

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058267.D
 Acq On : 21 Jun 2018 22:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 06:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	894890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1054530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	889789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	456470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	481825	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	5.55	113	498946	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
50) Toluene-d8	8.71	98	1183789	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
62) 4-Bromofluorobenzene	11.94	95	481947	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	450525	54.20	ug/l	96
3) Chloromethane	1.47	50	206842	53.25	ug/l	98
4) Vinyl Chloride	1.54	62	219152	46.75	ug/l	99
5) Bromomethane	1.78	94	70869	43.92	ug/l	100
6) Chloroethane	1.87	64	71860	40.55	ug/l	95
7) Trichlorofluoromethane	2.07	101	285769	44.46	ug/l	93
8) Diethyl Ether	2.33	74	68661	50.50	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.55	101	197351	48.30	ug/l	99
10) Methyl Iodide	2.68	142	304108	65.43	ug/l	99
11) Tert butyl alcohol	3.27	59	66455	222.91	ug/l	98
12) 1,1-Dichloroethene	2.54	96	143081	46.54	ug/l	98
13) Acrolein	2.46	56	45863	269.49	ug/l	95
14) Allyl chloride	2.91	41	335777	46.92	ug/l	97
15) Acrylonitrile	3.35	53	175762	222.35	ug/l	95
16) Acetone	2.61	43	276399	223.59	ug/l	94
17) Carbon Disulfide	2.74	76	434028	41.49	ug/l	100
18) Methyl Acetate	2.93	43	141199	53.56	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	468552	57.46	ug/l	96
20) Methylene Chloride	3.06	84	164605	51.11	ug/l	99
21) trans-1,2-Dichloroethene	3.37	96	146143	43.49	ug/l	80
22) Diisopropyl ether	4.06	45	1336307	47.02	ug/l	97
23) Vinyl Acetate	4.01	43	3492132	229.22	ug/l	100
24) 1,1-Dichloroethane	3.96	63	785982	51.33	ug/l	99
25) 2-Butanone	4.84	43	642915	238.63	ug/l	93
26) 2,2-Dichloropropane	4.79	77	590503	46.06	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	433539	51.63	ug/l	97
28) Bromochloromethane	5.15	49	355571	51.81	ug/l	# 91
29) Tetrahydrofuran	5.18	42	315877	220.26	ug/l	95
30) Chloroform	5.32	83	809699	50.09	ug/l	96
31) Cyclohexane	5.59	56	566324	51.05	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	672884	50.38	ug/l	97
36) 1,1-Dichloropropene	5.75	75	563006	53.97	ug/l	95
37) Ethyl Acetate	4.93	43	323215	54.38	ug/l	96
38) Carbon Tetrachloride	5.73	117	555531	53.59	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058267.D
 Acq On : 21 Jun 2018 22:12
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Jun 22 06:18:02 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	7.28	83	541134	53.26	ug/l	99
40) Benzene	6.01	78	1300757	52.34	ug/l	99
41) Methacrylonitrile	5.13	41	160078	55.77	ug/l	97
42) 1,2-Dichloroethane	6.13	62	563559	56.24	ug/l	100
43) Isopropyl Acetate	7.62	43	405765	51.21	ug/l	96
44) Trichloroethene	6.98	130	419281	56.19	ug/l	98
45) 1,2-Dichloropropane	7.35	63	376889	56.32	ug/l	98
46) Dibromomethane	7.47	93	255282	55.88	ug/l	96
47) Bromodichloromethane	7.74	83	567330	54.45	ug/l	98
48) Methyl methacrylate	7.51	41	256564	53.27	ug/l	96
49) 1,4-Dioxane	7.50	88	52699	1212.18	ug/l #	79
51) 4-Methyl-2-Pentanone	8.60	43	1332697	257.84	ug/l	98
52) Toluene	8.81	92	762740	53.90	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	472809	52.20	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	560464	52.78	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	266487	53.23	ug/l	98
56) Ethyl methacrylate	9.32	69	316473	52.86	ug/l	99
57) 1,3-Dichloropropane	9.67	76	475115	56.34	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.20	63	834186	281.44	ug/l	96
59) 2-Hexanone	9.79	43	979294	262.20	ug/l	98
60) Dibromochloromethane	9.96	129	361792	53.25	ug/l	99
61) 1,2-Dibromoethane	10.10	107	311427	56.84	ug/l	99
64) Tetrachloroethene	9.52	164	419894	56.08	ug/l	96
65) Chlorobenzene	10.73	112	849449	51.04	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	329174	51.25	ug/l	96
67) Ethyl Benzene	10.86	91	1465800	49.88	ug/l	100
68) m/p-Xylenes	11.01	106	990683	101.10	ug/l	99
69) o-Xylene	11.41	106	480943	51.39	ug/l	99
70) Styrene	11.44	104	819624	51.32	ug/l	99
71) Bromoform	11.60	173	257707	50.30	ug/l	96
73) Isopropylbenzene	11.78	105	1396787	51.16	ug/l	98
74) N-amyl acetate	11.65	43	536268	50.80	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	320588	50.46	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	329517	49.44	ug/l	99
77) Bromobenzene	12.05	156	438519	53.63	ug/l	98
78) n-propylbenzene	12.15	91	1818515	51.57	ug/l	100
79) 2-Chlorotoluene	12.21	91	1042360	51.66	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1095123	51.42	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	80500	49.52	ug/l	88
82) 4-Chlorotoluene	12.33	91	1115334	57.54	ug/l	99
83) tert-Butylbenzene	12.58	119	1221327	49.88	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1175485	50.78	ug/l	100
85) sec-Butylbenzene	12.76	105	1456719	50.76	ug/l	100
86) p-Isopropyltoluene	12.88	119	1213031	52.16	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	739764	52.06	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	704851	50.79	ug/l	100
89) n-Butylbenzene	13.20	91	1179600	48.26	ug/l	99
90) Hexachloroethane	13.40	117	290413	48.11	ug/l	92
91) 1,2-Dichlorobenzene	13.20	146	586748	48.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	54504	53.90	ug/l	95

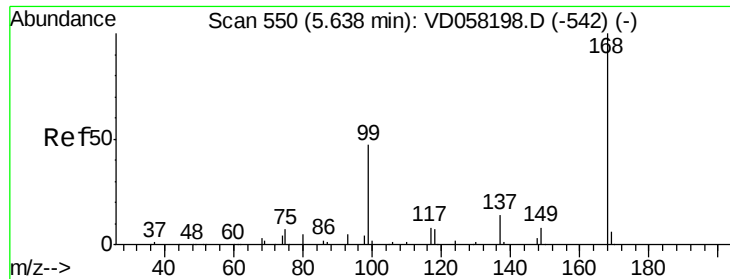
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058267.D
Acq On : 21 Jun 2018 22:12
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 22 06:18:02 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)
93) 1,2,4-Trichlorobenzene	14.34	180	573769	49.61	ug/l	97
94) Hexachlorobutadiene	14.44	225	456596	50.47	ug/l	98
95) Naphthalene	14.52	128	799558	52.48	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	509474	50.32	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

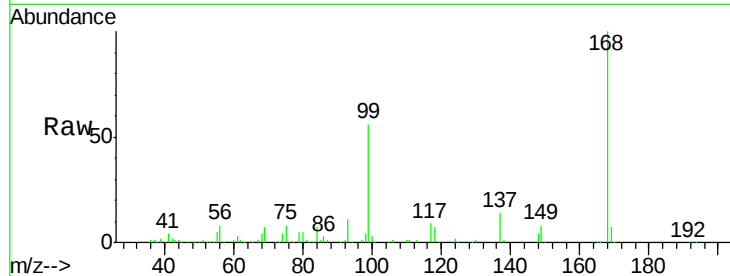
VSTDCCC050EC

Tot Ion:168 Resp: 894890

Ion Ratio Lower Upper

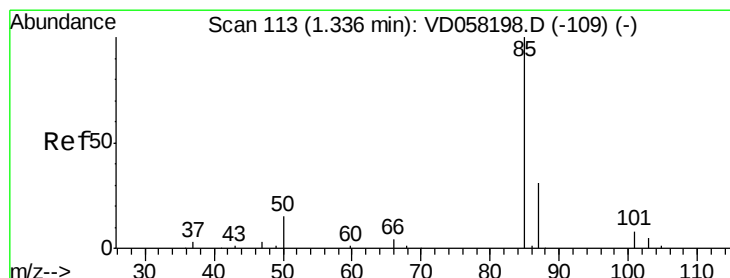
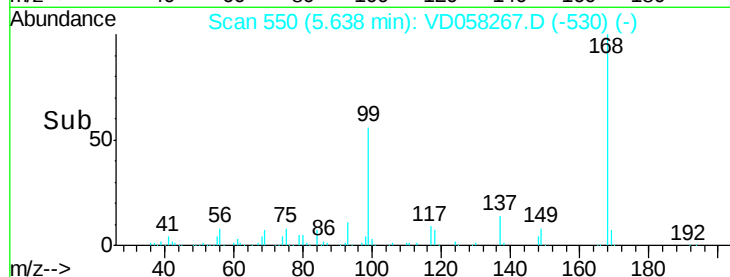
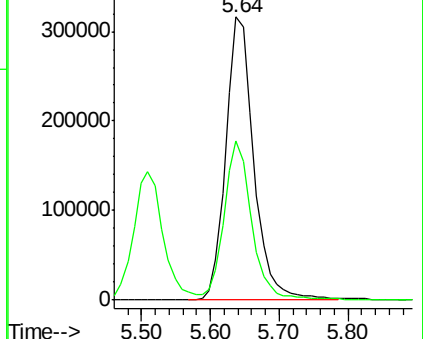
168 100

99 56.1 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: 54.20 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058267.D

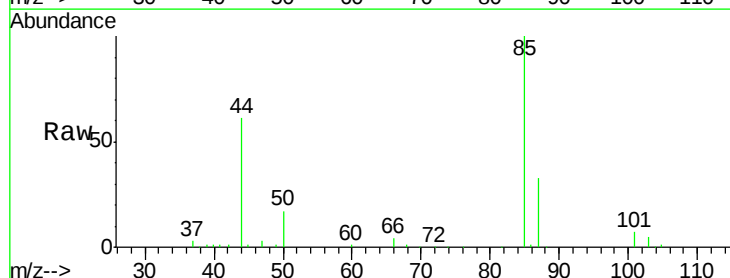
Acq: 21 Jun 2018 22:12

Tgt Ion: 85 Resp: 450525

Ion Ratio Lower Upper

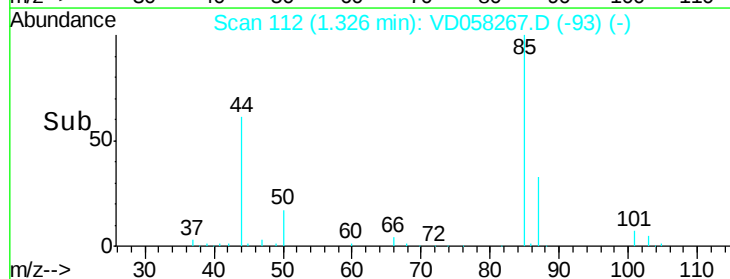
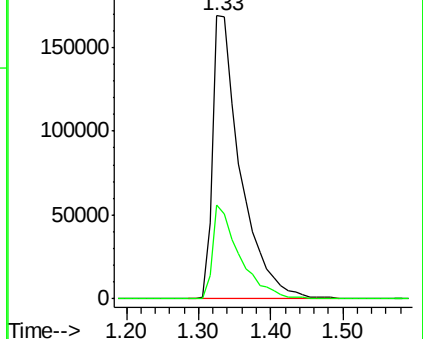
85 100

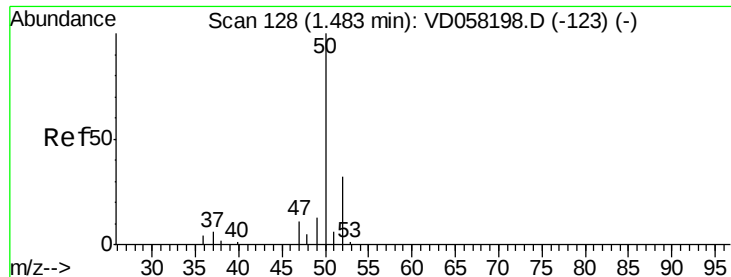
87 33.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.25 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

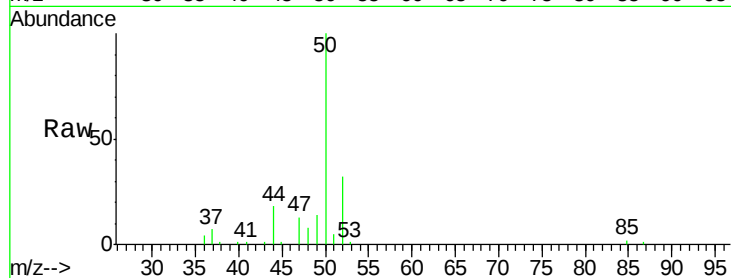
VSTDCCC050EC

Tot Ion: 50 Resp: 206842

Ion Ratio Lower Upper

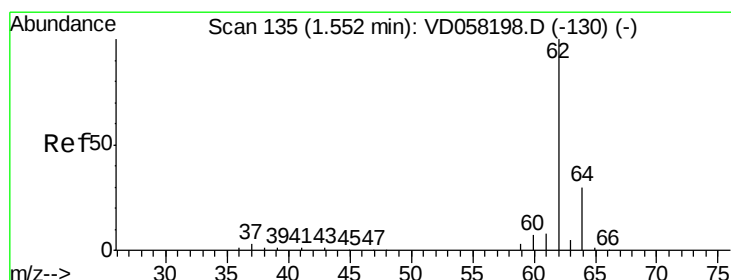
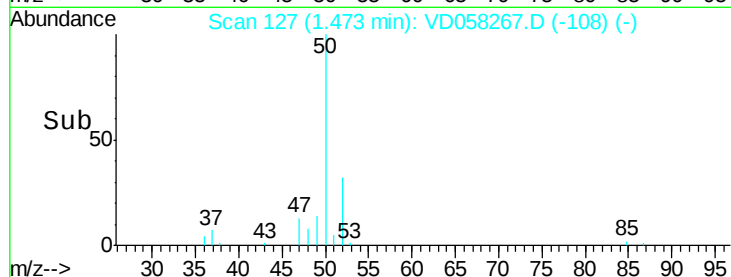
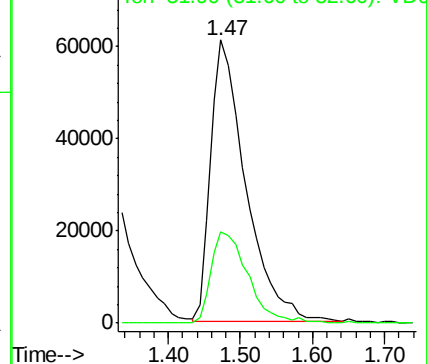
50 100

52 32.3 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: 46.75 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058267.D

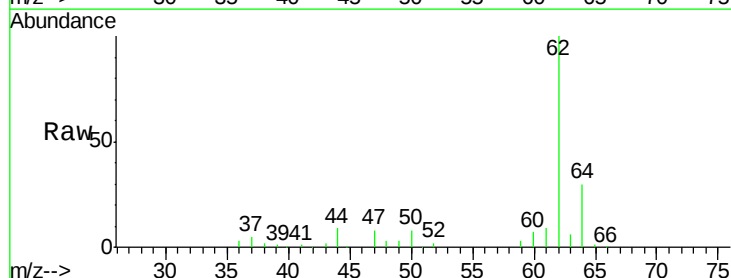
Acq: 21 Jun 2018 22:12

Tgt Ion: 62 Resp: 219152

Ion Ratio Lower Upper

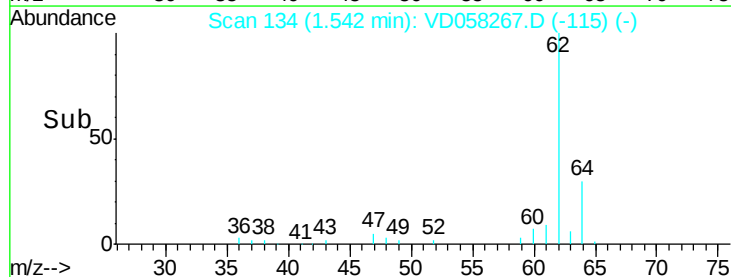
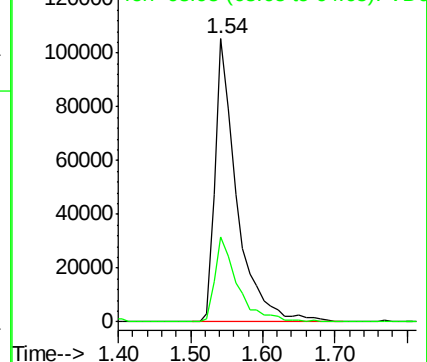
62 100

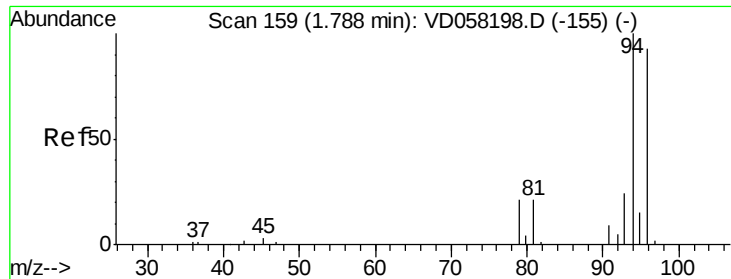
64 30.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.92 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

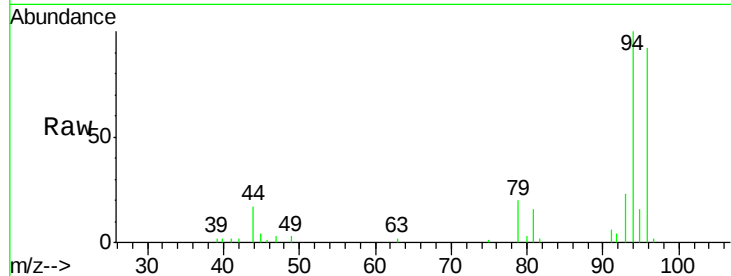
VSTDCCC050EC

Tot Ion: 94 Resp: 70869

Ion Ratio Lower Upper

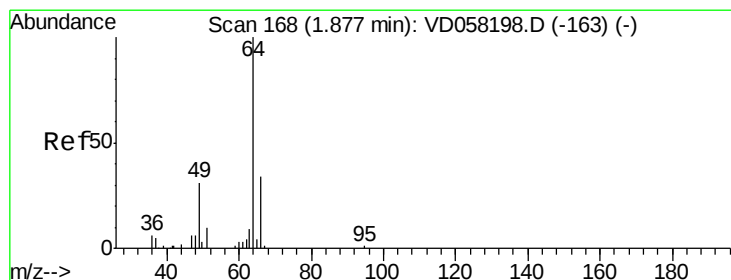
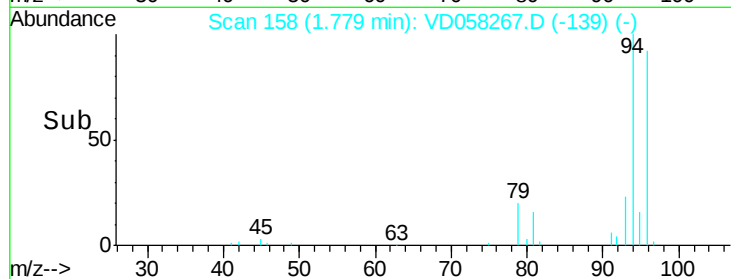
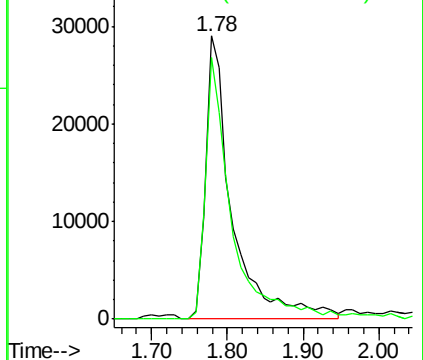
94 100

96 92.5 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: 40.55 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058267.D

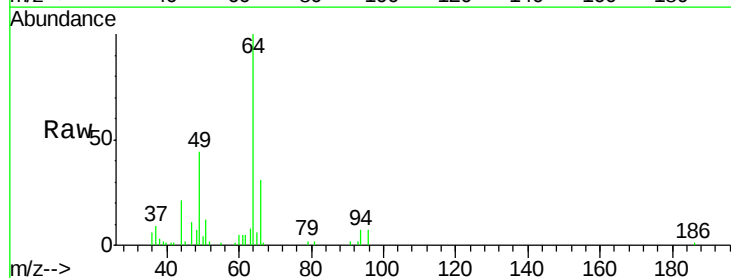
Acq: 21 Jun 2018 22:12

Tgt Ion: 64 Resp: 71860

Ion Ratio Lower Upper

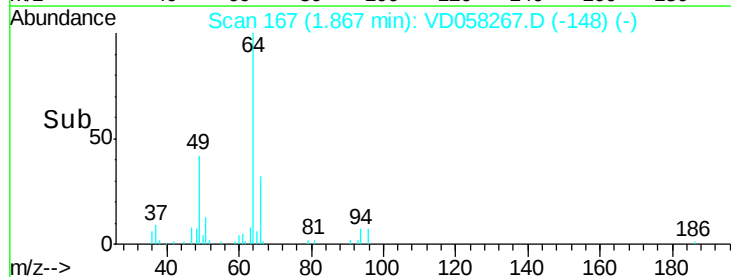
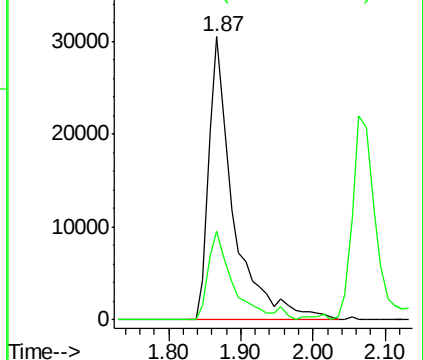
64 100

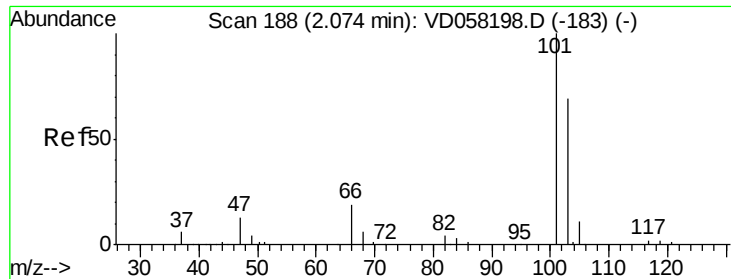
66 31.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



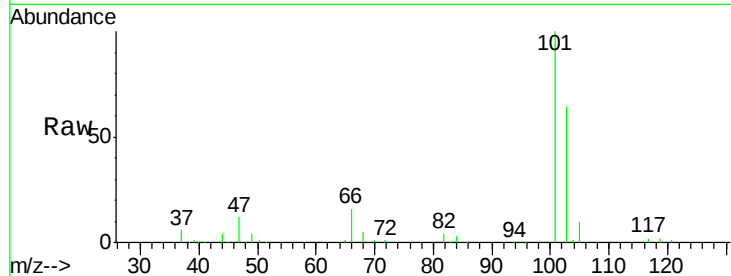


#7

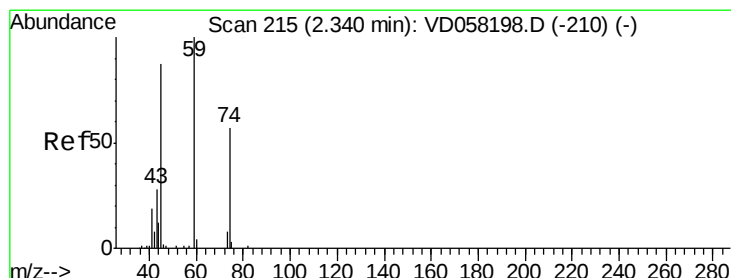
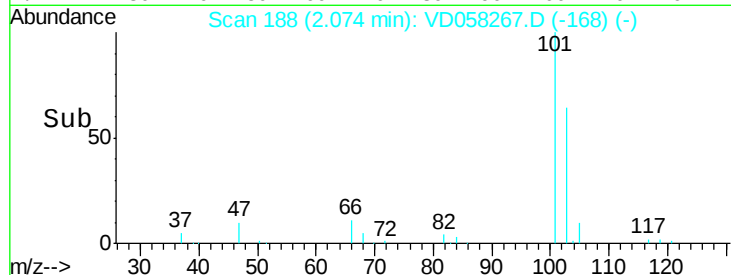
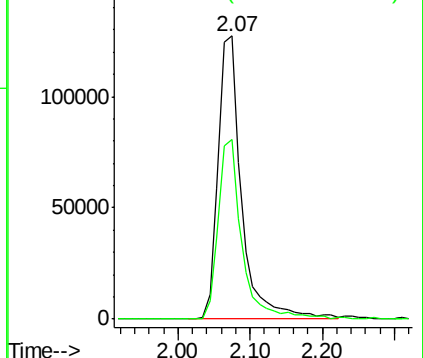
Trichlorofluoromethane
Concen: 44.46 ug/l
RT: 2.07 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 285769
Ion Ratio Lower Upper
101 100
103 63.5 55.1 82.7



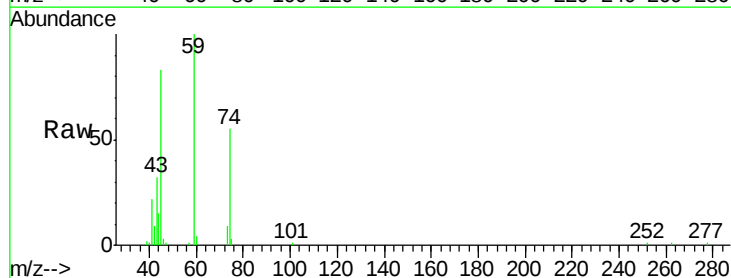
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



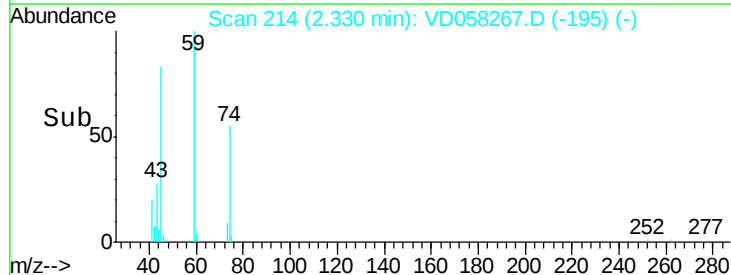
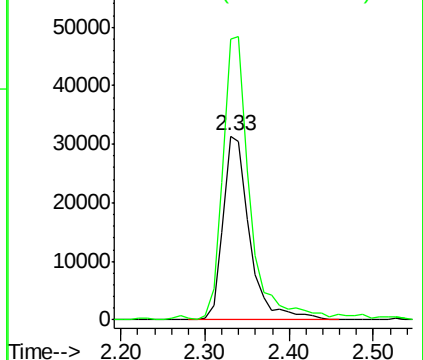
#8

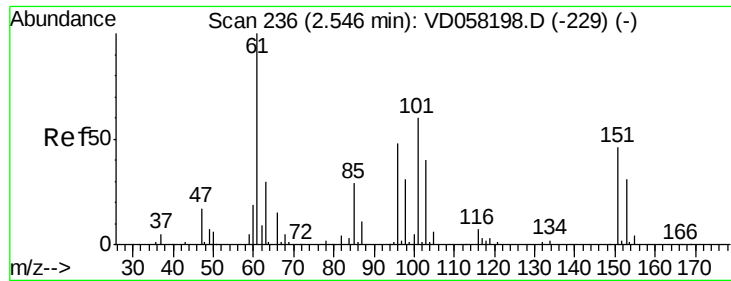
Diethyl Ether
Concen: 50.50 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 74 Resp: 68661
Ion Ratio Lower Upper
74 100
45 152.5 77.5 232.6



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

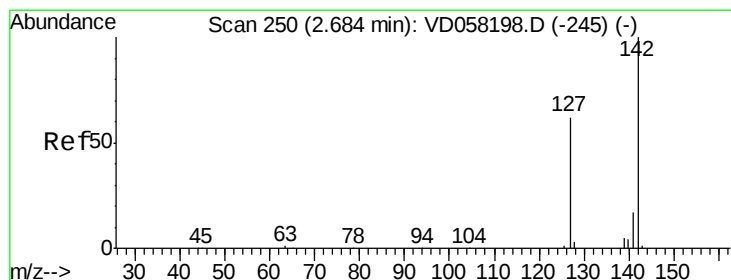
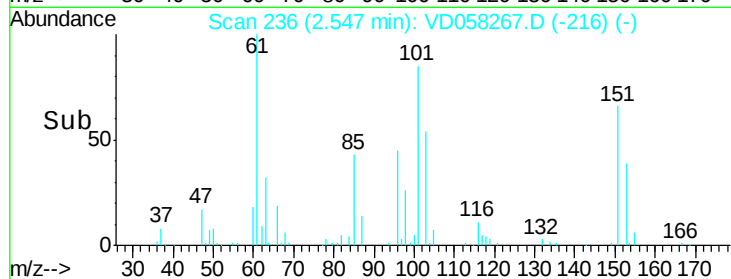
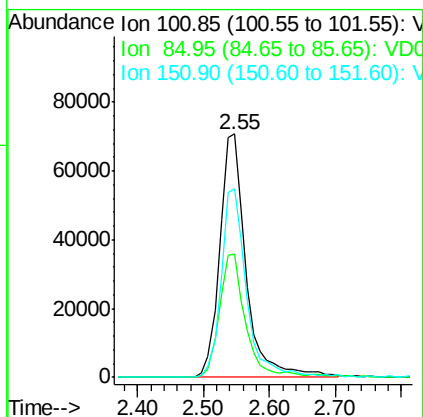
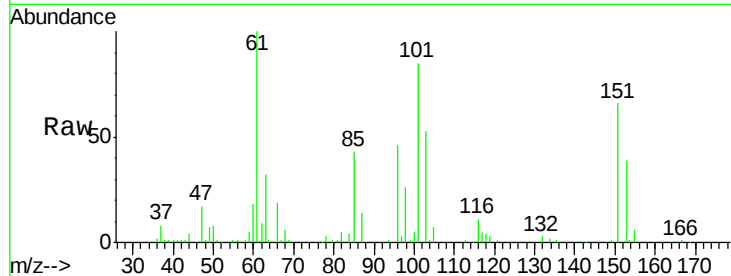




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.30 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

