

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058294.D
 Acq On : 22 Jun 2018 13:49
 Operator : VA/AP
 Sample : VD0622SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Quant Time: Jun 22 14:58:17 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	5.64	168	908325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1157076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	965587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	498615	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	487216	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	5.54	113	517410	54.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	8.70	98	1189987	52.23	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.93	95	476073	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	244548	26.87	ug/l	98
3) Chloromethane	1.48	50	104926	24.22	ug/l	90
4) Vinyl Chloride	1.55	62	101224	21.27	ug/l	98
5) Bromomethane	1.79	94	36161	20.17	ug/l	98
6) Chloroethane	1.88	64	41709	22.46	ug/l	95
7) Trichlorofluoromethane	2.08	101	154500	23.68	ug/l	93
8) Diethyl Ether	2.34	74	28108	20.37	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.56	101	97429	23.49	ug/l	91
10) Methyl Iodide	2.68	142	92236	19.55	ug/l	98
11) Tert butyl alcohol	3.27	59	24749	81.79	ug/l #	90
12) 1,1-Dichloroethene	2.55	96	69555	22.29	ug/l	97
13) Acrolein	2.47	56	16608	96.14	ug/l	97
14) Allyl chloride	2.92	41	157096	21.63	ug/l #	98
15) Acrylonitrile	3.35	53	100473	125.22	ug/l	96
16) Acetone	2.61	43	131710	104.97	ug/l #	92
17) Carbon Disulfide	2.75	76	218265	20.56	ug/l	96
18) Methyl Acetate	2.93	43	50592	18.91	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	306989	37.09	ug/l	98
20) Methylene Chloride	3.07	84	82034	22.42	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	133392	39.11	ug/l	96
22) Diisopropyl ether	4.07	45	597223	20.70	ug/l	96
23) Vinyl Acetate	4.01	43	1592084	102.96	ug/l	99
24) 1,1-Dichloroethane	3.96	63	372113	23.94	ug/l	99
25) 2-Butanone	4.83	43	267100	97.67	ug/l	97
26) 2,2-Dichloropropane	4.79	77	304611	23.41	ug/l	95
27) cis-1,2-Dichloroethene	4.80	96	201477	23.64	ug/l	97
28) Bromochloromethane	5.14	49	155067	22.26	ug/l #	93
29) Tetrahydrofuran	5.18	42	134264	92.24	ug/l	95
30) Chloroform	5.32	83	386524	23.56	ug/l	93
31) Cyclohexane	5.59	56	274239	21.30	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	302599	22.32	ug/l	95
36) 1,1-Dichloropropene	5.74	75	277715	24.26	ug/l	94
37) Ethyl Acetate	4.92	43	128198	19.66	ug/l #	93
38) Carbon Tetrachloride	5.72	117	264892	23.29	ug/l	98

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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	7.27	83	262262	23.52	ug/l	97
40) Benzene	6.01	78	622065	22.81	ug/l	97
41) Methacrylonitrile	5.13	41	62969	19.99	ug/l	96
42) 1,2-Dichloroethane	6.12	62	242688	22.07	ug/l	98
43) Isopropyl Acetate	7.62	43	167071	19.21	ug/l #	99
44) Trichloroethene	6.98	130	191390	23.38	ug/l	91
45) 1,2-Dichloropropane	7.34	63	172254	23.46	ug/l	99
46) Dibromomethane	7.46	93	110427	22.03	ug/l	92
47) Bromodichloromethane	7.73	83	257362	22.51	ug/l	99
48) Methyl methacrylate	7.50	41	94287	17.84	ug/l	89
49) 1,4-Dioxane	7.49	88	20185	423.15	ug/l #	73
51) 4-Methyl-2-Pentanone	8.59	43	570780	100.64	ug/l	99
52) Toluene	8.80	92	352211	22.69	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	210945	21.22	ug/l	94
54) cis-1,3-Dichloropropene	8.35	75	264553	22.71	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	119514	21.76	ug/l	98
56) Ethyl methacrylate	9.31	69	137127	20.87	ug/l	89
57) 1,3-Dichloropropane	9.66	76	199848	21.60	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	368118	113.19	ug/l	100
59) 2-Hexanone	9.78	43	429612	104.83	ug/l	98
60) Dibromochloromethane	9.96	129	159701	21.42	ug/l	97
61) 1,2-Dibromoethane	10.09	107	130830	21.76	ug/l	99
64) Tetrachloroethene	9.51	164	181751	22.37	ug/l	96
65) Chlorobenzene	10.72	112	403321	22.33	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	156521	22.46	ug/l	98
67) Ethyl Benzene	10.85	91	730054	22.90	ug/l	99
68) m/p-Xylenes	11.01	106	480644	45.20	ug/l	97
69) o-Xylene	11.41	106	231299	22.77	ug/l	95
70) Styrene	11.43	104	399872	23.07	ug/l	98
71) Bromoform	11.59	173	106567	19.17	ug/l #	96
73) Isopropylbenzene	11.77	105	655439	21.98	ug/l	99
74) N-amyl acetate	11.64	43	216080	18.74	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	139577	20.11	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	148981	20.46	ug/l	99
77) Bromobenzene	12.04	156	198867	22.27	ug/l	80
78) n-propylbenzene	12.15	91	897593	23.30	ug/l	100
79) 2-Chlorotoluene	12.21	91	491009	22.28	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	504148	21.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	31182	17.56	ug/l	96
82) 4-Chlorotoluene	12.32	91	551648	22.72	ug/l	93
83) tert-Butylbenzene	12.58	119	597952	22.36	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	532325	21.05	ug/l	99
85) sec-Butylbenzene	12.75	105	716852	22.87	ug/l	97
86) p-Isopropyltoluene	12.88	119	594239	23.39	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	347484	22.39	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	342802	22.61	ug/l	94
89) n-Butylbenzene	13.19	91	613231	22.97	ug/l	95
90) Hexachloroethane	13.39	117	146611	22.24	ug/l	66
91) 1,2-Dichlorobenzene	13.19	146	287732	21.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21178	19.17	ug/l	66

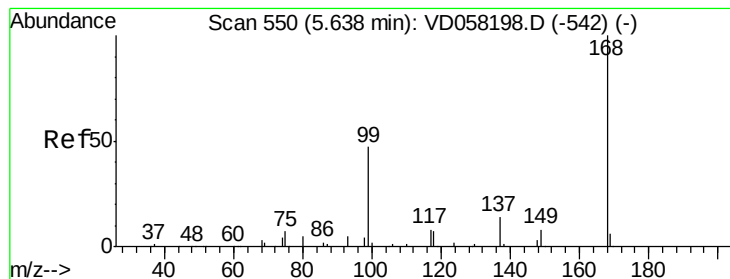
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	272502	21.57	ug/l	95
94) Hexachlorobutadiene	14.44	225	211597	21.41	ug/l	98
95) Naphthalene	14.52	128	335658	20.17	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	227955	20.61	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

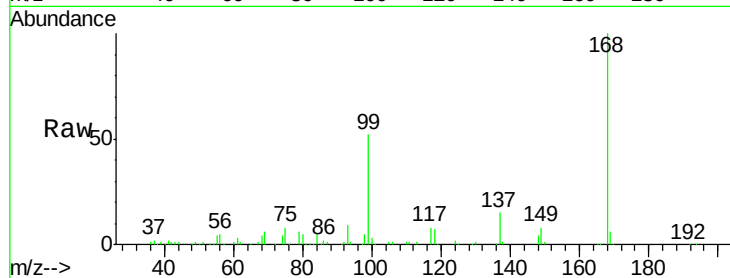
VD0622SBS01

Tot Ion:168 Resp: 908325

Ion Ratio Lower Upper

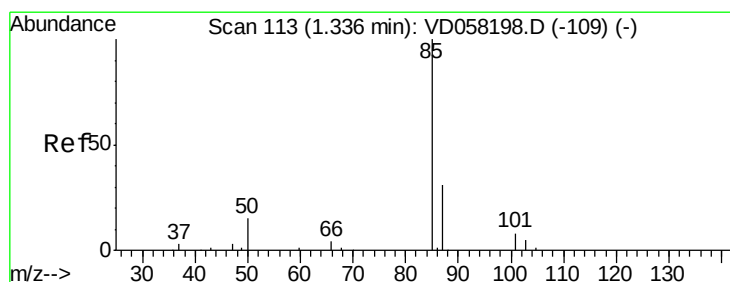
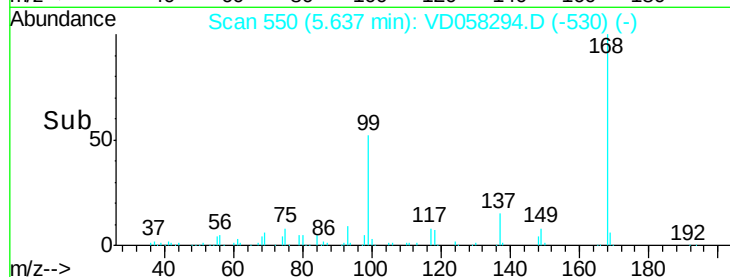
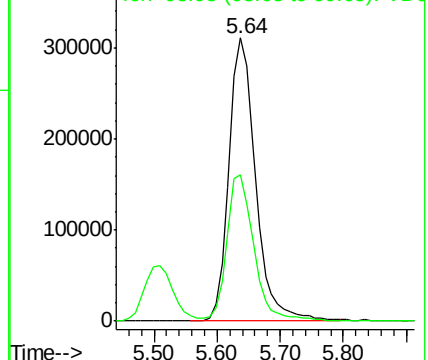
168 100

99 51.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 26.87 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058294.D

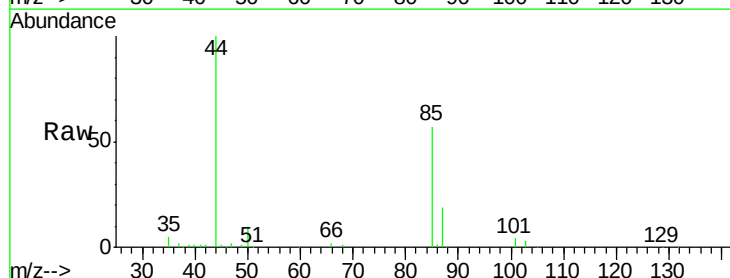
Acq: 22 Jun 2018 13:49

Tgt Ion: 85 Resp: 244548

Ion Ratio Lower Upper

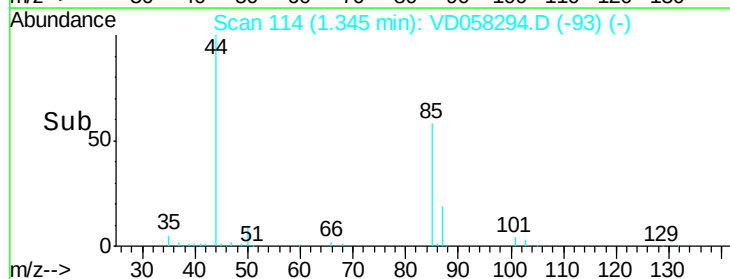
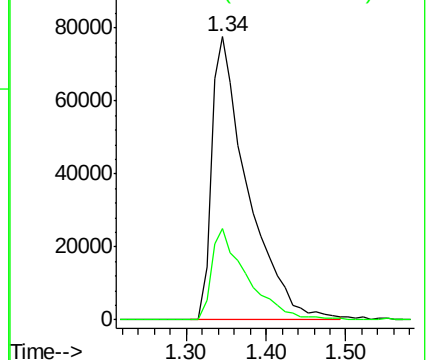
85 100

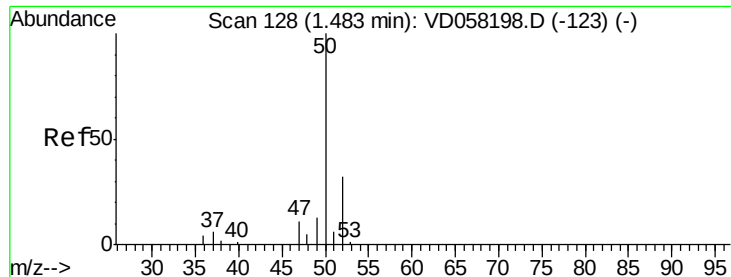
87 32.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.22 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

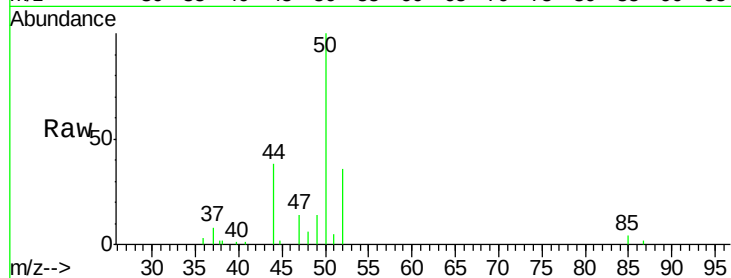
VD0622SBS01

Tot Ion: 50 Resp: 104926

Ion Ratio Lower Upper

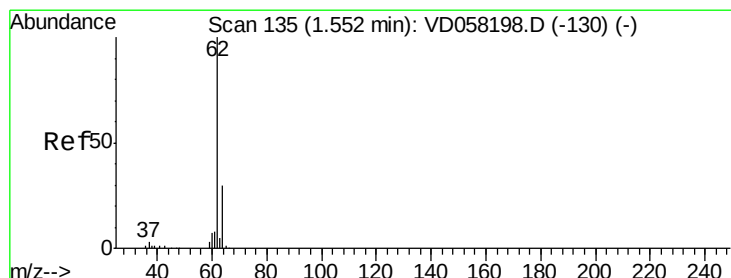
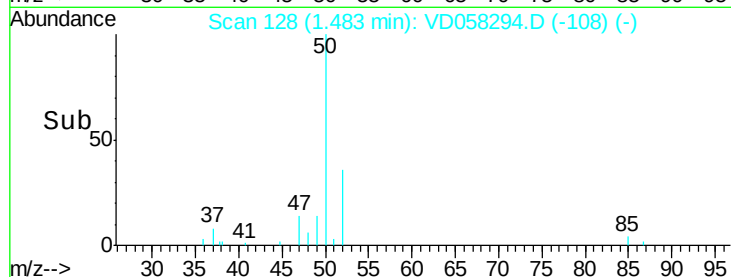
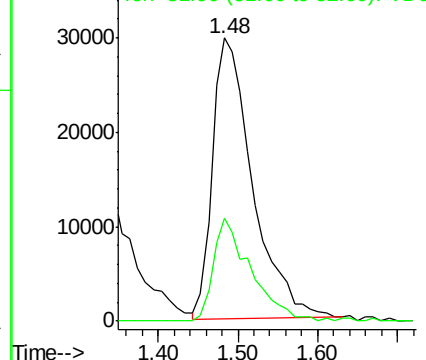
50 100

52 36.4 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: 21.27 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058294.D

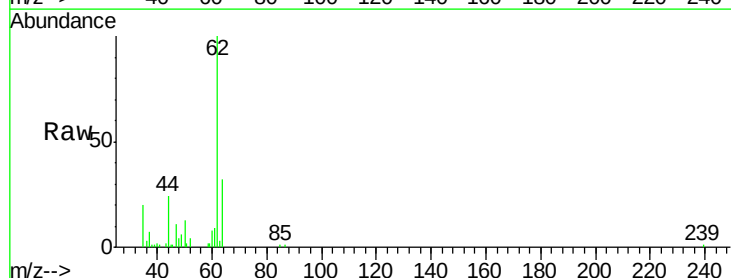
Acq: 22 Jun 2018 13:49

Tgt Ion: 62 Resp: 101224

Ion Ratio Lower Upper

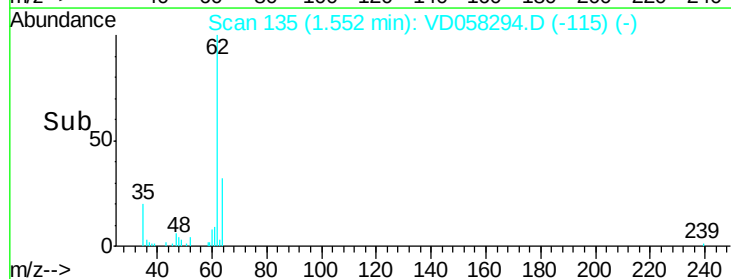
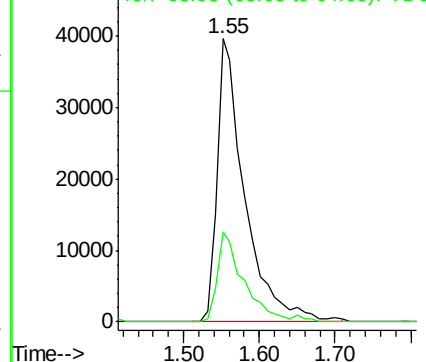
62 100

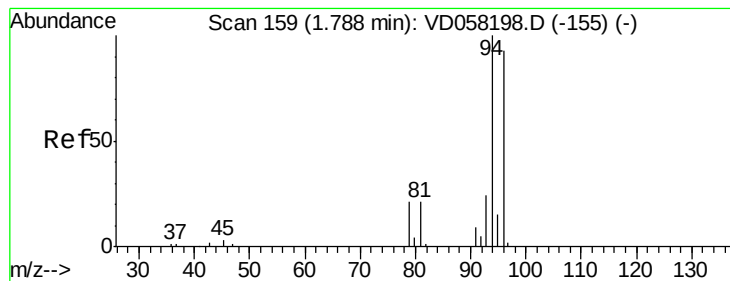
64 31.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.17 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

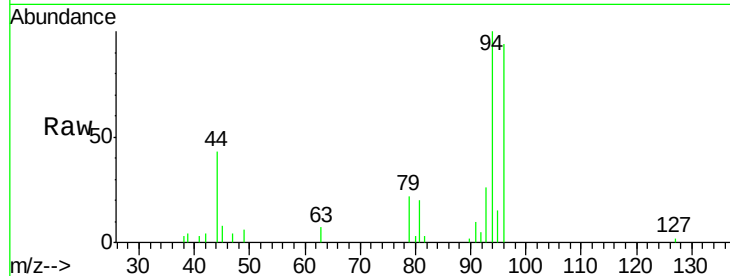
VD0622SBS01

Tot Ion: 94 Resp: 36161

Ion Ratio Lower Upper

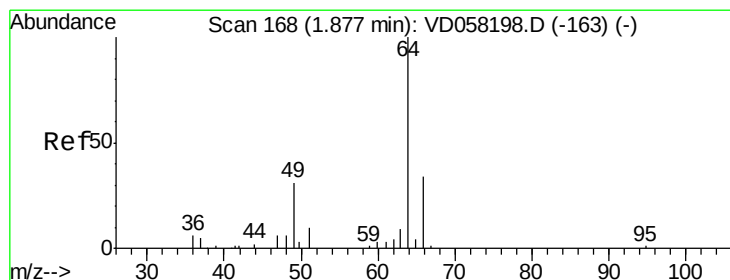
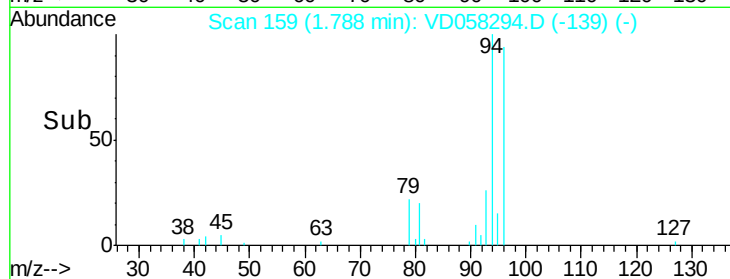
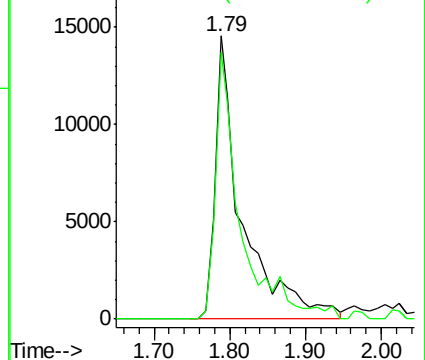
94 100

96 94.3 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: 22.46 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD058294.D

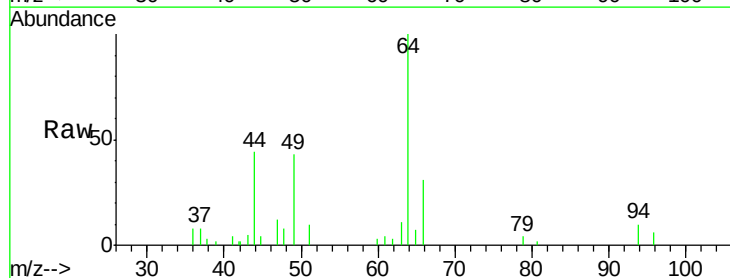
Acq: 22 Jun 2018 13:49

Tgt Ion: 64 Resp: 41709

Ion Ratio Lower Upper

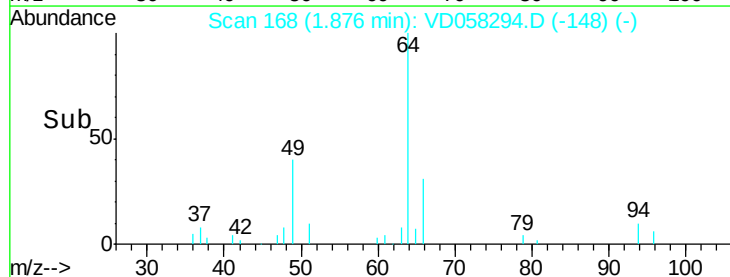
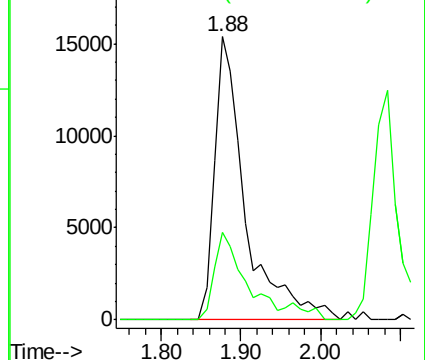
64 100

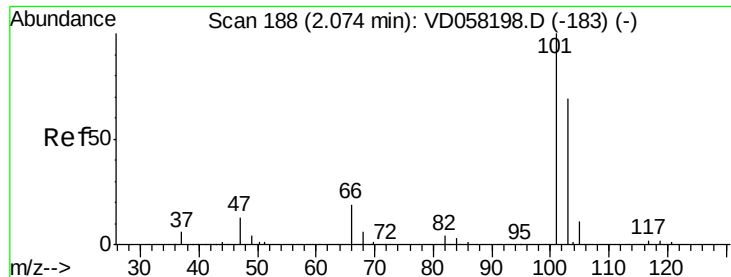
66 31.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



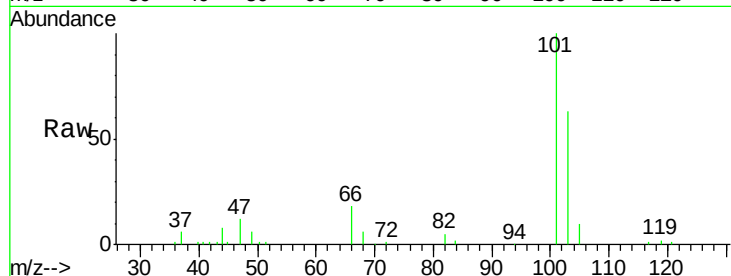


#7

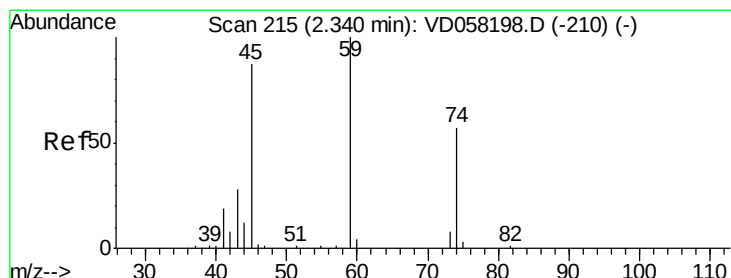
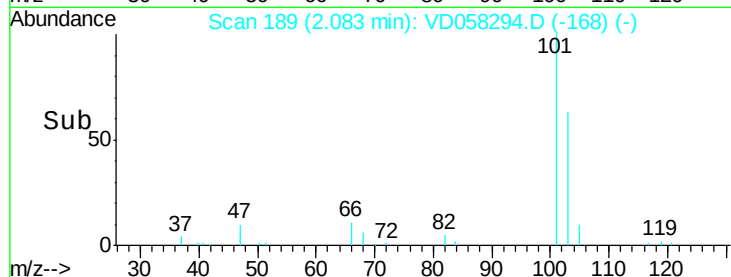
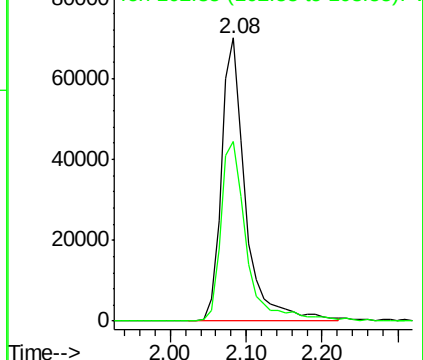
Trichlorofluoromethane
 Concen: 23.68 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion:101 Resp: 154500
 Ion Ratio Lower Upper
 101 100
 103 63.4 55.1 82.7



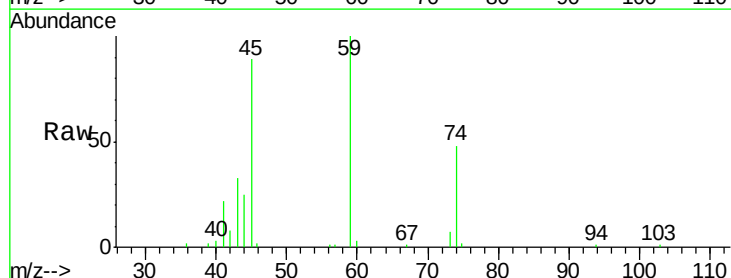
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



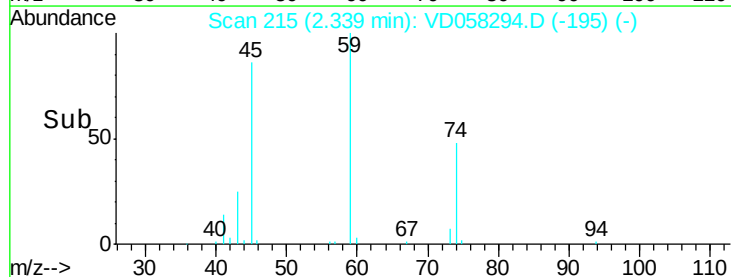
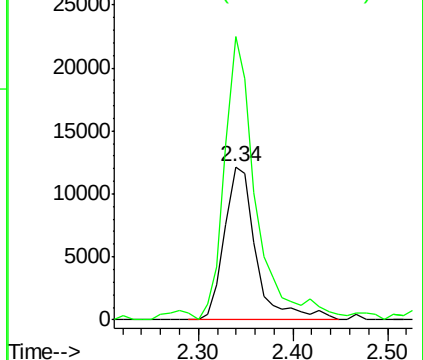
#8

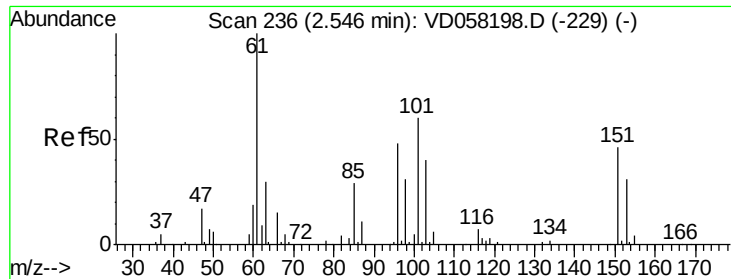
Diethyl Ether
 Concen: 20.37 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion: 74 Resp: 28108
 Ion Ratio Lower Upper
 74 100
 45 185.2 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: 23.49 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

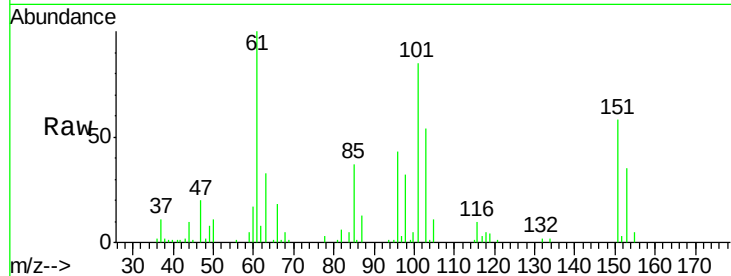
Tot Ion:101 Resp: 97429

Ion Ratio Lower Upper

101 100

85 43.6 39.0 58.4

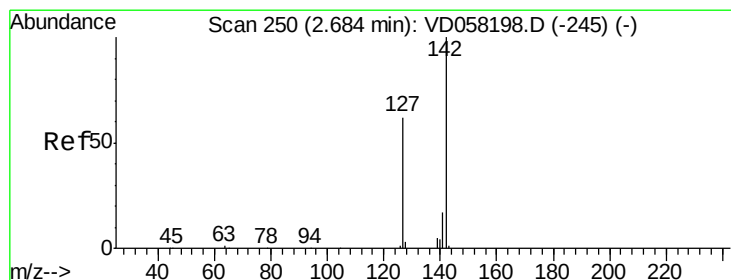
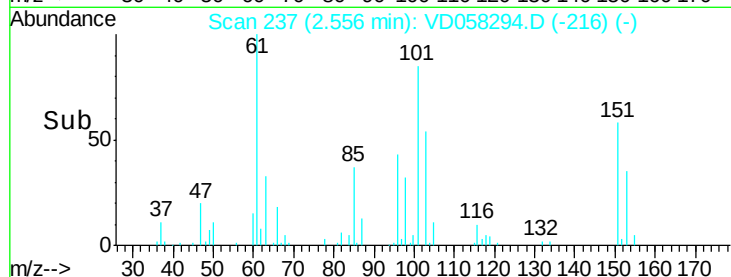
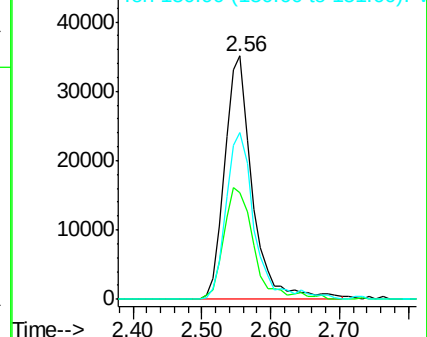
151 68.7 61.8 92.8



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: 19.55 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

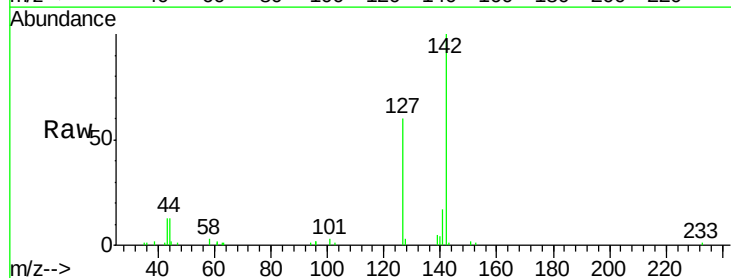
Tgt Ion:142 Resp: 92236

Ion Ratio Lower Upper

142 100

127 59.8 49.4 74.0

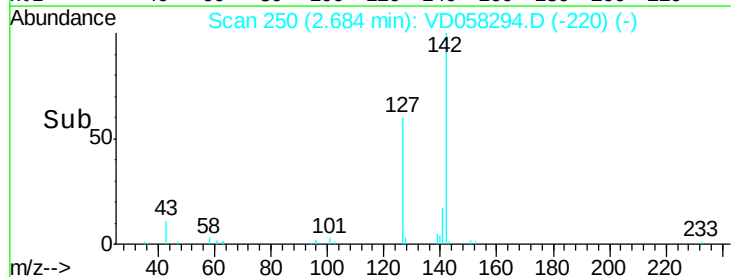
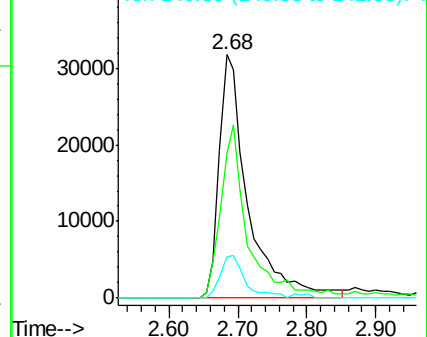
141 17.0 13.5 20.3

