

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058247.D
 Acq On : 21 Jun 2018 12:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 06:13:32 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	5.66	168	925549	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1139275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	980379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	500094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	504186	53.93	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	5.56	113	513156	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	
50) Toluene-d8	8.72	98	1297689	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
62) 4-Bromofluorobenzene	11.94	95	503469	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	460520	53.51	ug/l	98
3) Chloromethane	1.49	50	231253	57.95	ug/l	98
4) Vinyl Chloride	1.56	62	238427	49.18	ug/l	98
5) Bromomethane	1.80	94	93229	59.26	ug/l	97
6) Chloroethane	1.89	64	114040	67.78	ug/l	95
7) Trichlorofluoromethane	2.09	101	377938	56.85	ug/l	95
8) Diethyl Ether	2.35	74	72005	51.21	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.56	101	225359	53.32	ug/l	91
10) Methyl Iodide	2.69	142	255331	53.11	ug/l	98
11) Tert butyl alcohol	3.26	59	76949	249.56	ug/l	96
12) 1,1-Dichloroethene	2.56	96	172061	54.11	ug/l	98
13) Acrolein	2.48	56	28493	161.88	ug/l	96
14) Allyl chloride	2.93	41	395940	53.50	ug/l	94
15) Acrylonitrile	3.36	53	232153	283.95	ug/l	93
16) Acetone	2.61	43	367085	287.12	ug/l	95
17) Carbon Disulfide	2.76	76	499791	46.20	ug/l	98
18) Methyl Acetate	2.94	43	122672	44.99	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	698363	82.80	ug/l	100
20) Methylene Chloride	3.08	84	183574	55.53	ug/l	94
21) trans-1,2-Dichloroethene	3.41	96	257438	74.08	ug/l	82
22) Diisopropyl ether	4.08	45	1433567	48.77	ug/l	99
23) Vinyl Acetate	4.03	43	4004120	254.12	ug/l	99
24) 1,1-Dichloroethane	3.98	63	810421	51.18	ug/l	99
25) 2-Butanone	4.85	43	686311	246.29	ug/l	100
26) 2,2-Dichloropropane	4.81	77	712287	53.72	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	444872	51.23	ug/l	99
28) Bromochloromethane	5.15	49	372048	52.41	ug/l	# 92
29) Tetrahydrofuran	5.19	42	345614	233.02	ug/l	98
30) Chloroform	5.33	83	871032	52.10	ug/l	95
31) Cyclohexane	5.61	56	612626	53.67	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	711646	51.52	ug/l	95
36) 1,1-Dichloropropene	5.75	75	600616	53.29	ug/l	96
37) Ethyl Acetate	4.94	43	331317	51.60	ug/l	98
38) Carbon Tetrachloride	5.74	117	614452	54.87	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058247.D
 Acq On : 21 Jun 2018 12:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 06:13:32 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)
39) Methylcyclohexane	7.29	83	593928	54.10	ug/l	98
40) Benzene	6.02	78	1448755	53.96	ug/l	100
41) Methacrylonitrile	5.13	41	162730	52.48	ug/l	97
42) 1,2-Dichloroethane	6.14	62	564407	52.14	ug/l	99
43) Isopropyl Acetate	7.63	43	427672	49.96	ug/l	99
44) Trichloroethene	6.99	130	435437	54.01	ug/l	96
45) 1,2-Dichloropropane	7.36	63	395228	54.66	ug/l	95
46) Dibromomethane	7.47	93	256081	51.88	ug/l	93
47) Bromodichloromethane	7.75	83	611712	54.35	ug/l	97
48) Methyl methacrylate	7.52	41	248492	47.76	ug/l	99
49) 1,4-Dioxane	7.50	88	49173	1046.94	ug/l	90
51) 4-Methyl-2-Pentanone	8.61	43	1402485	251.15	ug/l	98
52) Toluene	8.82	92	795091	52.01	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	533564	54.52	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	645689	56.28	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	283080	52.34	ug/l	98
56) Ethyl methacrylate	9.32	69	337645	52.20	ug/l	97
57) 1,3-Dichloropropane	9.67	76	480723	52.77	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	861346	268.99	ug/l	100
59) 2-Hexanone	9.79	43	1075859	266.63	ug/l	100
60) Dibromochloromethane	9.97	129	405515	55.25	ug/l	98
61) 1,2-Dibromoethane	10.11	107	309724	52.32	ug/l	99
64) Tetrachloroethene	9.53	164	408135	49.48	ug/l	98
65) Chlorobenzene	10.73	112	925905	50.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	362392	51.21	ug/l	99
67) Ethyl Benzene	10.86	91	1610011	49.73	ug/l	99
68) m/p-Xylenes	11.02	106	1052918	97.52	ug/l	96
69) o-Xylene	11.42	106	514047	49.85	ug/l	99
70) Styrene	11.44	104	856052	48.65	ug/l	95
71) Bromoform	11.60	173	287530	50.93	ug/l	98
73) Isopropylbenzene	11.78	105	1512894	50.58	ug/l	99
74) N-amyl acetate	11.65	43	563479	48.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	339508	48.77	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	337282	46.19	ug/l	99
77) Bromobenzene	12.05	156	460192	51.38	ug/l	85
78) n-propylbenzene	12.16	91	1952435	50.54	ug/l	100
79) 2-Chlorotoluene	12.22	91	1120143	50.67	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1178461	50.51	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	94258	52.93	ug/l	92
82) 4-Chlorotoluene	12.33	91	1250918	59.05	ug/l	93
83) tert-Butylbenzene	12.58	119	1311816	48.90	ug/l	92
84) 1,2,4-Trimethylbenzene	12.64	105	1213156	47.83	ug/l	97
85) sec-Butylbenzene	12.76	105	1606600	51.10	ug/l	96
86) p-Isopropyltoluene	12.89	119	1283411	50.37	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	761360	48.90	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	731367	48.11	ug/l	97
89) n-Butylbenzene	13.20	91	1341357	50.09	ug/l	98
90) Hexachloroethane	13.40	117	355357	53.73	ug/l	77
91) 1,2-Dichlorobenzene	13.20	146	624319	47.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	53467	48.26	ug/l	76

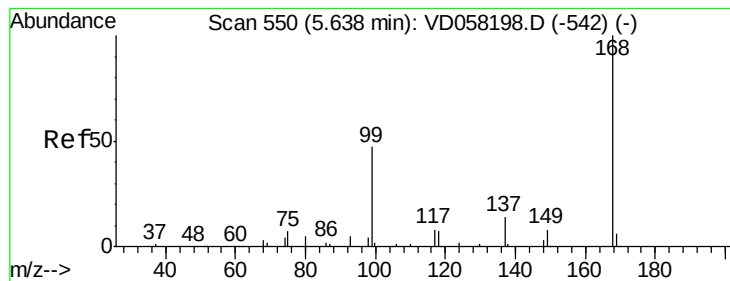
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058247.D
Acq On : 21 Jun 2018 12:20
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Jun 22 06:13:32 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.35	180	622786	49.15	ug/l	96
94) Hexachlorobutadiene	14.44	225	480135	48.44	ug/l	98
95) Naphthalene	14.52	128	802082	48.05	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	536566	48.37	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

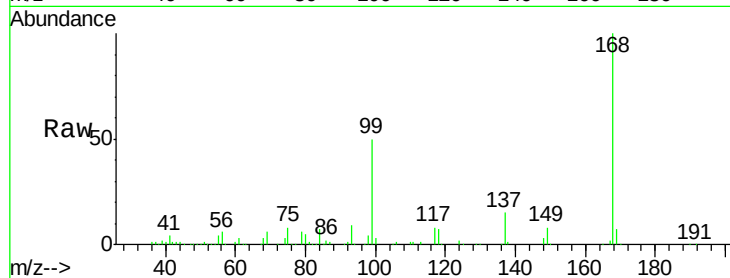
VSTDCCC050

Tot Ion:168 Resp: 925549

Ion Ratio Lower Upper

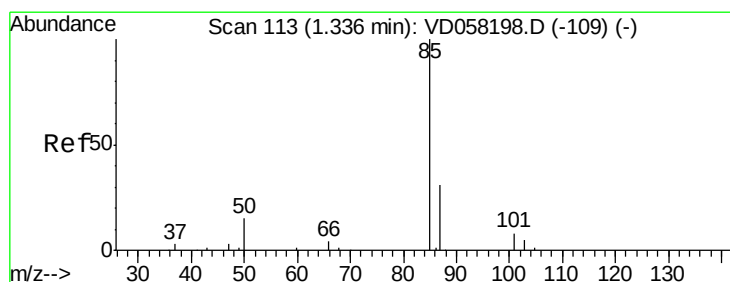
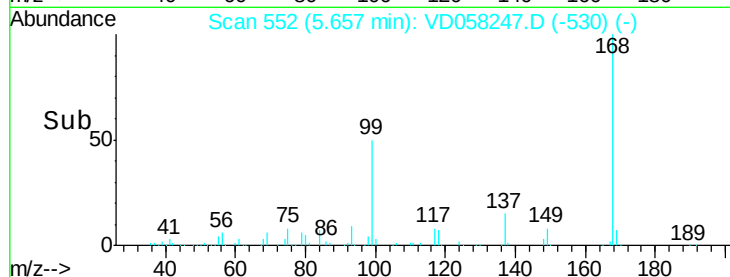
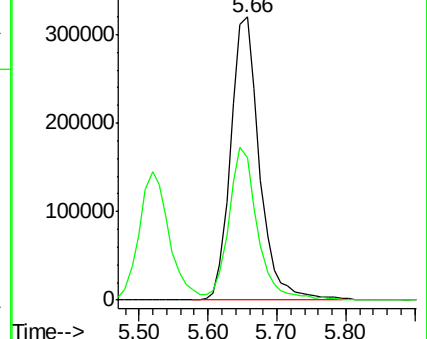
168 100

99 50.4 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: 53.51 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058247.D

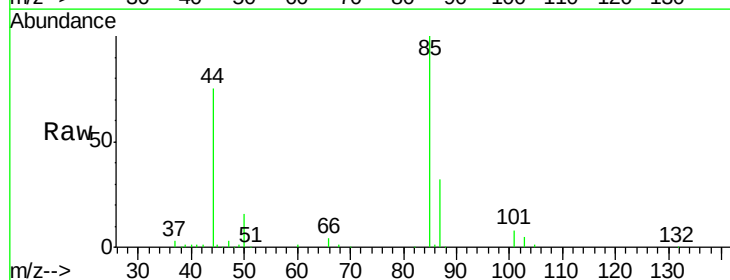
Acq: 21 Jun 2018 12:20

Tgt Ion: 85 Resp: 460520

Ion Ratio Lower Upper

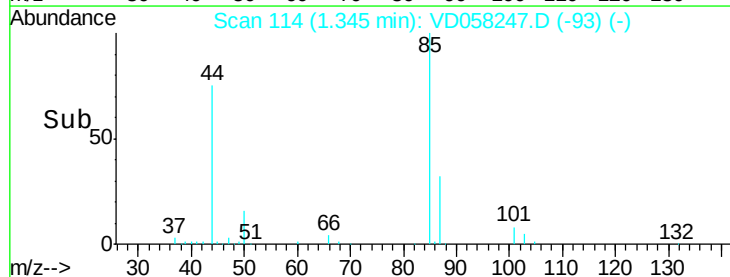
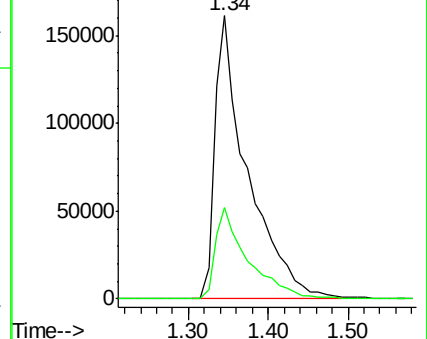
85 100

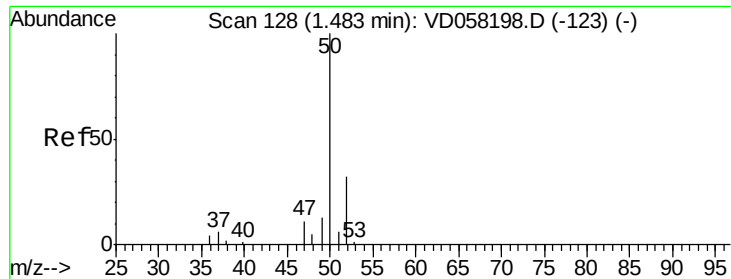
87 32.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.95 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

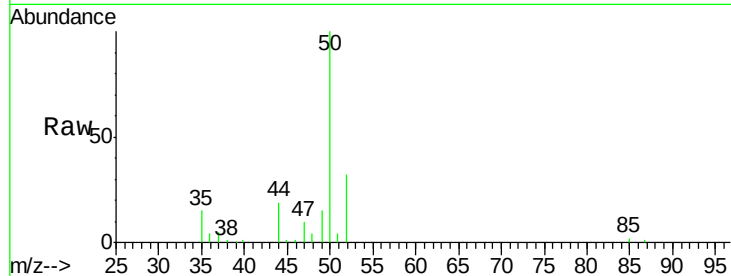
VSTDCCC050

Tot Ion: 50 Resp: 231253

Ion Ratio Lower Upper

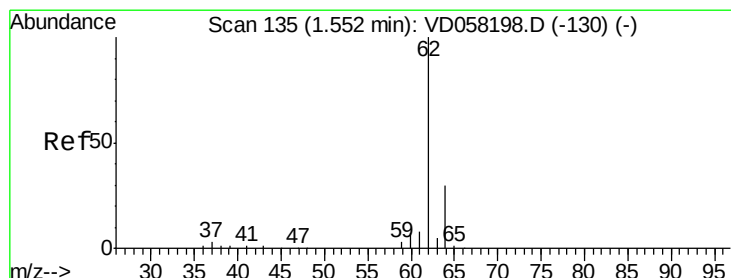
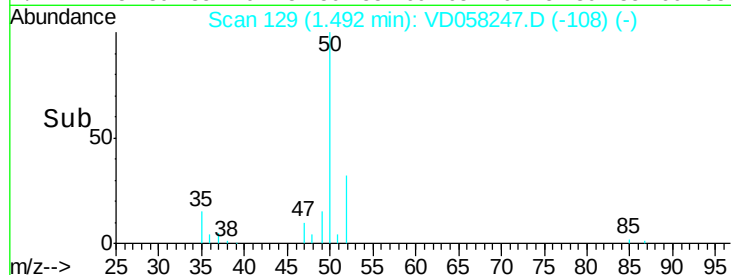
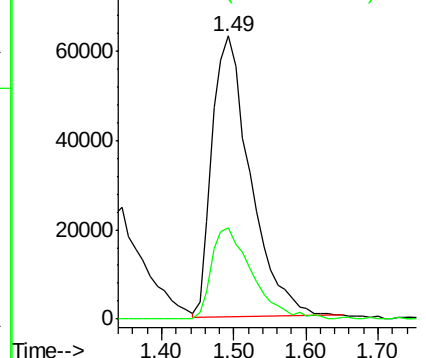
50 100

52 32.2 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: 49.18 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058247.D

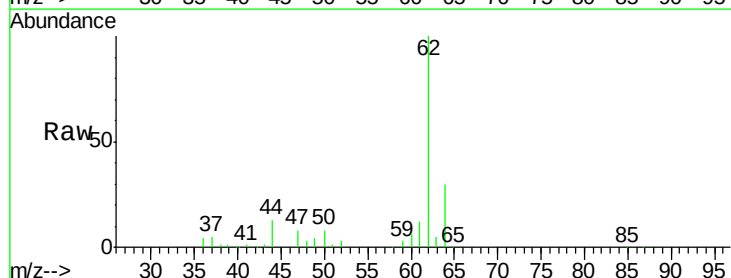
Acq: 21 Jun 2018 12:20

Tgt Ion: 62 Resp: 238427

Ion Ratio Lower Upper

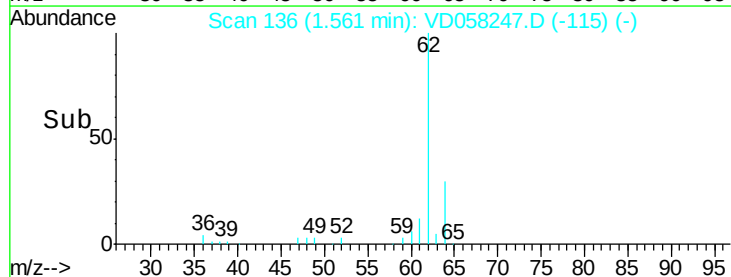
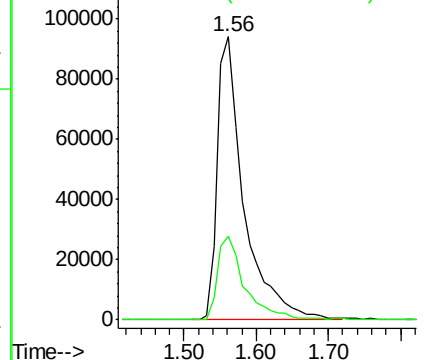
62 100

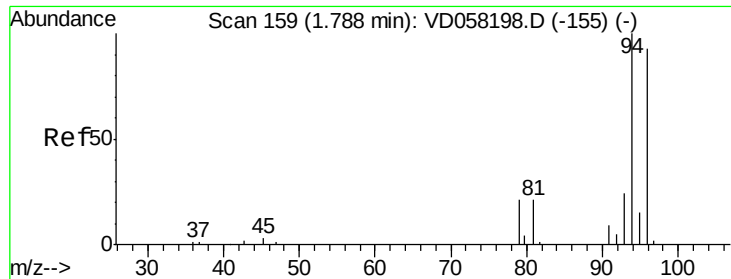
64 29.7 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

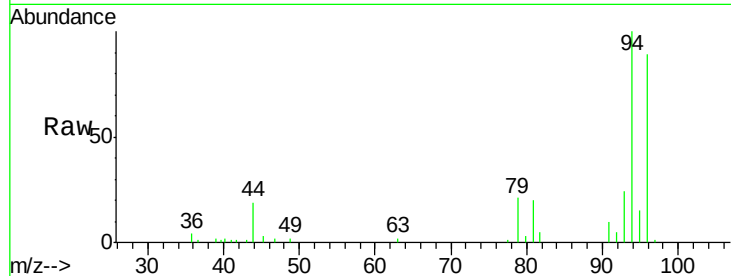




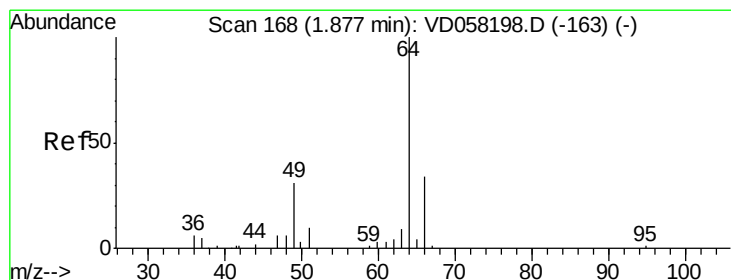
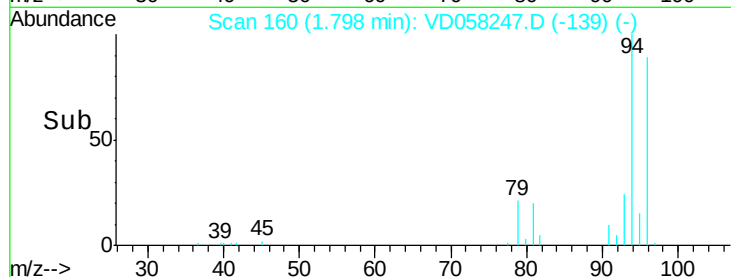
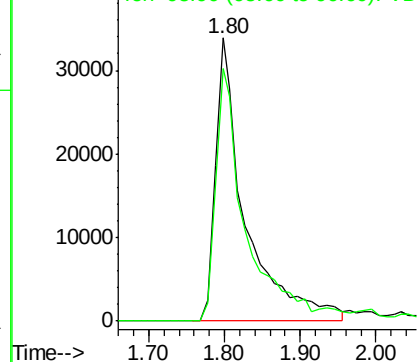
#5
Bromomethane
Concen: 59.26 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 93229
Ion Ratio Lower Upper
94 100
96 89.4 74.2 111.2

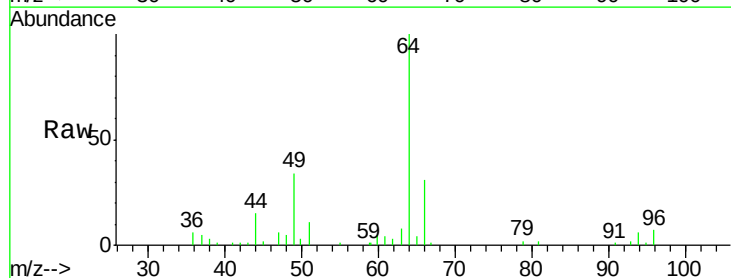


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

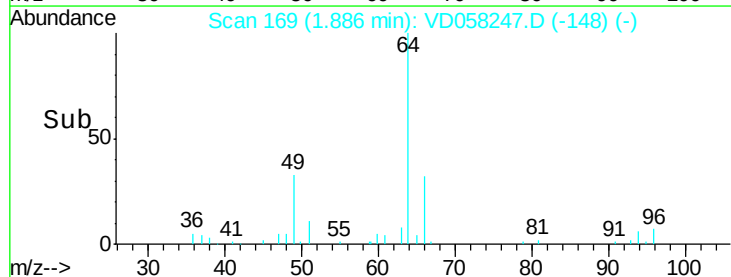
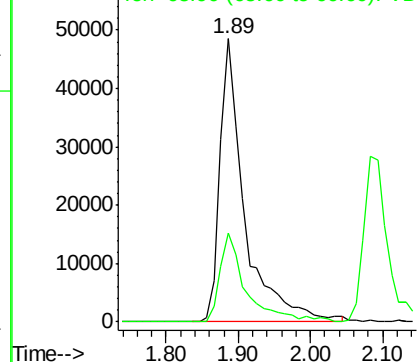


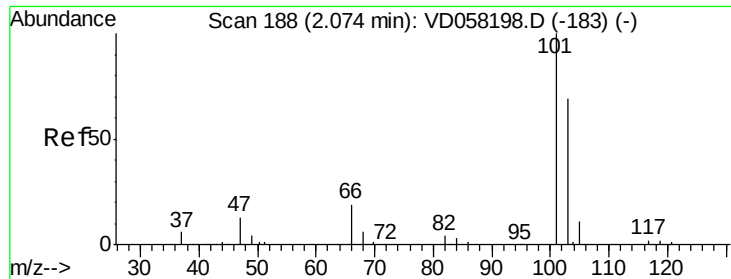
#6
Chloroethane
Concen: 67.78 ug/l
RT: 1.89 min Scan# 169
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 64 Resp: 114040
Ion Ratio Lower Upper
64 100
66 31.3 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: 56.85 ug/l

RT: 2.09 min Scan# 190

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

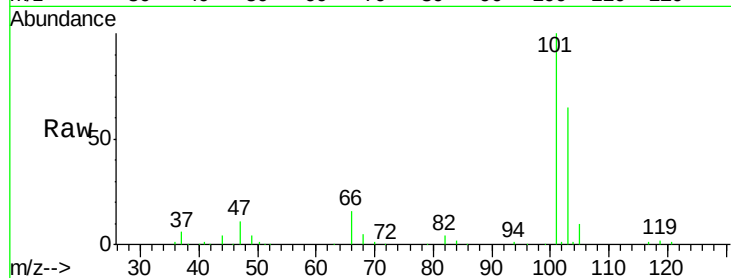
VSTDCCC050

Tot Ion:101 Resp: 377938

Ion Ratio Lower Upper

101 100

103 65.1 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

200000

150000

100000

50000

0

2.09

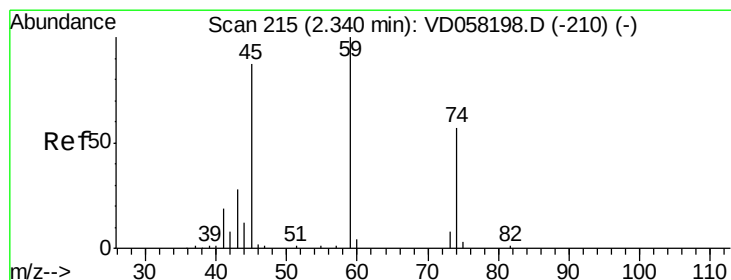
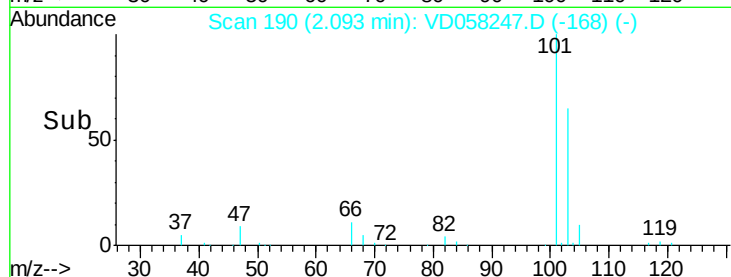
2.00

2.10

2.20

2.30

Time-->



#8

Diethyl Ether

Concen: 51.21 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.01 min

Lab File: VD058247.D

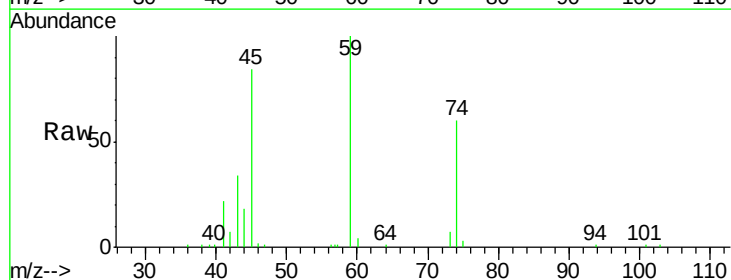
Acq: 21 Jun 2018 12:20

Tgt Ion: 74 Resp: 72005

Ion Ratio Lower Upper

74 100

45 138.5 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

50000

40000

30000

20000

10000

0

2.35

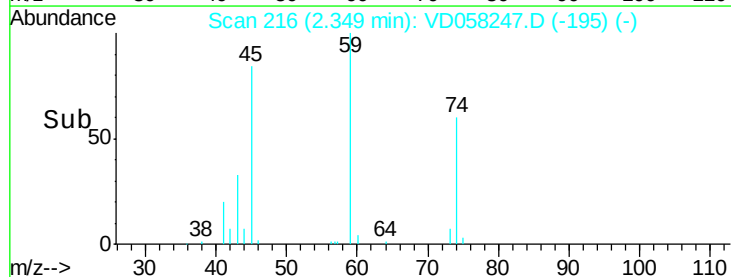
2.20

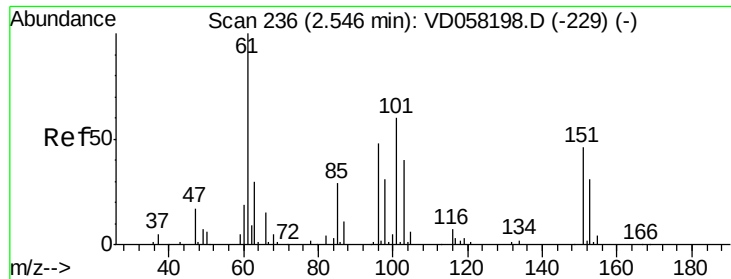
2.30

2.40

2.50

Time-->

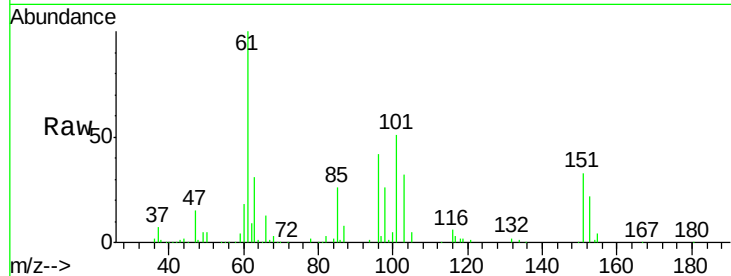




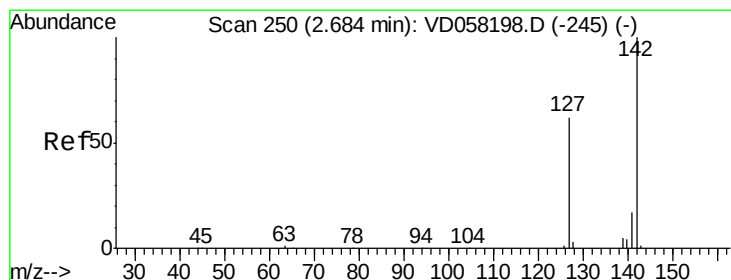
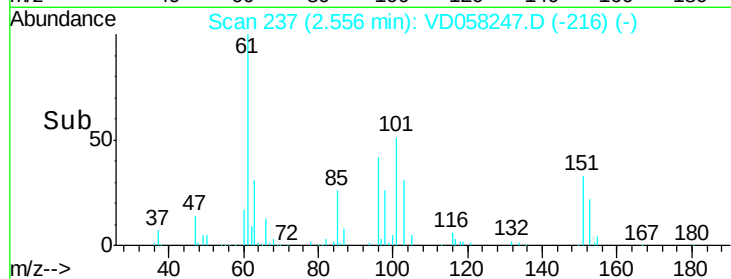
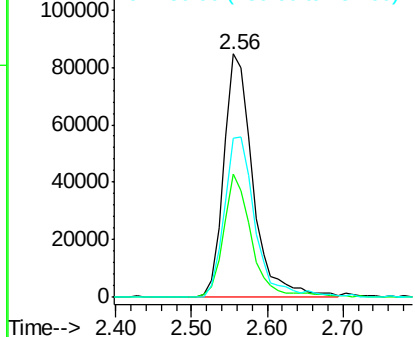
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.32 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	50.6	39.0	58.4
151	65.4	61.8	92.8

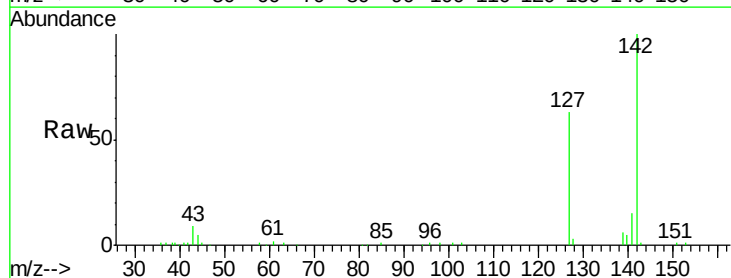


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

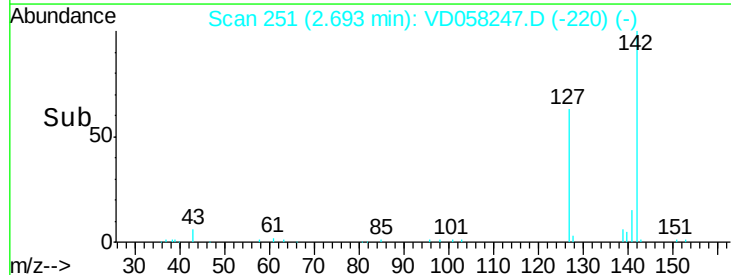
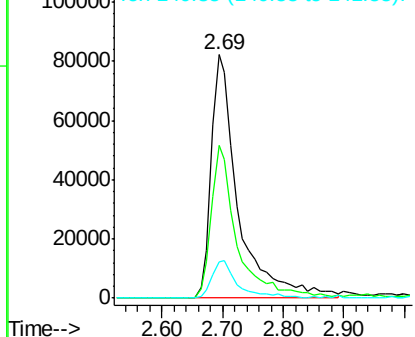


