

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058292.D
 Acq On : 22 Jun 2018 12:32
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 22 14:57:33 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	886843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1189290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	931635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	470934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	518391	57.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.74%	
35) Dibromofluoromethane	5.55	113	537156	55.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.98%	
50) Toluene-d8	8.70	98	1250749	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	11.93	95	519820	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	475810	58.06	ug/l	100
3) Chloromethane	1.49	50	187904	48.42	ug/l	100
4) Vinyl Chloride	1.55	62	194880	41.95	ug/l	95
5) Bromomethane	1.80	94	89243	59.18	ug/l	94
6) Chloroethane	1.89	64	113910	71.64	ug/l	94
7) Trichlorofluoromethane	2.09	101	400398	62.86	ug/l	98
8) Diethyl Ether	2.34	74	60423	44.85	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.56	101	231212	57.10	ug/l	95
10) Methyl Iodide	2.70	142	231738	50.31	ug/l	93
11) Tert butyl alcohol	3.26	59	68901	233.21	ug/l #	84
12) 1,1-Dichloroethene	2.55	96	164384	53.95	ug/l	96
13) Acrolein	2.47	56	22863	135.56	ug/l	90
14) Allyl chloride	2.92	41	334709	47.20	ug/l #	91
15) Acrylonitrile	3.36	53	236399	301.77	ug/l	91
16) Acetone	2.62	43	337867	275.80	ug/l	100
17) Carbon Disulfide	2.76	76	455091	43.90	ug/l	99
18) Methyl Acetate	2.93	43	113202	43.33	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	738235	91.35	ug/l	97
20) Methylene Chloride	3.07	84	163446	51.22	ug/l	89
21) trans-1,2-Dichloroethene	3.39	96	320485	96.25	ug/l	91
22) Diisopropyl ether	4.07	45	1350771	47.96	ug/l	98
23) Vinyl Acetate	4.02	43	3742740	247.90	ug/l	100
24) 1,1-Dichloroethane	3.98	63	823379	54.26	ug/l	98
25) 2-Butanone	4.83	43	644195	241.27	ug/l	97
26) 2,2-Dichloropropane	4.79	77	714563	56.24	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	453966	54.56	ug/l	98
28) Bromochloromethane	5.15	49	344955	50.71	ug/l #	95
29) Tetrahydrofuran	5.19	42	310684	218.61	ug/l	94
30) Chloroform	5.32	83	891688	55.67	ug/l	97
31) Cyclohexane	5.59	56	588509	53.82	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	719542	54.37	ug/l	98
36) 1,1-Dichloropropene	5.75	75	606440	51.55	ug/l	98
37) Ethyl Acetate	4.93	43	297429	44.37	ug/l	96
38) Carbon Tetrachloride	5.73	117	621574	53.17	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	583950	50.96	ug/l	92
40) Benzene	6.01	78	1419417	50.65	ug/l	99
41) Methacrylonitrile	5.13	41	163031	50.37	ug/l	92
42) 1,2-Dichloroethane	6.13	62	582163	51.52	ug/l	100
43) Isopropyl Acetate	7.62	43	392762	43.95	ug/l #	97
44) Trichloroethene	6.98	130	442622	52.60	ug/l	99
45) 1,2-Dichloropropane	7.34	63	384625	50.96	ug/l	98
46) Dibromomethane	7.46	93	267383	51.89	ug/l	91
47) Bromodichloromethane	7.74	83	644170	54.82	ug/l	99
48) Methyl methacrylate	7.50	41	239994	44.18	ug/l	98
49) 1,4-Dioxane	7.48	88	49158	1002.61	ug/l	89
51) 4-Methyl-2-Pentanone	8.59	43	1336541	229.28	ug/l	99
52) Toluene	8.80	92	777107	48.70	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	552544	54.09	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	635962	53.10	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	281970	49.94	ug/l	98
56) Ethyl methacrylate	9.31	69	326057	48.29	ug/l	97
57) 1,3-Dichloropropane	9.67	76	490068	51.53	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	780806	233.58	ug/l	95
59) 2-Hexanone	9.78	43	1020283	242.22	ug/l	97
60) Dibromochloromethane	9.95	129	417806	54.53	ug/l	97
61) 1,2-Dibromoethane	10.09	107	317041	51.30	ug/l	99
64) Tetrachloroethene	9.51	164	413567	52.76	ug/l	97
65) Chlorobenzene	10.72	112	898847	51.58	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	356841	53.06	ug/l	96
67) Ethyl Benzene	10.86	91	1541551	50.11	ug/l	98
68) m/p-Xylenes	11.01	106	1009811	98.42	ug/l	97
69) o-Xylene	11.40	106	497416	50.76	ug/l	93
70) Styrene	11.43	104	831850	49.75	ug/l	95
71) Bromoform	11.60	173	290926	54.23	ug/l	98
73) Isopropylbenzene	11.77	105	1428297	50.71	ug/l	100
74) N-amyl acetate	11.64	43	549229	50.43	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	338775	51.68	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	343319	49.93	ug/l	99
77) Bromobenzene	12.04	156	454134	53.84	ug/l	89
78) n-propylbenzene	12.16	91	1919611	52.77	ug/l	98
79) 2-Chlorotoluene	12.22	91	1116089	53.62	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1070205	48.71	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	89155	53.16	ug/l	93
82) 4-Chlorotoluene	12.32	91	1158064	57.95	ug/l	93
83) tert-Butylbenzene	12.57	119	1316409	52.11	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	1222987	51.21	ug/l	99
85) sec-Butylbenzene	12.76	105	1542907	52.11	ug/l	96
86) p-Isopropyltoluene	12.89	119	1261130	52.56	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	750993	51.22	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	733962	51.27	ug/l	96
89) n-Butylbenzene	13.19	91	1281241	50.81	ug/l	96
90) Hexachloroethane	13.40	117	350028	56.21	ug/l	81
91) 1,2-Dichlorobenzene	13.19	146	606758	48.63	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	55655	53.35	ug/l	74

