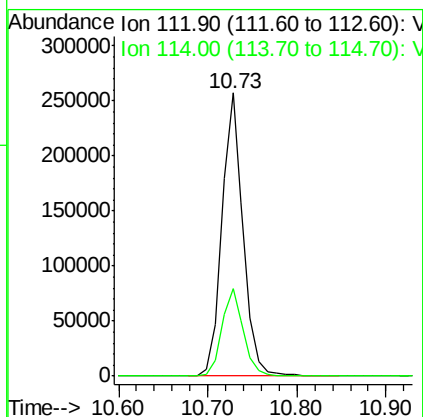
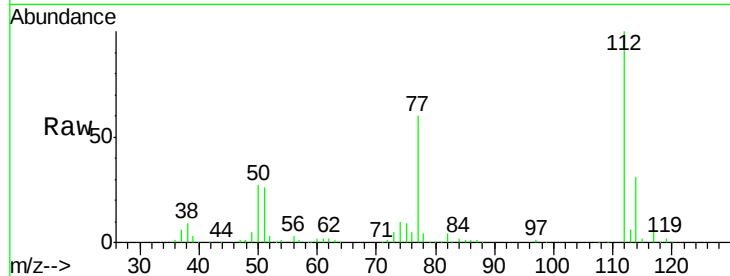




#65
Chlorobenzene
Concen: 22.538 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

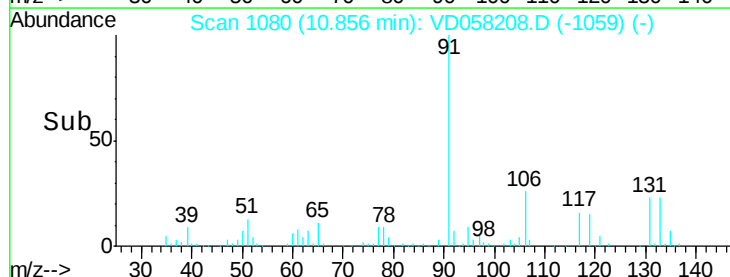
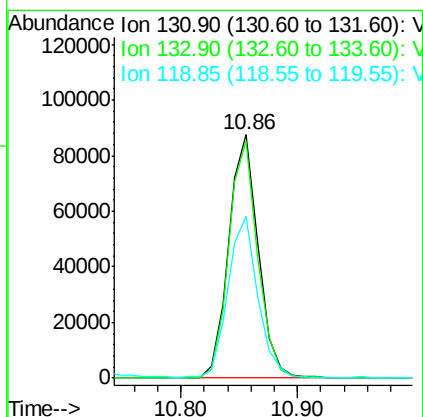
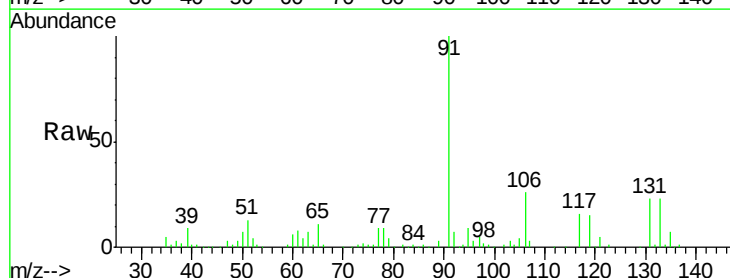
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:112 Resp: 427041
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.928 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:131 Resp: 153027
Ion Ratio Lower Upper
131 100
133 97.4 48.6 145.9
119 66.4 33.0 99.0

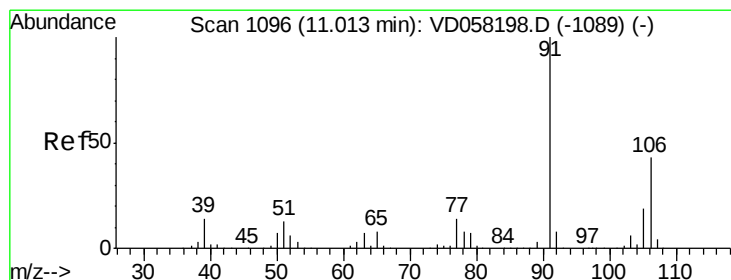
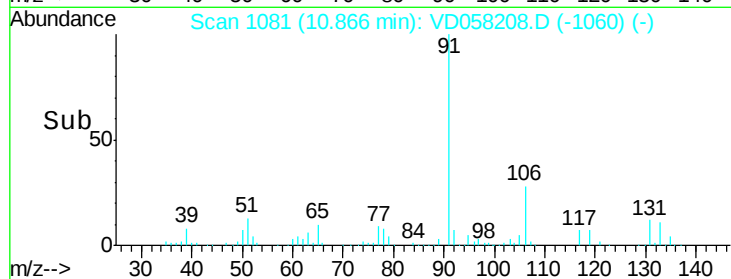
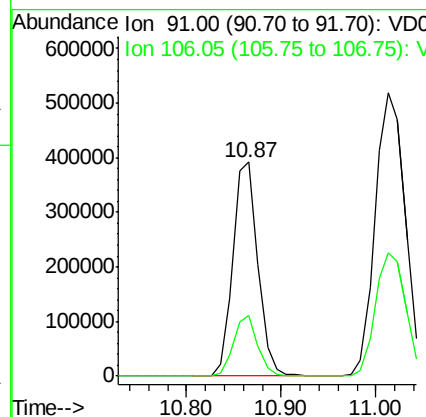
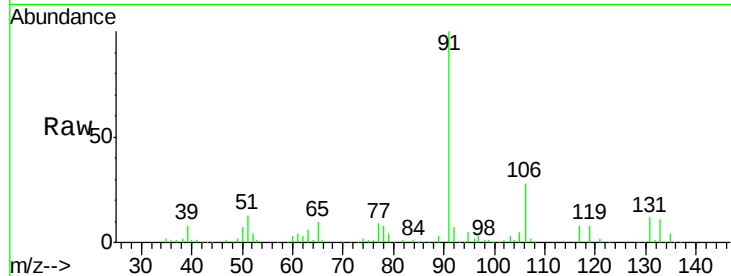




#67
Ethyl Benzene
Concen: 21.393 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

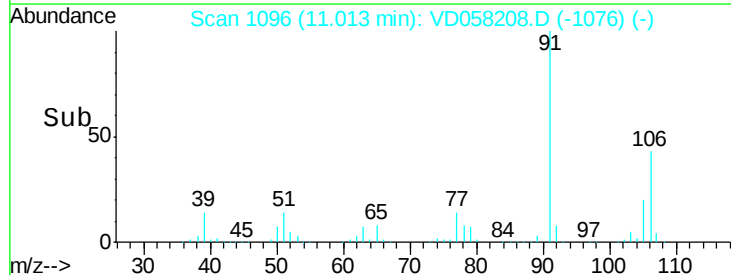
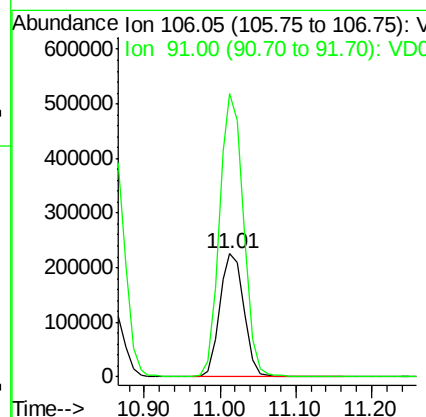
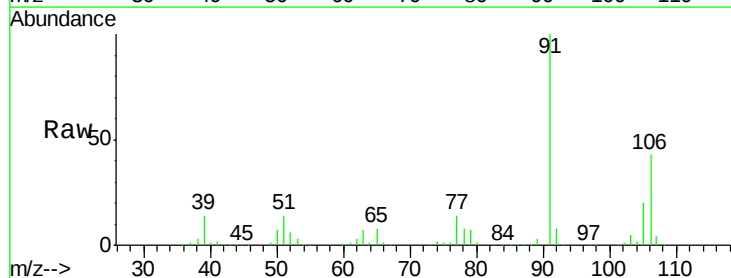
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

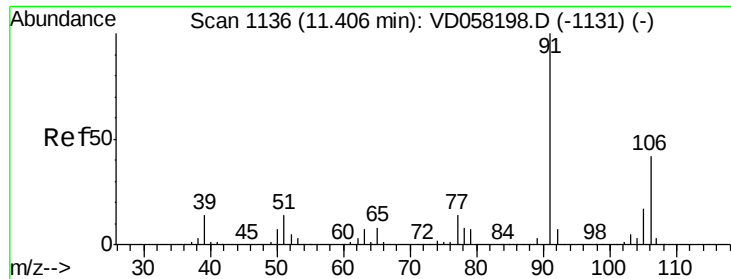
Tot Ion: 91 Resp: 715611
Ion Ratio Lower Upper
91 100
106 28.5 22.0 33.0



#68
m/p-Xylenes
Concen: 45.394 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 106 Resp: 506380
Ion Ratio Lower Upper
106 100
91 230.2 185.0 277.6