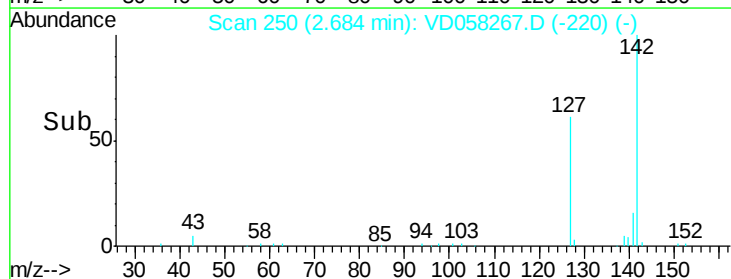
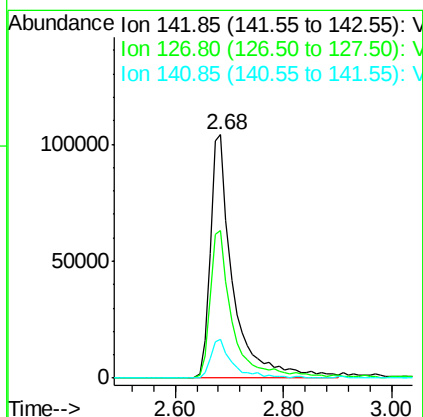
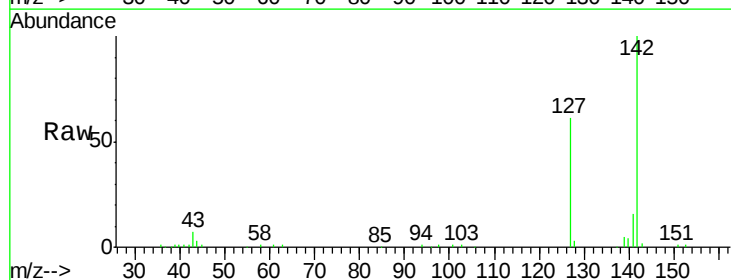
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 197351
 Ion Ratio Lower Upper
 101 100
 85 50.6 39.0 58.4
 151 77.5 61.8 92.8



#10
 Methyl Iodide
 Concen: 65.43 ug/l
 RT: 2.68 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:142 Resp: 304108
 Ion Ratio Lower Upper
 142 100
 127 60.9 49.4 74.0
 141 15.8 13.5 20.3



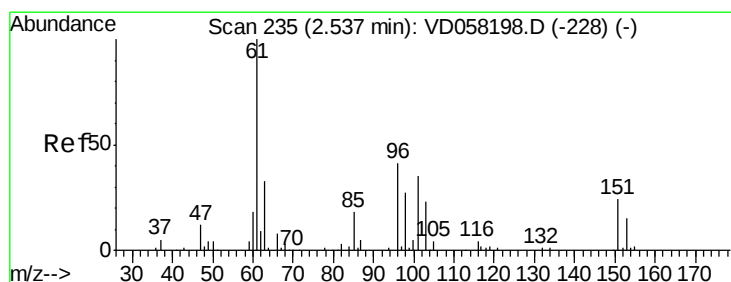
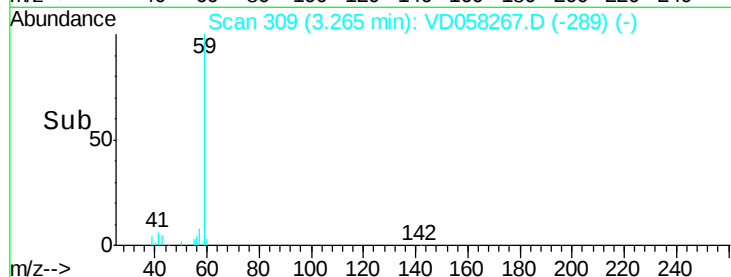
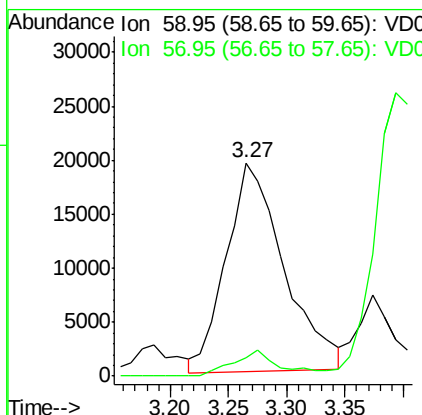
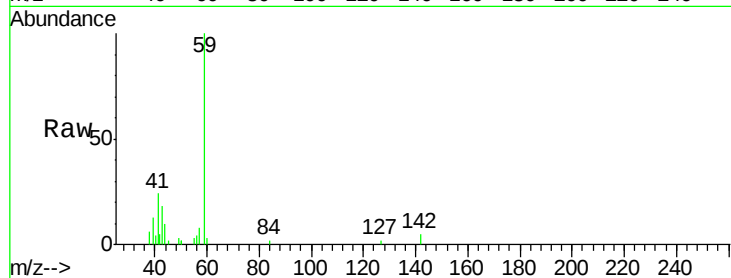


#11

Tert butyl alcohol
Concen: 222.91 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

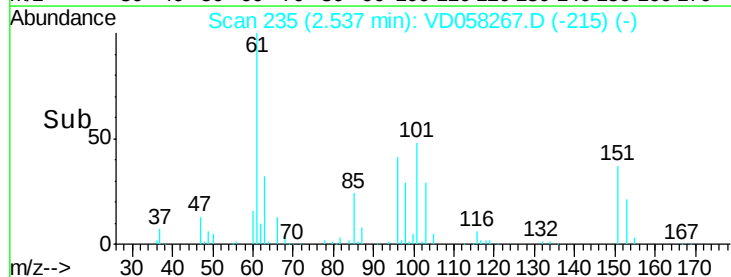
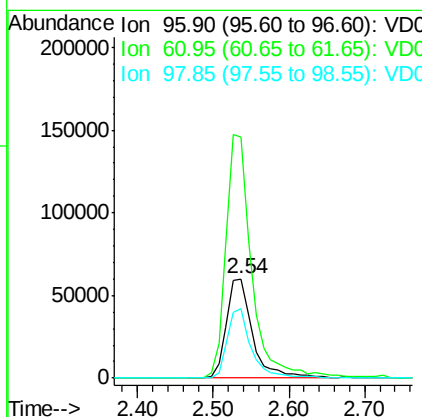
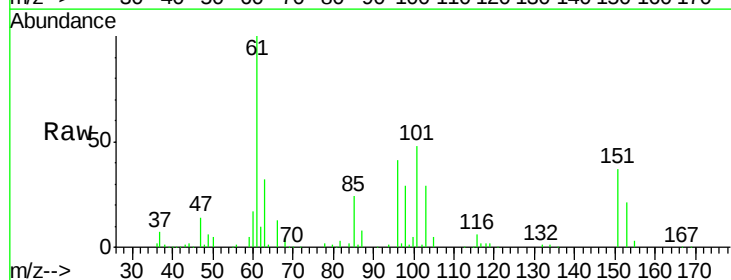
Tot Ion: 59 Resp: 66455
Ion Ratio Lower Upper
59 100
57 8.4 6.2 9.4

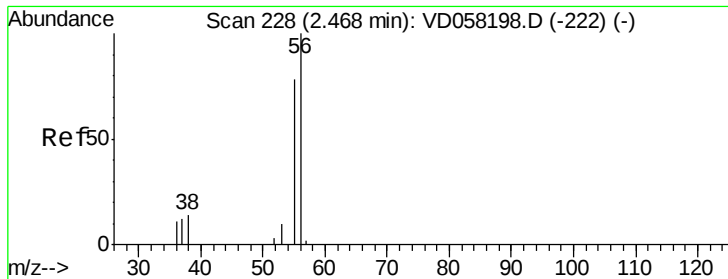


#12

1,1-Dichloroethene
Concen: 46.54 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 96 Resp: 143081
Ion Ratio Lower Upper
96 100
61 242.7 193.9 290.9
98 70.5 51.7 77.5





#13

Acrolein

Concen: 269.49 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

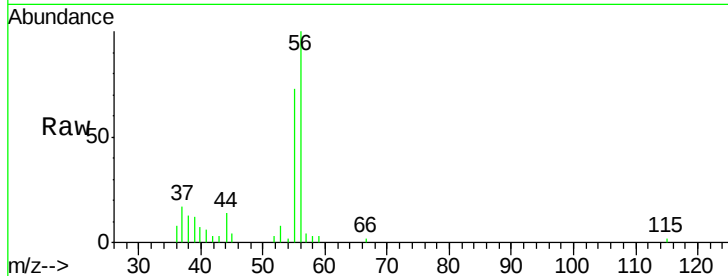
VSTDCCC050EC

Tot Ion: 56 Resp: 45863

Ion Ratio Lower Upper

56 100

55 73.3 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.46

20000

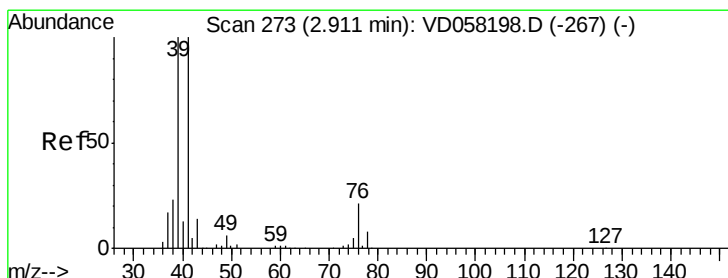
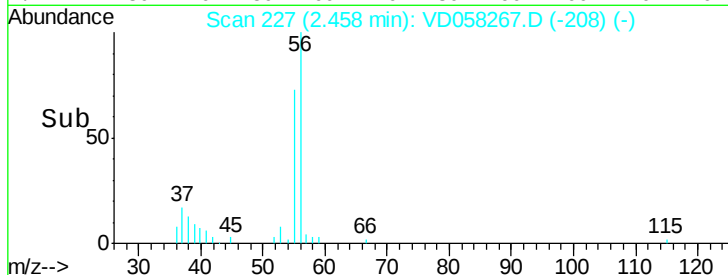
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 46.92 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

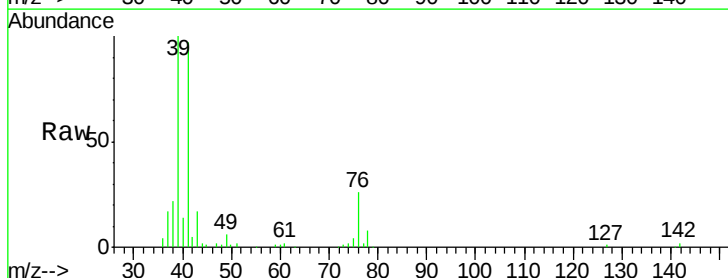
Tgt Ion: 41 Resp: 335777

Ion Ratio Lower Upper

41 100

39 102.6 80.1 120.1

76 26.4 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

250000

200000

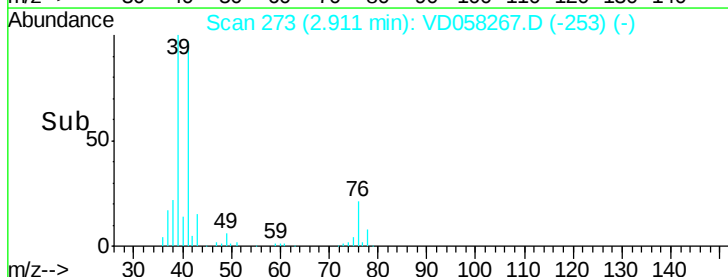
150000

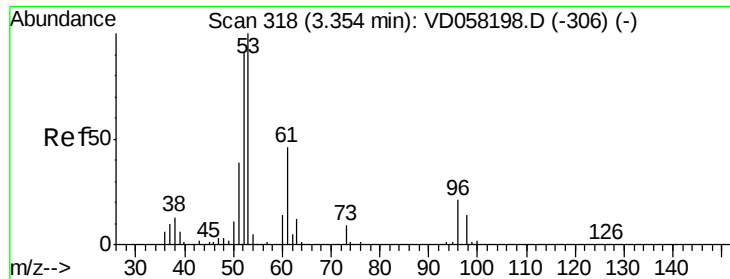
100000

50000

0

Time-->

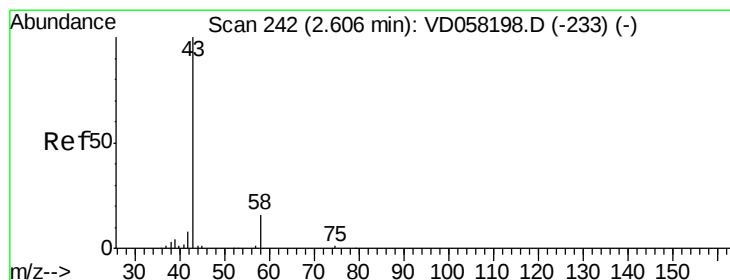
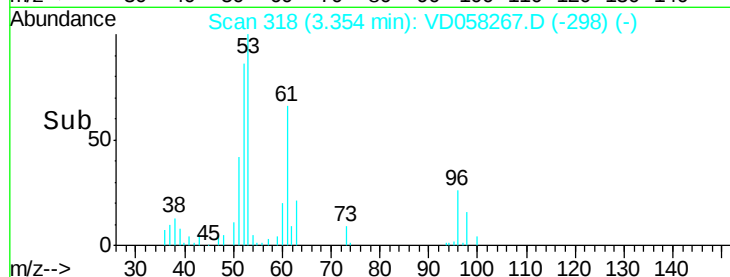
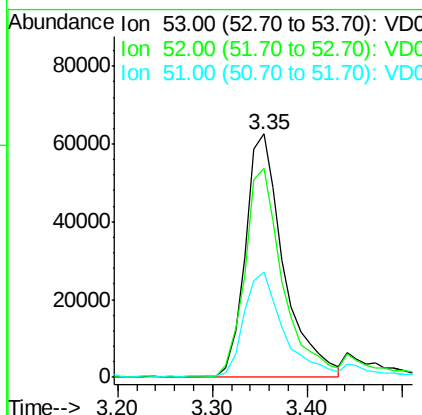
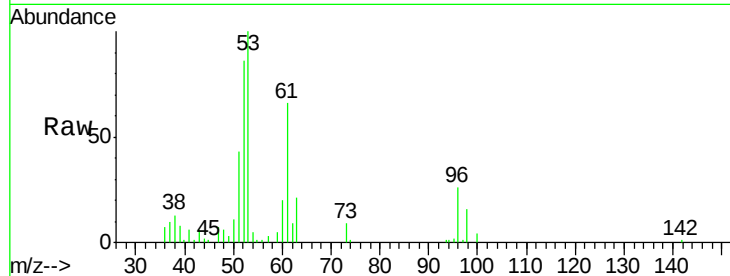




#15
 Acrylonitrile
 Concen: 222.35 ug/l
 RT: 3.35 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

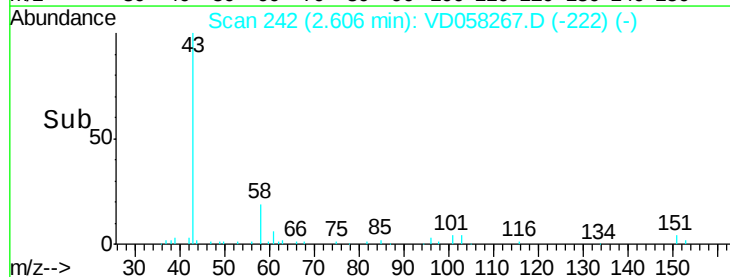
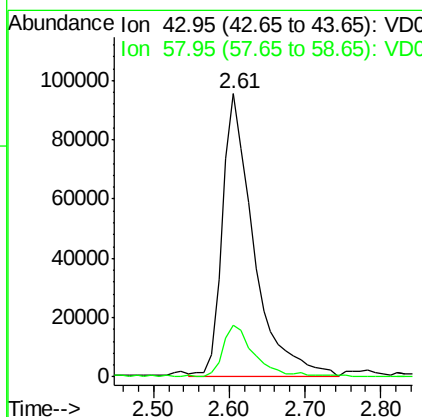
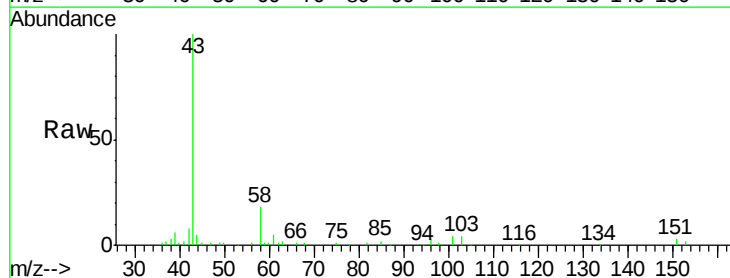
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

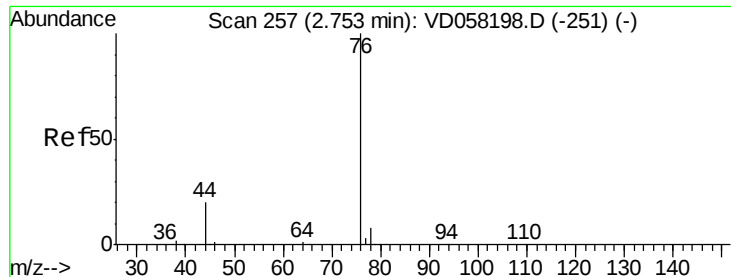
Tot Ion: 53 Resp: 175762
 Ion Ratio Lower Upper
 53 100
 52 85.9 72.6 108.8
 51 43.1 32.2 48.4



#16
 Acetone
 Concen: 223.59 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 276399
 Ion Ratio Lower Upper
 43 100
 58 18.4 12.7 19.1

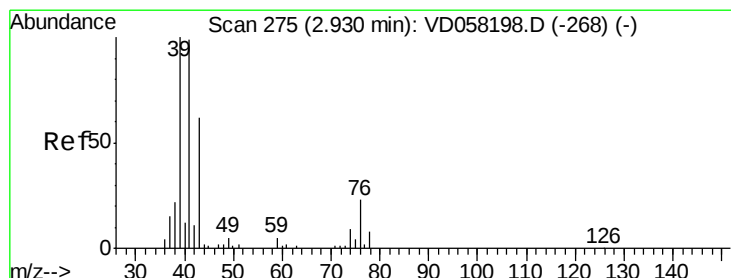
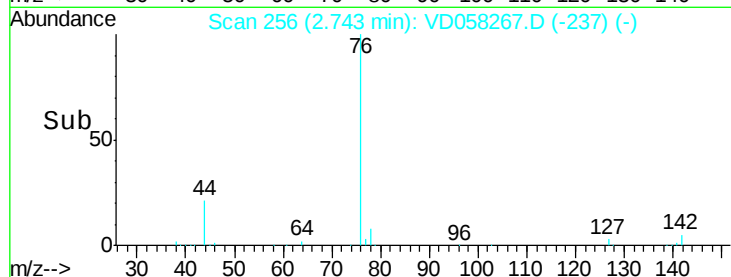
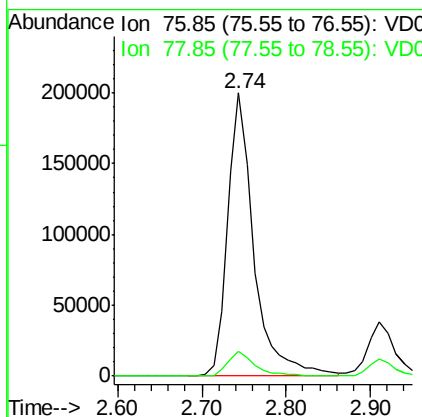
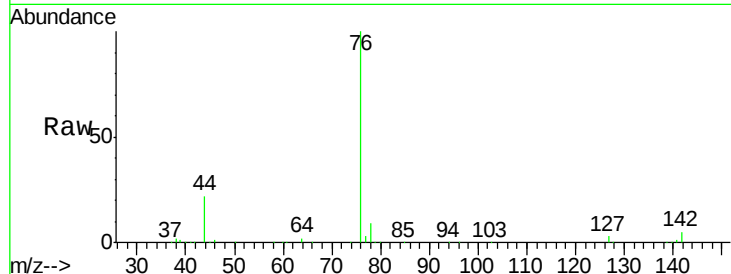




#17
Carbon Disulfide
Concen: 41.49 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

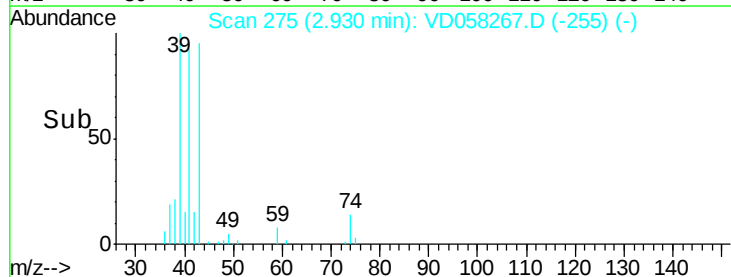
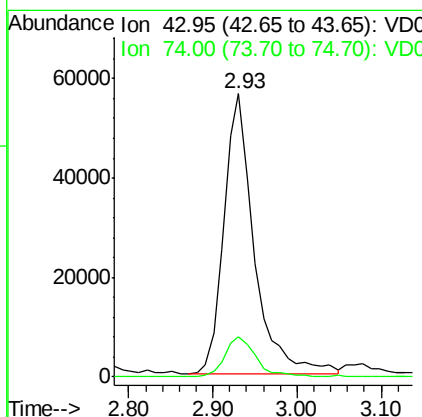
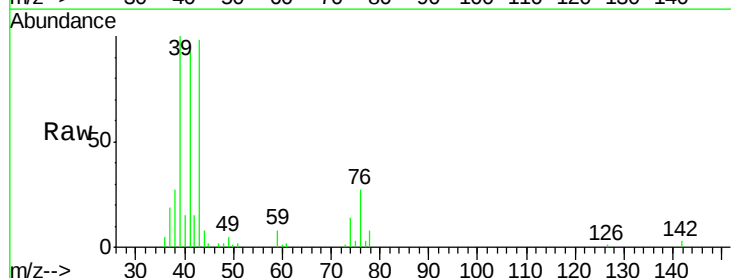
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

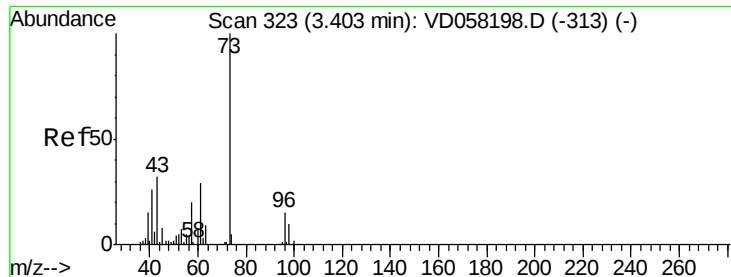
Tot Ion: 76 Resp: 434028
Ion Ratio Lower Upper
76 100
78 8.6 6.8 10.2



#18
Methyl Acetate
Concen: 53.56 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 141199
Ion Ratio Lower Upper
43 100
74 14.2 11.7 17.5



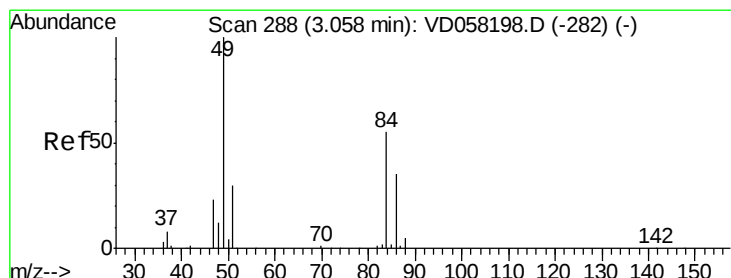
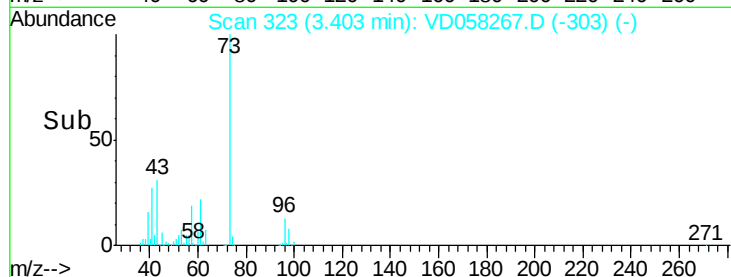
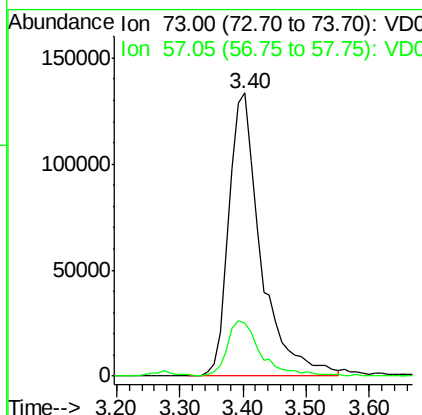
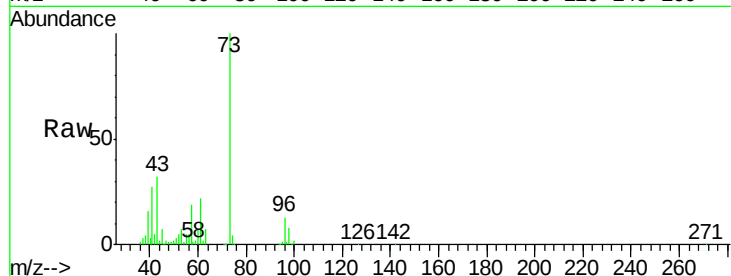


#19

Methyl tert-butyl Ether
 Concen: 57.46 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

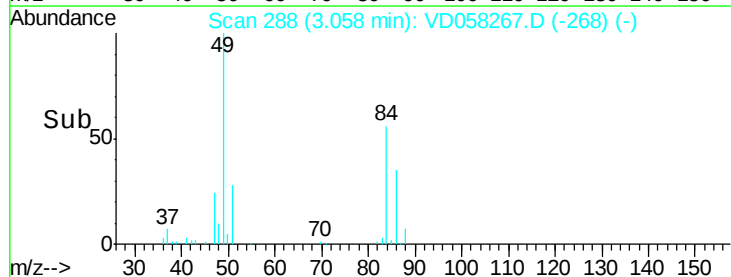
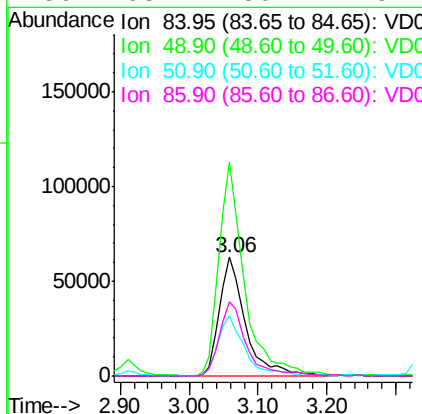
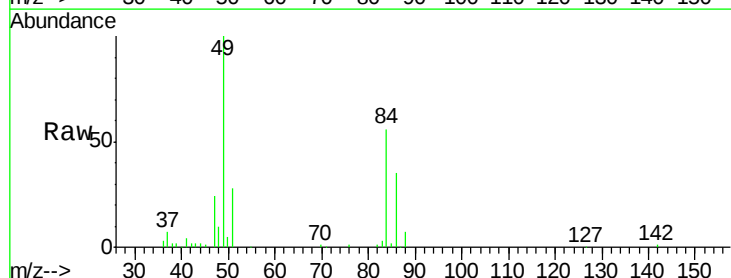
Tot Ion: 73 Resp: 468552
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.6 24.8

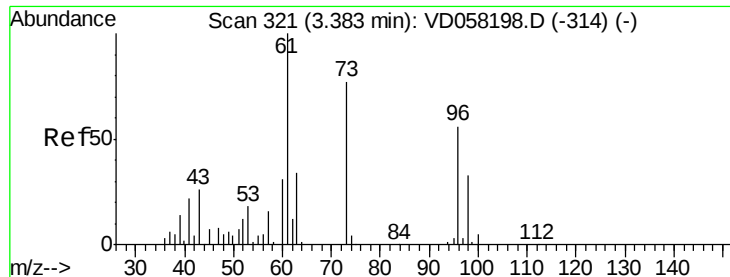


#20

Methylene Chloride
 Concen: 51.11 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 84 Resp: 164605
 Ion Ratio Lower Upper
 84 100
 49 180.0 145.0 217.6
 51 51.2 42.9 64.3
 86 63.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 43.49 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

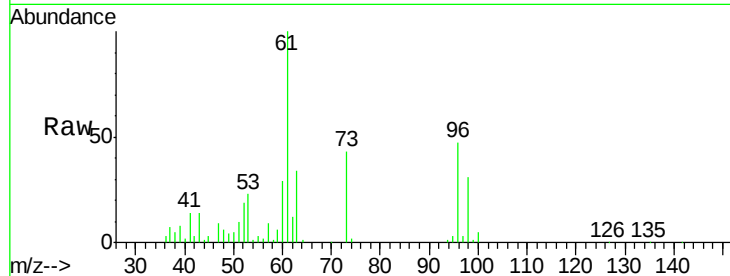
Tot Ion: 96 Resp: 146143

Ion Ratio Lower Upper

96 100

61 213.9 143.8 215.6

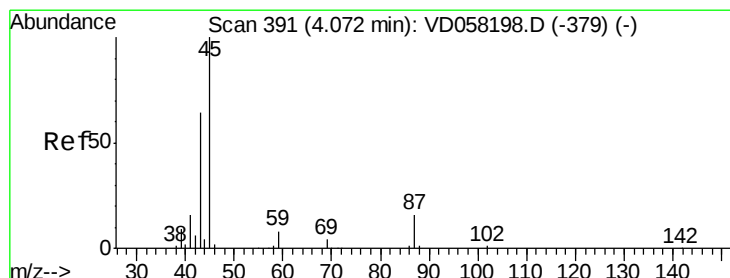
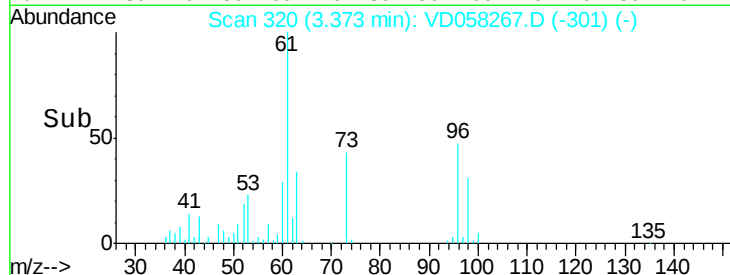
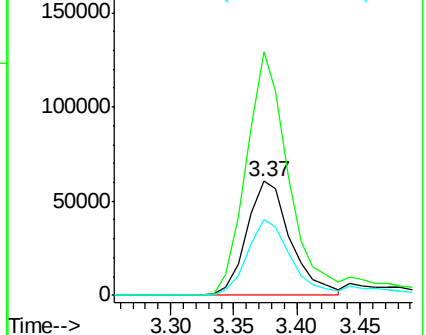
98 67.1 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 47.02 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion: 45 Resp: 1336307