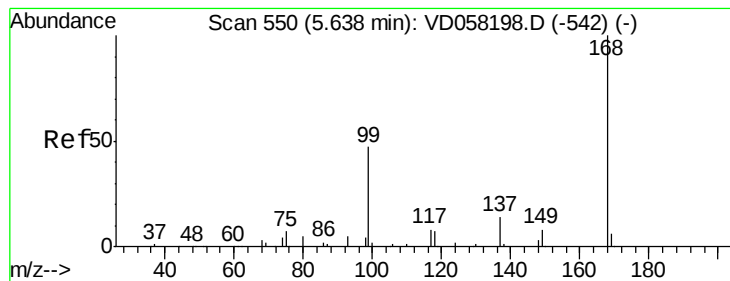
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058292.D
Acq On : 22 Jun 2018 12:32
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	616159	51.64	ug/l	98
94) Hexachlorobutadiene	14.43	225	484681	51.93	ug/l	98
95) Naphthalene	14.51	128	780922	49.68	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	534047	51.12	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: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

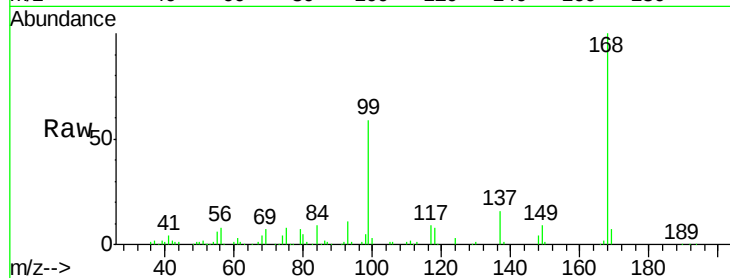
VSTDCCC050

Tot Ion:168 Resp: 886843

Ion Ratio Lower Upper

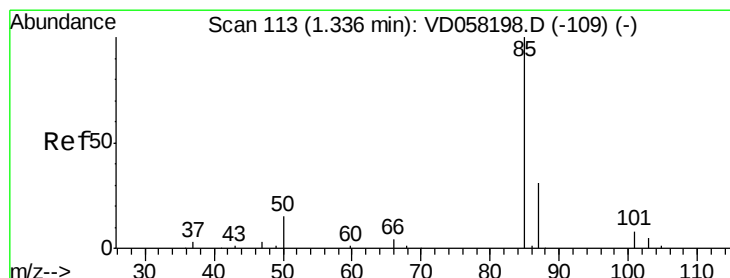