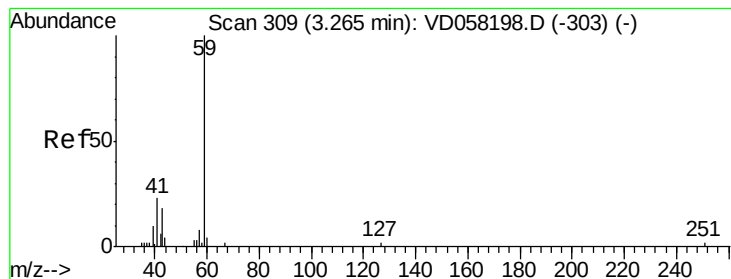
#10
 Methyl Iodide
 Concen: 53.11 ug/l
 RT: 2.69 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion	Ratio	Lower	Upper
142	100		
127	62.6	49.4	74.0
141	15.0	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



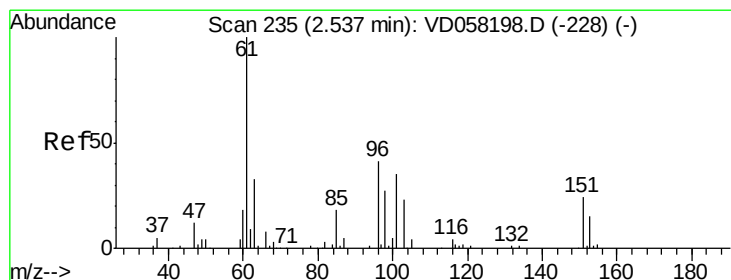
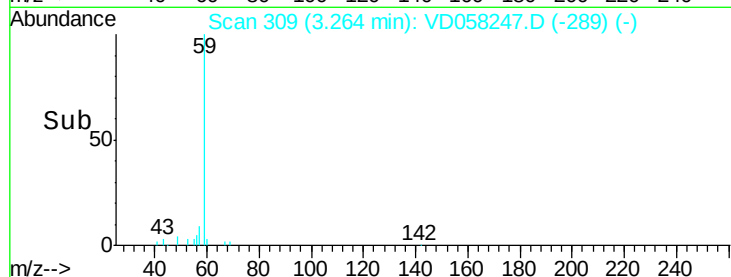
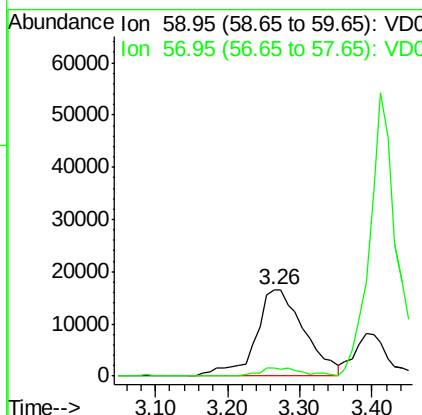
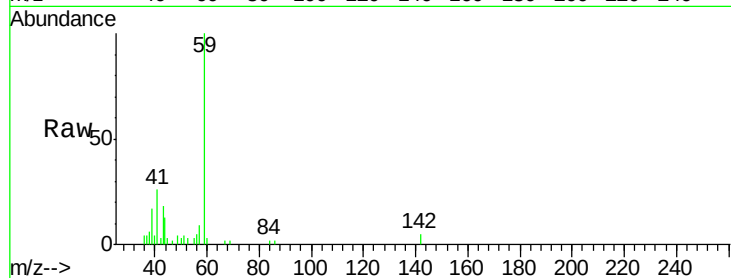


#11

Tert butyl alcohol
 Concen: 249.56 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

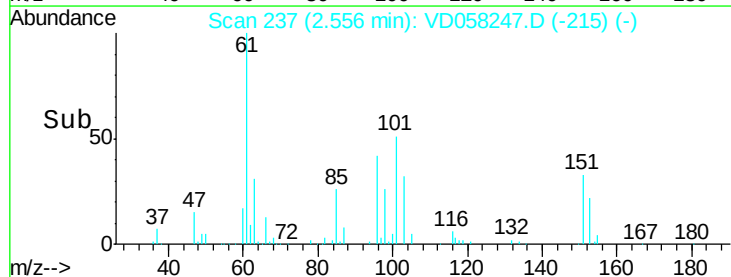
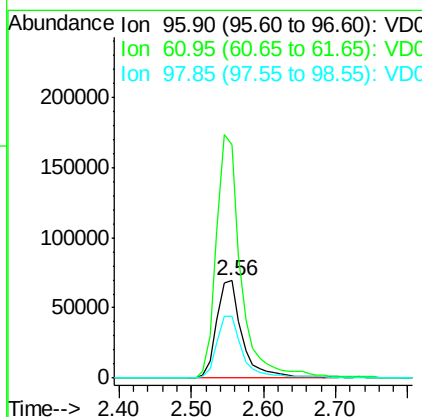
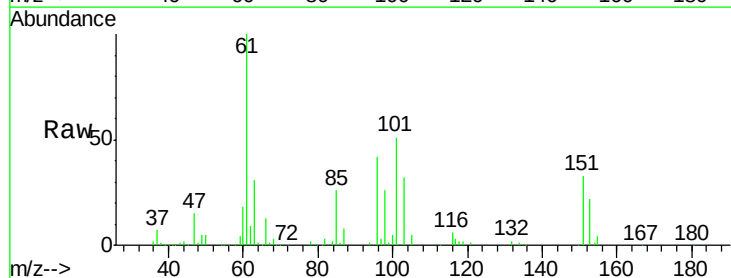
Tot Ion: 59 Resp: 76949
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.2 9.4

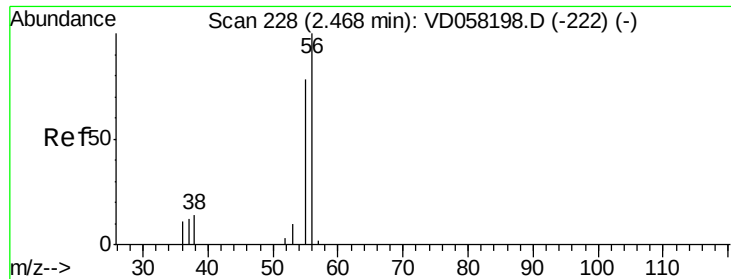


#12

1,1-Dichloroethene
 Concen: 54.11 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 96 Resp: 172061
 Ion Ratio Lower Upper
 96 100
 61 239.0 193.9 290.9
 98 63.0 51.7 77.5





#13

Acrolein

Concen: 161.88 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

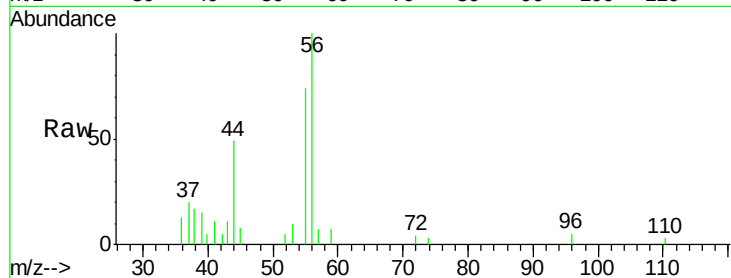
VSTDCCC050

Tot Ion: 56 Resp: 28493

Ion Ratio Lower Upper

56 100

55 74.1 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.48

12000

10000

8000

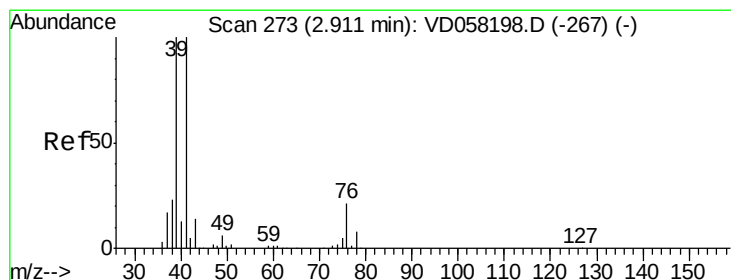
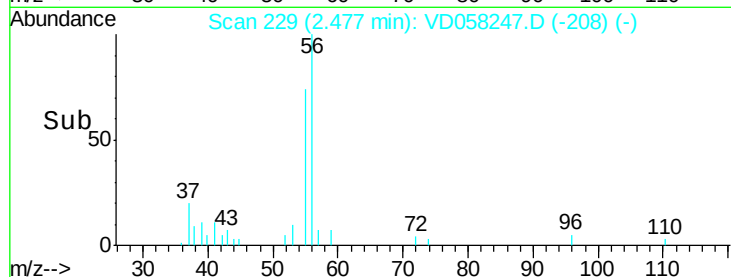
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 53.50 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

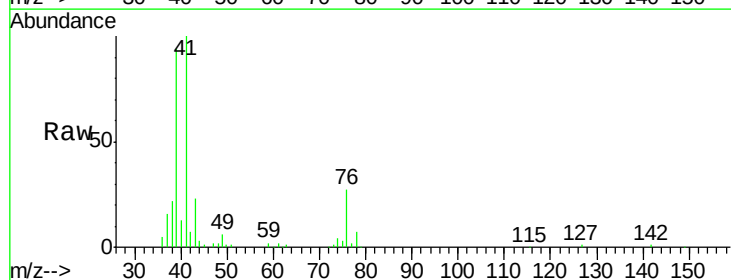
Tgt Ion: 41 Resp: 395940

Ion Ratio Lower Upper

41 100

39 93.9 80.1 120.1

76 27.2 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

300000

250000

200000

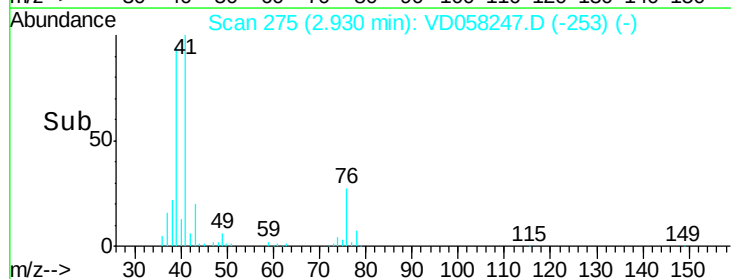
150000

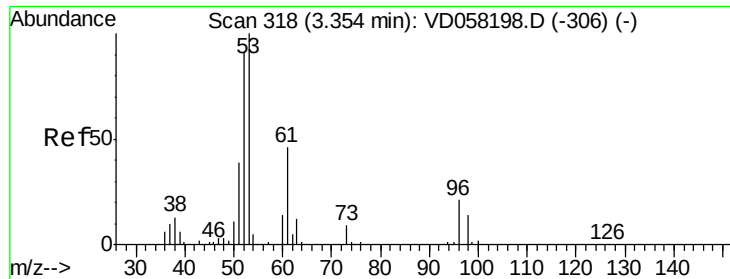
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 283.95 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

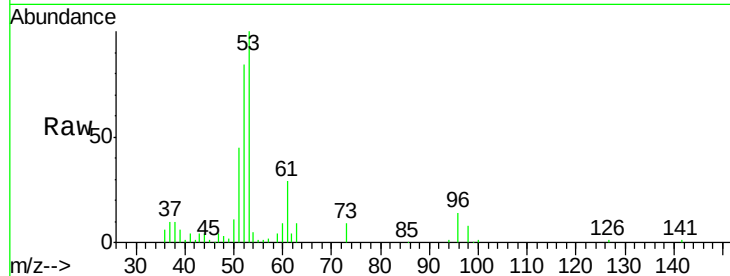
Tot Ion: 53 Resp: 232153

Ion Ratio Lower Upper

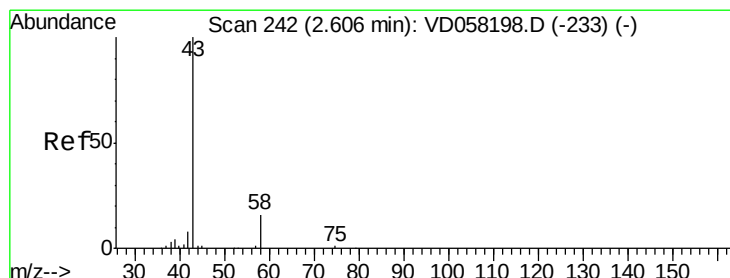
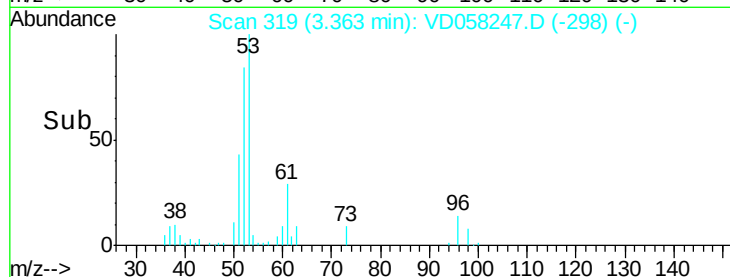
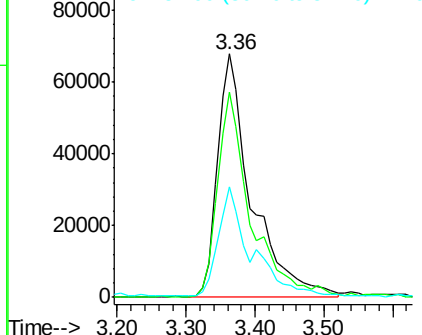
53 100

52 84.2 72.6 108.8

51 45.3 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 287.12 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058247.D

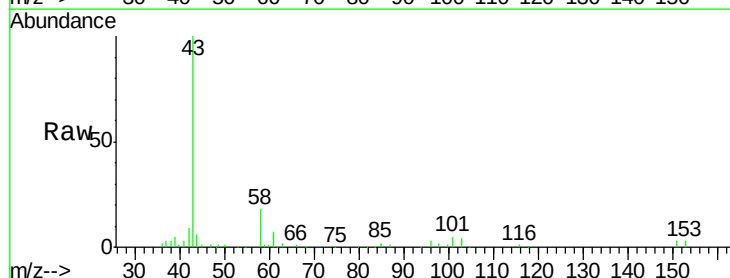
Acq: 21 Jun 2018 12:20

Tgt Ion: 43 Resp: 367085

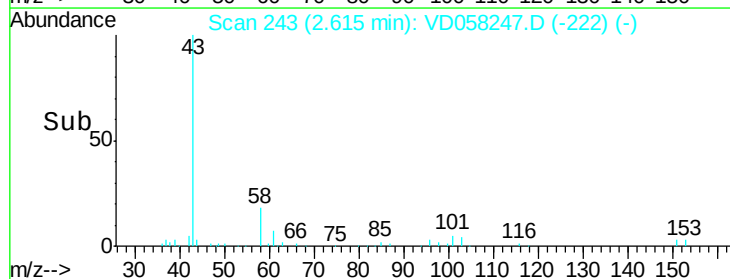
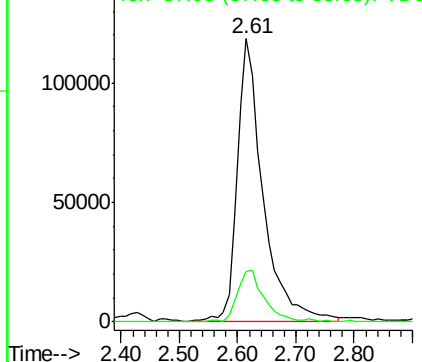
Ion Ratio Lower Upper

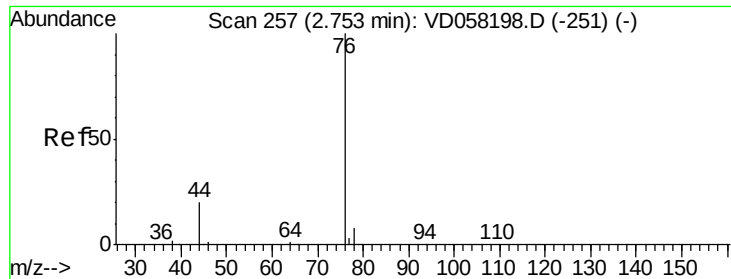
43 100

58 18.0 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

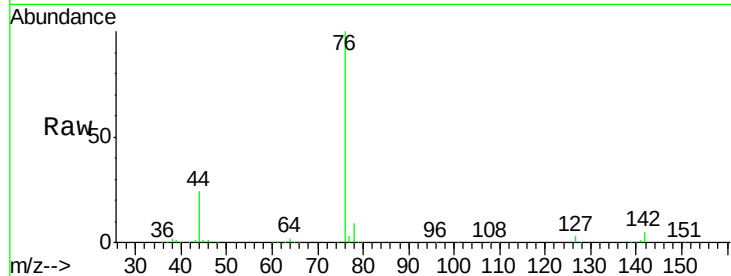




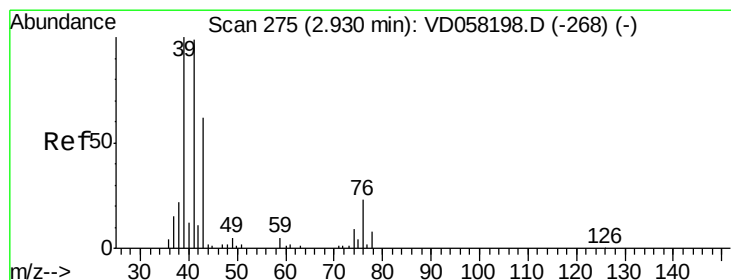
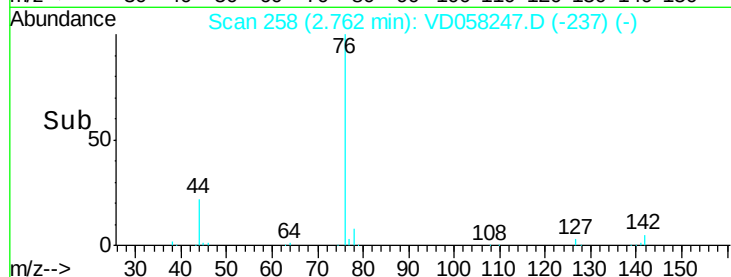
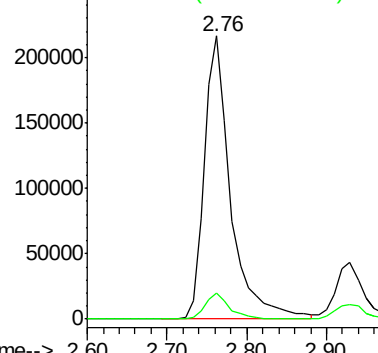
#17
Carbon Disulfide
Concen: 46.20 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 499791
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

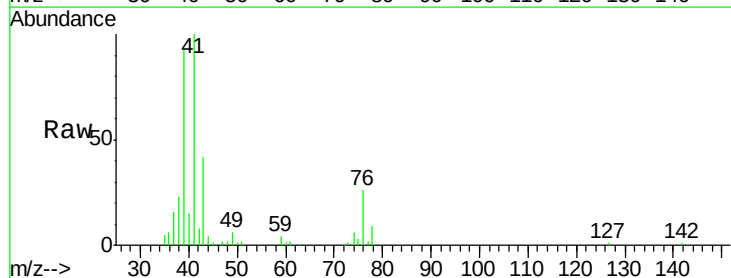


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

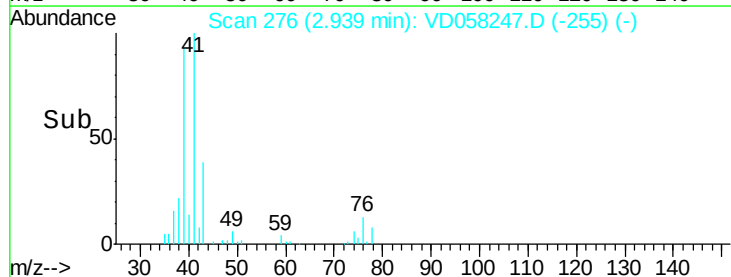
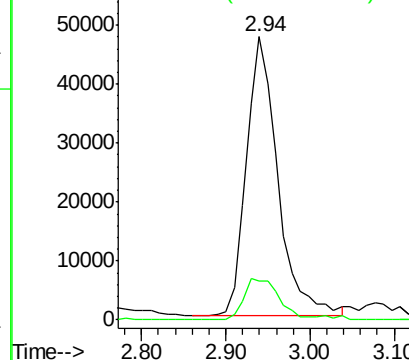


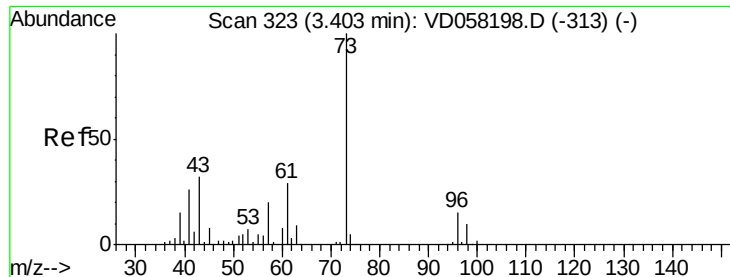
#18
Methyl Acetate
Concen: 44.99 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 43 Resp: 122672
Ion Ratio Lower Upper
43 100
74 13.8 11.7 17.5



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

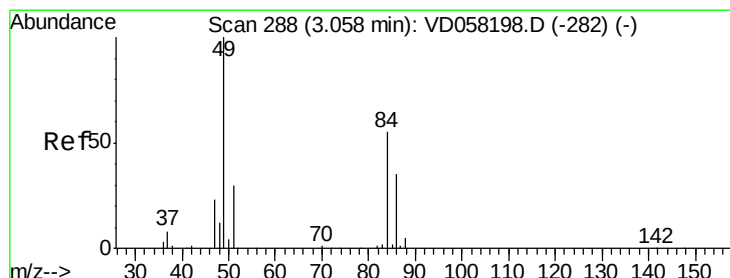
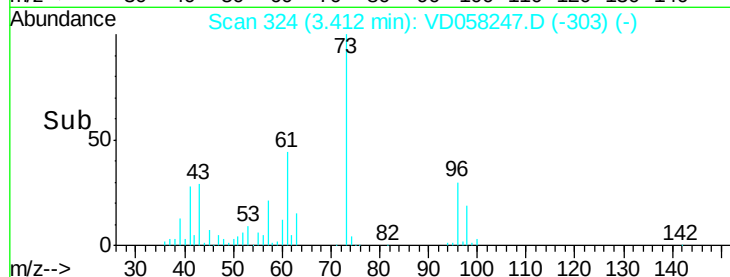
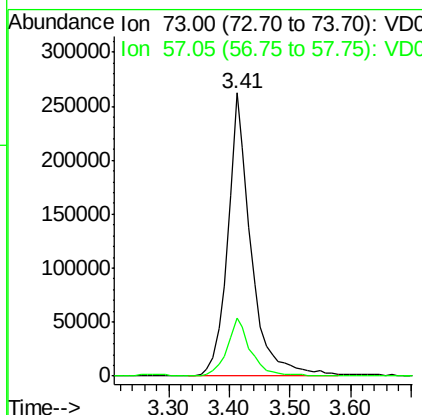
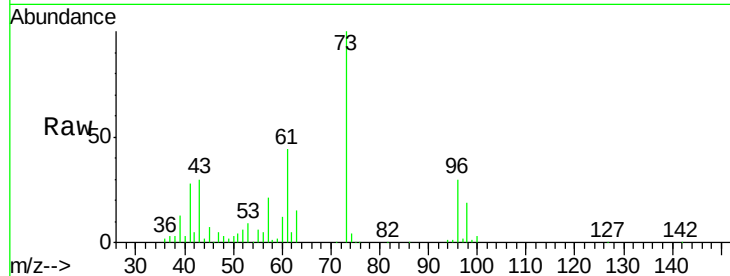




#19
Methyl tert-butyl Ether
Concen: 82.80 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

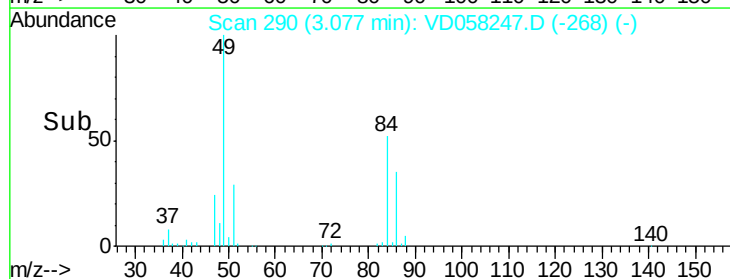
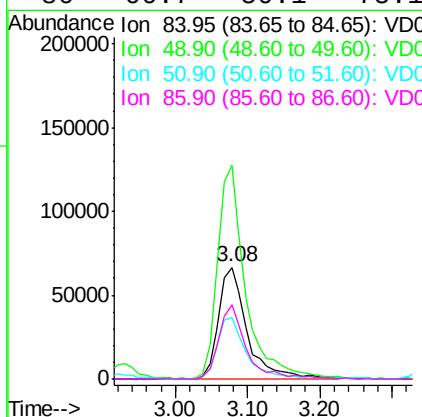
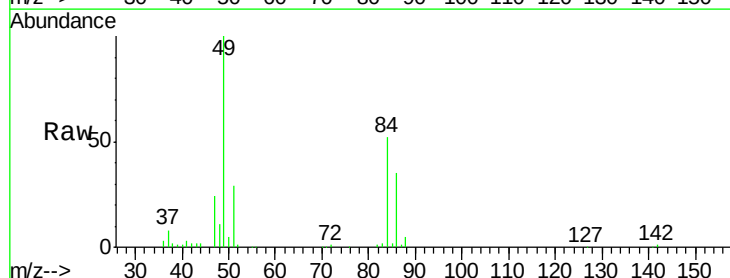
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

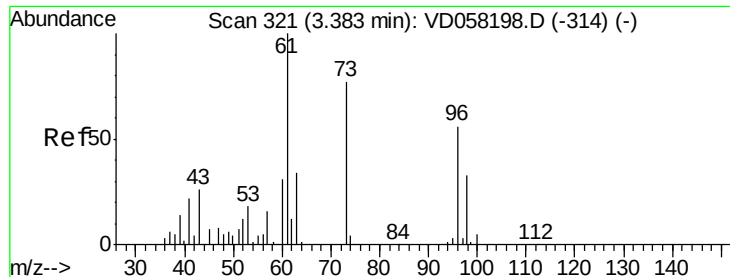
Tot Ion: 73 Resp: 698363
Ion Ratio Lower Upper
73 100
57 20.7 16.6 24.8



#20
Methylene Chloride
Concen: 55.53 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 84 Resp: 183574
Ion Ratio Lower Upper
84 100
49 191.0 145.0 217.6
51 54.8 42.9 64.3
86 66.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 74.08 ug/l

RT: 3.41 min Scan# 324

Delta R.T. 0.03 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

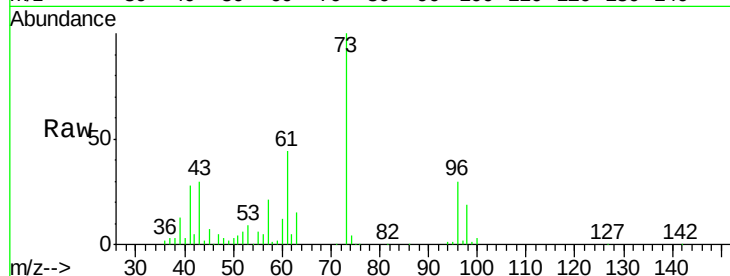
Tot Ion: 96 Resp: 257438

Ion Ratio Lower Upper

96 100

61 147.8 143.8 215.6

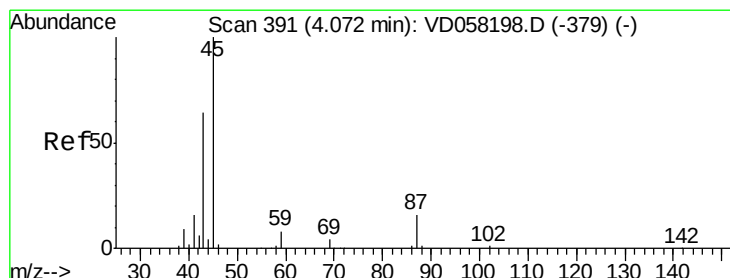
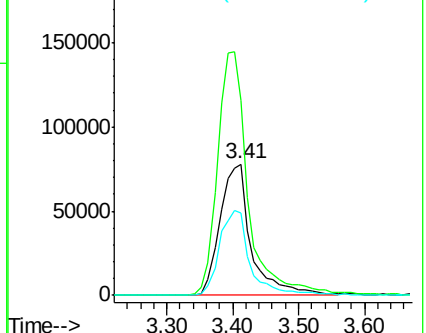
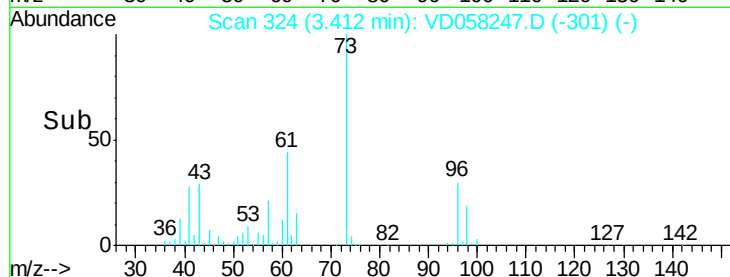
98 62.8 48.0 72.0



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: 48.77 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Tgt Ion: 45 Resp: 1433567

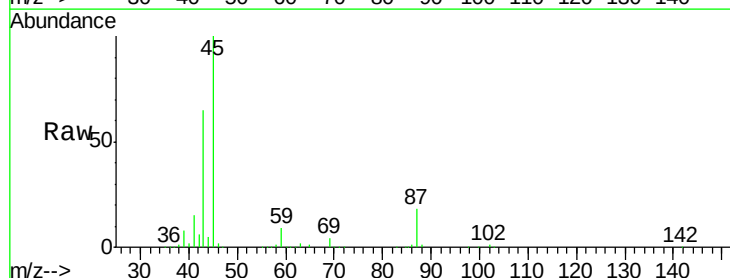
Ion Ratio Lower Upper

45 100

43 65.0 51.4 77.0

87 17.5 13.0 19.4

59 8.8 6.9 10.3

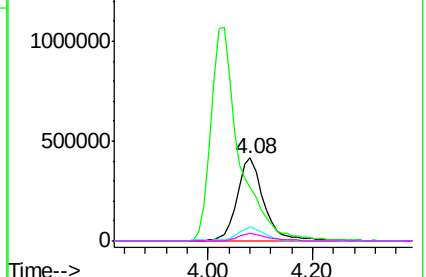
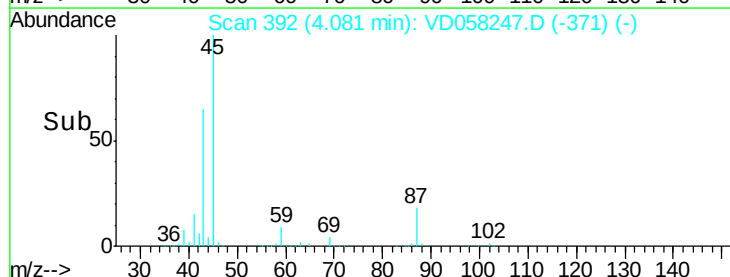


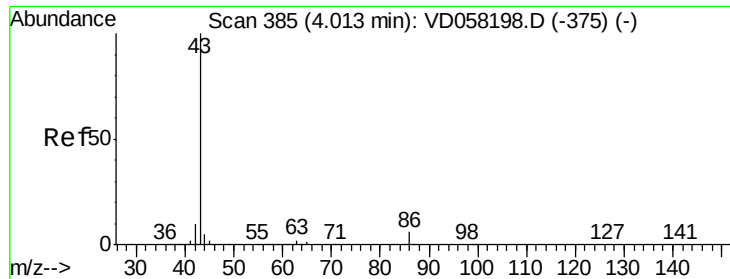
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 254.12 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