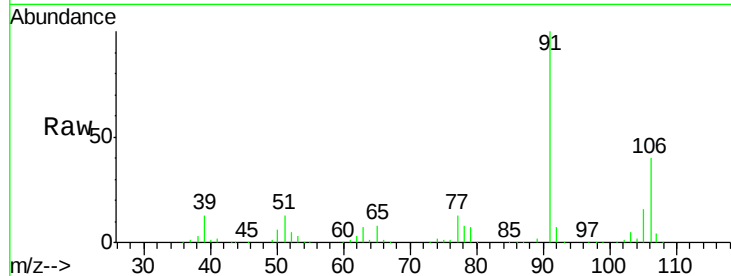




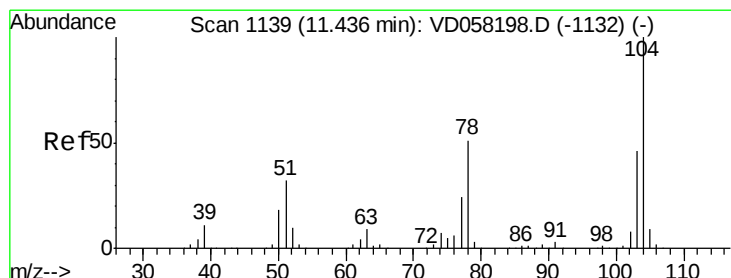
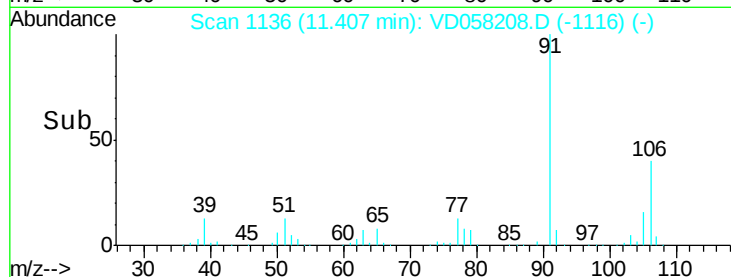
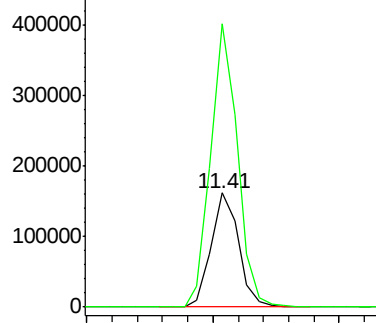
#69
o-Xylene
Concen: 22.836 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:106 Resp: 243305
Ion Ratio Lower Upper
106 100
91 247.8 120.2 360.6

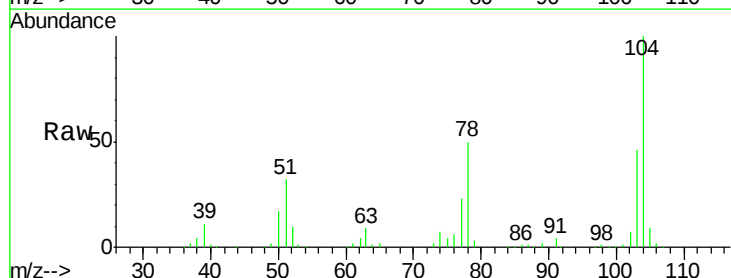


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

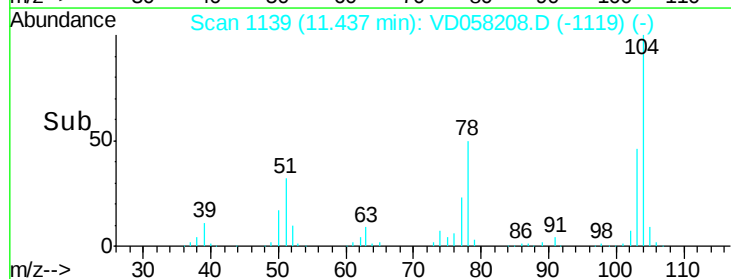
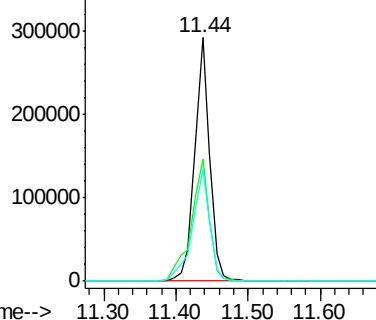


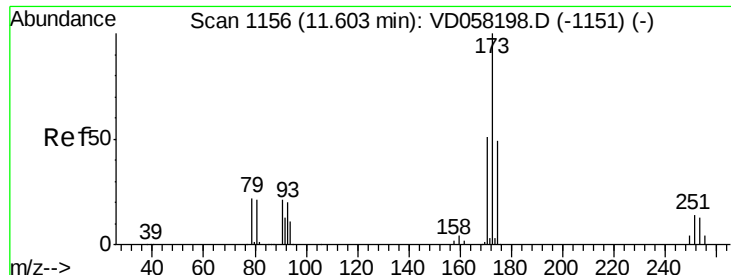
#70
Styrene
Concen: 22.905 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:104 Resp: 416427
Ion Ratio Lower Upper
104 100
78 50.0 40.8 61.2
103 46.0 37.0 55.6



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

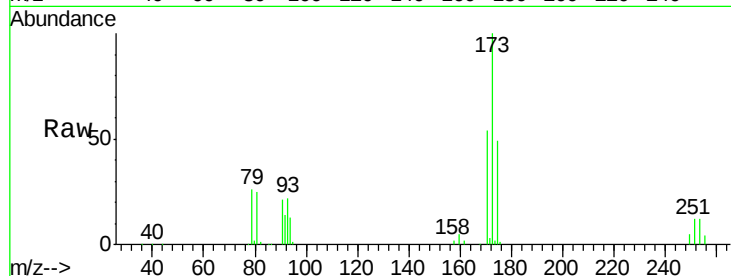




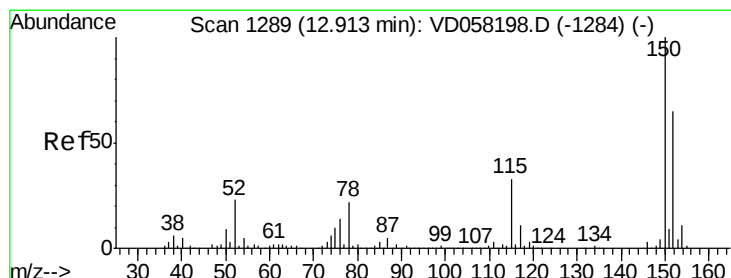
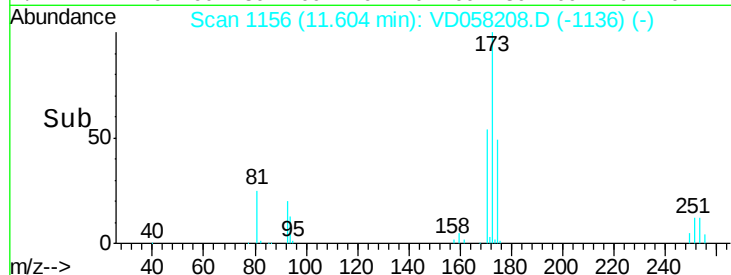
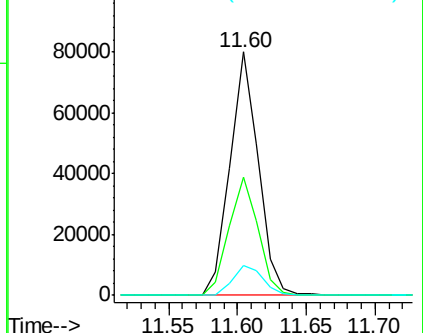
#71
Bromoform
Concen: 19.681 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion:173 Resp: 114800
Ion Ratio Lower Upper
173 100
175 48.8 24.6 74.0
254 12.4 10.3 15.5

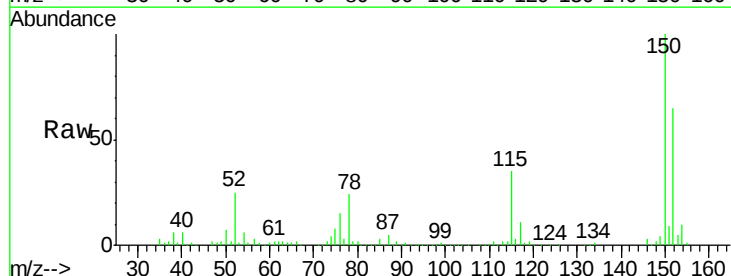


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

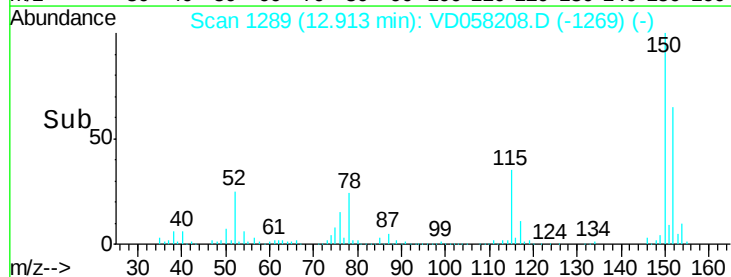
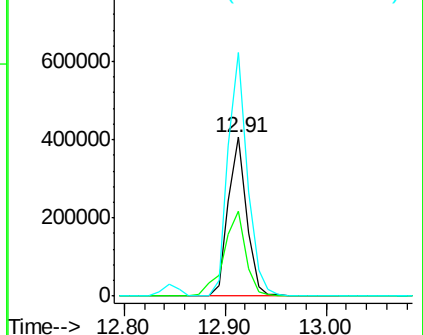


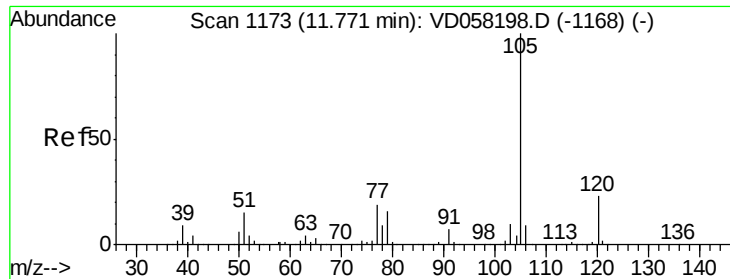
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion:152 Resp: 517078
Ion Ratio Lower Upper
152 100
115 53.8 25.1 75.3
150 153.4 0.0 308.8