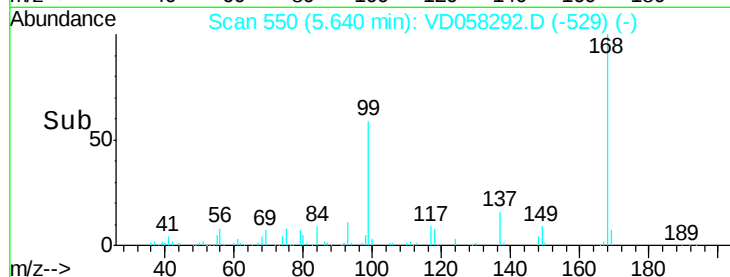
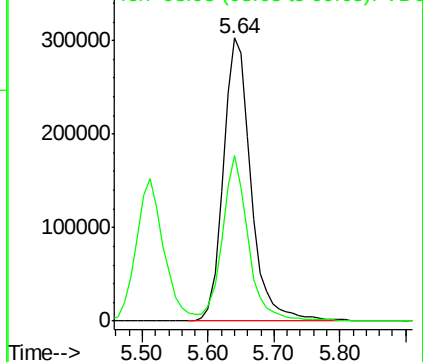
168 100

99 58.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 58.06 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058292.D

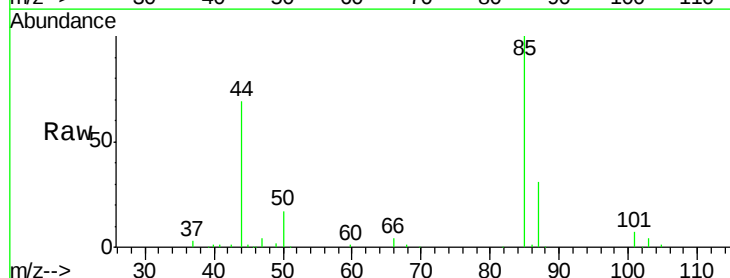
Acq: 22 Jun 2018 12:32

Tgt Ion: 85 Resp: 475810

Ion Ratio Lower Upper

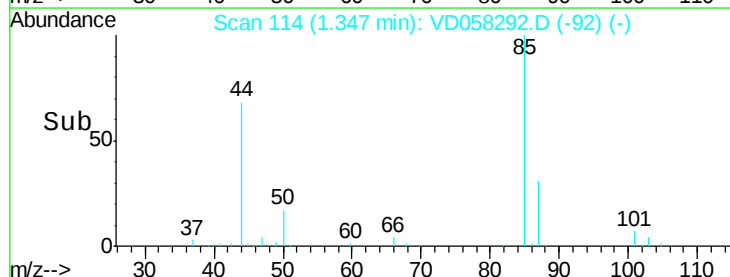
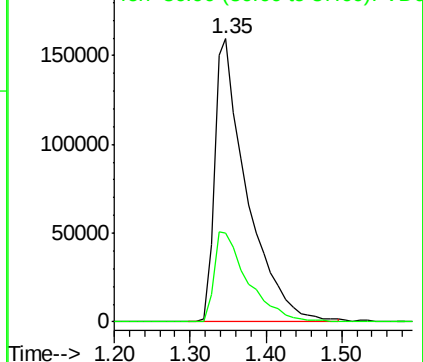
85 100

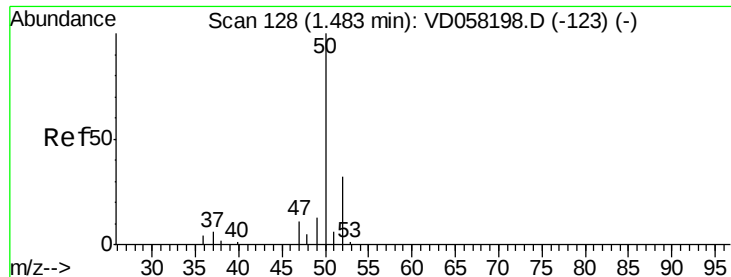
87 31.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.42 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