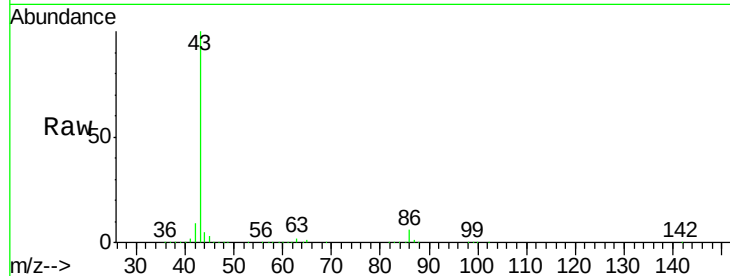
VSTDCCC050

Tot Ion: 43 Resp: 4004120

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.03

1200000

1000000

800000

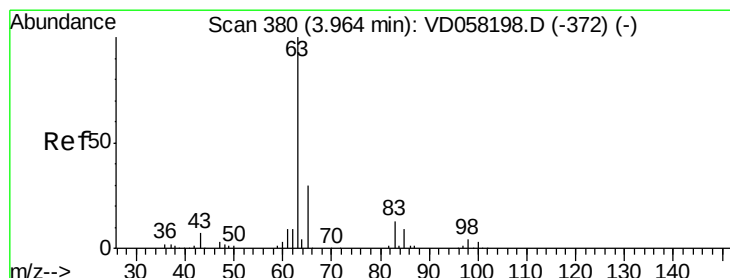
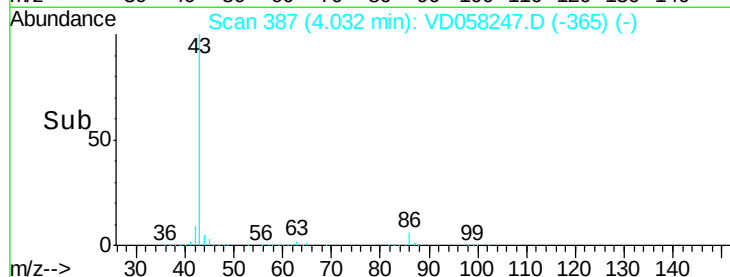
600000

400000

200000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 51.18 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

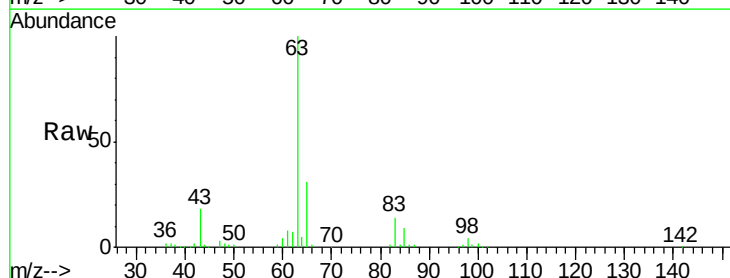
Tgt Ion: 63 Resp: 810421

Ion Ratio Lower Upper

63 100

98 4.1 1.9 5.7

100 2.4 1.3 3.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

3.98

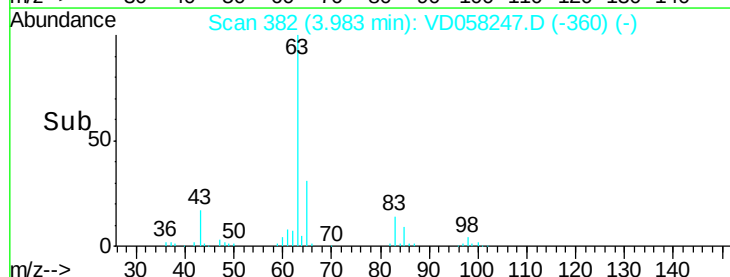
300000

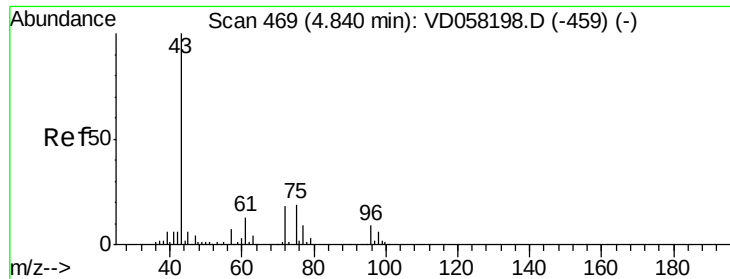
200000

100000

0

Time--> 3.80 3.90 4.00 4.10 4.20





#25

2-Butanone

Concen: 246.29 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

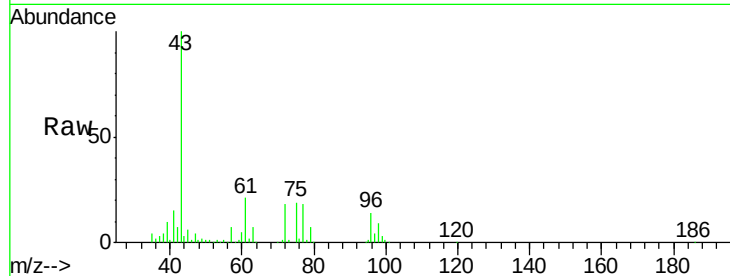
VSTDCCC050

Tot Ion: 43 Resp: 686311

Ion Ratio Lower Upper

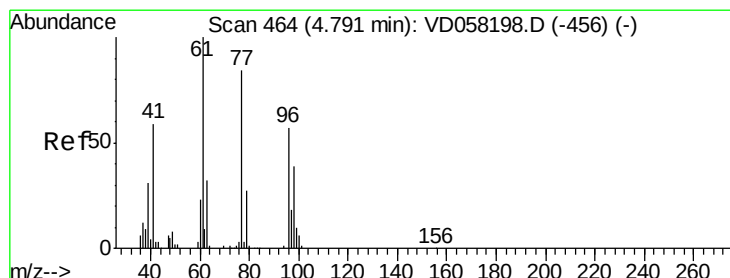
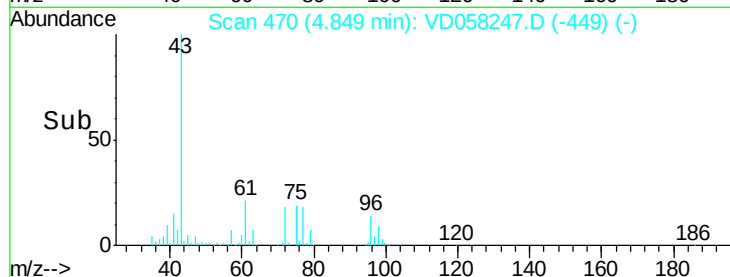
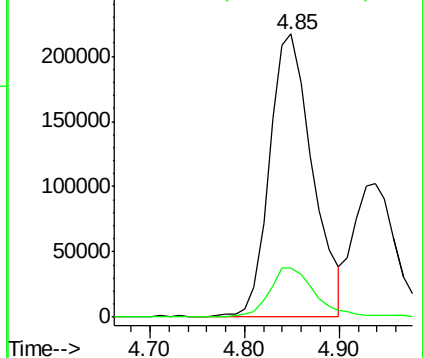
43 100

72 17.5 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: 53.72 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058247.D

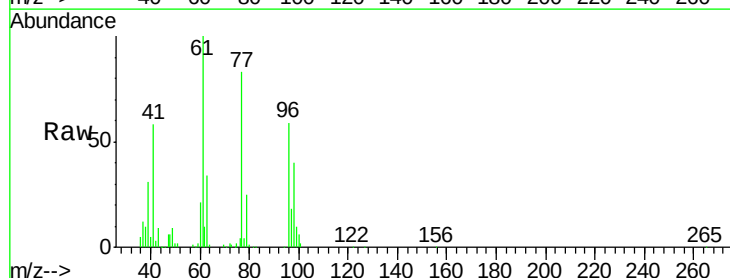
Acq: 21 Jun 2018 12:20

Tgt Ion: 77 Resp: 712287

Ion Ratio Lower Upper

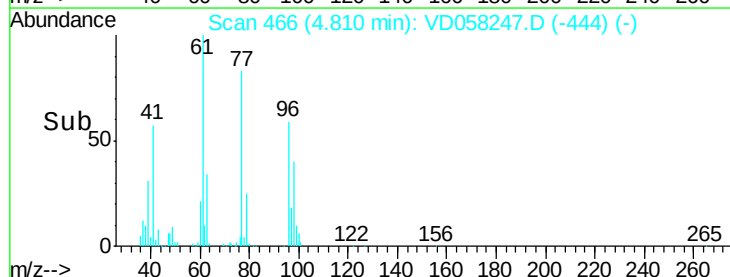
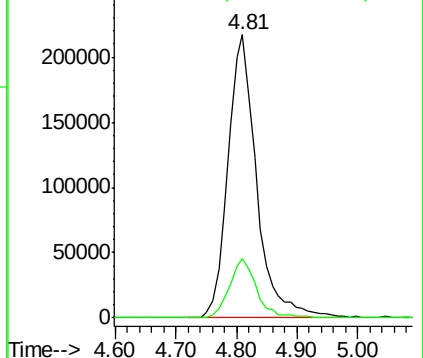
77 100

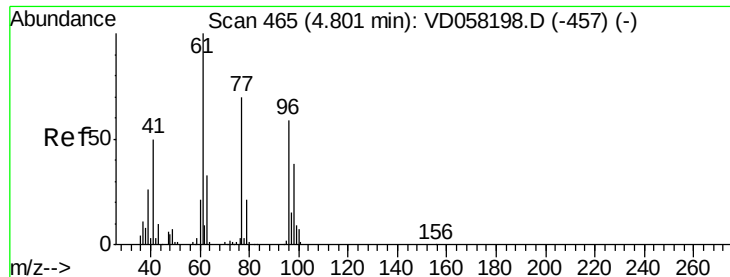
97 21.2 10.5 31.6



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: 51.23 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

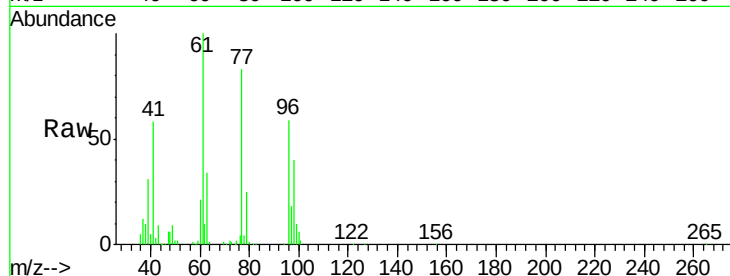
Tot Ion: 96 Resp: 444872

Ion Ratio Lower Upper

96 100

61 168.9 0.0 338.6

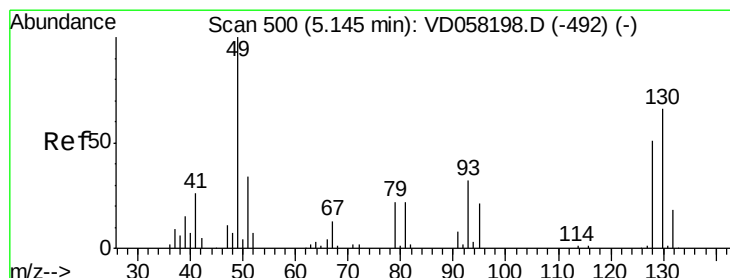
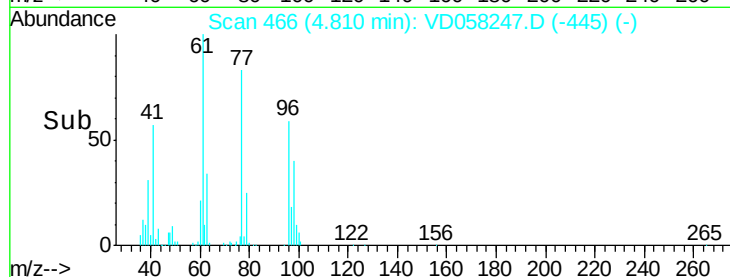
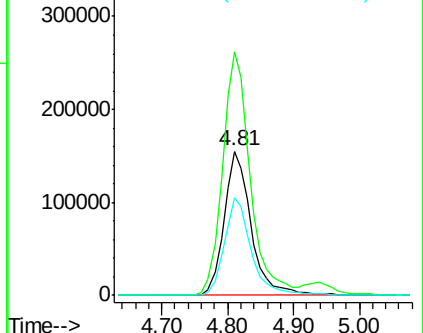
98 67.7 0.0 130.2



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: 52.41 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

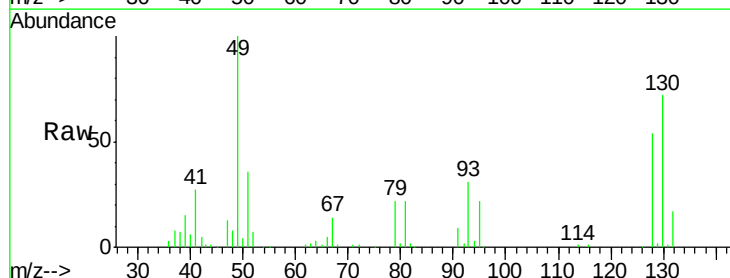
Tgt Ion: 49 Resp: 372048

Ion Ratio Lower Upper

49 100

129 1.8 0.0 0.0#

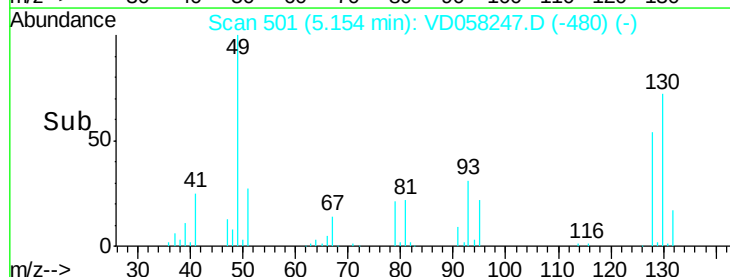
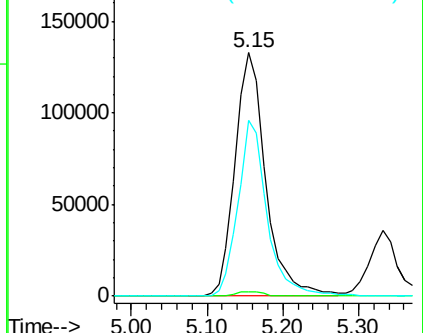
130 72.0 52.6 79.0

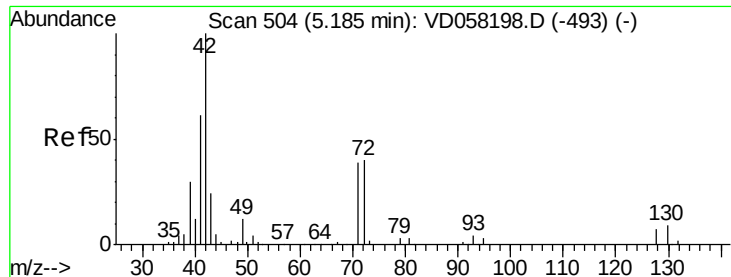


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 233.02 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

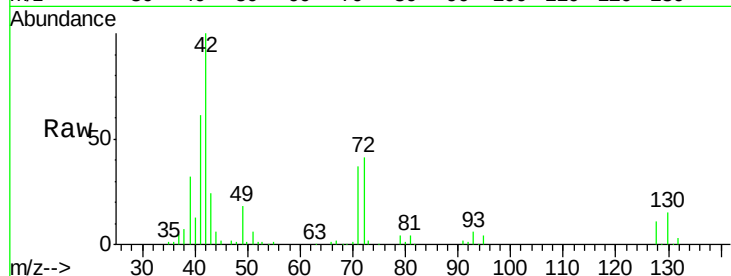
Tot Ion: 42 Resp: 345614

Ion Ratio Lower Upper

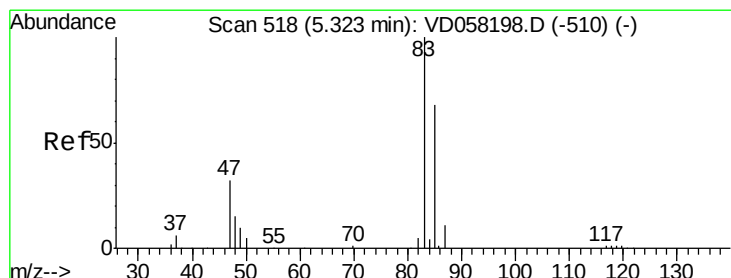
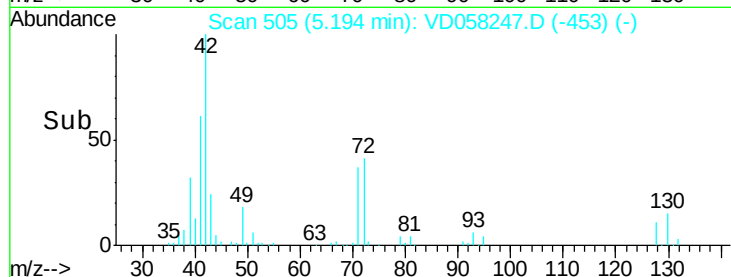
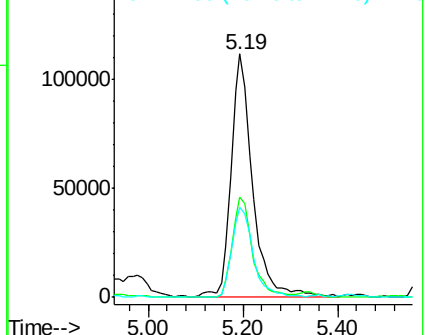
42 100

72 39.8 30.2 45.2

71 37.3 30.1 45.1



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



#30

Chloroform

Concen: 52.10 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD058247.D

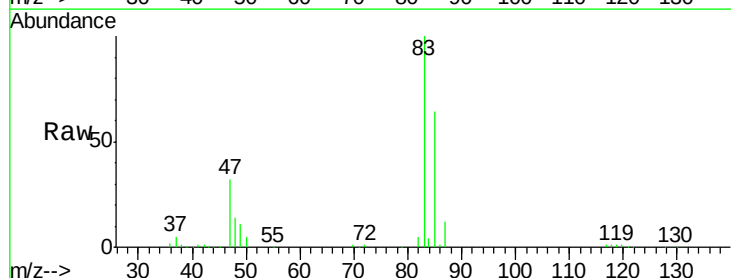
Acq: 21 Jun 2018 12:20

Tgt Ion: 83 Resp: 871032

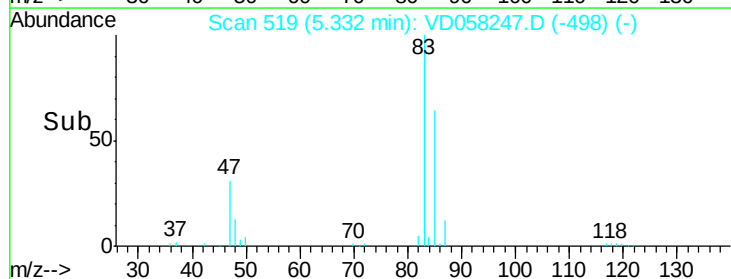
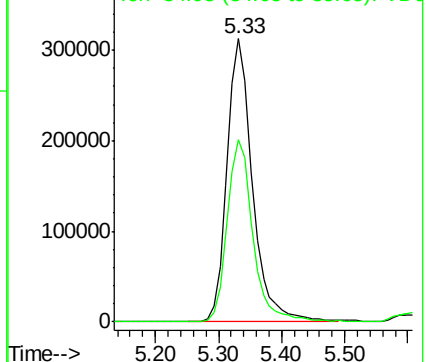
Ion Ratio Lower Upper

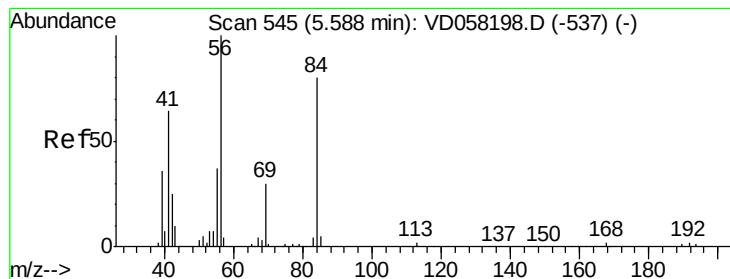
83 100

85 64.4 54.8 82.2



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





#31

Cyclohexane

Concen: 53.67 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

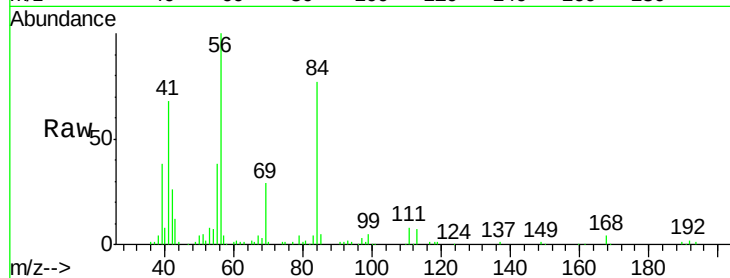
Tot Ion: 56 Resp: 612626

Ion Ratio Lower Upper

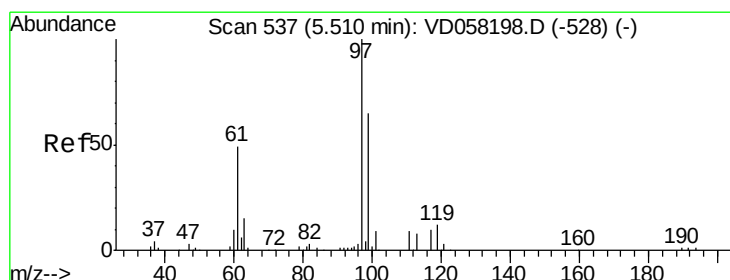
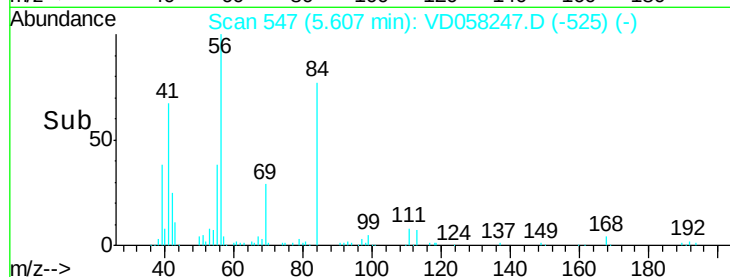
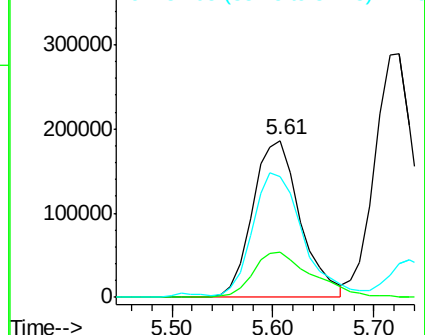
56 100

69 28.8 23.6 35.4

84 77.0 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: 51.52 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

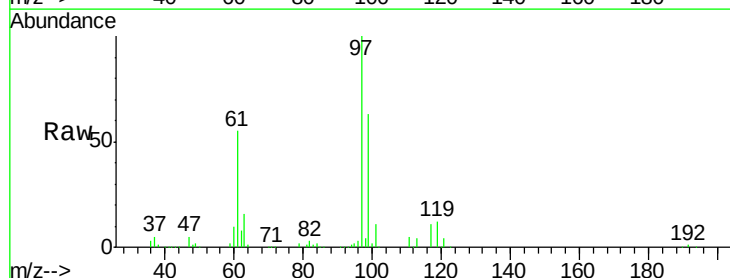
Tgt Ion: 97 Resp: 711646

Ion Ratio Lower Upper

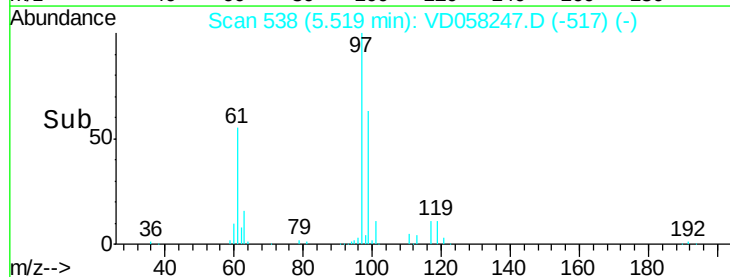
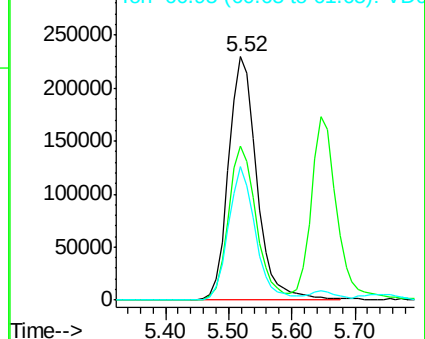
97 100

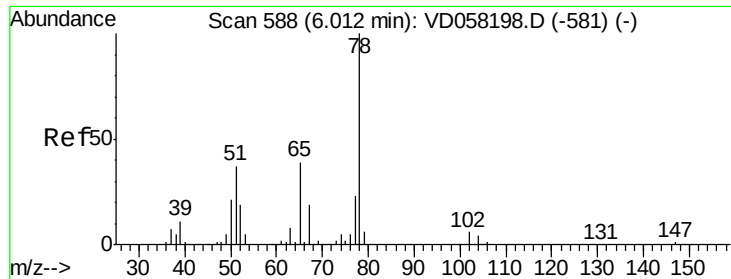
99 63.2 52.2 78.4

61 54.9 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

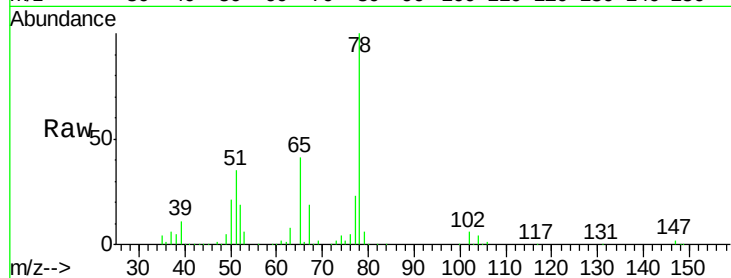




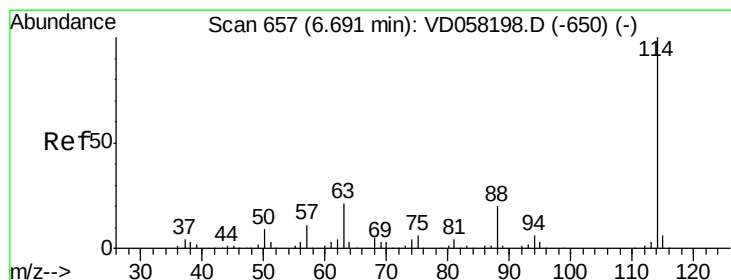
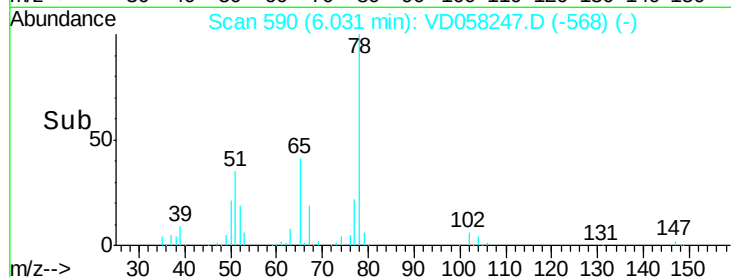
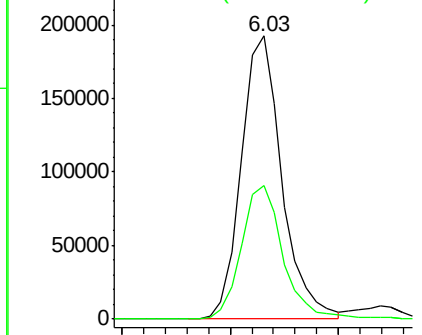
#33
 1,2-Dichloroethane-d4
 Concen: 51.52 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 504186
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 97.8

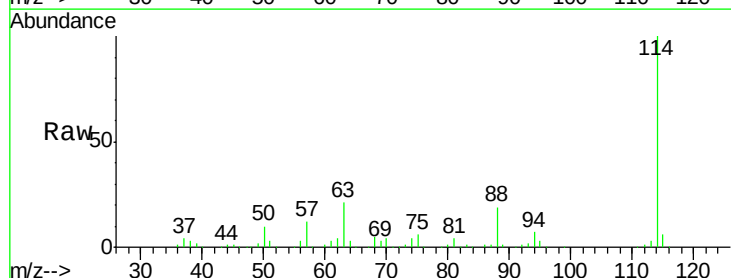


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

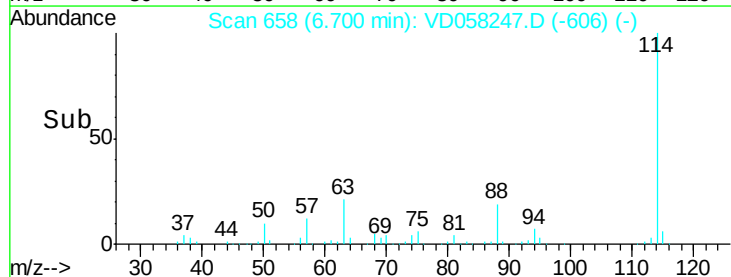
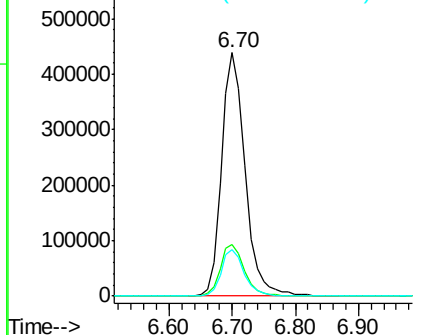


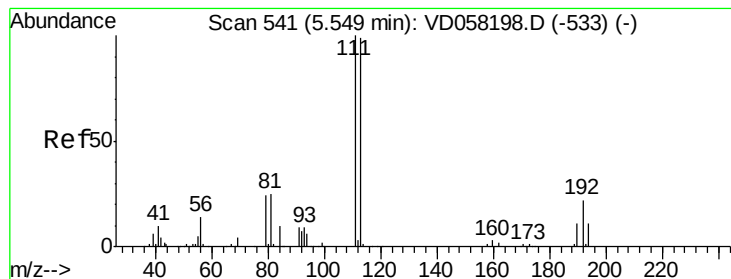
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 114 Resp: 1139275
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 19.0 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

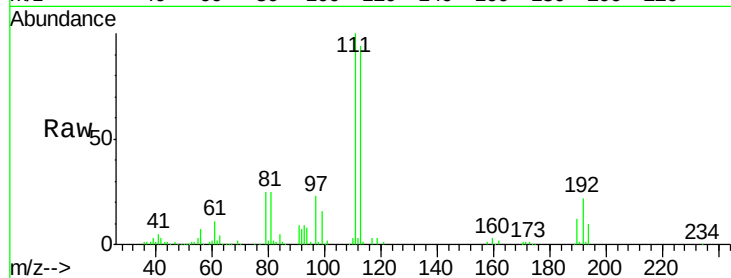
Tot Ion:113 Resp: 513156

Ion Ratio Lower Upper

113 100

111 105.8 80.6 121.0

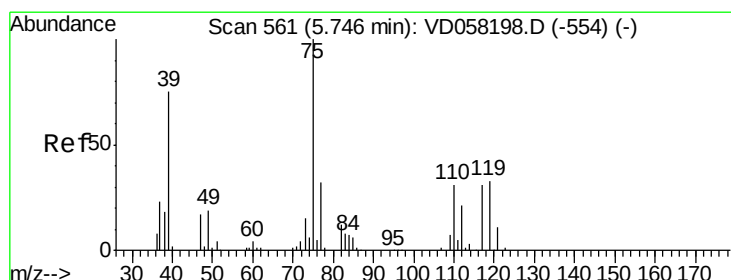
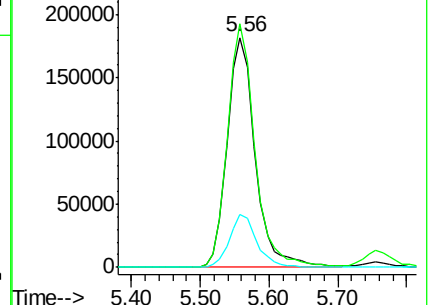
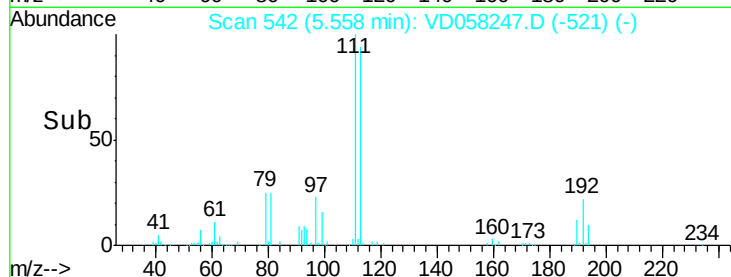
192 22.9 17.8 26.6