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

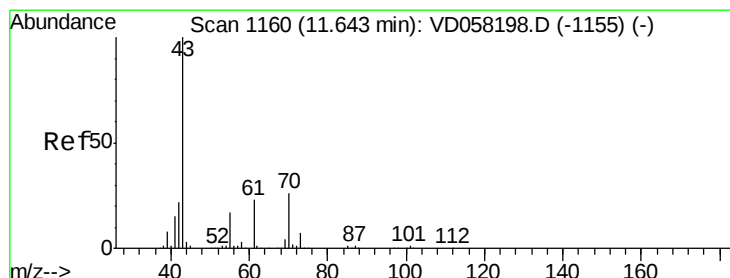
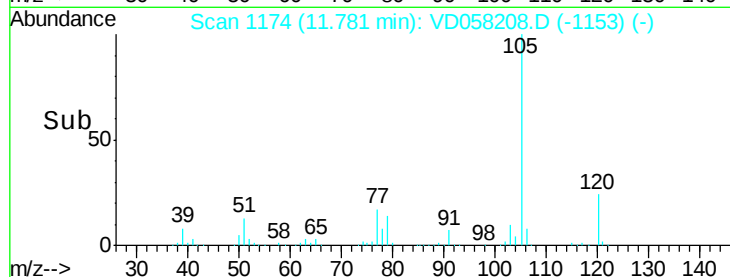
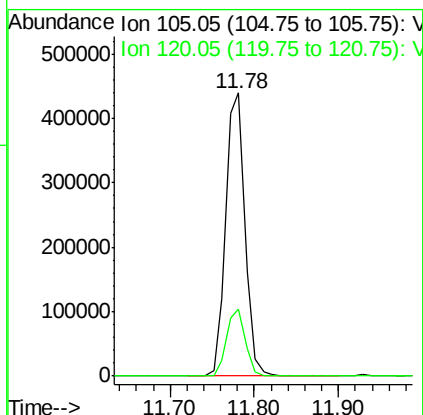
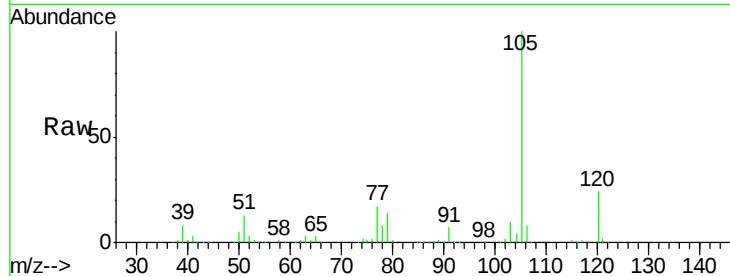




#73
Isopropylbenzene
Concen: 22.562 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

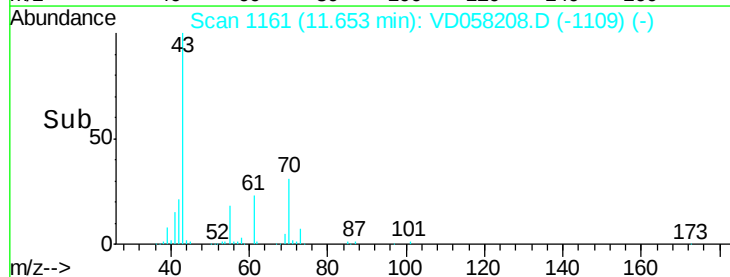
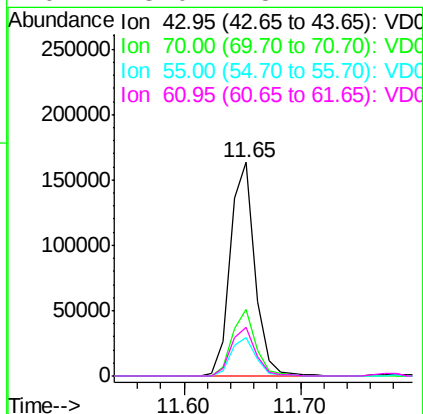
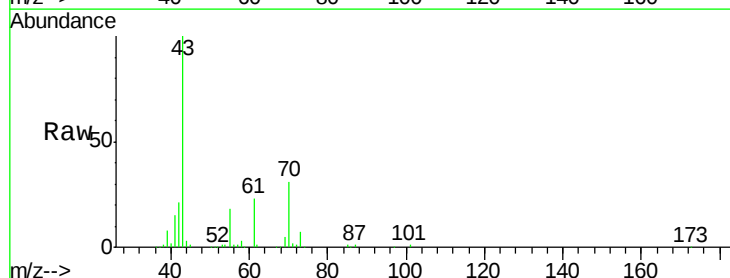
Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

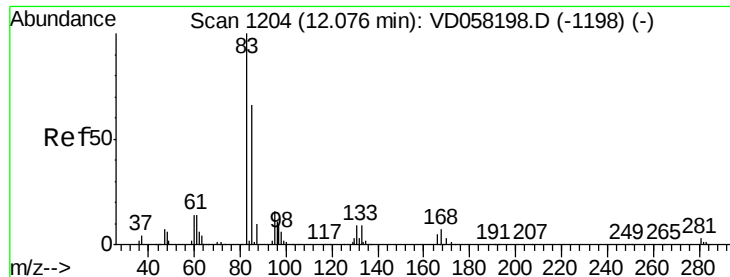
Tot Ion: 105 Resp: 697827
Ion Ratio Lower Upper
105 100
120 23.5 11.6 34.8



#74
N-ethyl acetate
Concen: 19.904 ug/l
RT: 11.65 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 43 Resp: 238026
Ion Ratio Lower Upper
43 100
70 31.1 20.9 31.3
55 18.0 13.5 20.3
61 23.0 18.2 27.2

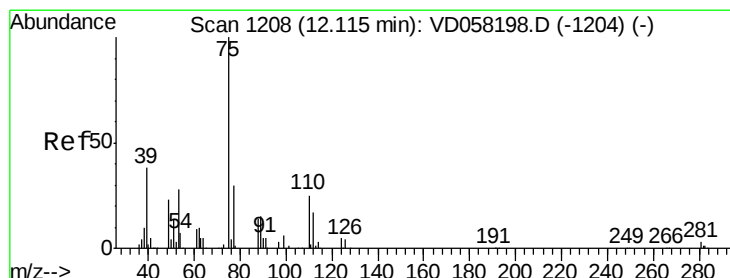
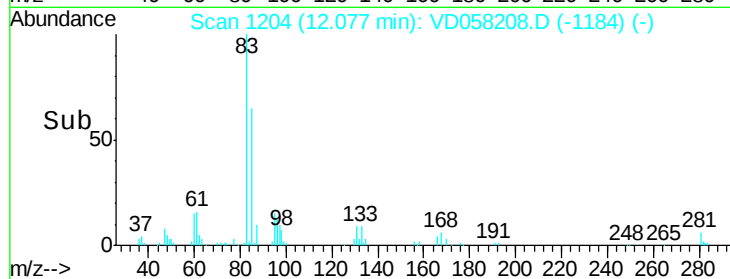
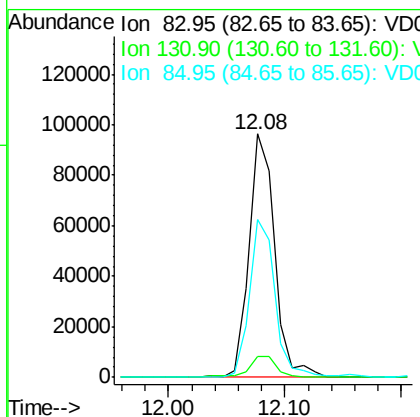
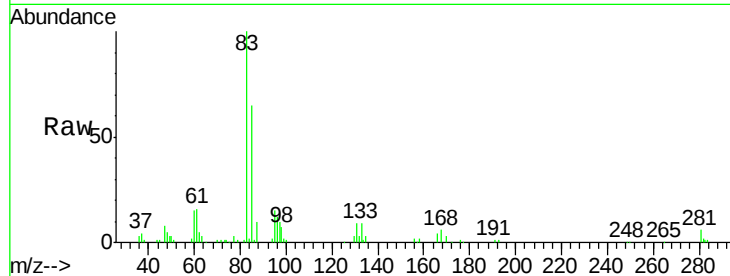




#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.377 ug/l
 RT: 12.08 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

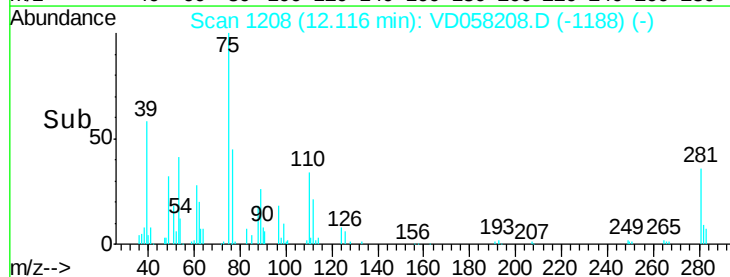
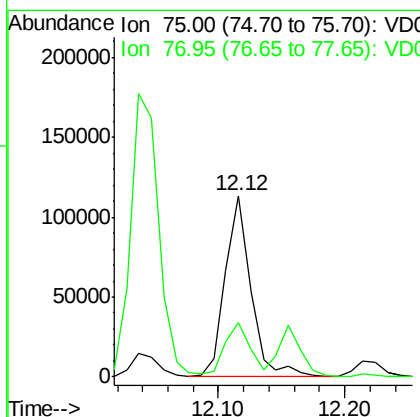
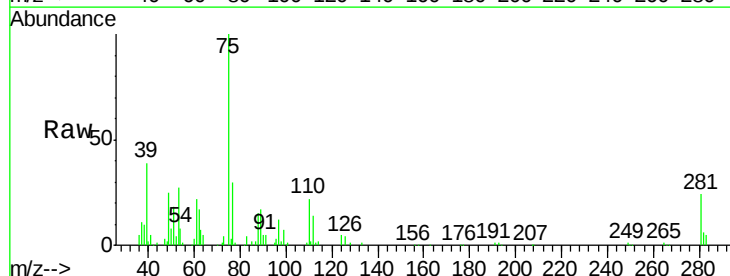
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

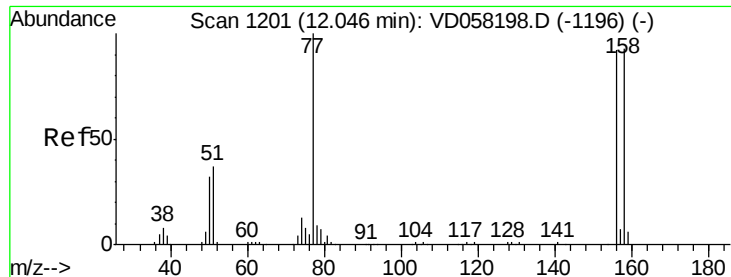
Tot Ion	83	Resp	146666
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.3
85	64.9	33.1	99.5