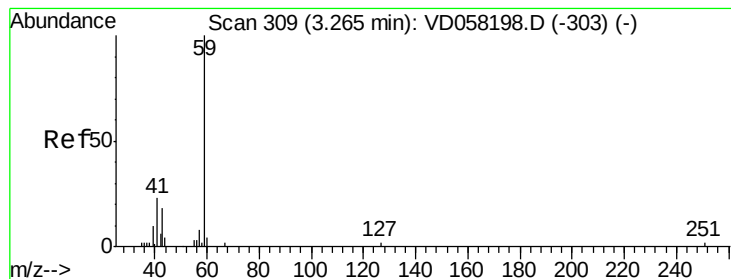


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 81.79 ug/l

RT: 3.27 min Scan# 310

Delta R.T. 0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

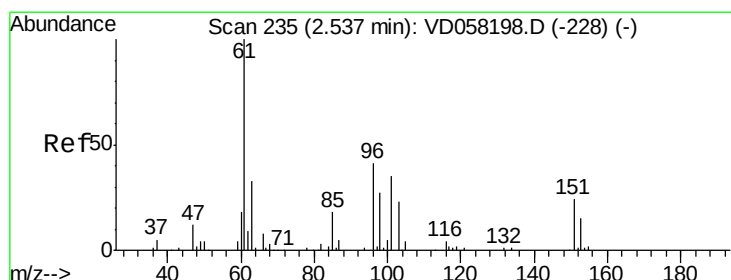
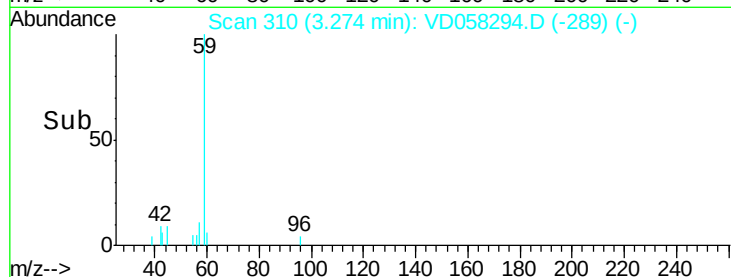
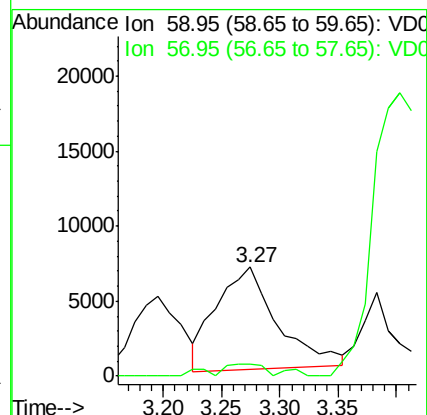
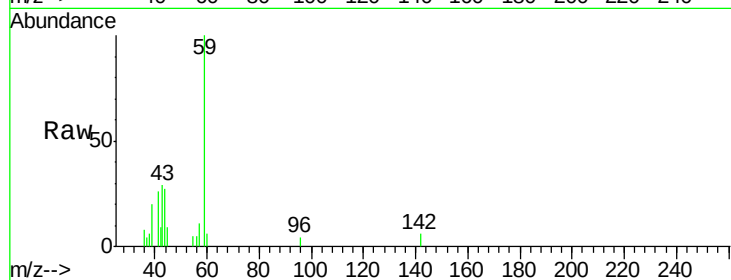
VD0622SBS01

Tot Ion: 59 Resp: 24749

Ion Ratio Lower Upper

59 100

57 11.2 6.2 9.4#



#12

1,1-Dichloroethene

Concen: 22.29 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

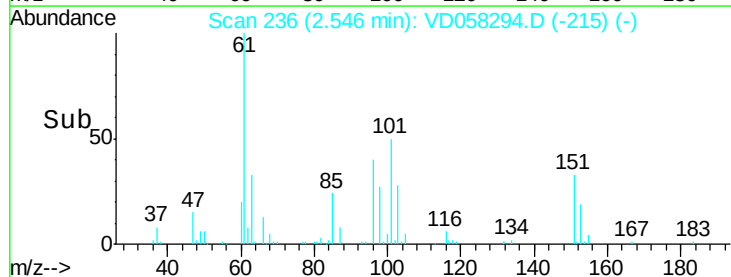
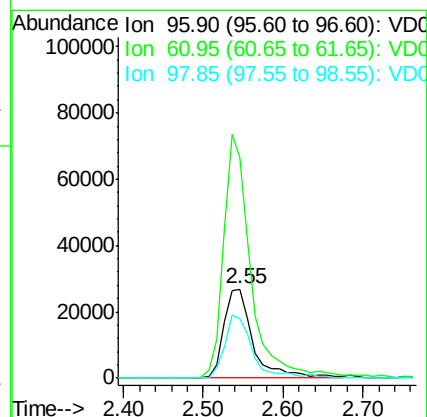
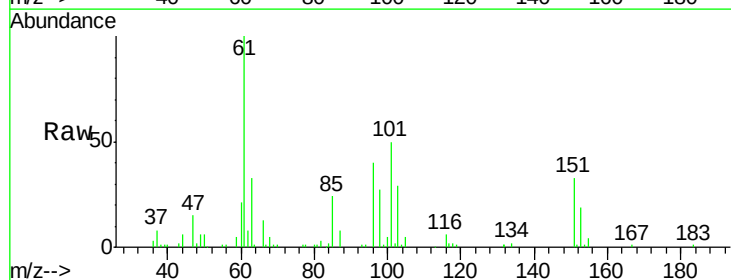
Tgt Ion: 96 Resp: 69555

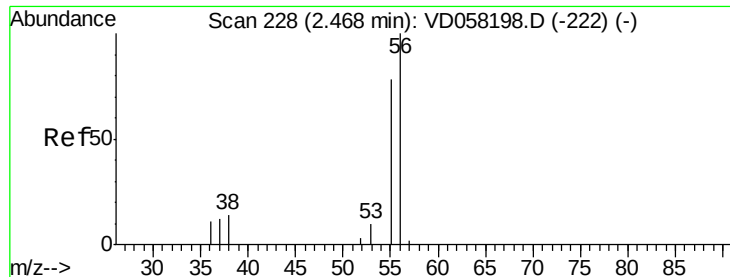
Ion Ratio Lower Upper

96 100

61 247.4 193.9 290.9

98 66.3 51.7 77.5





#13

Acrolein

Concen: 96.14 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

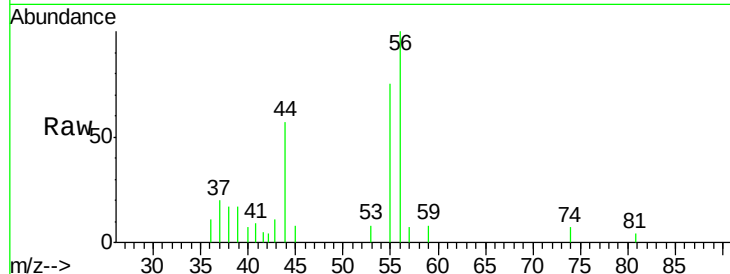
VD0622SBS01

Tot Ion: 56 Resp: 16608

Ion Ratio Lower Upper

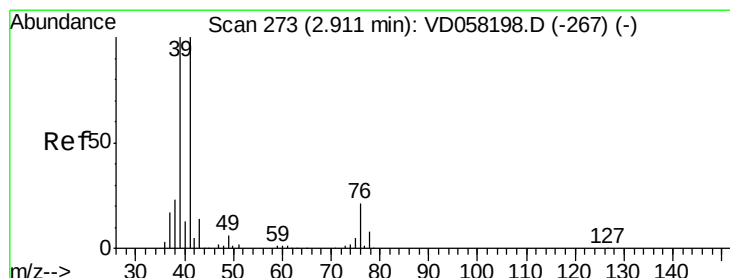
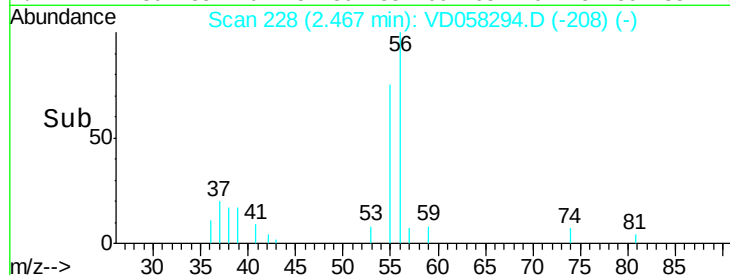
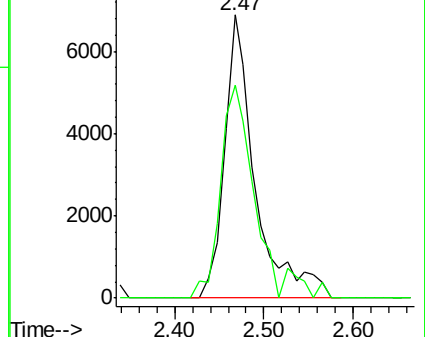
56 100

55 75.0 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: 21.63 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

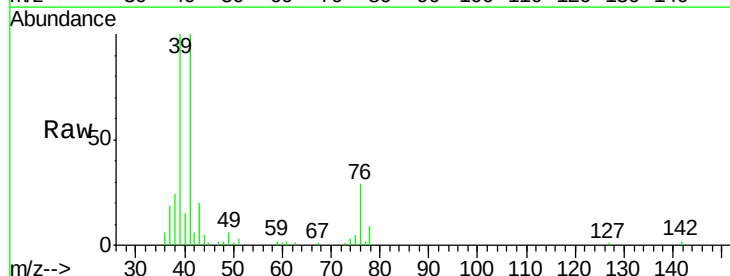
Tgt Ion: 41 Resp: 157096

Ion Ratio Lower Upper

41 100

39 99.6 80.1 120.1

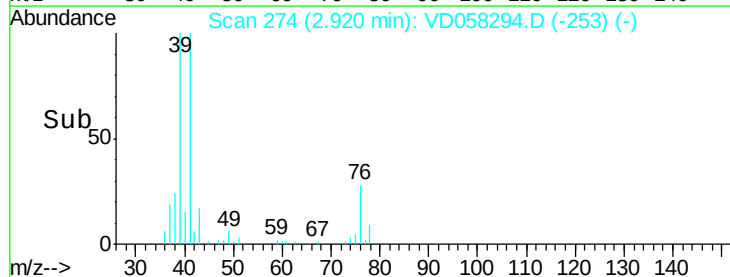
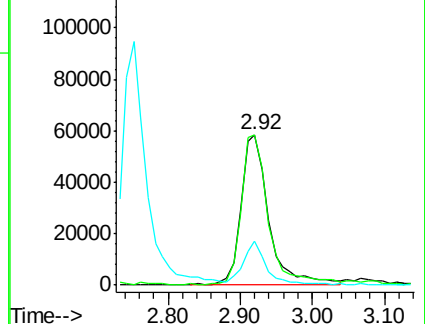
76 29.5 19.4 29.2#

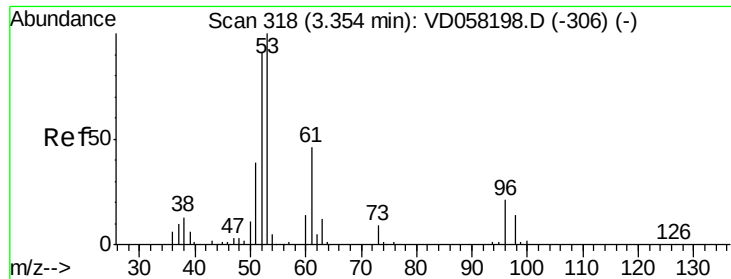


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 125.22 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

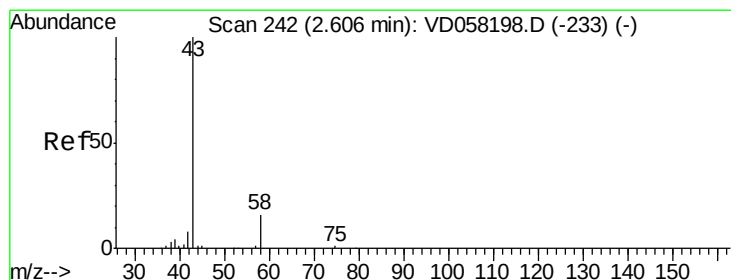
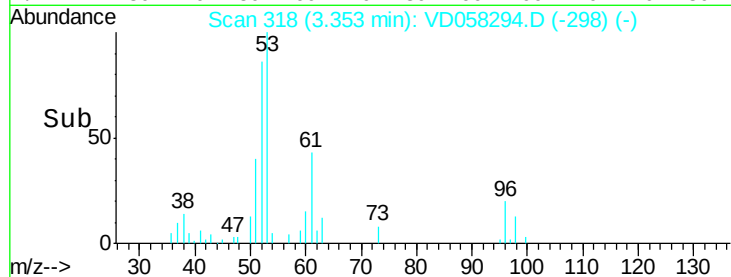
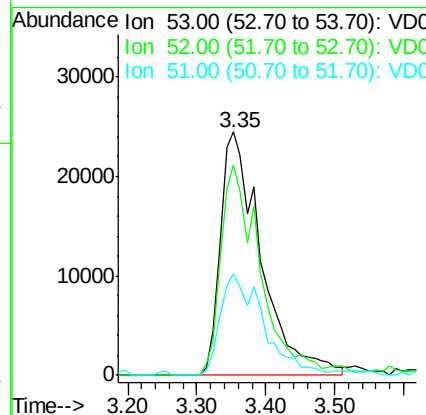
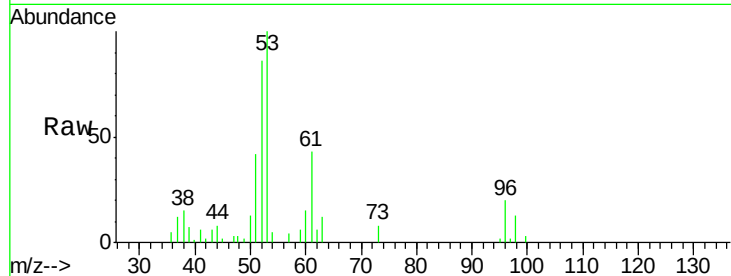
Tot Ion: 53 Resp: 100473

Ion Ratio Lower Upper

53 100

52 86.5 72.6 108.8

51 41.6 32.2 48.4



#16

Acetone

Concen: 104.97 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058294.D

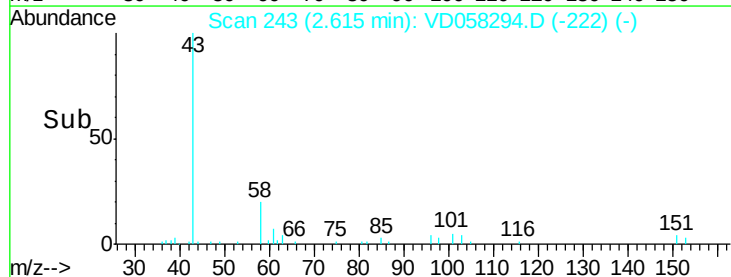
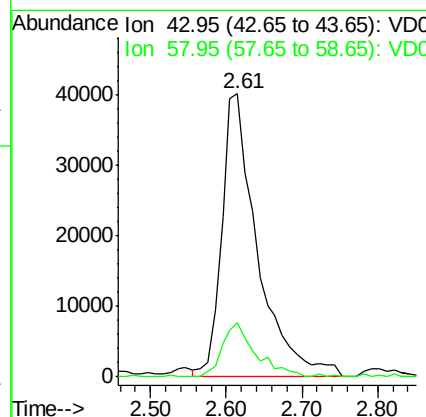
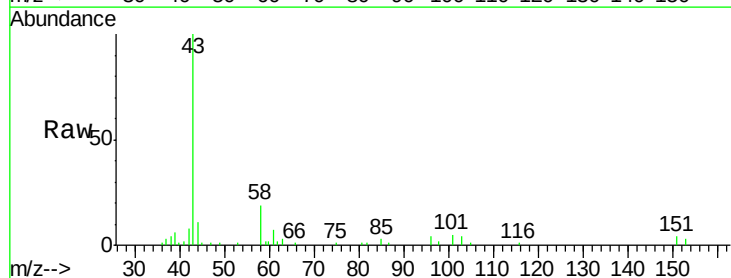
Acq: 22 Jun 2018 13:49

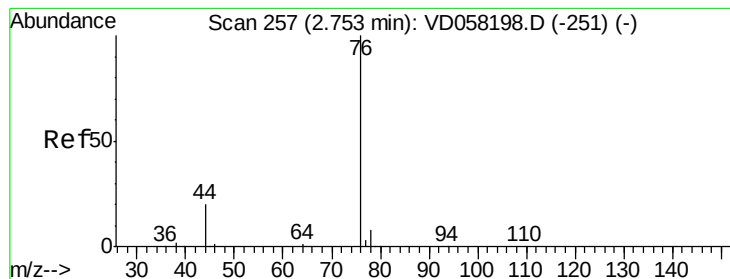
Tgt Ion: 43 Resp: 131710

Ion Ratio Lower Upper

43 100

58 19.1 12.7 19.1#





#17

Carbon Disulfide

Concen: 20.56 ug/l

RT: 2.75 min Scan# 257

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

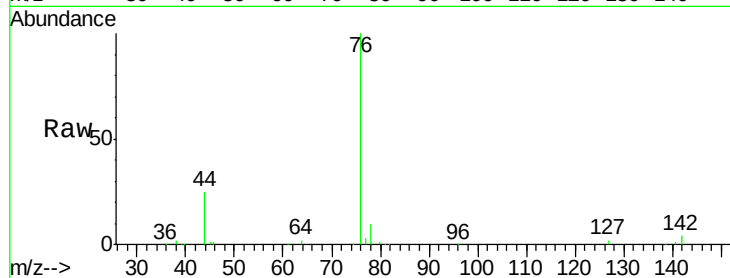
VD0622SBS01

Tot Ion: 76 Resp: 218265

Ion Ratio Lower Upper

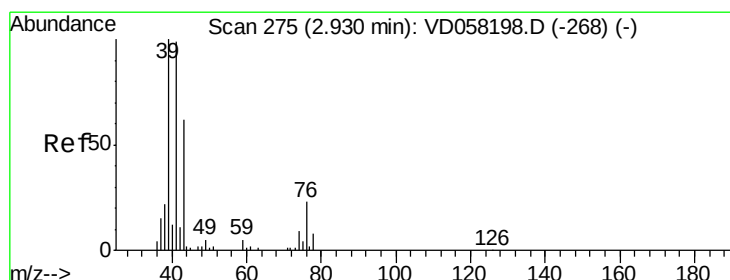
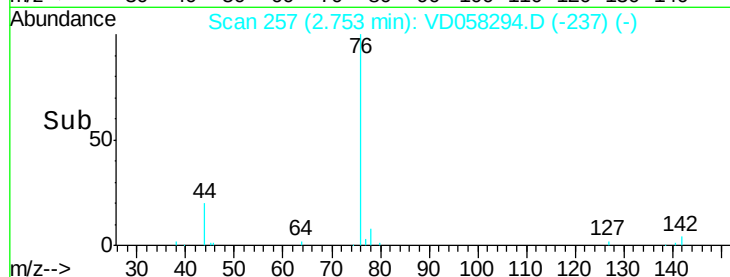
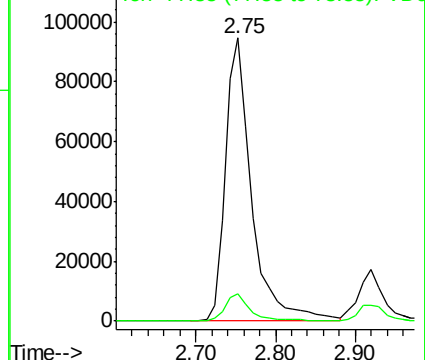
76 100

78 9.9 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: 18.91 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.00 min

Lab File: VD058294.D

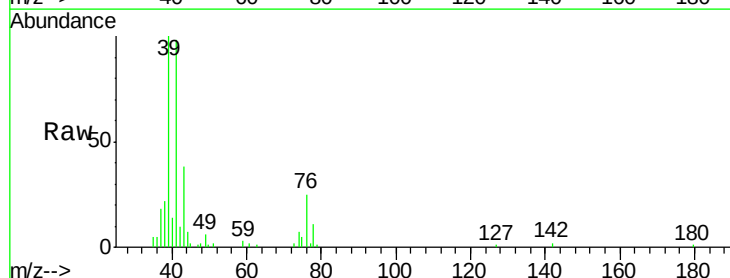
Acq: 22 Jun 2018 13:49

Tgt Ion: 43 Resp: 50592

Ion Ratio Lower Upper

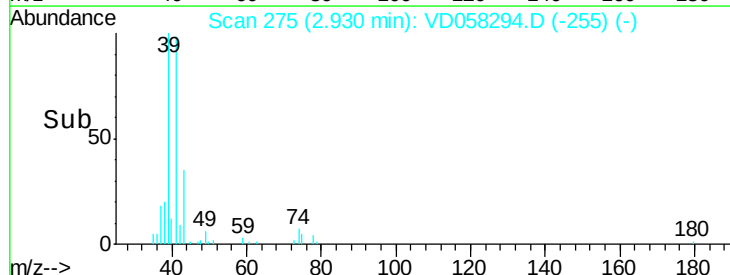
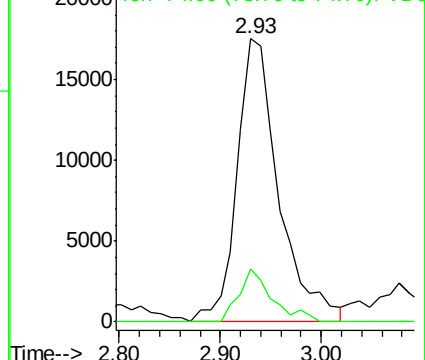
43 100

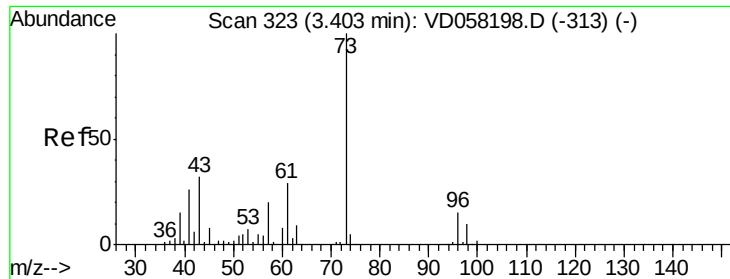
74 18.9 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

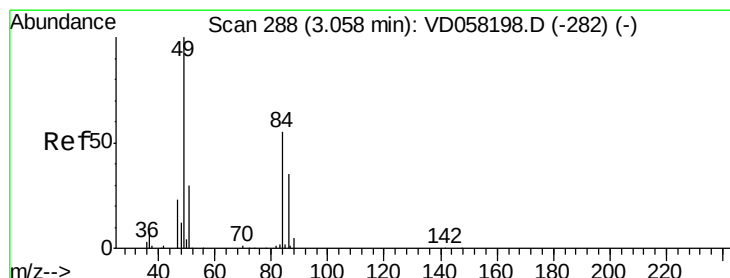
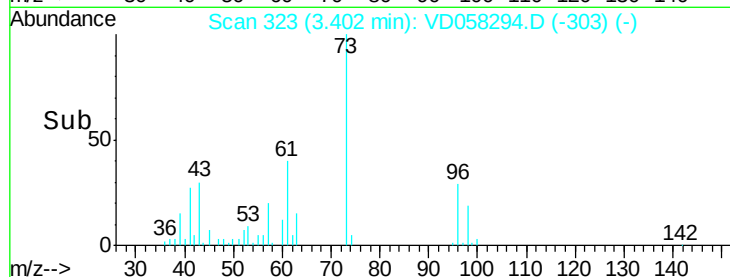
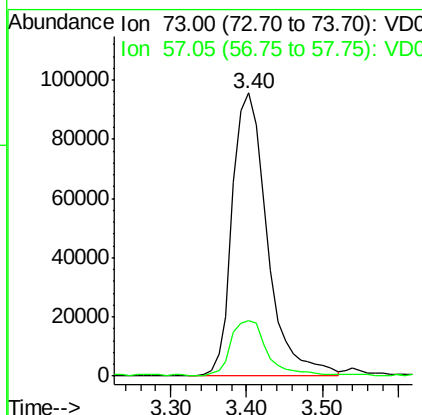
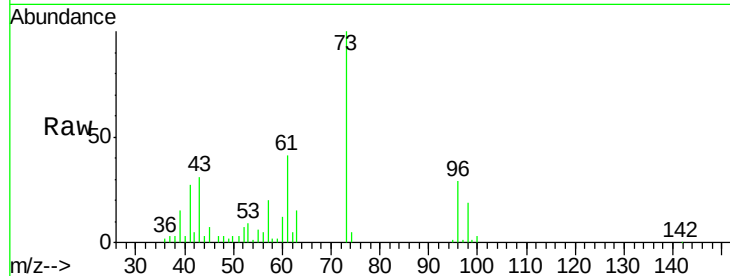




#19
Methyl tert-butyl Ether
Concen: 37.09 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

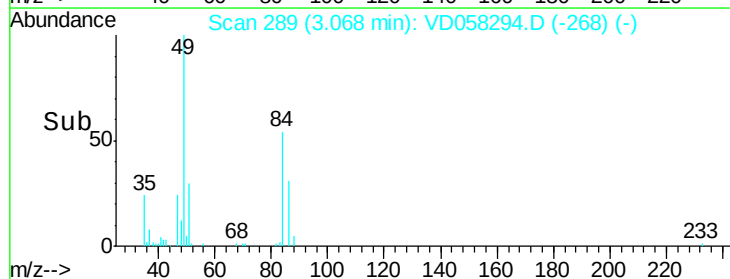
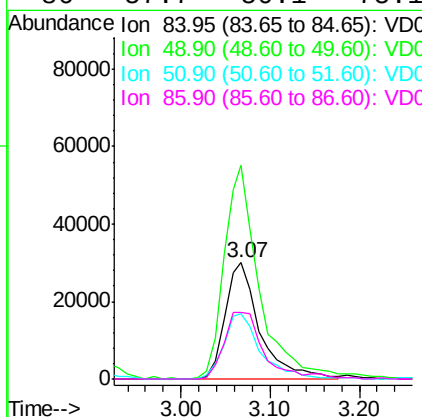
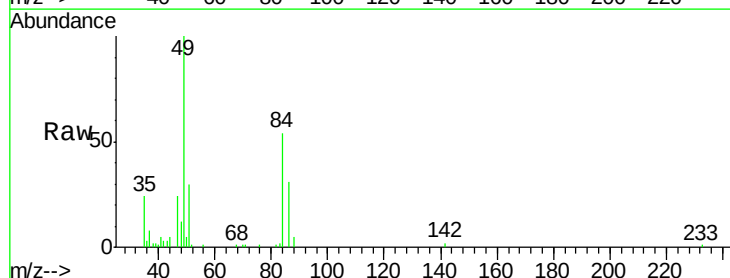
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

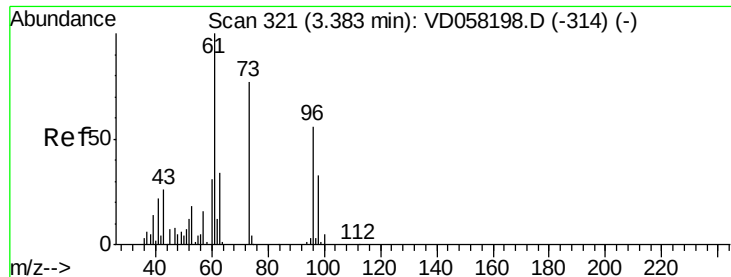
Tot Ion: 73 Resp: 306989
Ion Ratio Lower Upper
73 100
57 19.7 16.6 24.8



#20
Methylene Chloride
Concen: 22.42 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion: 84 Resp: 82034
Ion Ratio Lower Upper
84 100
49 183.6 145.0 217.6
51 55.8 42.9 64.3
86 57.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 39.11 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

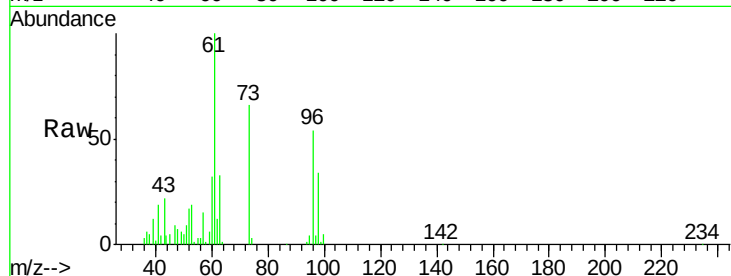
Tot Ion: 96 Resp: 133392

Ion Ratio Lower Upper

96 100

61 184.9 143.8 215.6

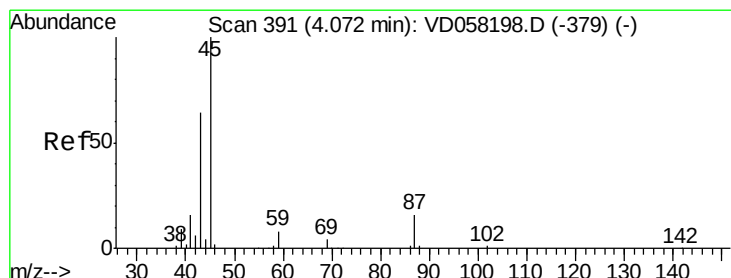
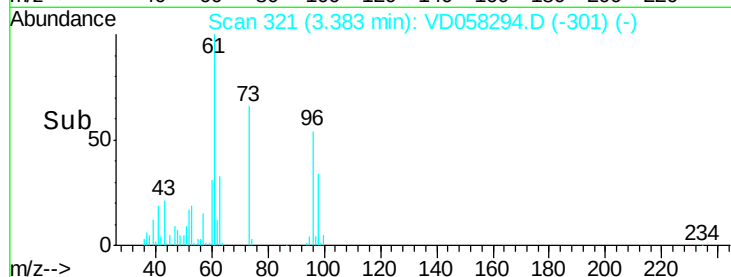
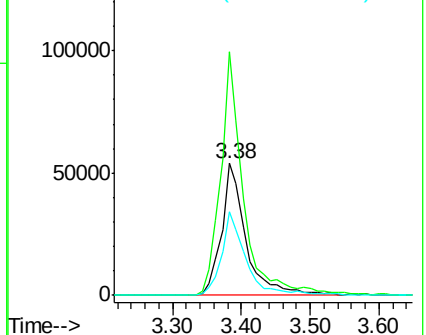
98 63.0 48.0 72.0



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: 20.70 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Tgt Ion: 45 Resp: 597223

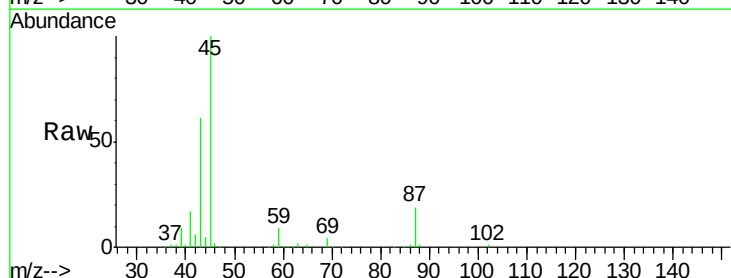
Ion Ratio Lower Upper

45 100

43 60.8 51.4 77.0

87 18.9 13.0 19.4

59 8.9 6.9 10.3

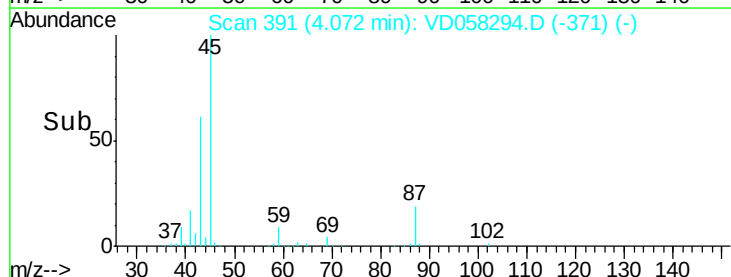
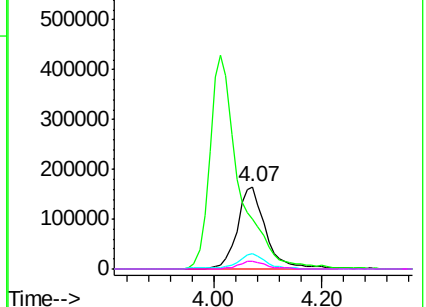