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: 53.29 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

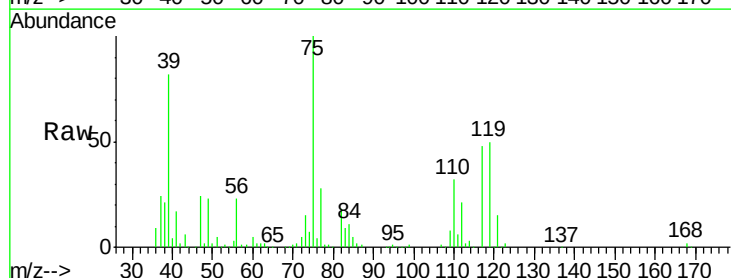
Tgt Ion: 75 Resp: 600616

Ion Ratio Lower Upper

75 100

110 31.5 15.4 46.4

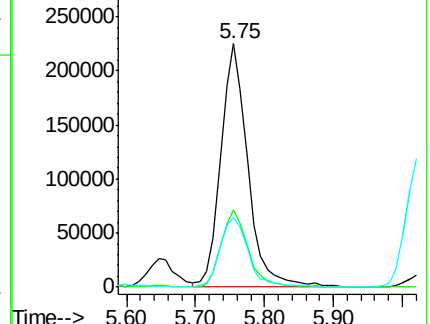
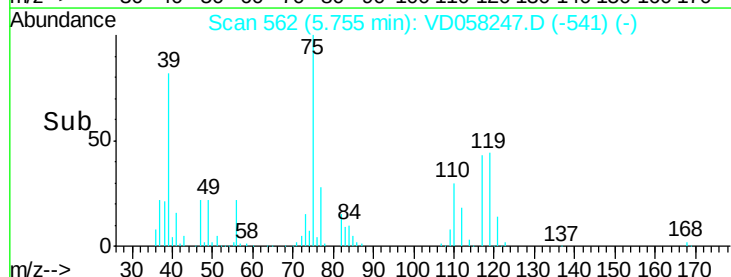
77 28.4 25.4 38.2

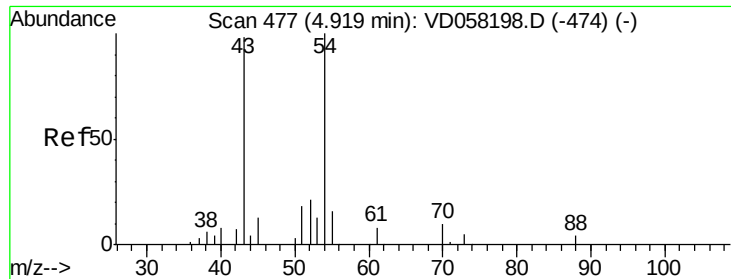


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

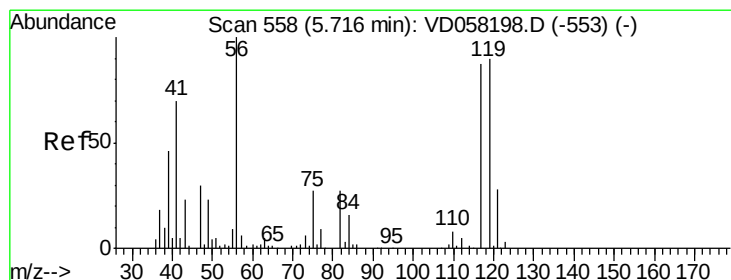
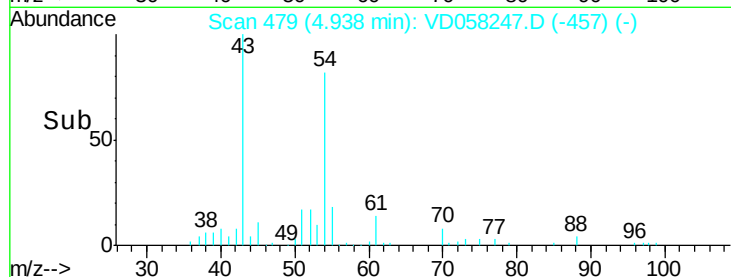
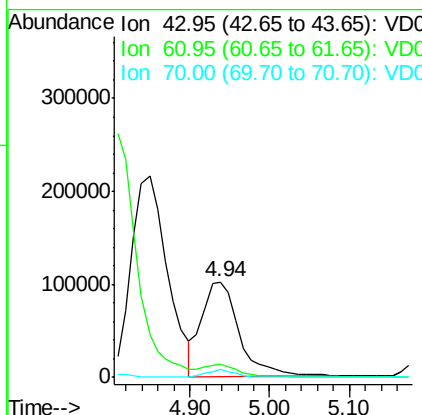
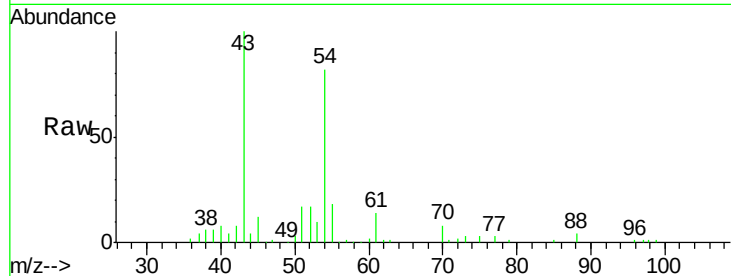




#37
Ethyl Acetate
Concen: 51.60 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

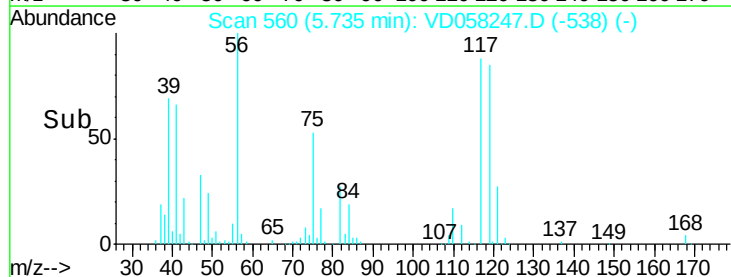
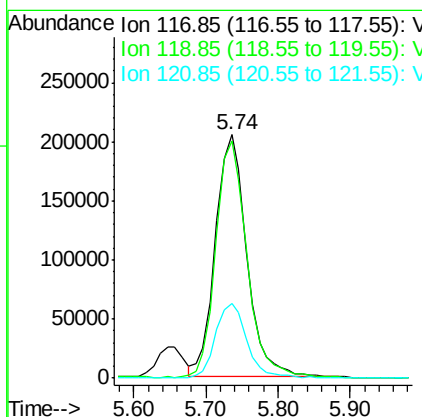
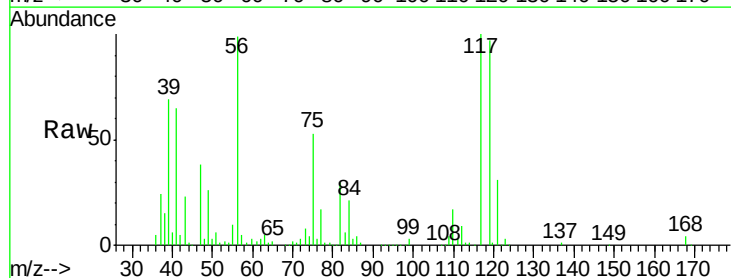
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

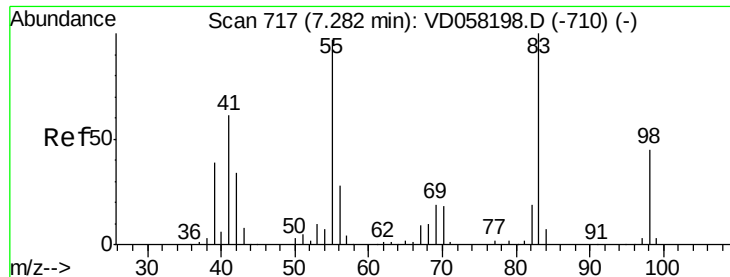
Tot Ion: 43 Resp: 331317
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 7.8 5.7 8.5



#38
Carbon Tetrachloride
Concen: 54.87 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 117 Resp: 614452
Ion Ratio Lower Upper
117 100
119 97.4 78.8 118.2
121 30.6 25.0 37.6

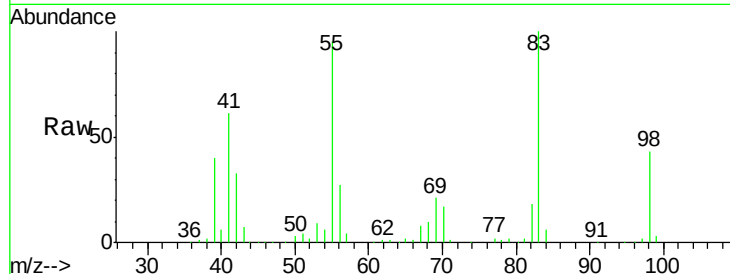




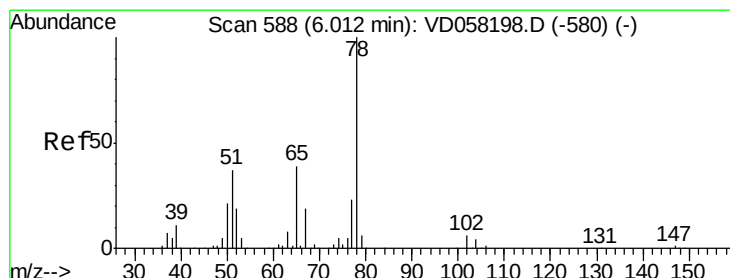
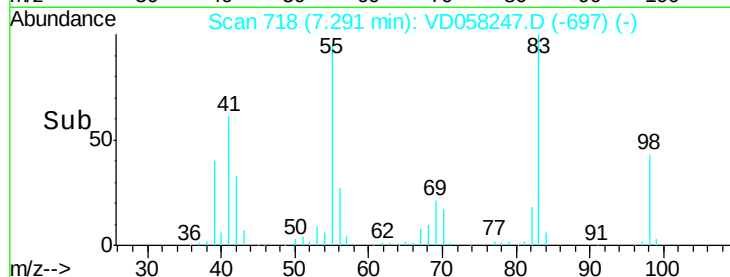
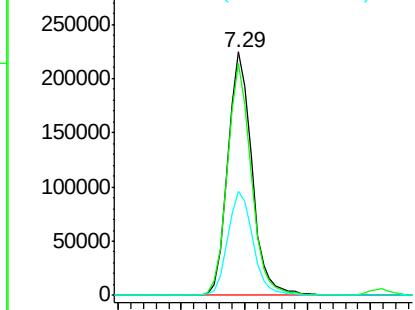
#39
Methylcyclohexane
Concen: 54.10 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 593928
Ion Ratio Lower Upper
83 100
55 95.5 77.4 116.2
98 42.6 35.9 53.9

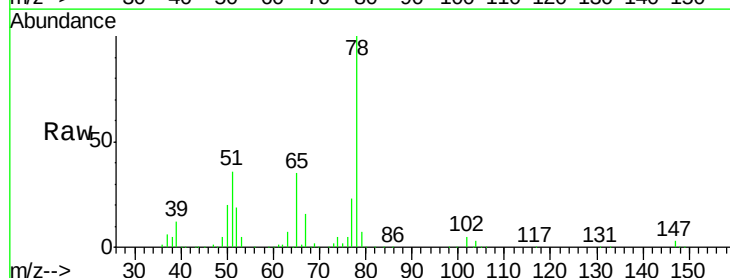


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

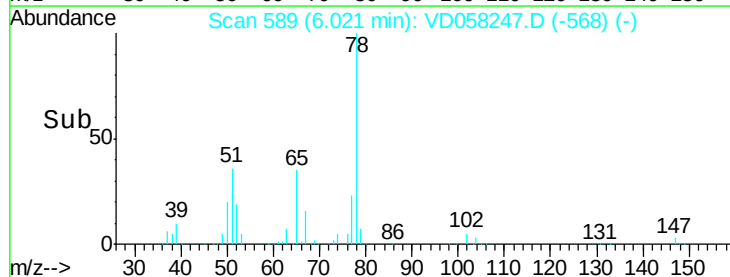
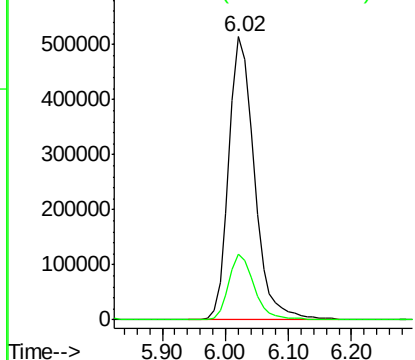


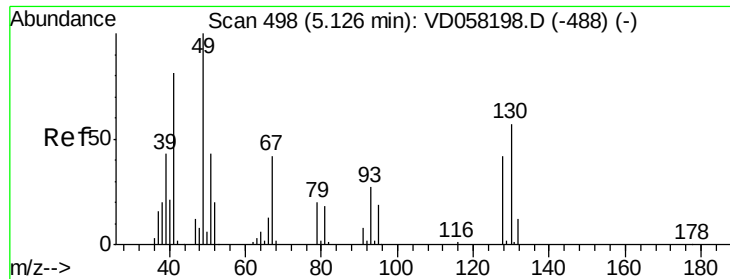
#40
Benzene
Concen: 53.96 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 78 Resp: 1448755
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7



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

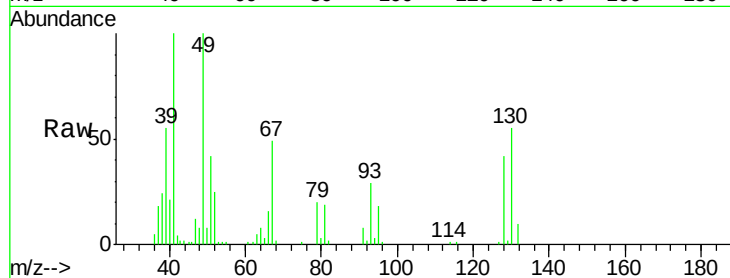




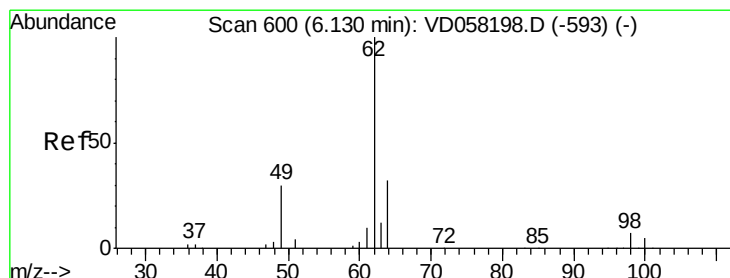
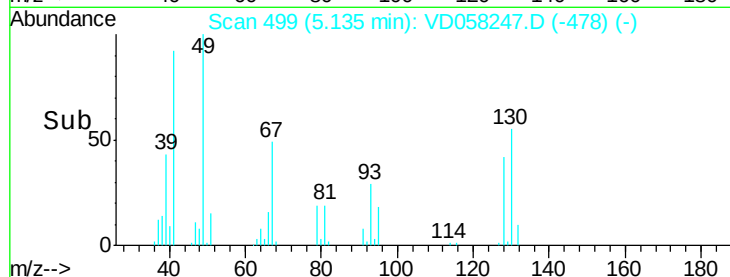
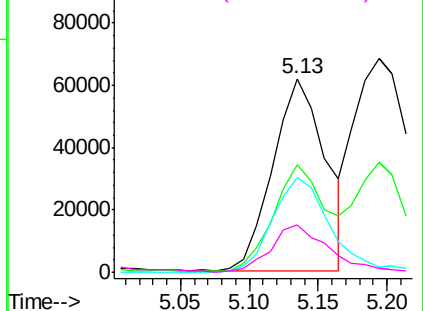
#41
Methacrylonitrile
Concen: 52.48 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 162730
Ion Ratio Lower Upper
41 100
39 55.3 43.4 65.2
67 49.2 41.7 62.5
52 24.6 20.6 30.8

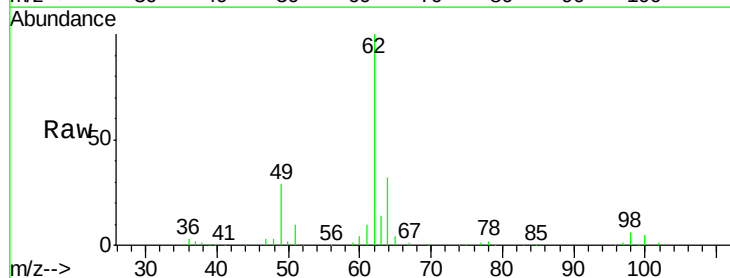


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

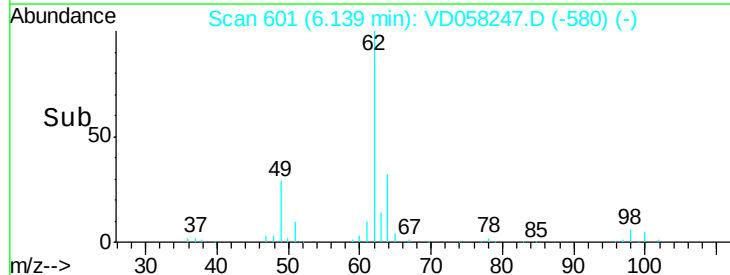
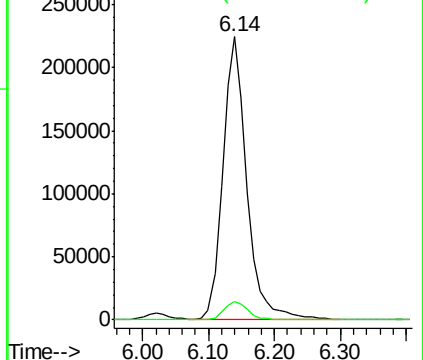


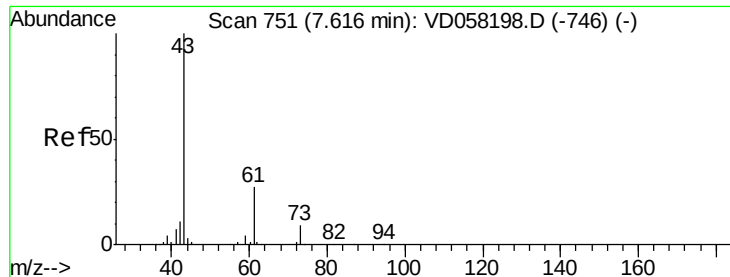
#42
1,2-Dichloroethane
Concen: 52.14 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 62 Resp: 564407
Ion Ratio Lower Upper
62 100
98 6.4 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: 49.96 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

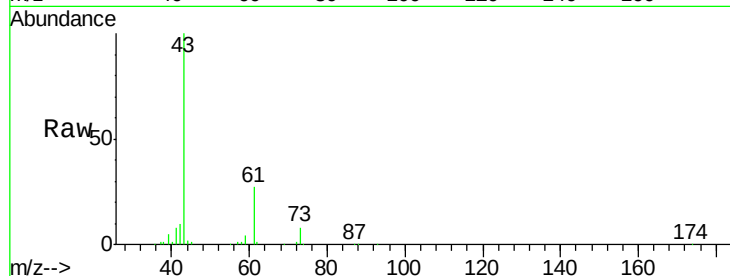
Tot Ion: 43 Resp: 427672

Ion Ratio Lower Upper

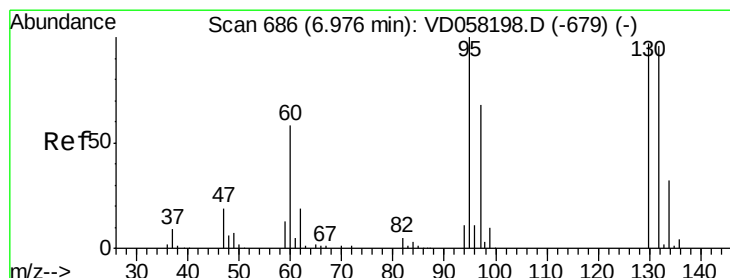
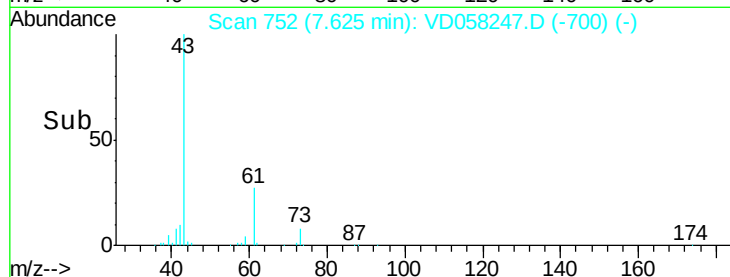
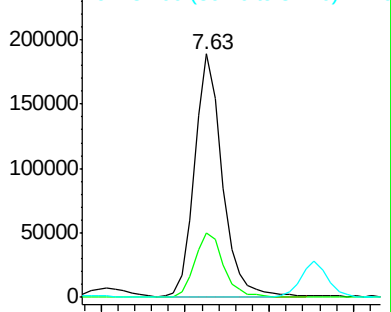
43 100

61 26.6 21.8 32.6

87 0.4 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: 54.01 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058247.D

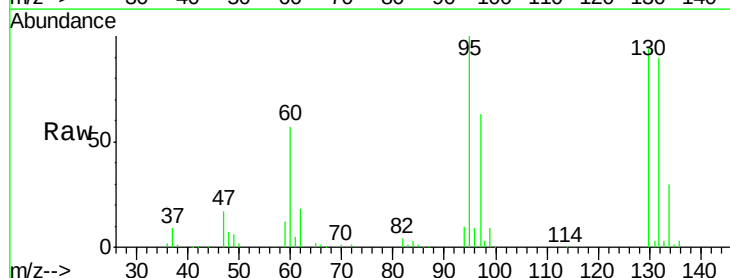
Acq: 21 Jun 2018 12:20

Tgt Ion:130 Resp: 435437

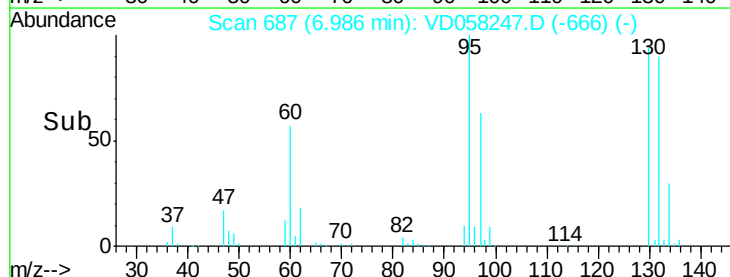
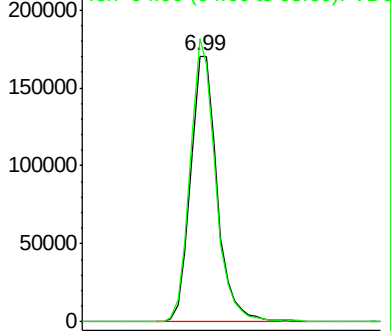
Ion Ratio Lower Upper

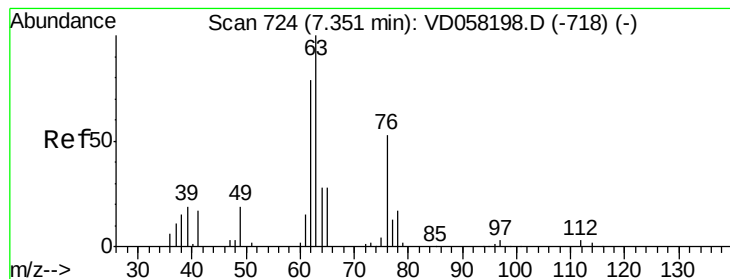
130 100

95 106.4 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: 54.66 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

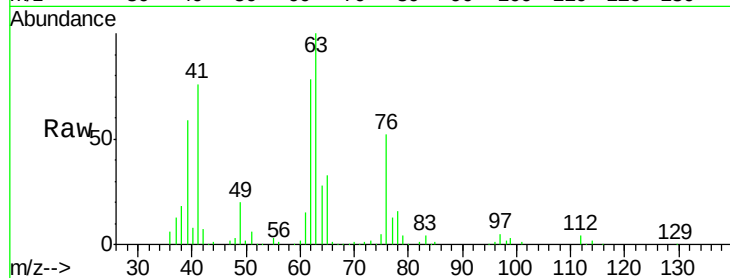
VSTDCCC050

Tot Ion: 63 Resp: 395228

Ion Ratio Lower Upper

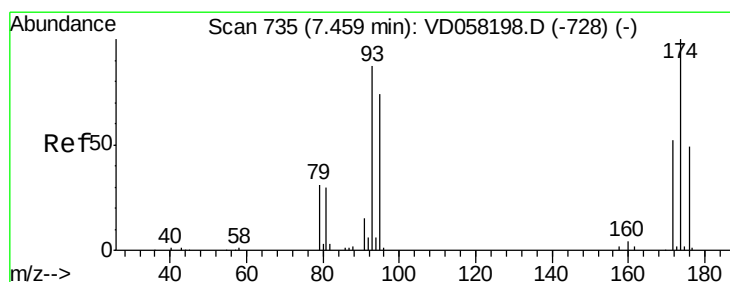
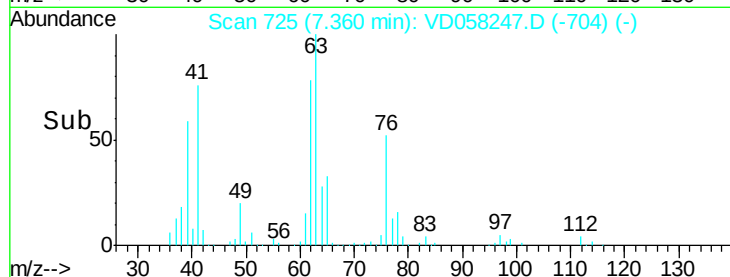
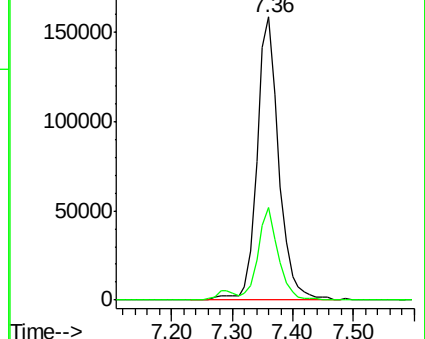
63 100

65 32.7 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.88 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

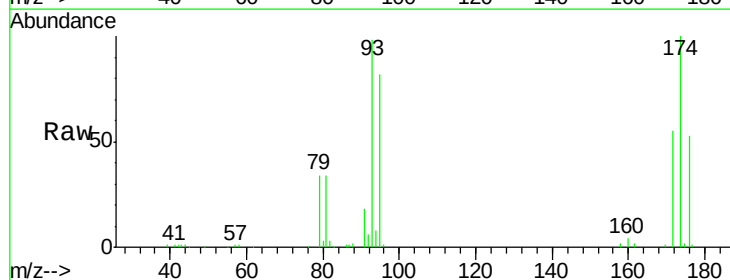
Tgt Ion: 93 Resp: 256081

Ion Ratio Lower Upper

93 100

95 83.8 67.8 101.6

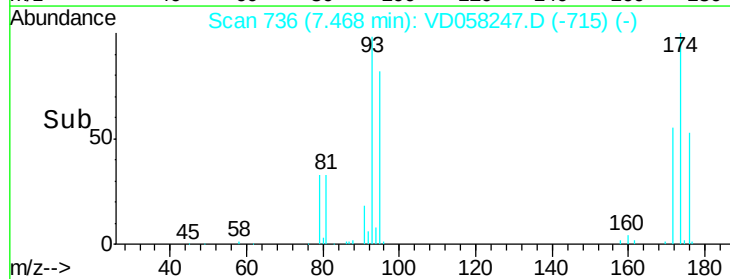
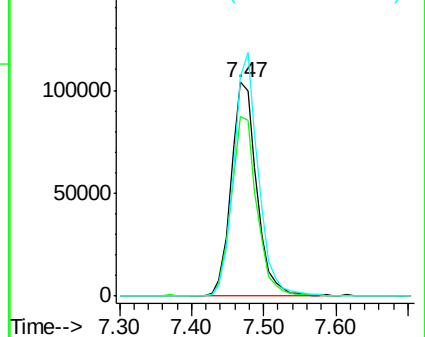
174 102.3 92.2 138.2

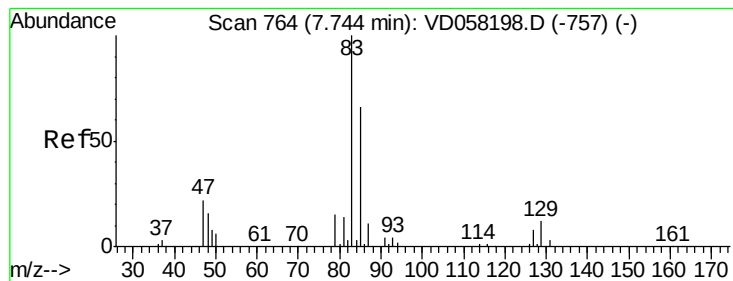


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.35 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

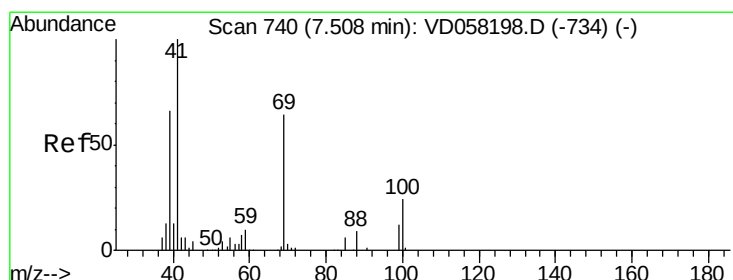
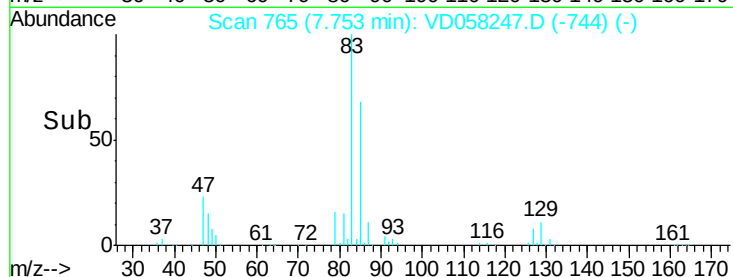
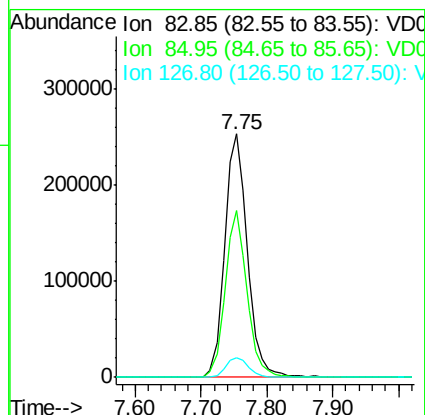
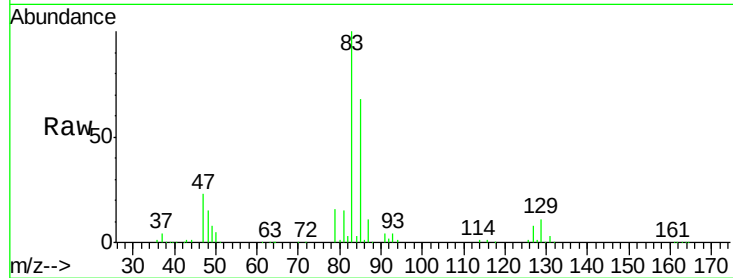
Tot Ion: 83 Resp: 611712