#76
 1,2,3-Trichloropropane
 Concen: 21.068 ug/l
 RT: 12.12 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion	75	Resp	159051
Ion Ratio	Lower	Upper	
75	100		
77	29.8	16.0	47.9





#77

Bromobenzene

Concen: 21.623 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

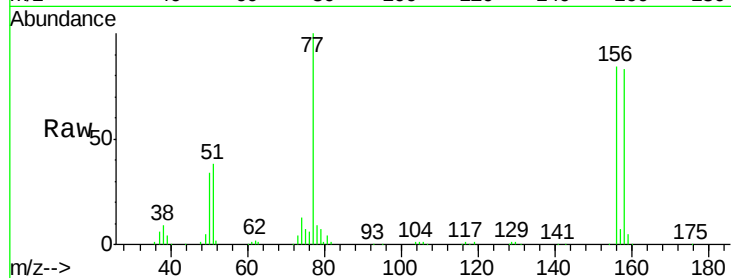
Tot Ion:156 Resp: 200265

Ion Ratio Lower Upper

156 100

77 119.1 54.5 163.6

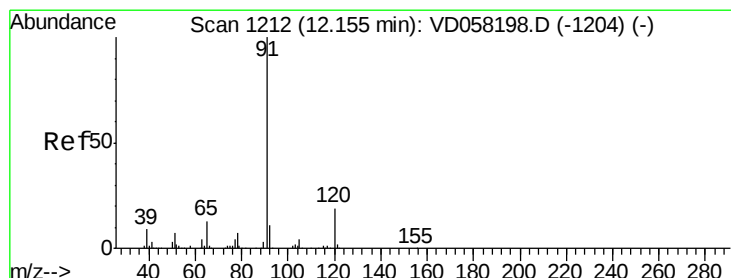
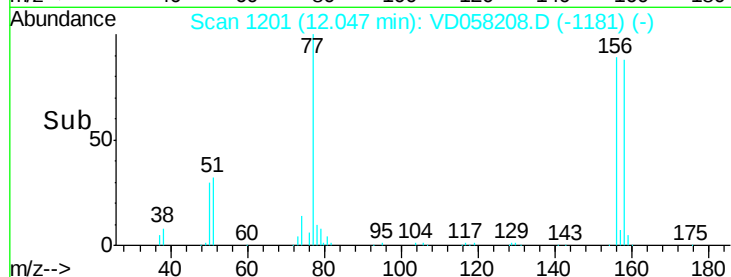
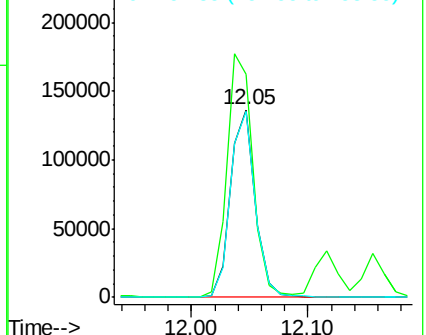
158 99.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.385 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058208.D

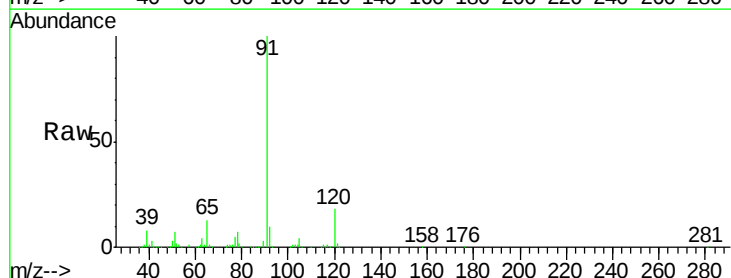
Acq: 20 Jun 2018 14:23

Tgt Ion: 91 Resp: 934016

Ion Ratio Lower Upper

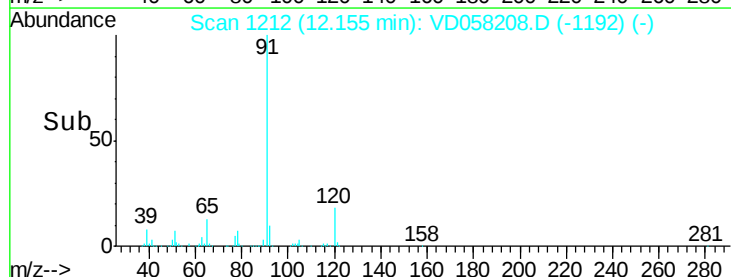
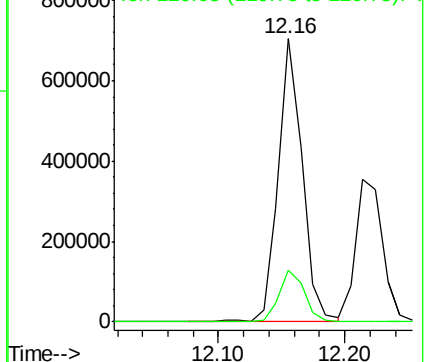
91 100

120 18.2 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

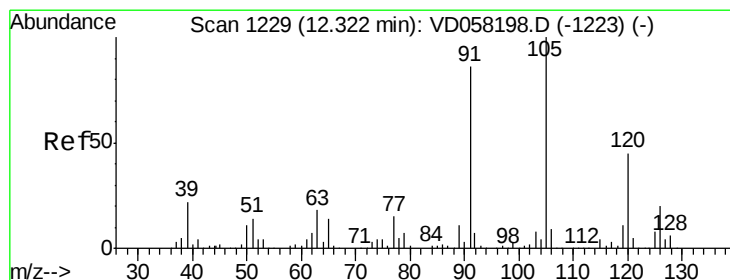
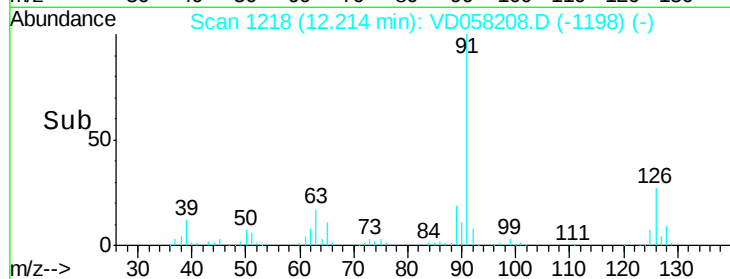
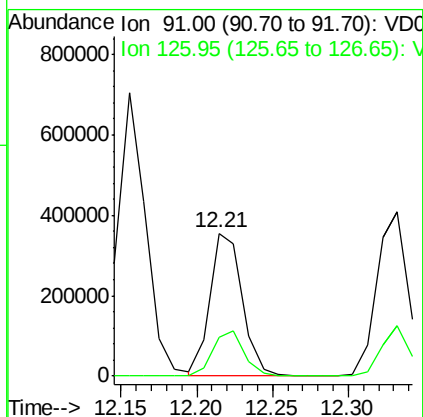
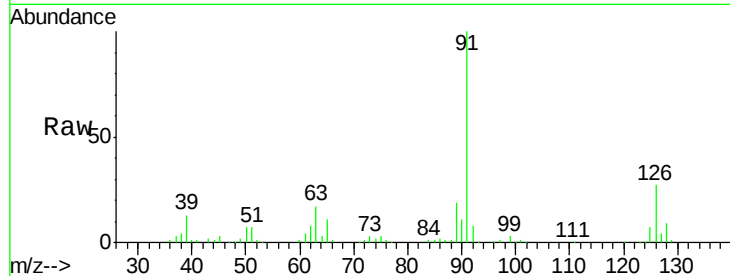




#79
 2-Chlorotoluene
 Concen: 23.151 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

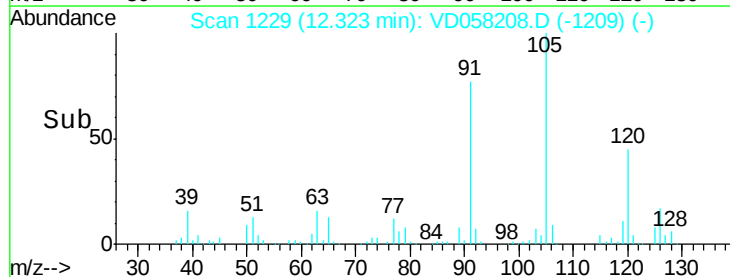
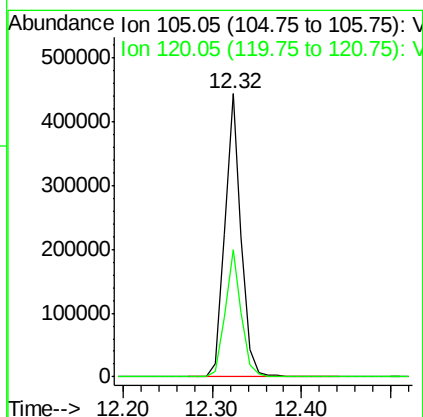
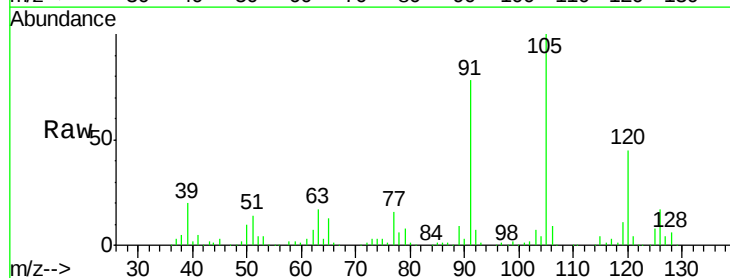
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

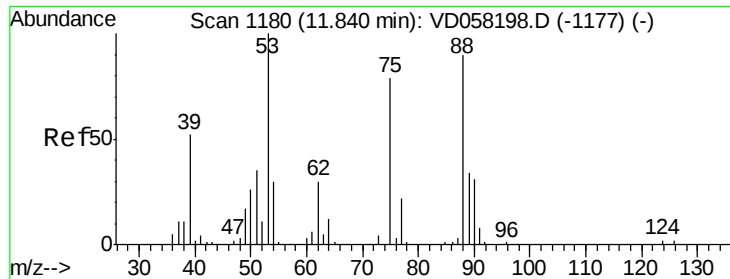
Tot Ion: 91 Resp: 529146
 Ion Ratio Lower Upper
 91 100
 126 27.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.671 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 105 Resp: 571024
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.924 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