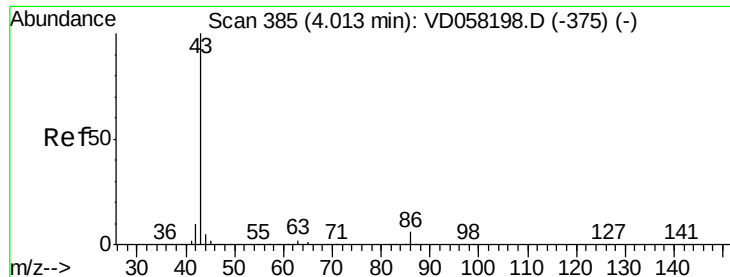
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 102.96 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

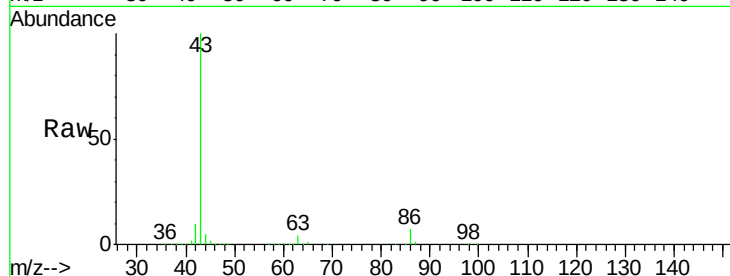
VD0622SBS01

Tot Ion: 43 Resp: 1592084

Ion Ratio Lower Upper

43 100

86 6.6 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.01

400000

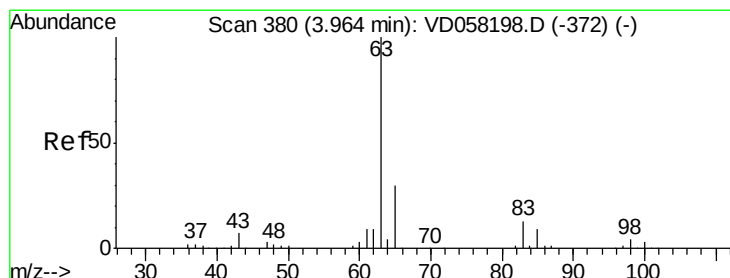
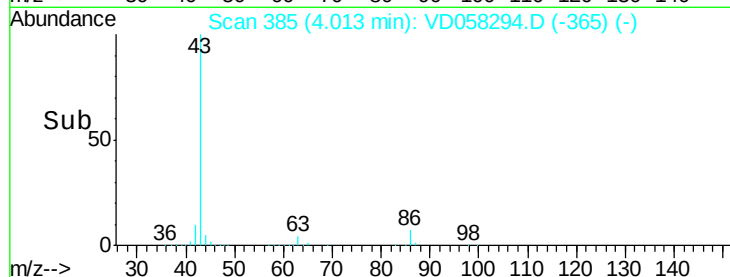
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.94 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

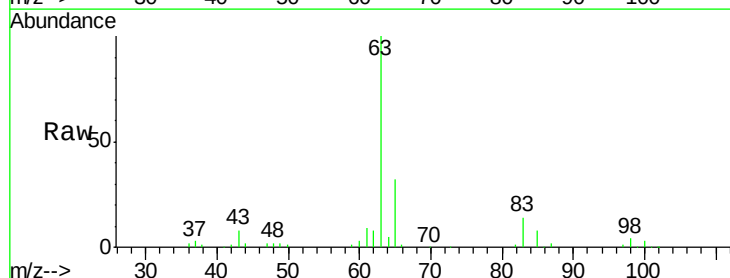
Tgt Ion: 63 Resp: 372113

Ion Ratio Lower Upper

63 100

98 4.4 1.9 5.7

100 3.0 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

3.96

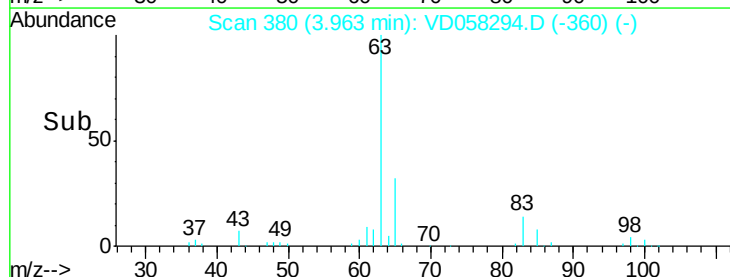
150000

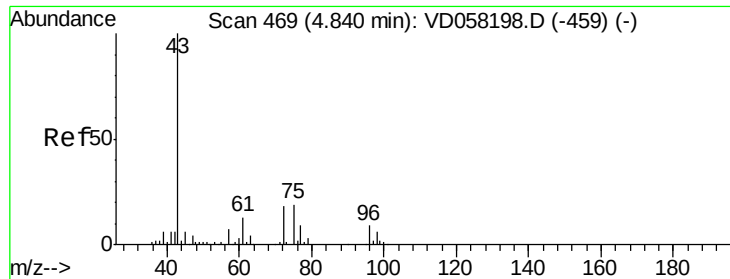
100000

50000

0

Time-->





#25

2-Butanone

Concen: 97.67 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

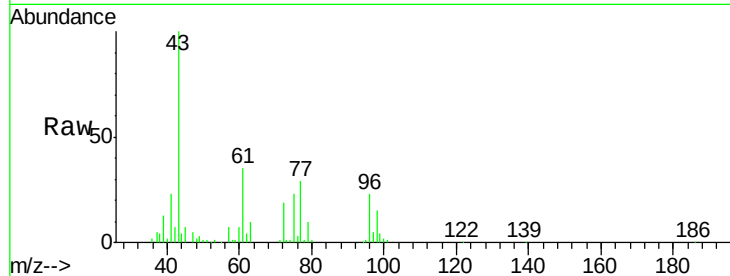
VD0622SBS01

Tot Ion: 43 Resp: 267100

Ion Ratio Lower Upper

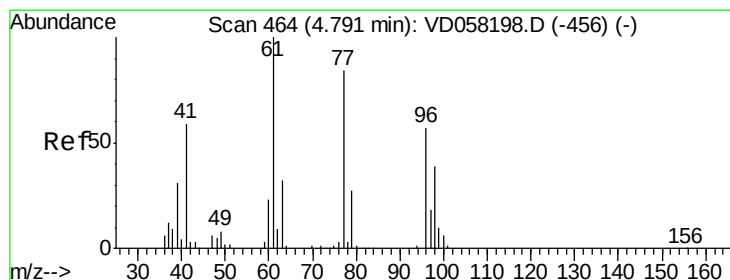
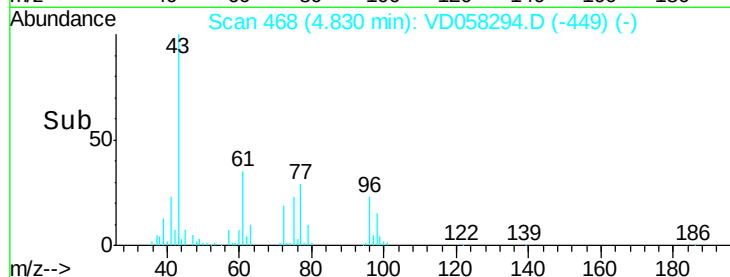
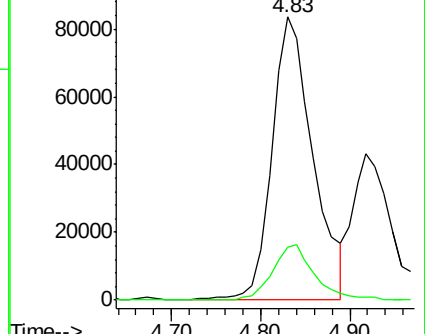
43 100

72 18.9 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: 23.41 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058294.D

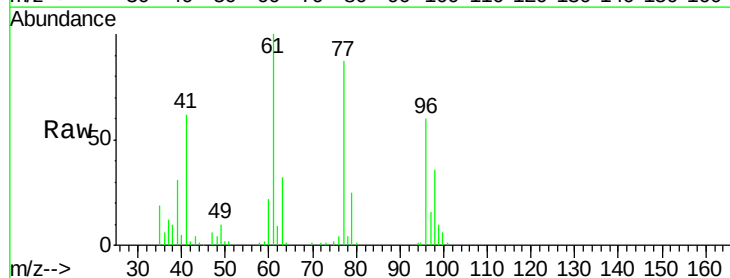
Acq: 22 Jun 2018 13:49

Tgt Ion: 77 Resp: 304611

Ion Ratio Lower Upper

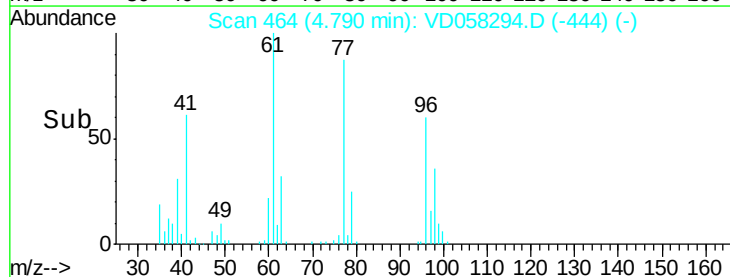
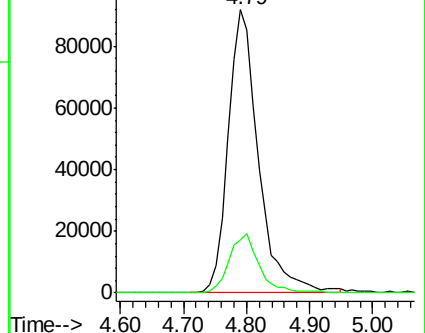
77 100

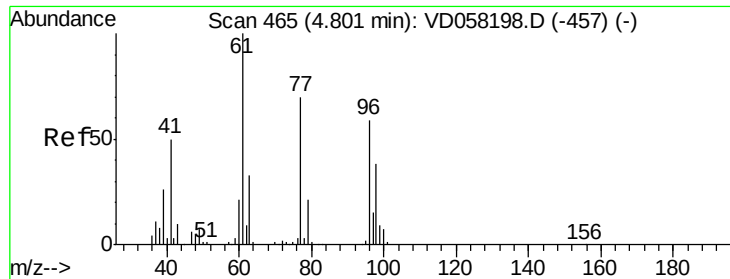
97 18.9 10.5 31.6



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: 23.64 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

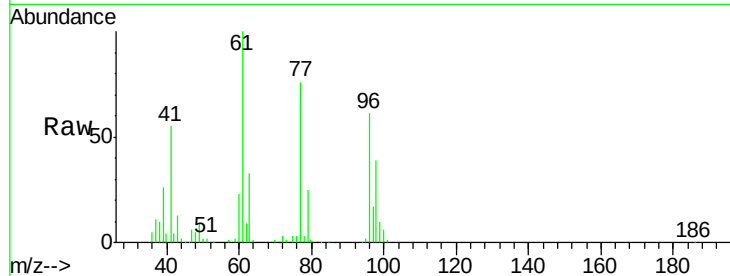
Tot Ion: 96 Resp: 201477

Ion Ratio Lower Upper

96 100

61 164.6 0.0 338.6

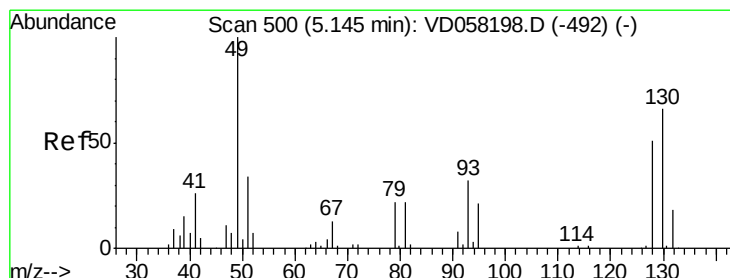
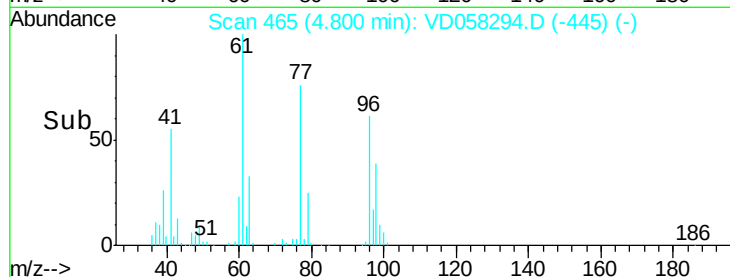
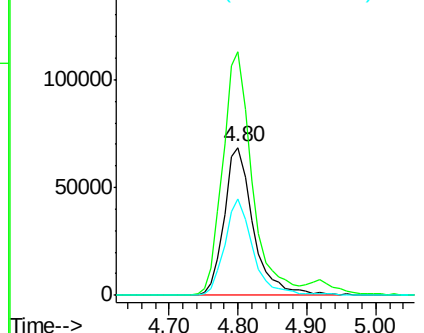
98 65.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 22.26 ug/l

RT: 5.14 min Scan# 500

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

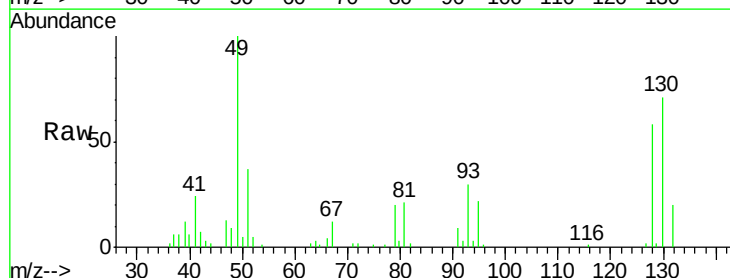
Tgt Ion: 49 Resp: 155067

Ion Ratio Lower Upper

49 100

129 1.9 0.0 0.0#

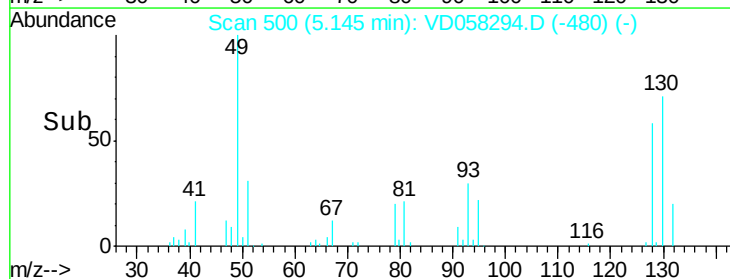
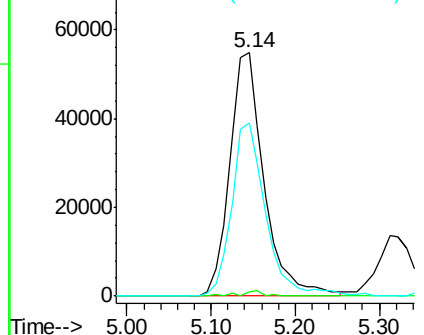
130 71.0 52.6 79.0

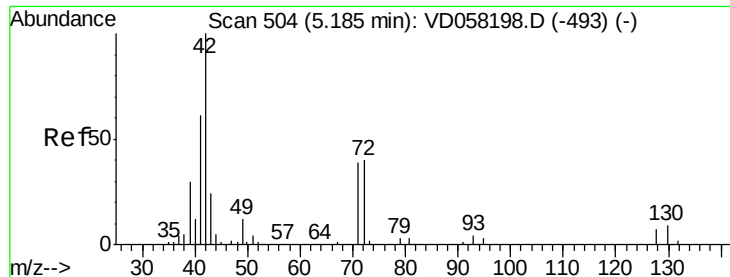


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

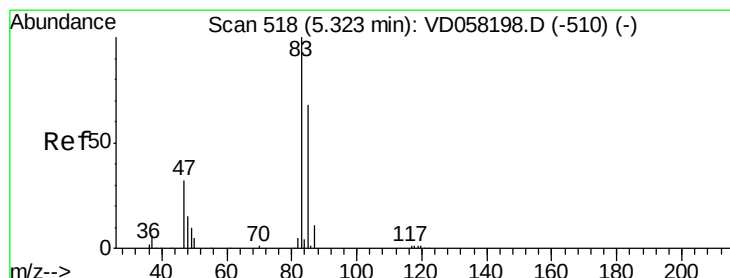
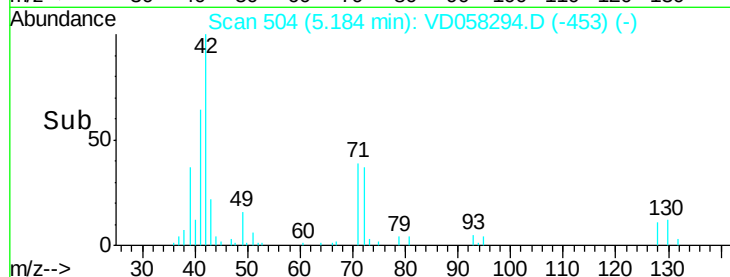
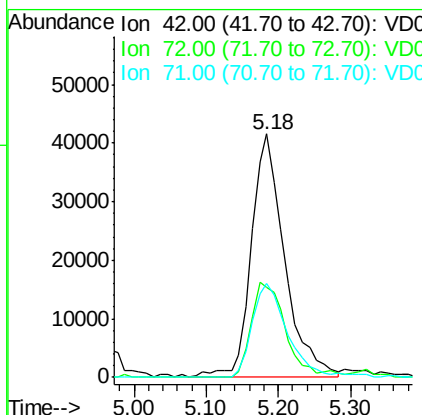
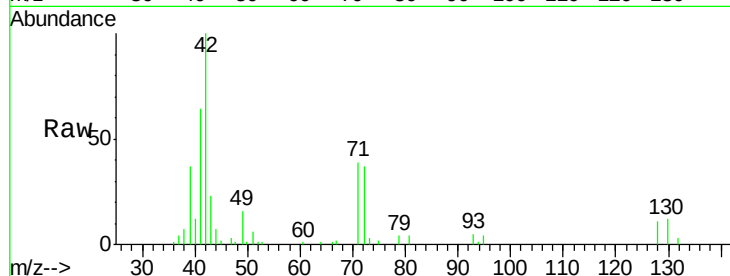




#29
Tetrahydrofuran
Concen: 92.24 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

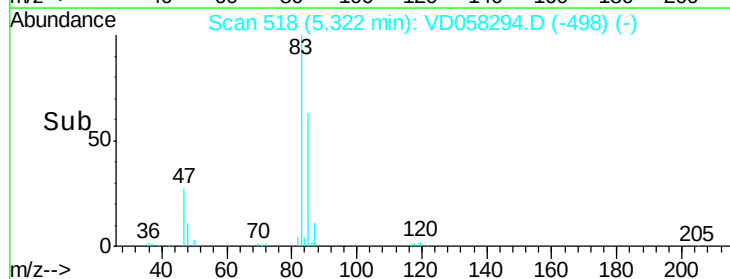
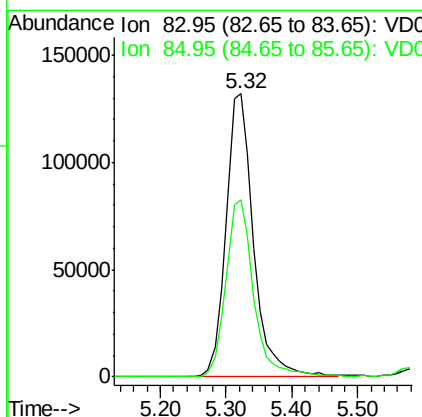
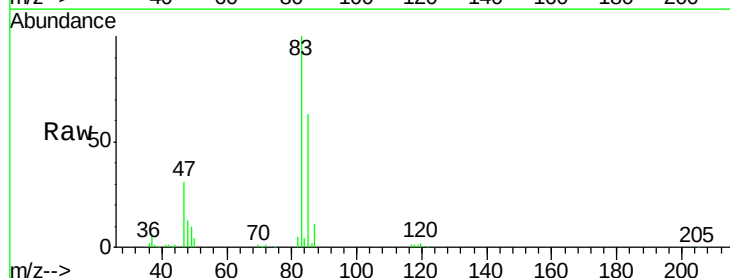
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

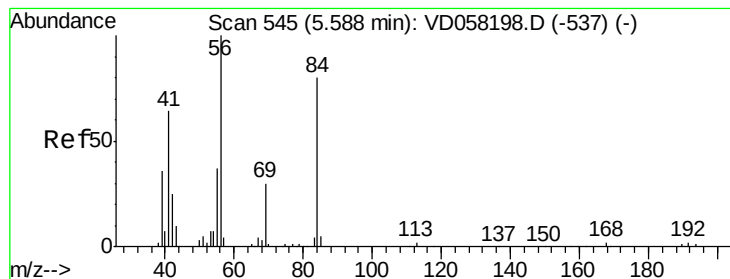
Tot Ion: 42 Resp: 134264
Ion Ratio Lower Upper
42 100
72 40.6 30.2 45.2
71 41.1 30.1 45.1



#30
Chloroform
Concen: 23.56 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion: 83 Resp: 386524
Ion Ratio Lower Upper
83 100
85 62.8 54.8 82.2





#31

Cyclohexane

Concen: 21.30 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

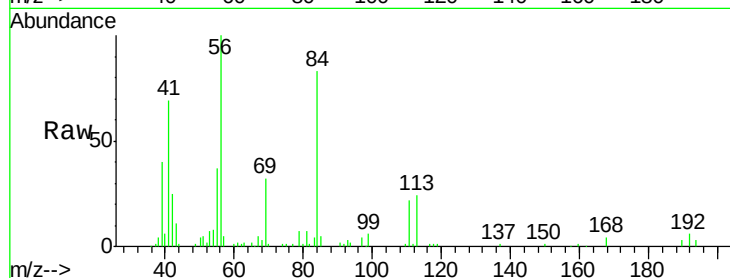
Tot Ion: 56 Resp: 274239

Ion Ratio Lower Upper

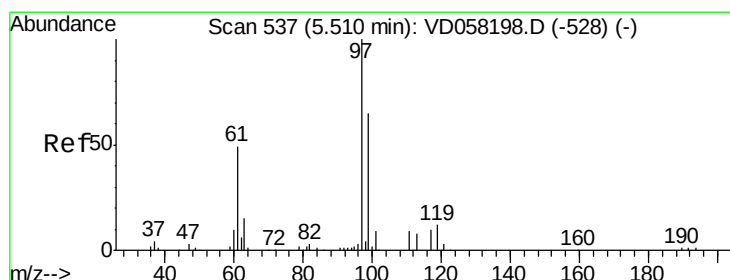
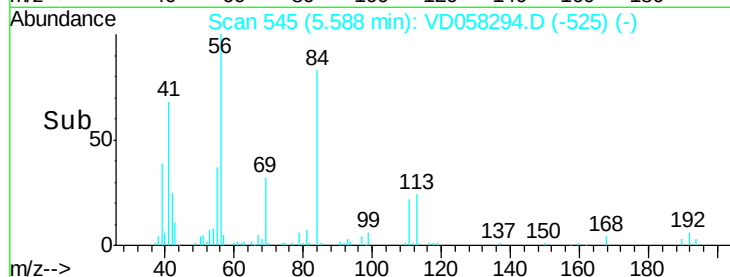
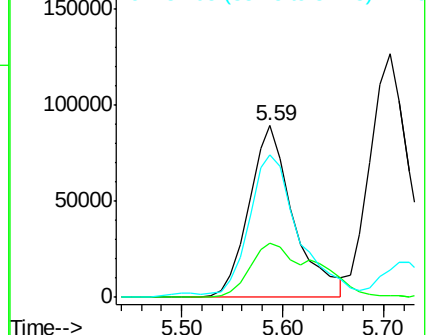
56 100

69 31.5 23.6 35.4

84 83.2 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: 22.32 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

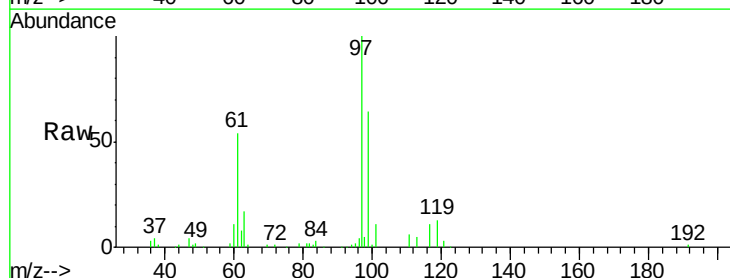
Tgt Ion: 97 Resp: 302599

Ion Ratio Lower Upper

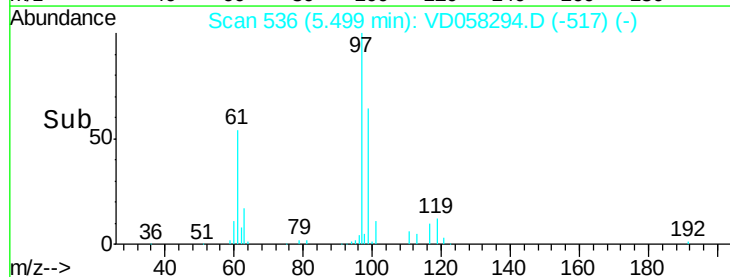
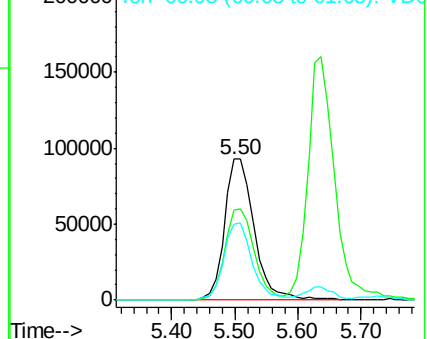
97 100

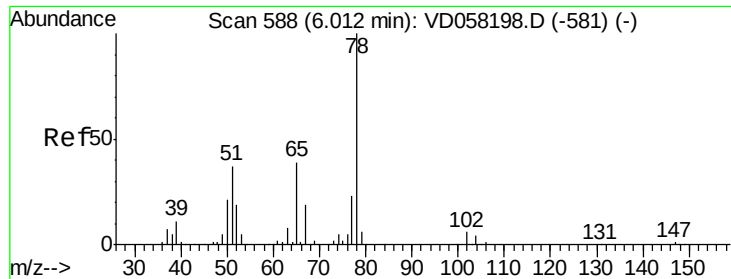
99 63.5 52.2 78.4

61 53.9 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

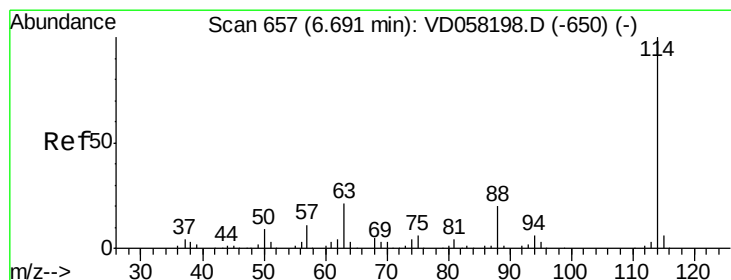
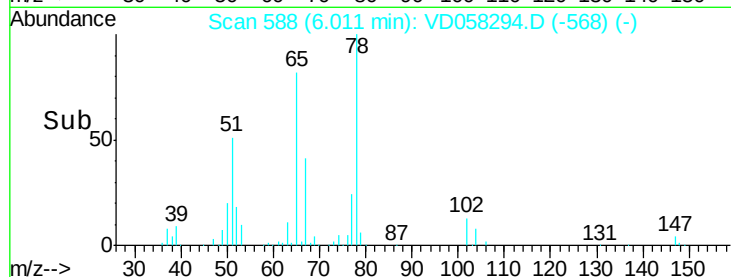
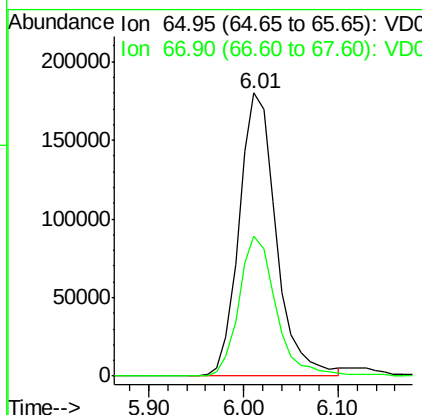
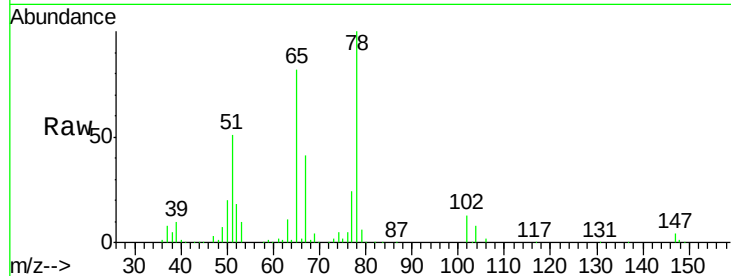




#33
 1,2-Dichloroethane-d4
 Concen: 22.32 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

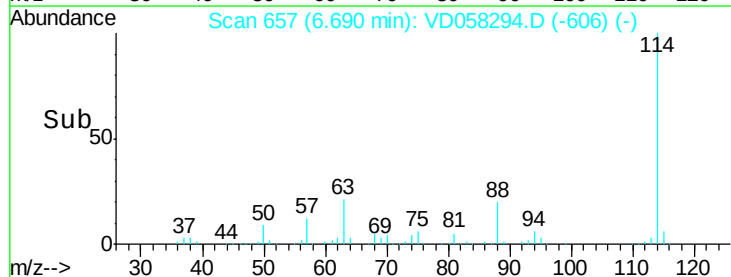
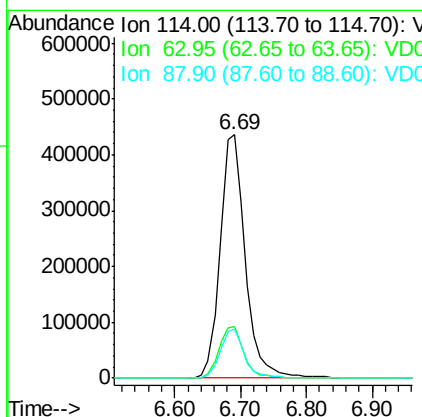
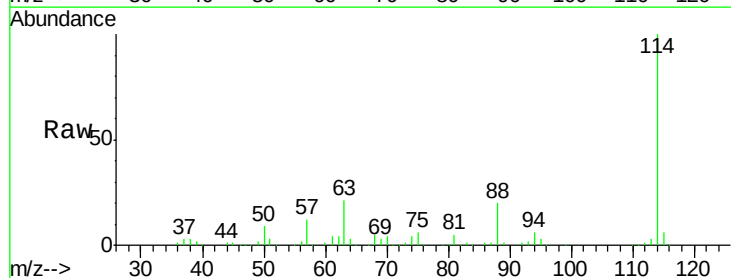
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

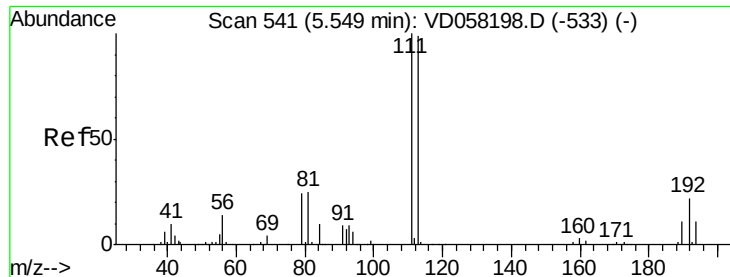
Tot Ion: 65 Resp: 487216
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion: 114 Resp: 1157076
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 20.2 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