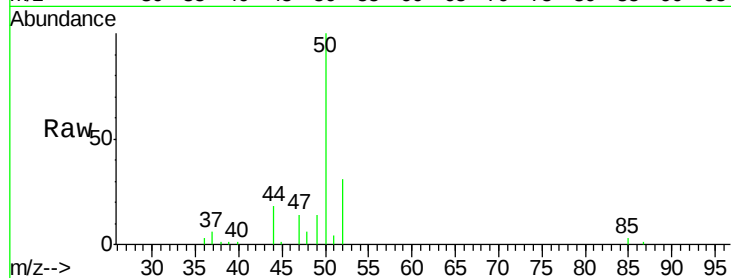
VSTDCCC050

Tot Ion: 50 Resp: 187904

Ion Ratio Lower Upper

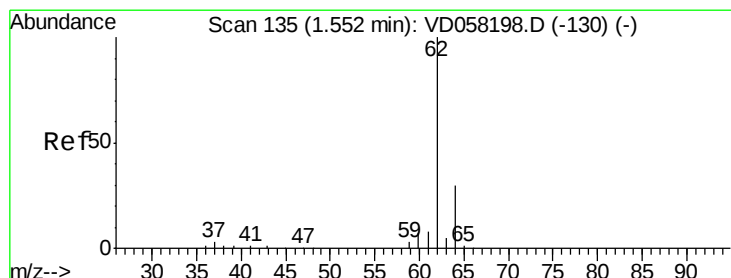
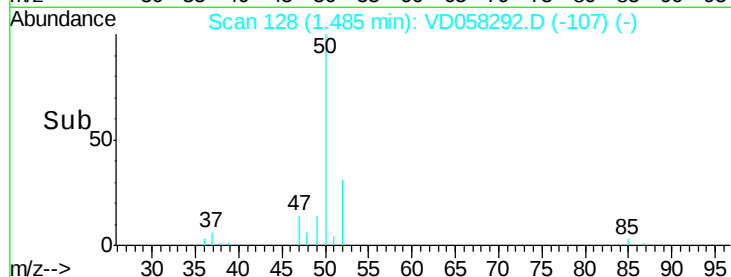
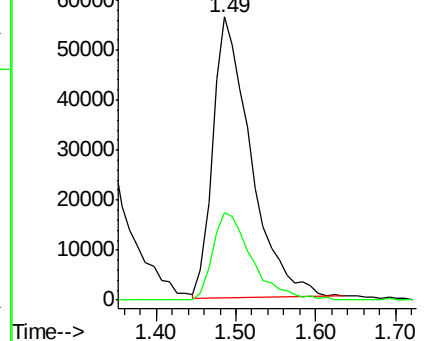
50 100

52 31.1 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: 41.95 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058292.D