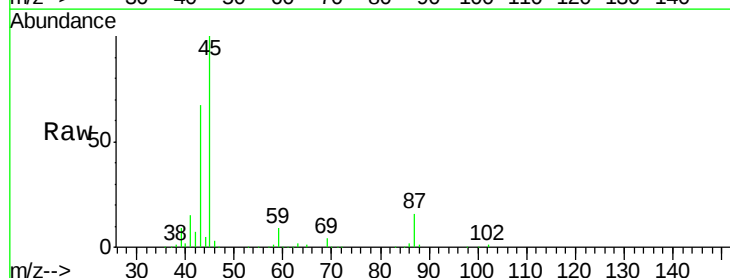
Ion Ratio Lower Upper

45 100

43 67.4 51.4 77.0

87 16.3 13.0 19.4

59 9.2 6.9 10.3

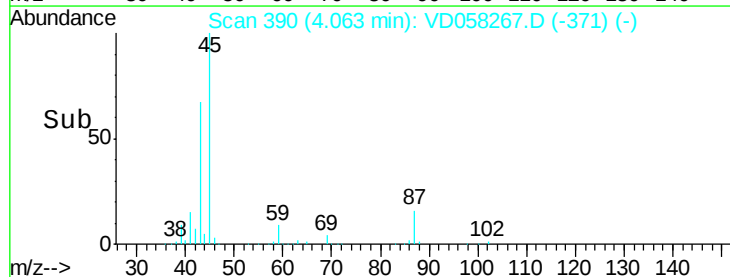
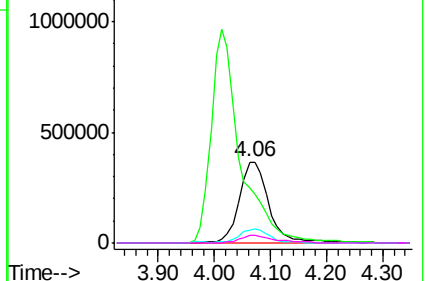


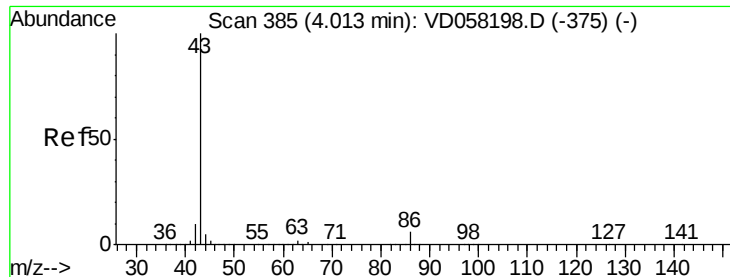
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 229.22 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleID :

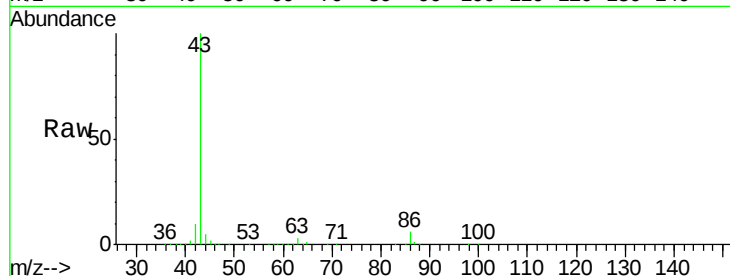
VSTDCCC050EC

Tot Ion: 43 Resp: 3492132

Ion Ratio Lower Upper

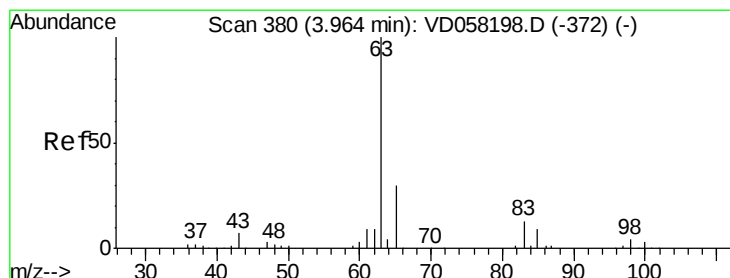
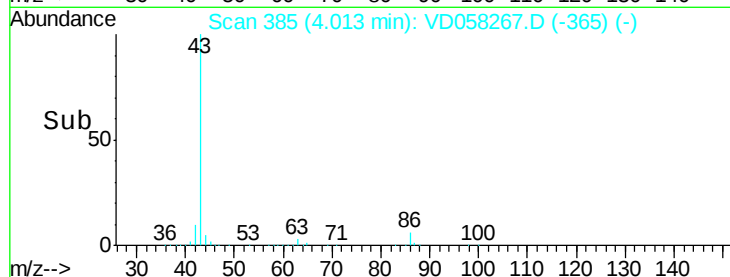
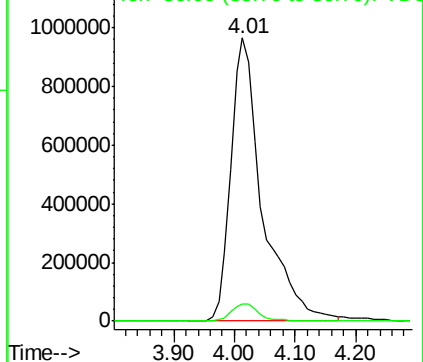
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.33 ug/l

RT: 3.96 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

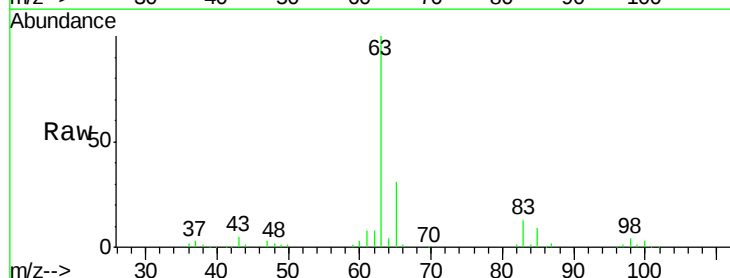
Tgt Ion: 63 Resp: 785982

Ion Ratio Lower Upper

63 100

98 4.0 1.9 5.7

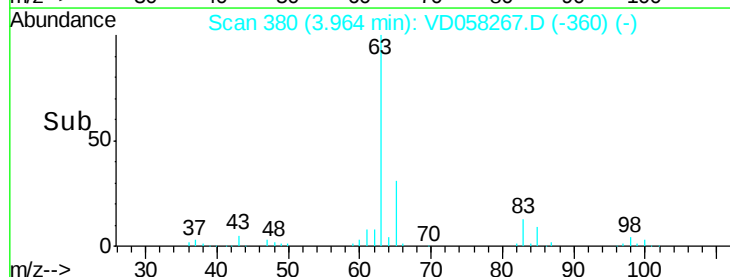
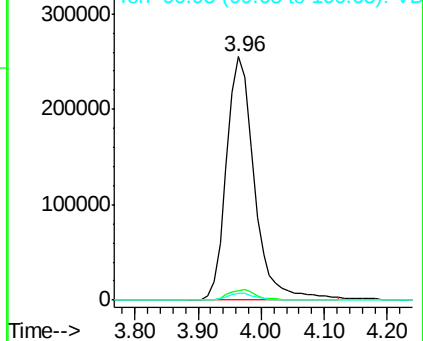
100 2.9 1.3 3.9

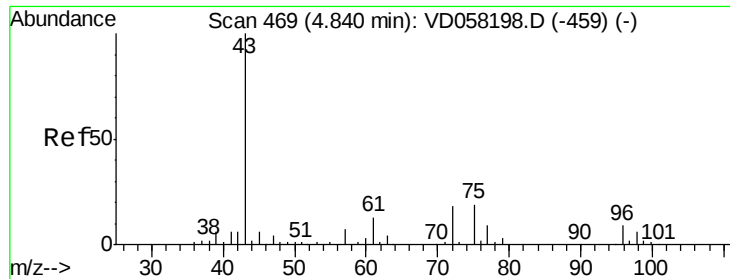


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 238.63 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

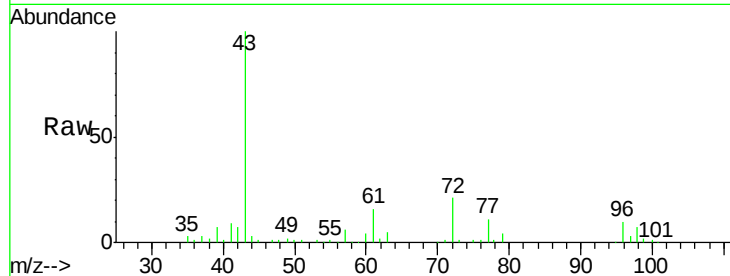
VSTDCCC050EC

Tot Ion: 43 Resp: 642915

Ion Ratio Lower Upper

43 100

72 20.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

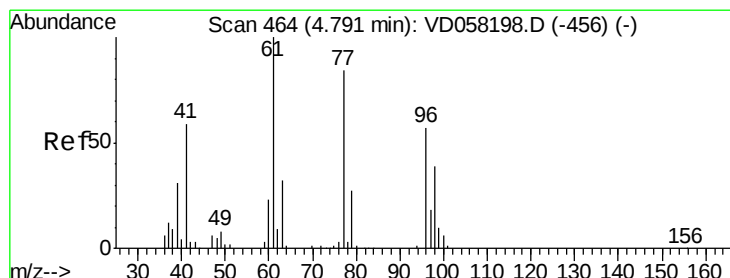
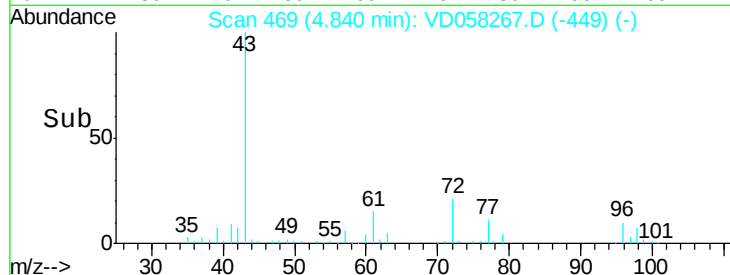
100000

50000

0

4.70 4.80 4.90

Time-->



#26

2,2-Dichloropropane

Concen: 46.06 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058267.D

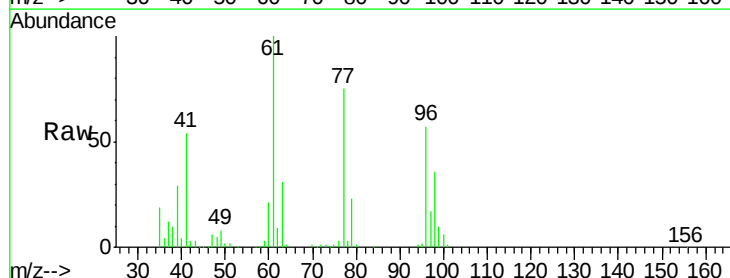
Acq: 21 Jun 2018 22:12

Tgt Ion: 77 Resp: 590503

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

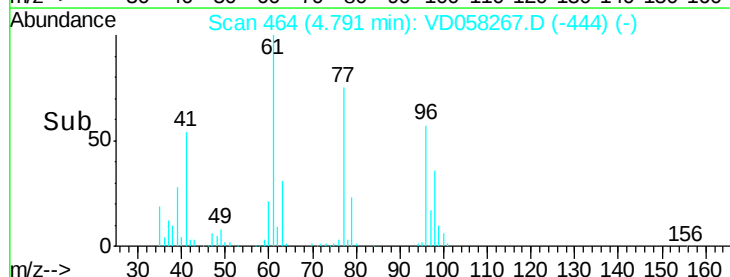
100000

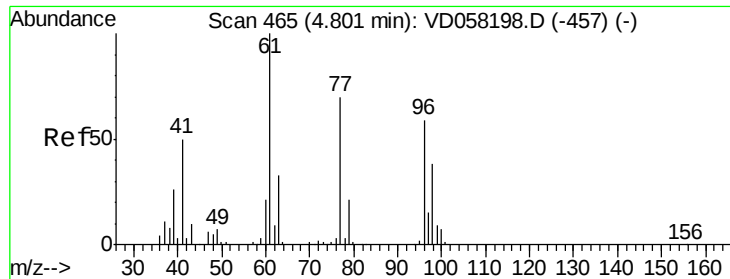
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 51.63 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

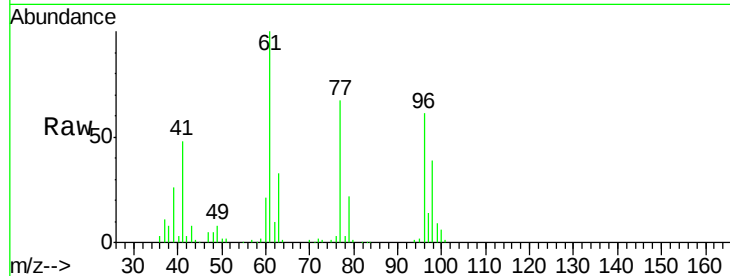
Tot Ion: 96 Resp: 433539

Ion Ratio Lower Upper

96 100

61 164.3 0.0 338.6

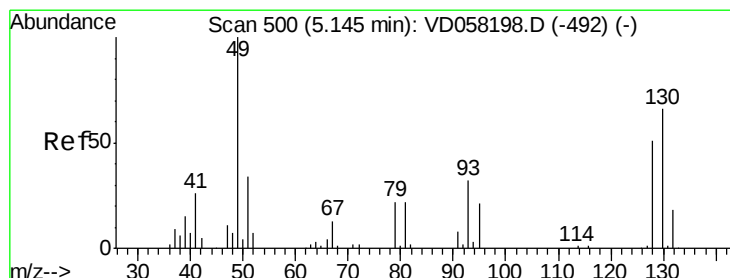
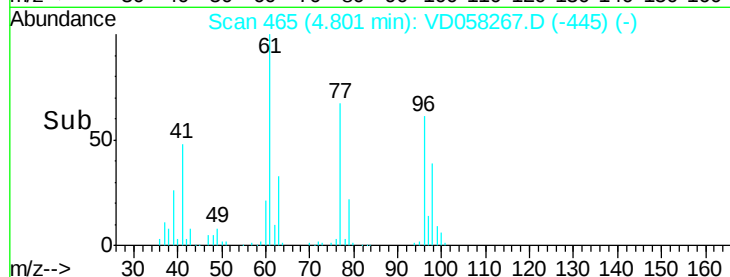
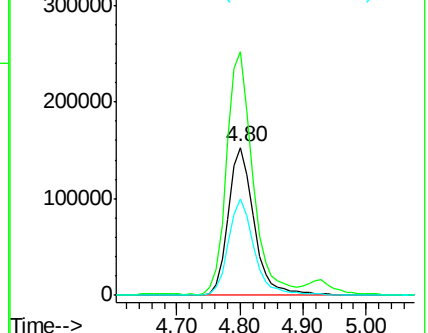
98 64.7 0.0 130.2



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: 51.81 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

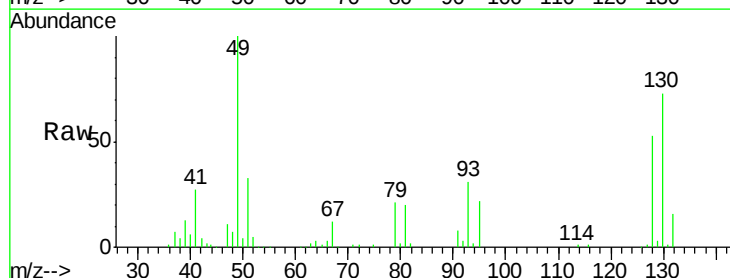
Tgt Ion: 49 Resp: 355571

Ion Ratio Lower Upper

49 100

129 2.6 0.0 0.0#

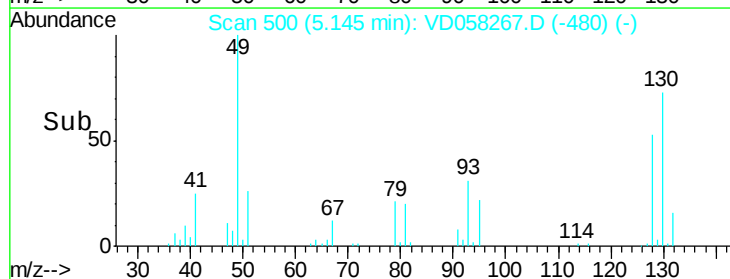
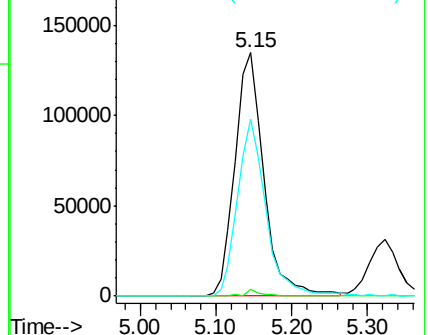
130 72.9 52.6 79.0



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

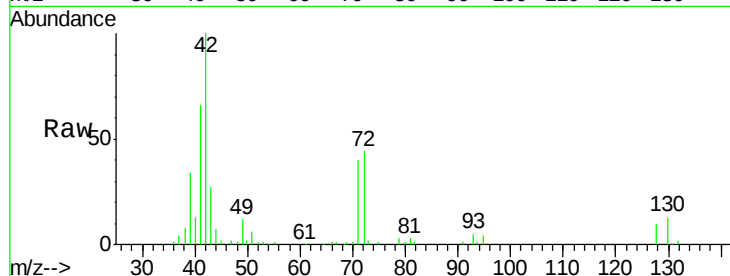




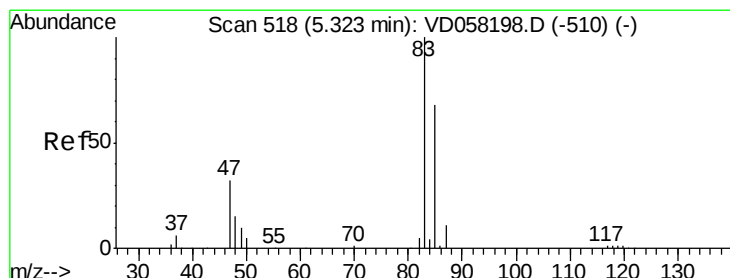
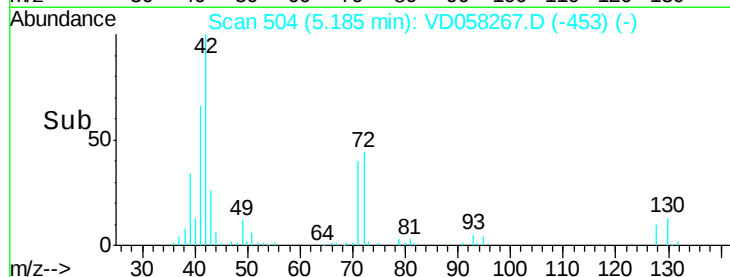
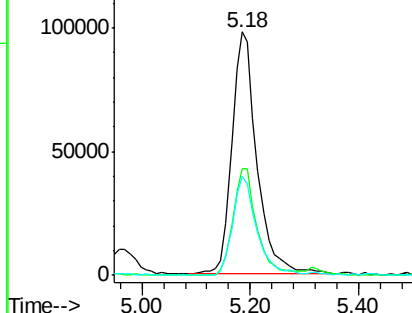
#29
Tetrahydrofuran
Concen: 220.26 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	30.2	45.2
71	39.1	30.1	45.1

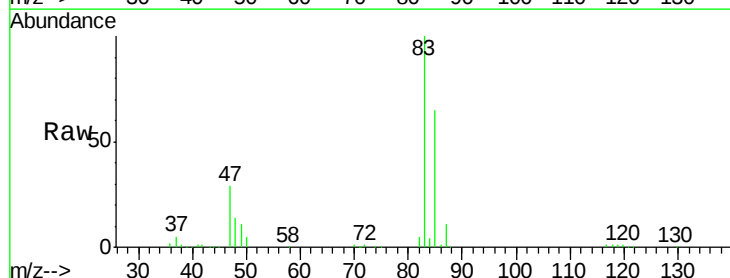


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

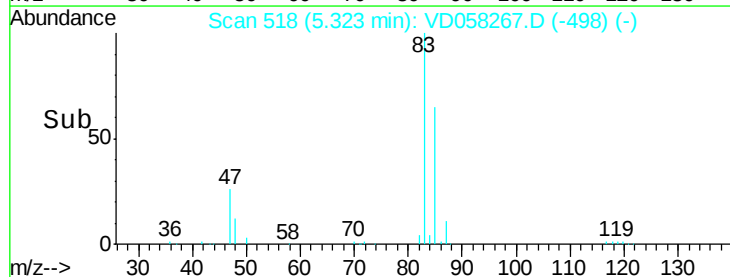
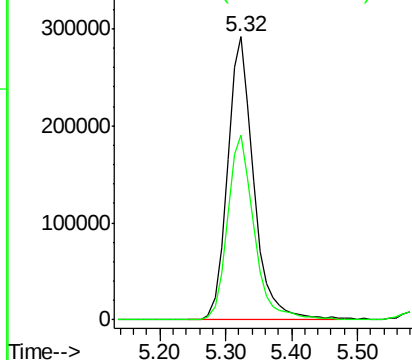


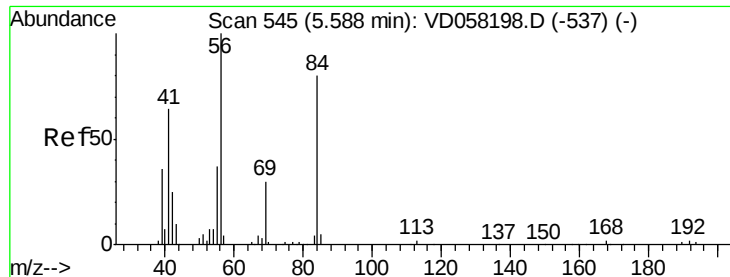
#30
Chloroform
Concen: 50.09 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.8	82.2



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

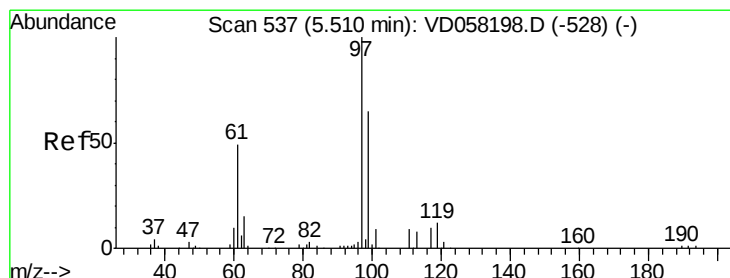
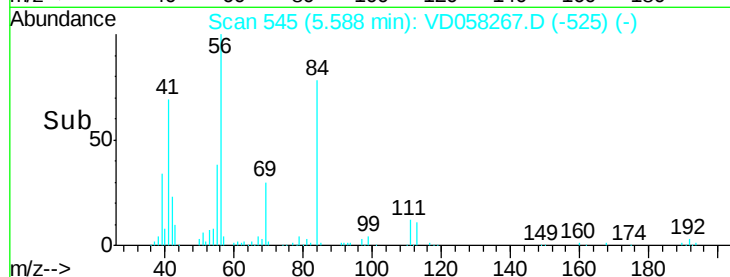
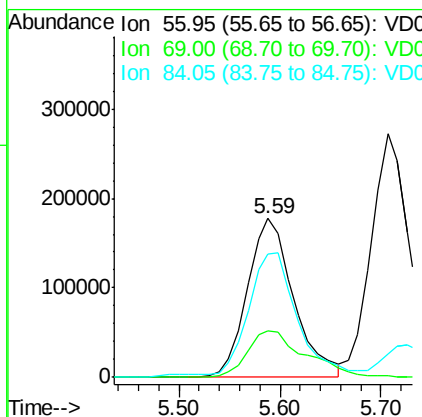
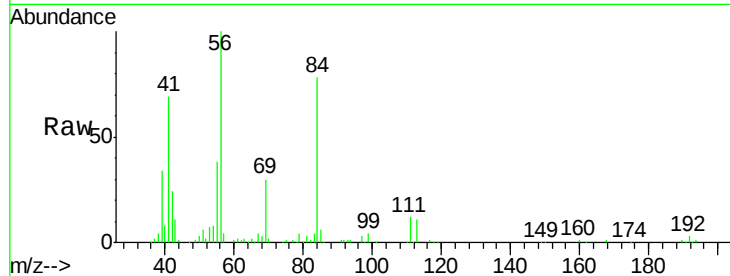




#31
Cyclohexane
Concen: 51.05 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

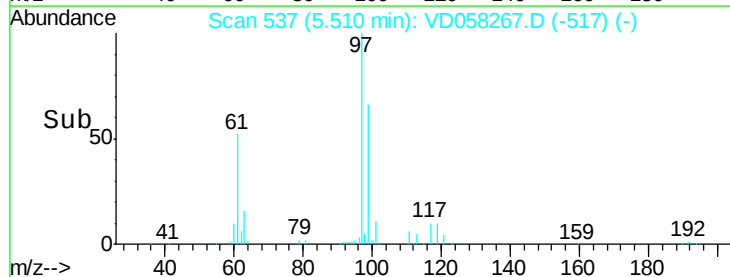
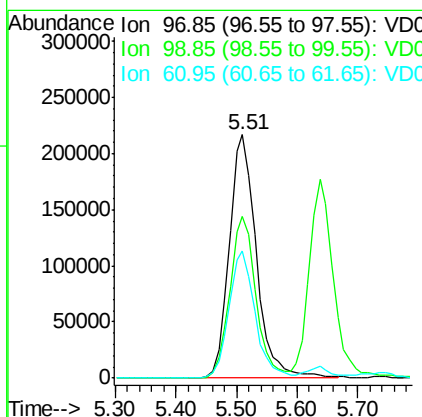
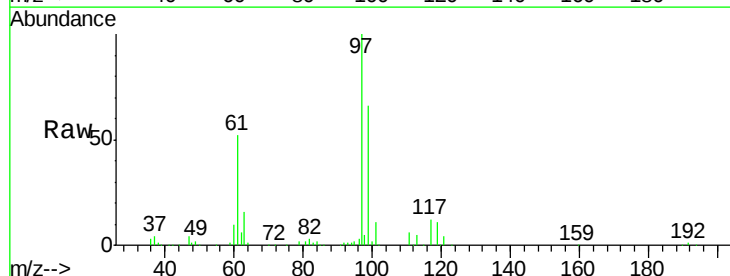
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	566324
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.6	35.4
84	78.0	65.2	97.8



#32
1,1,1-Trichloroethane
Concen: 50.38 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion	97	Resp	672884
Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.2	78.4
61	52.2	39.0	58.4

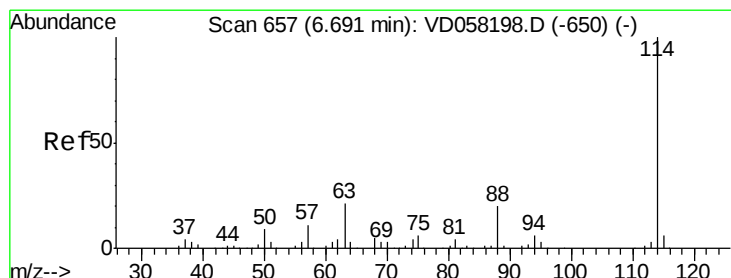
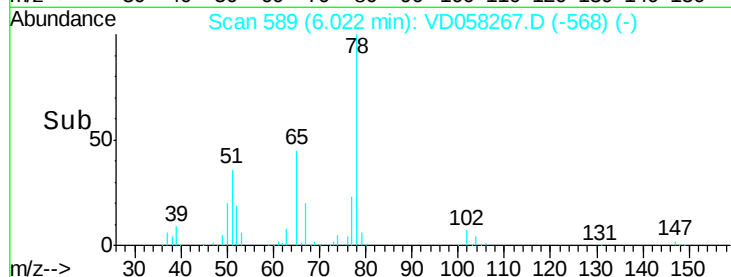
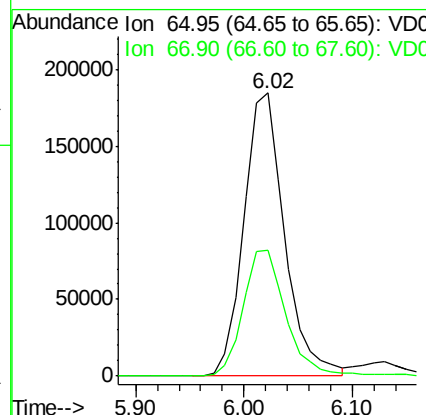
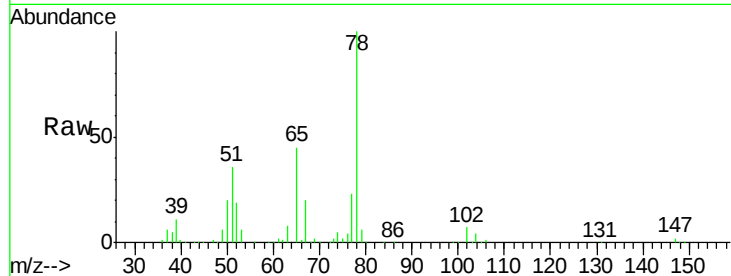




#33
 1,2-Dichloroethane-d4
 Concen: 50.38 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

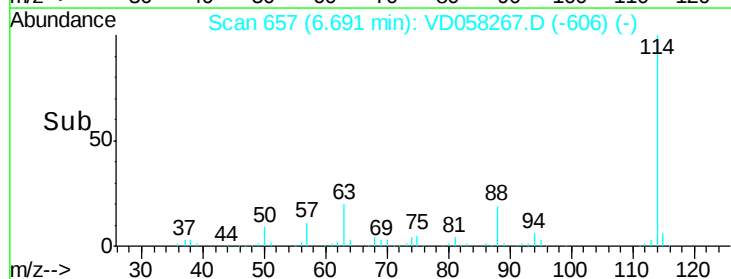
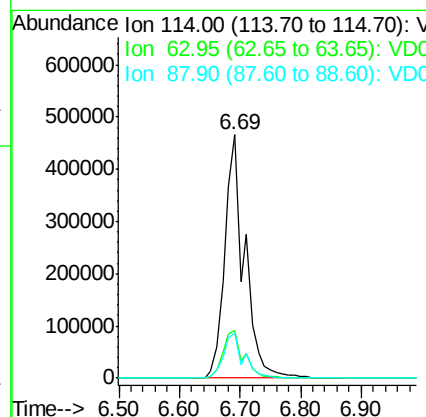
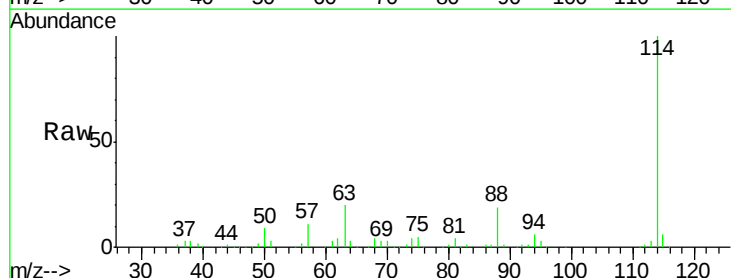
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

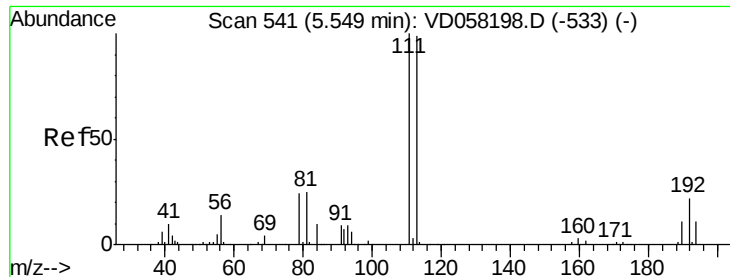
Tot Ion: 65 Resp: 481825
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 114 Resp: 1054530
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 18.7 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