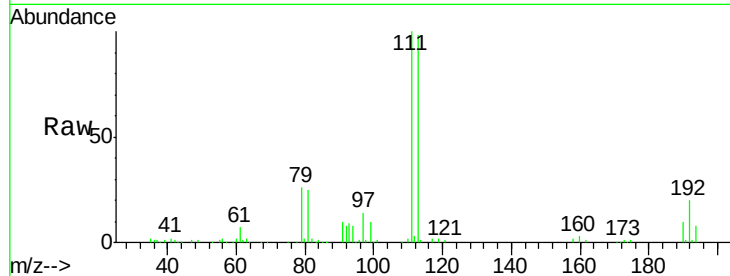
Tot Ion:113 Resp: 517410

Ion Ratio Lower Upper

113 100

111 101.9 80.6 121.0

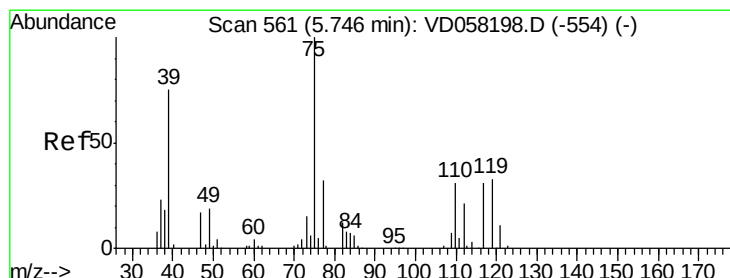
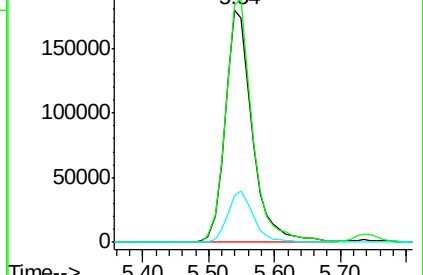
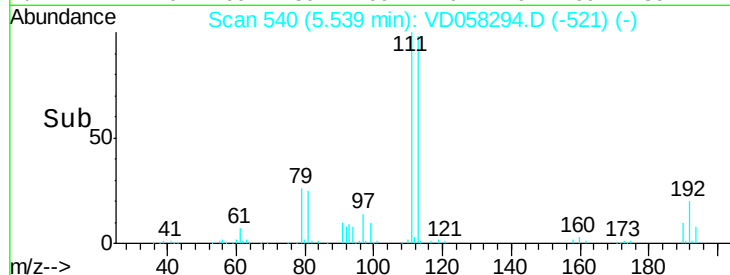
192 20.0 17.8 26.6



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: 24.26 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

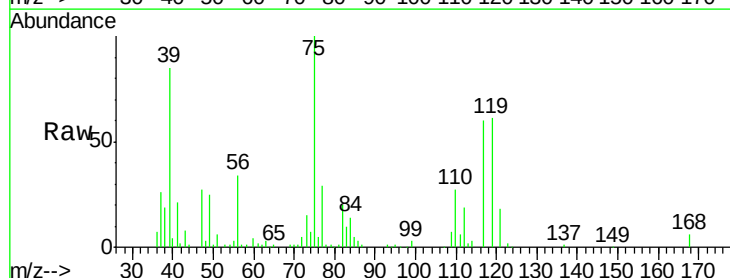
Tgt Ion: 75 Resp: 277715

Ion Ratio Lower Upper

75 100

110 27.4 15.4 46.4

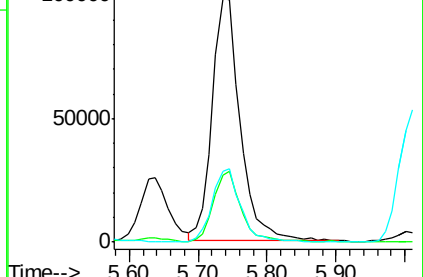
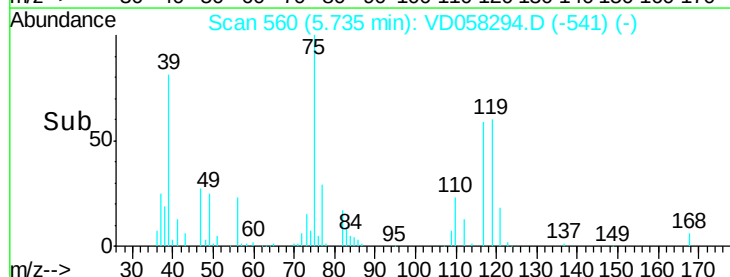
77 29.1 25.4 38.2

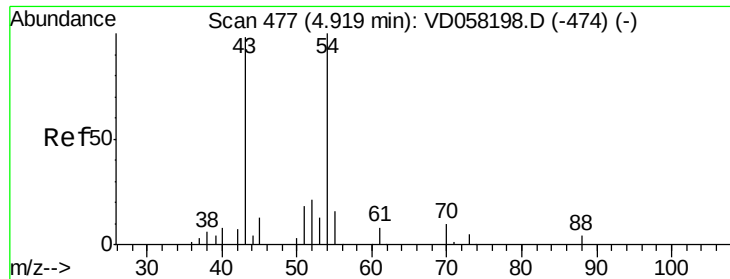


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

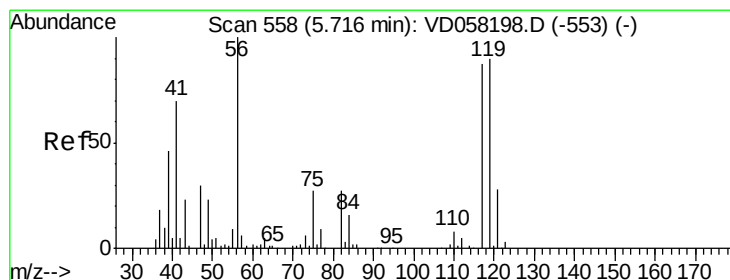
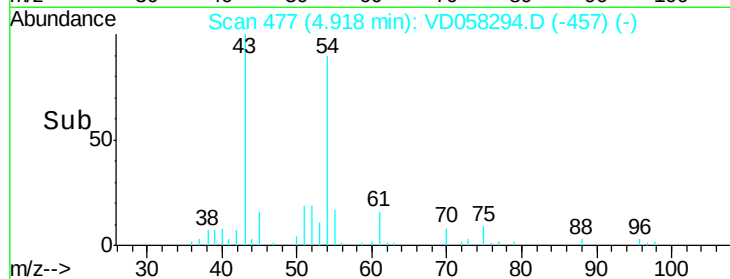
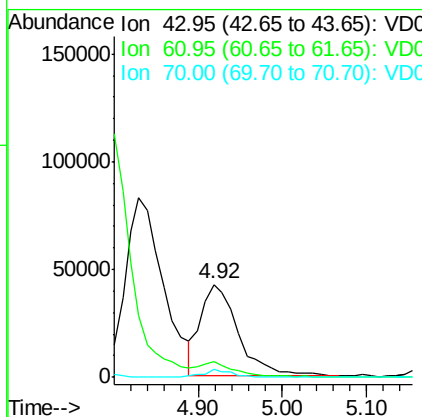
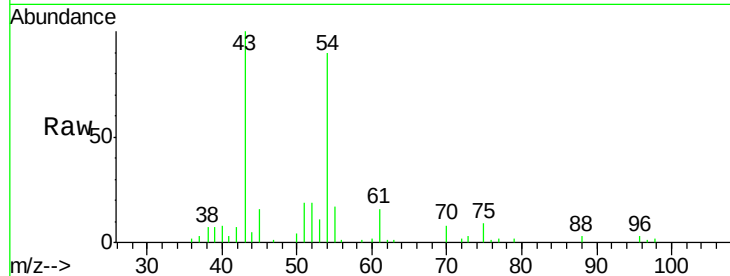




#37
Ethyl Acetate
Concen: 19.66 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

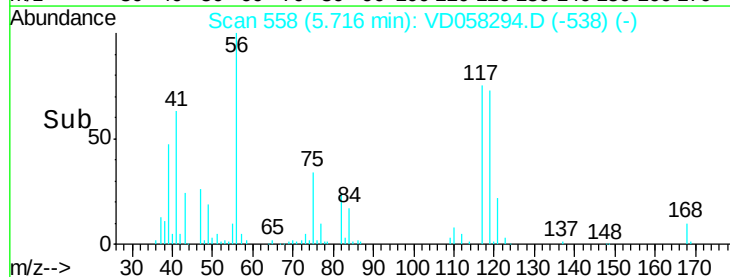
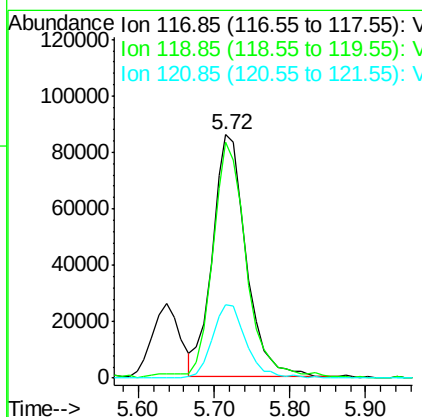
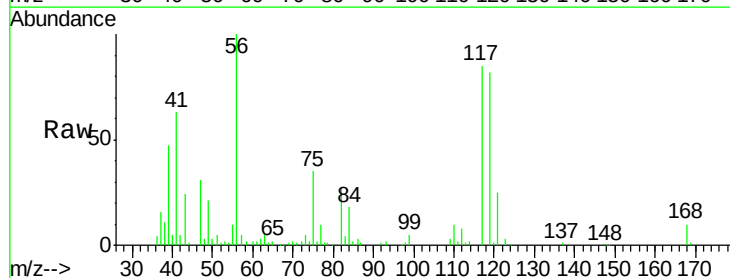
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

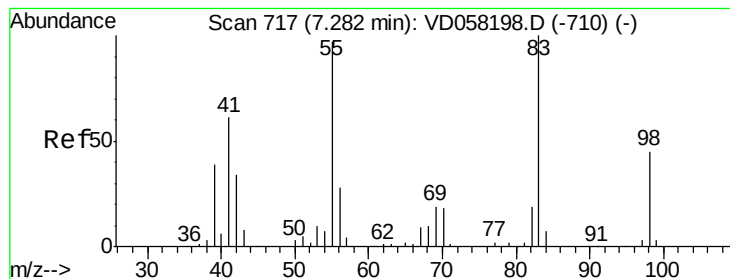
Tot Ion: 43 Resp: 128198
Ion Ratio Lower Upper
43 100
61 16.4 10.3 15.5#
70 8.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 23.29 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion: 117 Resp: 264892
Ion Ratio Lower Upper
117 100
119 96.9 78.8 118.2
121 29.9 25.0 37.6





#39

Methylcyclohexane

Concen: 23.52 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

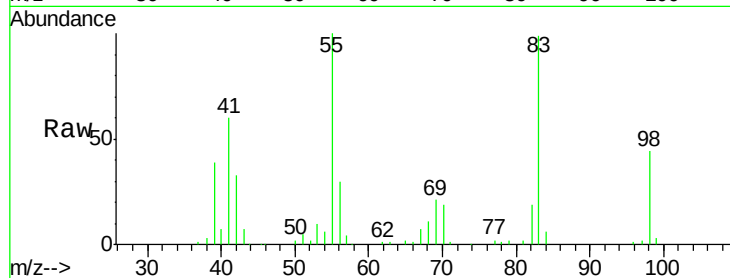
Tot Ion: 83 Resp: 262262

Ion Ratio Lower Upper

83 100

55 101.4 77.4 116.2

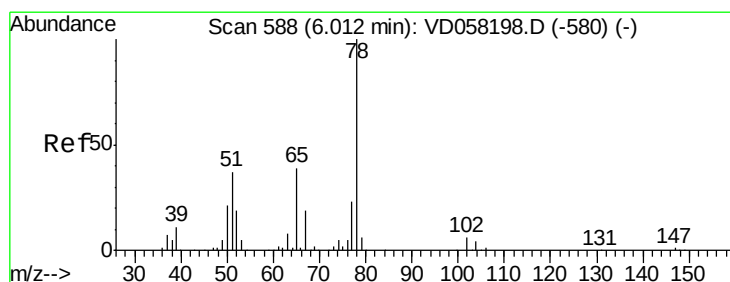
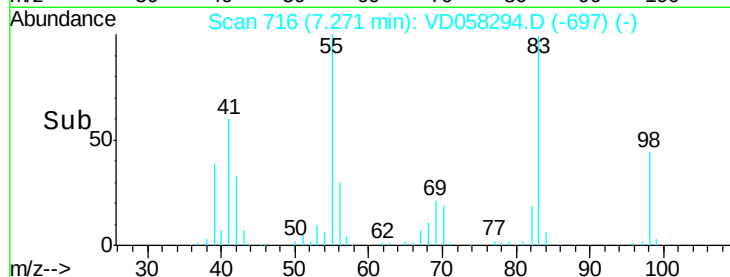
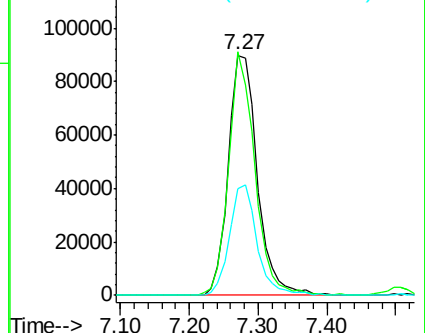
98 44.4 35.9 53.9



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: 22.81 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058294.D

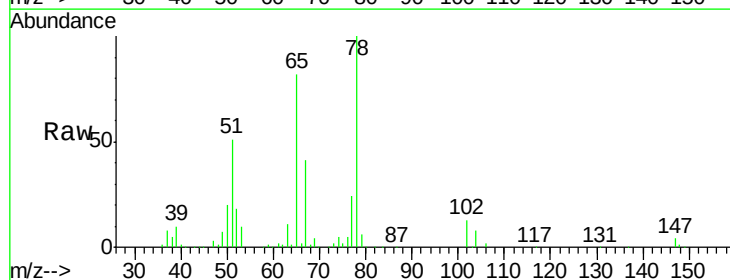
Acq: 22 Jun 2018 13:49

Tgt Ion: 78 Resp: 622065

Ion Ratio Lower Upper

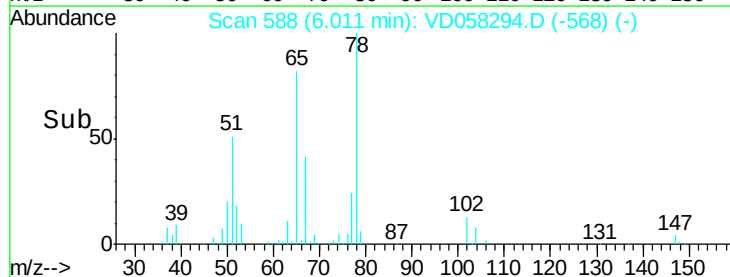
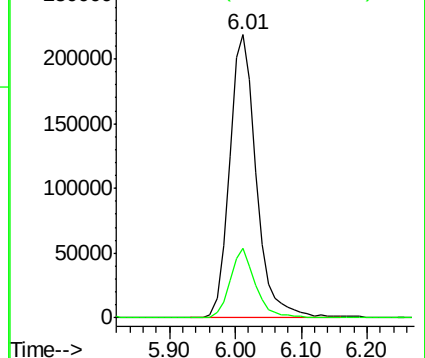
78 100

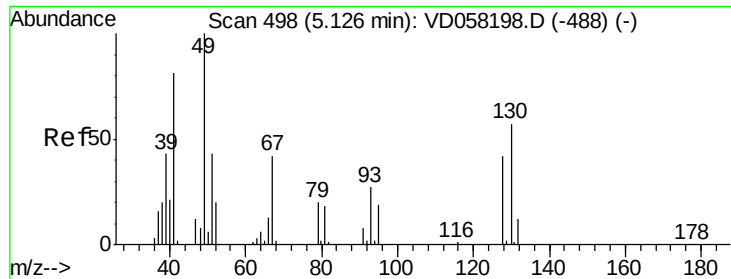
77 24.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.99 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 62969

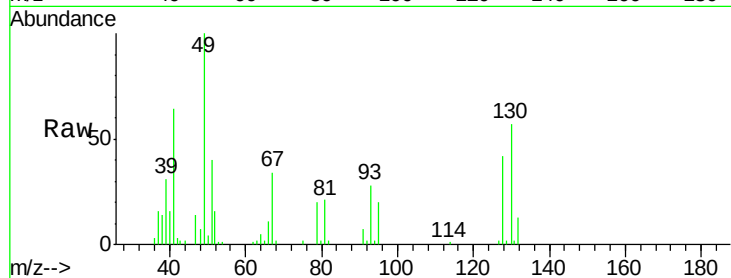
Ion Ratio Lower Upper

41 100

39 48.2 43.4 65.2

67 53.1 41.7 62.5

52 25.7 20.6 30.8

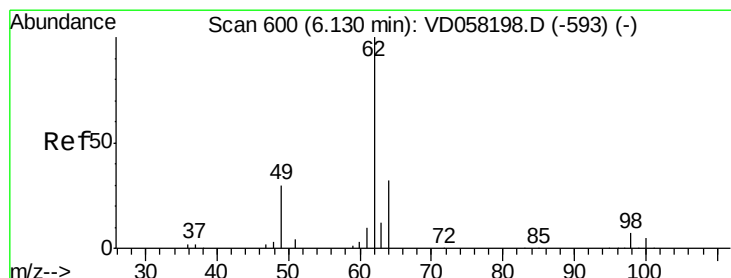
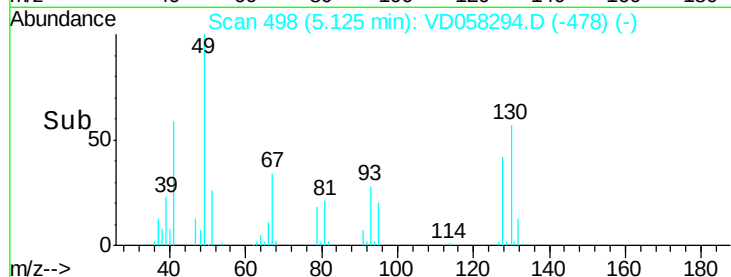
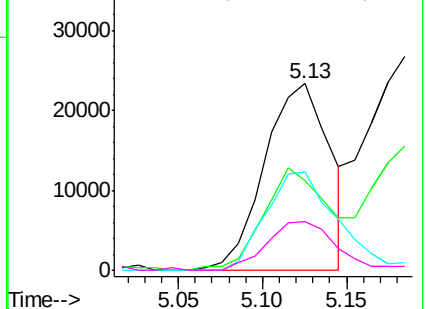


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.07 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD058294.D

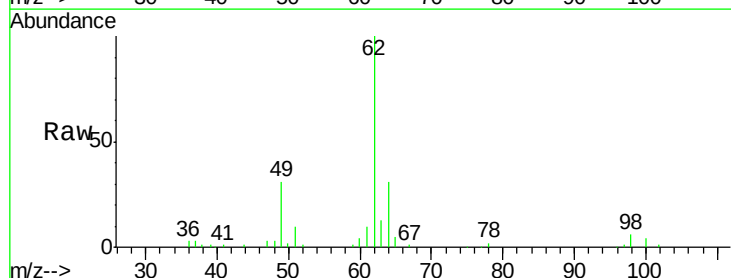
Acq: 22 Jun 2018 13:49

Tgt Ion: 62 Resp: 242688

Ion Ratio Lower Upper

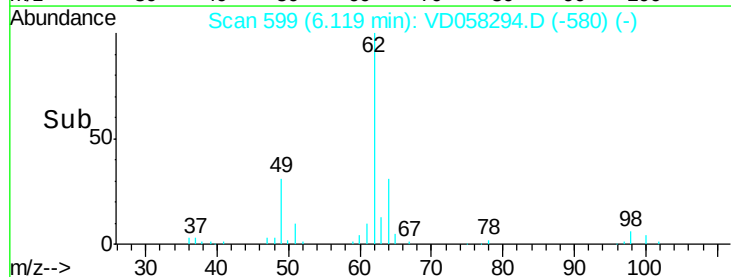
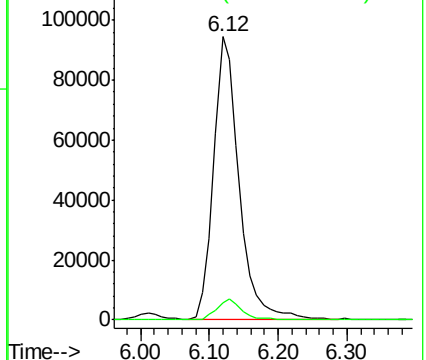
62 100

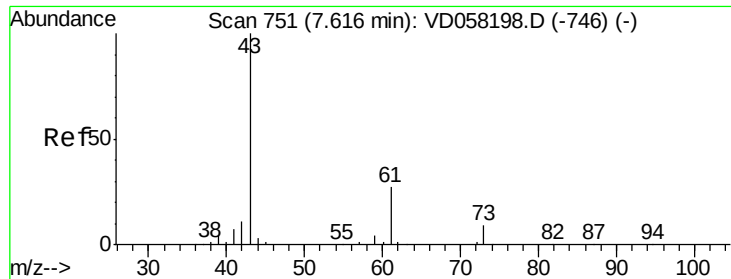
98 5.9 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.21 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

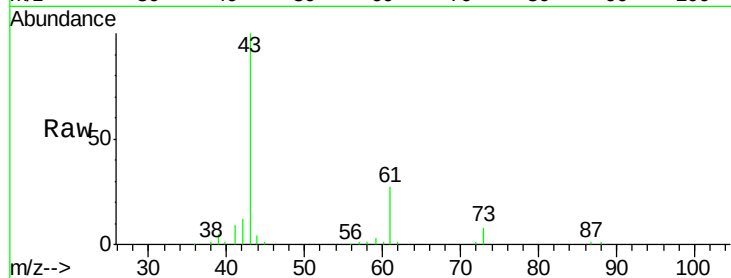
Tot Ion: 43 Resp: 167071

Ion Ratio Lower Upper

43 100

61 26.9 21.8 32.6

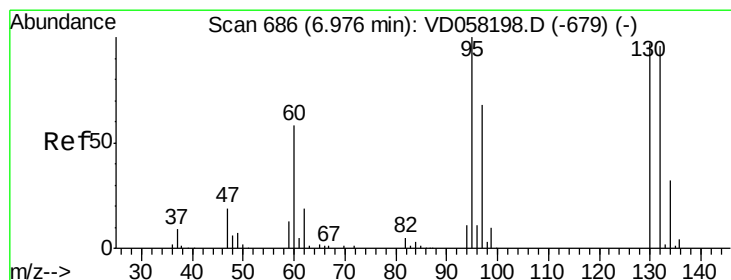
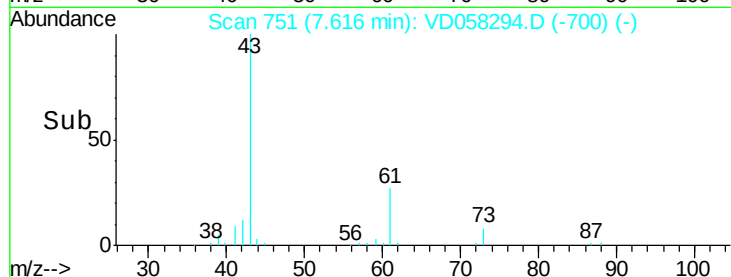
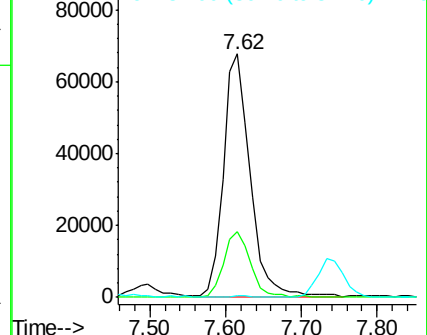
87 0.6 0.3 0.5#



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: 23.38 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.00 min

Lab File: VD058294.D

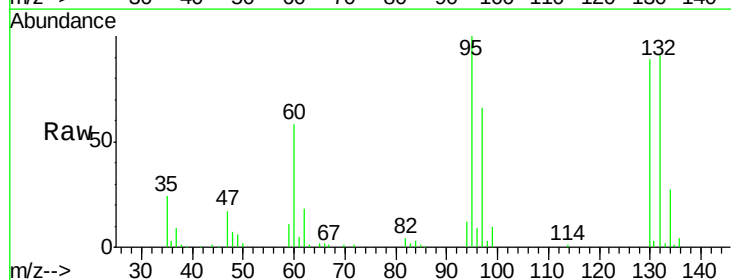
Acq: 22 Jun 2018 13:49

Tgt Ion:130 Resp: 191390

Ion Ratio Lower Upper

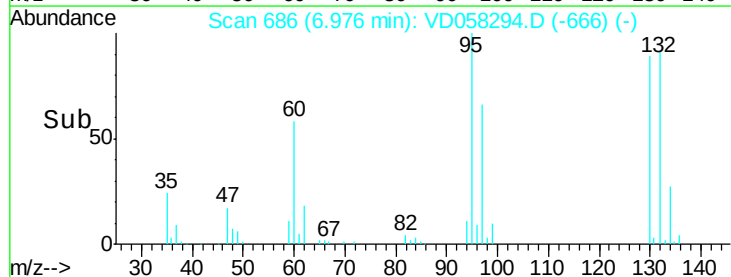
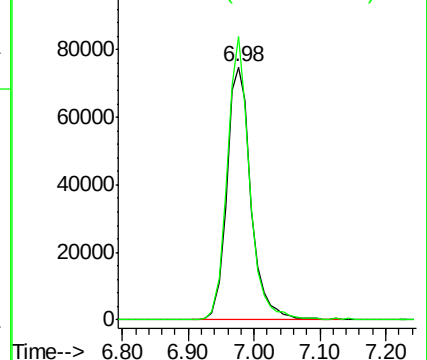
130 100

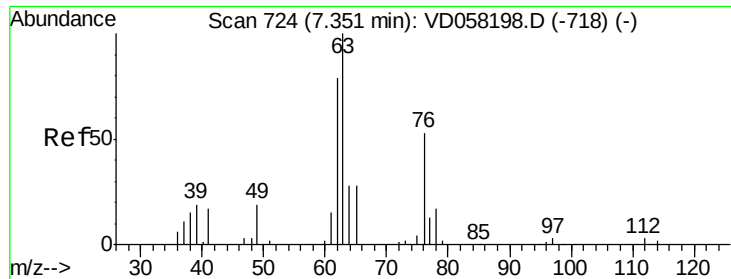
95 111.8 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

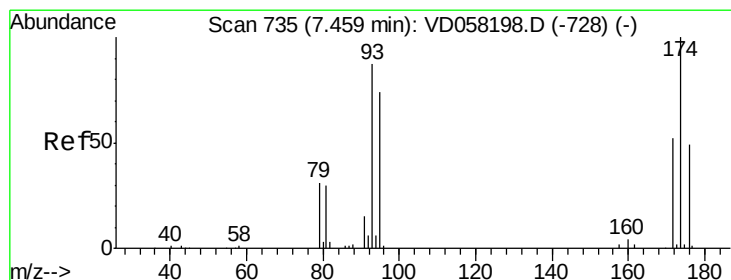
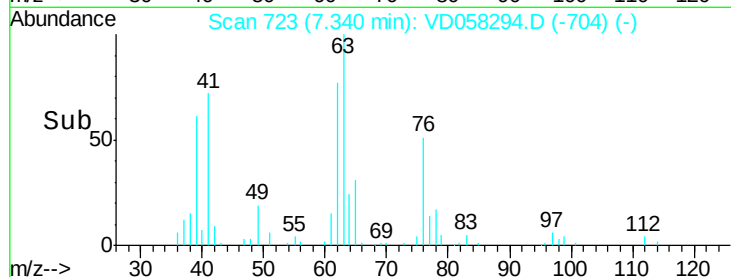
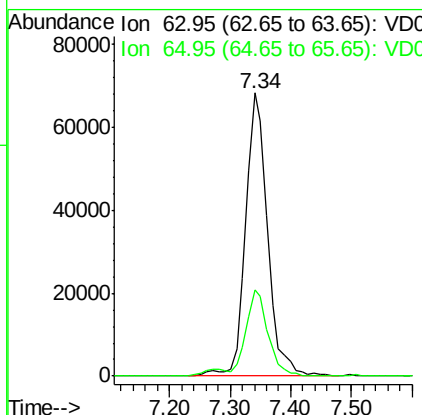
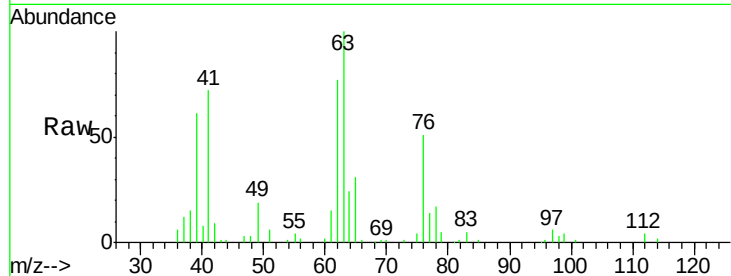




#45
 1,2-Dichloropropane
 Concen: 23.46 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

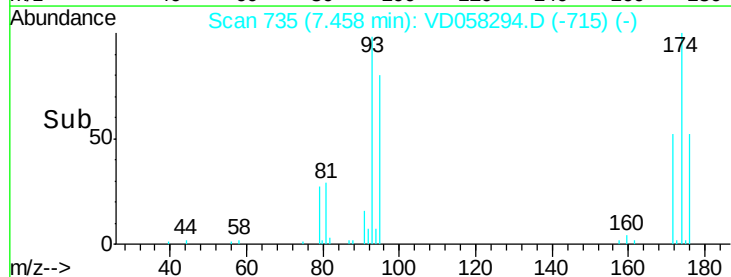
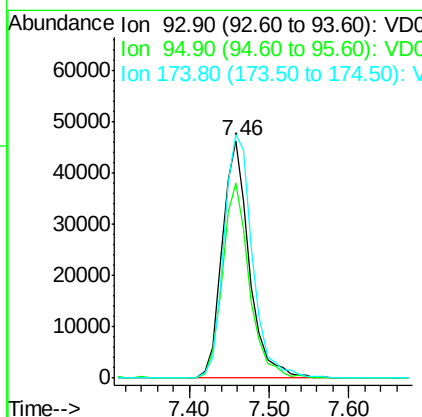
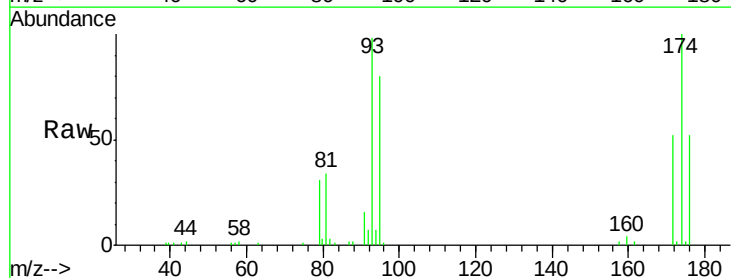
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

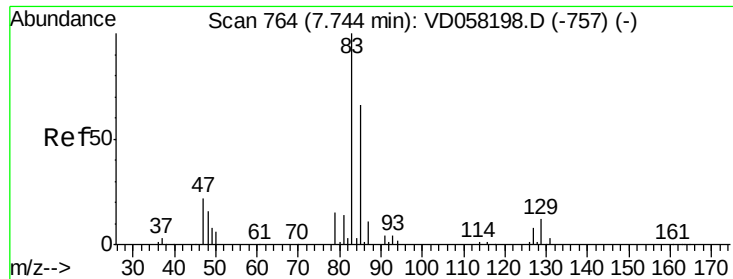
Tot Ion: 63 Resp: 172254
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.0 36.0



#46
 Dibromomethane
 Concen: 22.03 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion: 93 Resp: 110427
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.8 101.6
 174 102.4 92.2 138.2