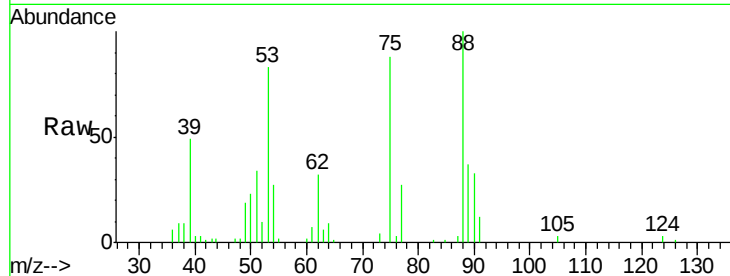
Tot Ion: 75 Resp: 38526

Ion Ratio Lower Upper

75 100

53 94.9 100.8 151.2#

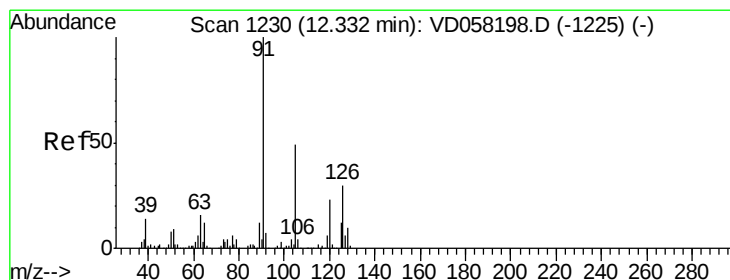
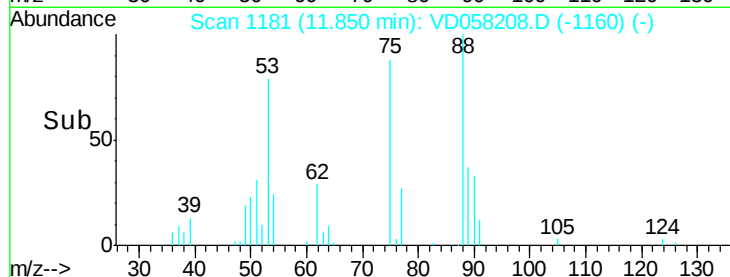
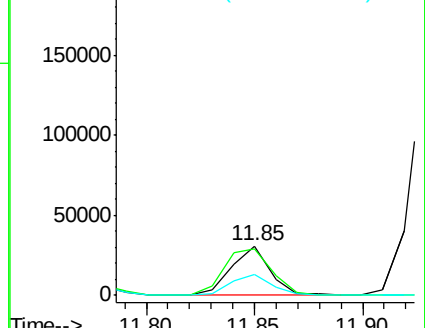
89 42.2 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 23.799 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058208.D

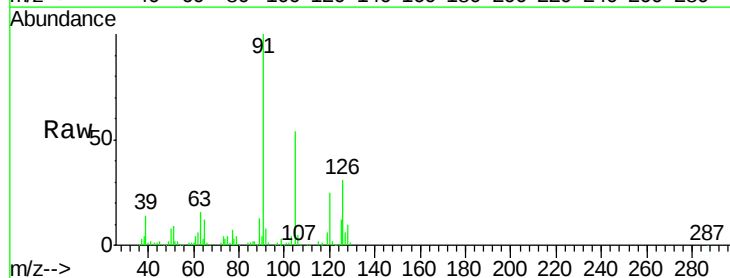
Acq: 20 Jun 2018 14:23

Tgt Ion: 91 Resp: 593593

Ion Ratio Lower Upper

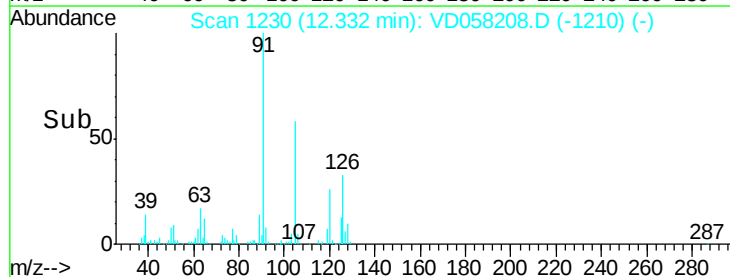
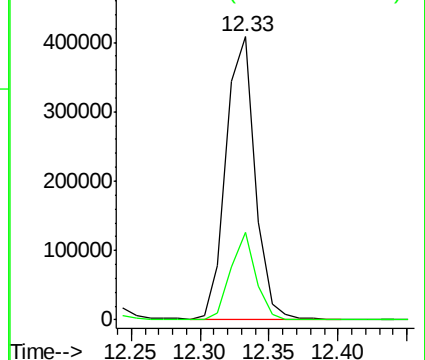
91 100

126 30.8 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

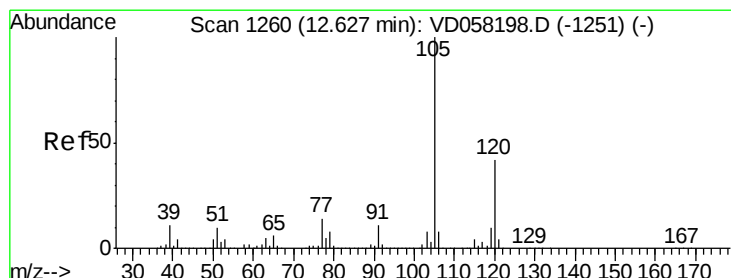
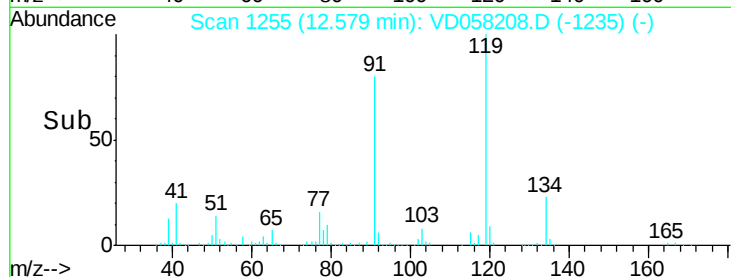
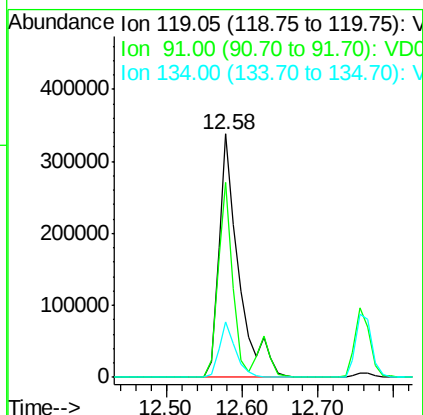
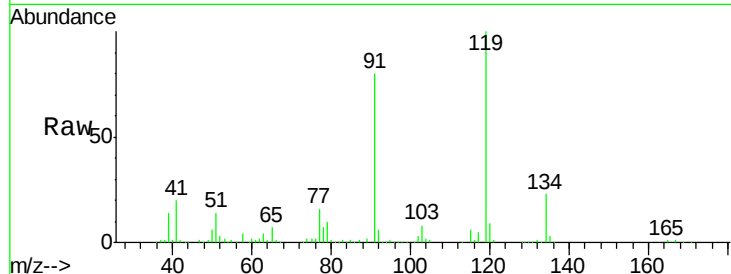




#83
 tert-Butylbenzene
 Concen: 22.343 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

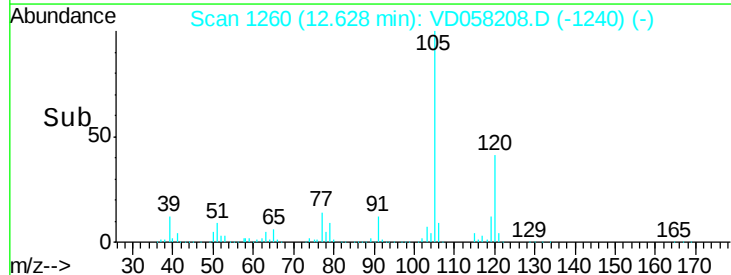
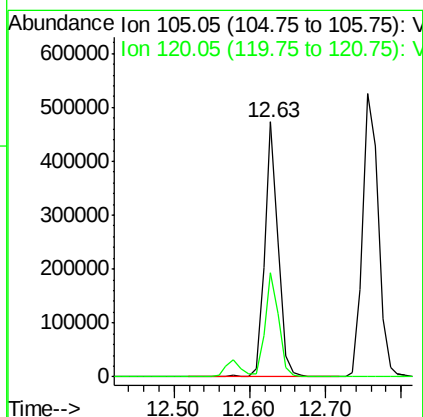
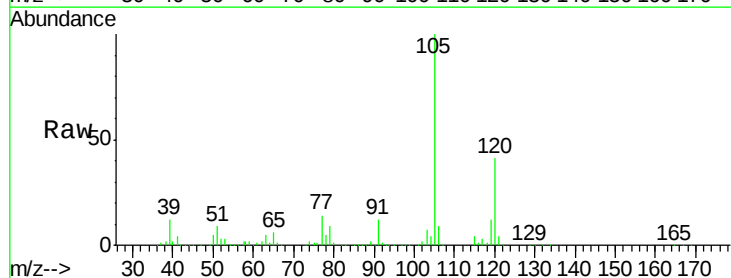
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

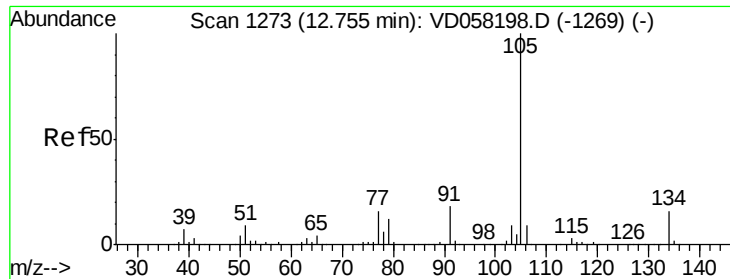
Tot Ion:119 Resp: 619692
 Ion Ratio Lower Upper
 119 100
 91 80.0 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.592 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion:105 Resp: 592408
 Ion Ratio Lower Upper
 105 100
 120 41.0 20.8 62.4