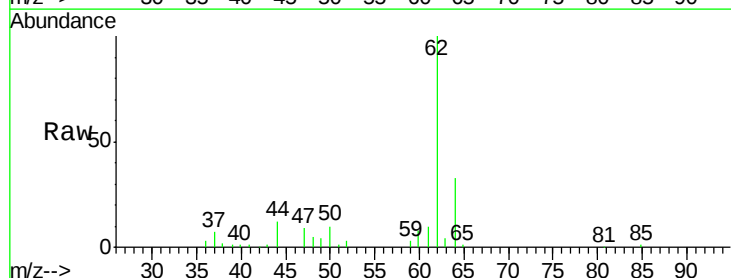
Acq: 22 Jun 2018 12:32

Tgt Ion: 62 Resp: 194880

Ion Ratio Lower Upper

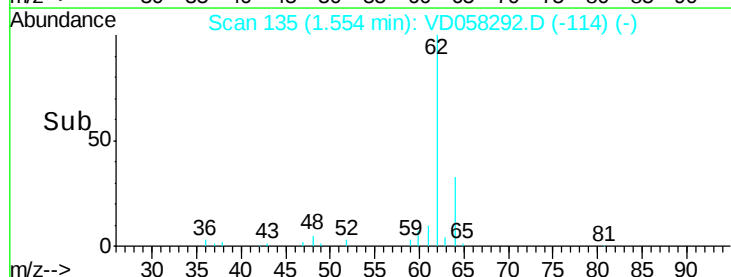
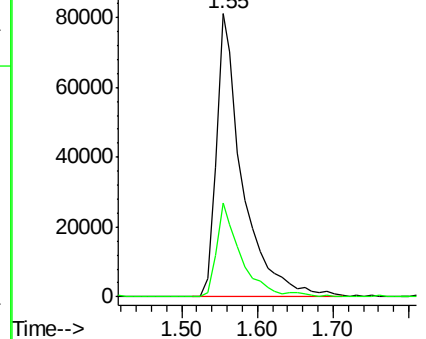
62 100

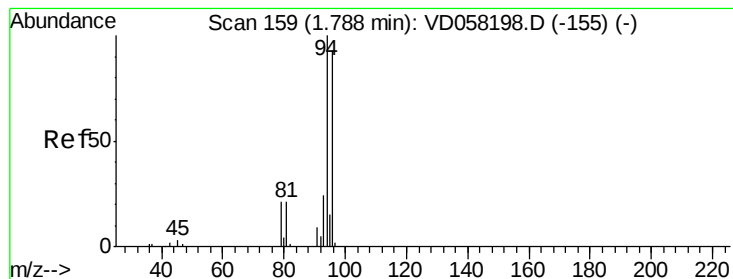
64 33.2 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.18 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

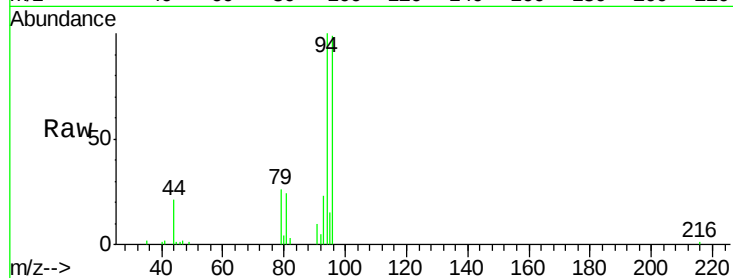
VSTDCCC050

Tot Ion: 94 Resp: 89243

Ion Ratio Lower Upper

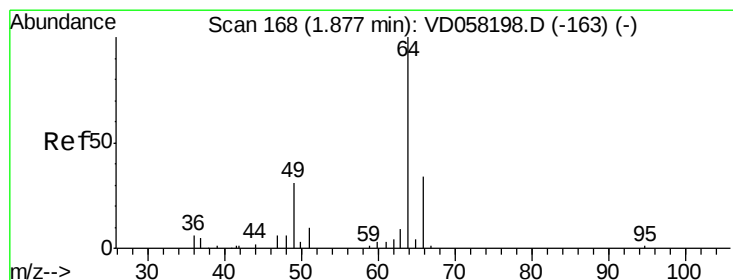
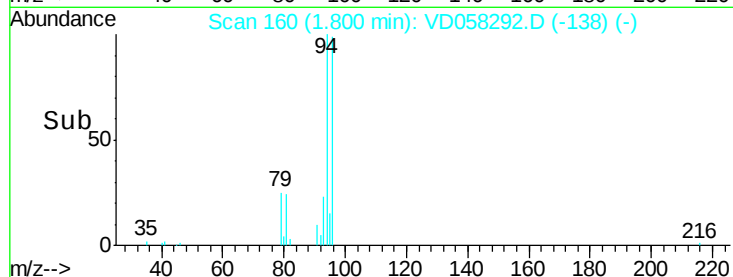
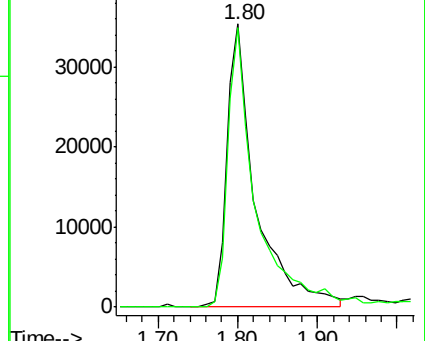
94 100

96 98.7 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: 71.64 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058292.D