#47

Bromodichloromethane

Concen: 22.51 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

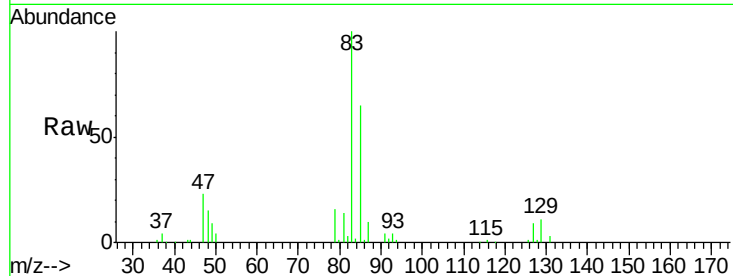
Tot Ion: 83 Resp: 257362

Ion Ratio Lower Upper

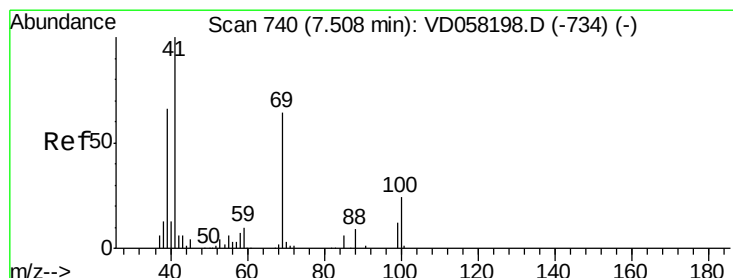
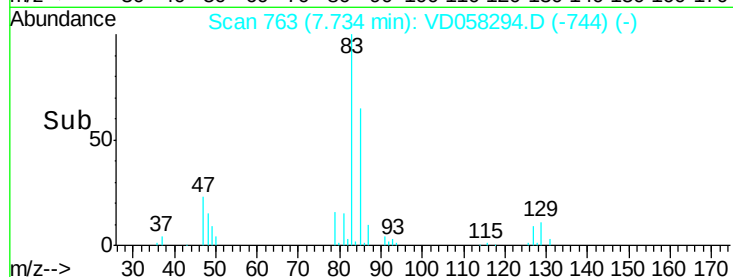
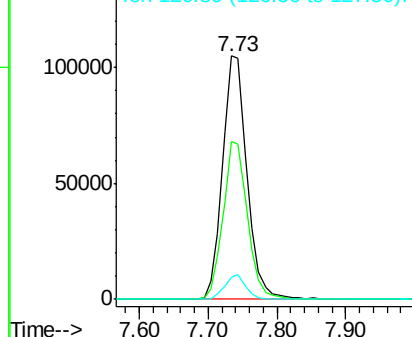
83 100

85 64.8 52.6 78.8

127 9.1 6.2 9.4



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



#48

Methyl methacrylate

Concen: 17.84 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

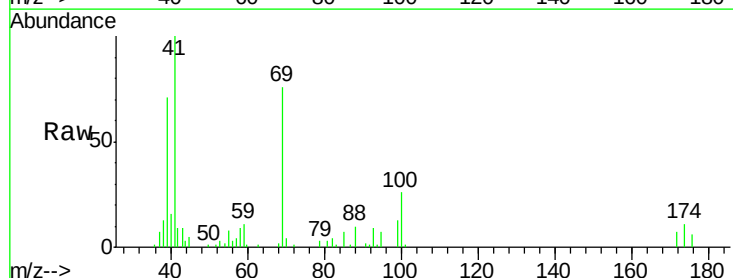
Tgt Ion: 41 Resp: 94287

Ion Ratio Lower Upper

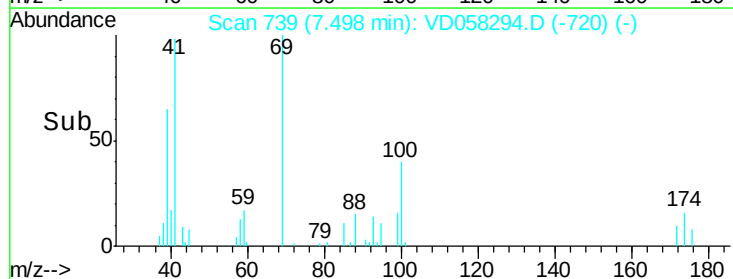
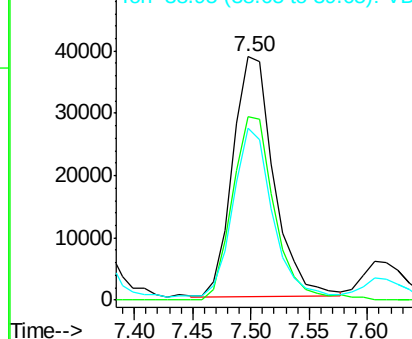
41 100

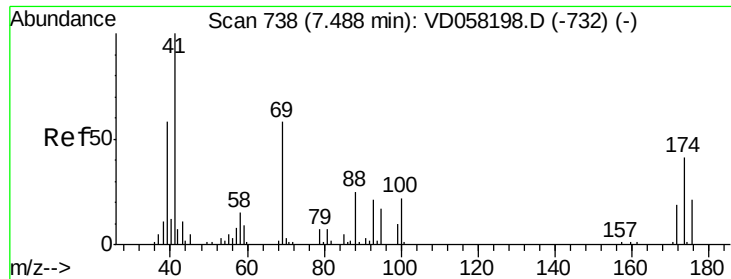
69 75.6 50.7 76.1

39 70.5 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

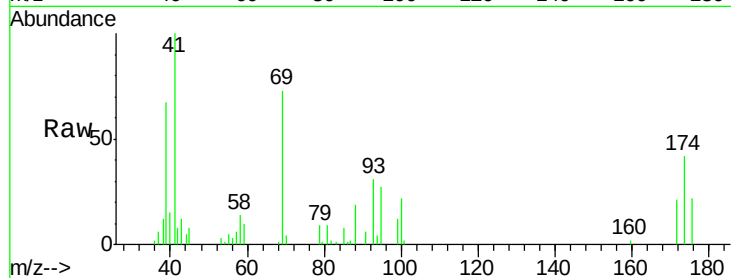




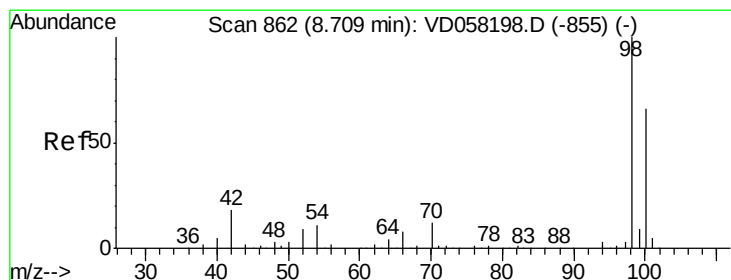
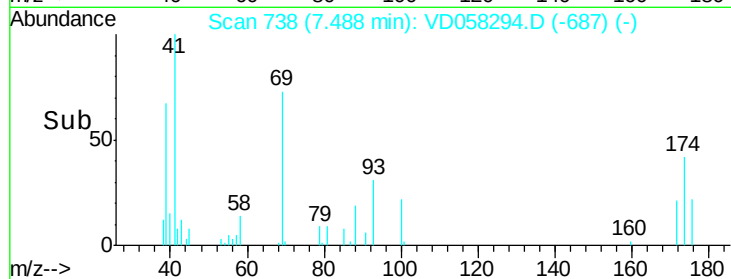
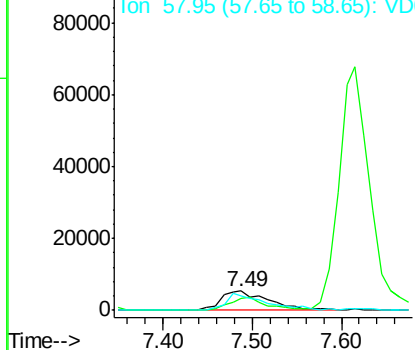
#49
1,4-Dioxane
Concen: 423.15 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 88 Resp: 20185
Ion Ratio Lower Upper
88 100
43 64.9 34.2 51.2#
58 76.6 47.9 71.9#

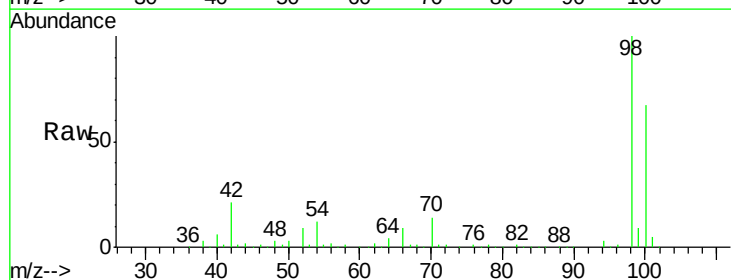


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

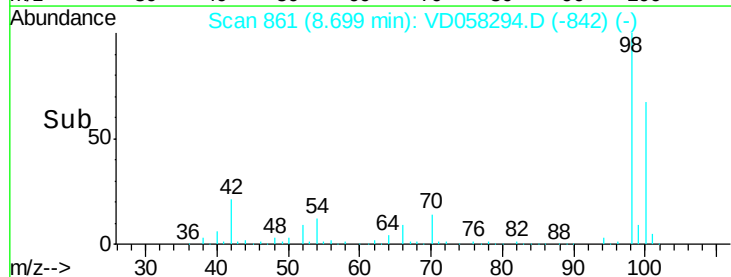
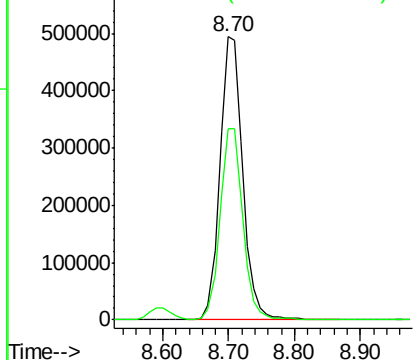


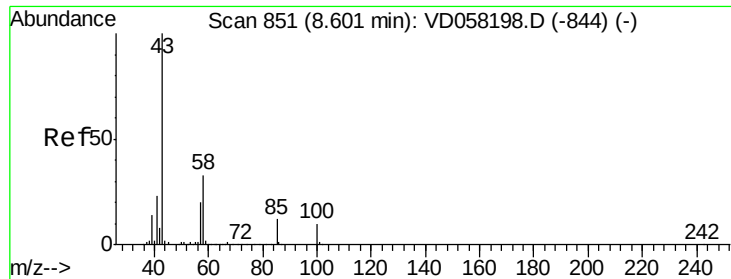
#50
Toluene-d8
Concen: 423.15 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion: 98 Resp: 1189987
Ion Ratio Lower Upper
98 100
100 67.5 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: 100.64 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

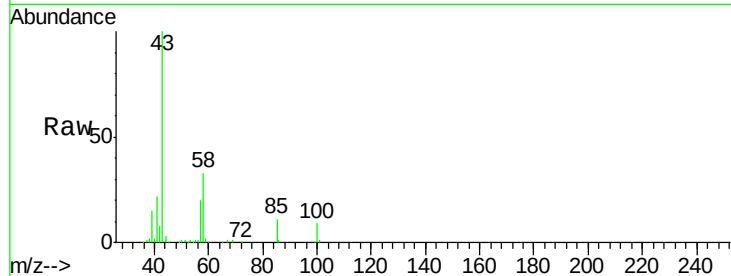
VD0622SBS01

Tot Ion: 43 Resp: 570780

Ion Ratio Lower Upper

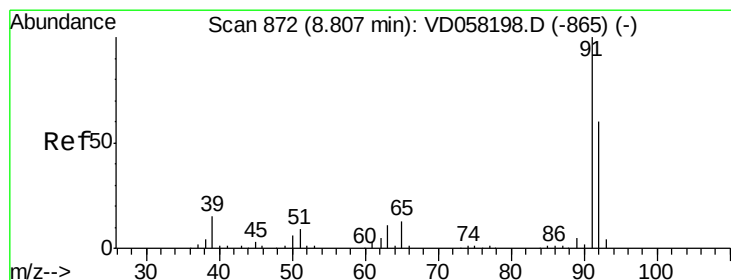
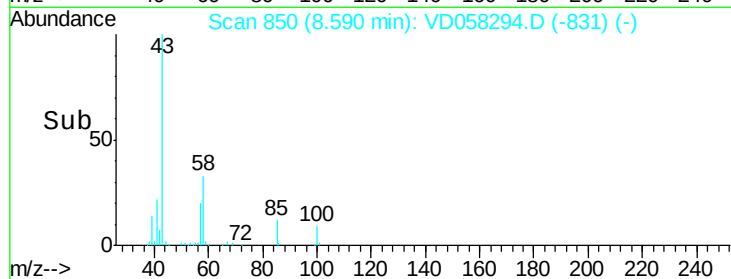
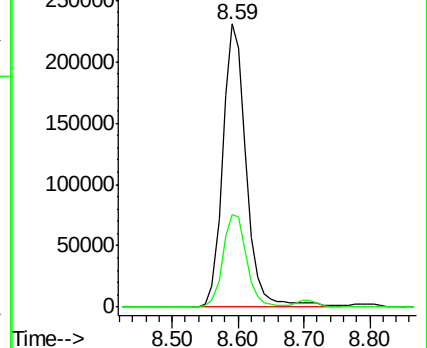
43 100

58 32.8 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: 22.69 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058294.D

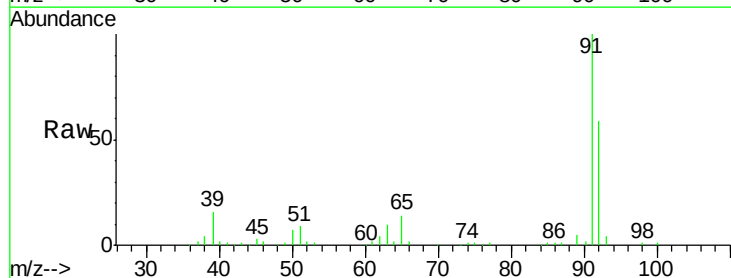
Acq: 22 Jun 2018 13:49

Tgt Ion: 92 Resp: 352211

Ion Ratio Lower Upper

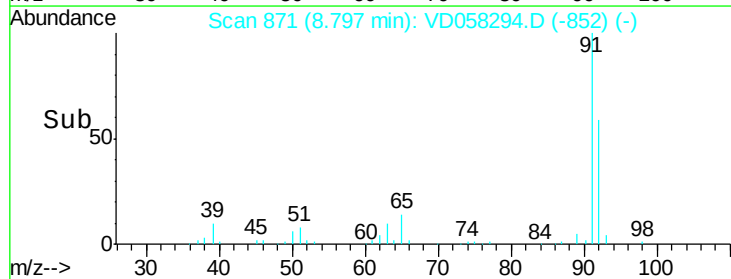
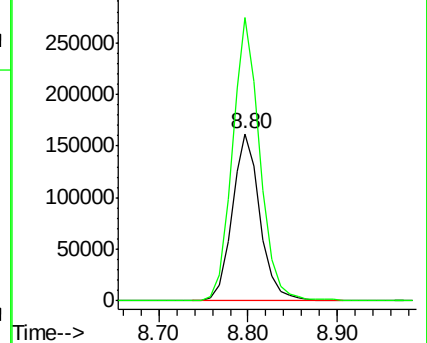
92 100

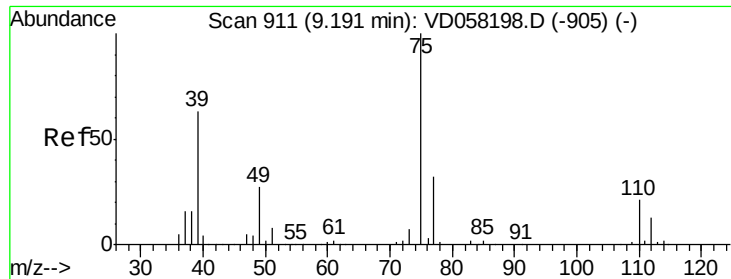
91 169.4 133.2 199.8



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: 21.22 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

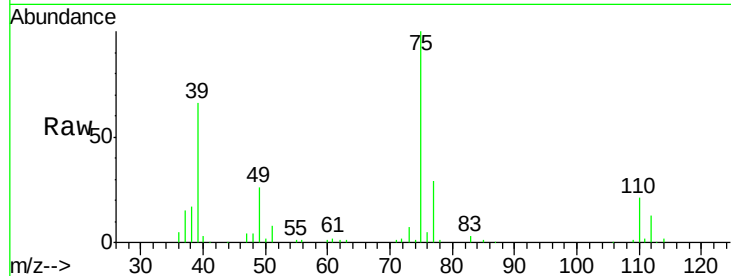
VD0622SBS01

Tot Ion: 75 Resp: 210945

Ion Ratio Lower Upper

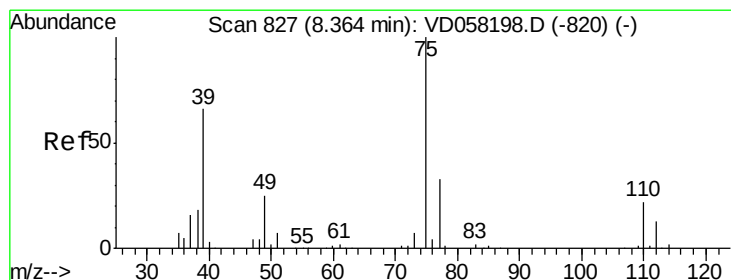
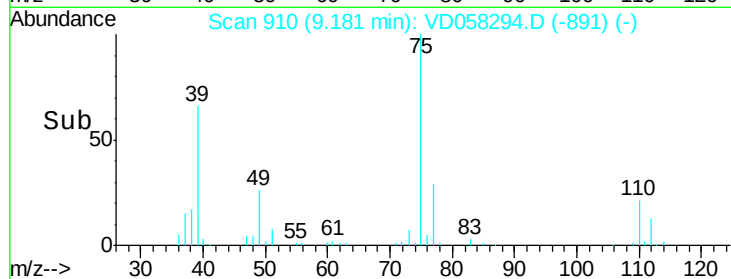
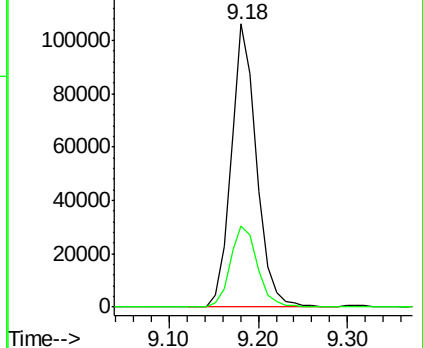
75 100

77 28.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 22.71 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

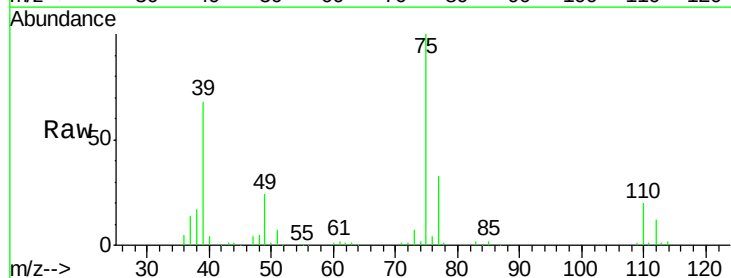
Tgt Ion: 75 Resp: 264553

Ion Ratio Lower Upper

75 100

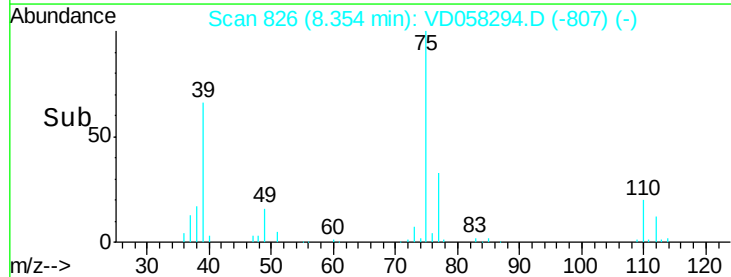
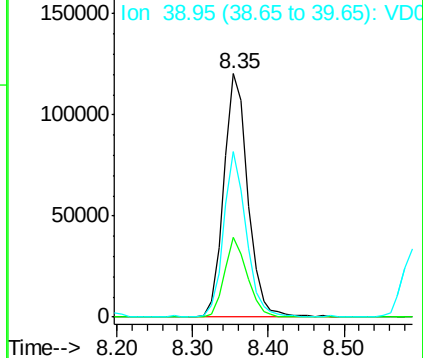
77 33.0 26.5 39.7

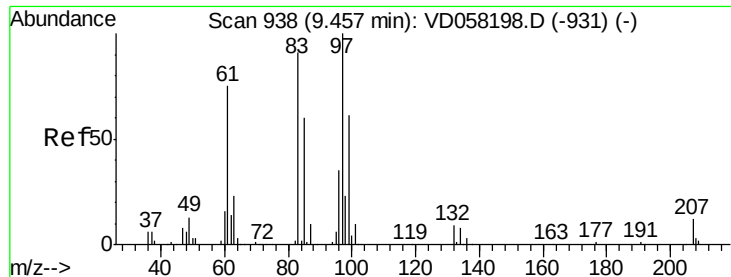
39 68.0 52.9 79.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.76 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 97 Resp: 119514

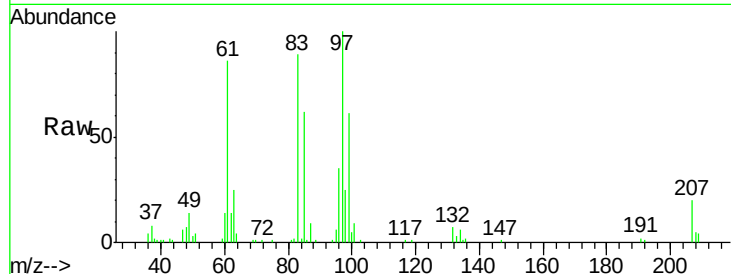
Ion Ratio Lower Upper

97 100

83 89.0 72.9 109.3

85 62.1 48.2 72.4

99 60.7 48.9 73.3

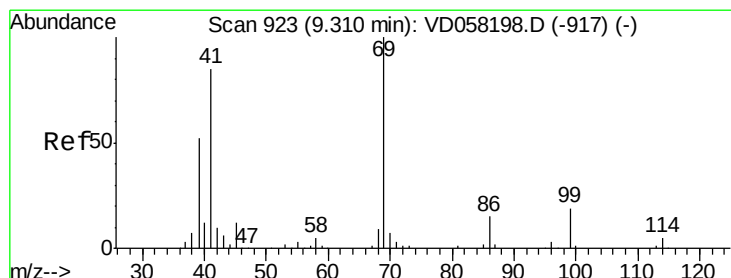
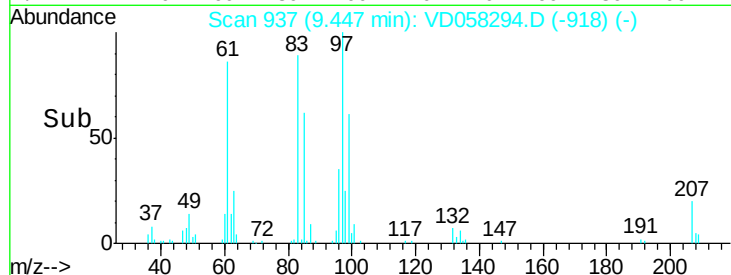
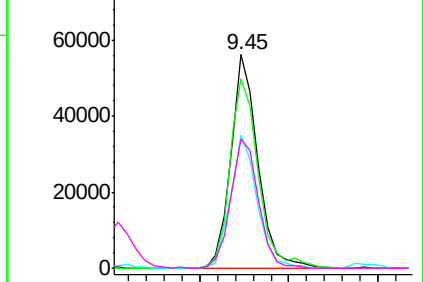


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



#56

Ethyl methacrylate

Concen: 20.87 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

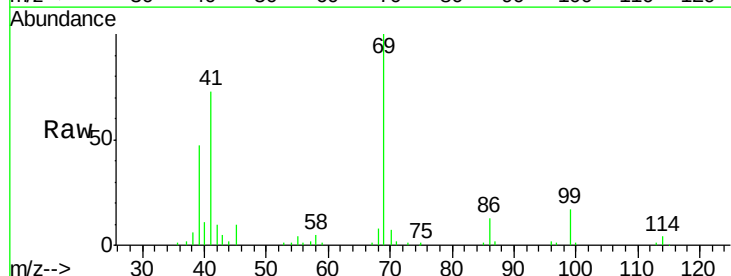
Tgt Ion: 69 Resp: 137127

Ion Ratio Lower Upper

69 100

41 72.7 67.6 101.4

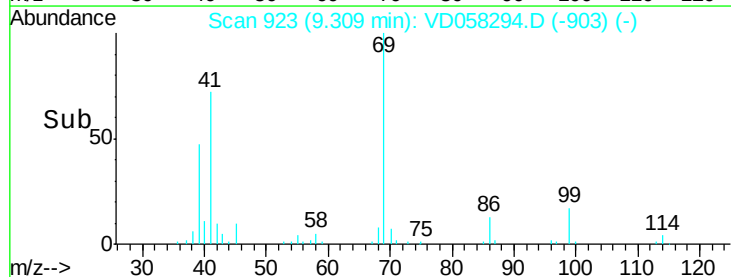
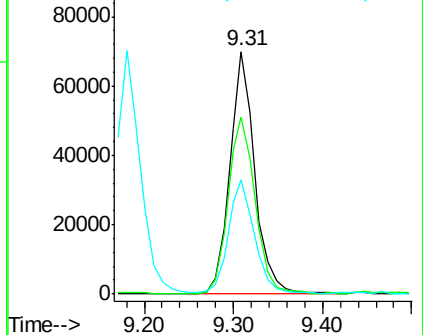
39 47.2 42.2 63.2

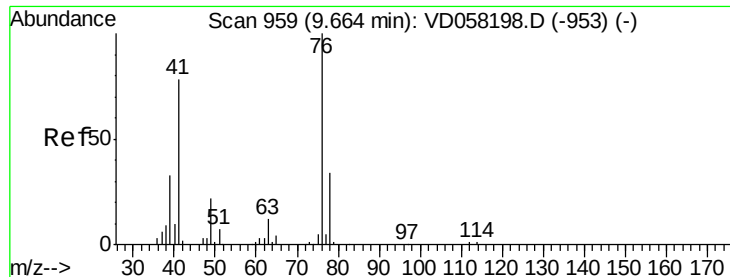


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.60 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

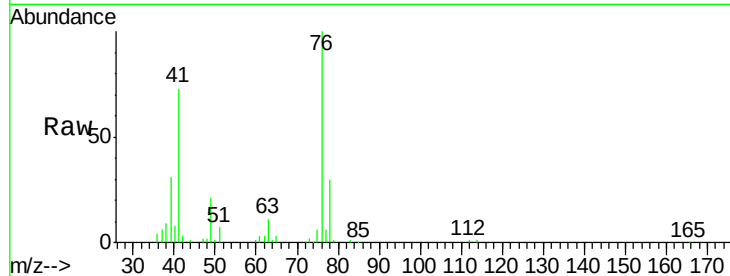
VD0622SBS01

Tot Ion: 76 Resp: 199848

Ion Ratio Lower Upper

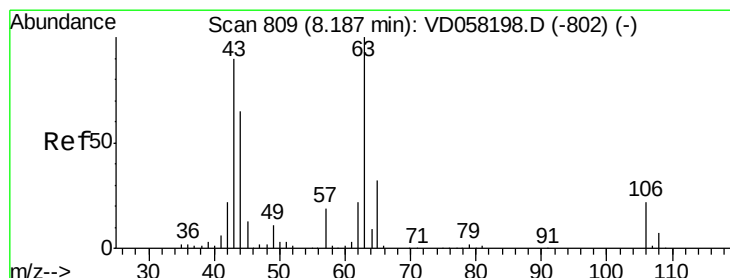
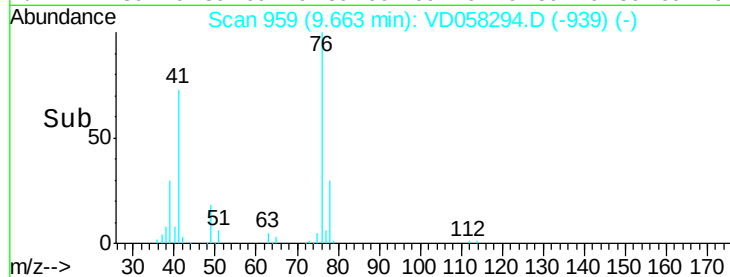
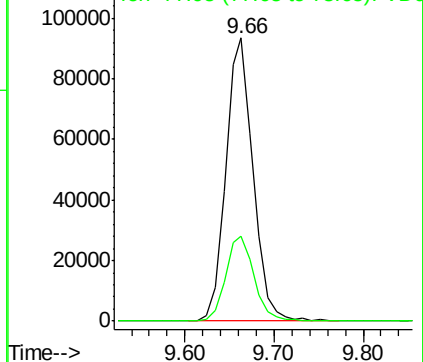
76 100

78 30.2 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: 113.19 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD058294.D

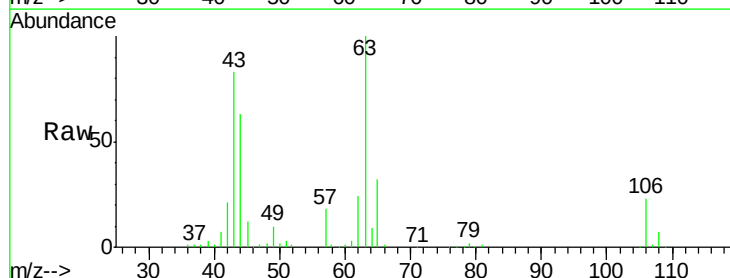
Acq: 22 Jun 2018 13:49

Tgt Ion: 63 Resp: 368118

Ion Ratio Lower Upper

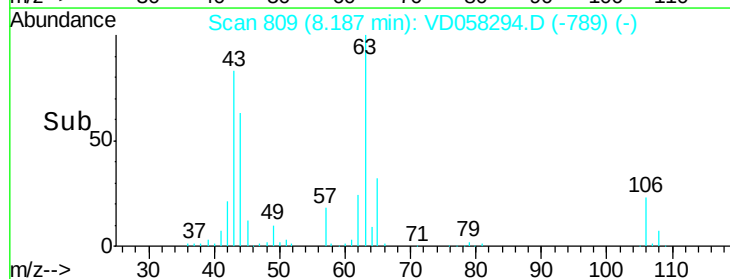
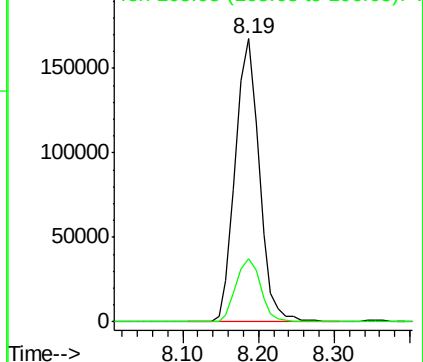
63 100

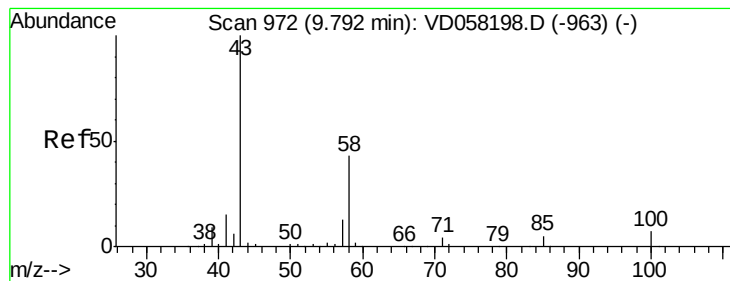
106 22.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 104.83 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

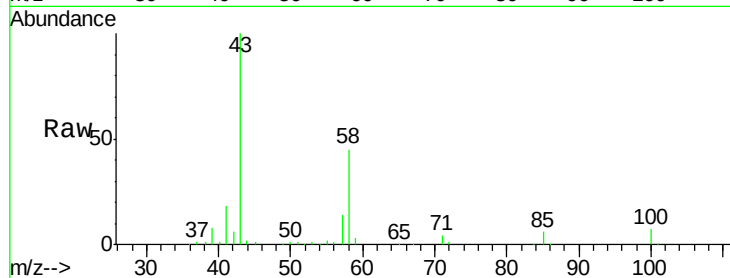
VD0622SBS01

Tot Ion: 43 Resp: 429612

Ion Ratio Lower Upper

43 100

58 44.5 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

200000

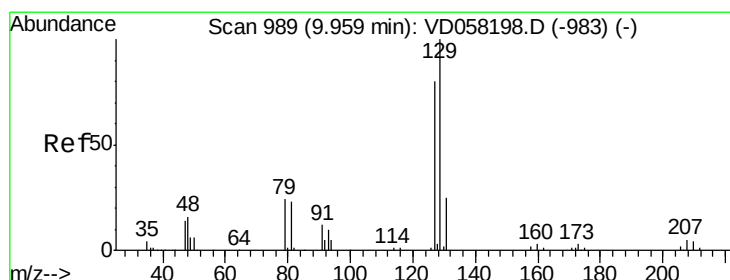
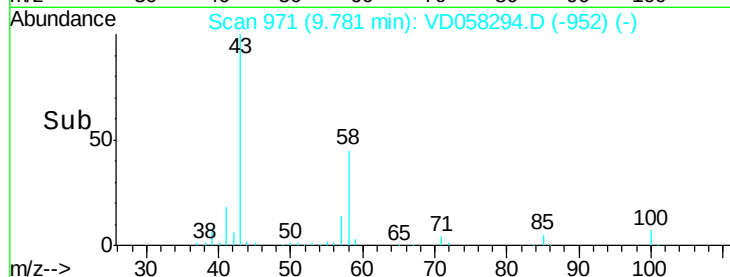
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 21.42 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD058294.D