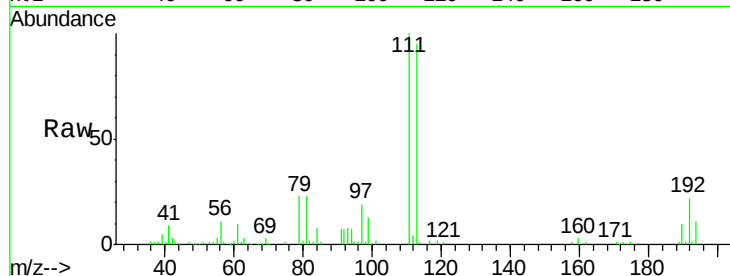
Tot Ion:113 Resp: 498946

Ion Ratio Lower Upper

113 100

111 105.0 80.6 121.0

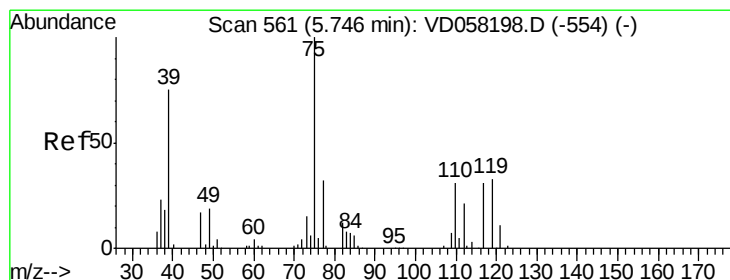
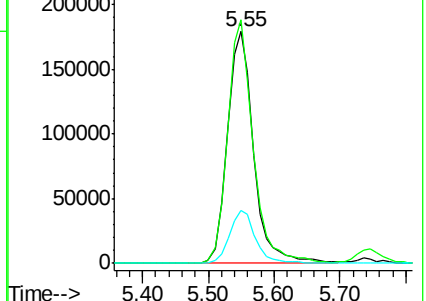
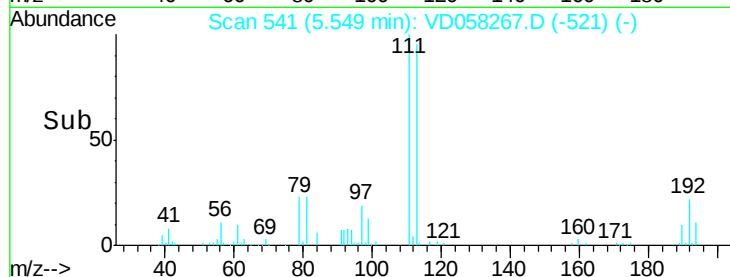
192 22.6 17.8 26.6



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: 53.97 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

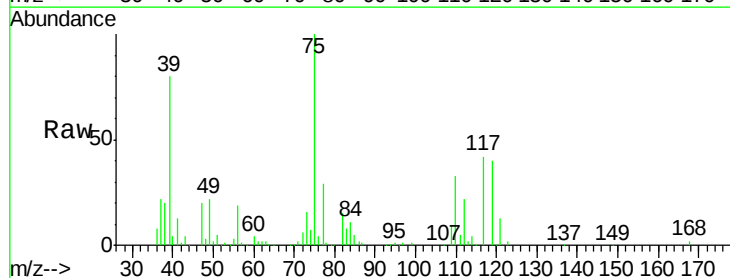
Tgt Ion: 75 Resp: 563006

Ion Ratio Lower Upper

75 100

110 33.5 15.4 46.4

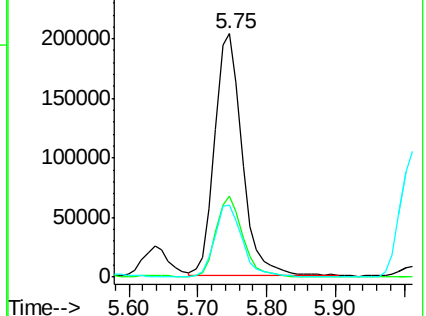
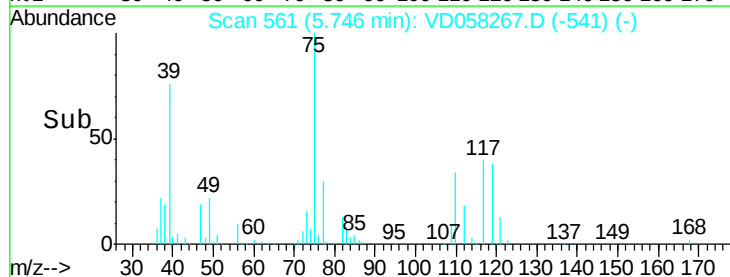
77 29.4 25.4 38.2

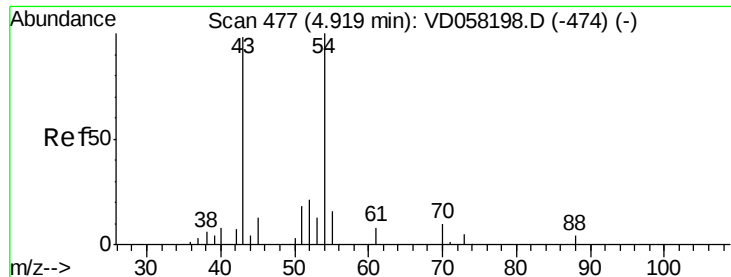


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 54.38 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

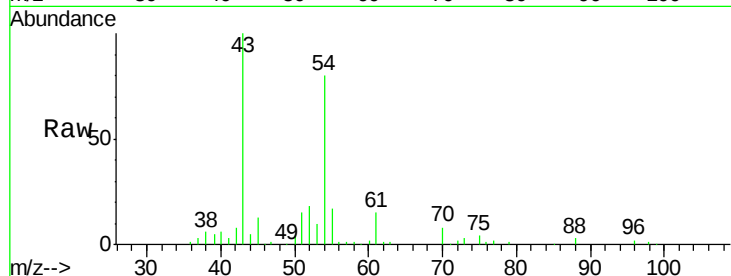
Tot Ion: 43 Resp: 323215

Ion Ratio Lower Upper

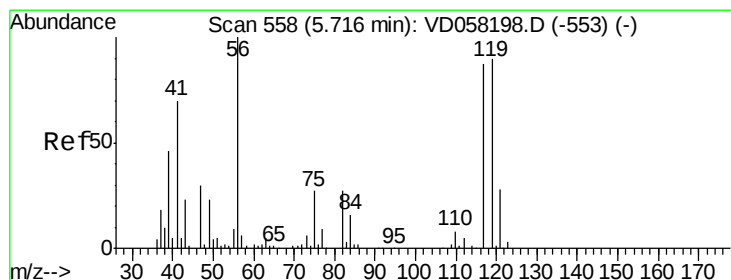
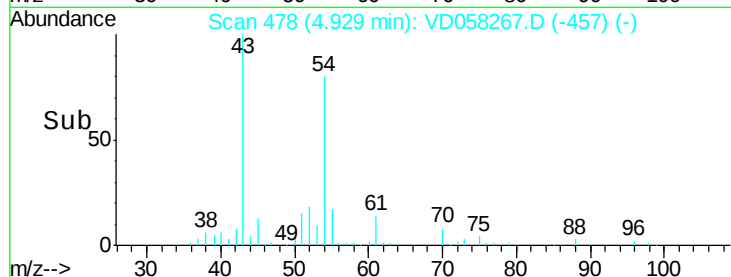
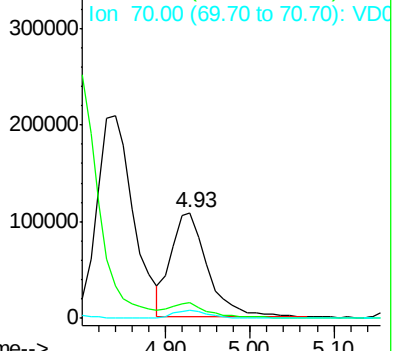
43 100

61 14.9 10.3 15.5

70 7.8 5.7 8.5



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



#38

Carbon Tetrachloride

Concen: 53.59 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

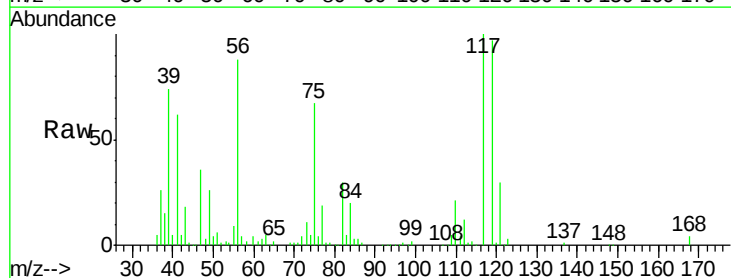
Tgt Ion: 117 Resp: 555531

Ion Ratio Lower Upper

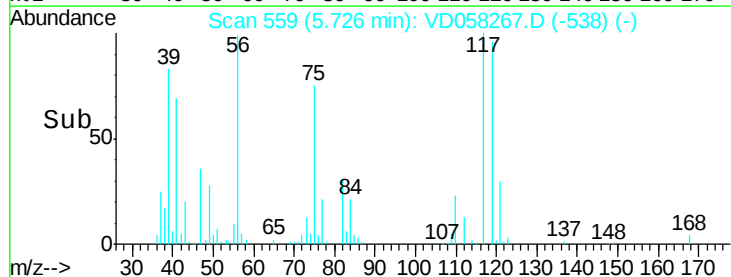
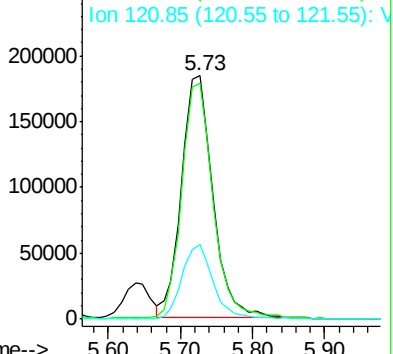
117 100

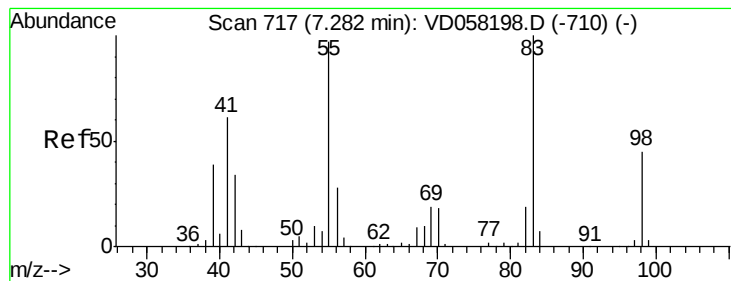
119 96.7 78.8 118.2

121 30.4 25.0 37.6



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





#39

Methvlcvclohexane

Concen: 53.26 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

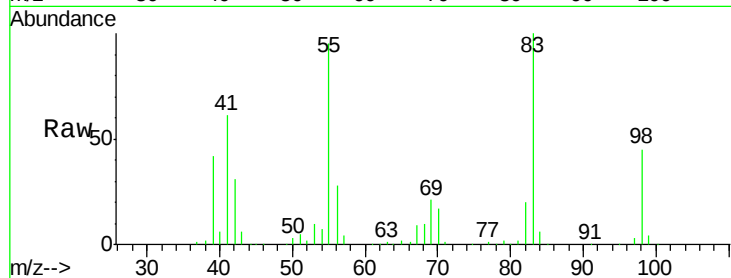
Tot Ion: 83 Resp: 541134

Ion Ratio Lower Upper

83 100

55 95.3 77.4 116.2

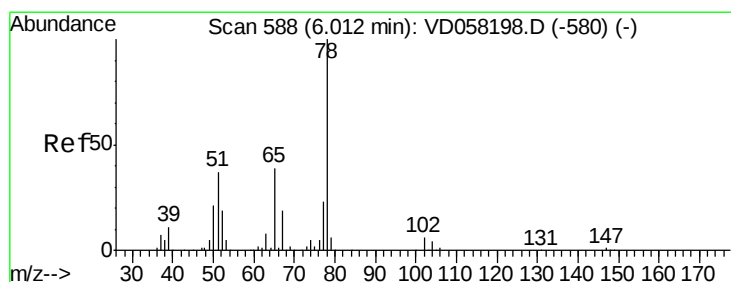
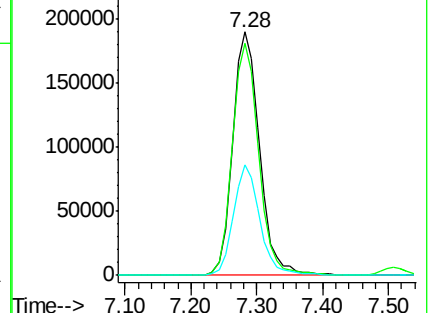
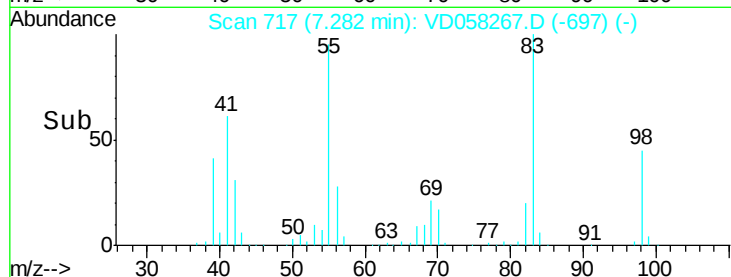
98 45.4 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.34 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058267.D

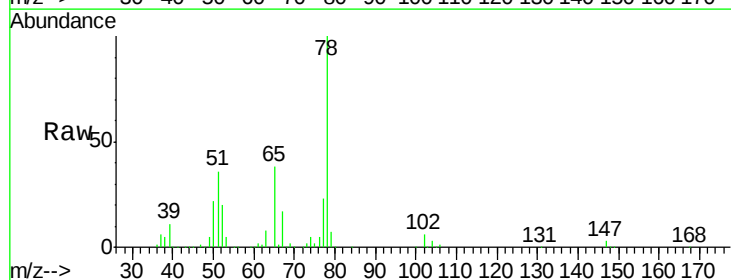
Acq: 21 Jun 2018 22:12

Tgt Ion: 78 Resp: 1300757

Ion Ratio Lower Upper

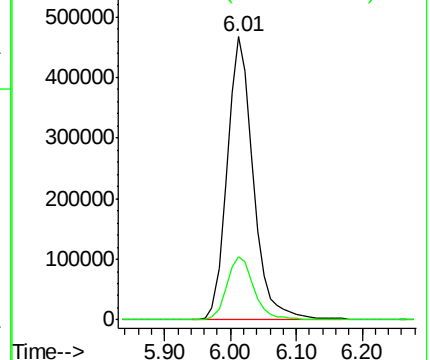
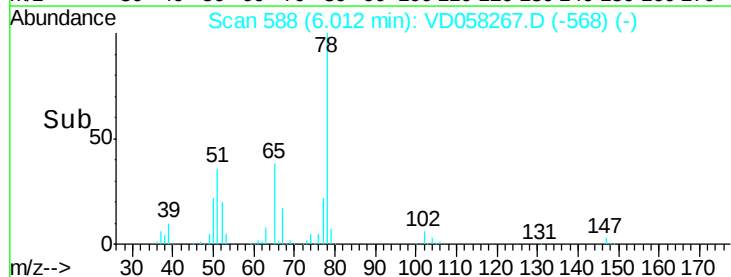
78 100

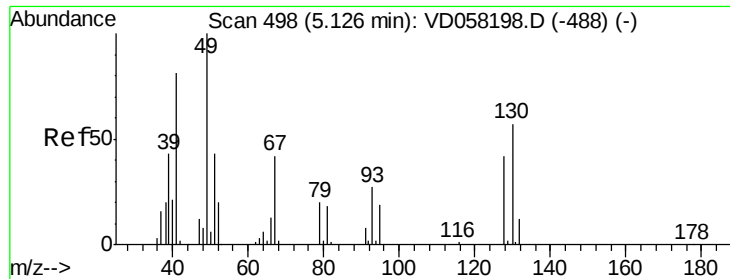
77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

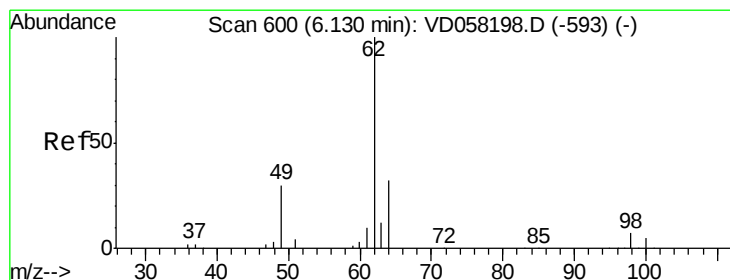
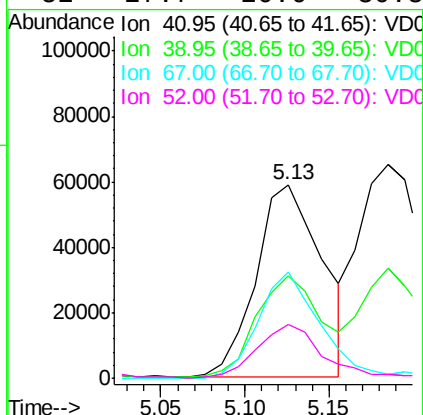
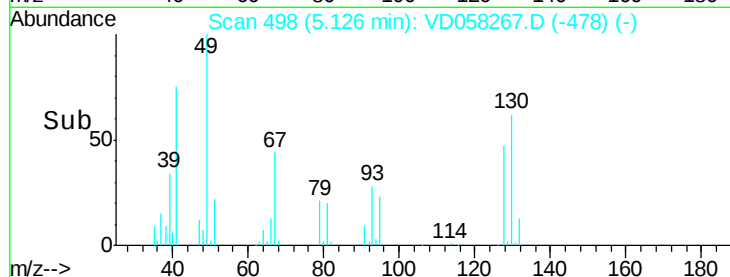
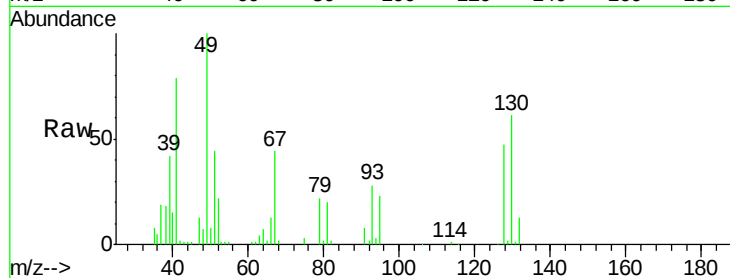




#41
Methacrylonitrile
Concen: 55.77 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

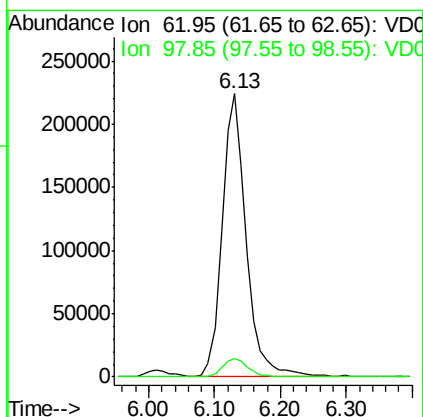
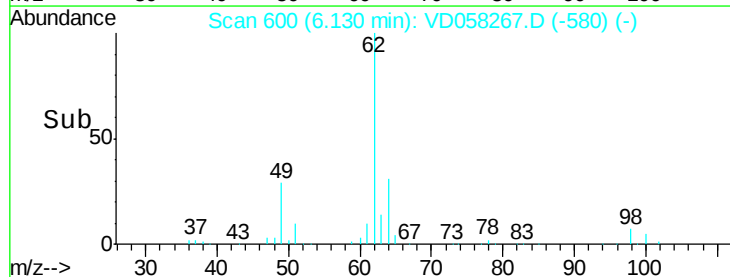
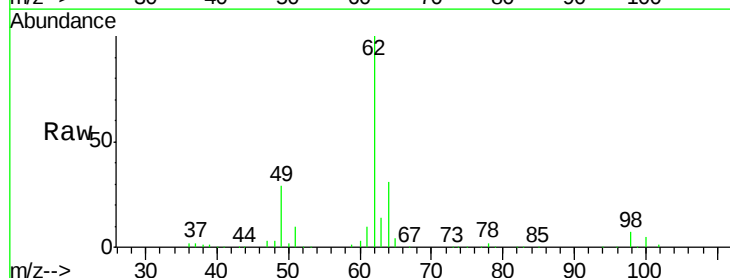
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

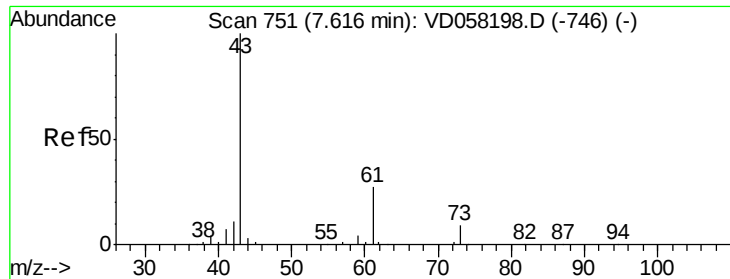
Tot Ion: 41 Resp: 160078
Ion Ratio Lower Upper
41 100
39 52.9 43.4 65.2
67 54.9 41.7 62.5
52 27.7 20.6 30.8



#42
1,2-Dichloroethane
Concen: 56.24 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 62 Resp: 563559
Ion Ratio Lower Upper
62 100
98 6.6 0.0 13.2





#43

Isopropyl Acetate

Concen: 51.21 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

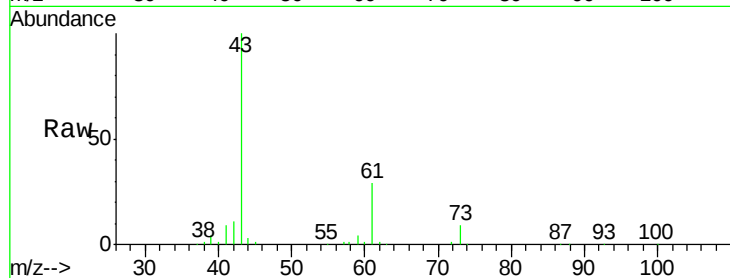
Tot Ion: 43 Resp: 405765

Ion Ratio Lower Upper

43 100

61 29.1 21.8 32.6

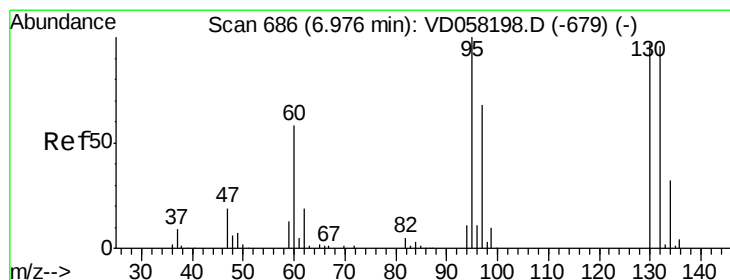
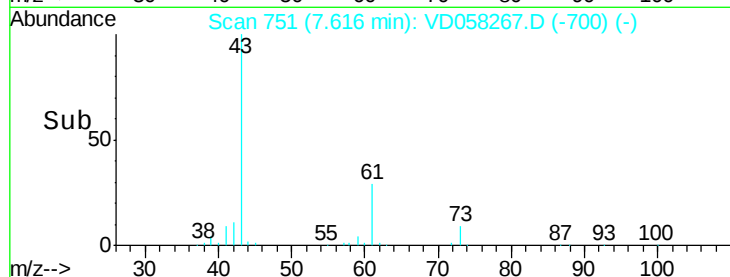
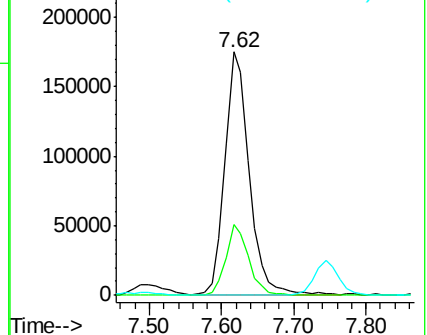
87 0.3 0.3 0.5



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: 56.19 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058267.D

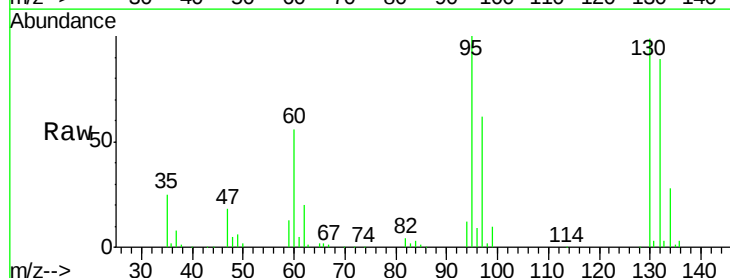
Acq: 21 Jun 2018 22:12

Tgt Ion:130 Resp: 419281

Ion Ratio Lower Upper

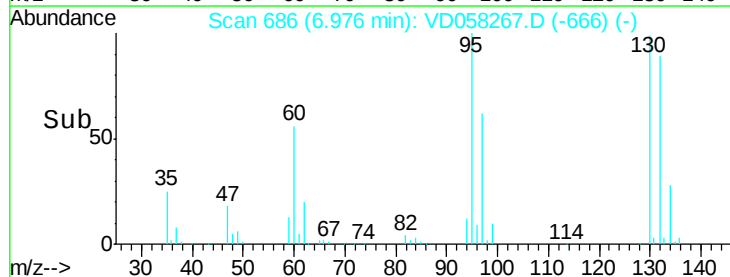
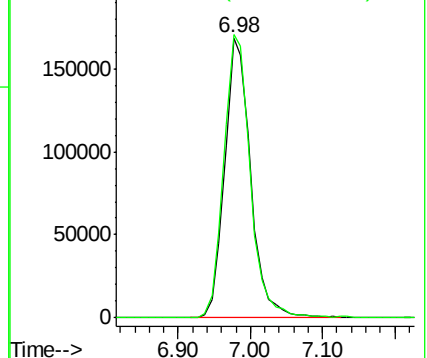
130 100

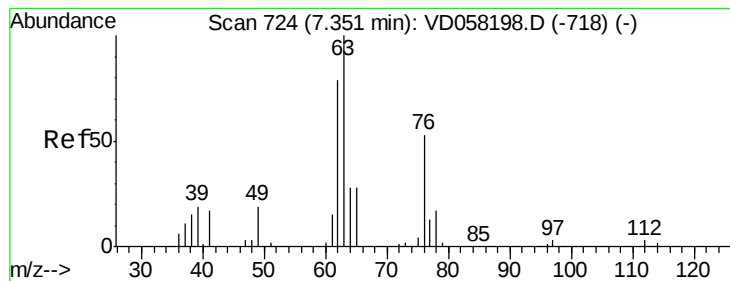
95 101.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.32 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

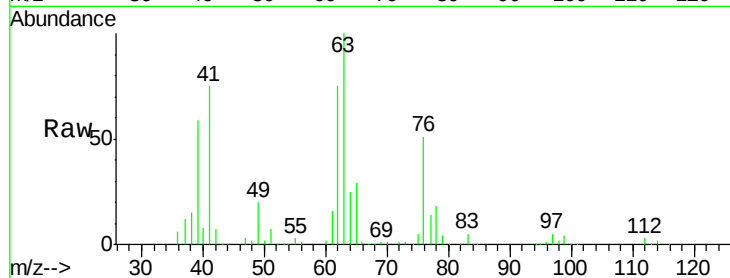
VSTDCCC050EC

Tot Ion: 63 Resp: 376889

Ion Ratio Lower Upper

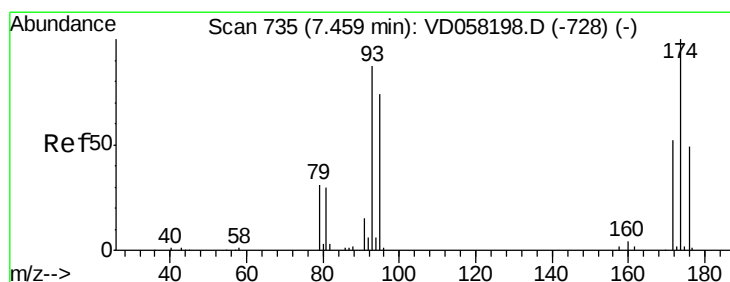
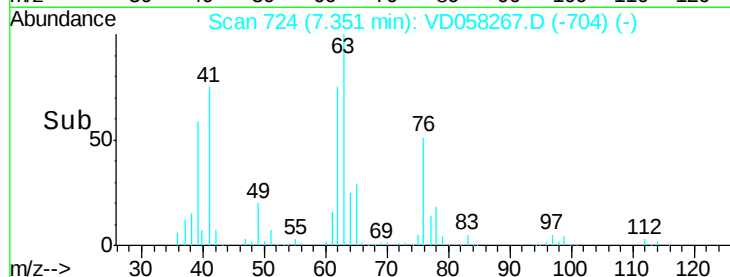
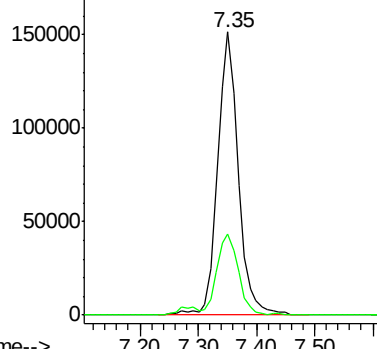
63 100

65 28.8 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: 55.88 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

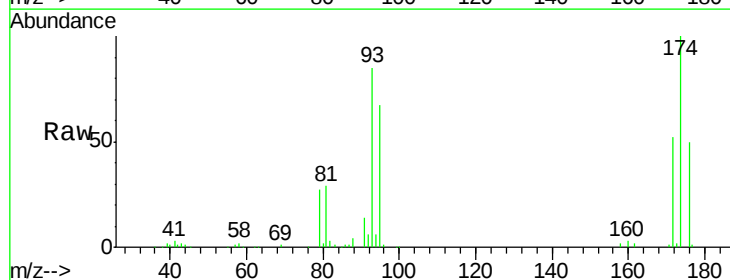
Tgt Ion: 93 Resp: 255282

Ion Ratio Lower Upper

93 100

95 78.7 67.8 101.6

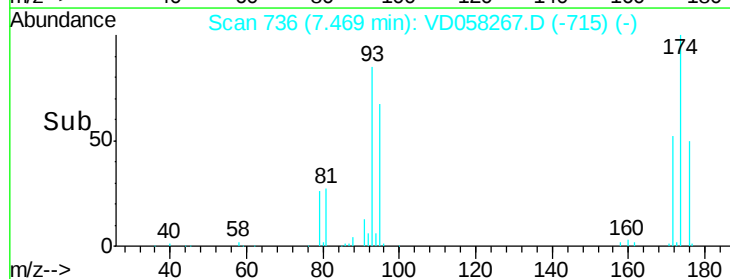
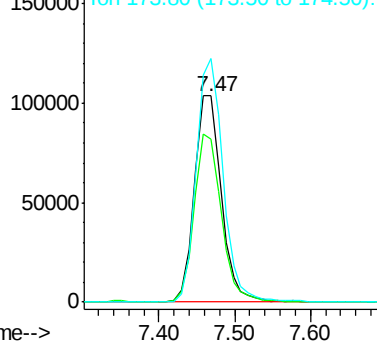
174 118.0 92.2 138.2