Ion Ratio Lower Upper

83 100

85 68.3 52.6 78.8

127 8.2 6.2 9.4



#48

Methyl methacrylate

Concen: 47.76 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

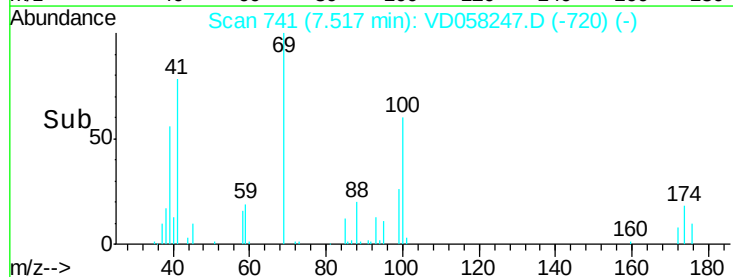
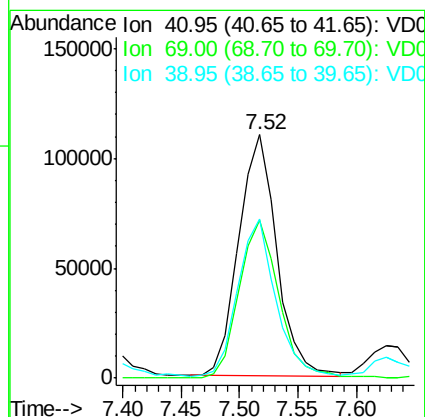
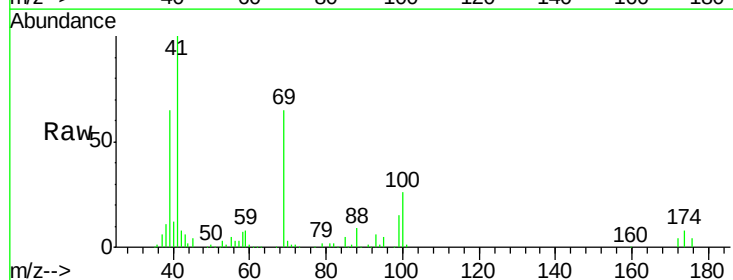
Tgt Ion: 41 Resp: 248492

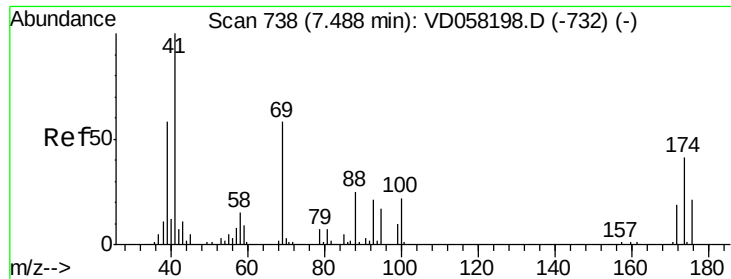
Ion Ratio Lower Upper

41 100

69 64.9 50.7 76.1

39 65.1 52.6 78.8

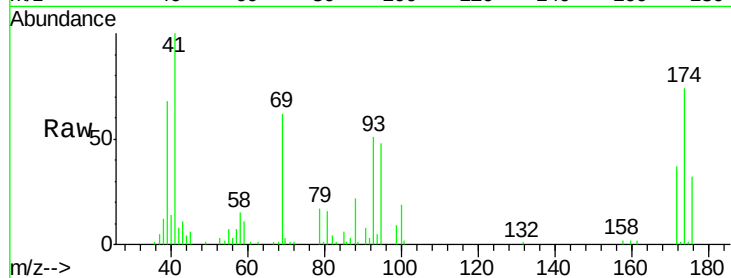




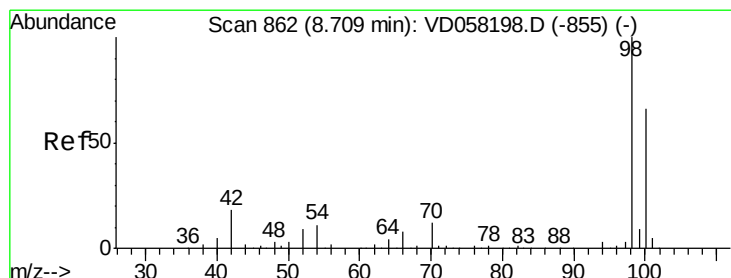
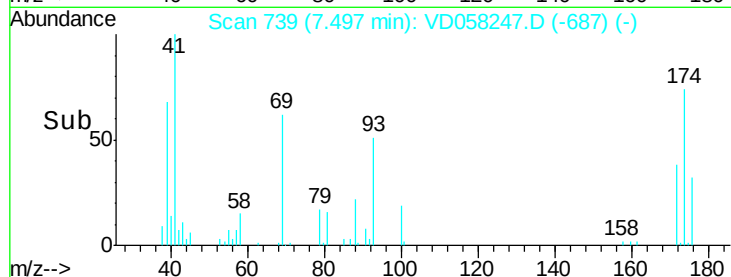
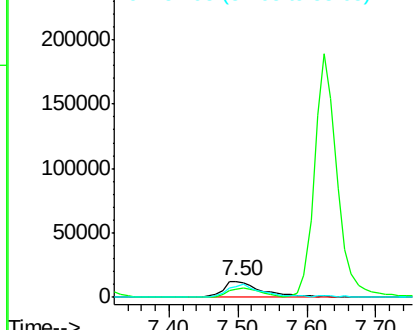
#49
1,4-Dioxane
Concen: 1046.94 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 49173
Ion Ratio Lower Upper
88 100
43 50.8 34.2 51.2
58 66.3 47.9 71.9

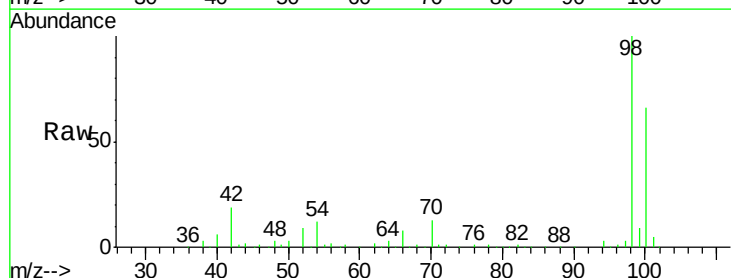


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

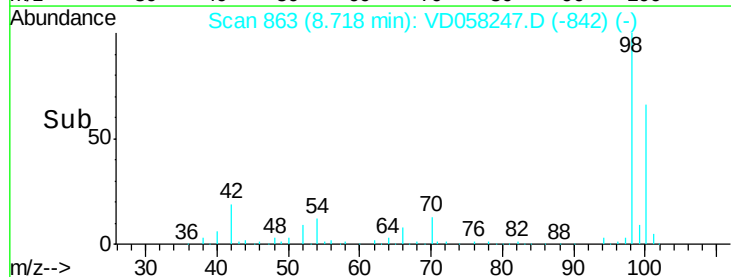
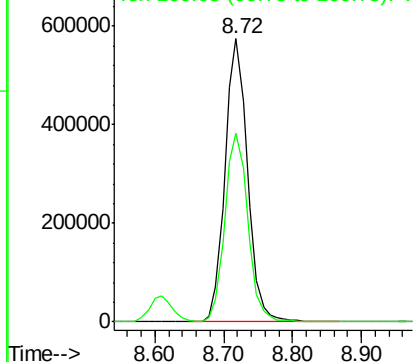


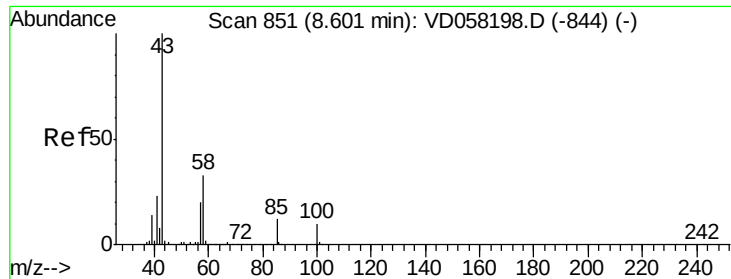
#50
Toluene-d8
Concen: 1046.94 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 98 Resp: 1297689
Ion Ratio Lower Upper
98 100
100 66.5 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: 251.15 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

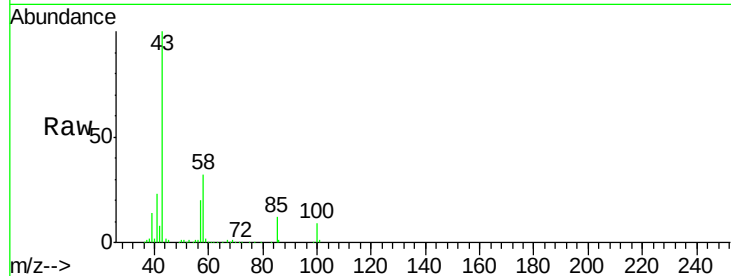
VSTDCCC050

Tot Ion: 43 Resp: 1402485

Ion Ratio Lower Upper

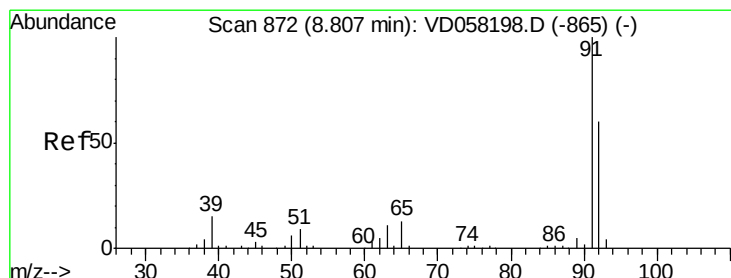
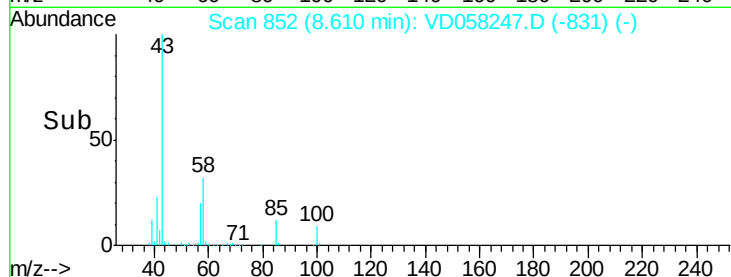
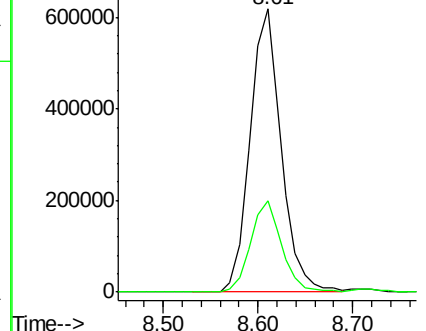
43 100

58 32.2 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: 52.01 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD058247.D

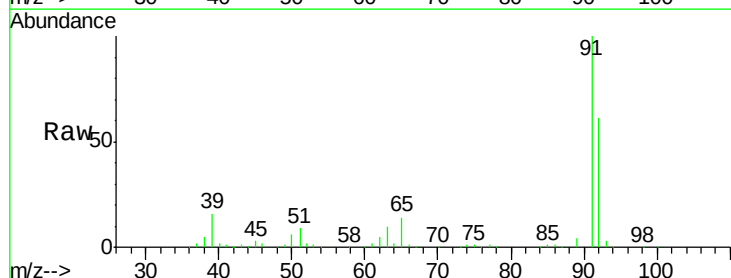
Acq: 21 Jun 2018 12:20

Tgt Ion: 92 Resp: 795091

Ion Ratio Lower Upper

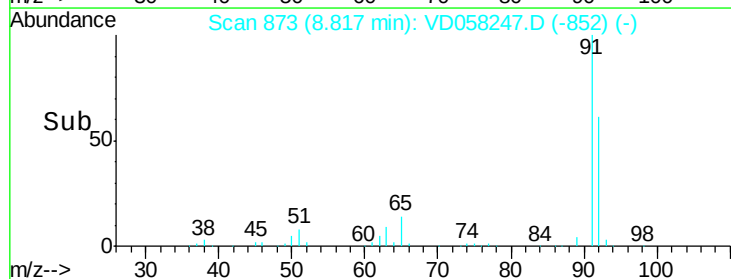
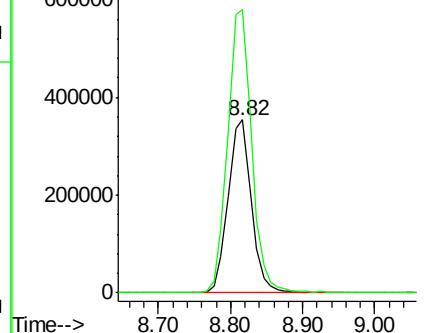
92 100

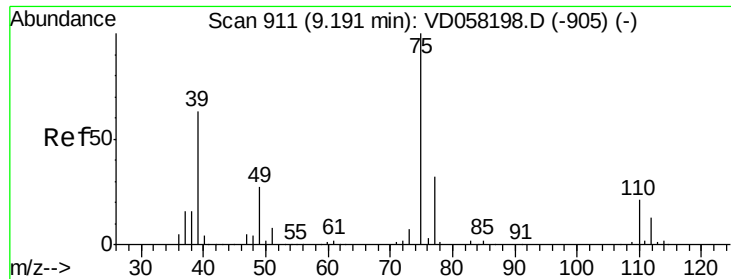
91 163.9 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

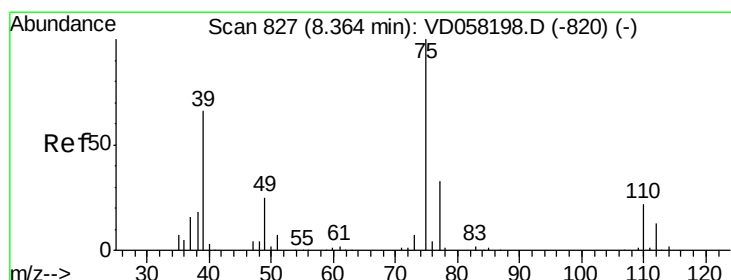
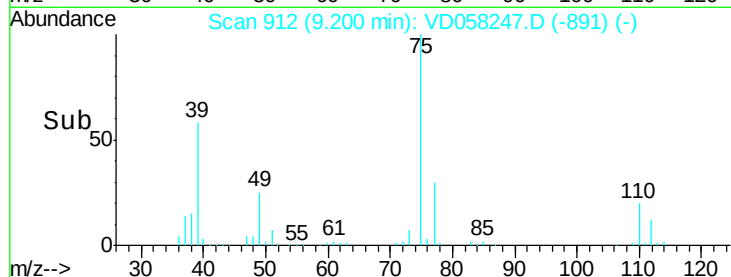
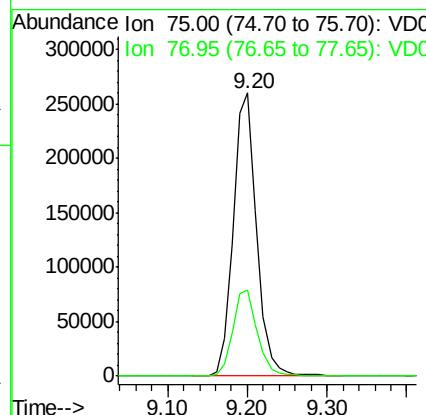
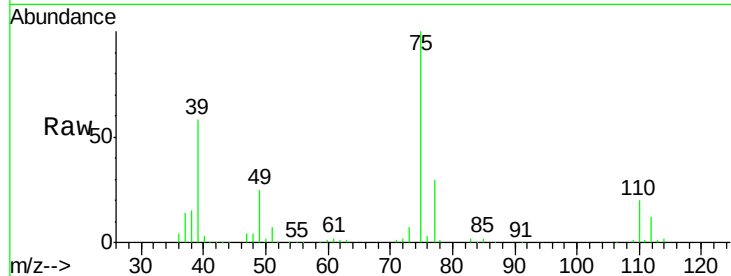




#53
 t-1,3-Dichloropropene
 Concen: 54.52 ug/l
 RT: 9.20 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

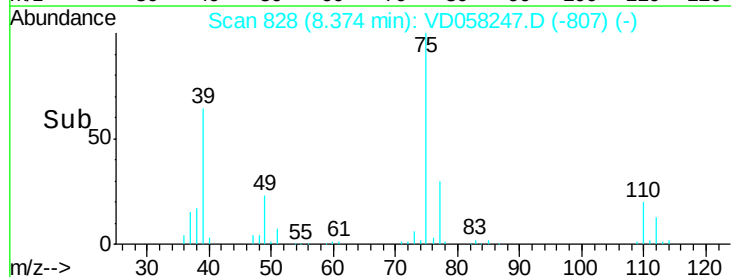
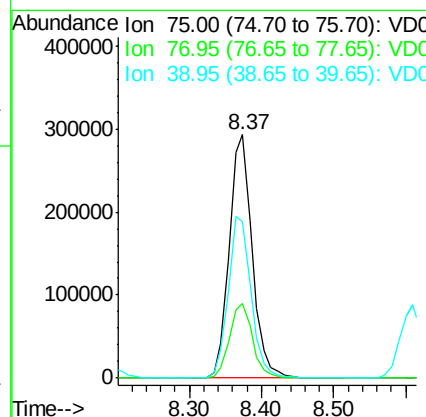
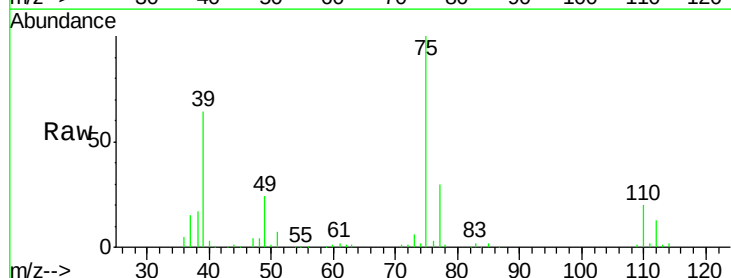
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

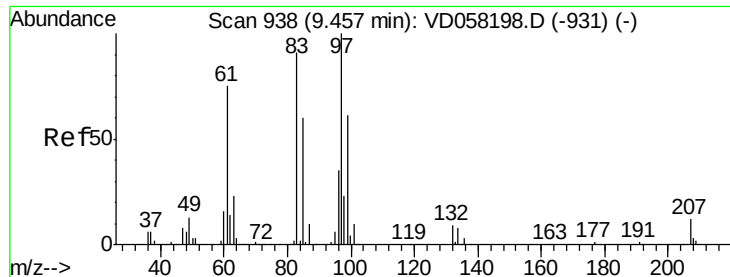
Tot Ion: 75 Resp: 533564
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.28 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 75 Resp: 645689
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.5 39.7
 39 64.4 52.9 79.3

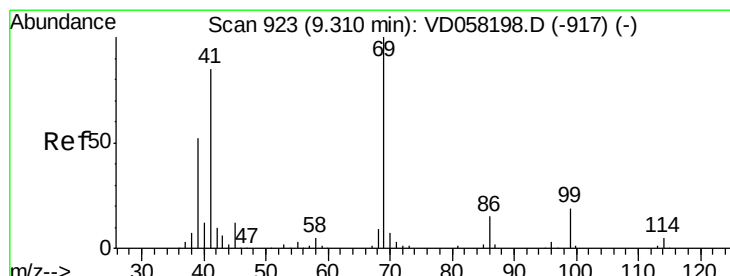
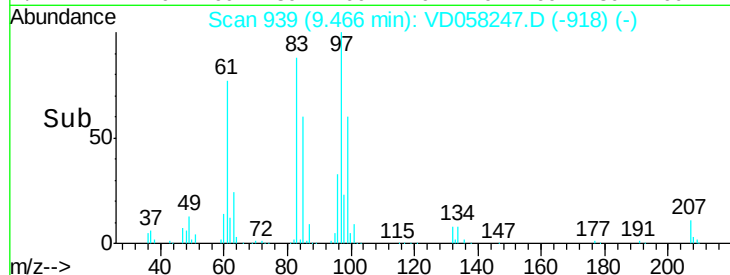
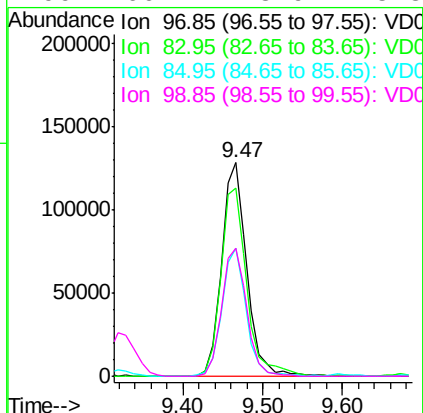
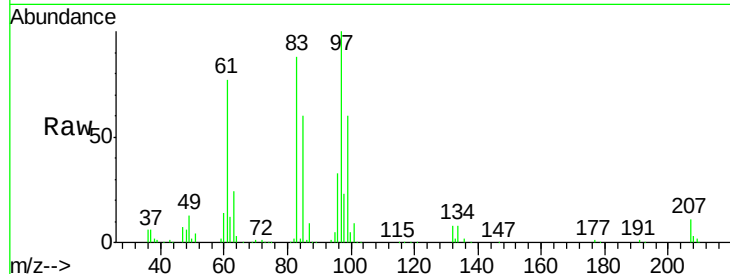




#55
 1,1,2-Trichloroethane
 Concen: 52.34 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

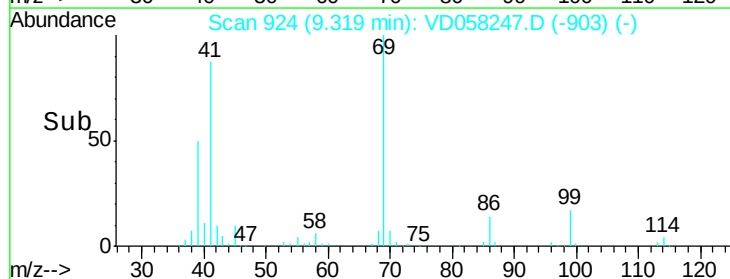
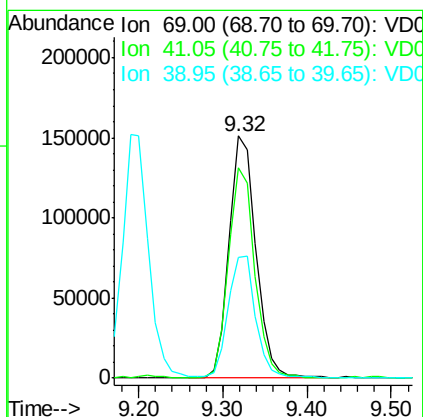
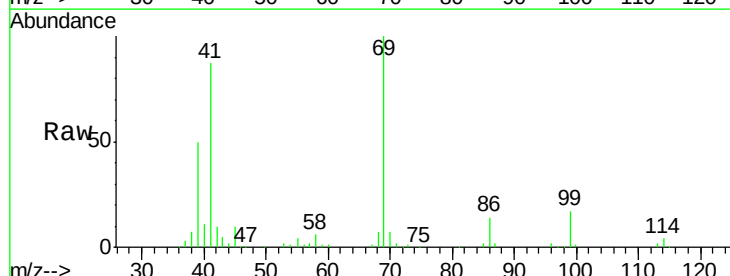
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

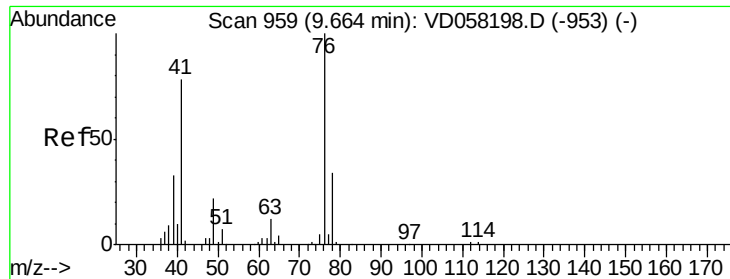
Tot Ion: 97 Resp: 283080
 Ion Ratio Lower Upper
 97 100
 83 88.3 72.9 109.3
 85 59.9 48.2 72.4
 99 60.1 48.9 73.3



#56
 Ethyl methacrylate
 Concen: 52.20 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 69 Resp: 337645
 Ion Ratio Lower Upper
 69 100
 41 86.6 67.6 101.4
 39 50.1 42.2 63.2





#57

1,3-Dichloropropane

Concen: 52.77 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

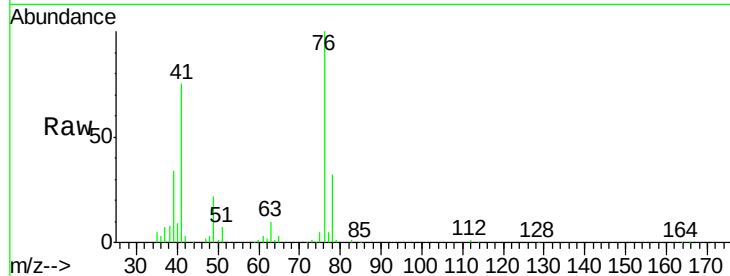
VSTDCCC050

Tot Ion: 76 Resp: 480723

Ion Ratio Lower Upper

76 100

78 31.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

150000

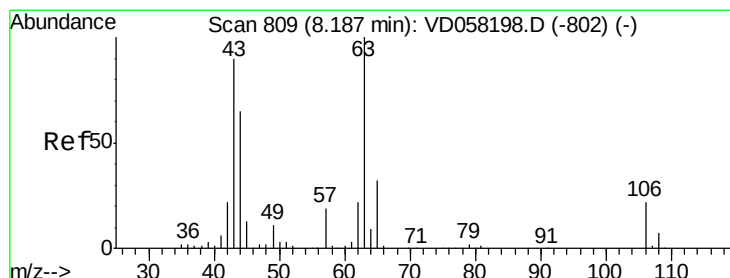
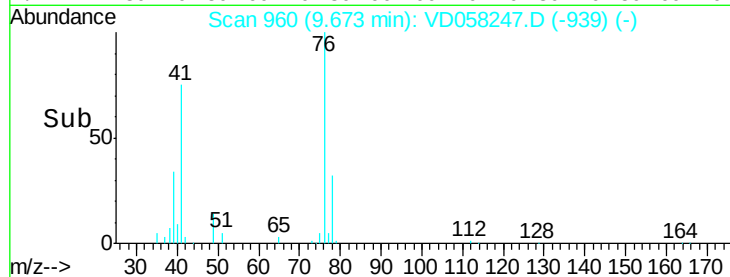
100000

50000

0

9.60 9.70 9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 268.99 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058247.D

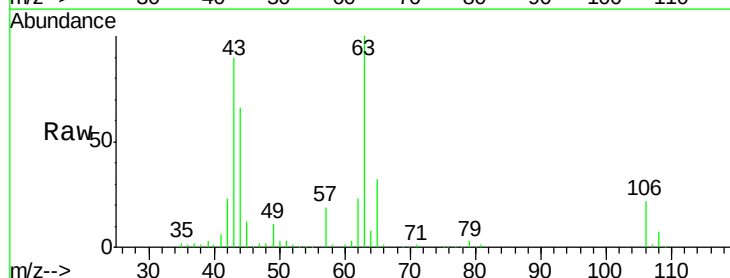
Acq: 21 Jun 2018 12:20

Tgt Ion: 63 Resp: 861346

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

8.20

400000

300000

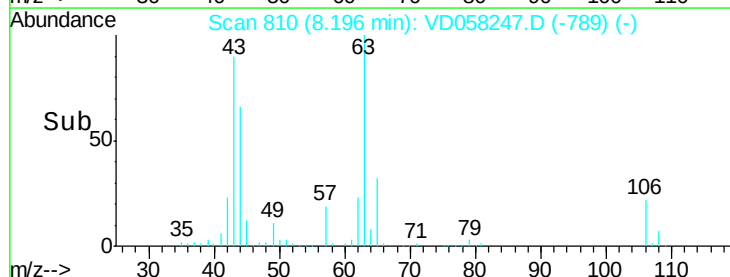
200000

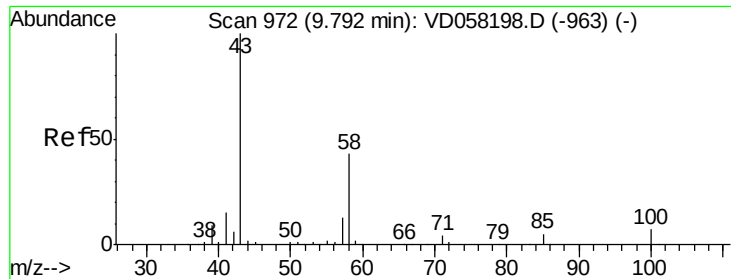
100000

0

8.10 8.20 8.30

Time-->

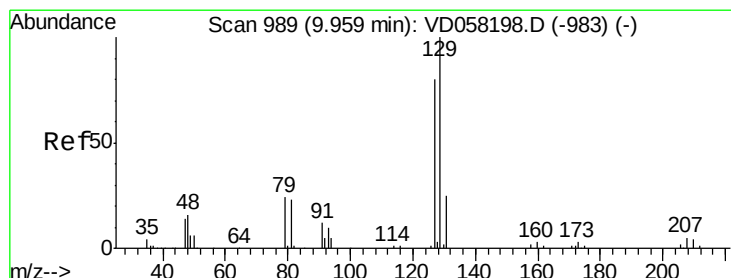
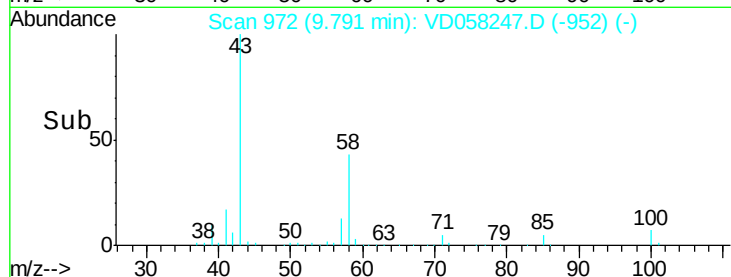
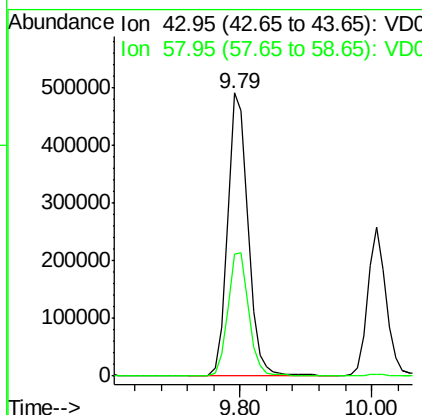
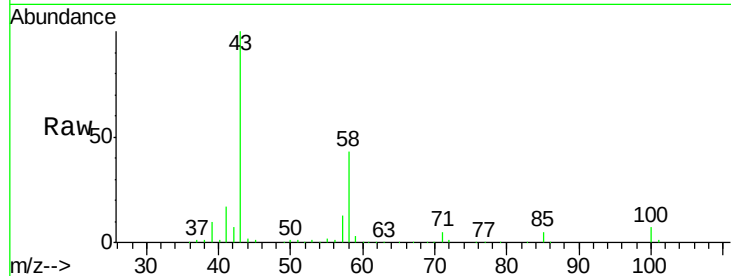




#59
2-Hexanone
Concen: 266.63 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