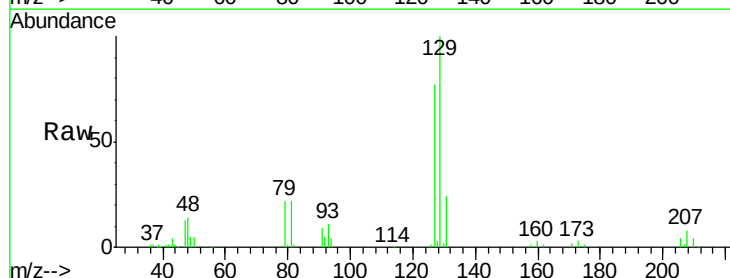
Acq: 22 Jun 2018 13:49

Tgt Ion:129 Resp: 159701

Ion Ratio Lower Upper

129 100

127 76.7 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

80000

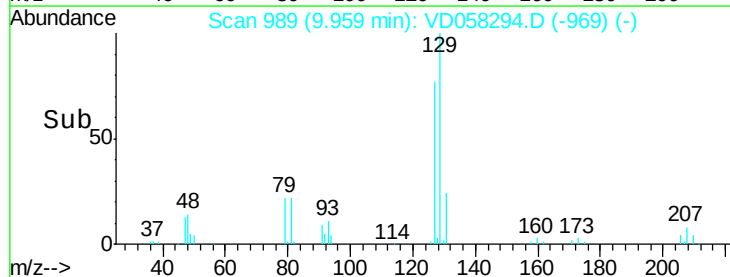
60000

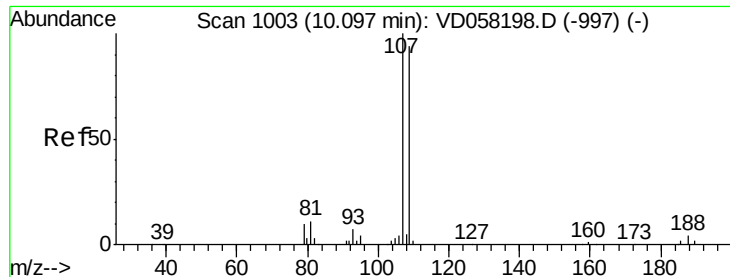
40000

20000

0

Time-->





#61

1,2-Dibromoethane

Concen: 21.76 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

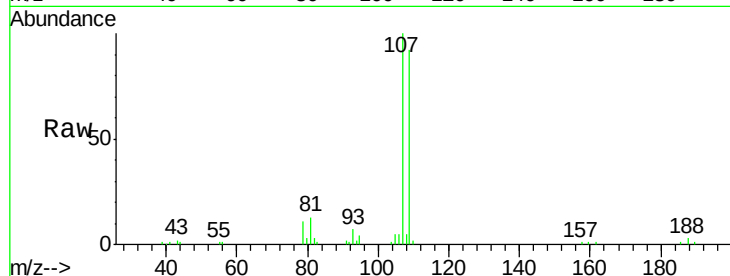
VD0622SBS01

Tot Ion:107 Resp: 130830

Ion Ratio Lower Upper

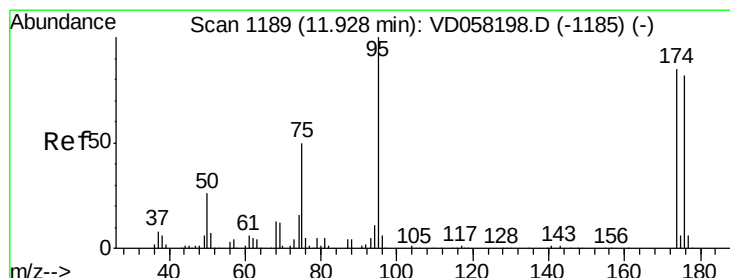
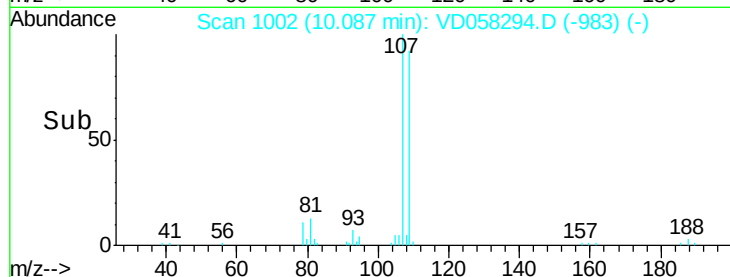
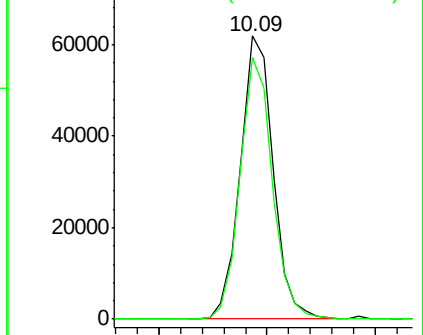
107 100

109 92.4 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.76 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

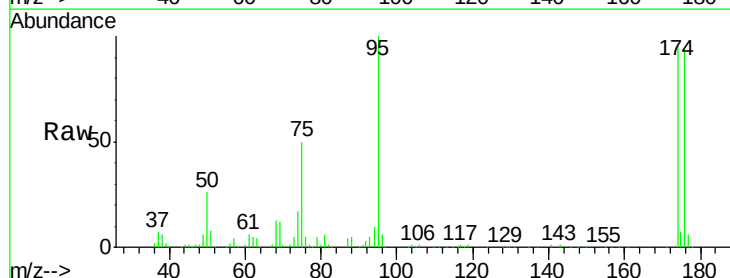
Tgt Ion: 95 Resp: 476073

Ion Ratio Lower Upper

95 100

174 94.6 0.0 170.2

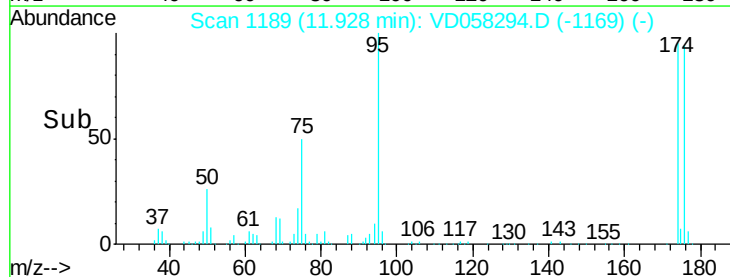
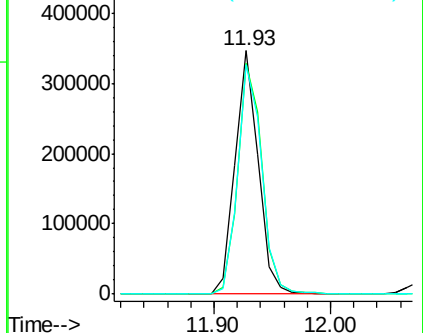
176 94.4 0.0 164.6

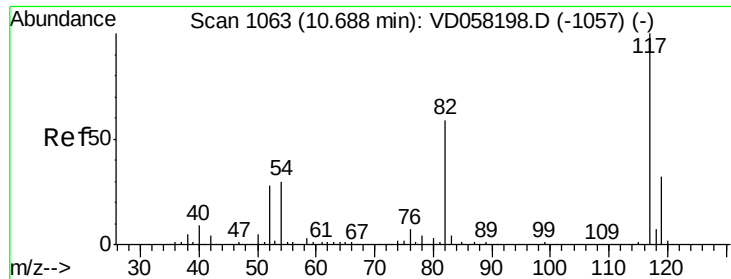


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

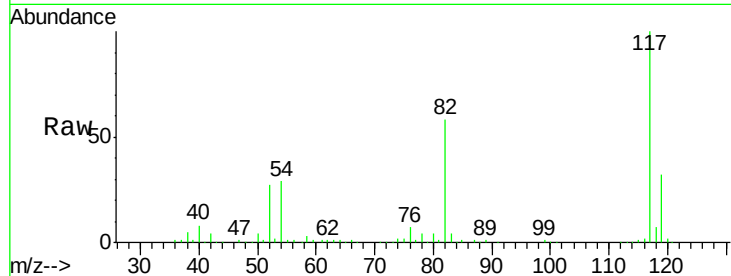




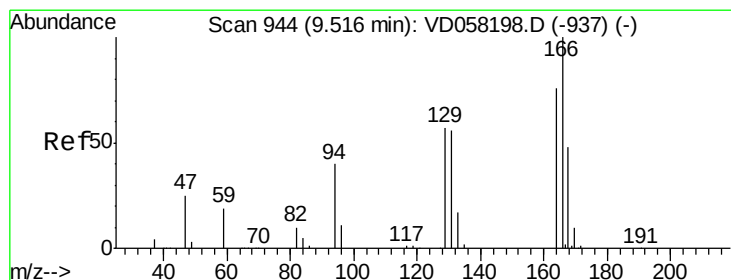
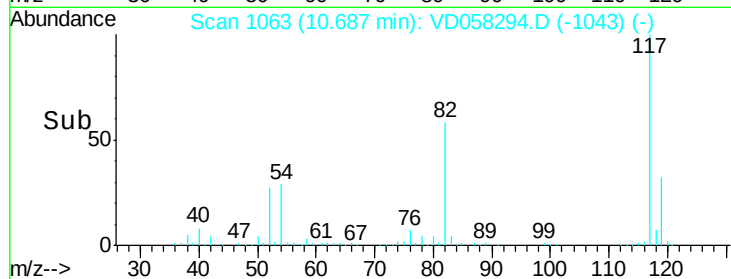
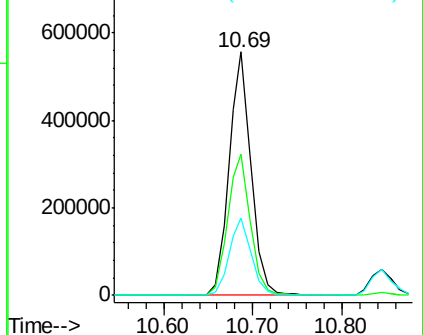
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion:117 Resp: 965587
Ion Ratio Lower Upper
117 100
82 58.2 47.0 70.6
119 32.0 25.3 37.9

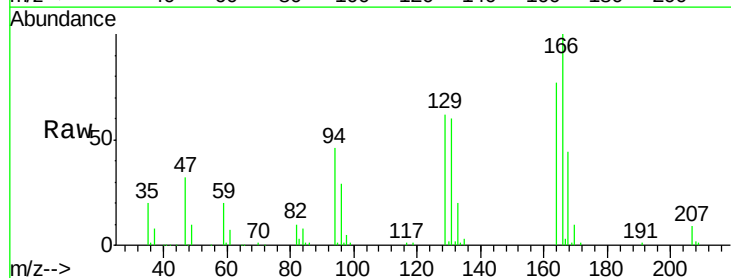


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

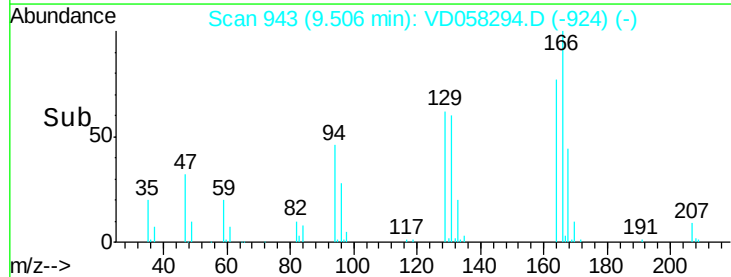
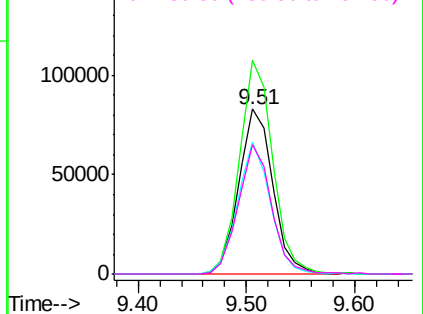


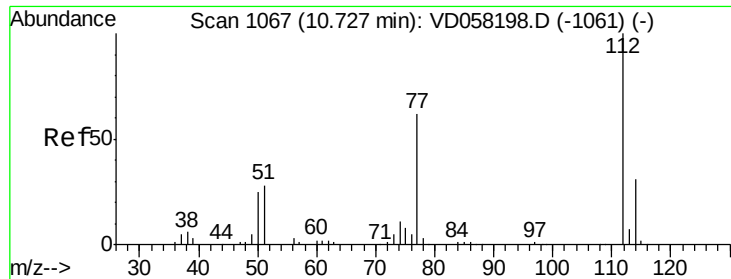
#64
Tetrachloroethene
Concen: 22.37 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion:164 Resp: 181751
Ion Ratio Lower Upper
164 100
166 129.8 105.4 158.0
129 80.3 59.6 89.4
131 78.2 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

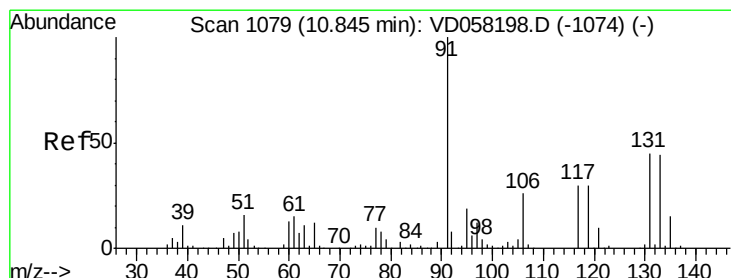
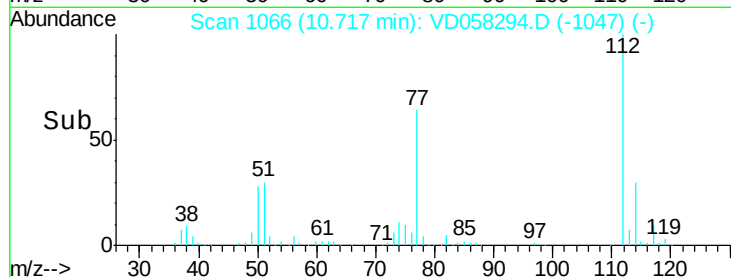
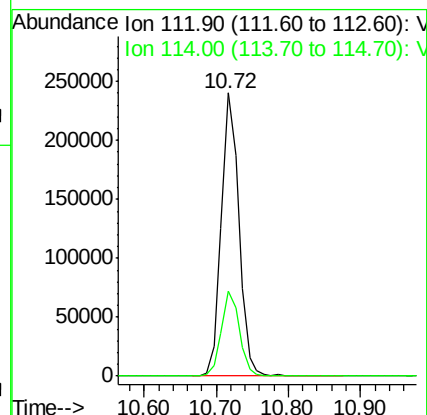
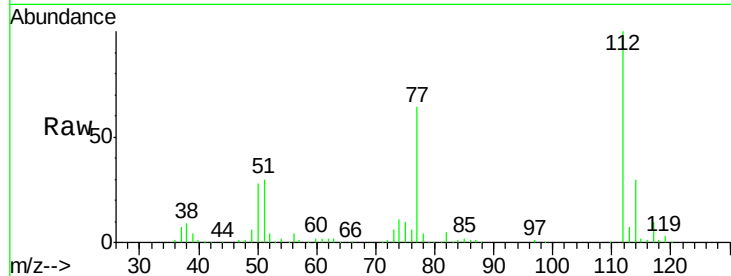




#65
Chlorobenzene
Concen: 22.33 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

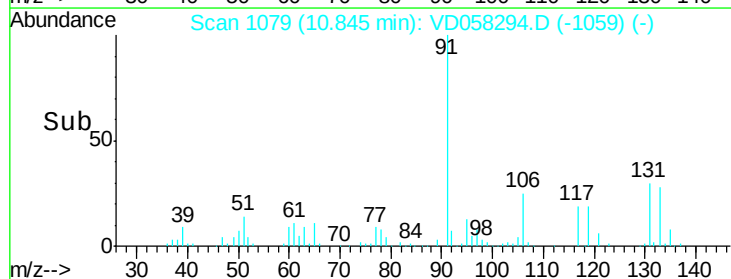
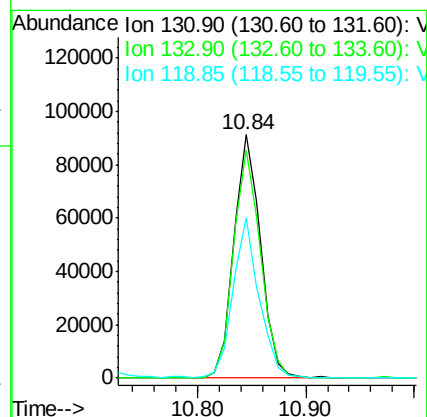
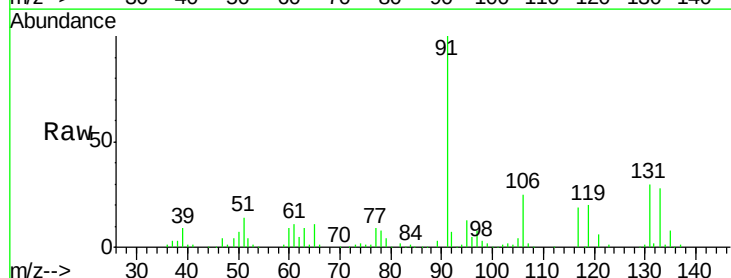
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

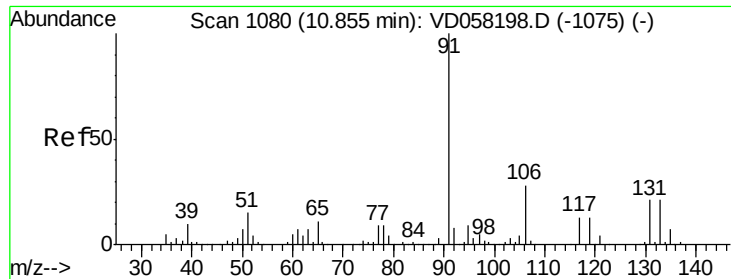
Tot Ion:112 Resp: 403321
Ion Ratio Lower Upper
112 100
114 30.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.46 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion:131 Resp: 156521
Ion Ratio Lower Upper
131 100
133 93.8 48.6 145.9
119 65.6 33.0 99.0

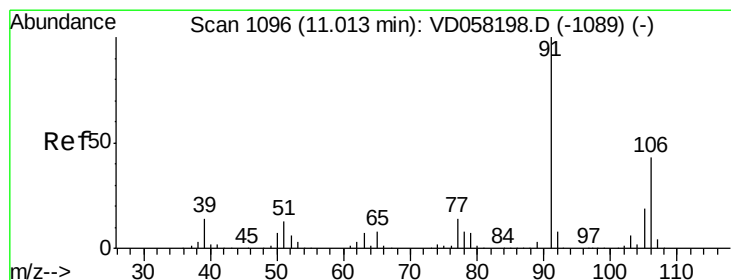
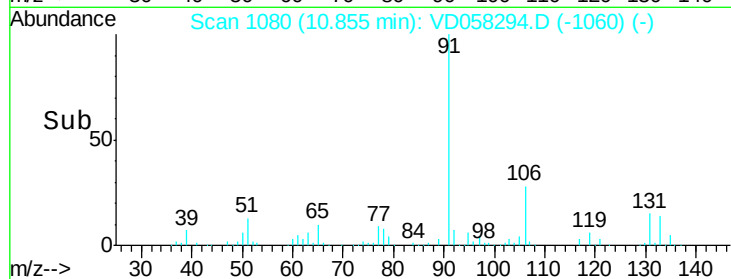
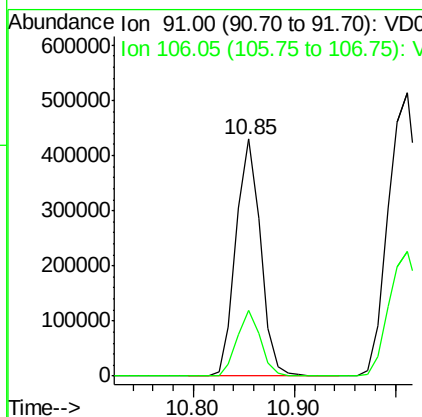
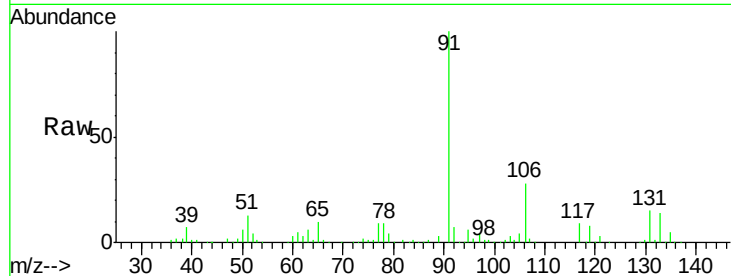




#67
Ethyl Benzene
Concen: 22.90 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

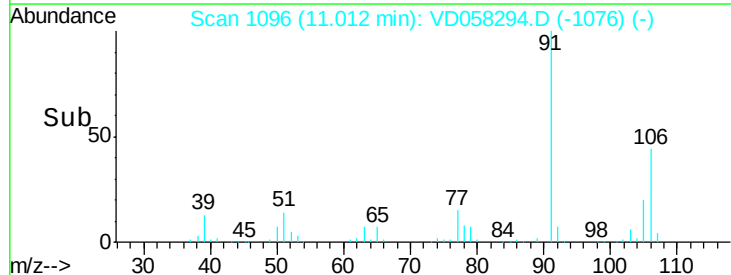
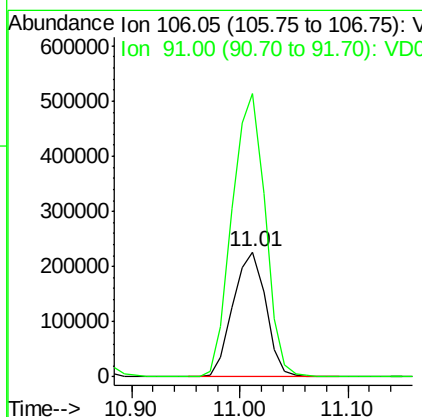
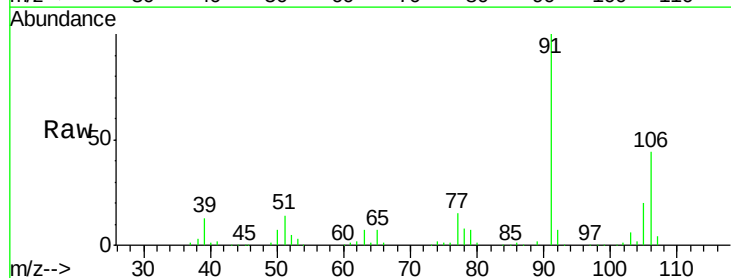
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

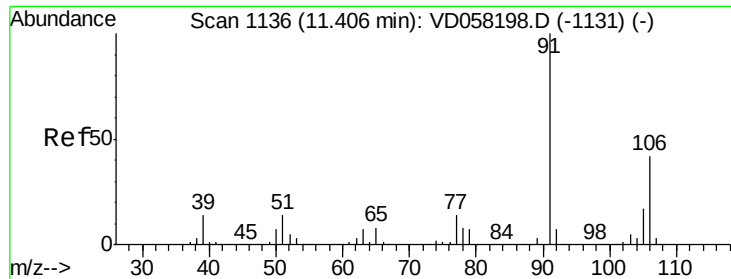
Tot Ion: 91 Resp: 730054
Ion Ratio Lower Upper
91 100
106 27.8 22.0 33.0



#68
m/p-Xylenes
Concen: 45.20 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion: 106 Resp: 480644
Ion Ratio Lower Upper
106 100
91 226.4 185.0 277.6

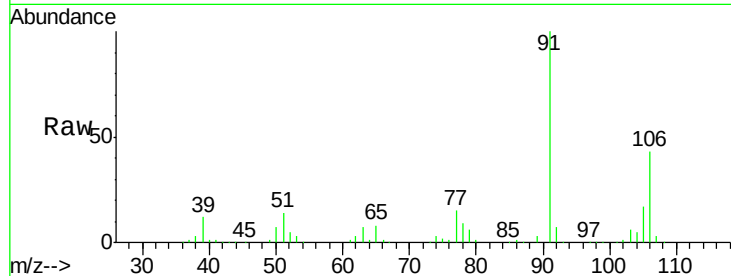




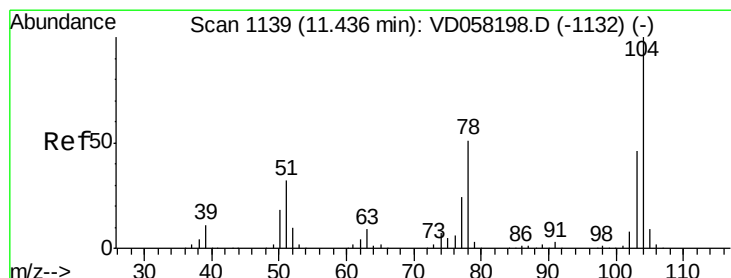
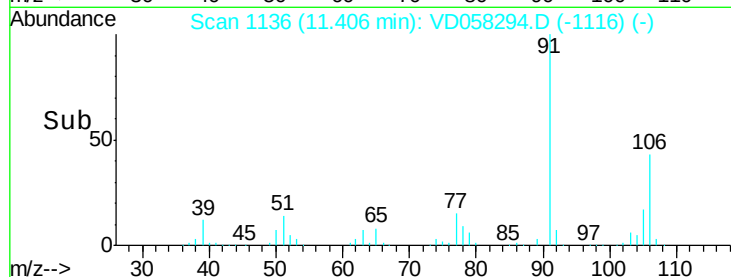
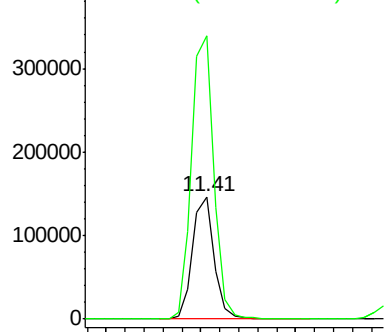
#69
o-Xylene
Concen: 22.77 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion:106 Resp: 231299
Ion Ratio Lower Upper
106 100
91 231.3 120.2 360.6

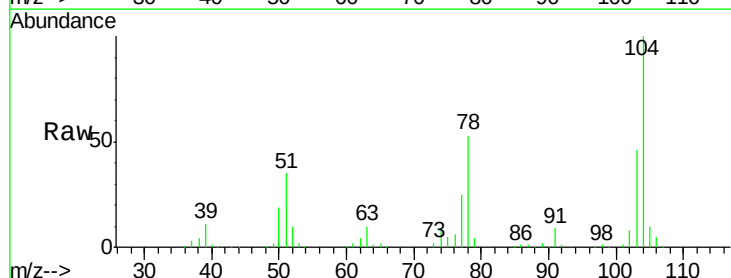


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

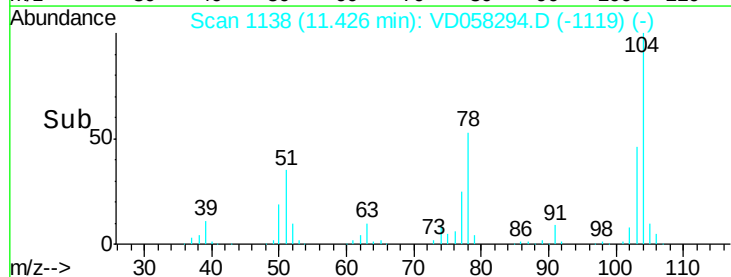
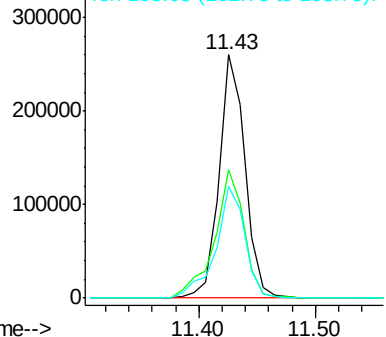


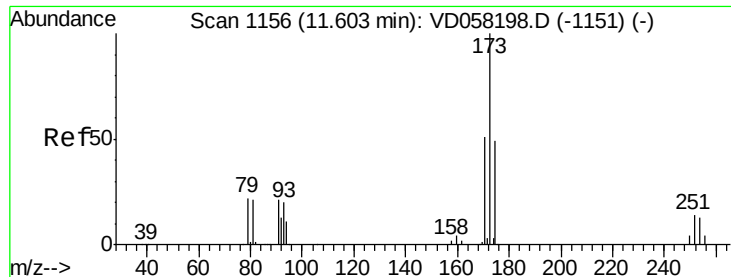
#70
Styrene
Concen: 23.07 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion:104 Resp: 399872
Ion Ratio Lower Upper
104 100
78 52.7 40.8 61.2
103 45.8 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

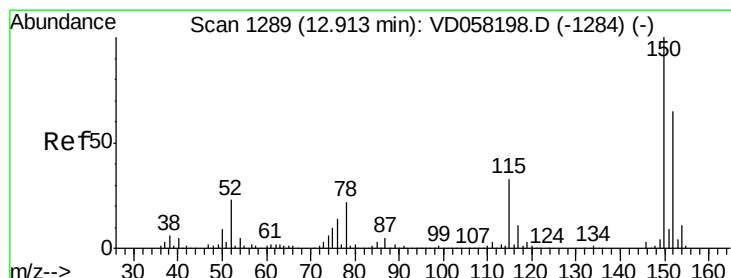
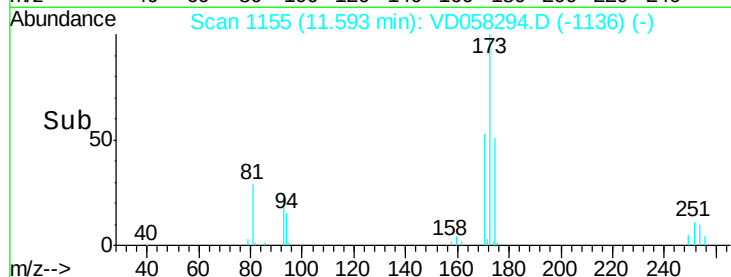
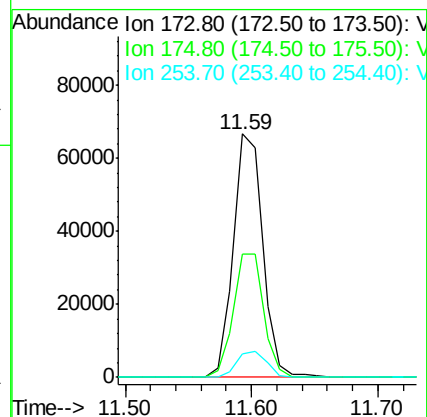
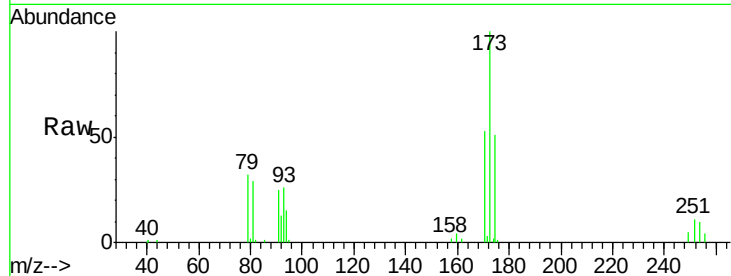




#71
Bromoform
Concen: 19.17 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