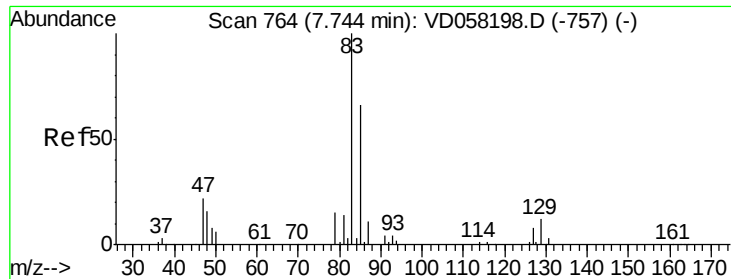


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.45 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

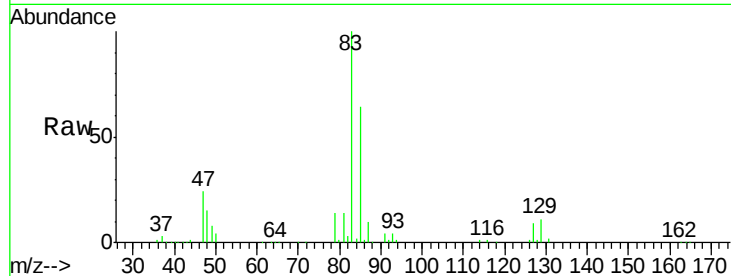
Tot Ion: 83 Resp: 567330

Ion Ratio Lower Upper

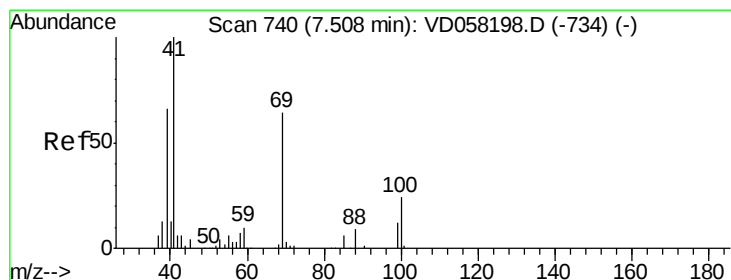
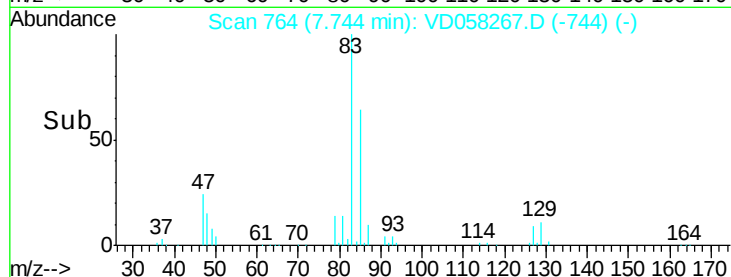
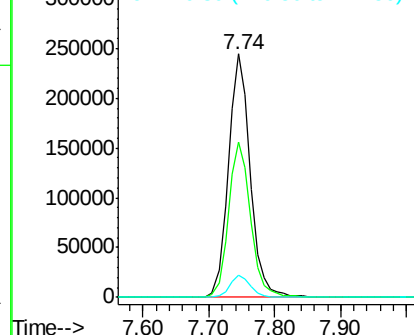
83 100

85 64.0 52.6 78.8

127 9.1 6.2 9.4



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



#48

Methyl methacrylate

Concen: 53.27 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

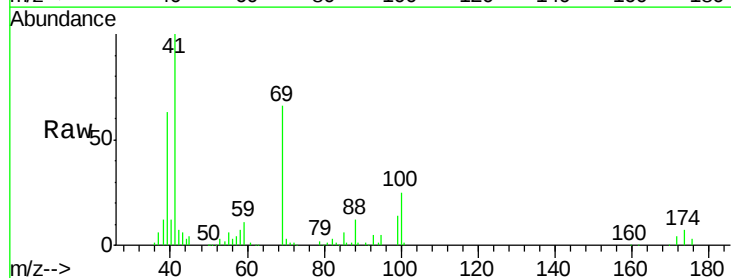
Tgt Ion: 41 Resp: 256564

Ion Ratio Lower Upper

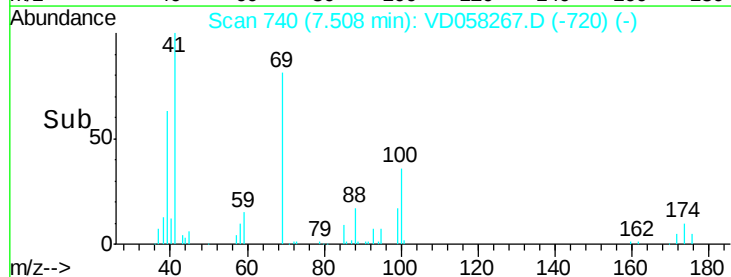
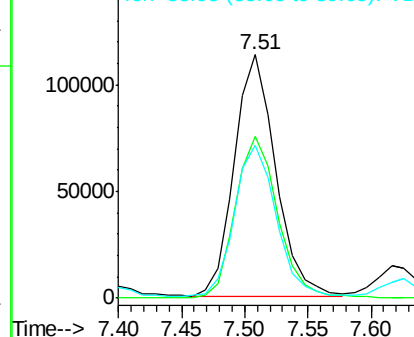
41 100

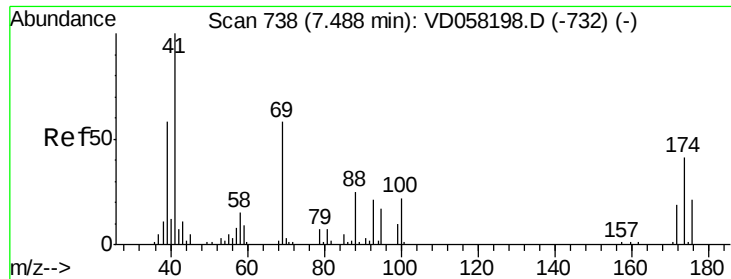
69 66.3 50.7 76.1

39 62.8 52.6 78.8



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

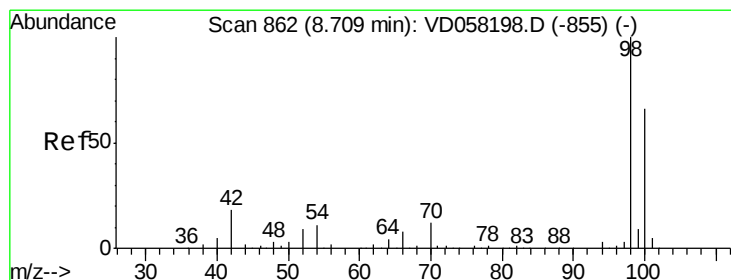
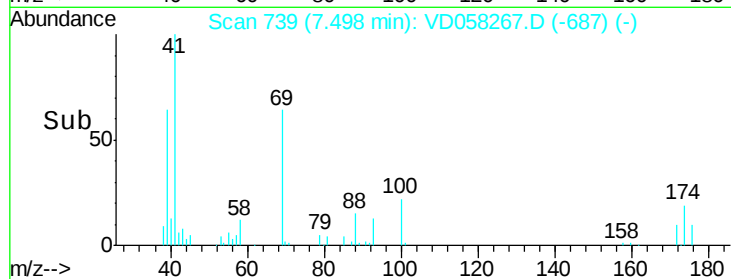
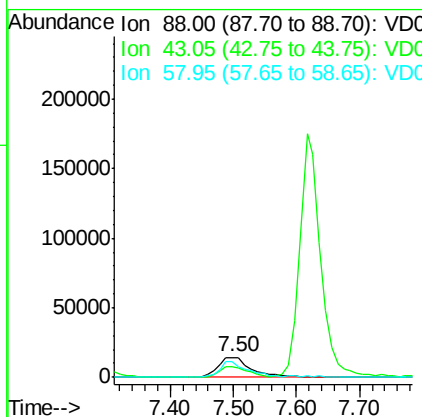
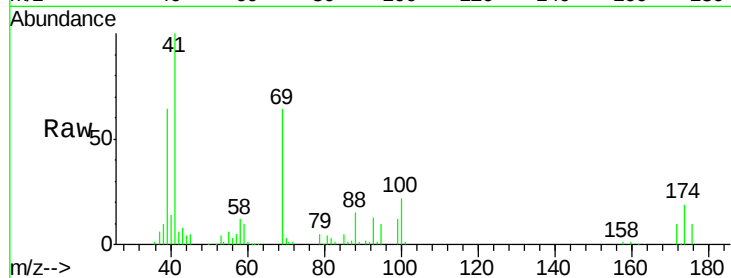




#49
 1,4-Dioxane
 Concen: 1212.18 ug/l
 RT: 7.50 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

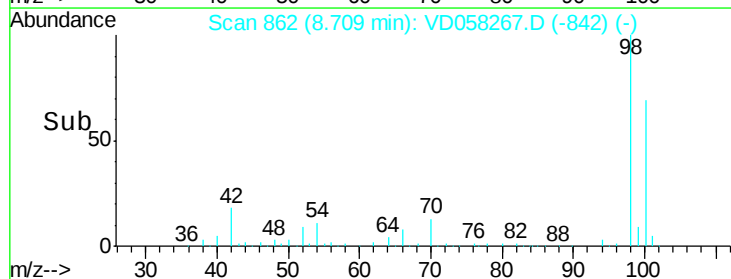
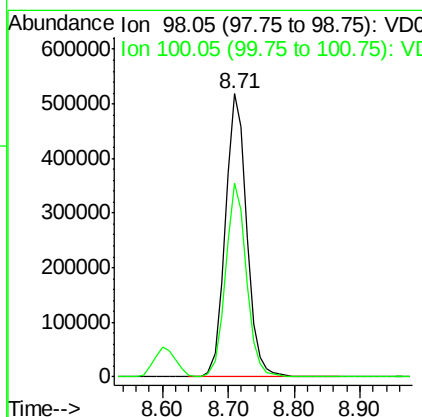
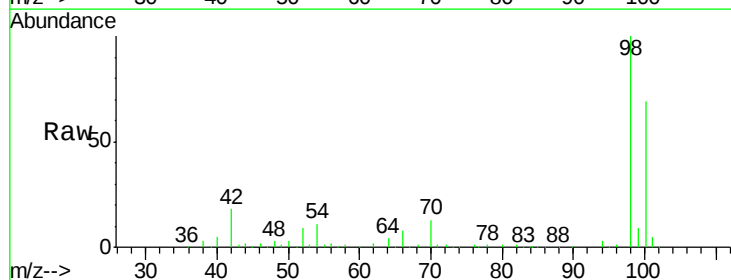
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

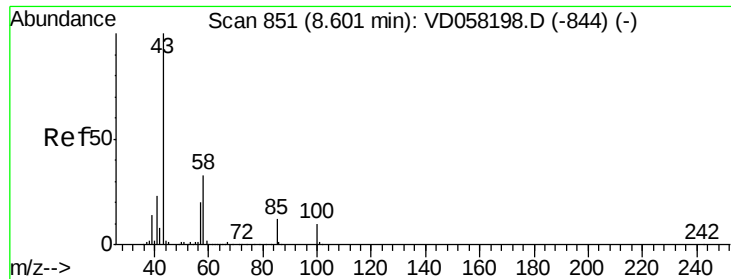
Tot Ion: 88 Resp: 52699
 Ion Ratio Lower Upper
 88 100
 43 51.4 34.2 51.2#
 58 79.4 47.9 71.9#



#50
 Toluene-d8
 Concen: 1212.18 ug/l
 RT: 8.71 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 98 Resp: 1183789
 Ion Ratio Lower Upper
 98 100
 100 68.6 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 257.84 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

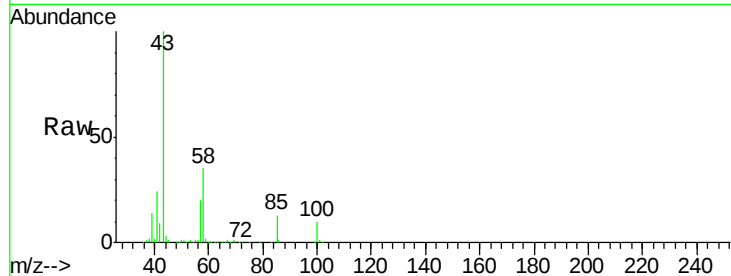
VSTDCCC050EC

Tot Ion: 43 Resp: 1332697

Ion Ratio Lower Upper

43 100

58 34.5 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

600000

500000

400000

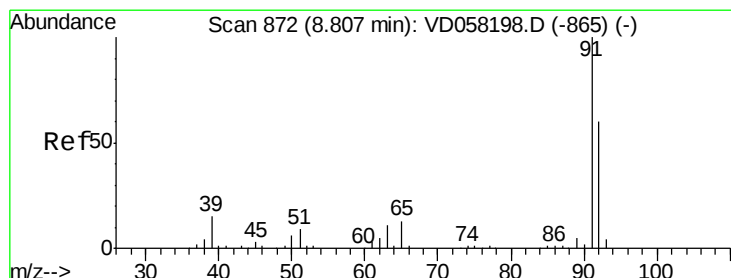
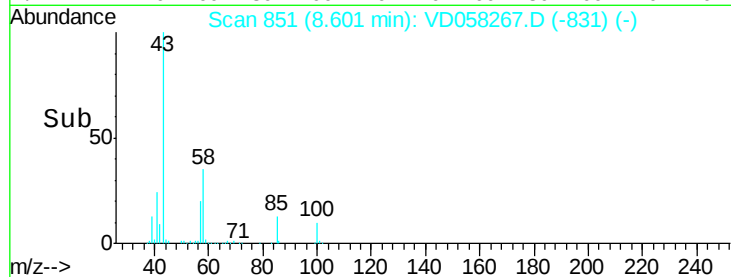
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.90 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058267.D

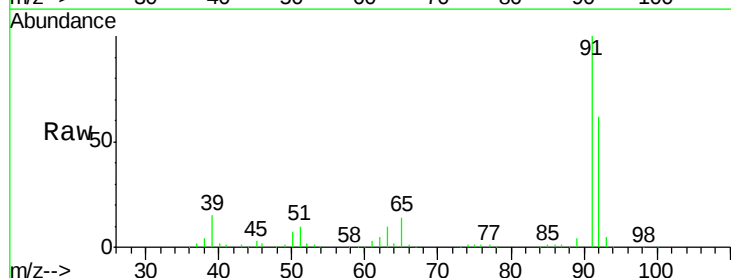
Acq: 21 Jun 2018 22:12

Tgt Ion: 92 Resp: 762740

Ion Ratio Lower Upper

92 100

91 162.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

600000

500000

400000

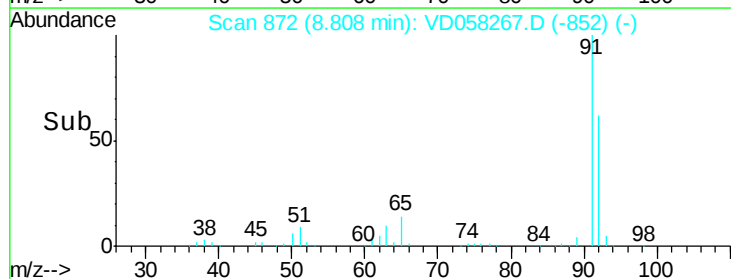
300000

200000

100000

0

Time-->

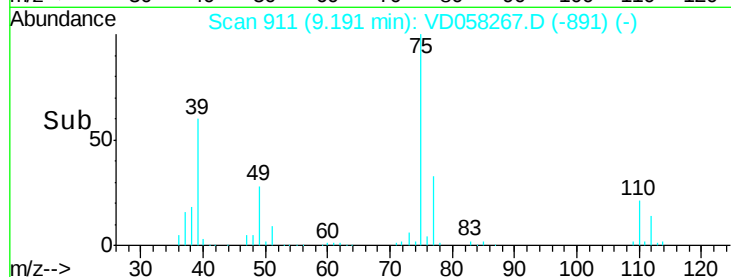
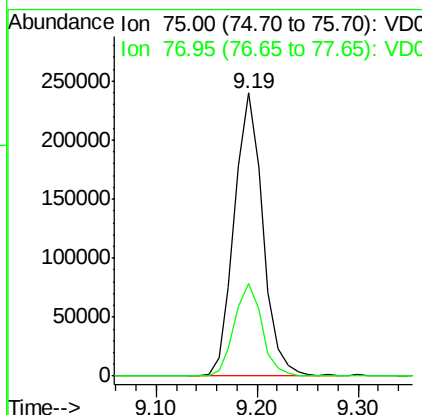
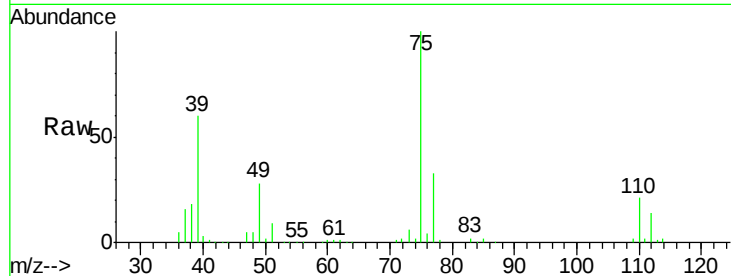




#53
t-1,3-Dichloropropene
Concen: 52.20 ug/l
RT: 9.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

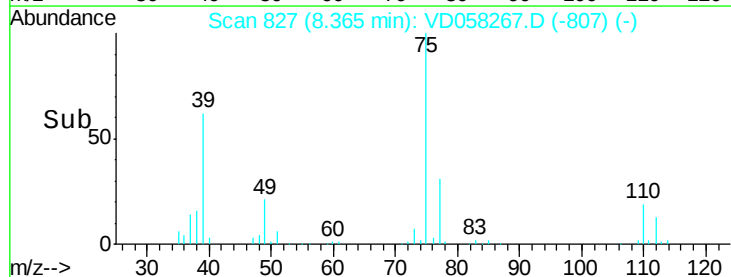
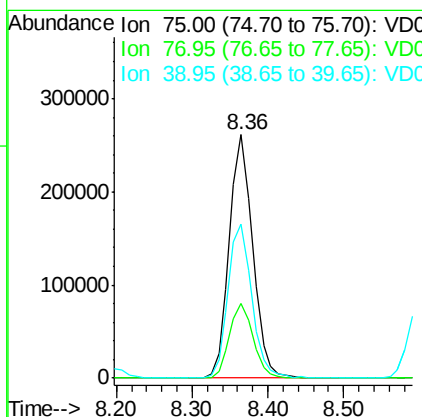
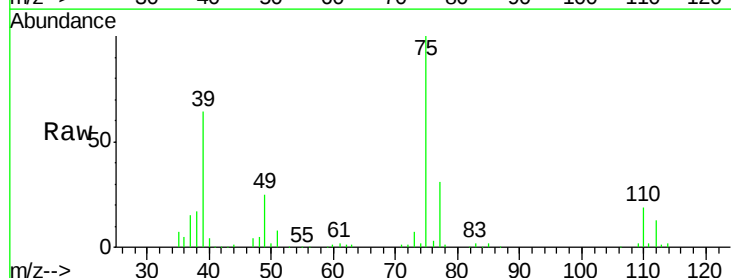
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

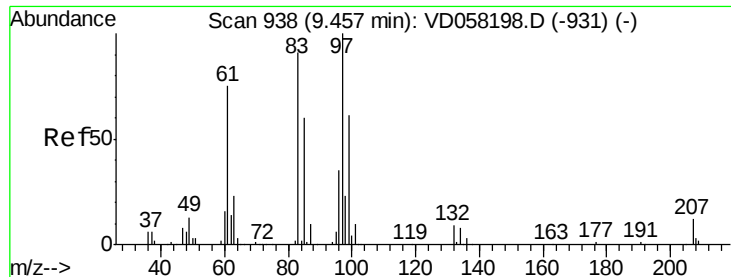
Tot Ion: 75 Resp: 472809
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.8



#54
cis-1,3-Dichloropropene
Concen: 52.78 ug/l
RT: 8.36 min Scan# 827
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 75 Resp: 560464
Ion Ratio Lower Upper
75 100
77 30.8 26.5 39.7
39 63.5 52.9 79.3

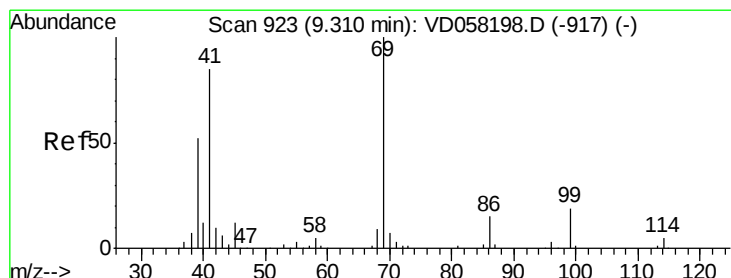
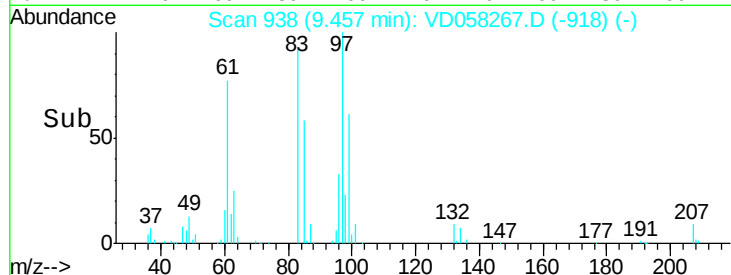
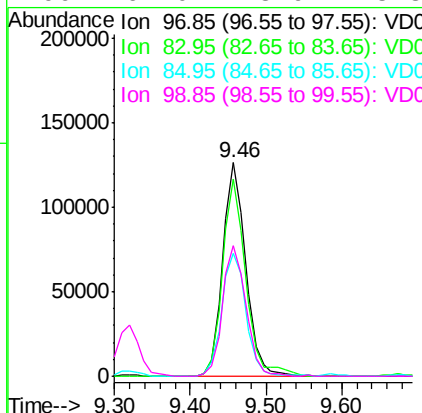
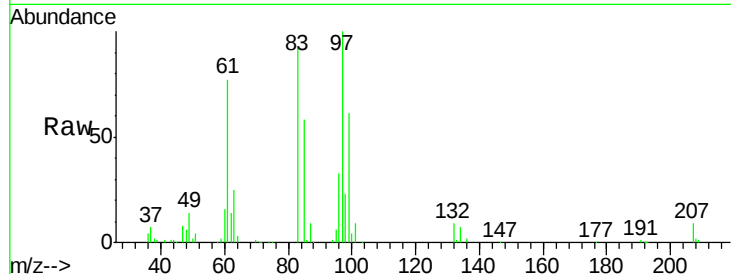




#55
 1,1,2-Trichloroethane
 Concen: 53.23 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

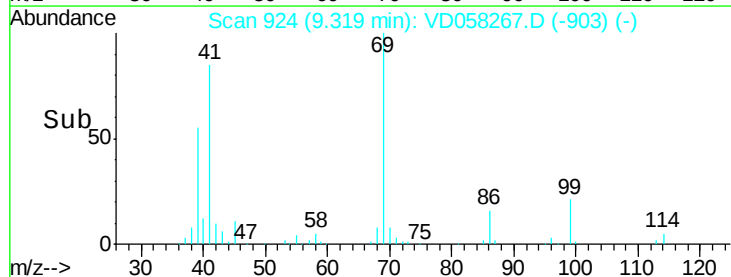
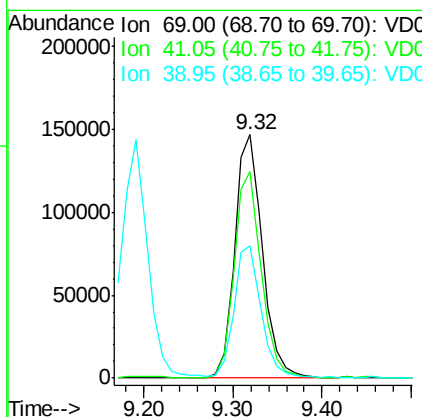
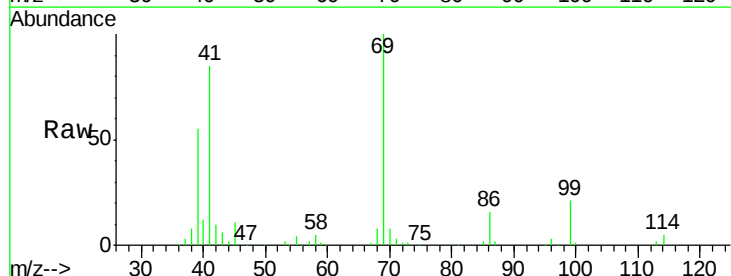
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

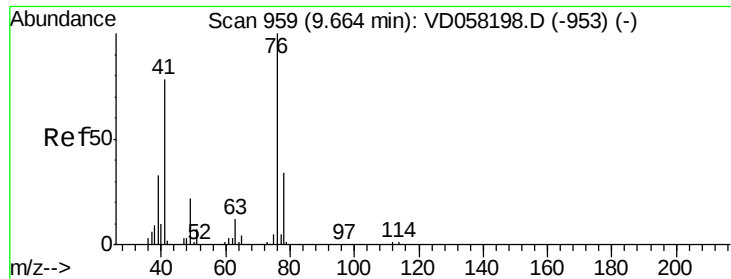
Tot Ion:	97	Resp:	266487
Ion	Ratio	Lower	Upper
97	100		
83	92.5	72.9	109.3
85	57.8	48.2	72.4
99	61.0	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 52.86 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:	69	Resp:	316473
Ion	Ratio	Lower	Upper
69	100		
41	84.7	67.6	101.4
39	54.6	42.2	63.2





#57

1,3-Dichloropropane

Concen: 56.34 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

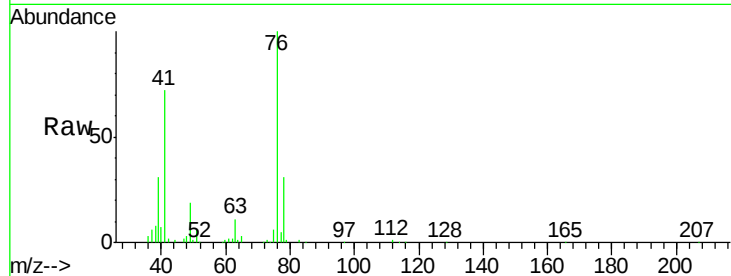
VSTDCCC050EC

Tot Ion: 76 Resp: 475115

Ion Ratio Lower Upper

76 100

78 30.9 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

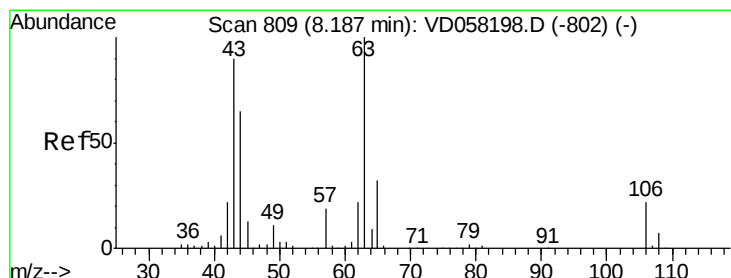
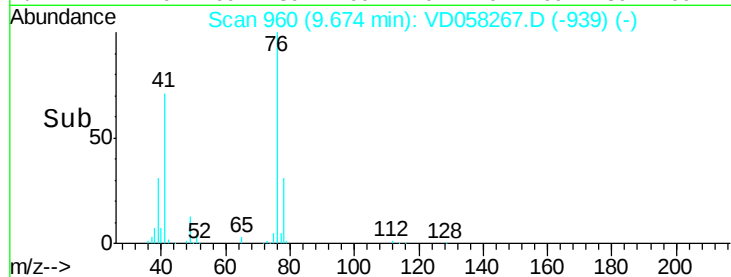
100000

50000

0

9.60 9.70 9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 281.44 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058267.D

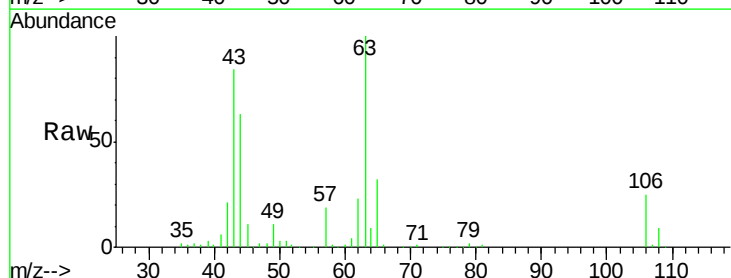
Acq: 21 Jun 2018 22:12

Tgt Ion: 63 Resp: 834186

Ion Ratio Lower Upper

63 100

106 24.6 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

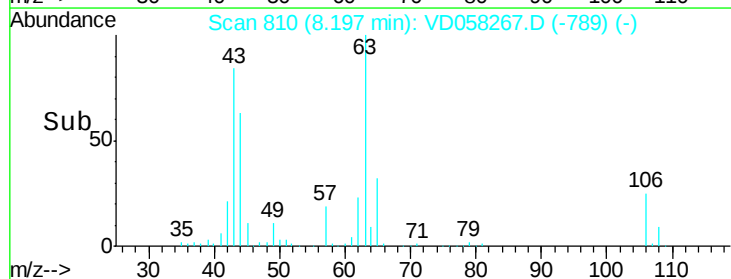
200000

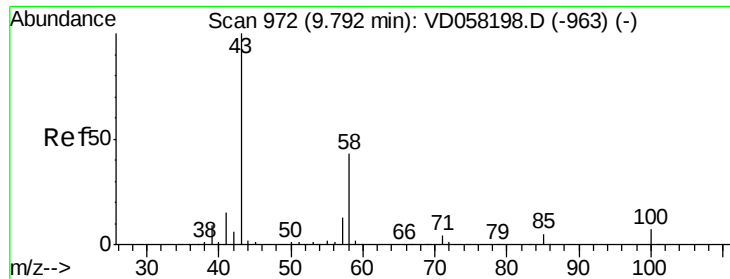
100000

0

8.10 8.20 8.30

Time-->

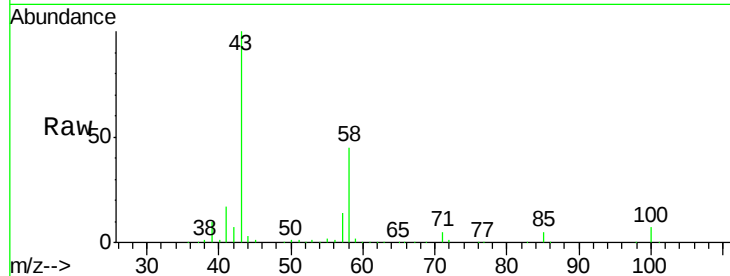




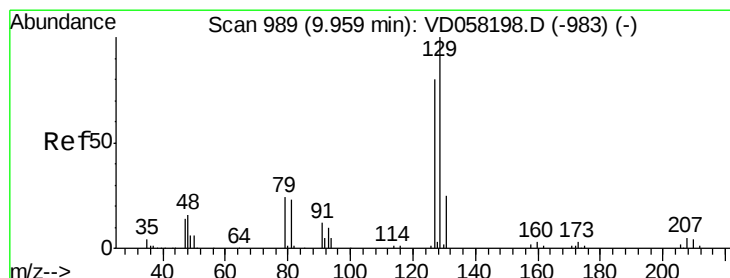
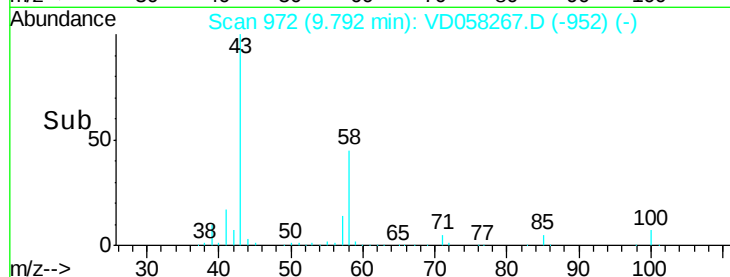
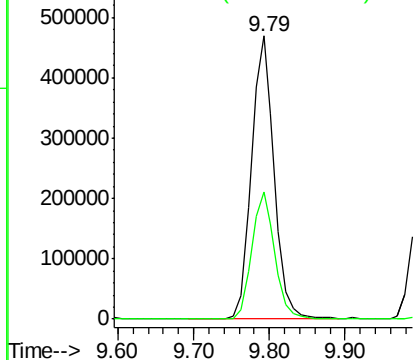
#59
2-Hexanone
Concen: 262.20 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 979294
Ion Ratio Lower Upper
43 100
58 44.7 21.7 65.1