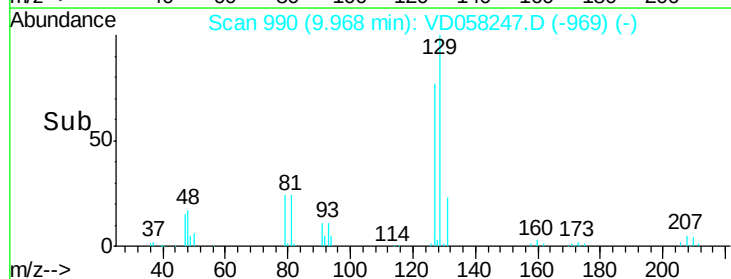
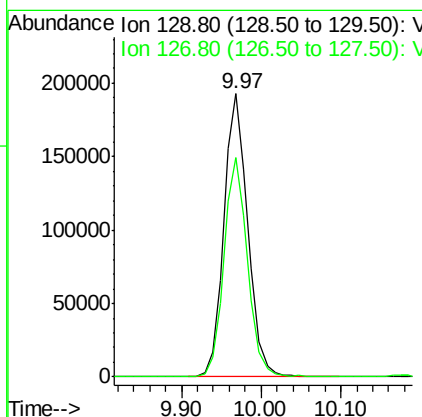
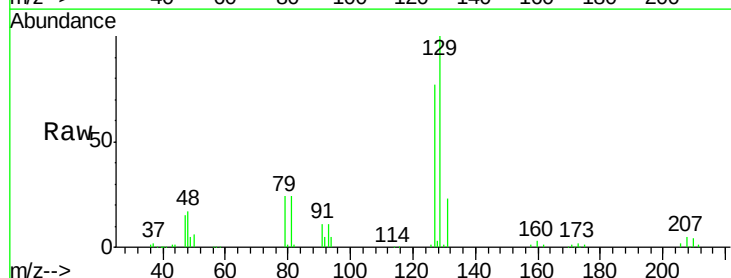
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

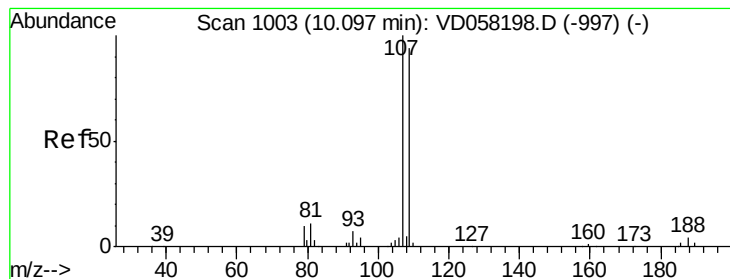
Tot Ion: 43 Resp: 1075859
Ion Ratio Lower Upper
43 100
58 43.3 21.7 65.1



#60
Dibromochloromethane
Concen: 55.25 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 129 Resp: 405515
Ion Ratio Lower Upper
129 100
127 77.4 39.8 119.4





#61

1,2-Dibromoethane

Concen: 52.32 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

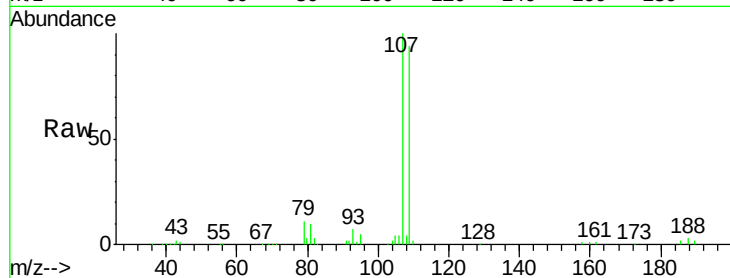
VSTDCCC050

Tot Ion:107 Resp: 309724

Ion Ratio Lower Upper

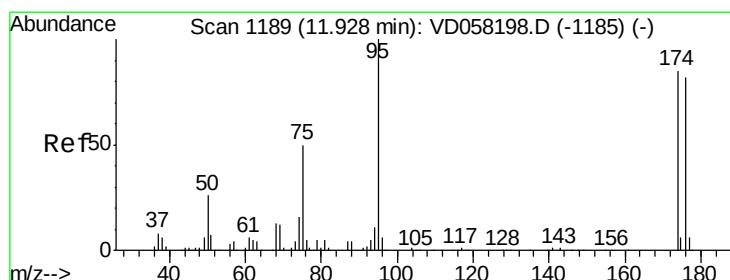
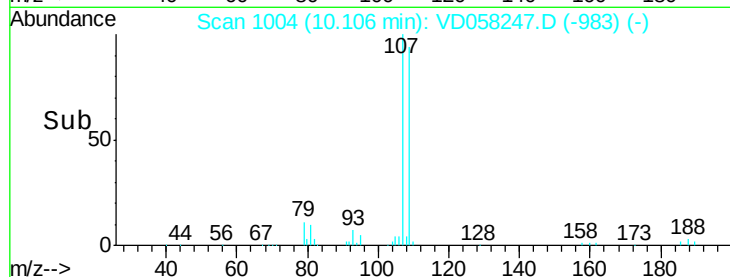
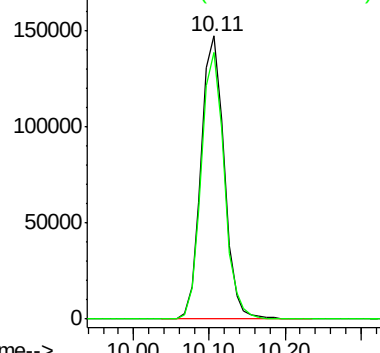
107 100

109 94.4 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: 52.32 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

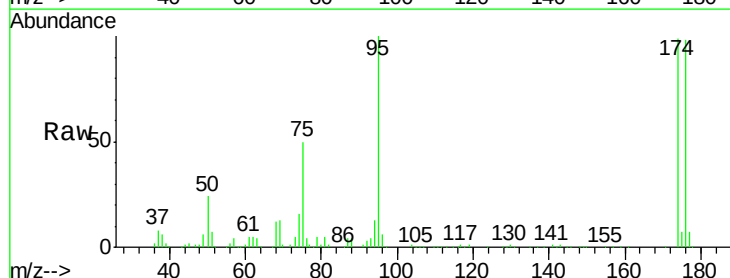
Tgt Ion: 95 Resp: 503469

Ion Ratio Lower Upper

95 100

174 98.6 0.0 170.2

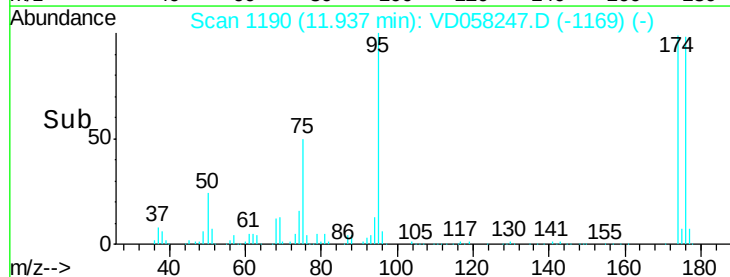
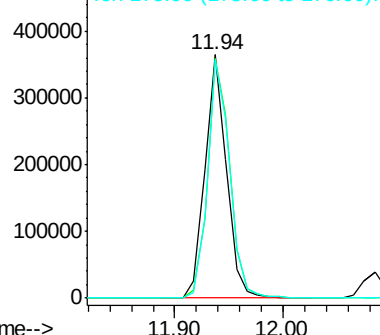
176 98.1 0.0 164.6

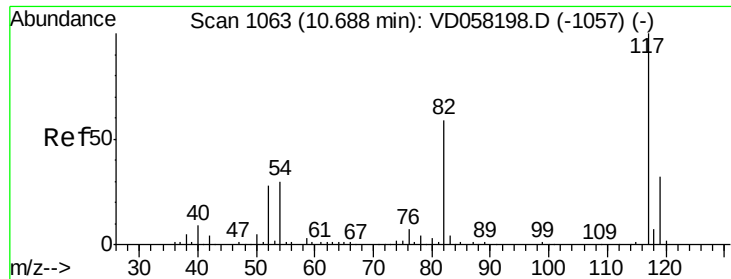


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

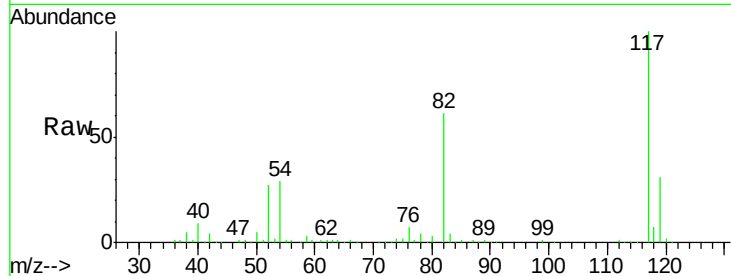




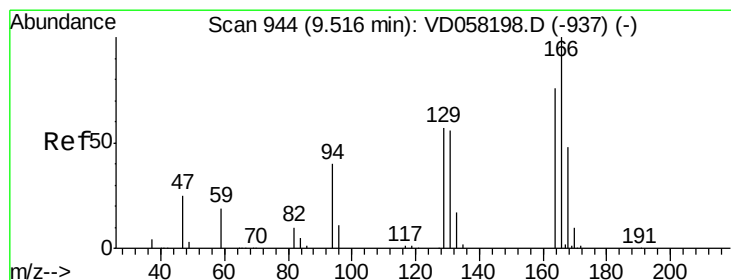
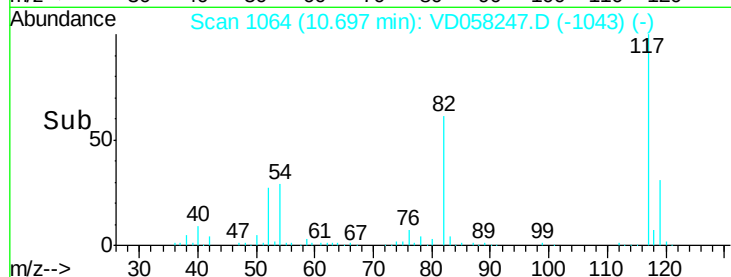
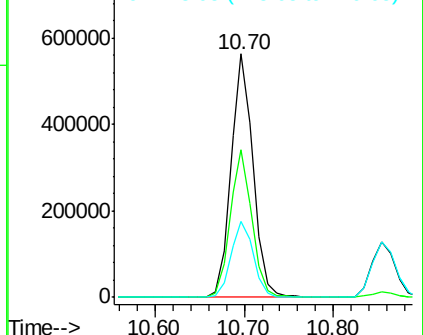
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 980379
Ion Ratio Lower Upper
117 100
82 60.7 47.0 70.6
119 31.3 25.3 37.9

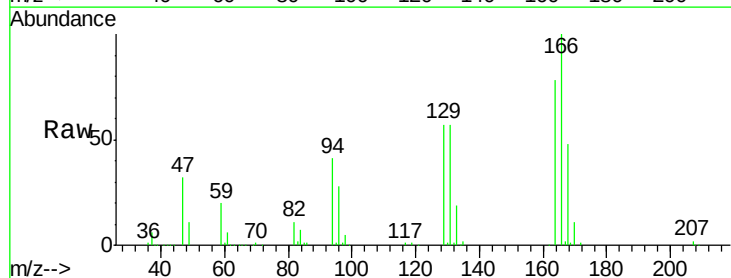


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

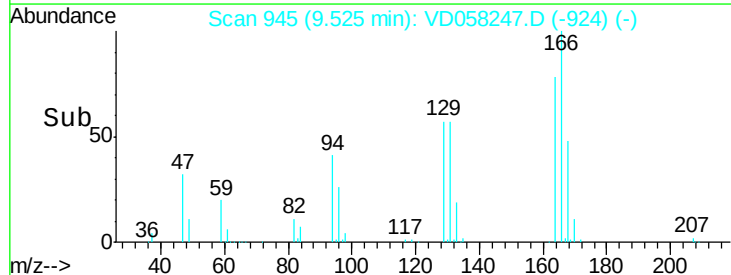
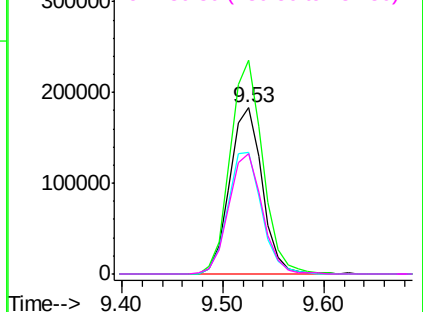


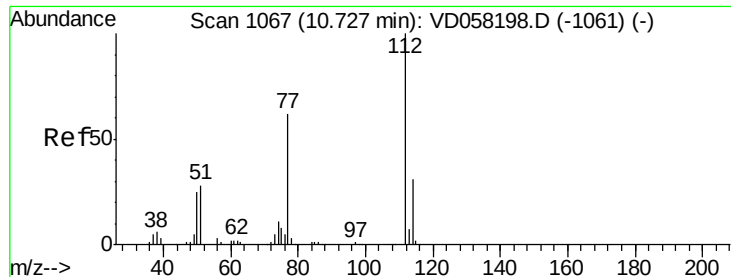
#64
Tetrachloroethene
Concen: 49.48 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion:164 Resp: 408135
Ion Ratio Lower Upper
164 100
166 128.5 105.4 158.0
129 73.2 59.6 89.4
131 72.6 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

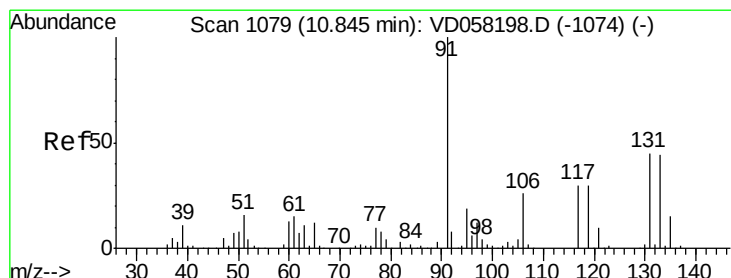
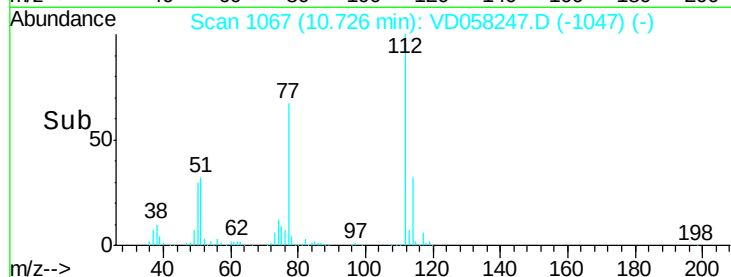
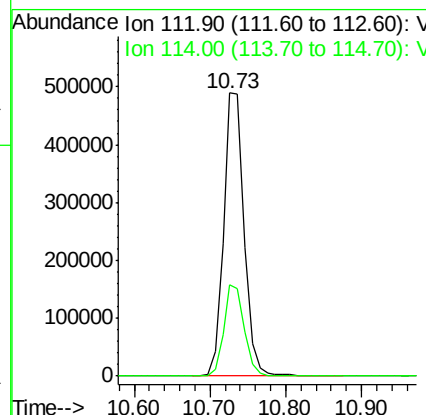
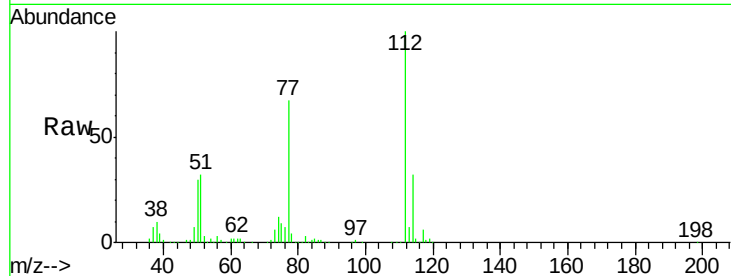




#65
Chlorobenzene
Concen: 50.49 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

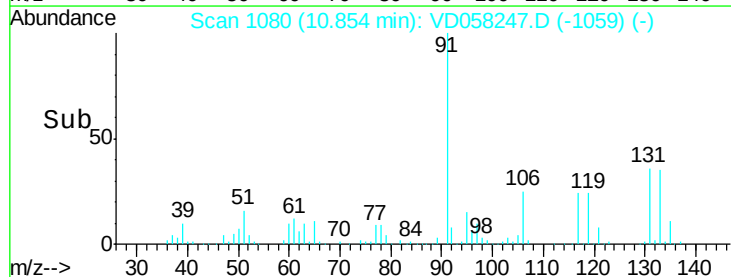
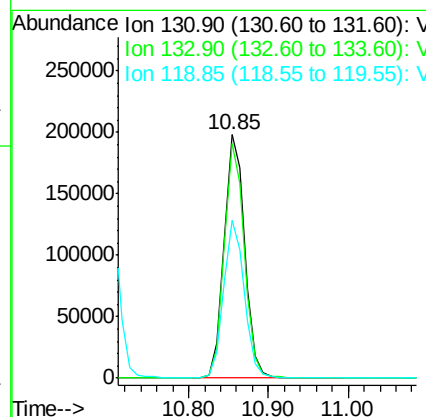
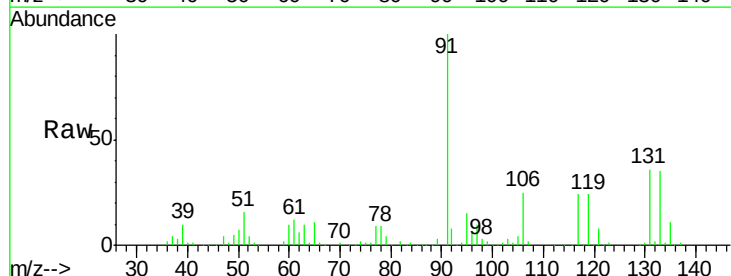
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

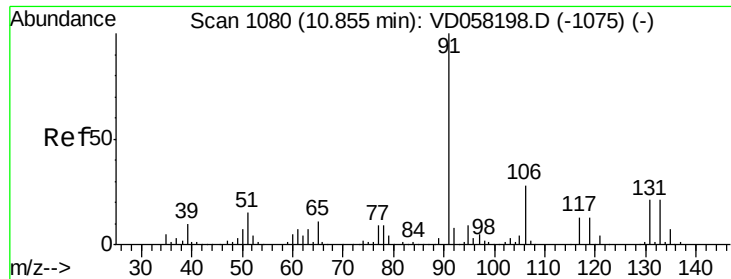
Tot Ion:112 Resp: 925905
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.21 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion:131 Resp: 362392
Ion Ratio Lower Upper
131 100
133 96.5 48.6 145.9
119 65.1 33.0 99.0

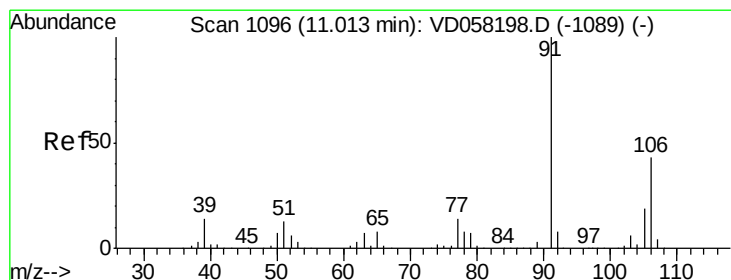
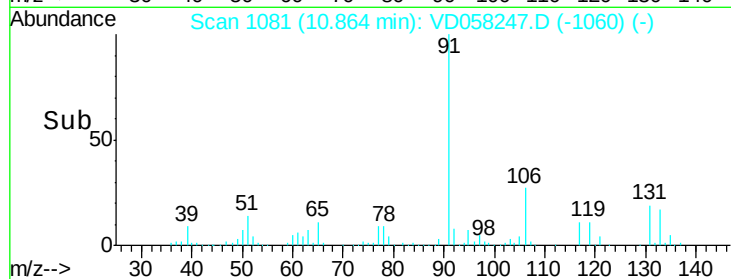
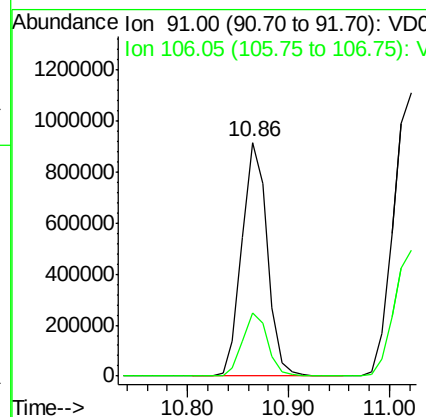
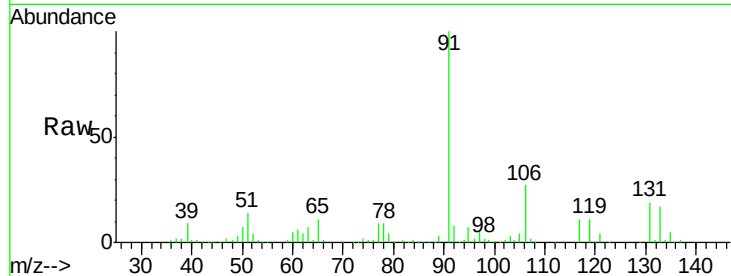




#67
Ethyl Benzene
Concen: 49.73 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

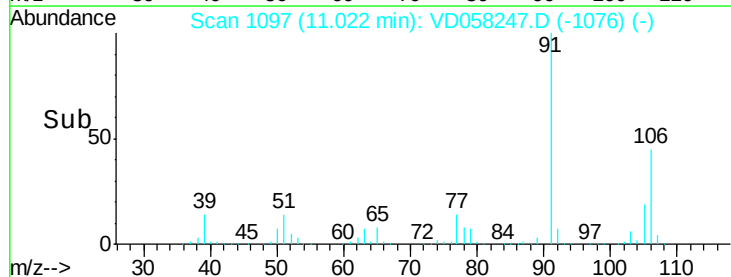
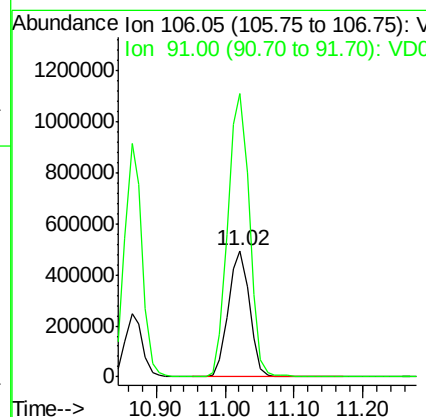
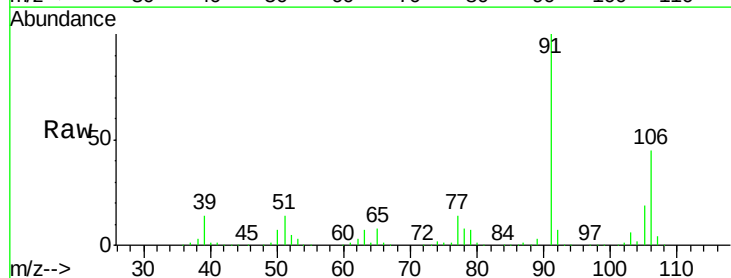
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

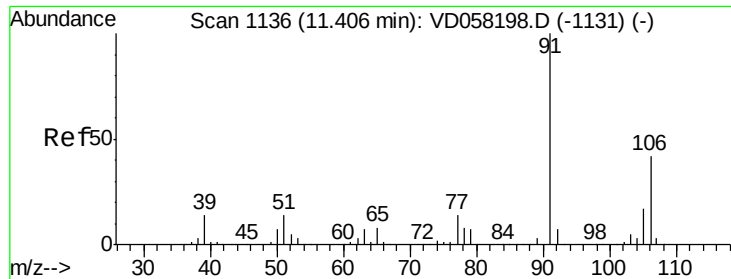
Tot Ion: 91 Resp: 1610011
Ion Ratio Lower Upper
91 100
106 27.0 22.0 33.0



#68
m/p-Xylenes
Concen: 97.52 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 106 Resp: 1052918
Ion Ratio Lower Upper
106 100
91 224.4 185.0 277.6

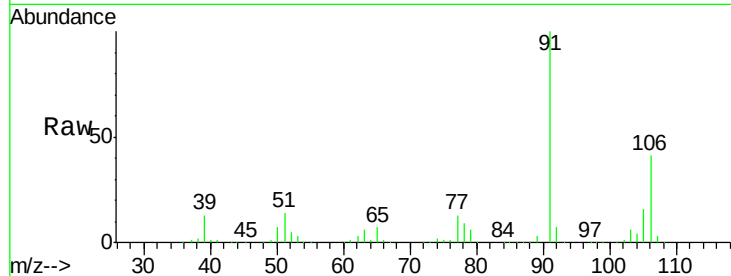




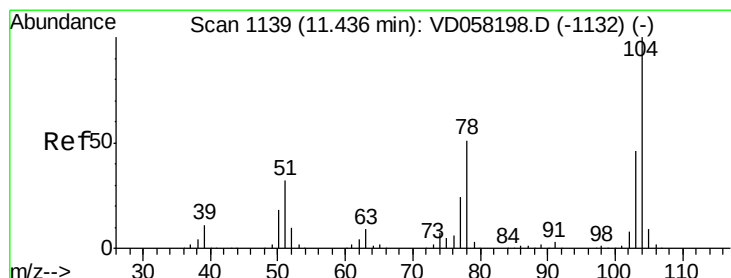
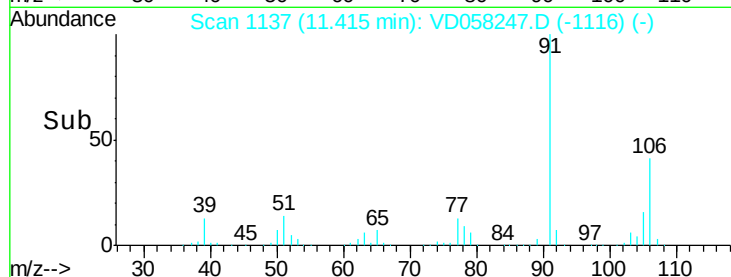
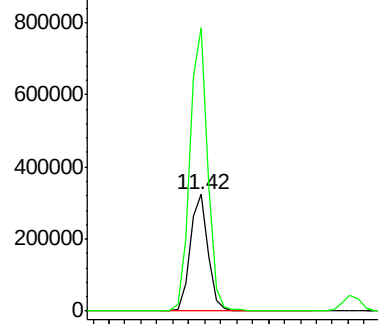
#69
o-Xylene
Concen: 49.85 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 514047
Ion Ratio Lower Upper
106 100
91 242.2 120.2 360.6

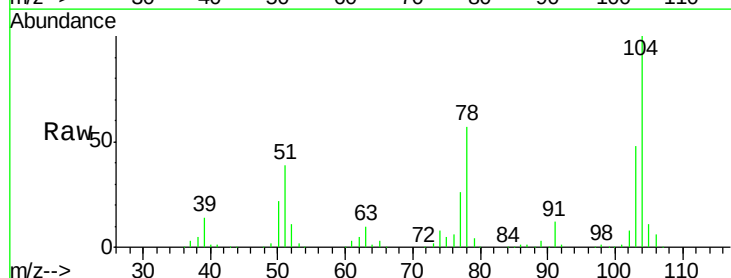


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

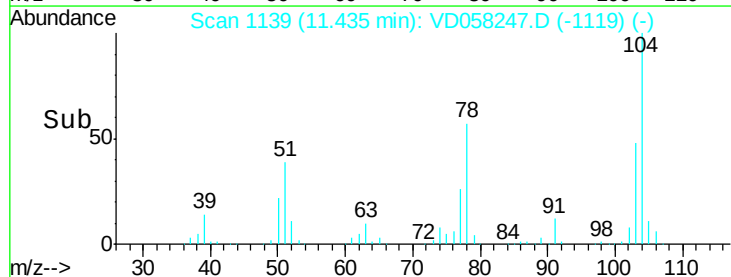
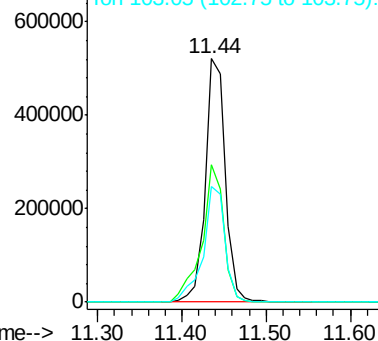


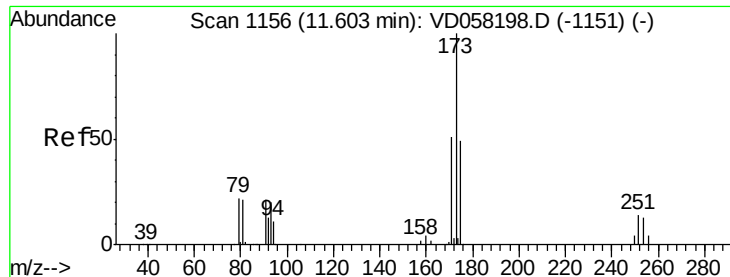
#70
Styrene
Concen: 48.65 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion:104 Resp: 856052
Ion Ratio Lower Upper
104 100
78 56.6 40.8 61.2
103 47.6 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: 50.93 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

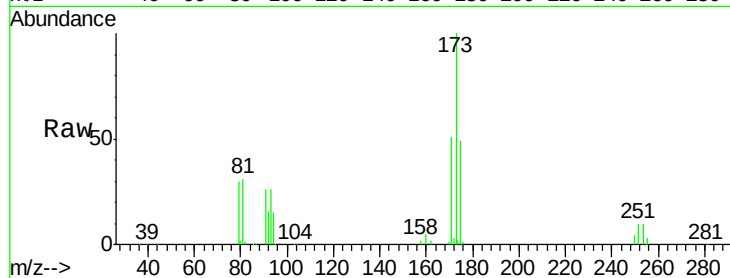
Tot Ion:173 Resp: 287530

Ion Ratio Lower Upper

173 100

175 48.9 24.6 74.0

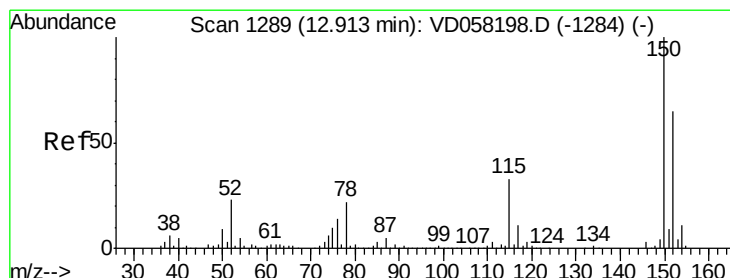
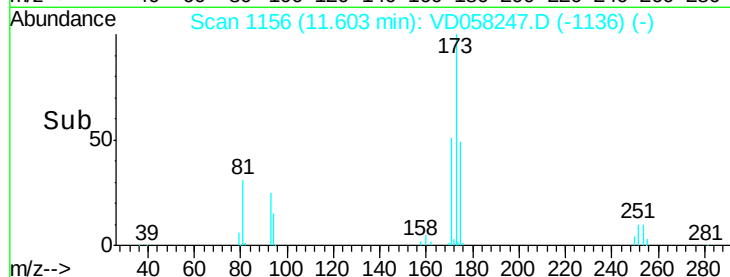
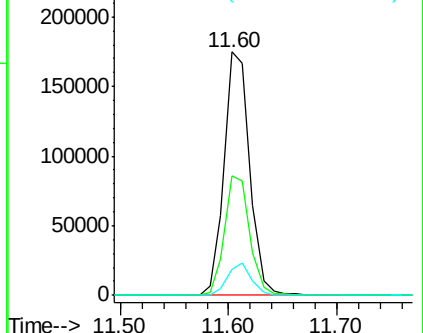
254 10.5 10.3 15.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