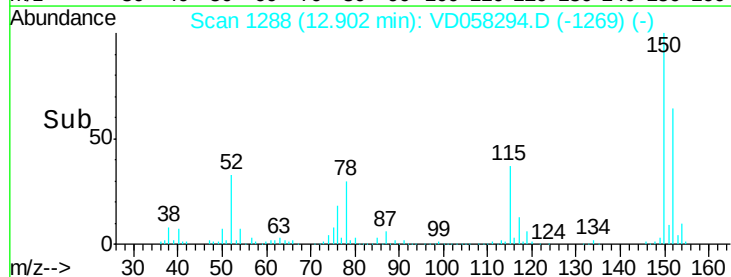
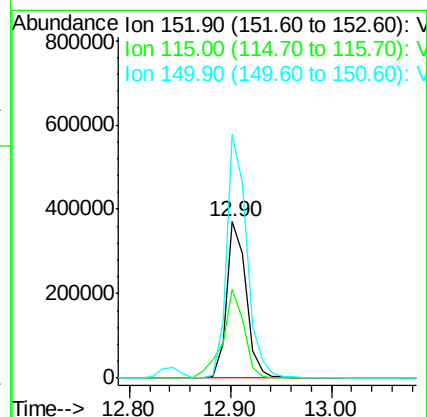
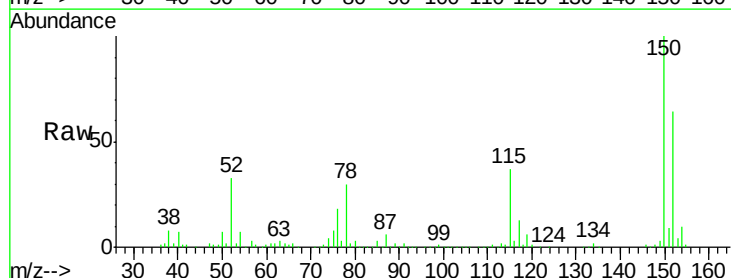
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

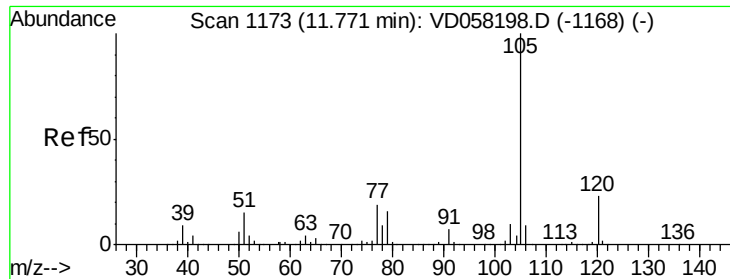
Tot Ion:173 Resp: 106567
Ion Ratio Lower Upper
173 100
175 50.8 24.6 74.0
254 9.6 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058294.D
Acq: 22 Jun 2018 13:49

Tgt Ion:152 Resp: 498615
Ion Ratio Lower Upper
152 100
115 57.0 25.1 75.3
150 156.0 0.0 308.8





#73

Isopropylbenzene

Concen: 21.98 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

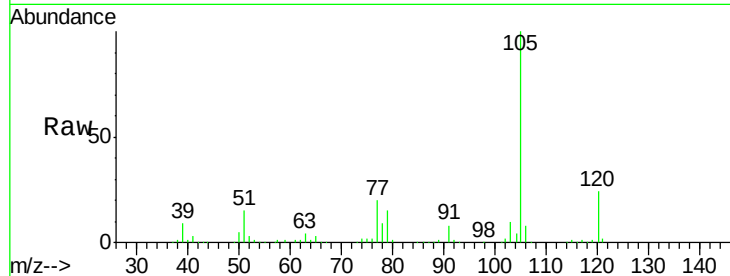
VD0622SBS01

Tot Ion: 105 Resp: 655439

Ion Ratio Lower Upper

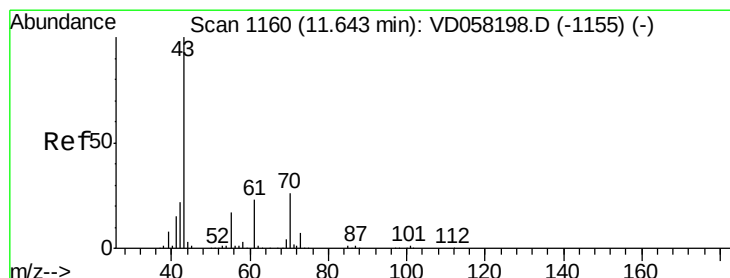
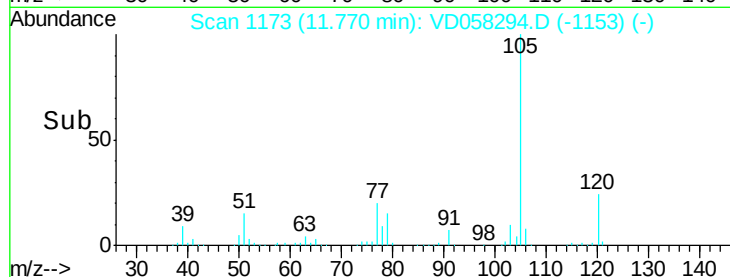
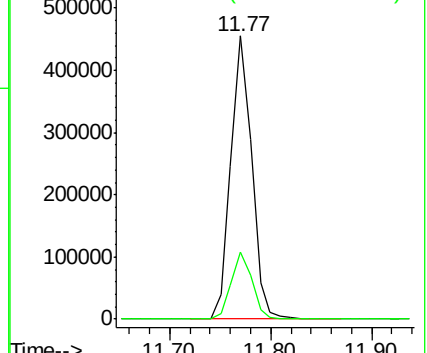
105 100

120 23.7 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.74 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Tgt Ion: 43 Resp: 216080

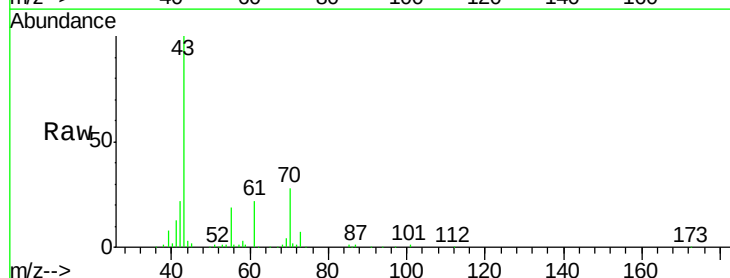
Ion Ratio Lower Upper

43 100

70 27.9 20.9 31.3

55 18.6 13.5 20.3

61 21.6 18.2 27.2

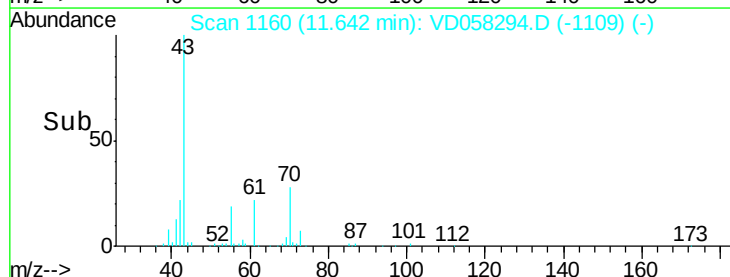
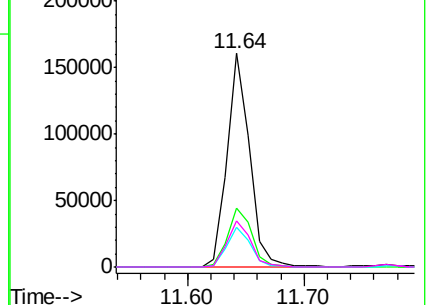


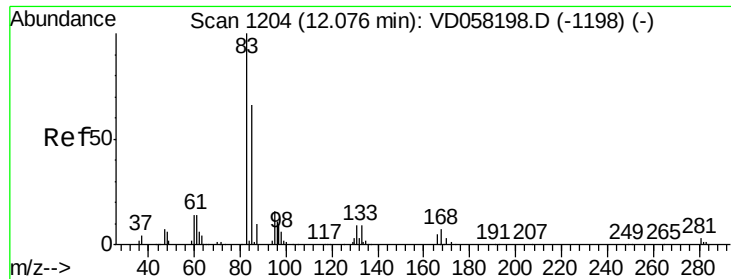
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

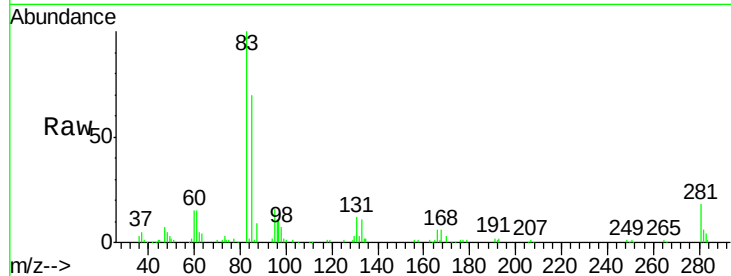
Tot Ion: 83 Resp: 139577

Ion	Ratio	Lower	Upper
83	100		
131	11.8	4.8	14.3
85	69.6	33.1	99.5

83 100

131 11.8 4.8 14.3

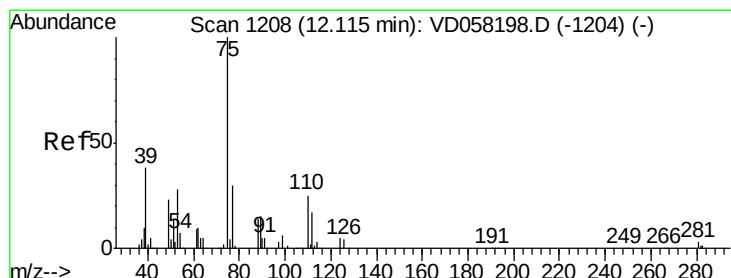
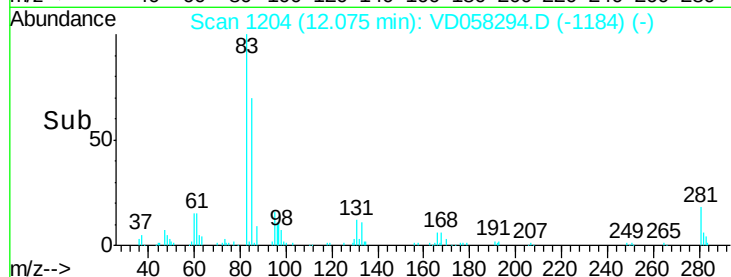
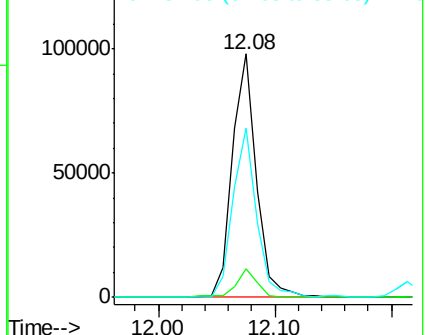
85 69.6 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.46 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD058294.D

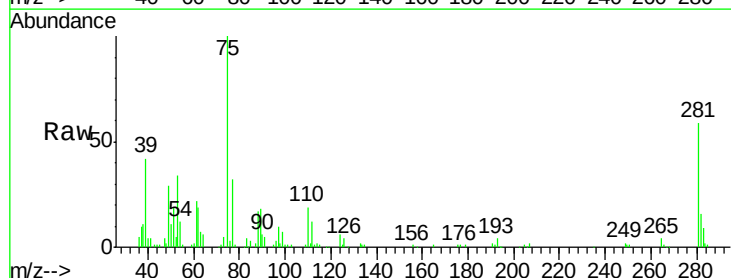
Acq: 22 Jun 2018 13:49

Tgt Ion: 75 Resp: 148981

Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.0	47.9

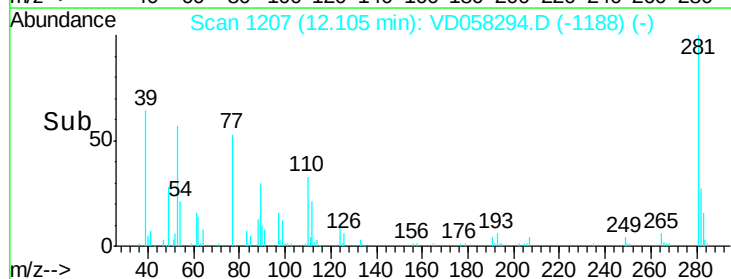
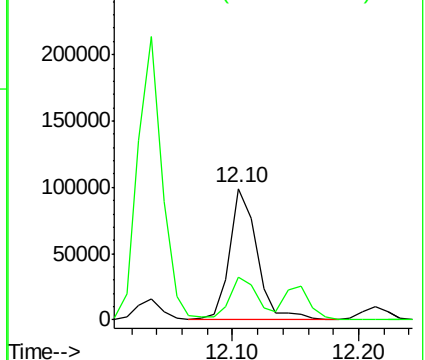
75 100

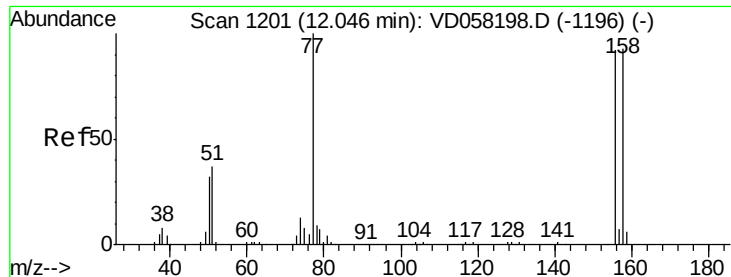
77 32.5 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.27 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

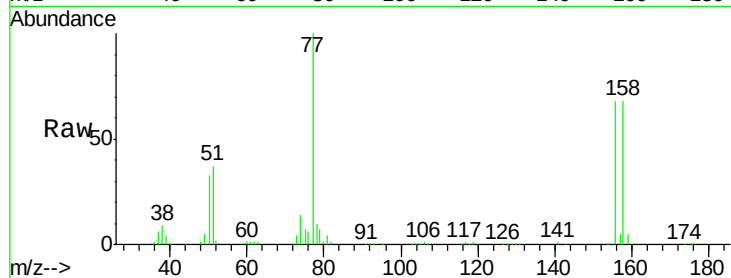
Tot Ion:156 Resp: 198867

Ion Ratio Lower Upper

156 100

77 147.0 54.5 163.6

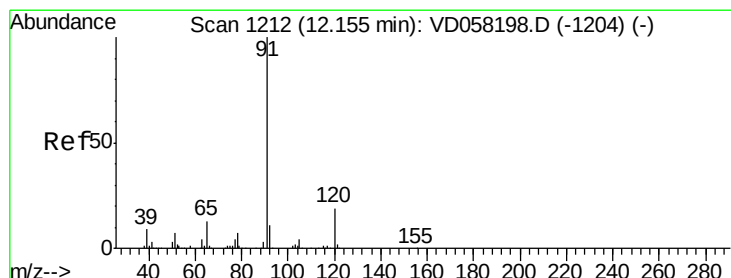
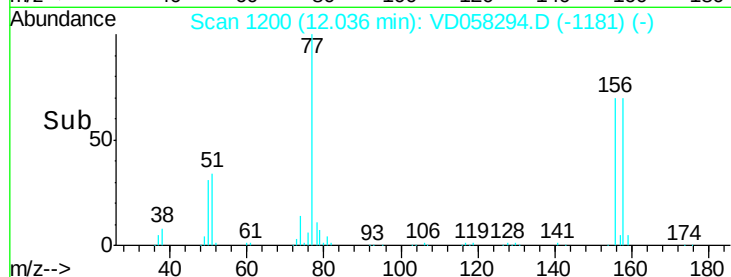
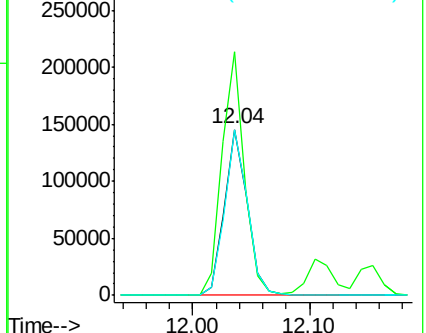
158 100.0 50.8 152.5



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: 23.30 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058294.D

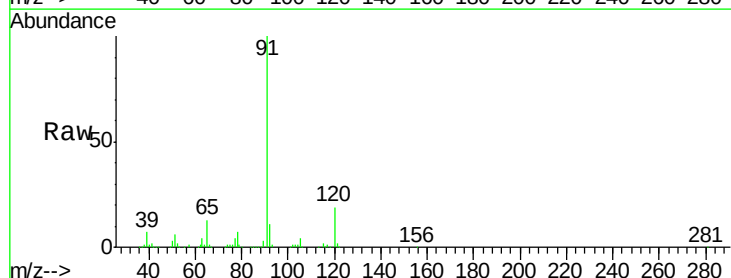
Acq: 22 Jun 2018 13:49

Tgt Ion: 91 Resp: 897593

Ion Ratio Lower Upper

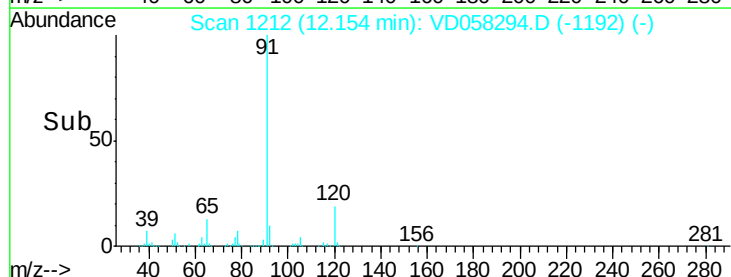
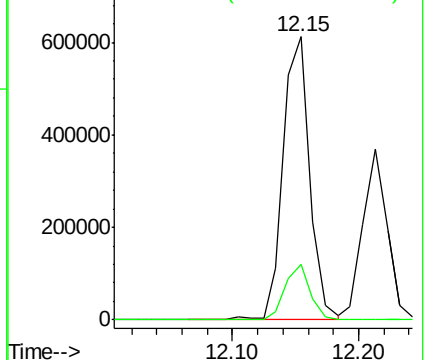
91 100

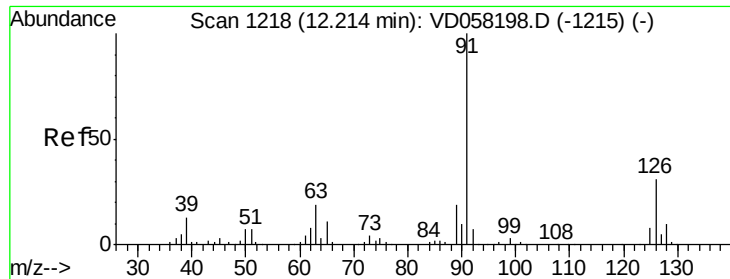
120 19.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

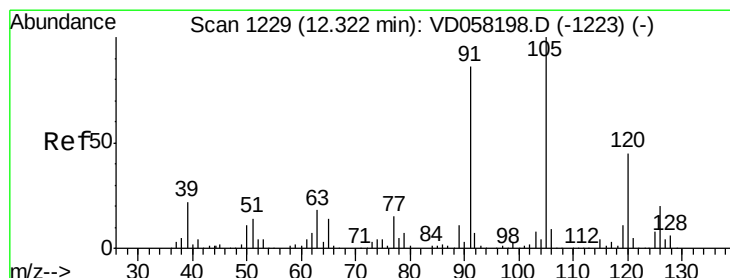
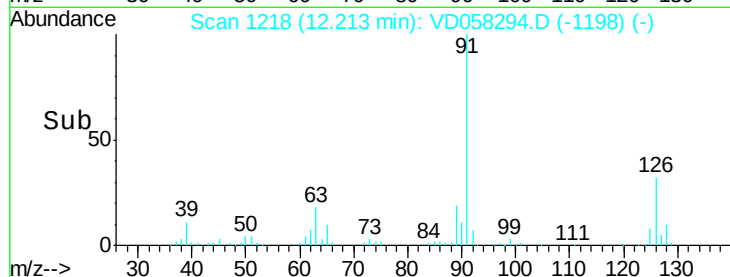
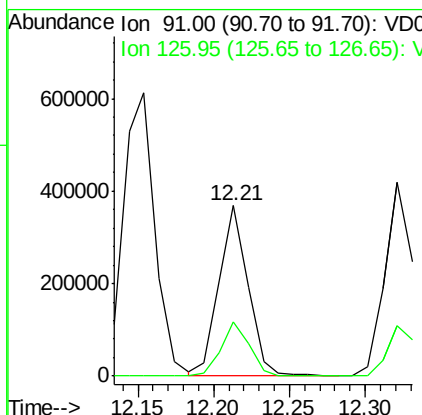
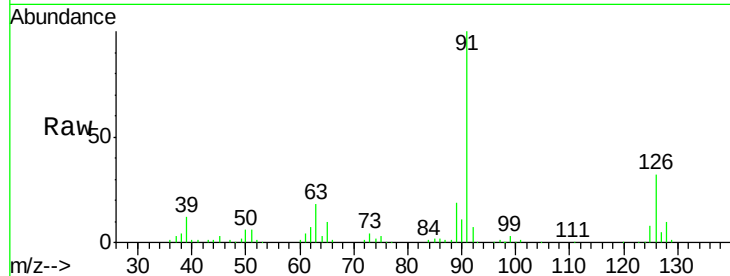




#79
 2-Chlorotoluene
 Concen: 22.28 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

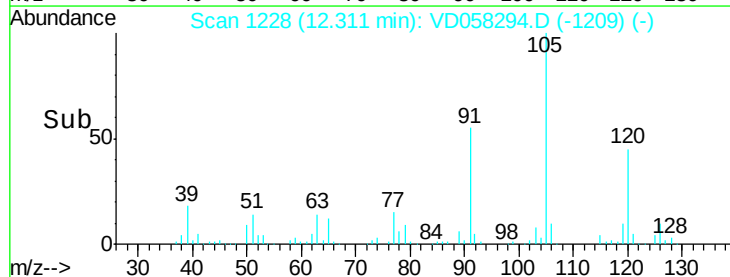
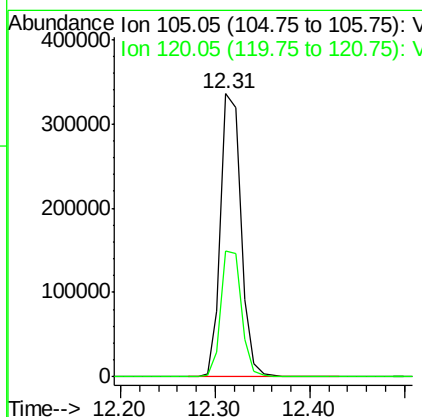
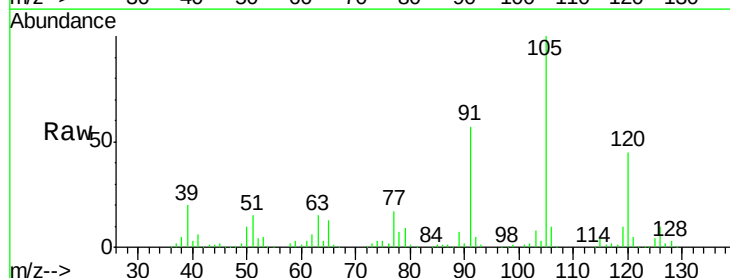
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

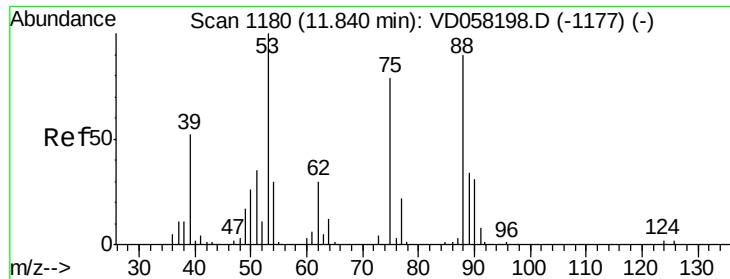
Tot Ion: 91 Resp: 491009
 Ion Ratio Lower Upper
 91 100
 126 31.5 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.67 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion: 105 Resp: 504148
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.56 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

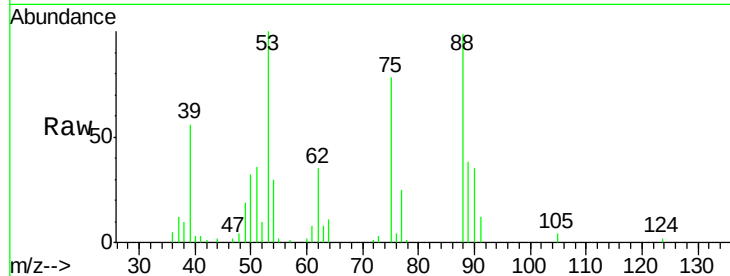
Tot Ion: 75 Resp: 31182

Ion Ratio Lower Upper

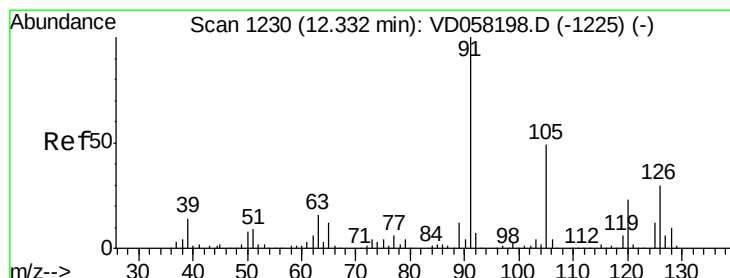
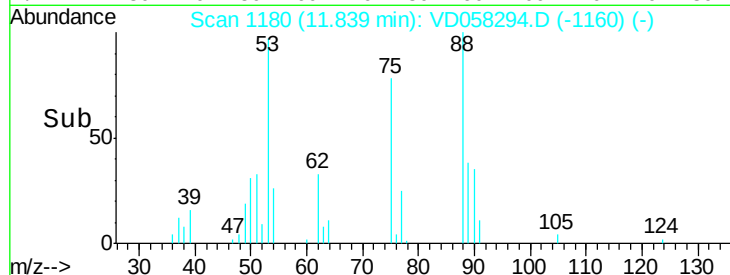
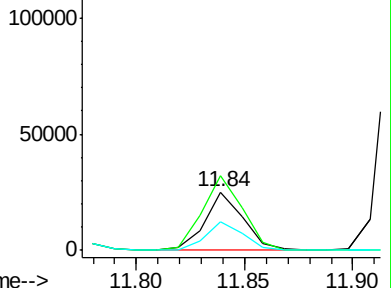
75 100

53 128.5 100.8 151.2

89 48.2 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: 22.72 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058294.D

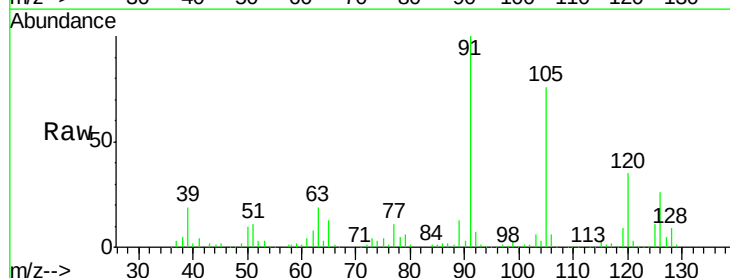
Acq: 22 Jun 2018 13:49

Tgt Ion: 91 Resp: 551648

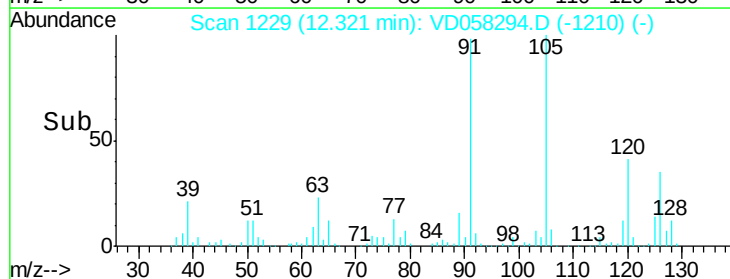
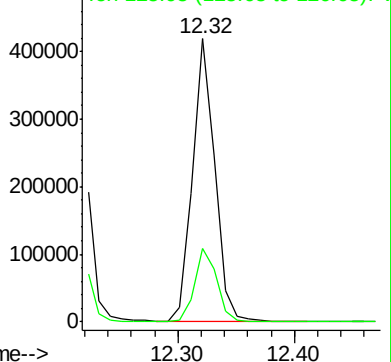
Ion Ratio Lower Upper

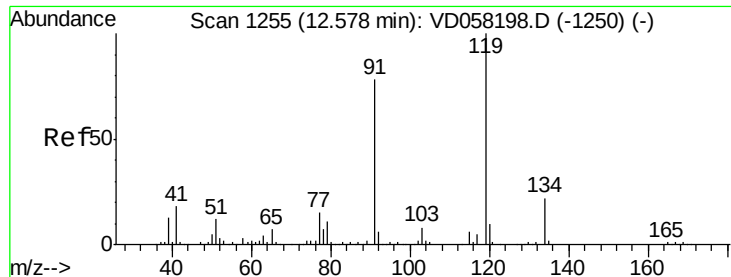
91 100

126 26.1 14.9 44.9



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

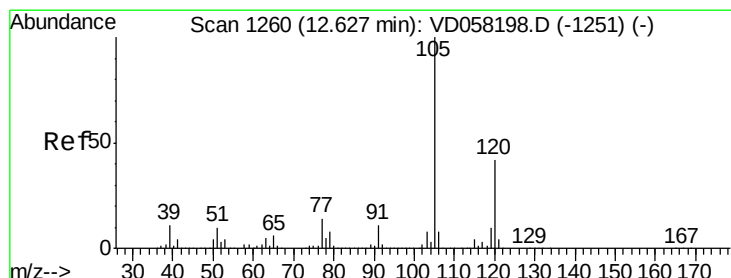
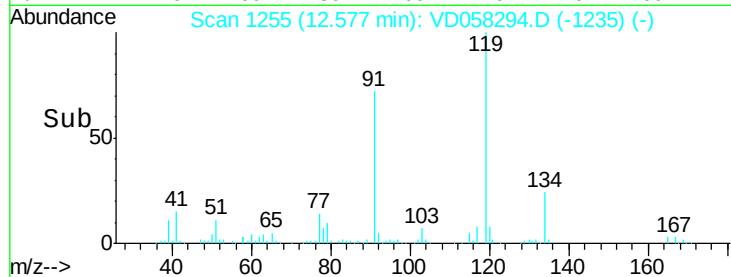
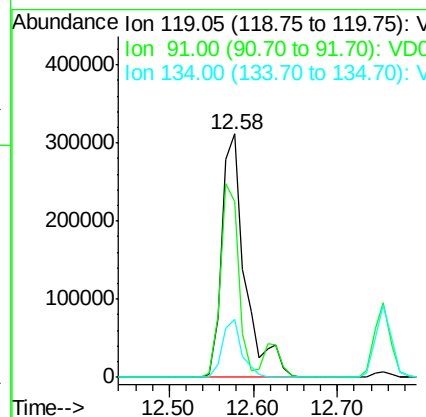
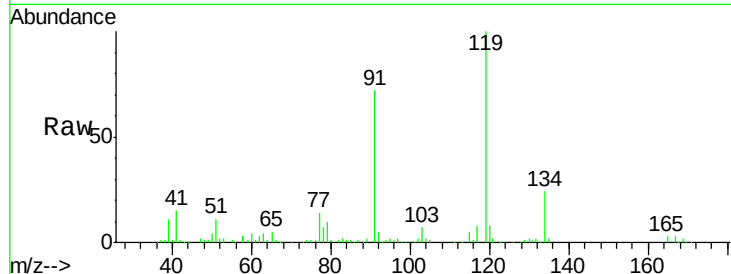




#83
 tert-Butylbenzene
 Concen: 22.36 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