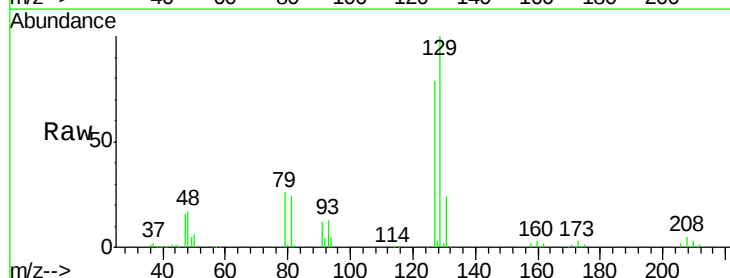


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

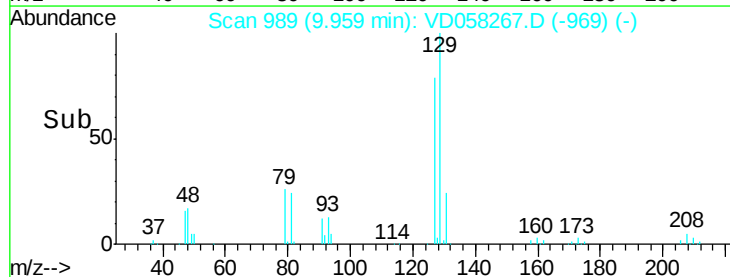
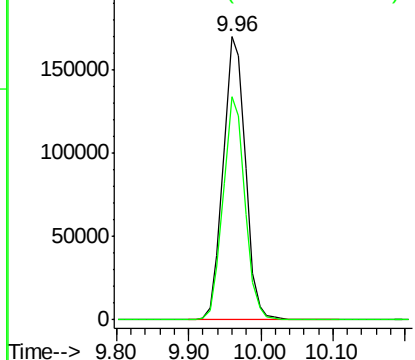


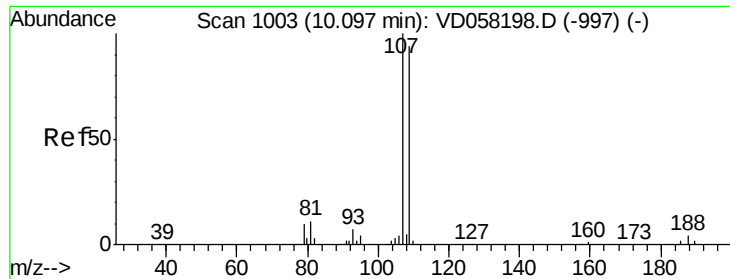
#60
Dibromochloromethane
Concen: 53.25 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:129 Resp: 361792
Ion Ratio Lower Upper
129 100
127 78.7 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

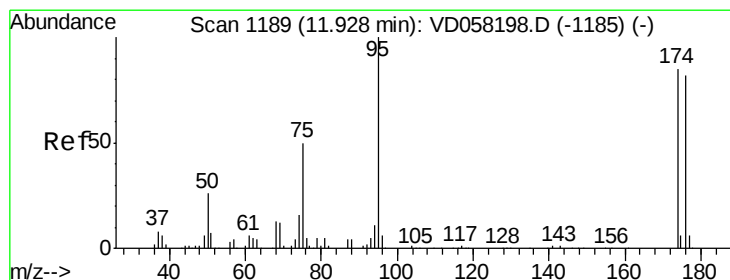
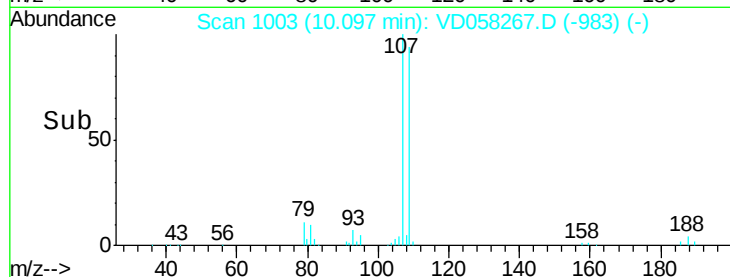
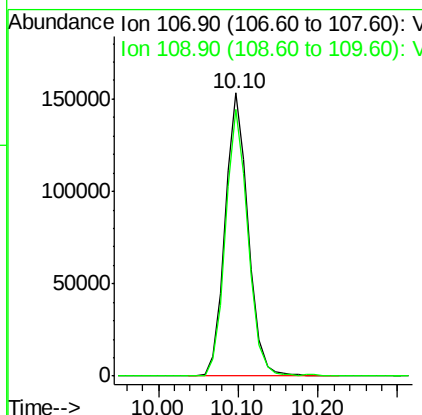
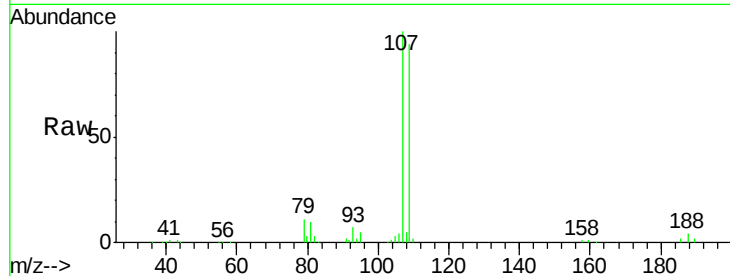




#61
 1,2-Dibromoethane
 Concen: 56.84 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

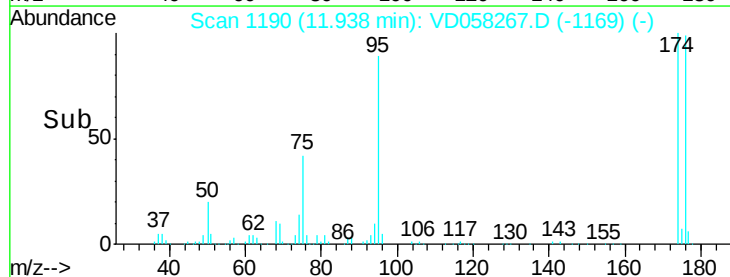
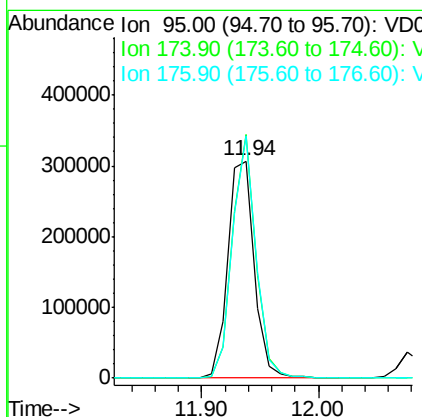
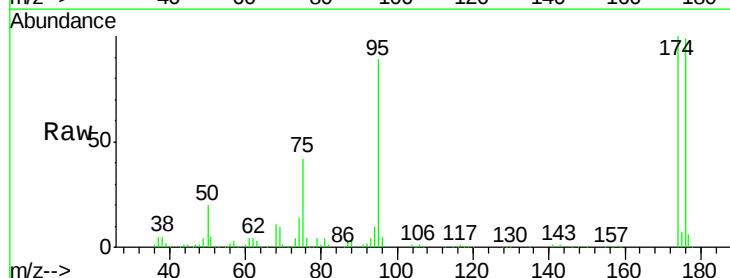
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

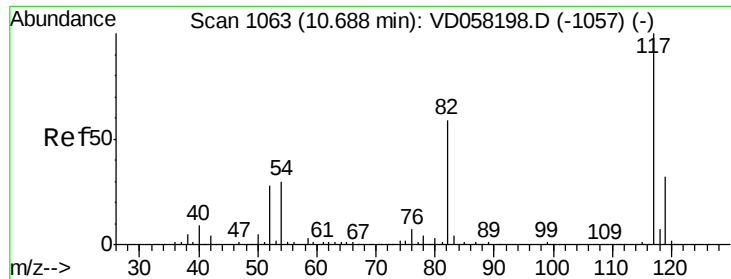
Tot Ion:107 Resp: 311427
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 56.84 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 95 Resp: 481947
 Ion Ratio Lower Upper
 95 100
 174 112.0 0.0 170.2
 176 111.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

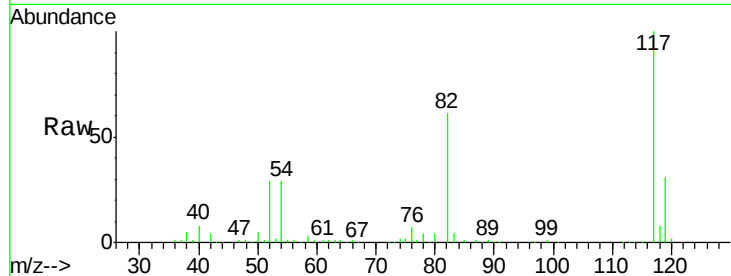
Tot Ion:117 Resp: 889789

Ion Ratio Lower Upper

117 100

82 61.2 47.0 70.6

119 30.7 25.3 37.9

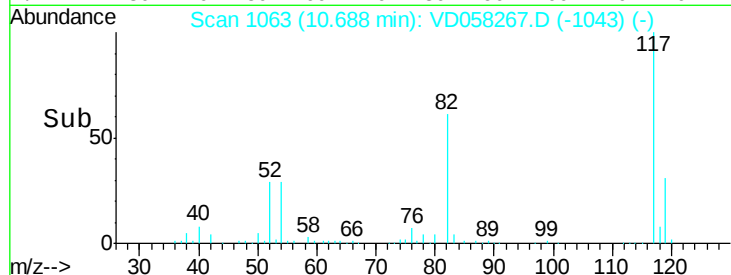


Abundance Ion 116.95 (116.65 to 117.65): V

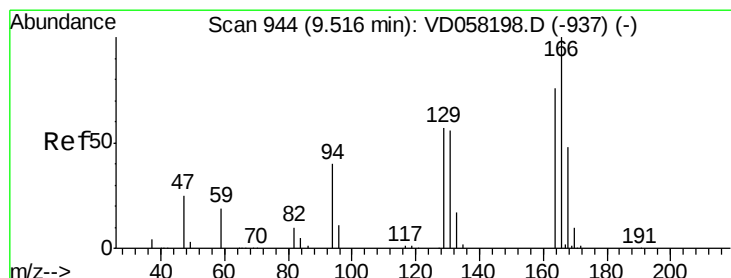
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 56.08 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion:164 Resp: 419894

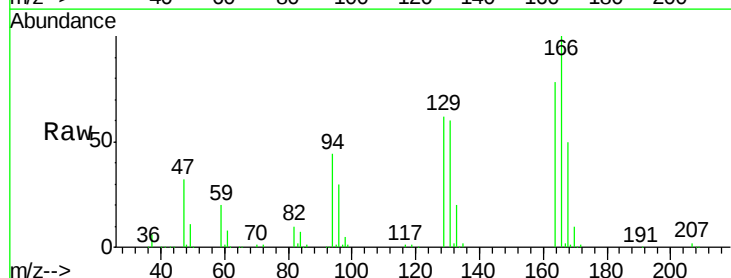
Ion Ratio Lower Upper

164 100

166 127.6 105.4 158.0

129 79.4 59.6 89.4

131 76.6 59.4 89.2



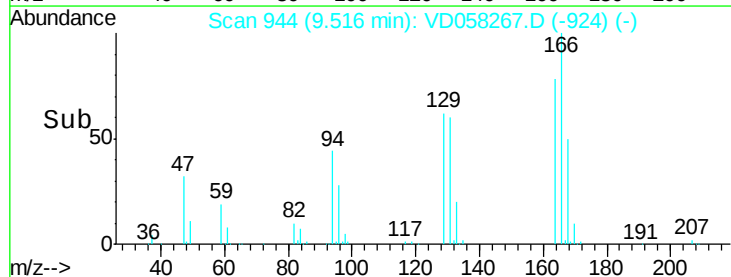
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

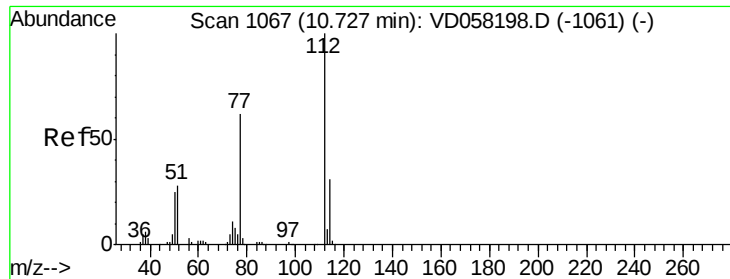
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



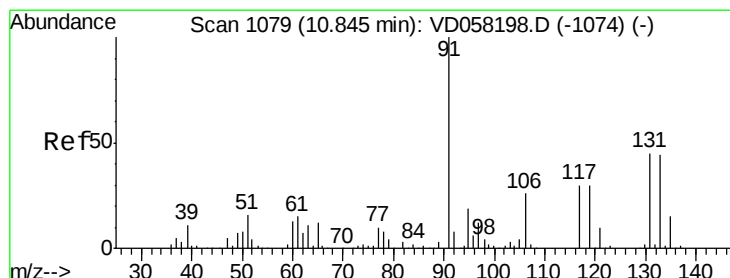
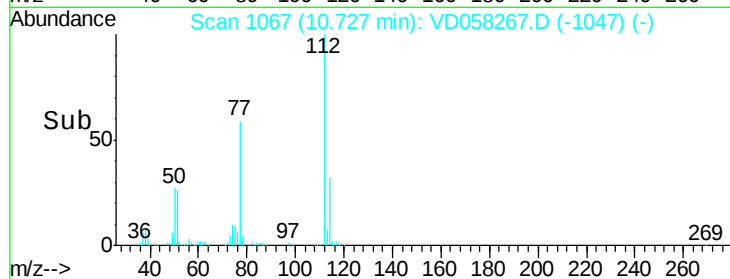
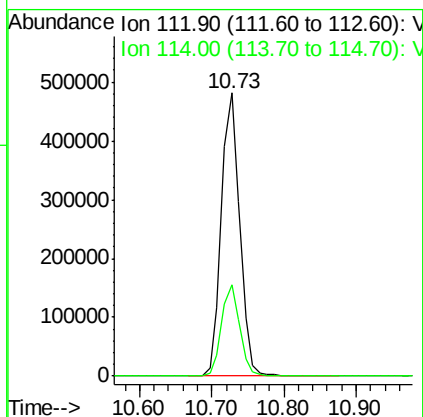
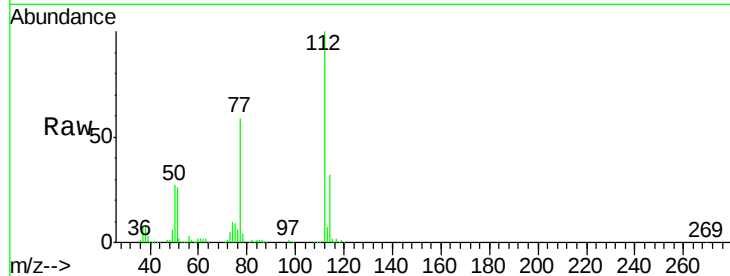
Time-->



#65
Chlorobenzene
Concen: 51.04 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

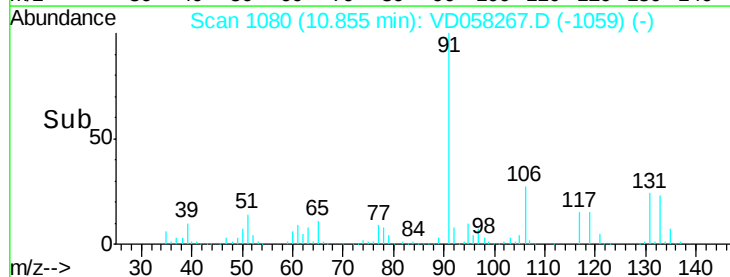
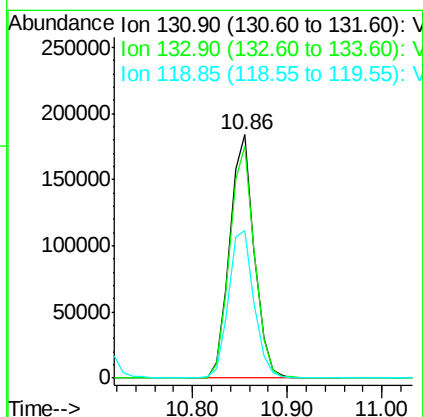
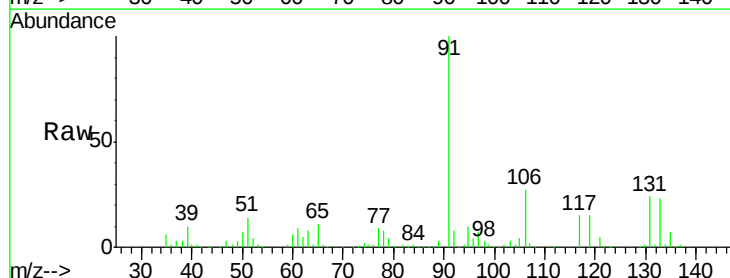
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 849449
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.25 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:131 Resp: 329174
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.9
119 60.6 33.0 99.0

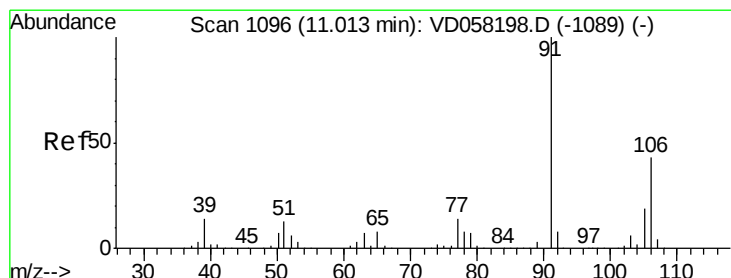
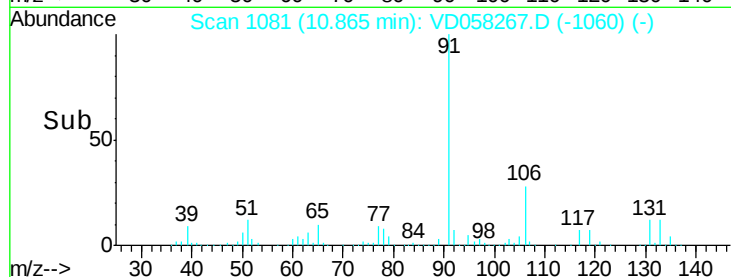
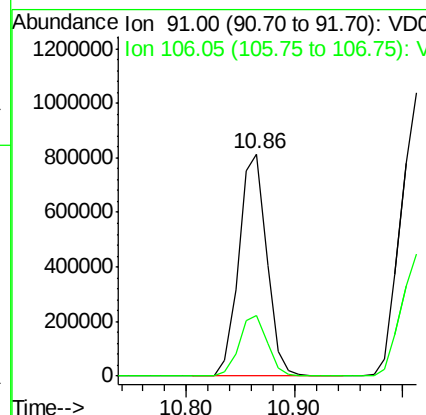
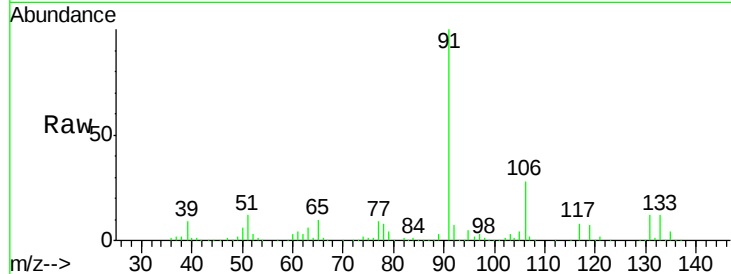




#67
Ethyl Benzene
Concen: 49.88 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

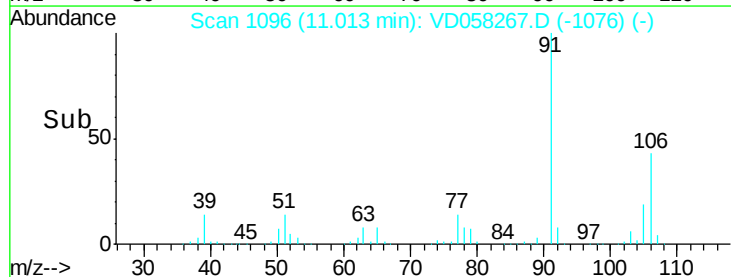
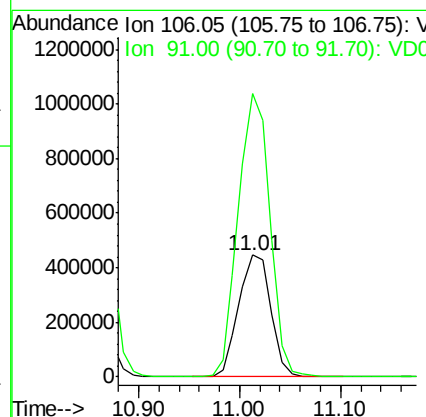
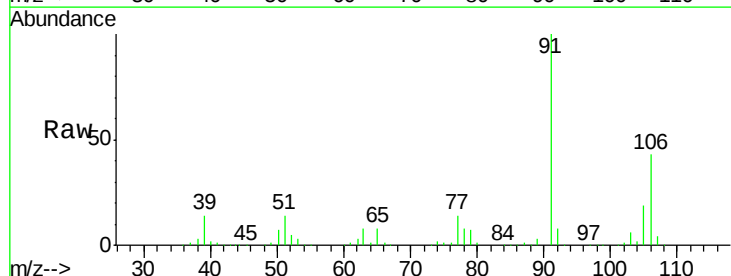
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

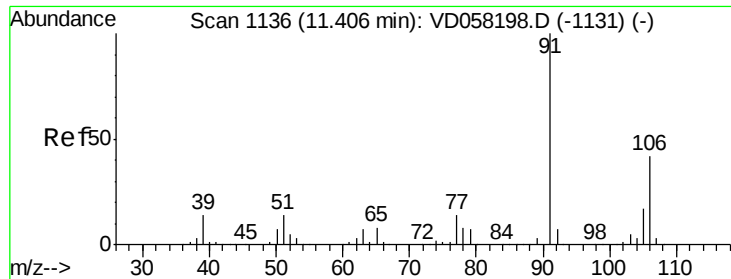
Tot Ion: 91 Resp: 1465800
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0



#68
m/p-Xylenes
Concen: 101.10 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 106 Resp: 990683
Ion Ratio Lower Upper
106 100
91 232.3 185.0 277.6

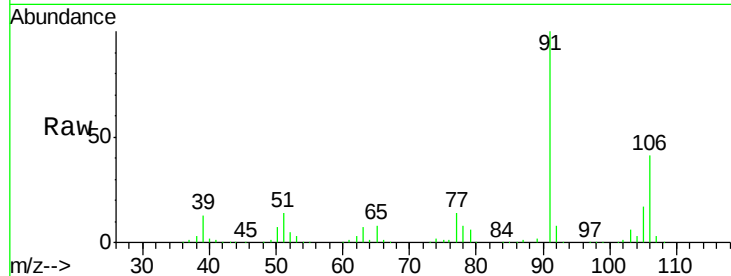




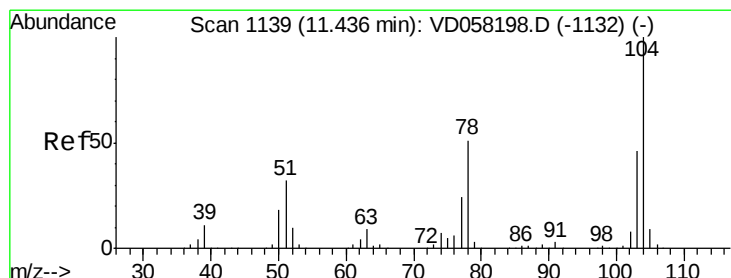
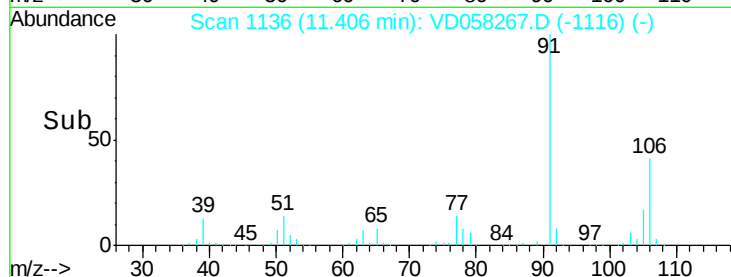
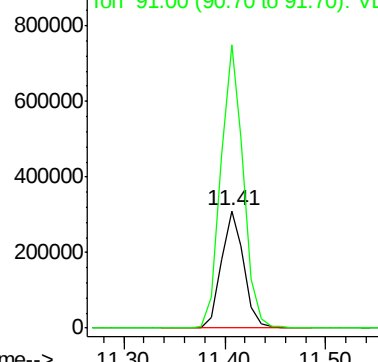
#69
o-Xylene
Concen: 51.39 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 480943
Ion Ratio Lower Upper
106 100
91 241.7 120.2 360.6

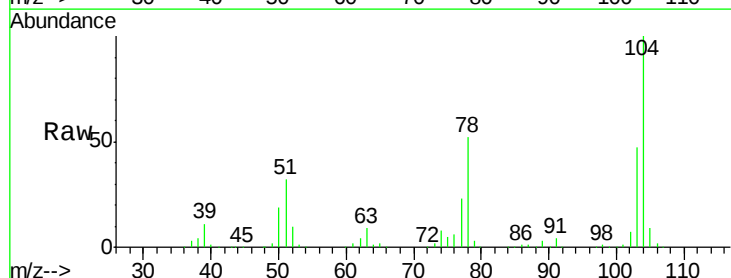


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

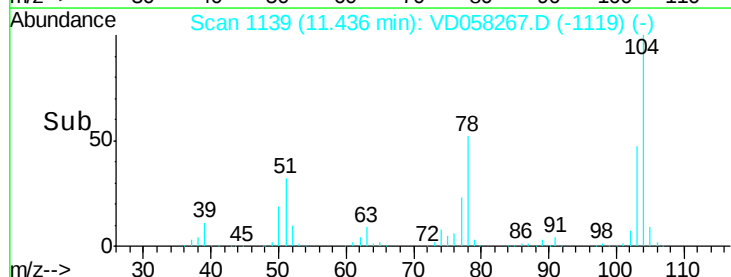
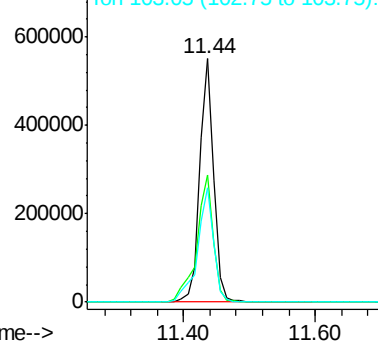


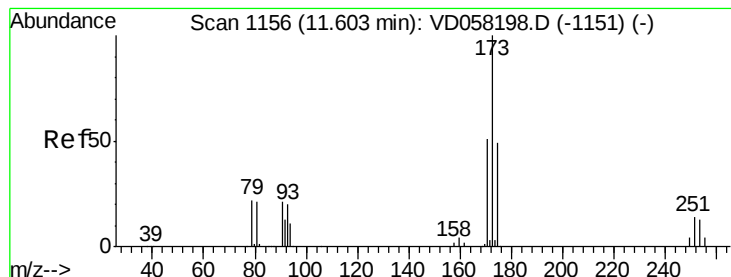
#70
Styrene
Concen: 51.32 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:104 Resp: 819624
Ion Ratio Lower Upper
104 100
78 52.4 40.8 61.2
103 46.8 37.0 55.6



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





#71

Bromoform

Concen: 50.30 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

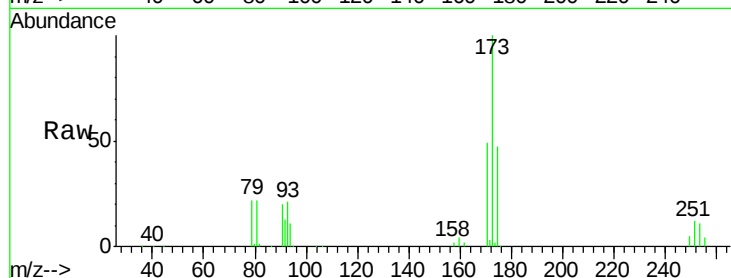
Tot Ion:173 Resp: 257707

Ion Ratio Lower Upper

173 100

175 46.8 24.6 74.0

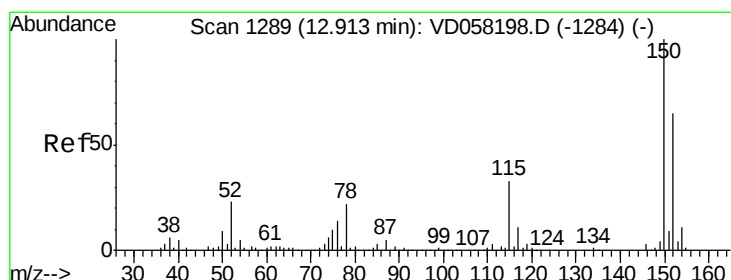
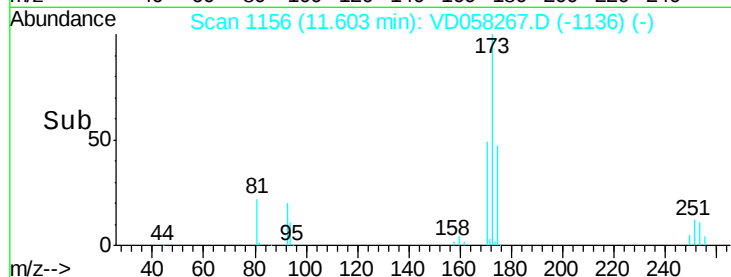
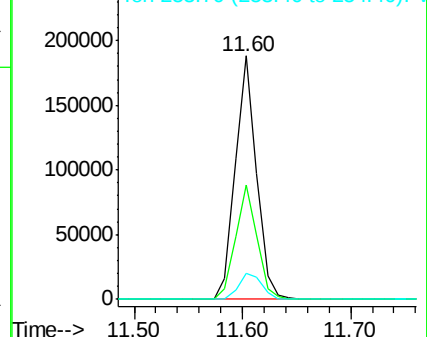
254 10.7 10.3 15.5