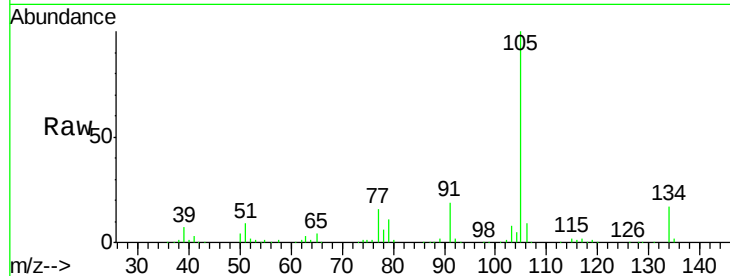




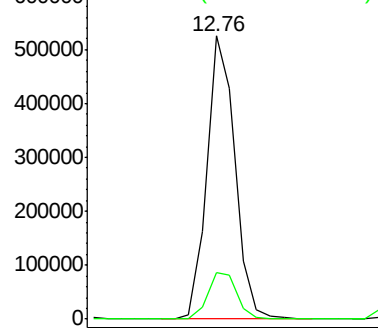
#85
 sec-Butylbenzene
 Concen: 22.829 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

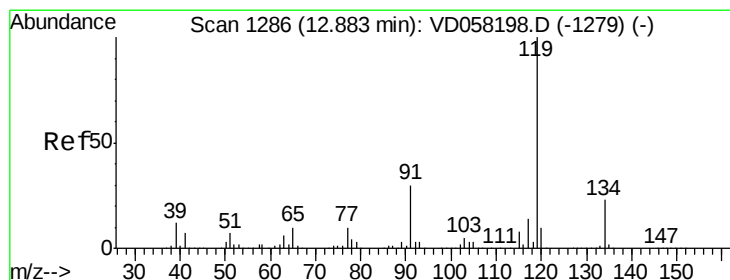
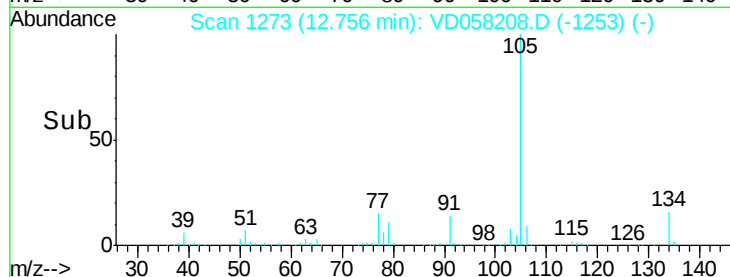
Tot Ion:105 Resp: 742150
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

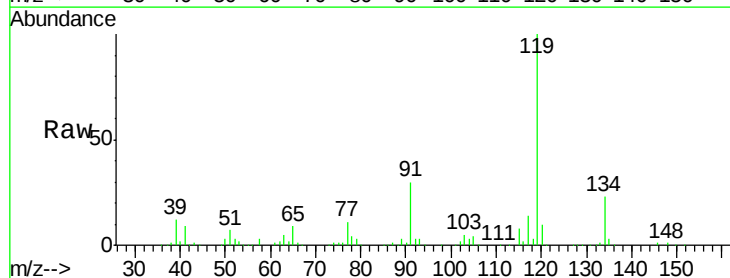


Time-->

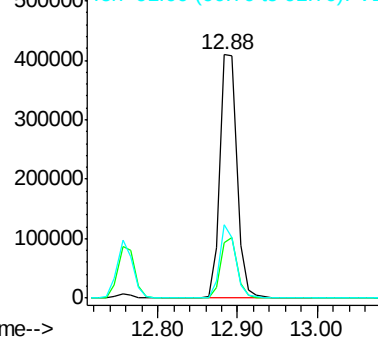


#86
 p-Isopropyltoluene
 Concen: 22.943 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

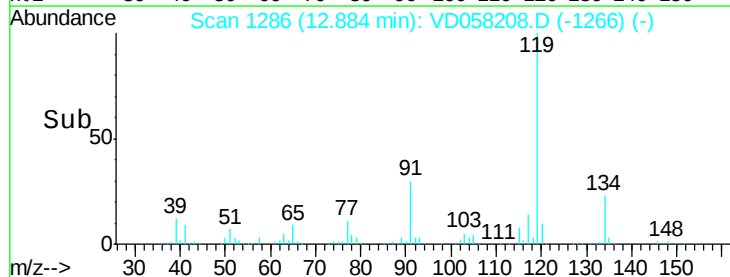
Tgt Ion:119 Resp: 604419
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.6 34.8
 91 30.3 15.0 45.1

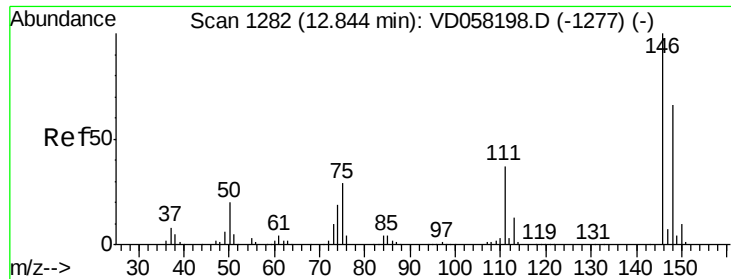


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V



Time-->

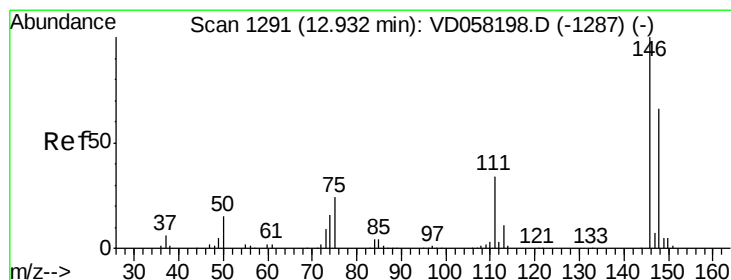
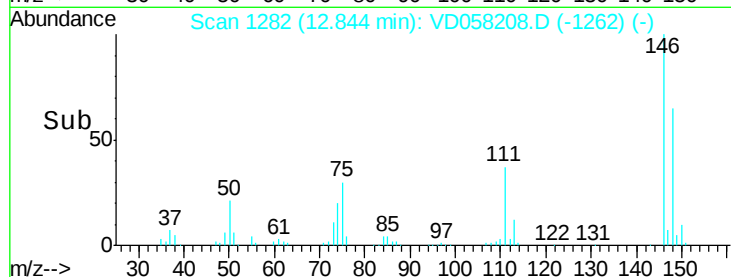
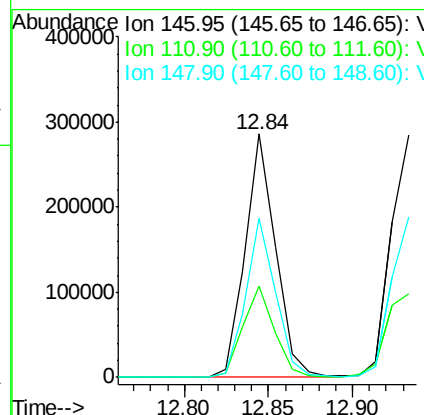
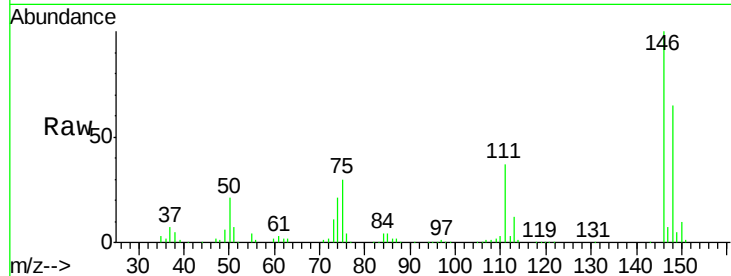




#87
 1,3-Dichlorobenzene
 Concen: 22.333 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

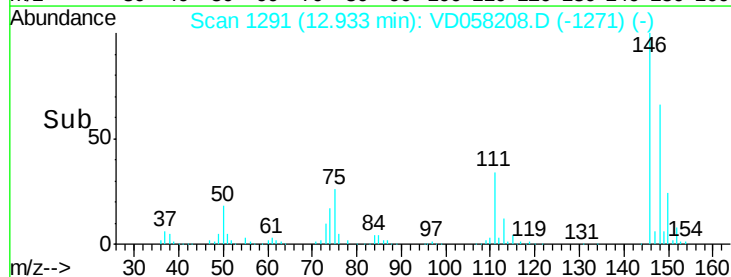
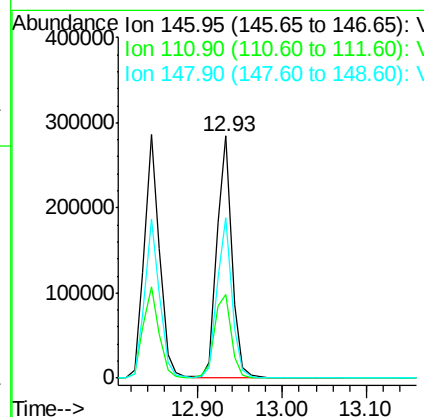
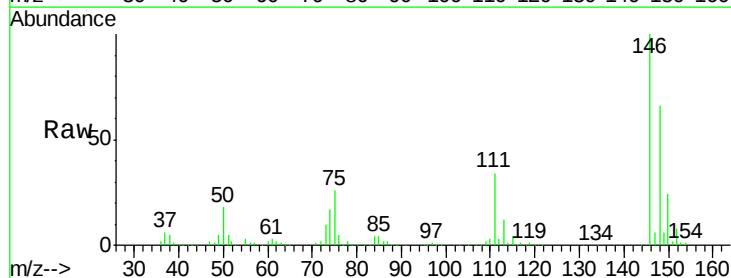
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