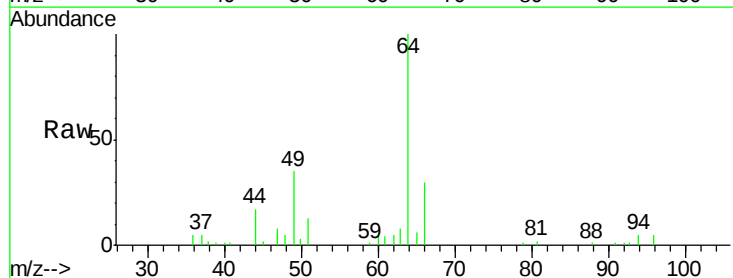
Acq: 22 Jun 2018 12:32

Tgt Ion: 64 Resp: 113910

Ion Ratio Lower Upper

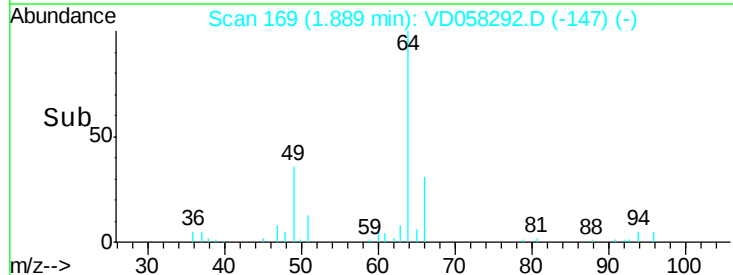
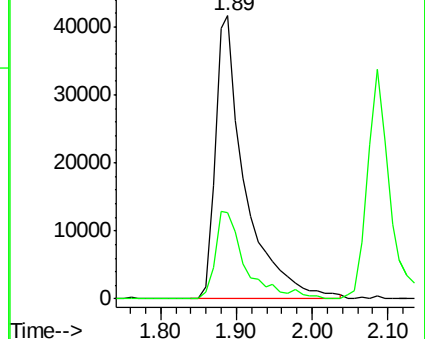
64 100

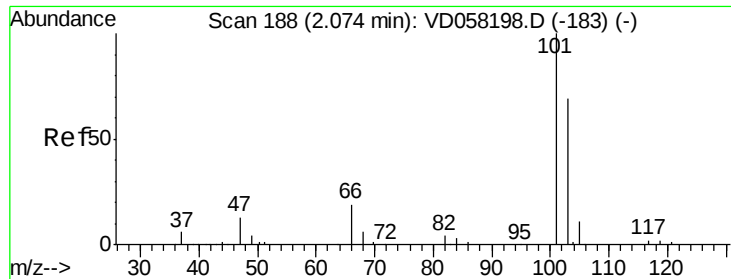
66 30.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



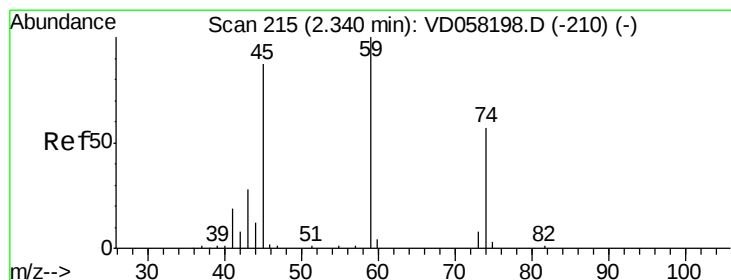
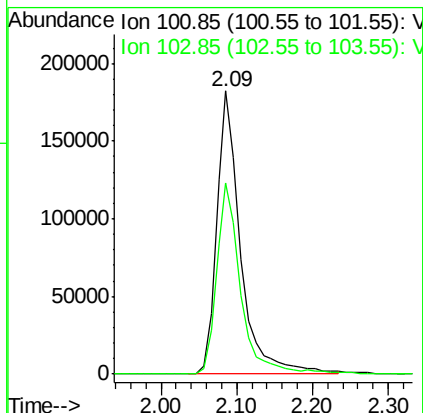
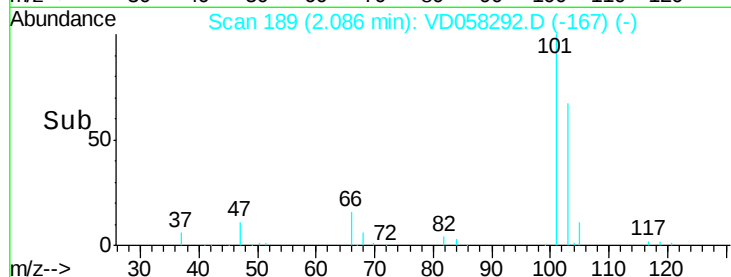
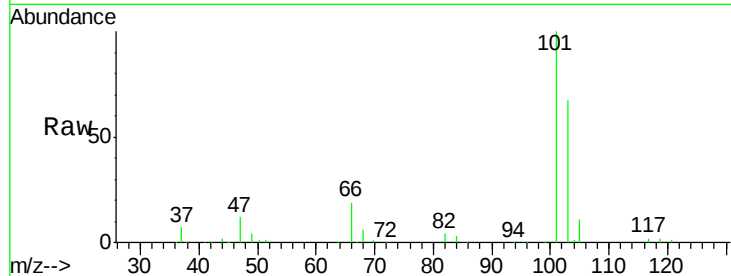