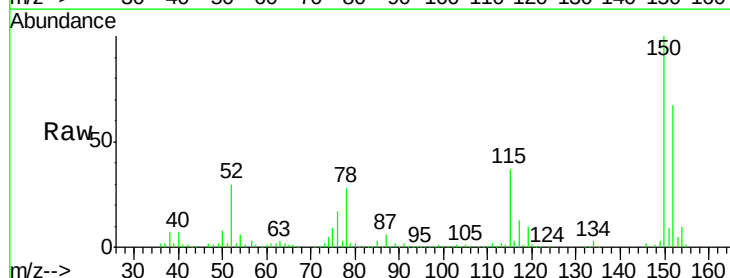
Tgt Ion:152 Resp: 500094

Ion Ratio Lower Upper

152 100

115 54.6 25.1 75.3

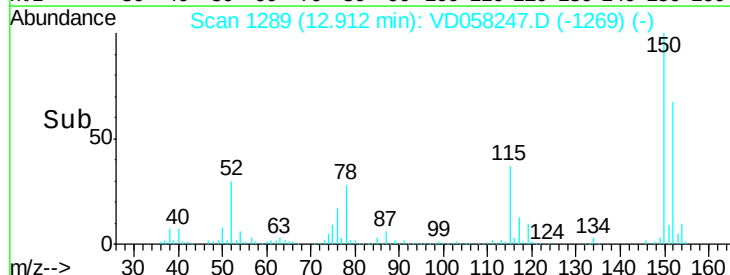
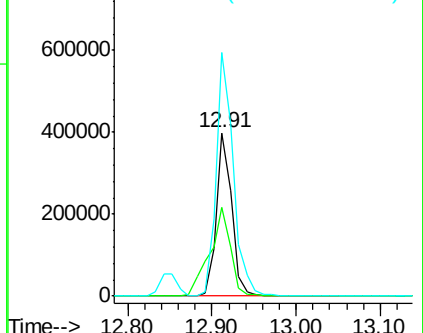
150 149.2 0.0 308.8

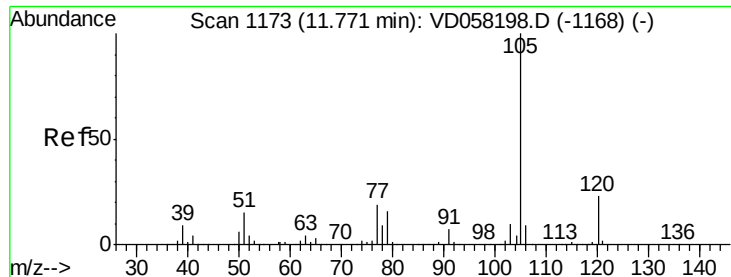


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.58 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

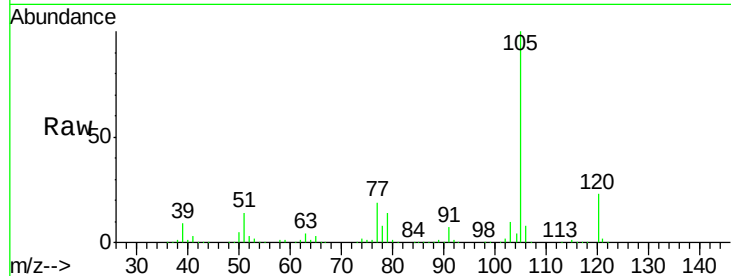
VSTDCCC050

Tot Ion:105 Resp: 1512894

Ion Ratio Lower Upper

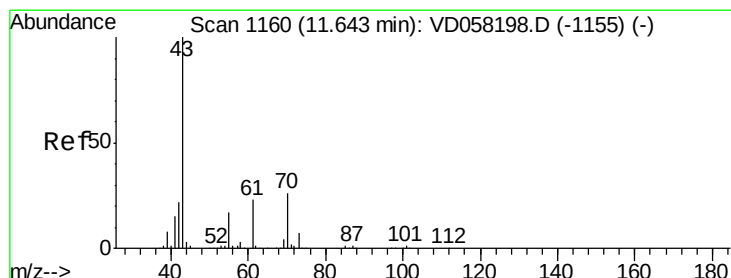
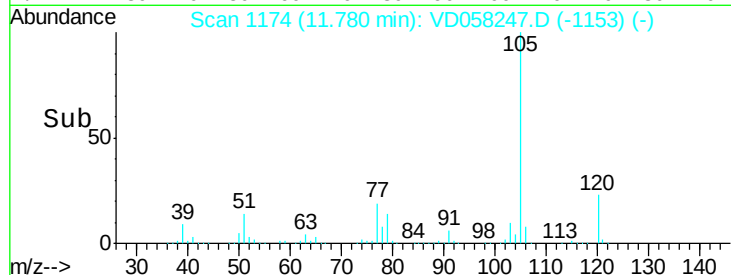
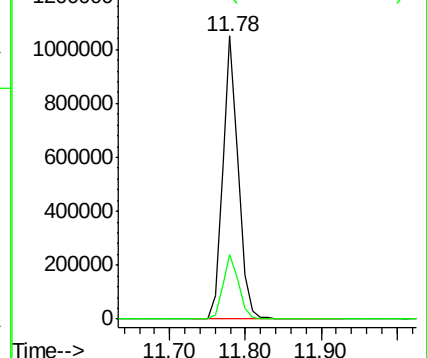
105 100

120 22.9 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: 48.72 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Tgt Ion: 43 Resp: 563479

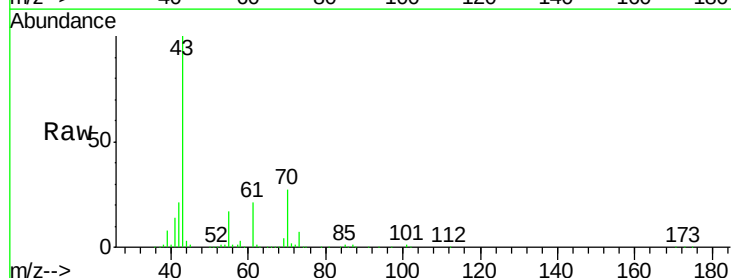
Ion Ratio Lower Upper

43 100

70 26.7 20.9 31.3

55 17.5 13.5 20.3

61 21.5 18.2 27.2

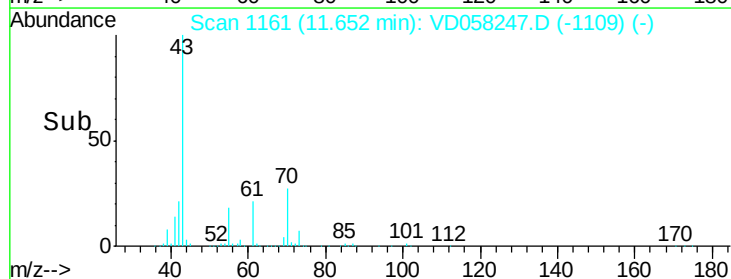
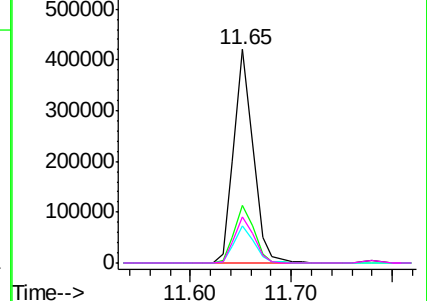


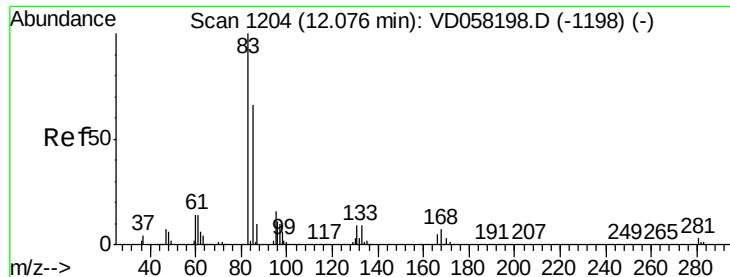
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.77 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

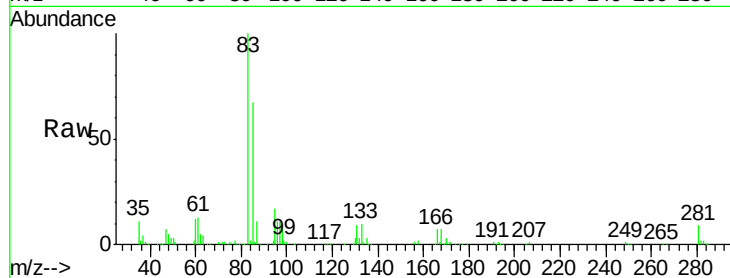
Tot Ion: 83 Resp: 339508

Ion Ratio Lower Upper

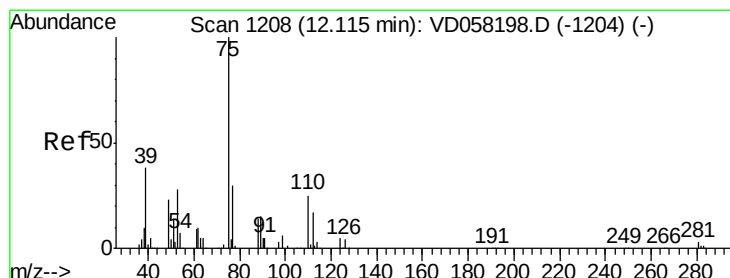
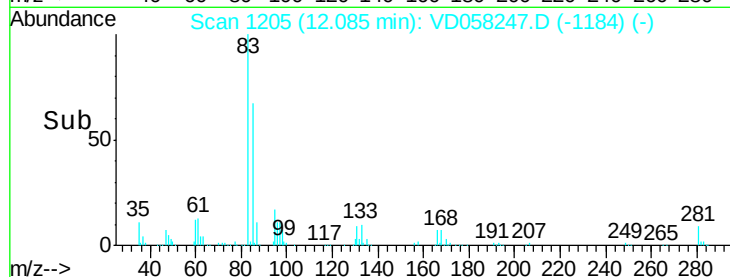
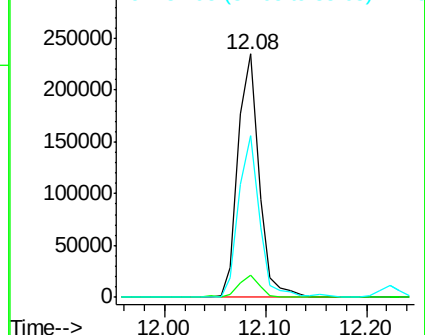
83 100

131 9.0 4.8 14.3

85 66.5 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: 46.19 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058247.D

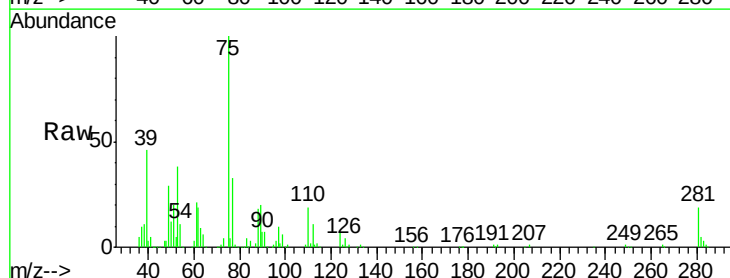
Acq: 21 Jun 2018 12:20

Tgt Ion: 75 Resp: 337282

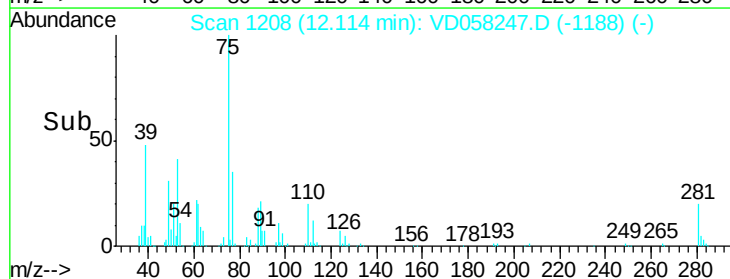
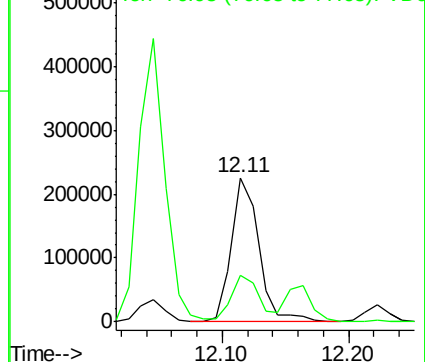
Ion Ratio Lower Upper

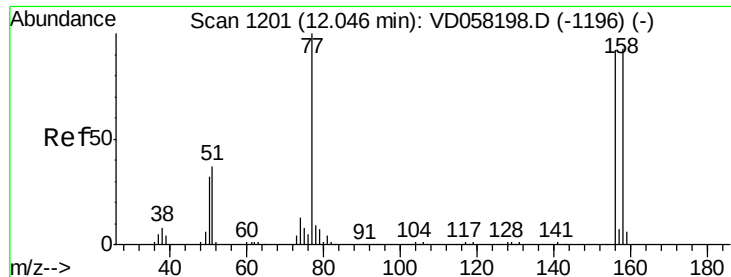
75 100

77 32.6 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: 51.38 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

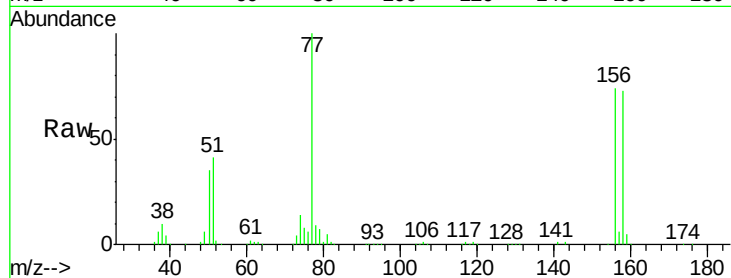
Tot Ion:156 Resp: 460192

Ion Ratio Lower Upper

156 100

77 135.4 54.5 163.6

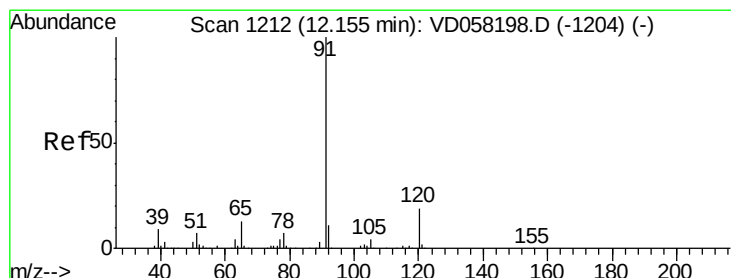
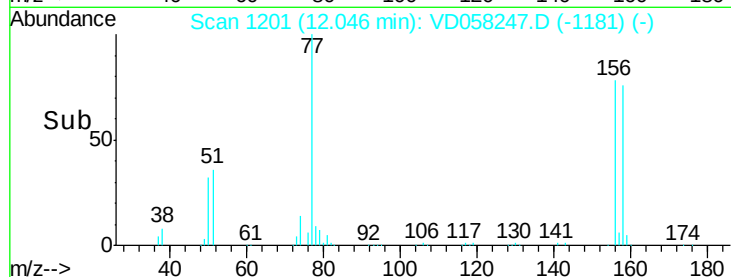
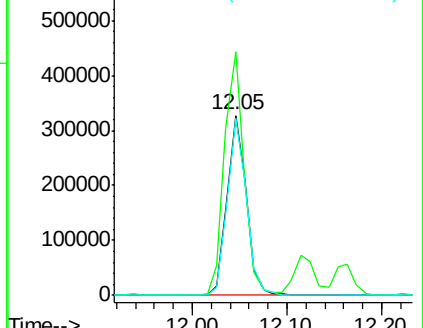
158 98.2 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.54 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058247.D

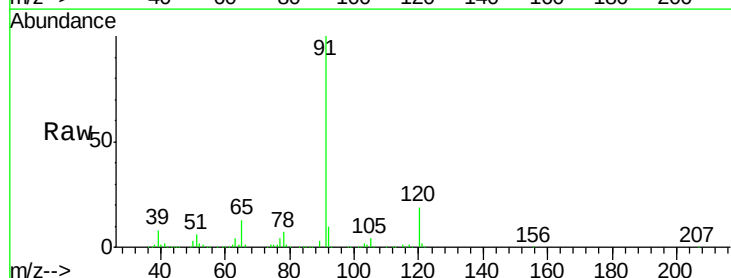
Acq: 21 Jun 2018 12:20

Tgt Ion: 91 Resp: 1952435

Ion Ratio Lower Upper

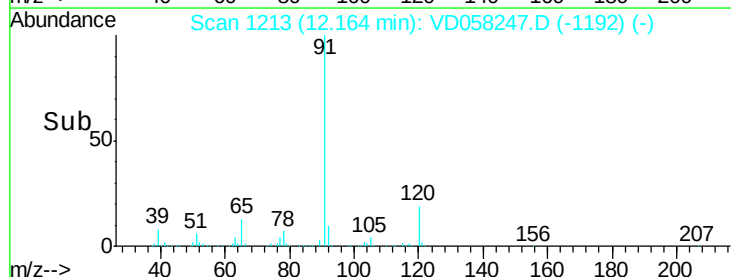
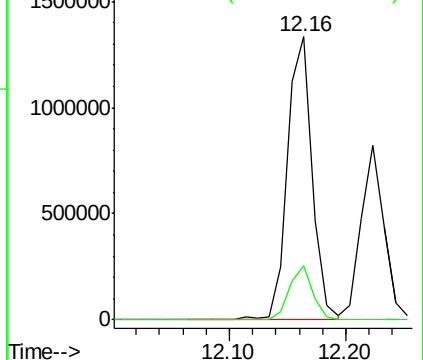
91 100

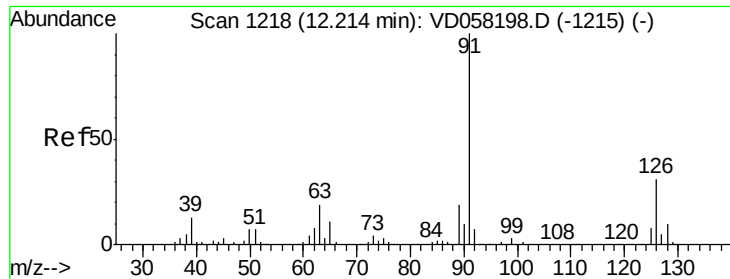
120 19.3 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

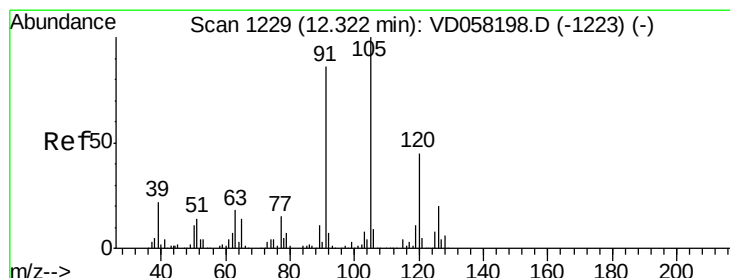
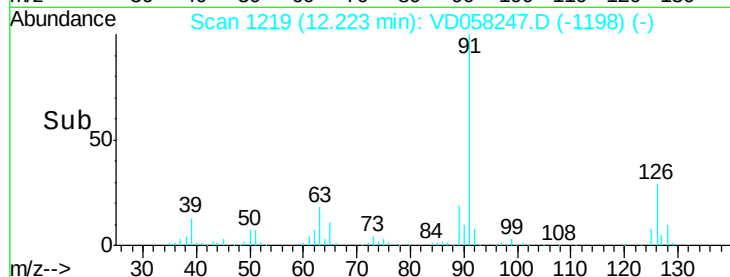
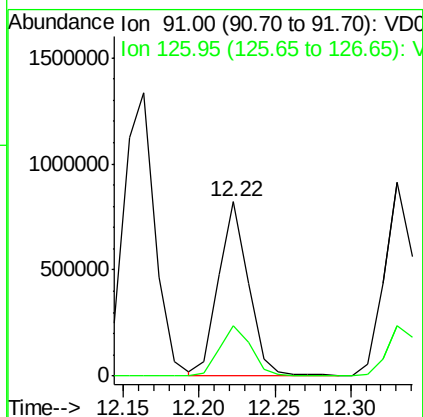
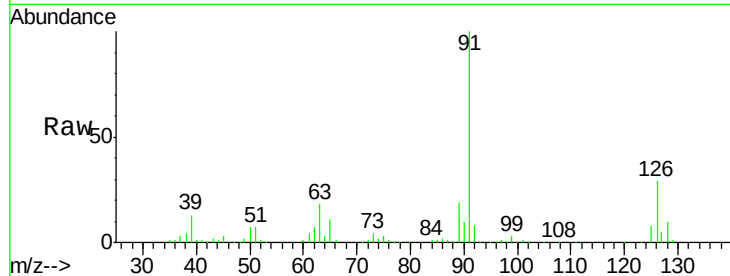




#79
 2-Chlorotoluene
 Concen: 50.67 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

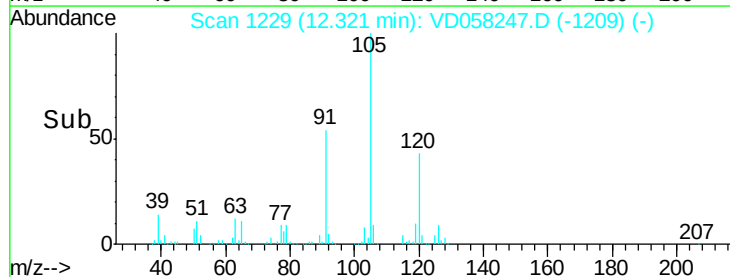
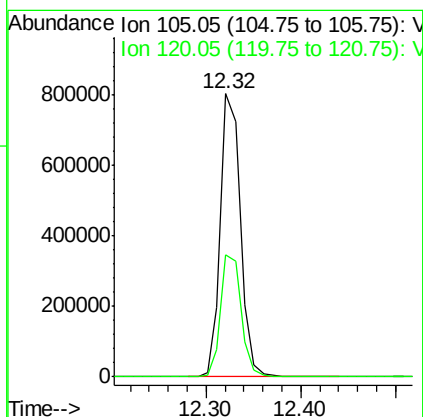
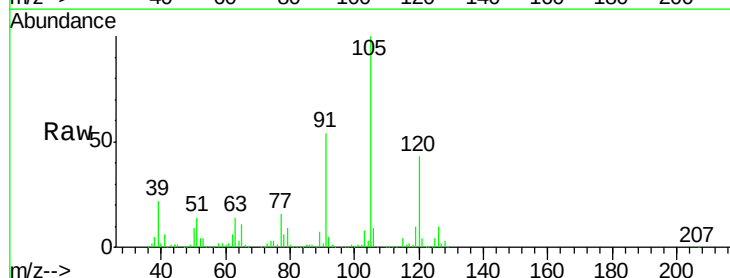
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

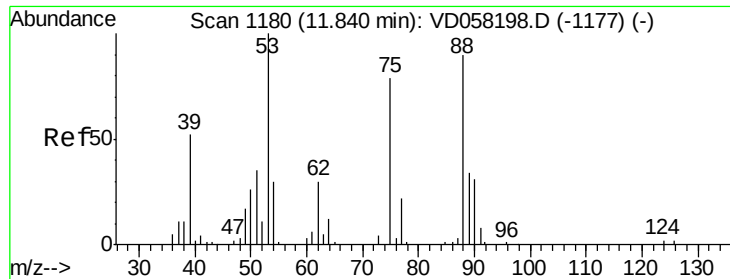
Tot Ion: 91 Resp: 1120143
 Ion Ratio Lower Upper
 91 100
 126 29.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.51 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 105 Resp: 1178461
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 52.93 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

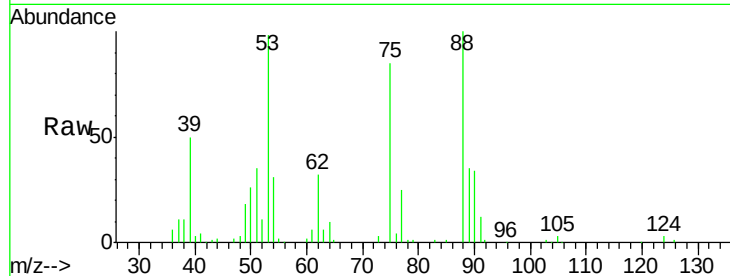
Tot Ion: 75 Resp: 94258

Ion Ratio Lower Upper

75 100

53 114.9 100.8 151.2

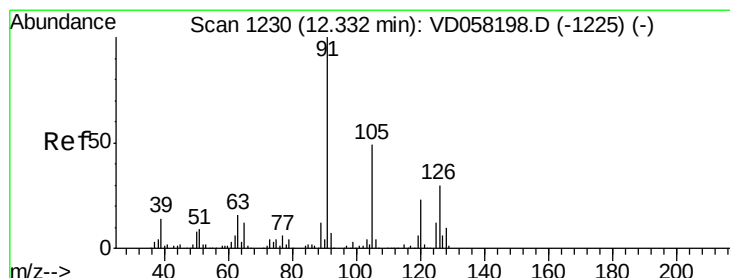
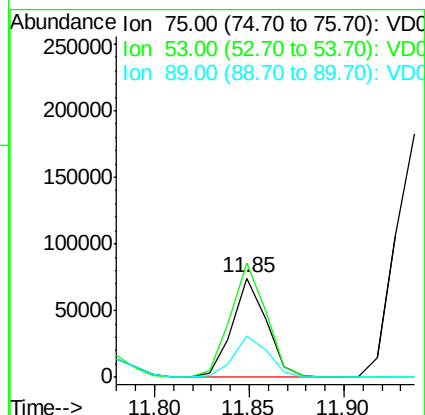
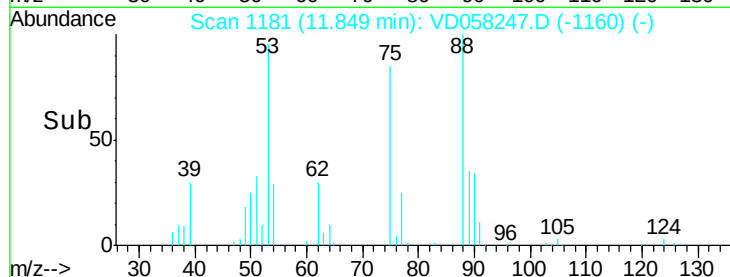
89 41.1 34.6 52.0



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: 59.05 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD058247.D

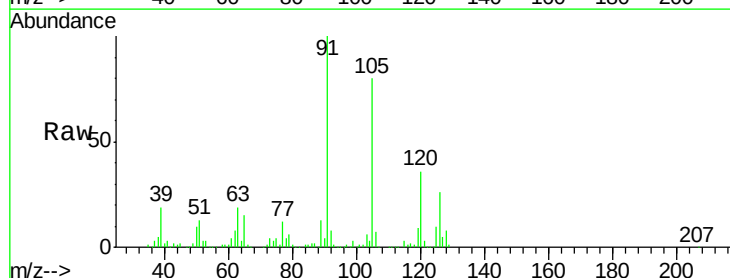
Acq: 21 Jun 2018 12:20

Tgt Ion: 91 Resp: 1250918

Ion Ratio Lower Upper

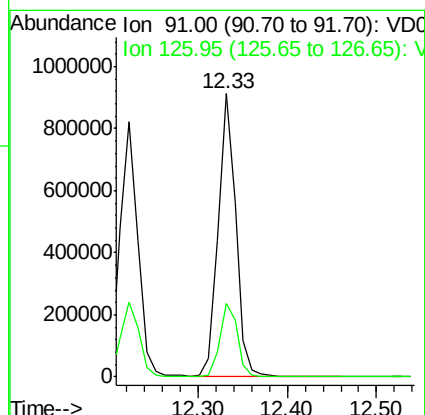
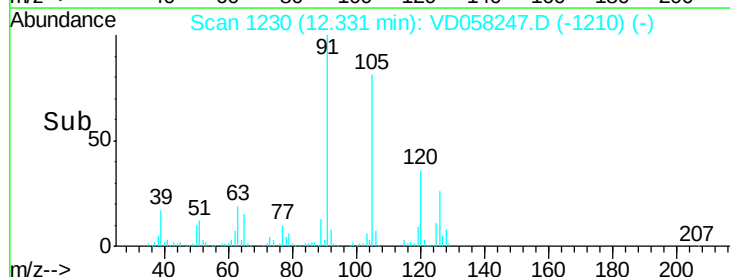
91 100

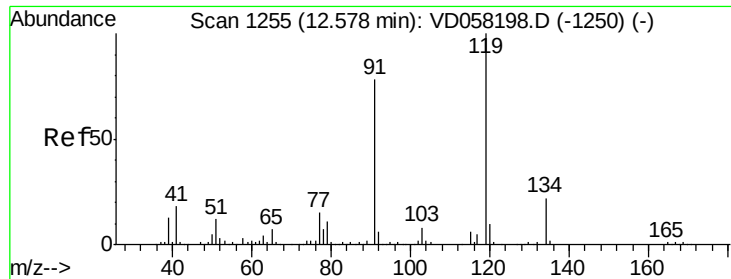
126 26.1 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

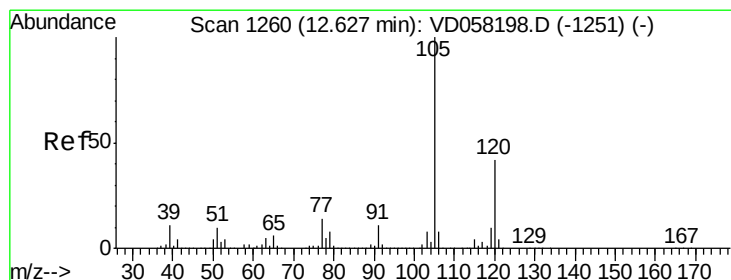
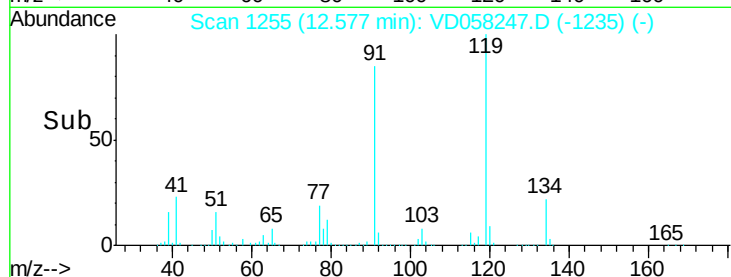
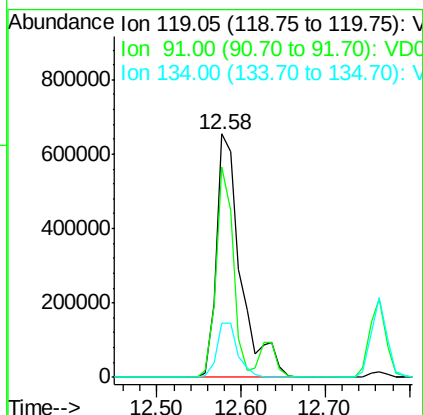
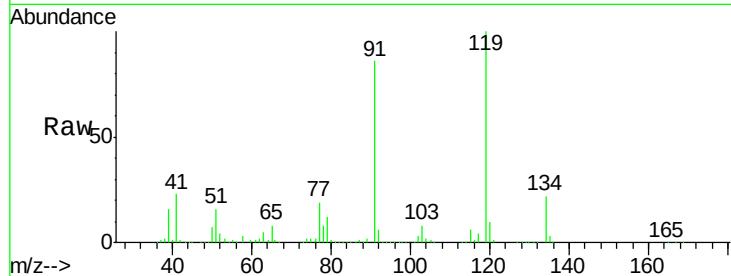




#83
 tert-Butylbenzene
 Concen: 48.90 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

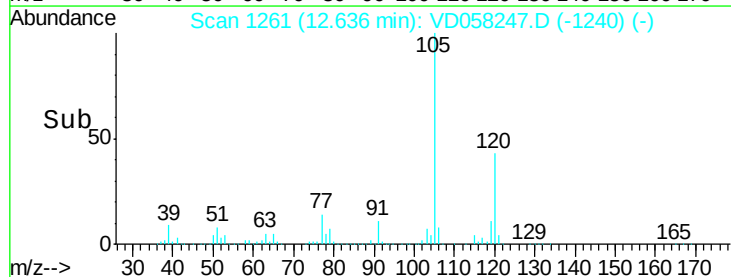
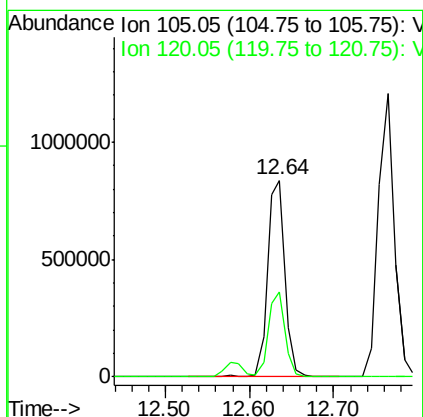
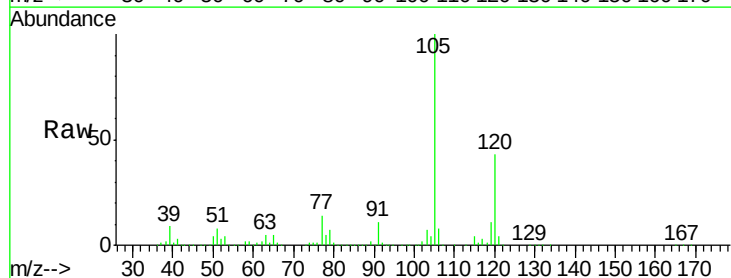
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