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: VD058267.D

Acq: 21 Jun 2018 22:12

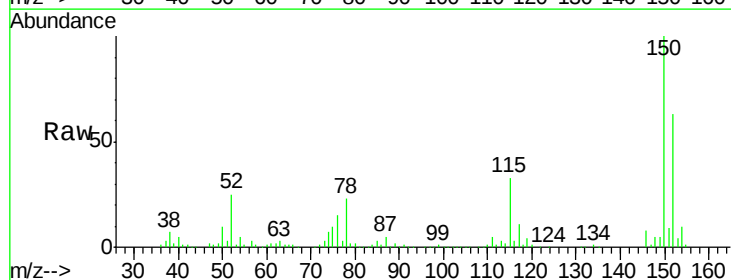
Tgt Ion:152 Resp: 456470

Ion Ratio Lower Upper

152 100

115 52.3 25.1 75.3

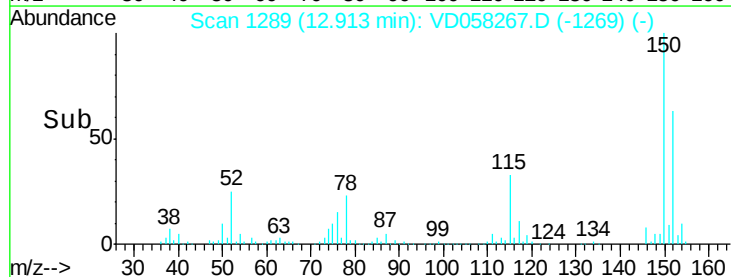
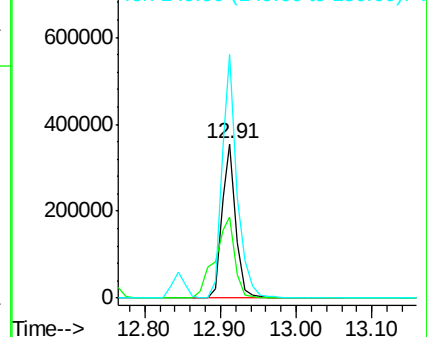
150 158.0 0.0 308.8

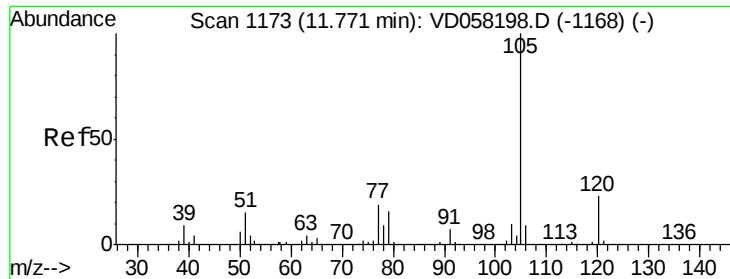


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.16 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

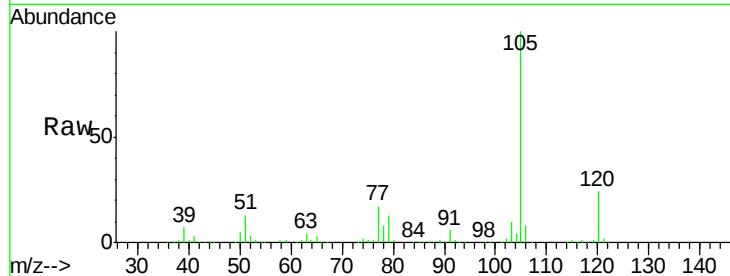
VSTDCCC050EC

Tot Ion:105 Resp: 1396787

Ion Ratio Lower Upper

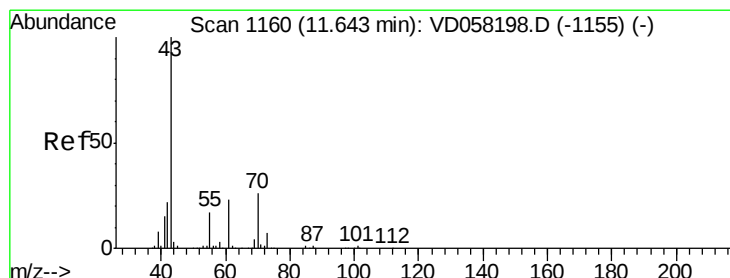
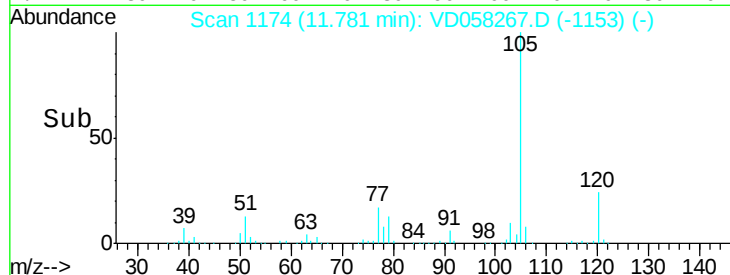
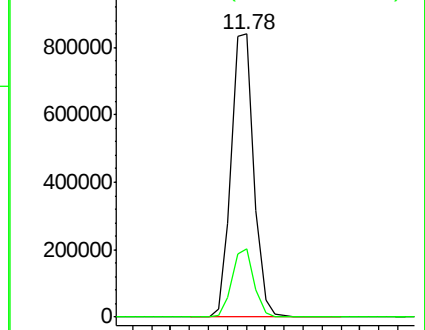
105 100

120 24.0 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: 50.80 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 536268

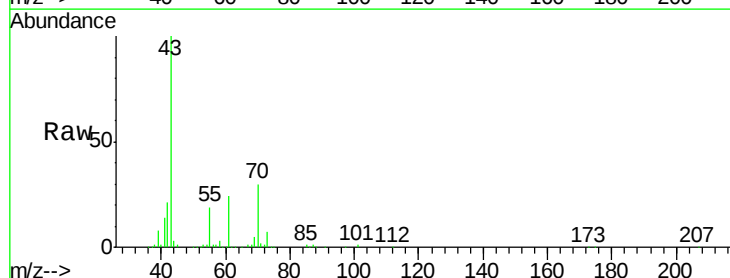
Ion Ratio Lower Upper

43 100

70 29.6 20.9 31.3

55 19.3 13.5 20.3

61 24.0 18.2 27.2

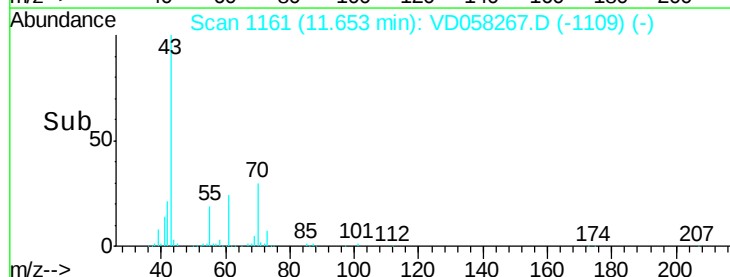
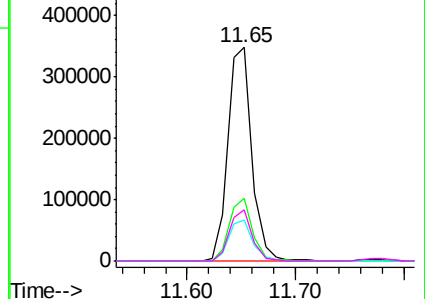


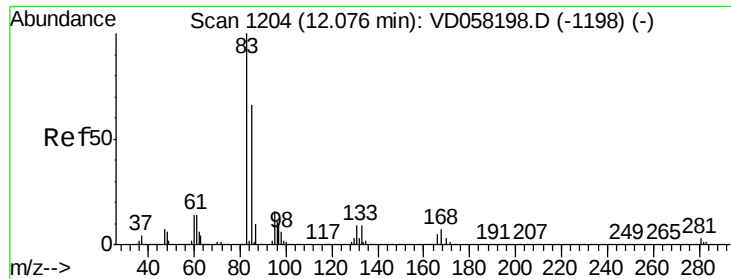
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 50.46 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

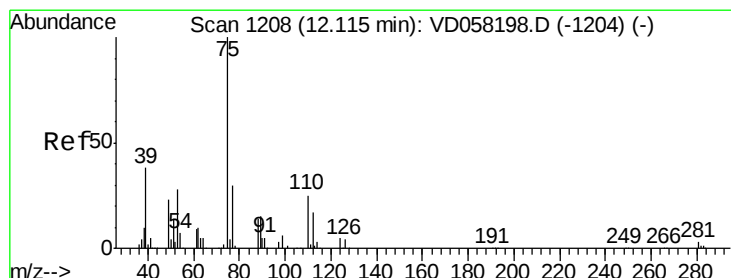
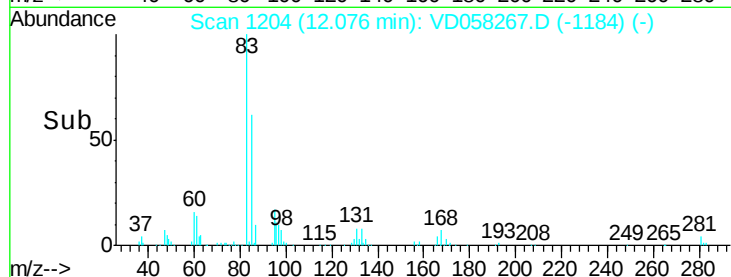
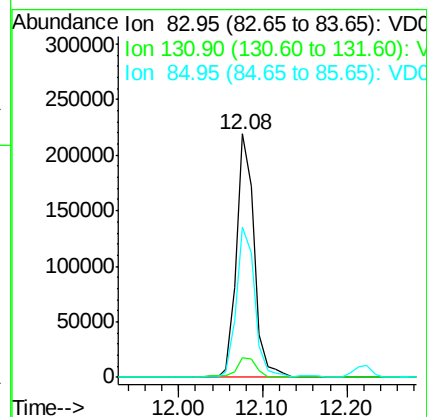
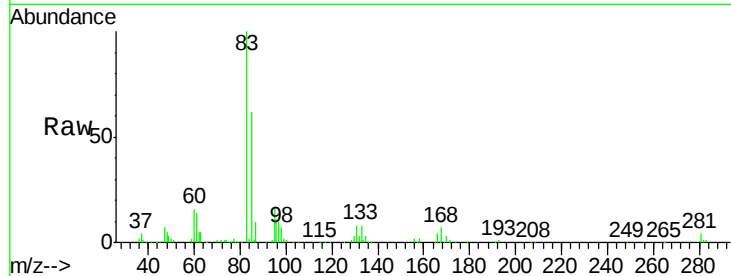
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 320588

Ion	Ratio	Lower	Upper
83	100		
131	7.8	4.8	14.3
85	61.8	33.1	99.5



#76

1,2,3-Trichloropropane

Concen: 49.44 ug/l

RT: 12.12 min Scan# 1208

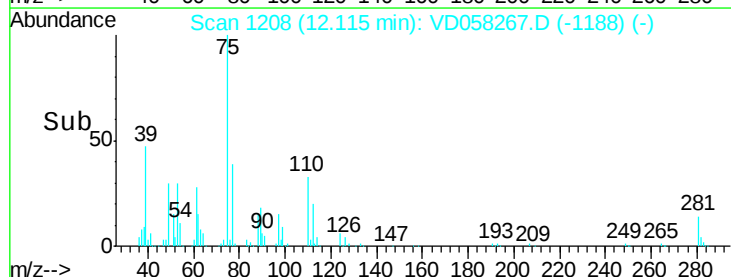
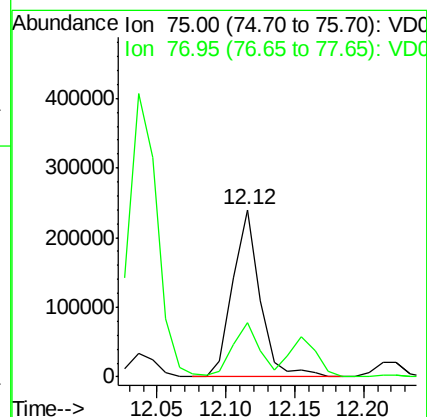
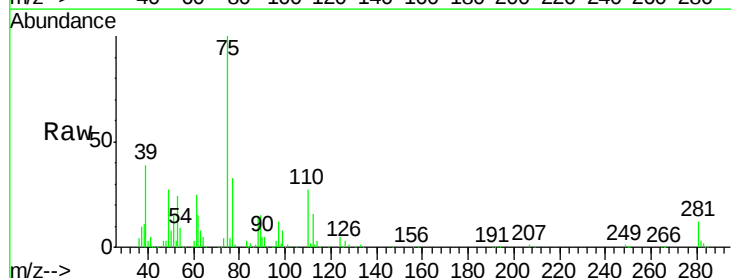
Delta R.T. 0.00 min

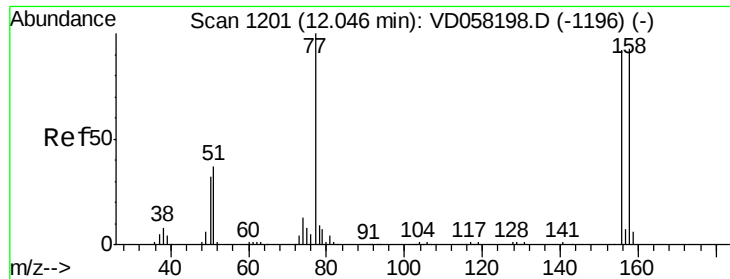
Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion: 75 Resp: 329517

Ion	Ratio	Lower	Upper
75	100		
77	32.6	16.0	47.9

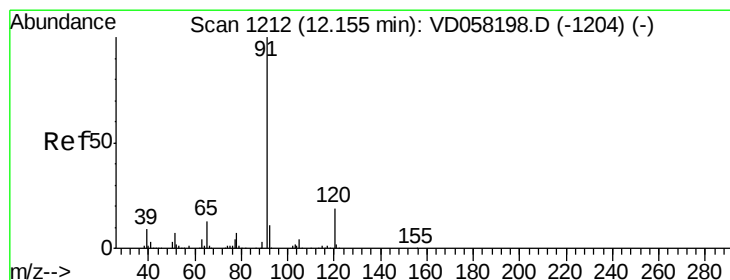
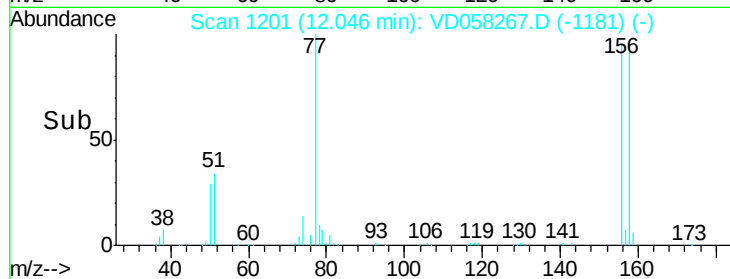
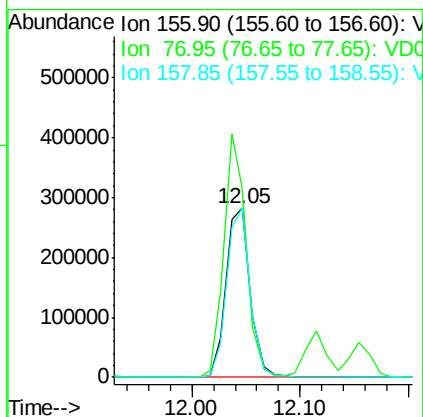
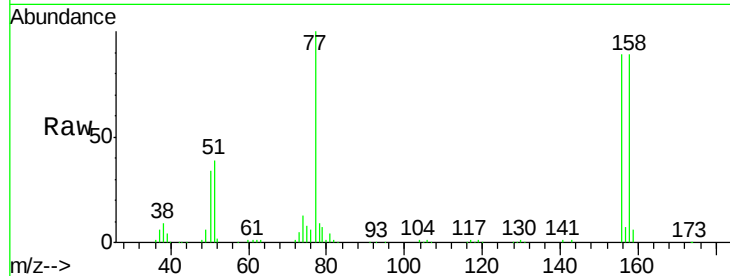




#77
Bromobenzene
Concen: 53.63 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

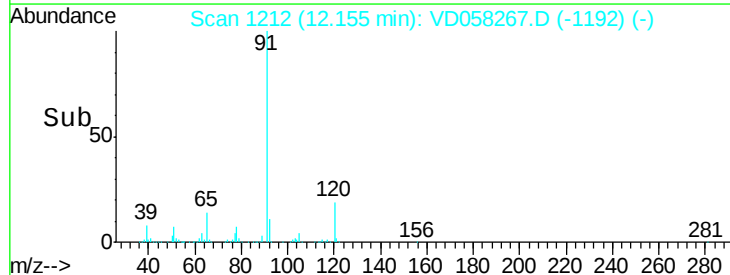
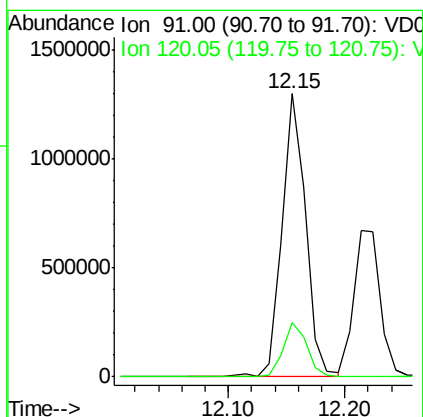
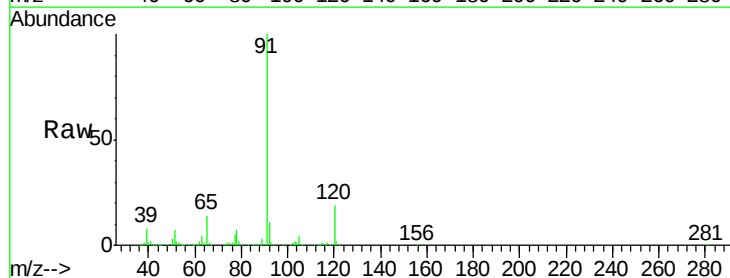
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

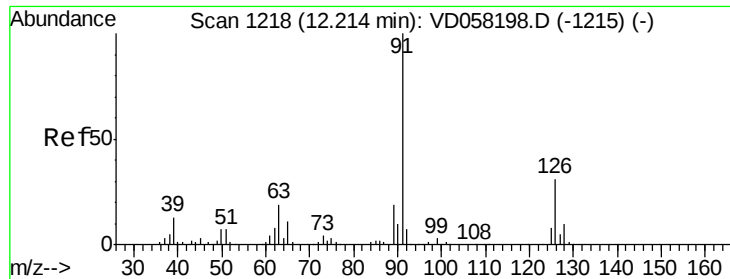
Tot Ion:156 Resp: 438519
Ion Ratio Lower Upper
156 100
77 111.7 54.5 163.6
158 99.9 50.8 152.5



#78
n-propylbenzene
Concen: 51.57 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 91 Resp: 1818515
Ion Ratio Lower Upper
91 100
120 19.3 9.7 29.1

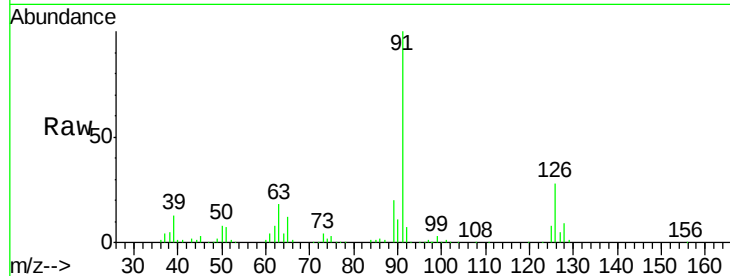




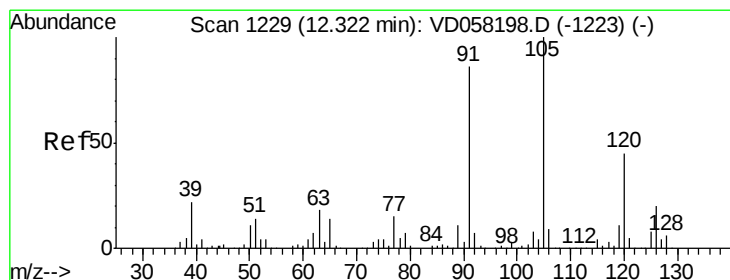
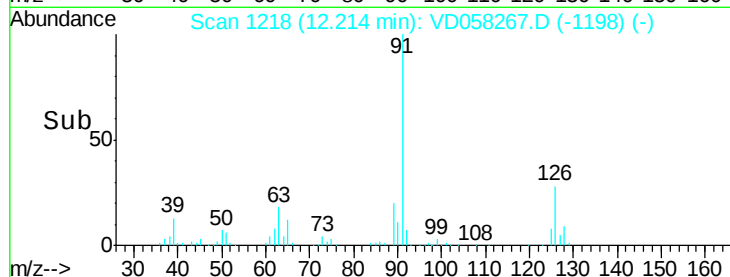
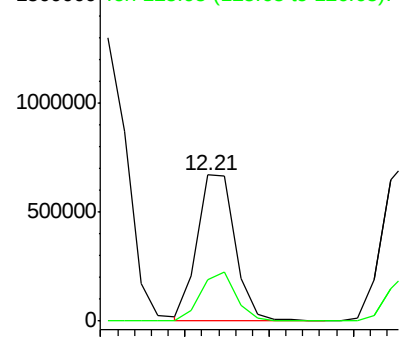
#79
 2-Chlorotoluene
 Concen: 51.66 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1042360
 Ion Ratio Lower Upper
 91 100
 126 28.2 14.9 44.5

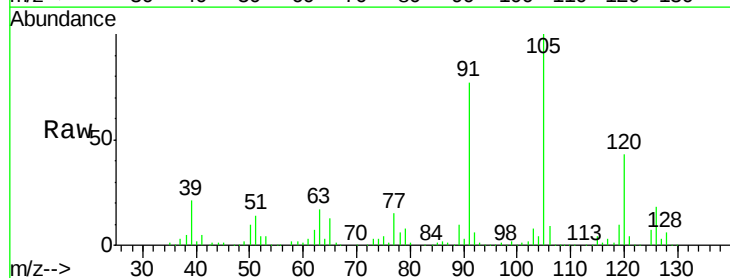


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

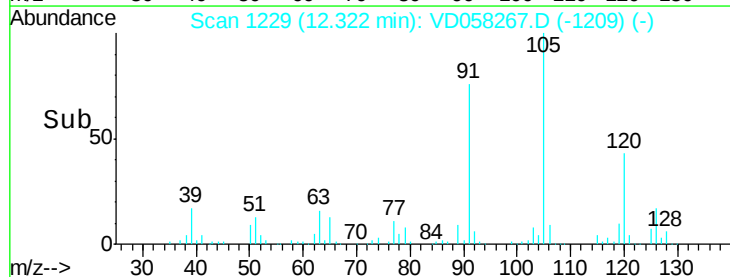
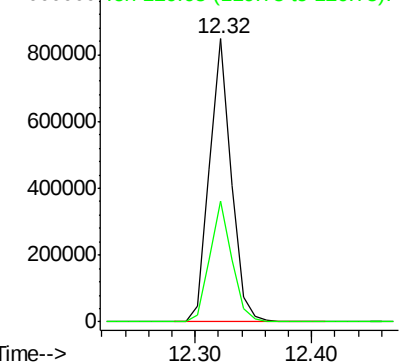


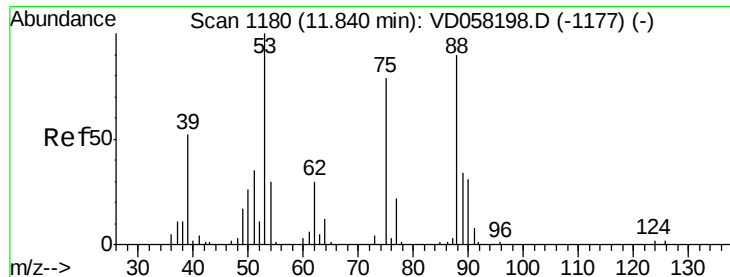
#80
 1,3,5-Trimethylbenzene
 Concen: 51.42 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 105 Resp: 1095123
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 49.52 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

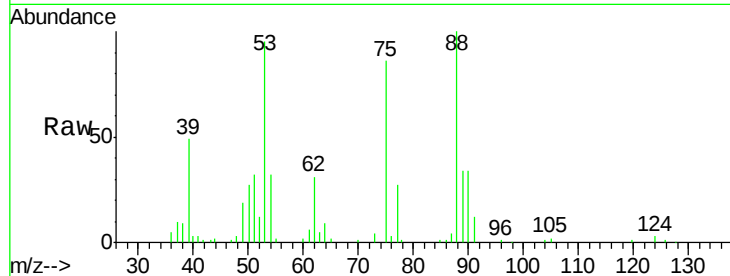
Tot Ion: 75 Resp: 80500

Ion Ratio Lower Upper

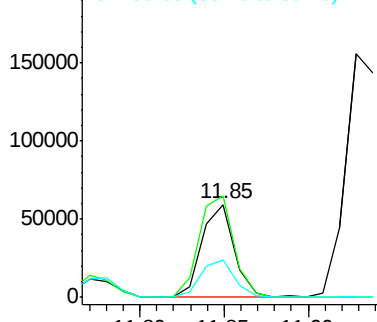
75 100

53 109.4 100.8 151.2

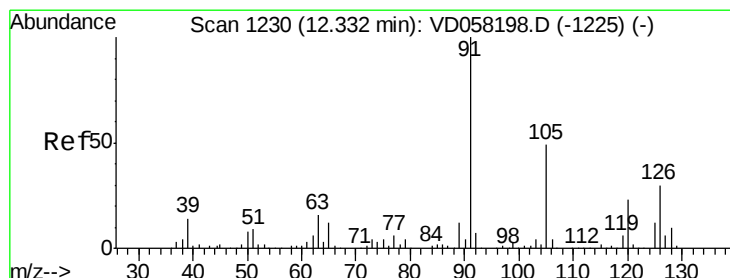
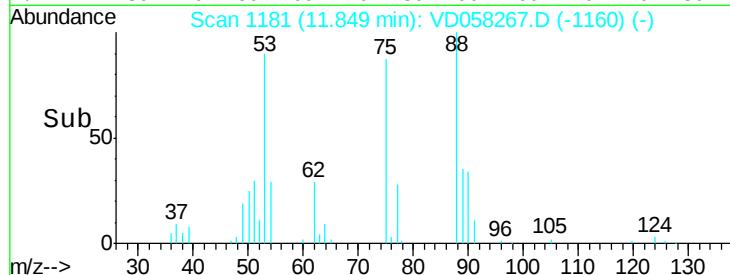
89 39.8 34.6 52.0



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



Time-->



#82

4-Chlorotoluene

Concen: 57.54 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058267.D

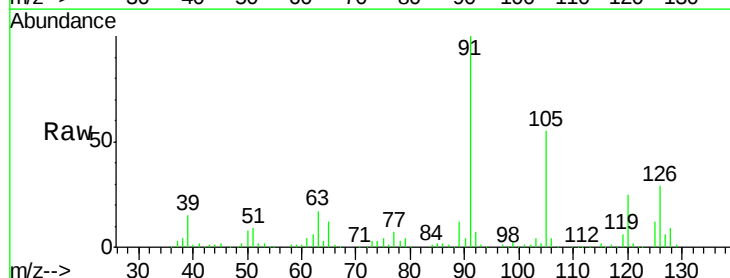
Acq: 21 Jun 2018 22:12

Tgt Ion: 91 Resp: 1115334

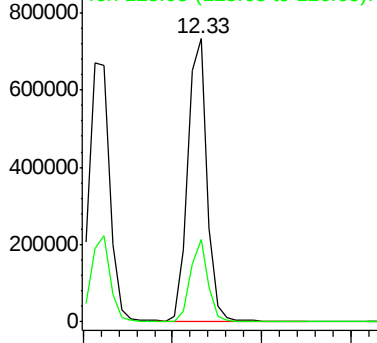
Ion Ratio Lower Upper

91 100

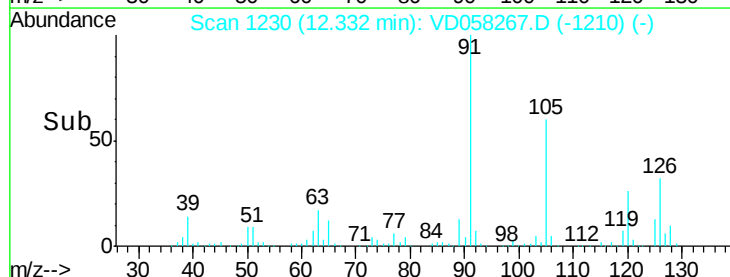
126 29.3 14.9 44.9



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



Time-->

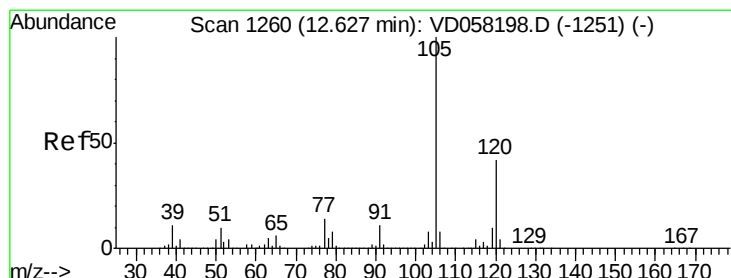
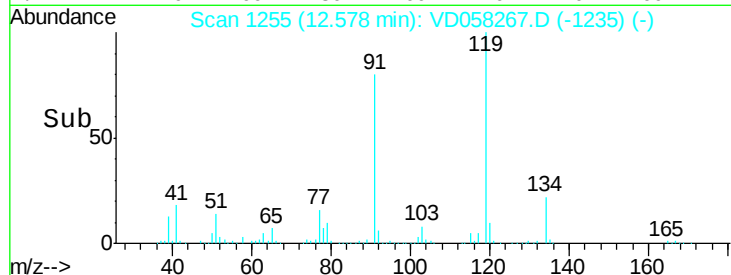
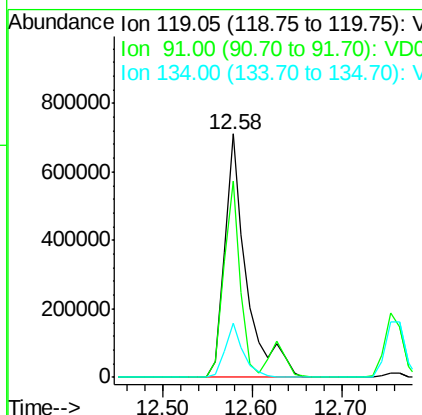
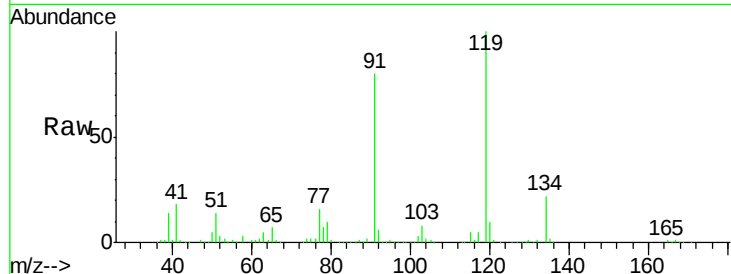