#7

Trichlorofluoromethane
 Concen: 62.86 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

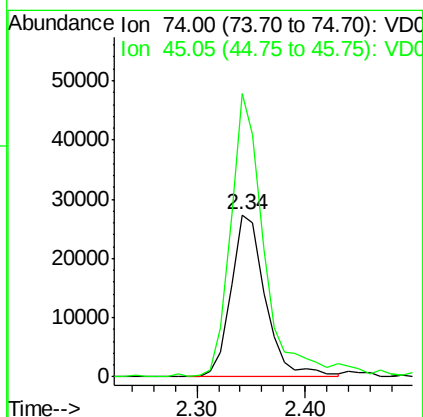
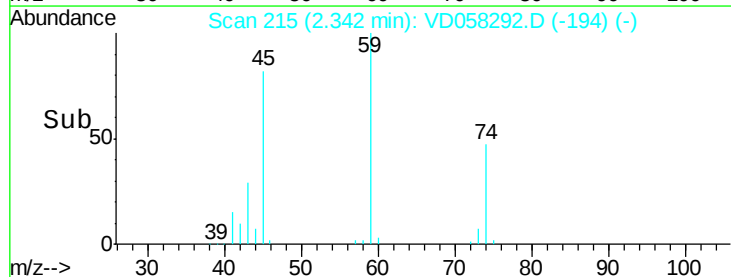
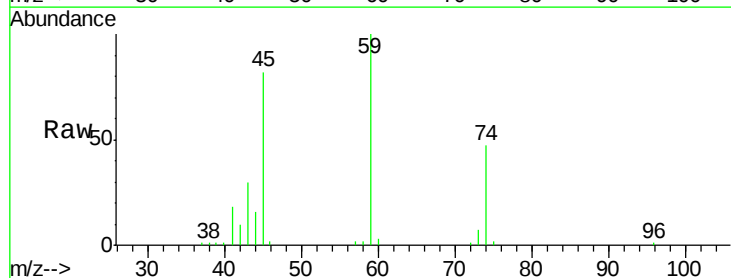
Tot Ion:101 Resp: 400398
 Ion Ratio Lower Upper
 101 100
 103 67.4 55.1 82.7



#8

Diethyl Ether
 Concen: 44.85 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 74 Resp: 60423
 Ion Ratio Lower Upper
 74 100
 45 175.0 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.10 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