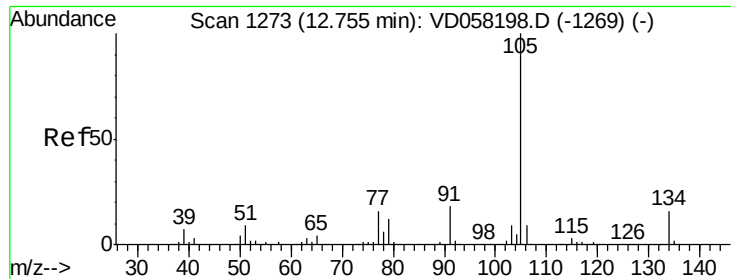
Tot Ion:119 Resp: 1311816
 Ion Ratio Lower Upper
 119 100
 91 86.3 38.9 116.6
 134 22.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 47.83 ug/l
 RT: 12.64 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion:105 Resp: 1213156
 Ion Ratio Lower Upper
 105 100
 120 43.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 51.10 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

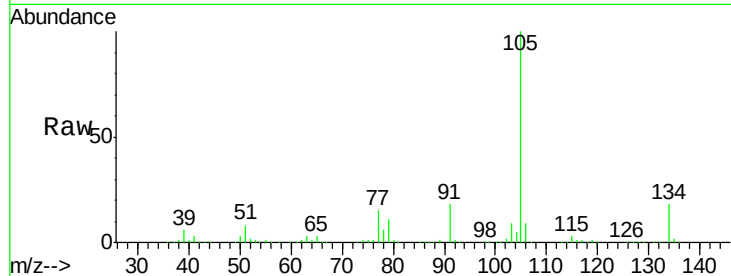
VSTDCCC050

Tot Ion:105 Resp: 1606600

Ion Ratio Lower Upper

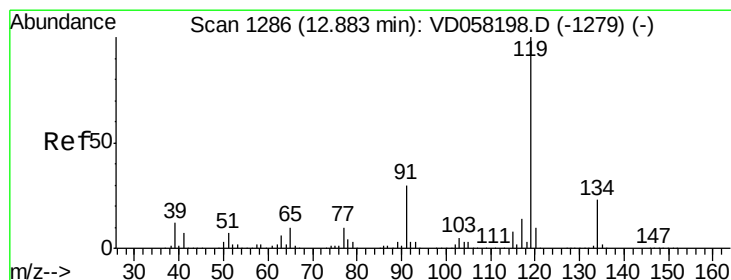
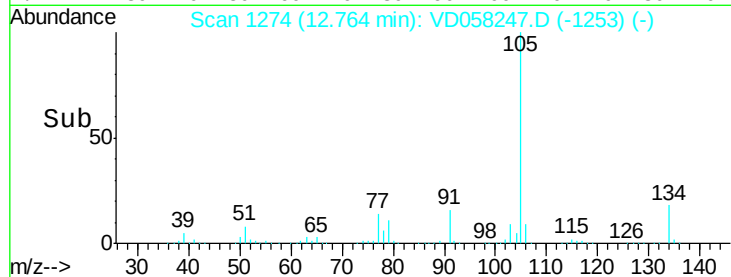
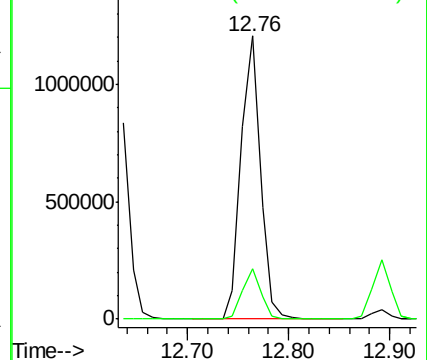
105 100

134 17.8 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: 50.37 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

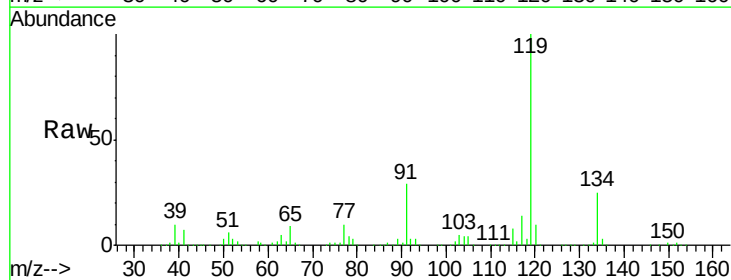
Tgt Ion:119 Resp: 1283411

Ion Ratio Lower Upper

119 100

134 24.6 11.6 34.8

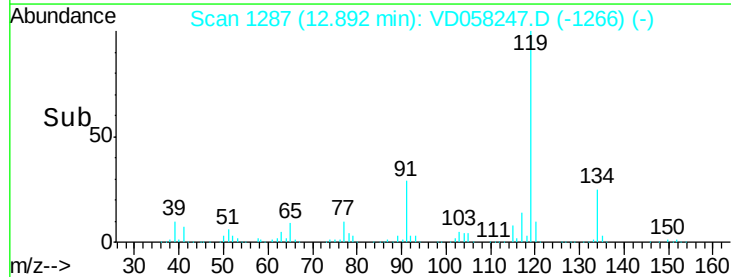
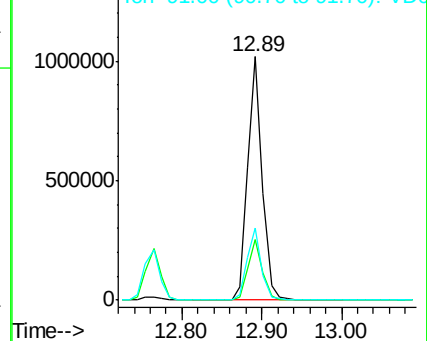
91 29.4 15.0 45.1

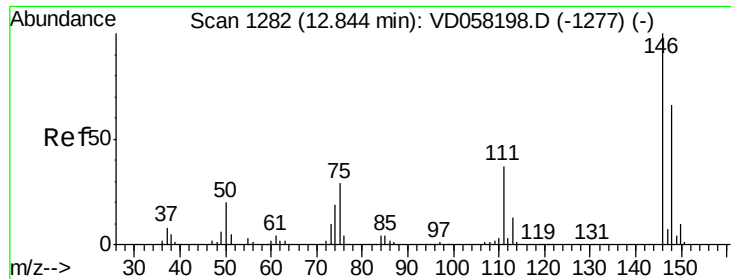


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

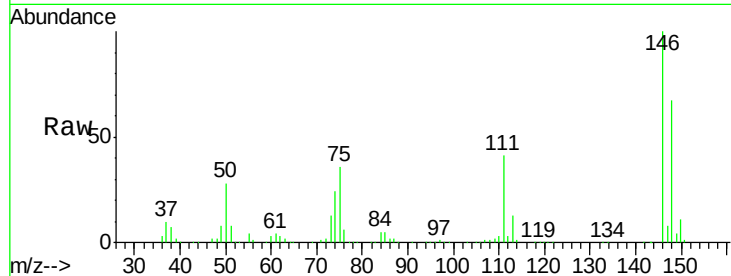




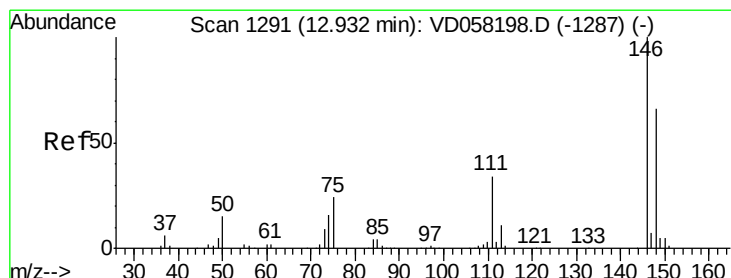
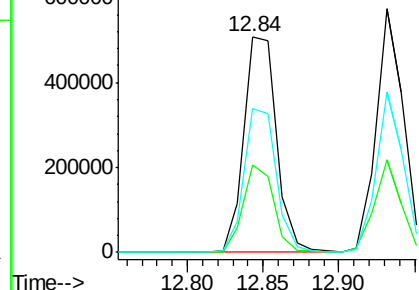
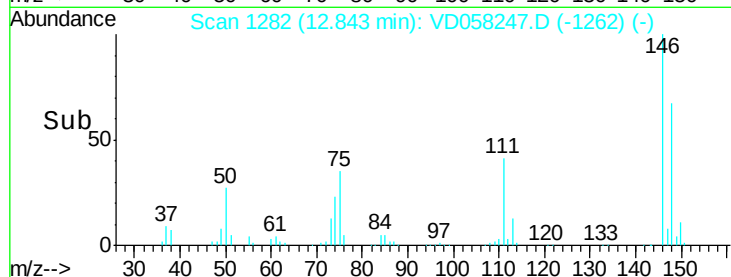
#87
 1,3-Dichlorobenzene
 Concen: 48.90 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.4	55.0
148	66.7	32.8	98.4

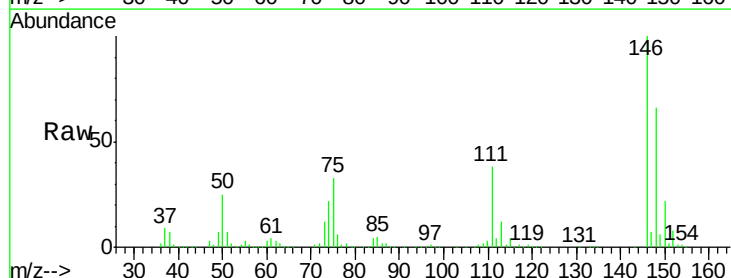


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

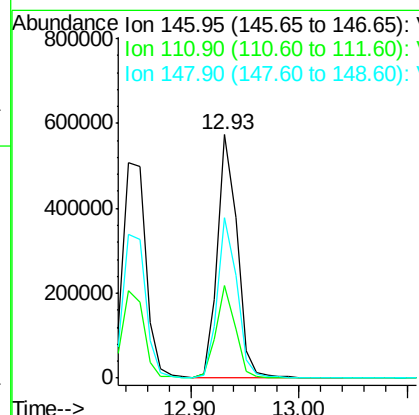
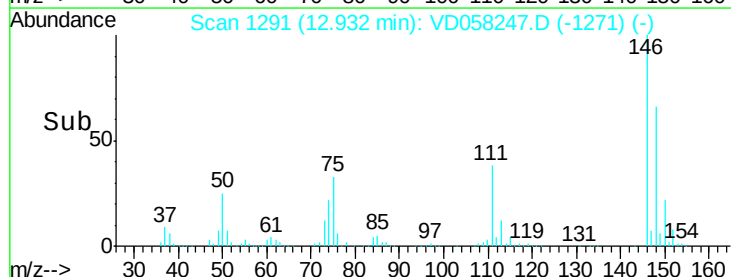


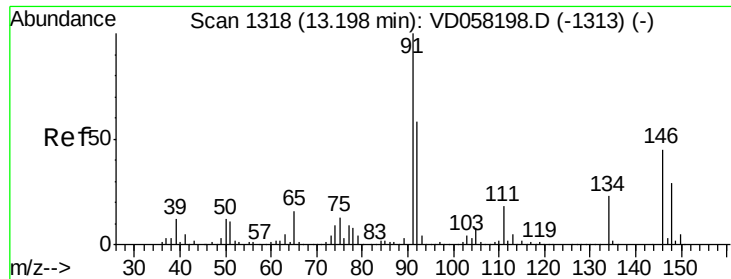
#88
 1,4-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.2	51.5
148	65.7	33.1	99.3



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

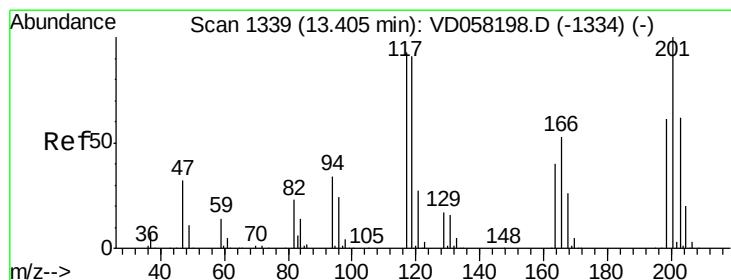
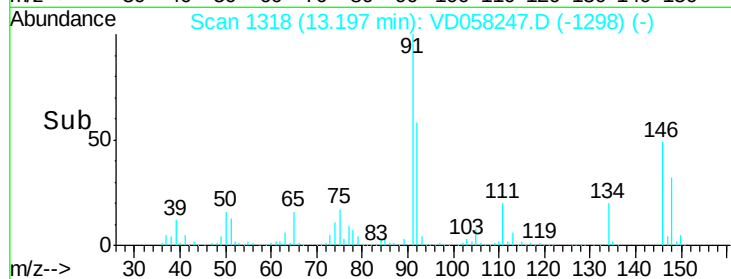
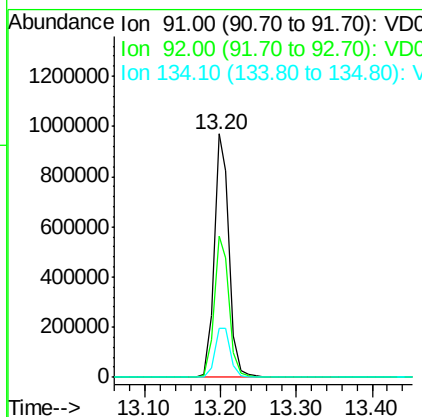
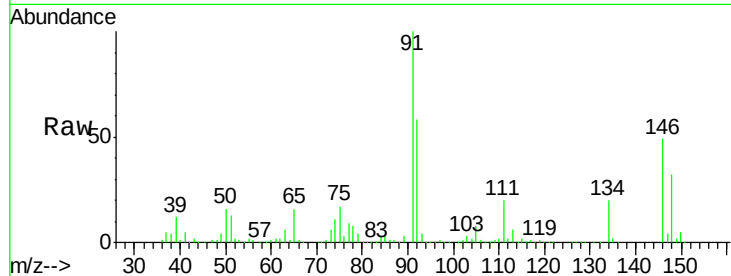




#89
n-Butylbenzene
Concen: 50.09 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

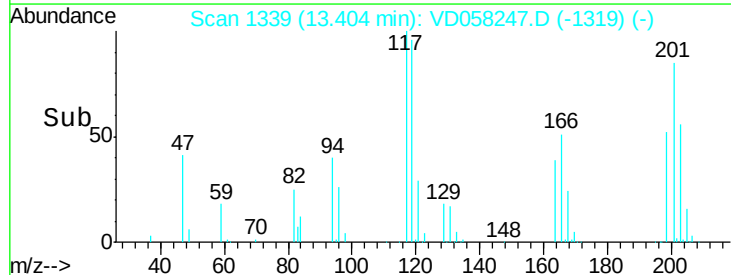
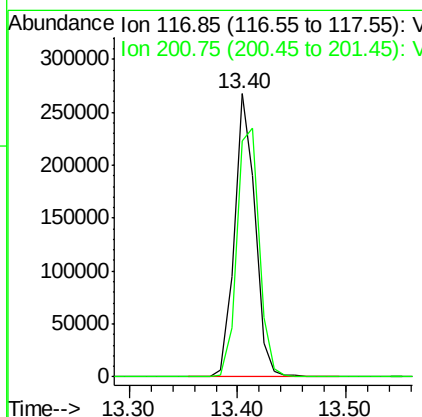
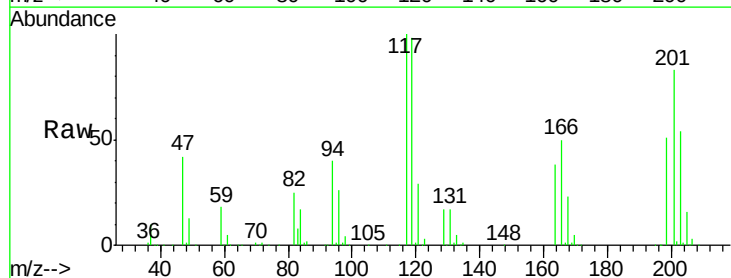
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

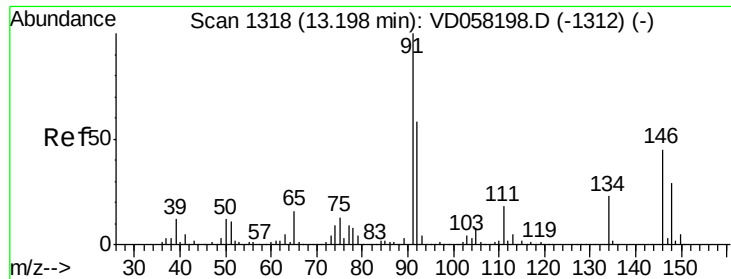
Tot Ion: 91 Resp: 1341357
Ion Ratio Lower Upper
91 100
92 58.2 29.2 87.6
134 20.0 11.3 33.8



#90
Hexachloroethane
Concen: 53.73 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058247.D
Acq: 21 Jun 2018 12:20

Tgt Ion: 117 Resp: 355357
Ion Ratio Lower Upper
117 100
201 83.2 53.8 161.4

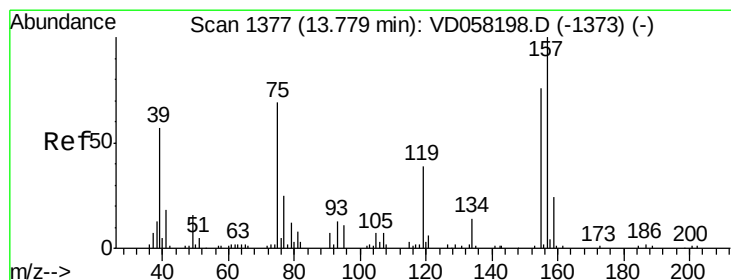
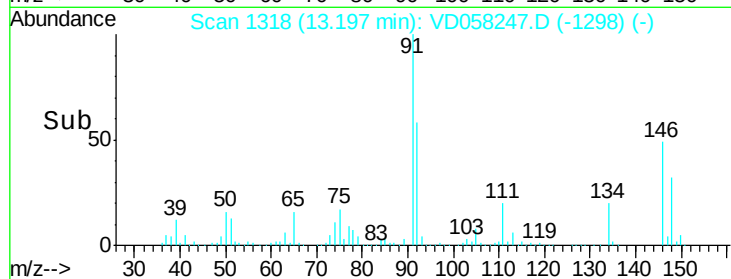
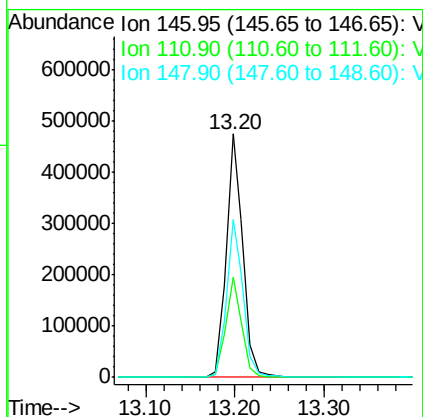
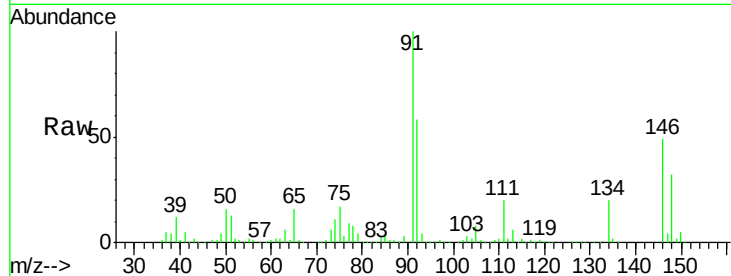




#91
 1,2-Dichlorobenzene
 Concen: 47.12 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

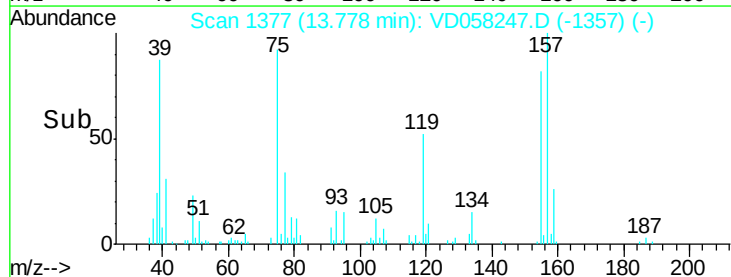
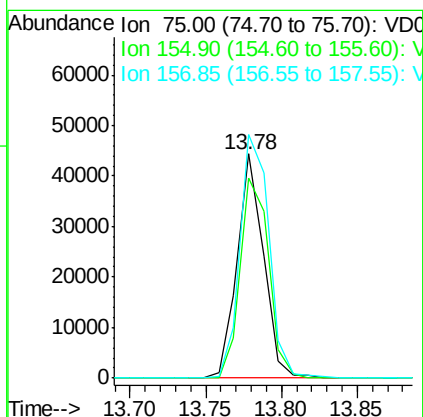
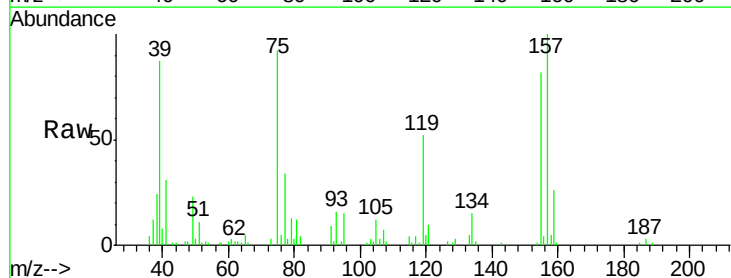
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

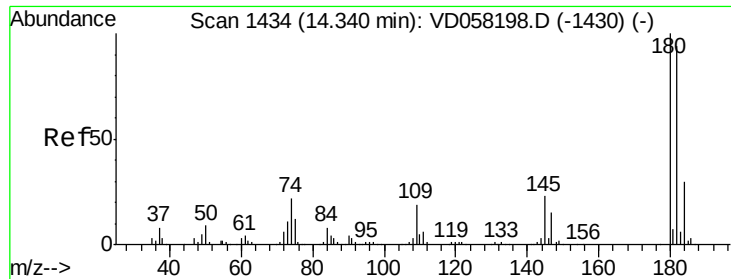
Tot Ion:146 Resp: 624319
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.6 58.7
 148 65.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.26 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion: 75 Resp: 53467
 Ion Ratio Lower Upper
 75 100
 155 89.3 54.5 163.5
 157 108.7 72.0 215.9

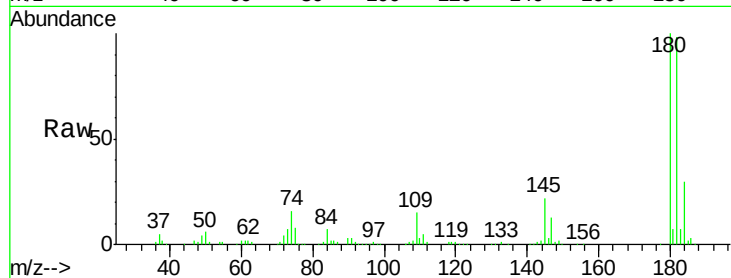




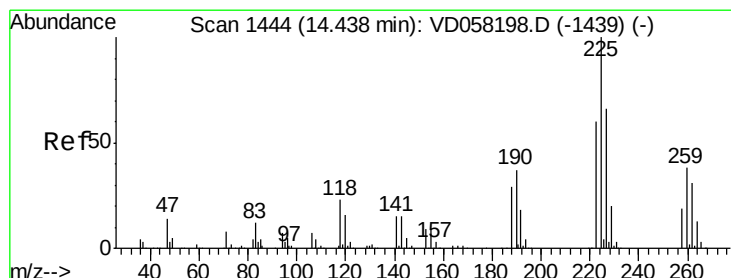
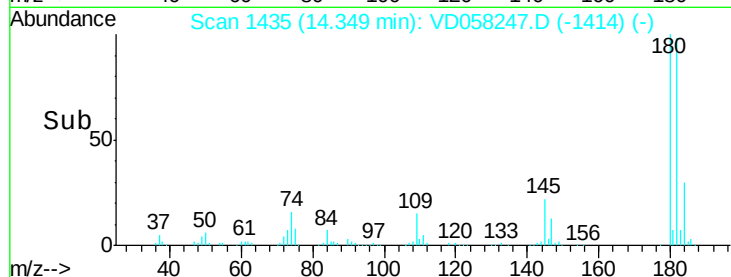
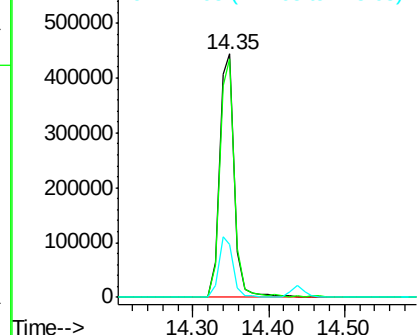
#93
 1,2,4-Trichlorobenzene
 Concen: 49.15 ug/l
 RT: 14.35 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 622786
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.1 141.3
 145 21.6 11.7 35.0

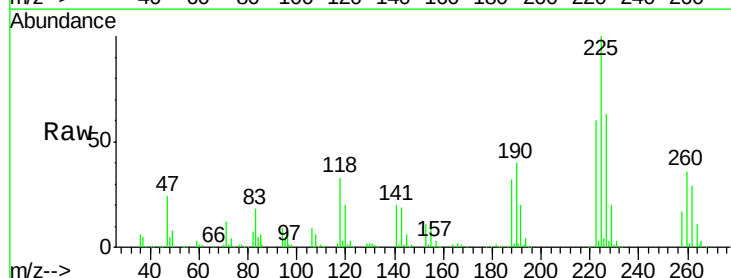


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

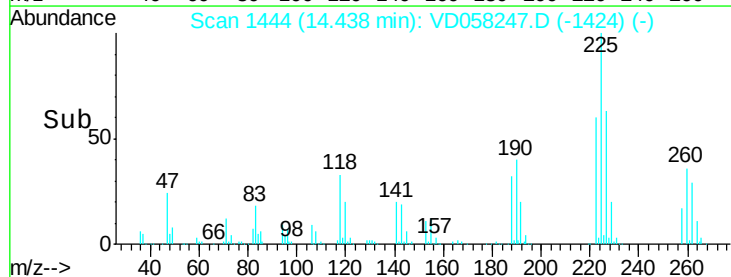
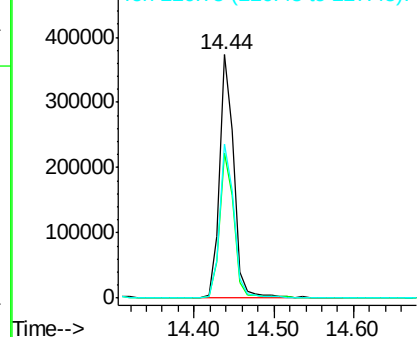


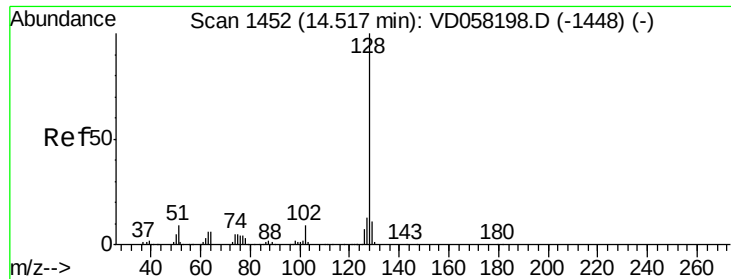
#94
 Hexachlorobutadiene
 Concen: 48.44 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058247.D
 Acq: 21 Jun 2018 12:20

Tgt Ion:225 Resp: 480135
 Ion Ratio Lower Upper
 225 100
 223 59.7 30.1 90.3
 227 63.4 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: 48.05 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

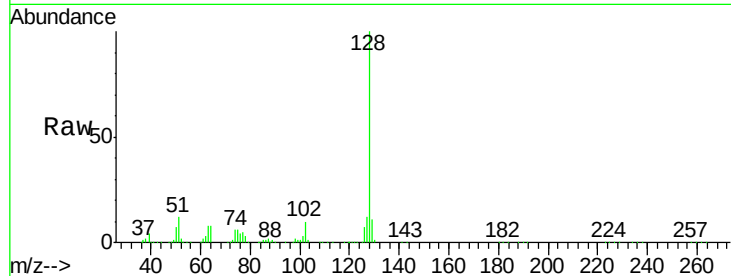
Tot Ion:128 Resp: 802082

Ion Ratio Lower Upper

128 100

127 11.8 10.0 15.0

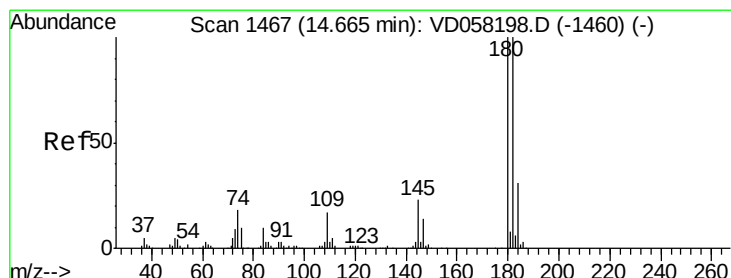
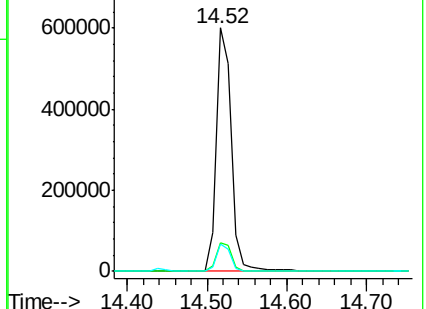
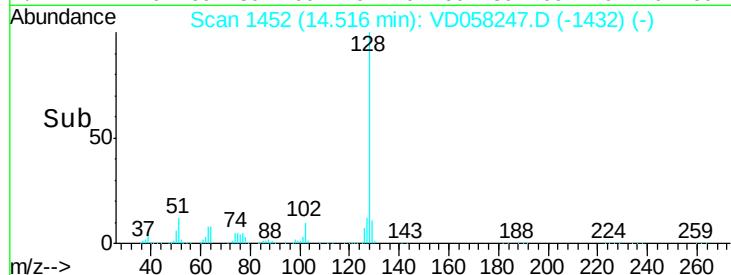
129 11.0 8.7 13.1



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: 48.37 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058247.D

Acq: 21 Jun 2018 12:20

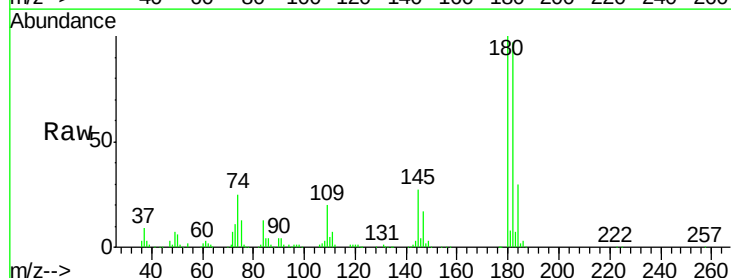
Tgt Ion:180 Resp: 536566

Ion Ratio Lower Upper

180 100

182 97.3 49.9 149.6

145 26.7 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