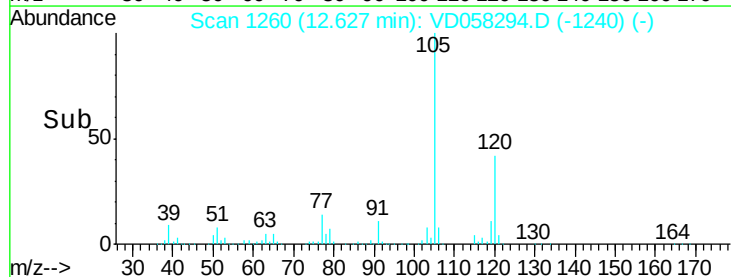
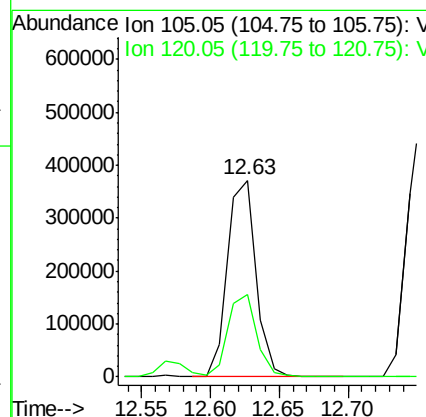
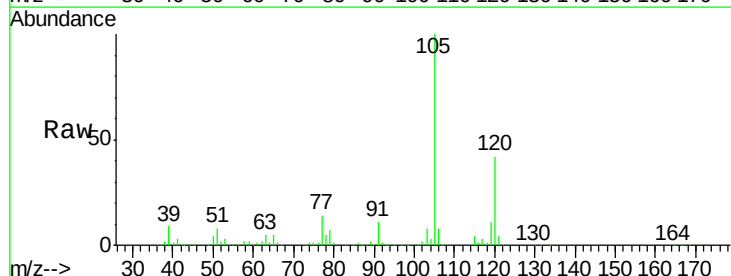
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

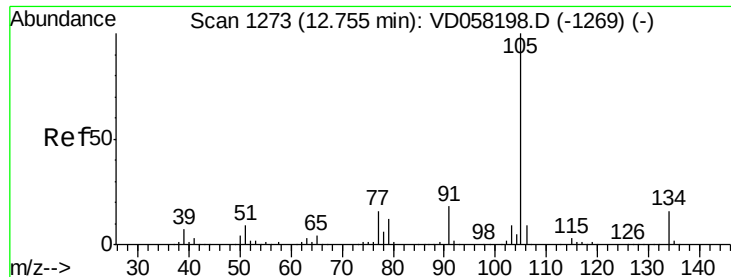
Tot Ion:119 Resp: 597952
 Ion Ratio Lower Upper
 119 100
 91 72.0 38.9 116.6
 134 23.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.05 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion:105 Resp: 532325
 Ion Ratio Lower Upper
 105 100
 120 42.2 20.8 62.4





#85

sec-Butylbenzene

Concen: 22.87 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

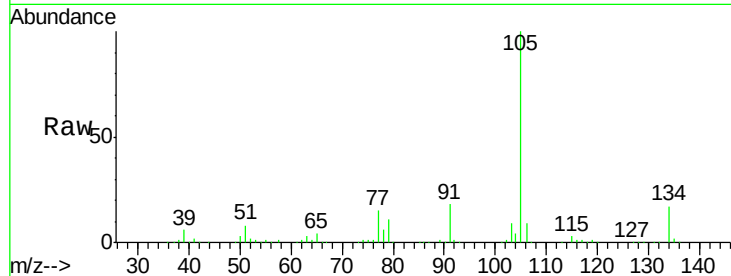
VD0622SBS01

Tot Ion:105 Resp: 716852

Ion Ratio Lower Upper

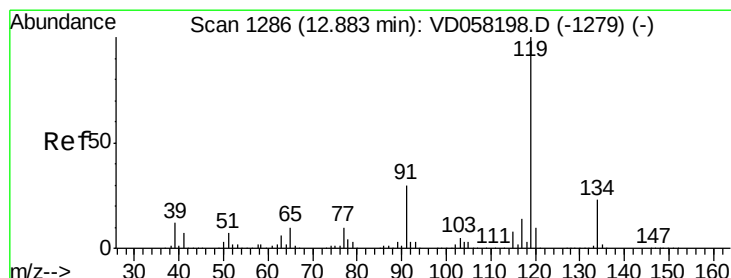
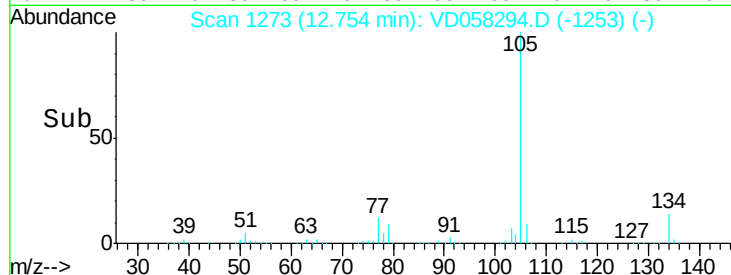
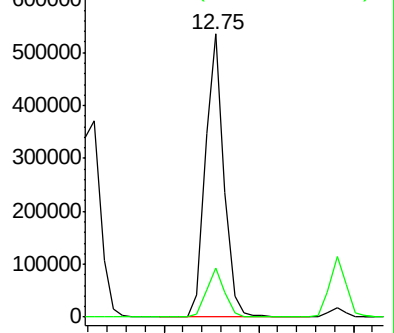
105 100

134 17.3 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.39 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

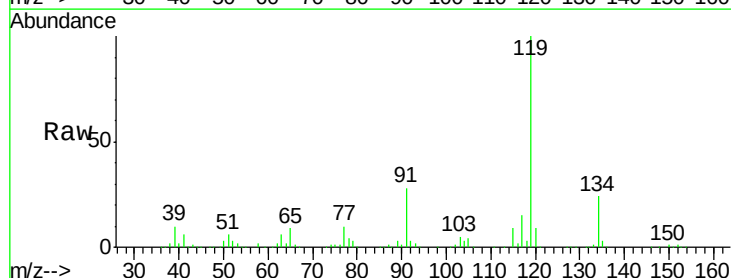
Tgt Ion:119 Resp: 594239

Ion Ratio Lower Upper

119 100

134 23.9 11.6 34.8

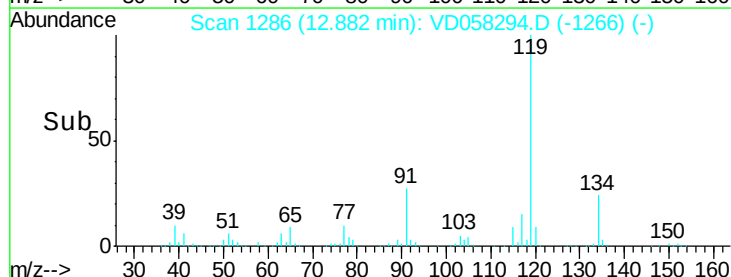
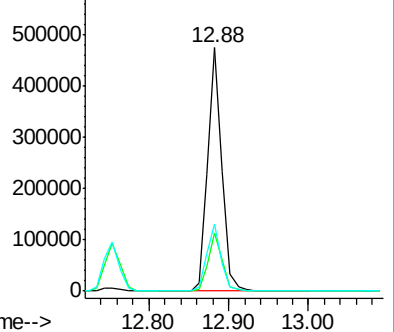
91 27.5 15.0 45.1

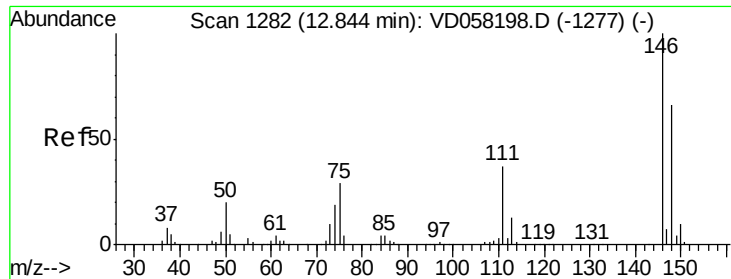


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

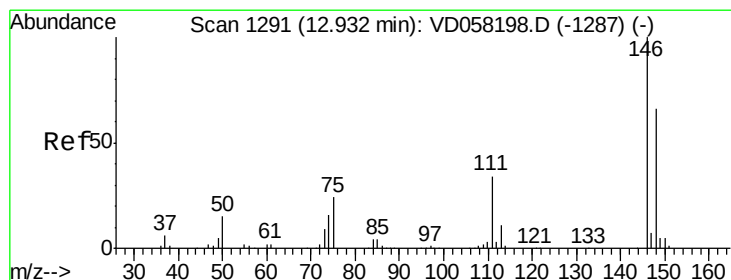
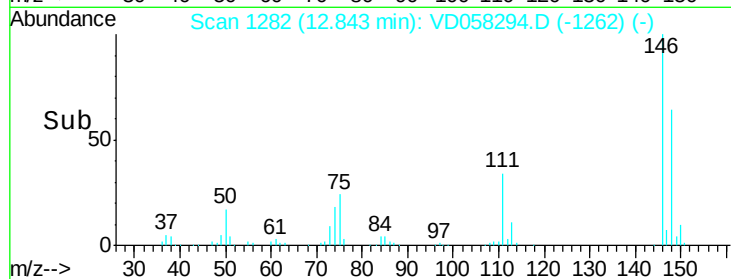
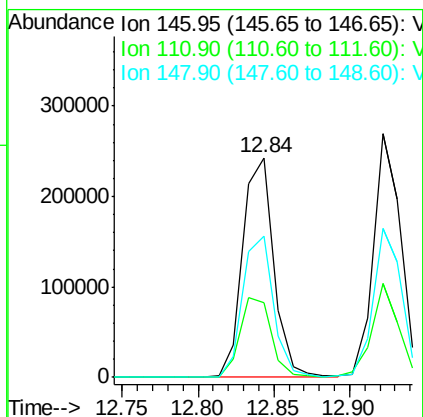
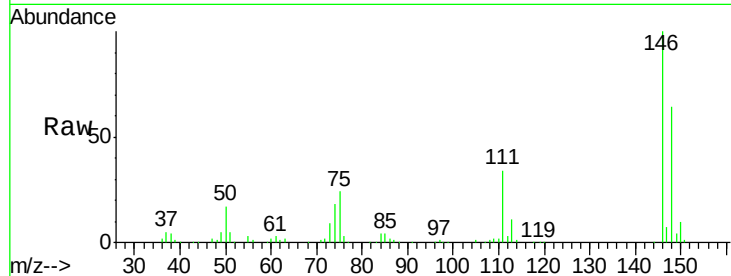




#87
 1,3-Dichlorobenzene
 Concen: 22.39 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

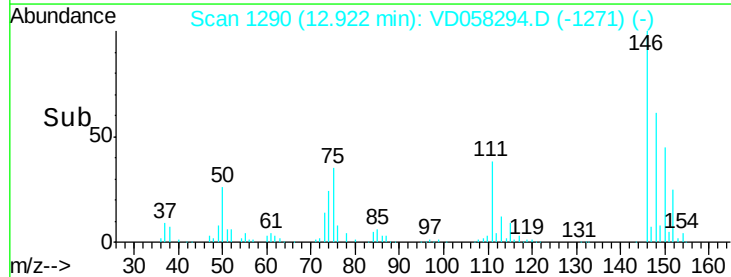
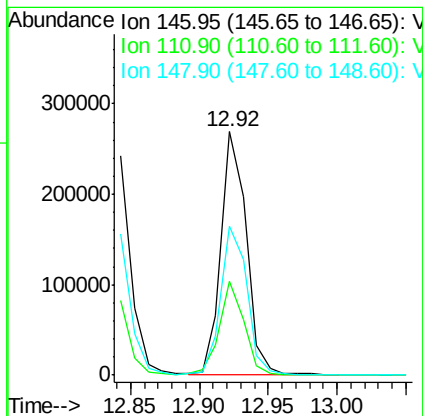
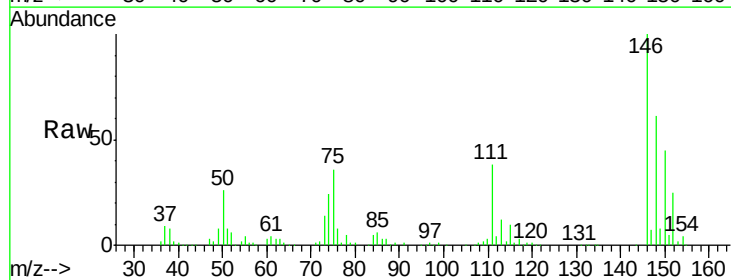
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

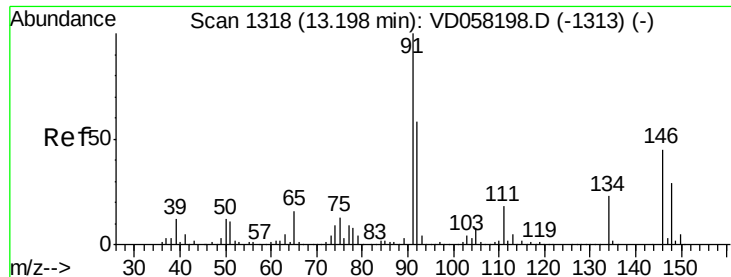
Tot Ion:146 Resp: 347484
 Ion Ratio Lower Upper
 146 100
 111 34.0 18.4 55.0
 148 64.2 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.61 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion:146 Resp: 342802
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.2 51.5
 148 61.4 33.1 99.3





#89

n-Butylbenzene

Concen: 22.97 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

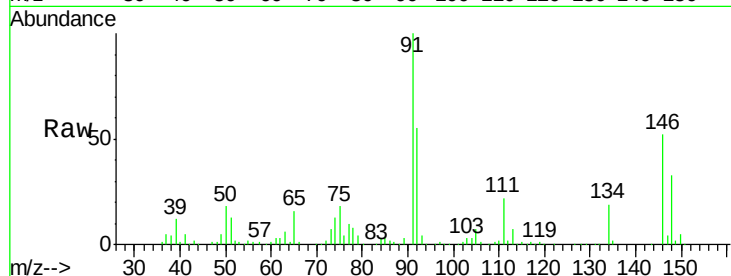
Tot Ion: 91 Resp: 613231

Ion Ratio Lower Upper

91 100

92 55.3 29.2 87.6

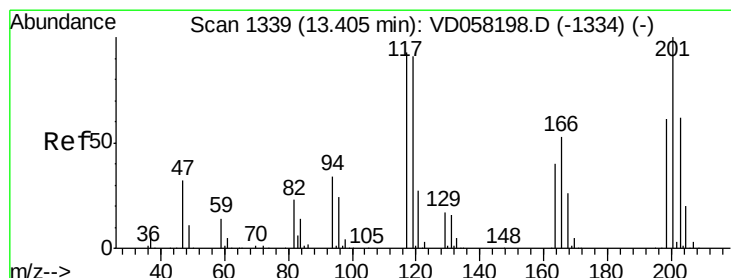
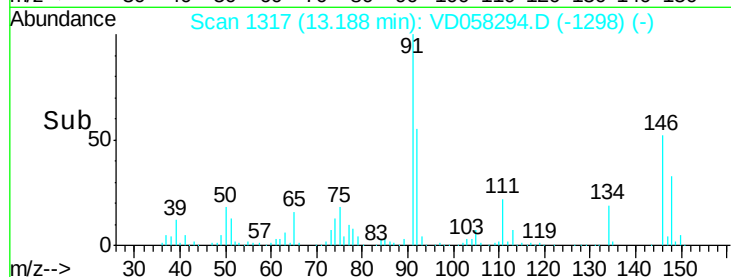
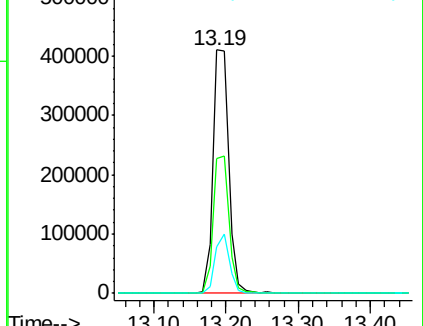
134 18.9 11.3 33.8



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): VDC



#90

Hexachloroethane

Concen: 22.24 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058294.D

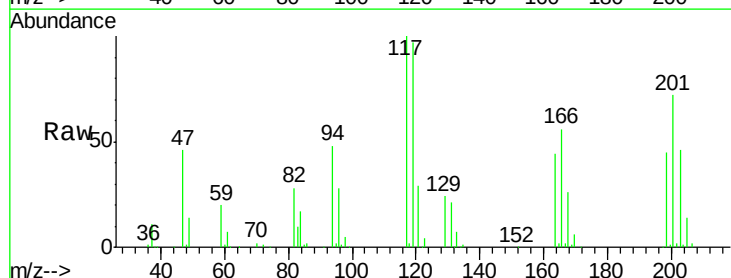
Acq: 22 Jun 2018 13:49

Tgt Ion: 117 Resp: 146611

Ion Ratio Lower Upper

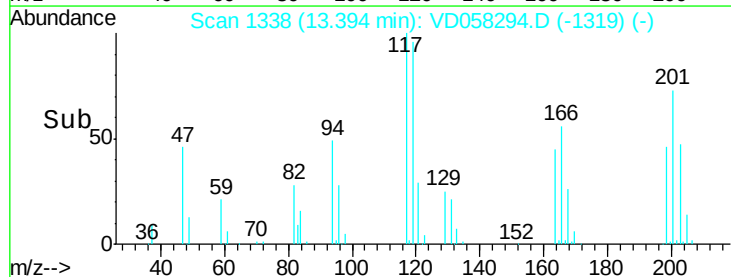
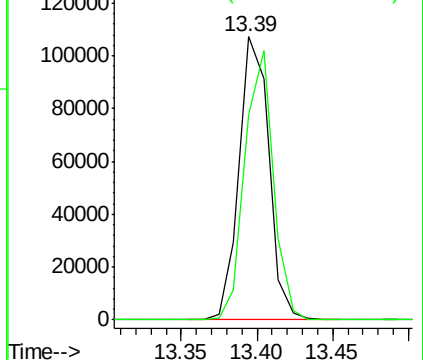
117 100

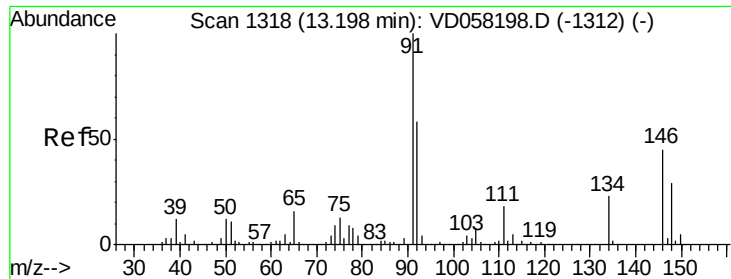
201 72.5 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

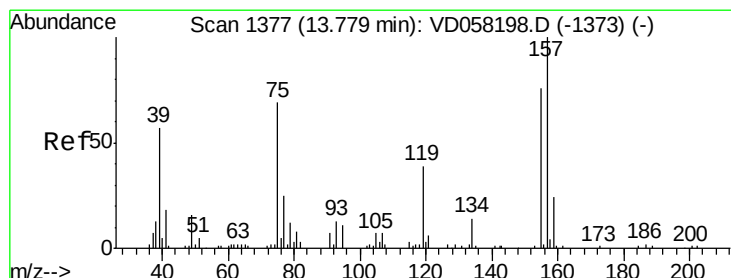
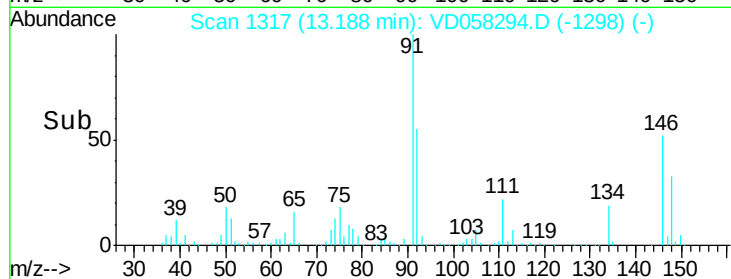
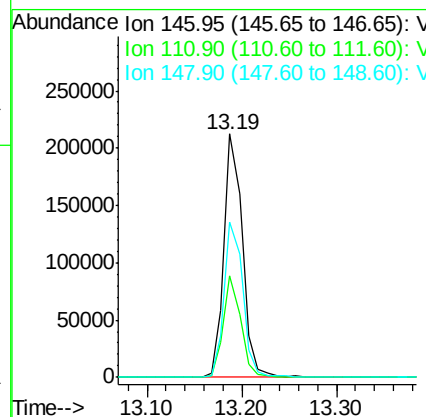
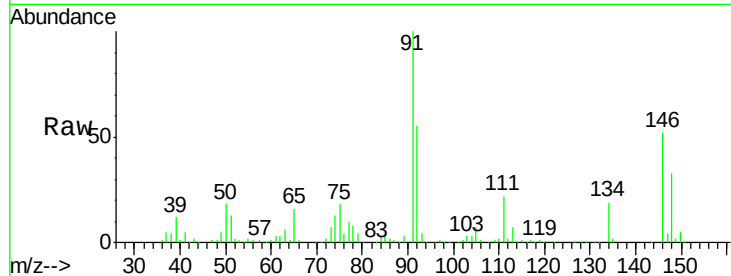




#91
 1,2-Dichlorobenzene
 Concen: 21.78 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

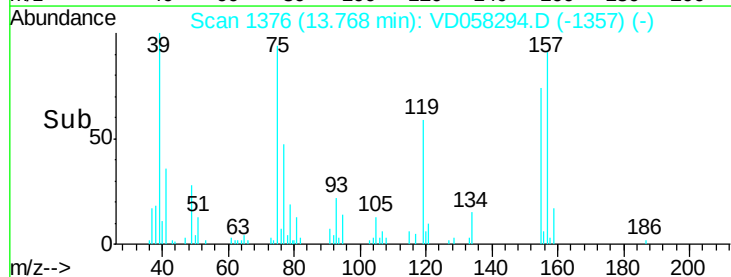
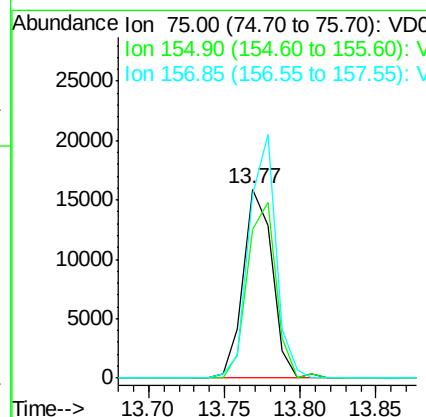
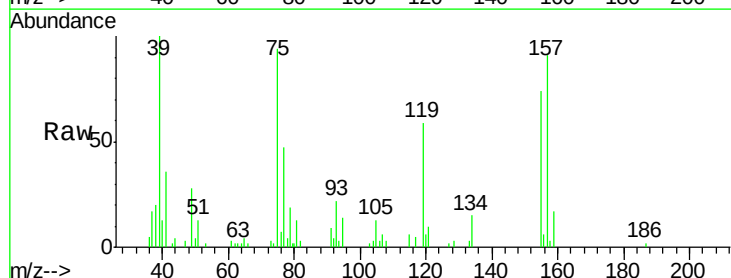
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

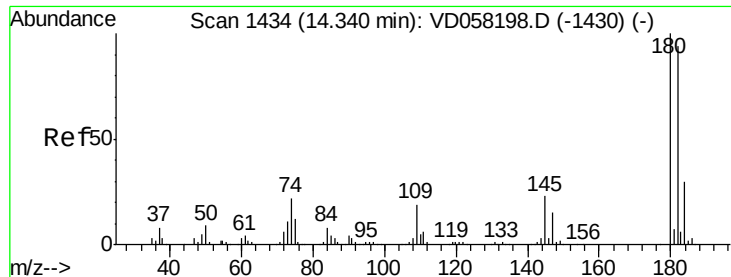
Tot Ion:146 Resp: 287732
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.6 58.7
 148 63.6 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.17 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion: 75 Resp: 21178
 Ion Ratio Lower Upper
 75 100
 155 79.0 54.5 163.5
 157 96.8 72.0 215.9

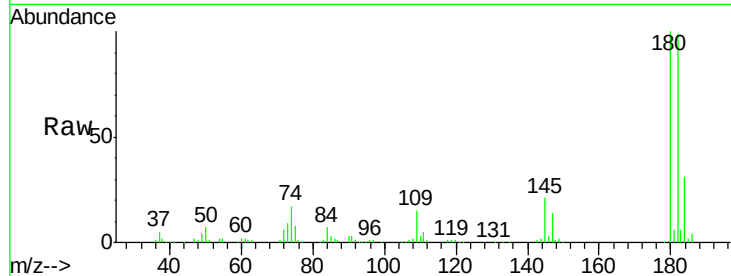




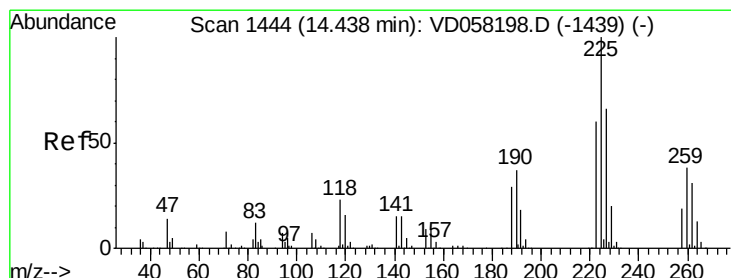
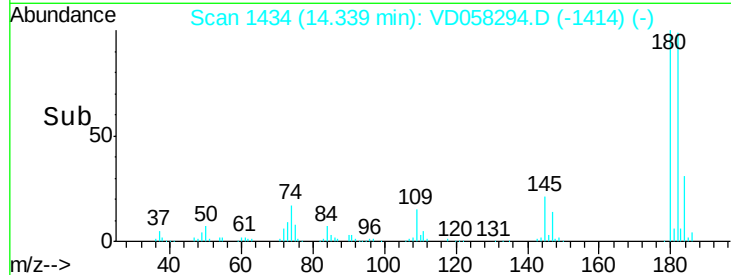
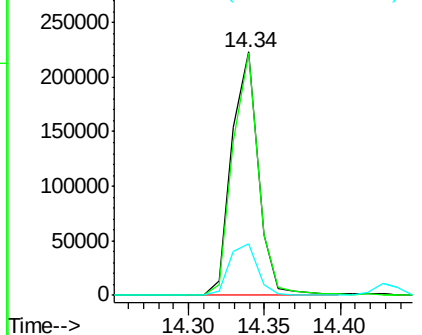
#93
 1,2,4-Trichlorobenzene
 Concen: 21.57 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

Tot Ion:180 Resp: 272502
 Ion Ratio Lower Upper
 180 100
 182 99.4 47.1 141.3
 145 21.3 11.7 35.0

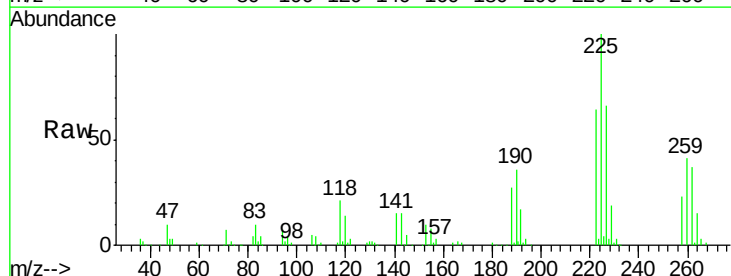


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

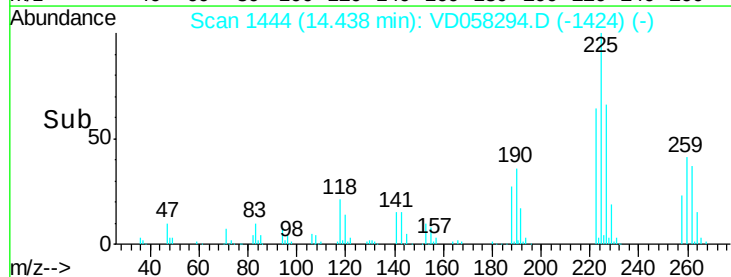
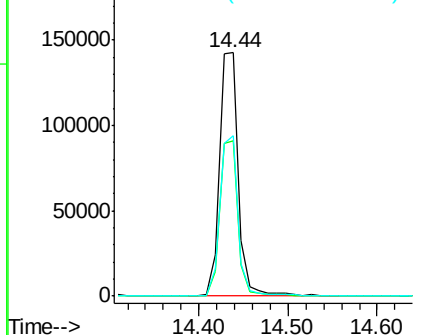


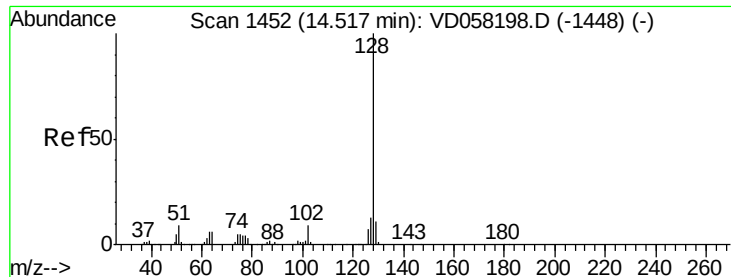
#94
 Hexachlorobutadiene
 Concen: 21.41 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058294.D
 Acq: 22 Jun 2018 13:49

Tgt Ion:225 Resp: 211597
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.1 90.3
 227 65.6 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: 20.17 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

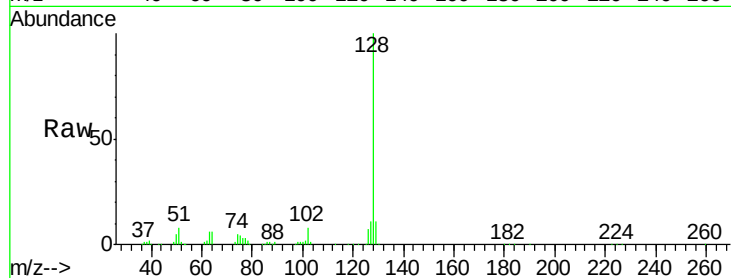
Tot Ion:128 Resp: 335658

Ion Ratio Lower Upper

128 100

127 11.2 10.0 15.0

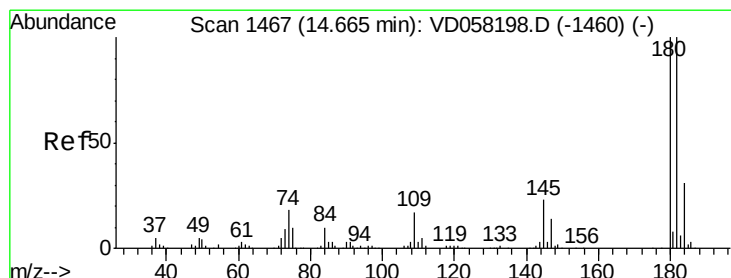
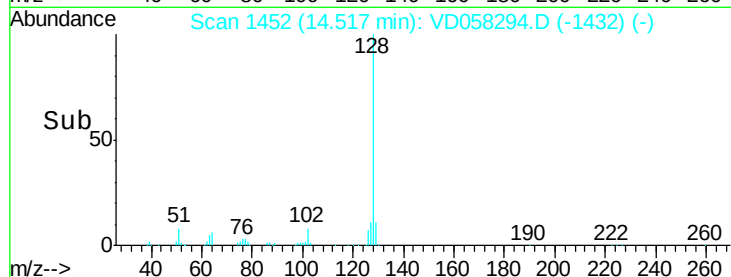
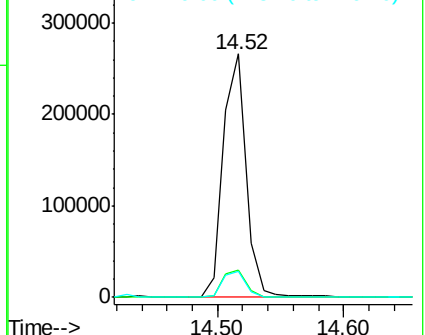
129 10.7 8.7 13.1



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: 20.61 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058294.D

Acq: 22 Jun 2018 13:49

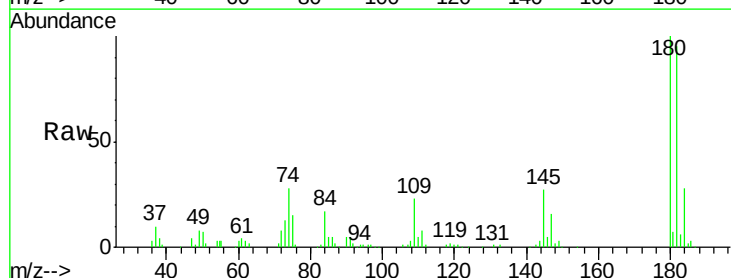
Tgt Ion:180 Resp: 227955

Ion Ratio Lower Upper

180 100

182 94.5 49.9 149.6

145 26.5 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