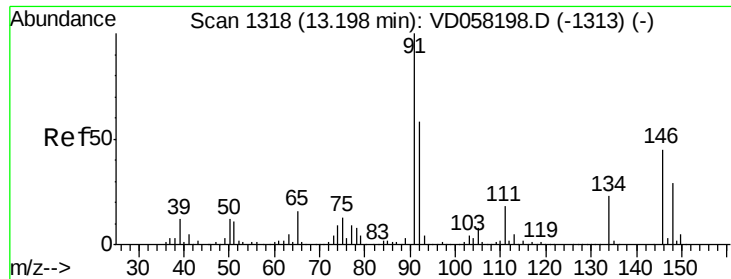
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.0
148	65.2	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.441 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	17.2	51.5
148	66.2	33.1	99.3

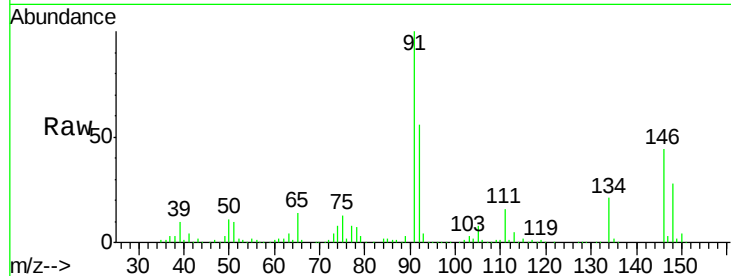




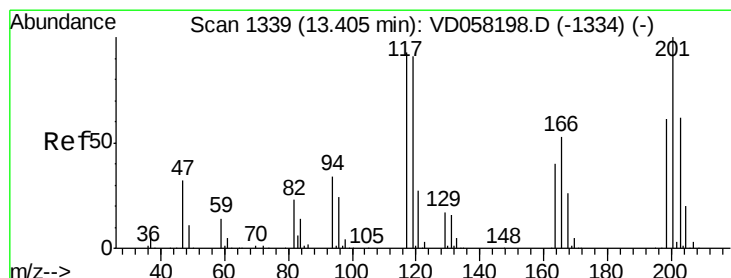
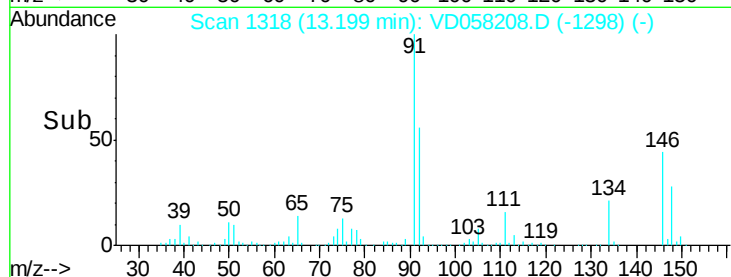
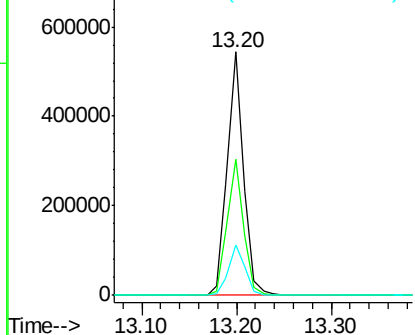
#89
n-Butylbenzene
Concen: 23.430 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Instrument :
MSVOA_D
ClientSampleId :
VD0620SBS02

Tot Ion: 91 Resp: 648715
Ion Ratio Lower Upper
91 100
92 55.7 29.2 87.6
134 20.8 11.3 33.8

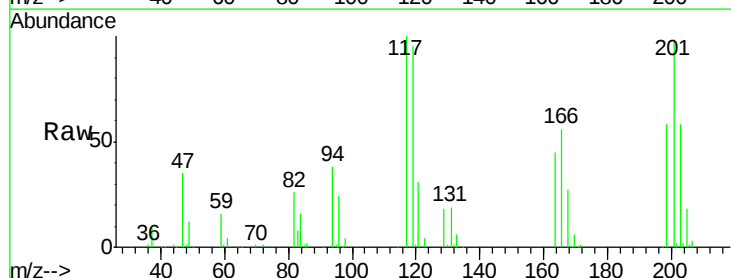


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

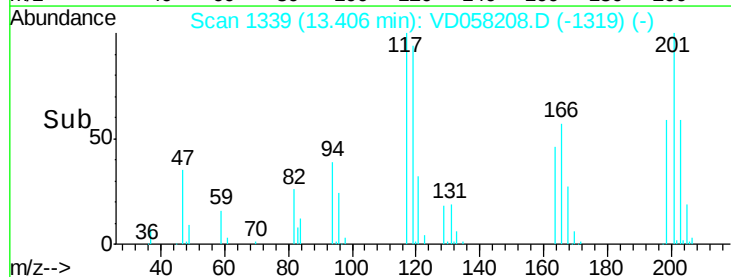
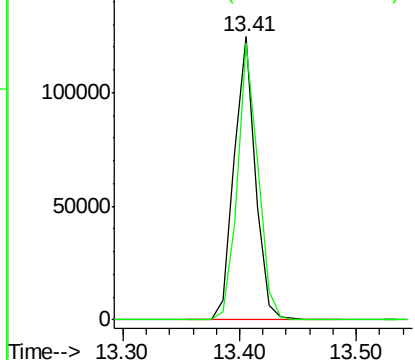


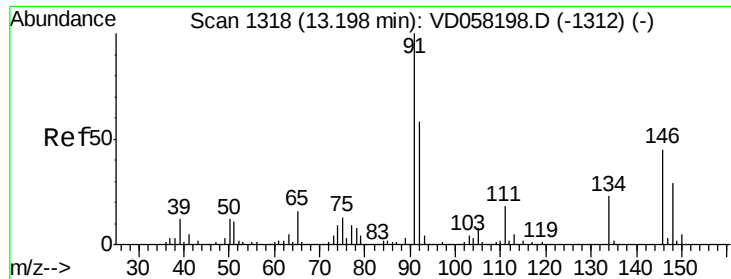
#90
Hexachloroethane
Concen: 22.963 ug/l
RT: 13.41 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058208.D
Acq: 20 Jun 2018 14:23

Tgt Ion: 117 Resp: 157016
Ion Ratio Lower Upper
117 100
201 98.0 53.8 161.4



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

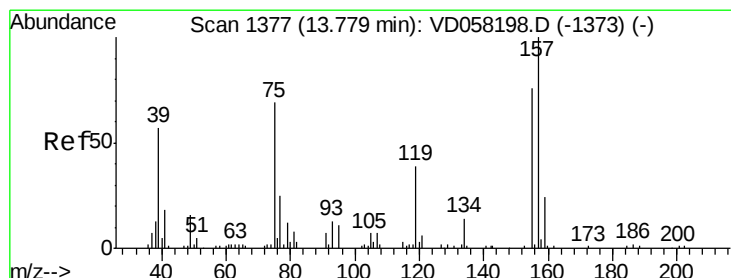
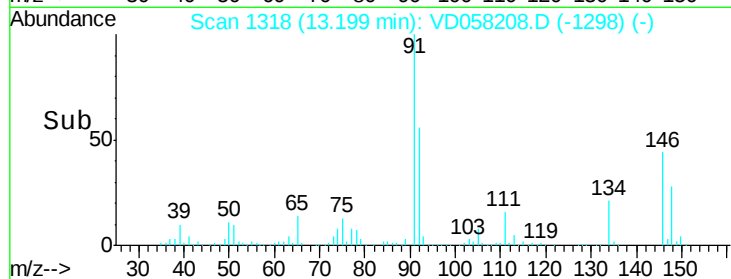
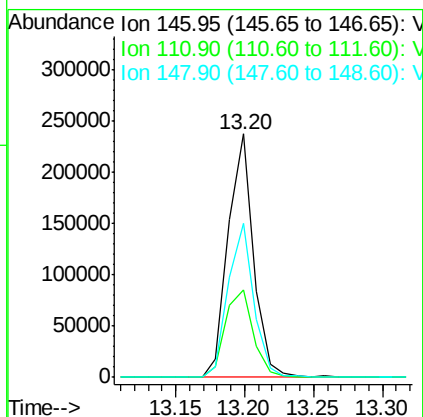
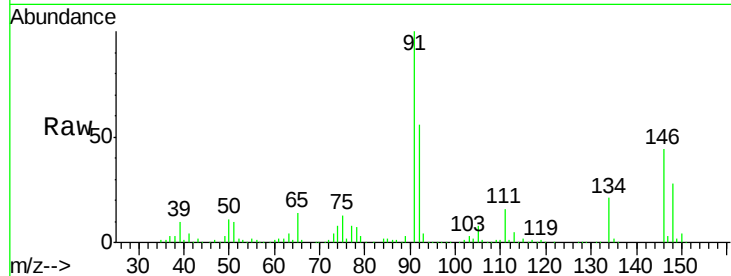




#91
 1,2-Dichlorobenzene
 Concen: 22.274 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

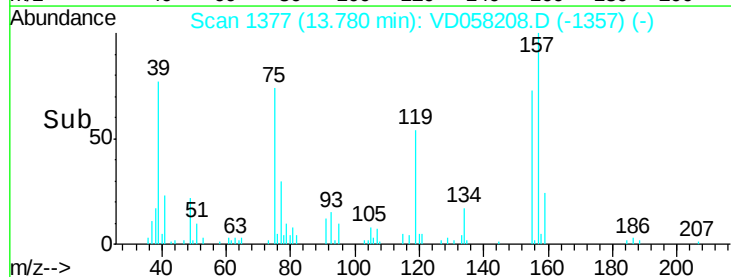
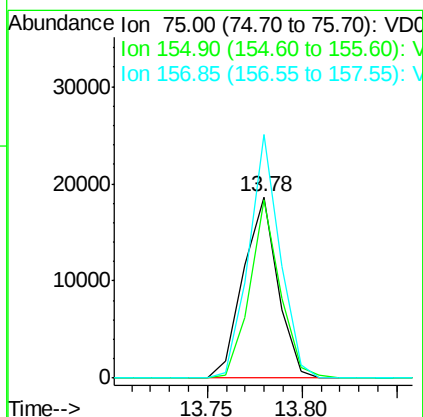
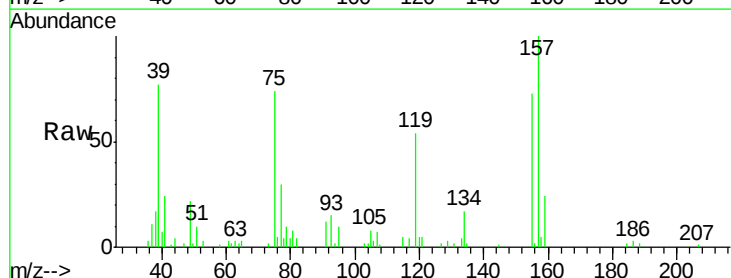
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