#83
tert-Butylbenzene
Concen: 49.88 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

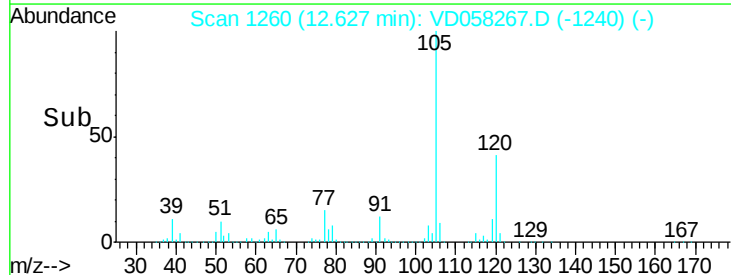
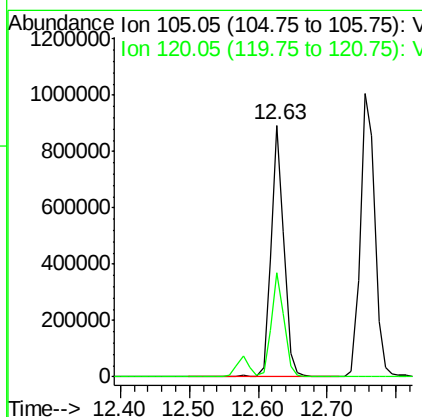
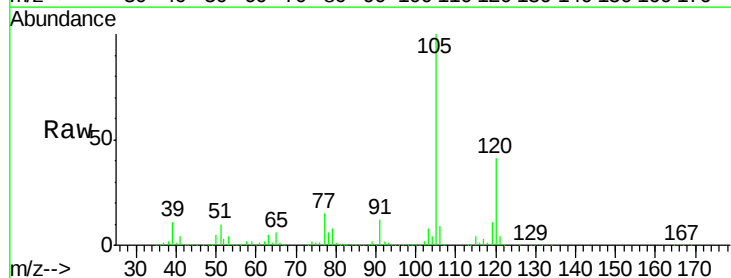
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

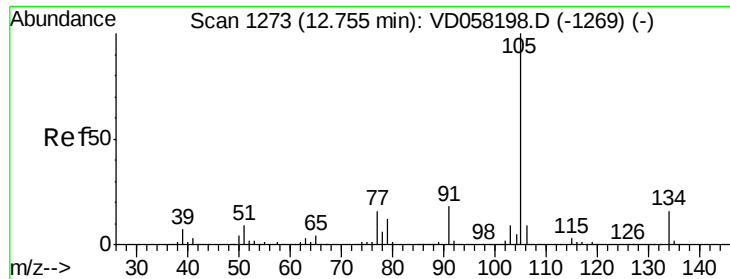
Tot Ion:119 Resp: 1221327
Ion Ratio Lower Upper
119 100
91 80.5 38.9 116.6
134 22.1 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 50.78 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:105 Resp: 1175485
Ion Ratio Lower Upper
105 100
120 41.5 20.8 62.4





#85

sec-Butylbenzene

Concen: 50.76 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

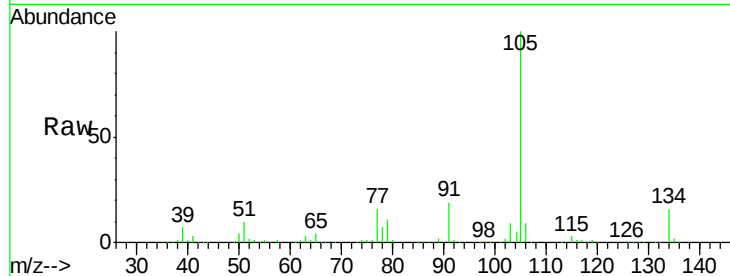
VSTDCCC050EC

Tot Ion:105 Resp: 1456719

Ion Ratio Lower Upper

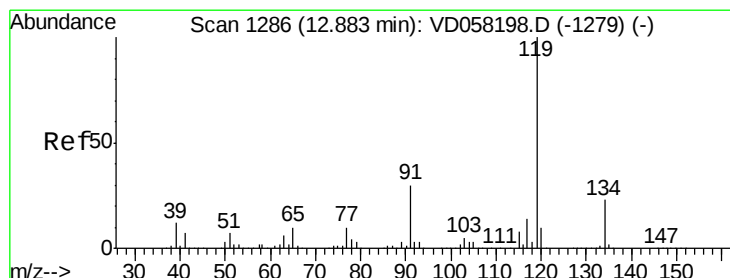
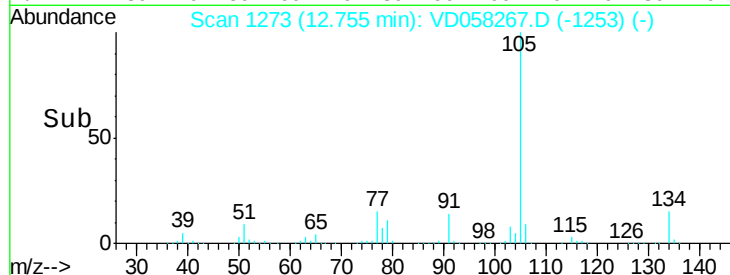
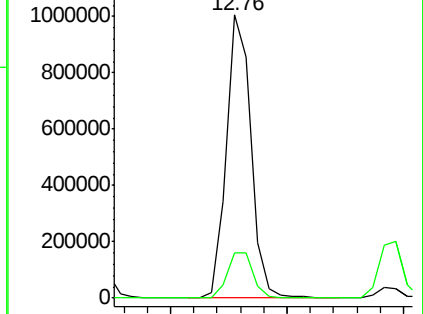
105 100

134 16.1 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: 52.16 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

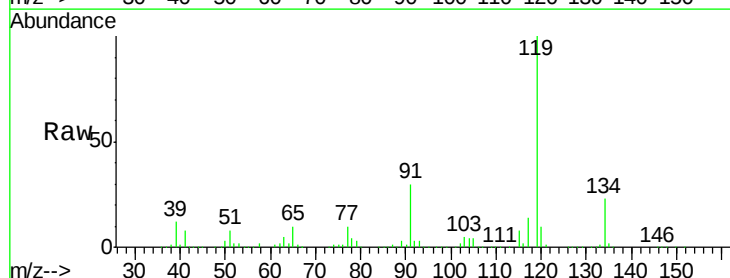
Tgt Ion:119 Resp: 1213031

Ion Ratio Lower Upper

119 100

134 22.7 11.6 34.8

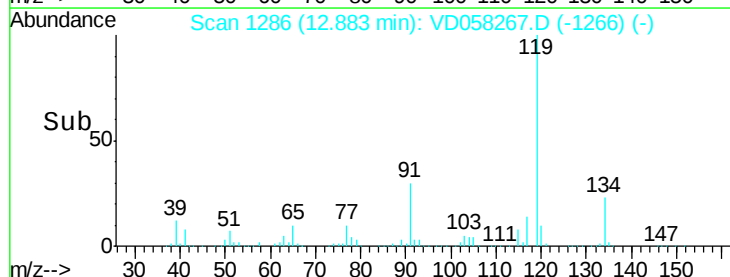
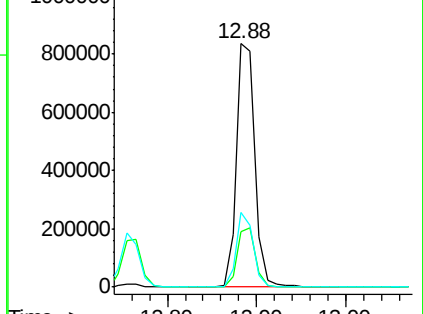
91 30.5 15.0 45.1

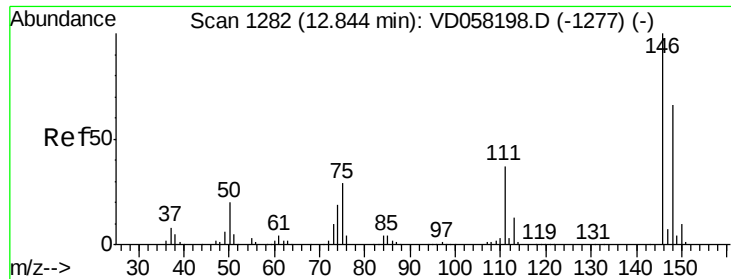


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

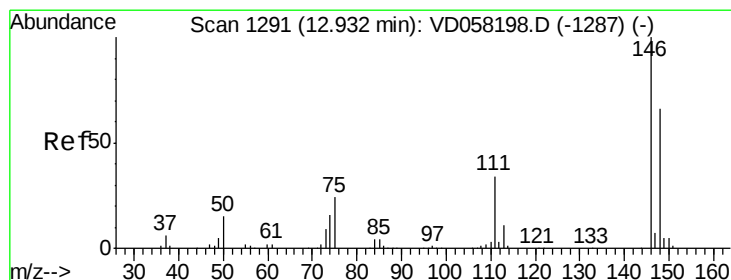
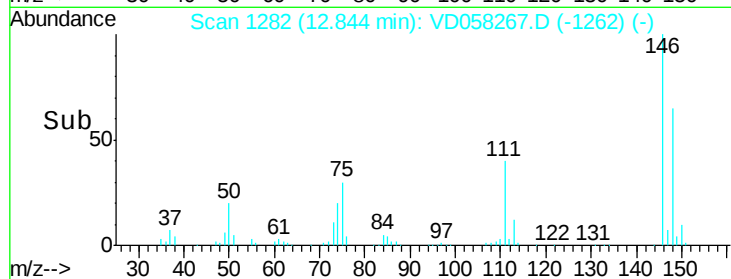
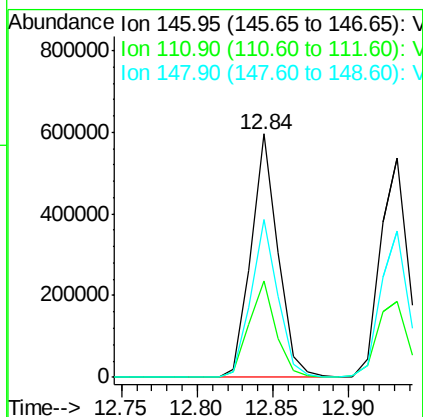
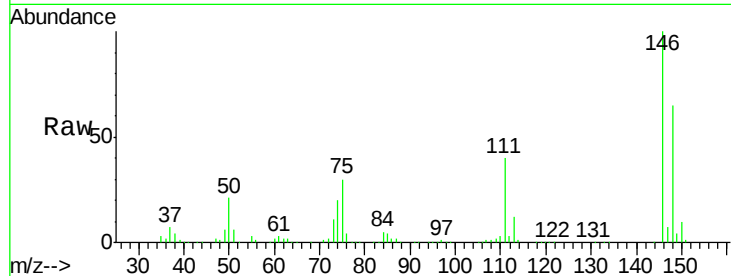




#87
 1,3-Dichlorobenzene
 Concen: 52.06 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

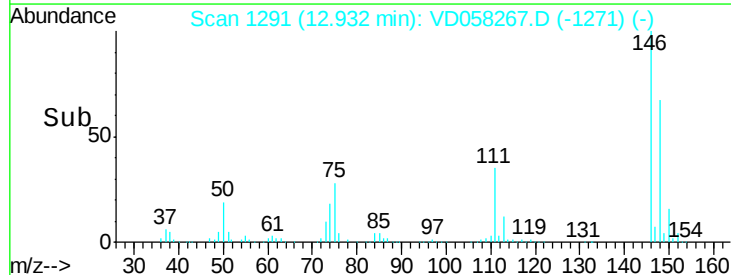
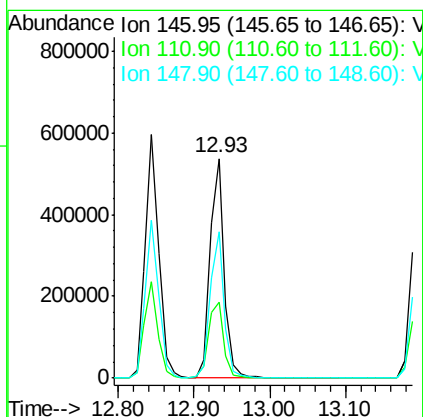
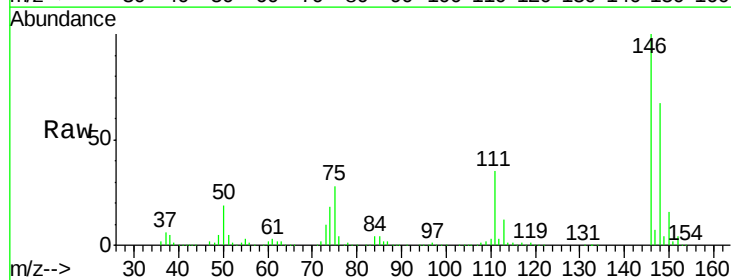
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

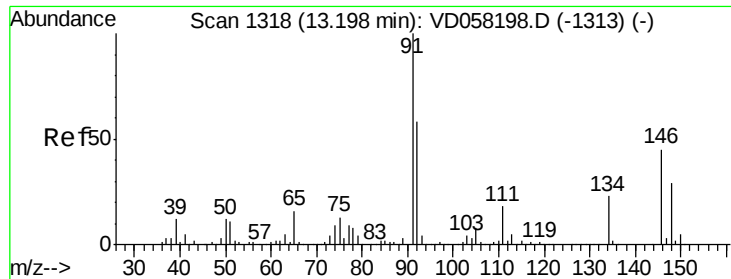
Tot Ion:146 Resp: 739764
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.4 55.0
 148 65.0 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.79 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:146 Resp: 704851
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.2 51.5
 148 66.5 33.1 99.3

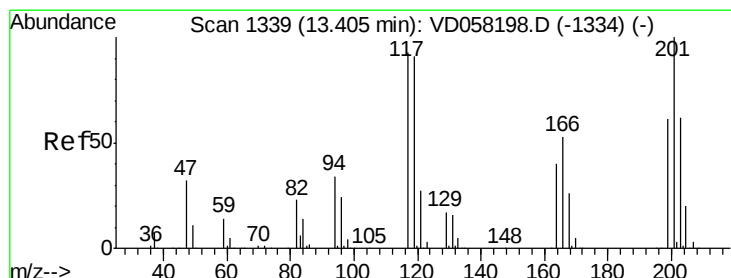
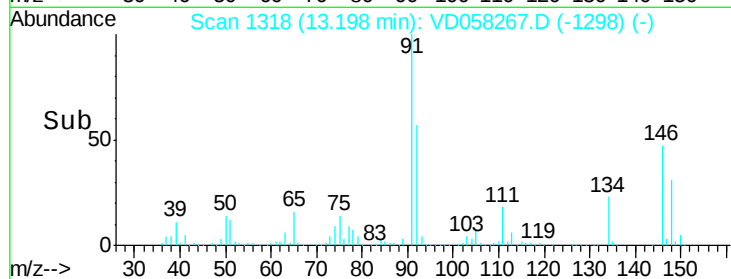
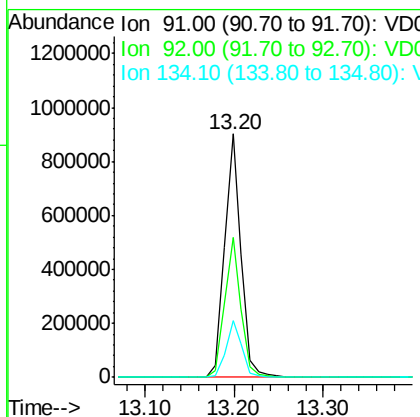
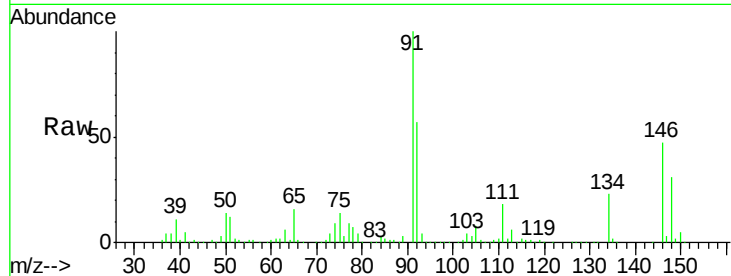




#89
n-Butylbenzene
Concen: 48.26 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

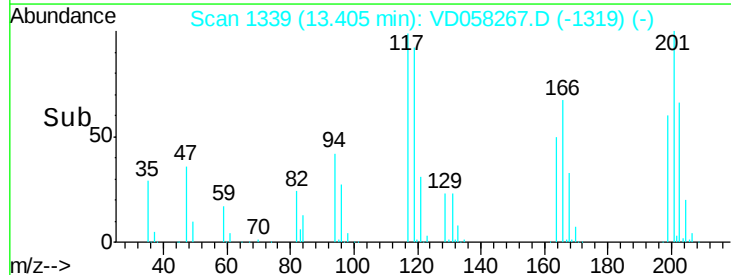
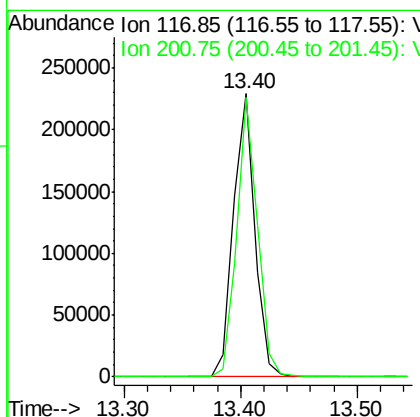
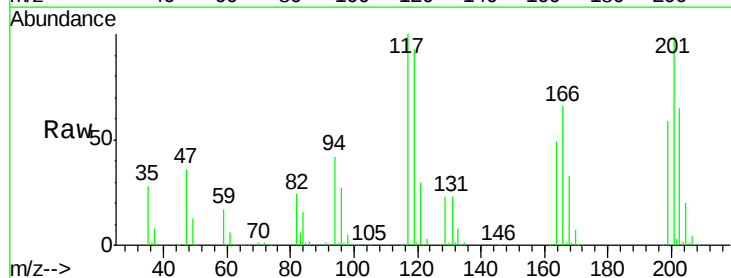
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

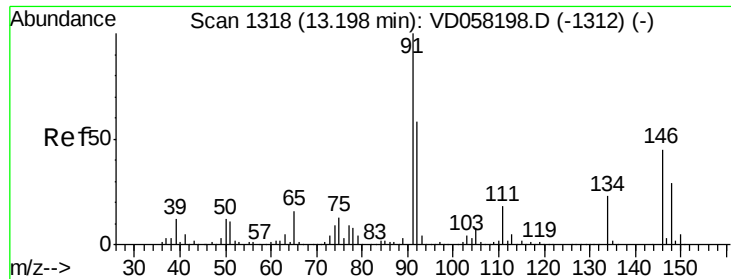
Tot Ion: 91 Resp: 1179600
Ion Ratio Lower Upper
91 100
92 57.3 29.2 87.6
134 23.1 11.3 33.8



#90
Hexachloroethane
Concen: 48.11 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 117 Resp: 290413
Ion Ratio Lower Upper
117 100
201 98.7 53.8 161.4

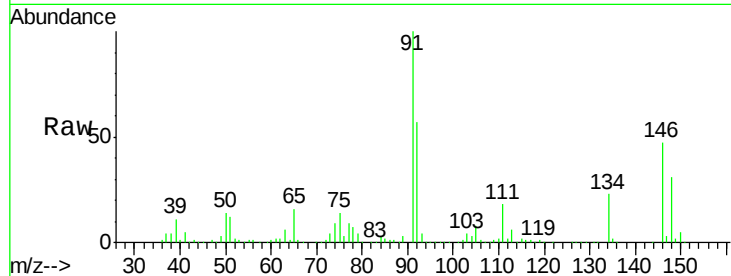




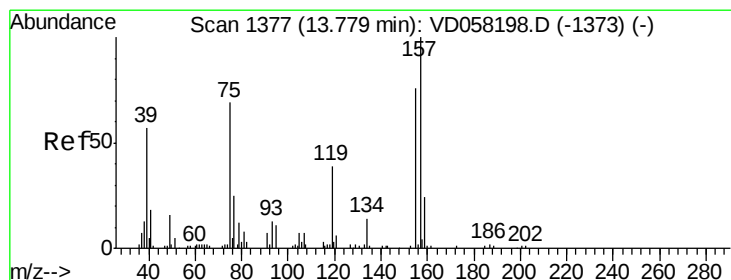
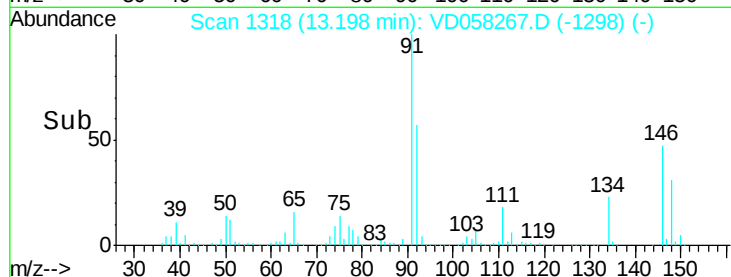
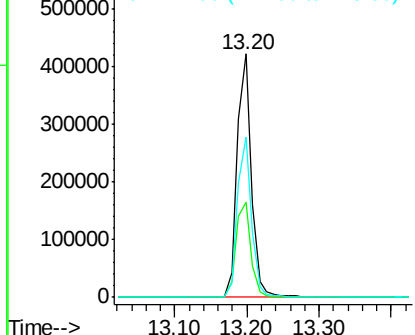
#91
 1,2-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 586748
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.7
 148 66.1 32.0 96.2

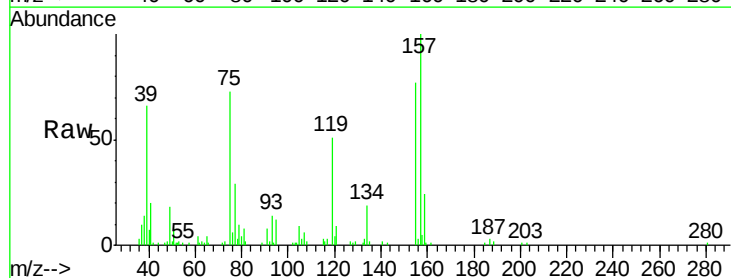


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

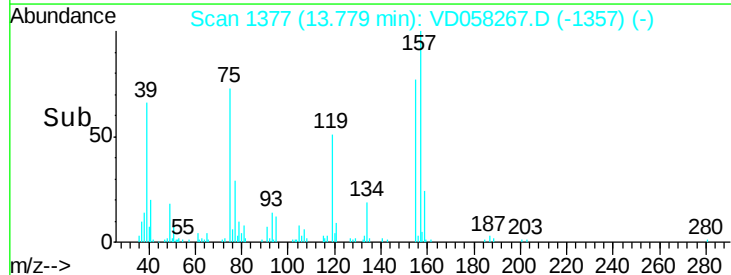
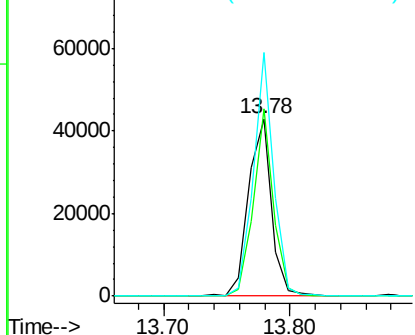


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.90 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 75 Resp: 54504
 Ion Ratio Lower Upper
 75 100
 155 105.4 54.5 163.5
 157 137.2 72.0 215.9



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

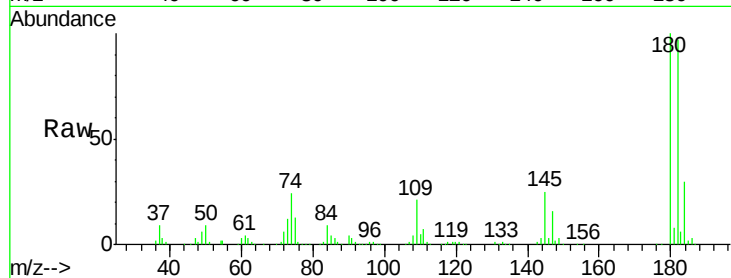




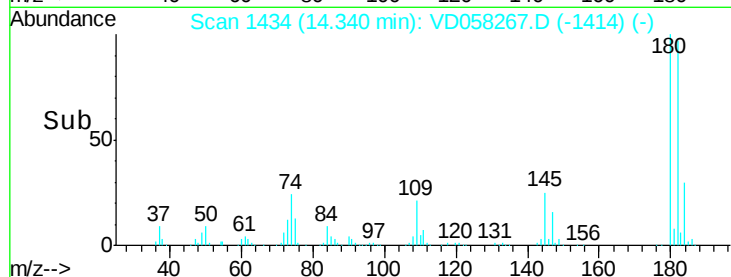
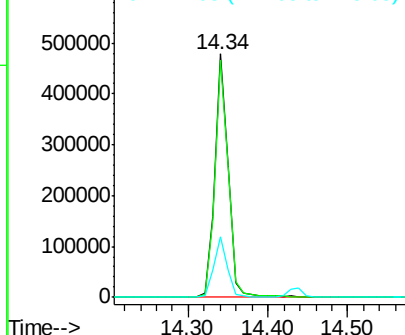
#93
 1,2,4-Trichlorobenzene
 Concen: 49.61 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 573769
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.1 141.3
 145 24.9 11.7 35.0

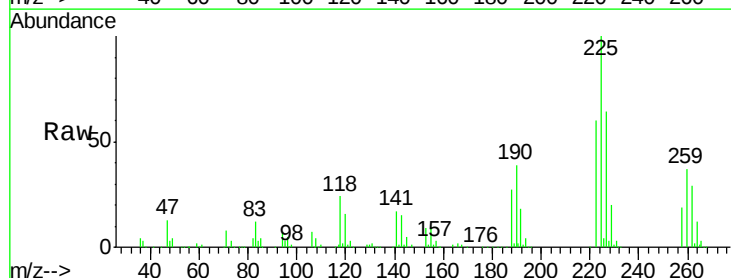


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

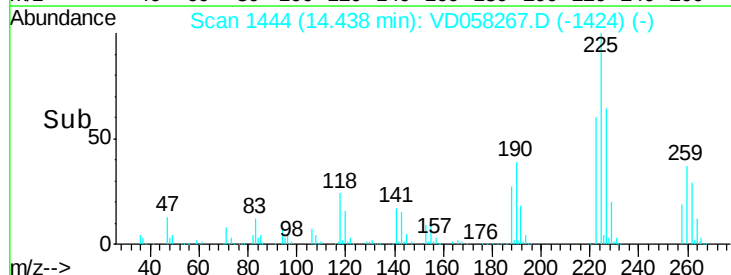
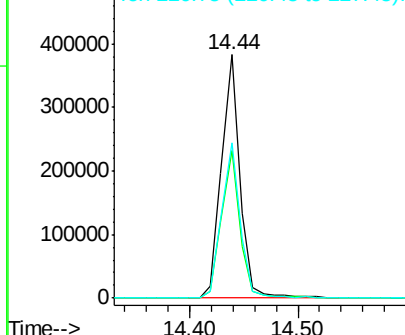


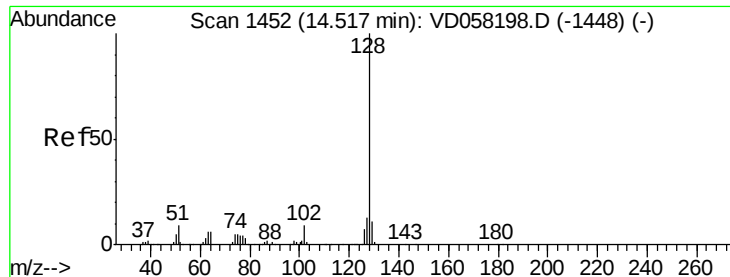
#94
 Hexachlorobutadiene
 Concen: 50.47 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:225 Resp: 456596
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.1 90.3
 227 63.7 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: 52.48 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

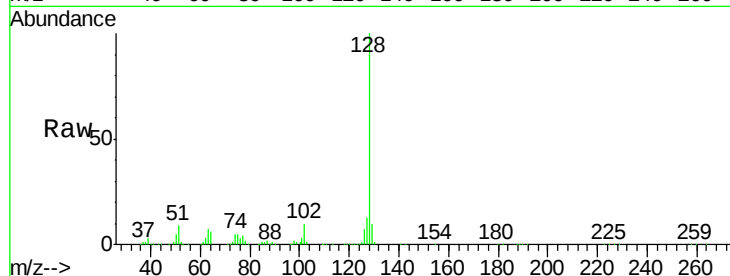
Tot Ion:128 Resp: 799558

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

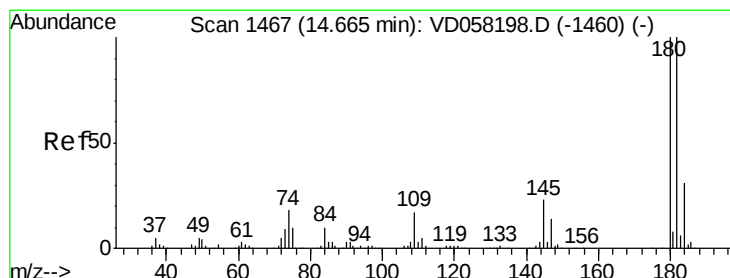
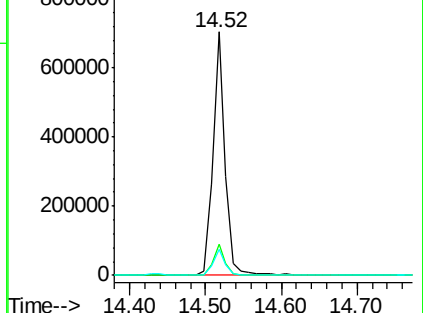
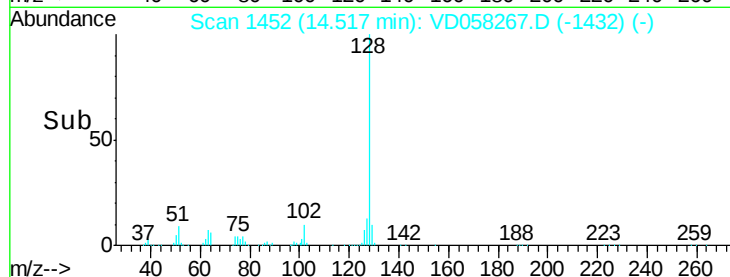
129 10.4 8.7 13.1



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: 50.32 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

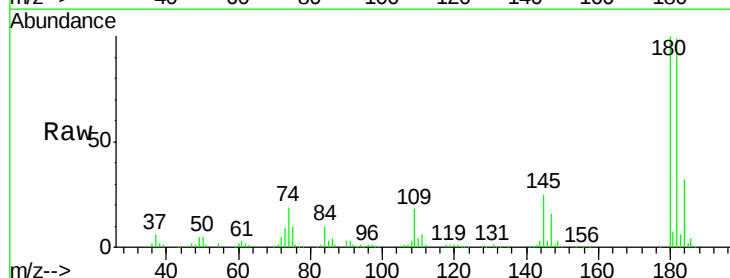
Tgt Ion:180 Resp: 509474

Ion Ratio Lower Upper

180 100

182 98.6 49.9 149.6

145 25.2 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