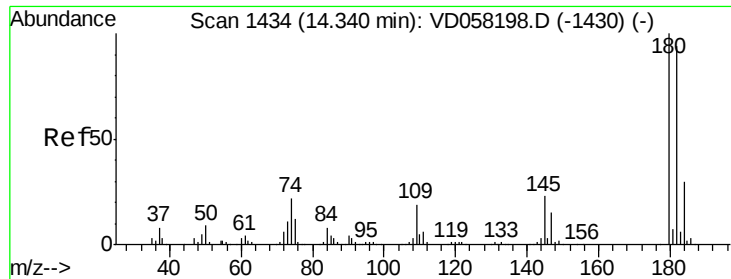
Tot Ion:146 Resp: 305124
 Ion Ratio Lower Upper
 146 100
 111 36.1 19.6 58.7
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.584 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion: 75 Resp: 23579
 Ion Ratio Lower Upper
 75 100
 155 98.3 54.5 163.5
 157 134.5 72.0 215.9

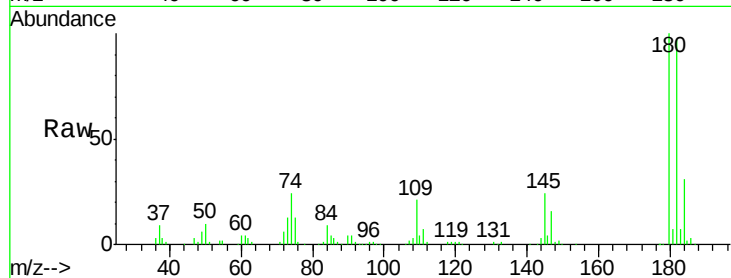




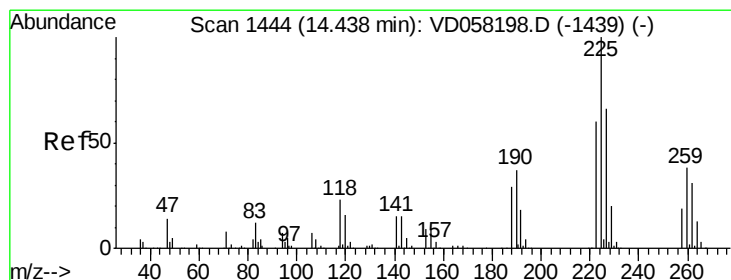
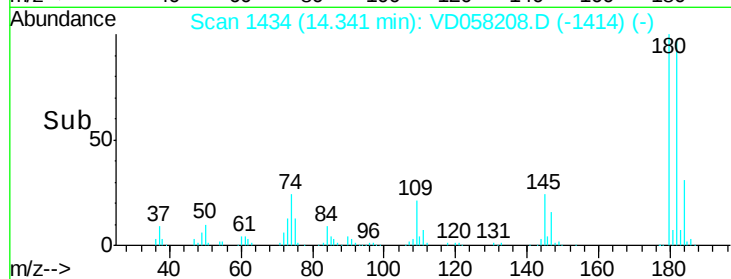
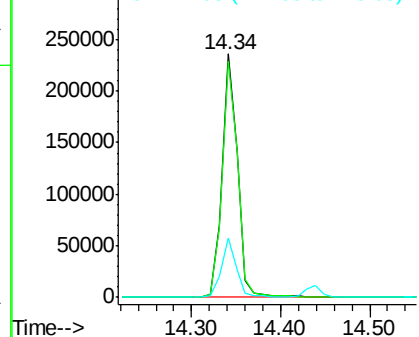
#93
 1,2,4-Trichlorobenzene
 Concen: 21.724 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.3
145	24.3	11.7	35.0

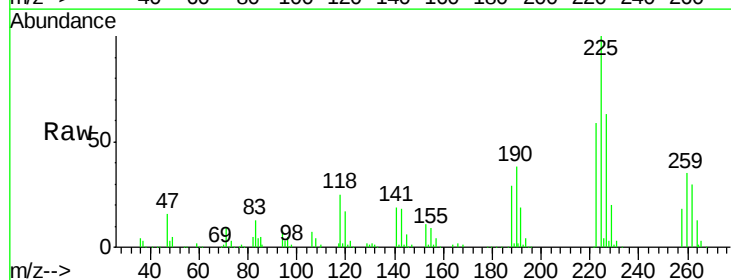


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

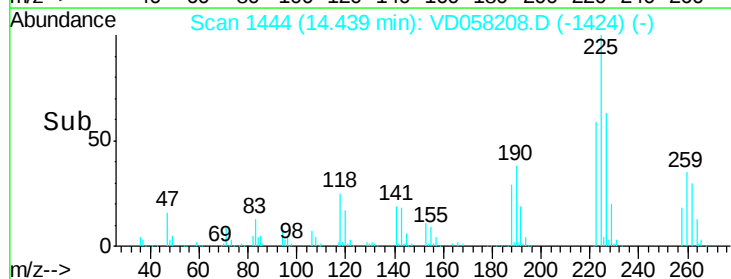
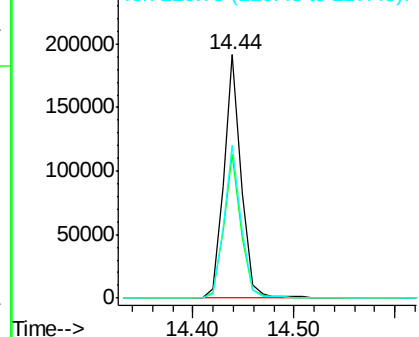


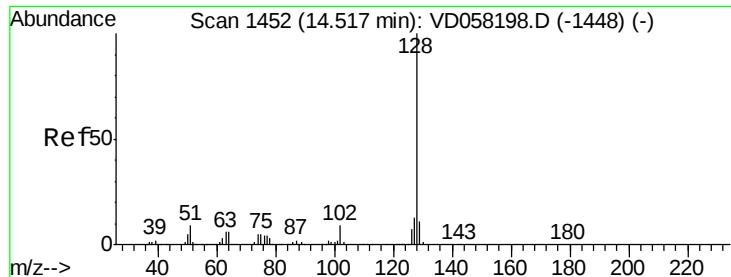
#94
 Hexachlorobutadiene
 Concen: 22.394 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058208.D
 Acq: 20 Jun 2018 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	30.1	90.3
227	62.9	33.0	98.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.123 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

Instrument :

MSVOA_D

ClientSampleId :

VD0620SBS02

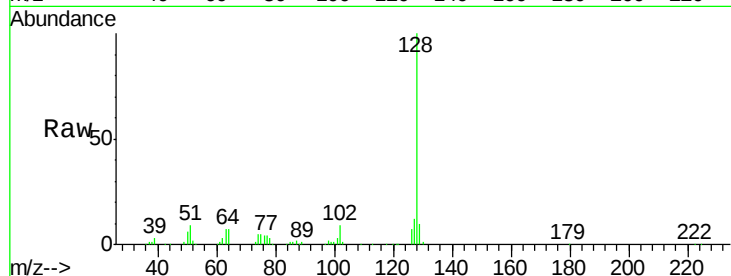
Tot Ion:128 Resp: 364542

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

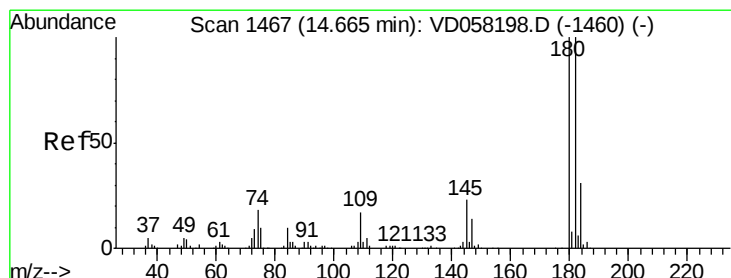
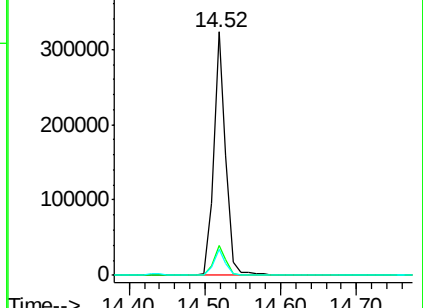
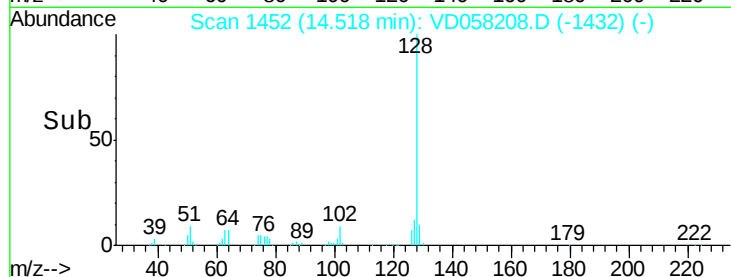
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.628 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058208.D

Acq: 20 Jun 2018 14:23

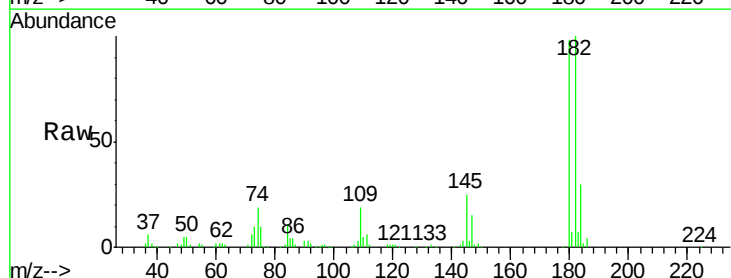
Tgt Ion:180 Resp: 236603

Ion Ratio Lower Upper

180 100

182 101.6 49.9 149.6

145 25.7 11.7 35.1



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