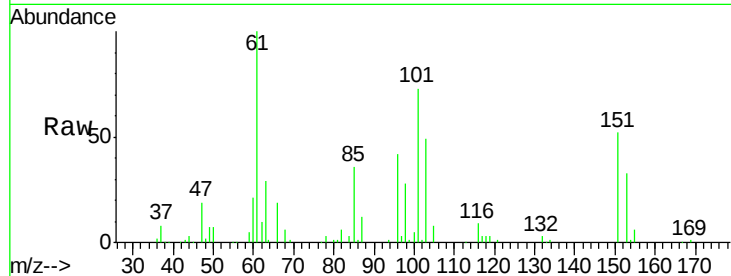
Tot Ion:101 Resp: 231212

Ion Ratio Lower Upper

101 100

85 49.4 39.0 58.4

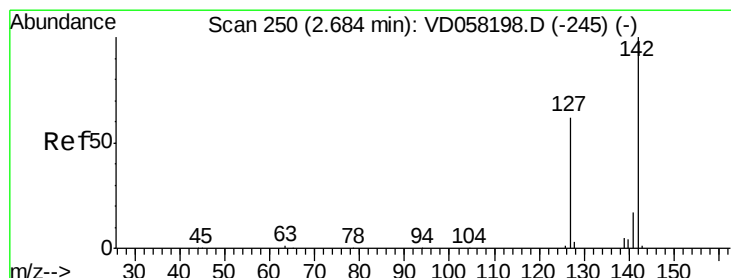
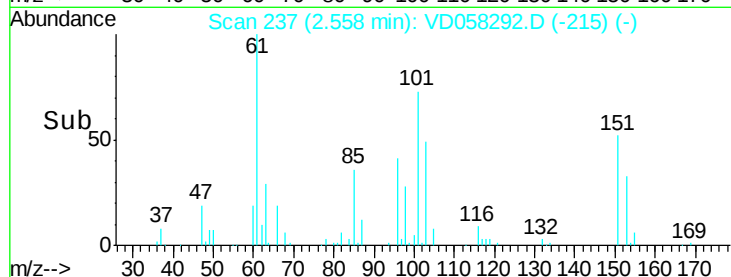
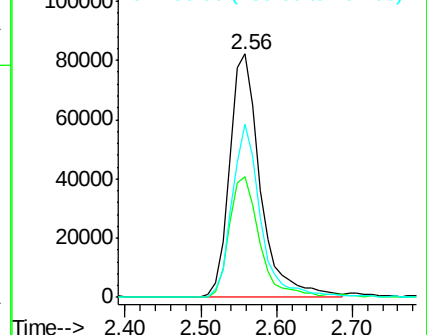
151 71.2 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 50.31 ug/l

RT: 2.70 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

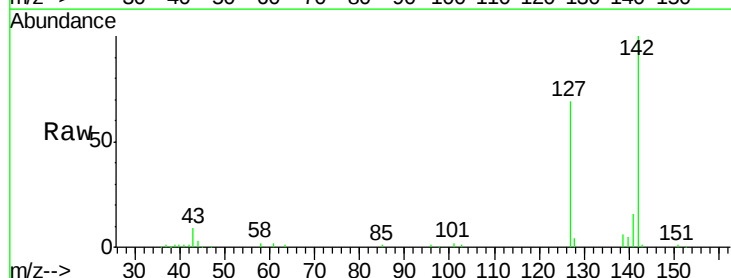
Tgt Ion:142 Resp: 231738

Ion Ratio Lower Upper

142 100

127 68.7 49.4 74.0

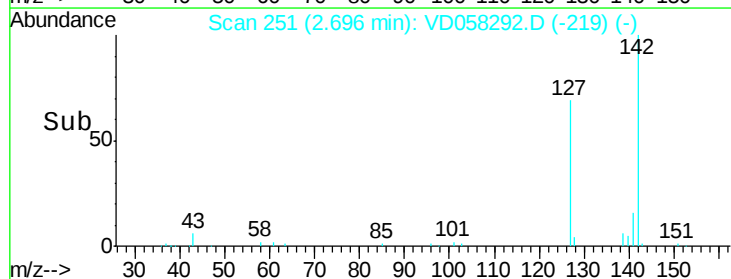
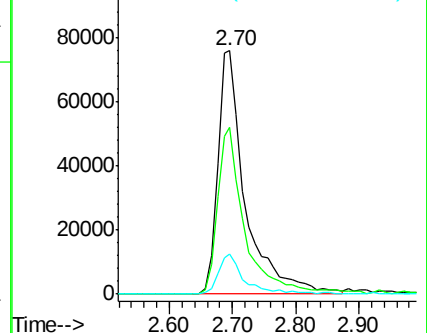
141 16.4 13.5 20.3

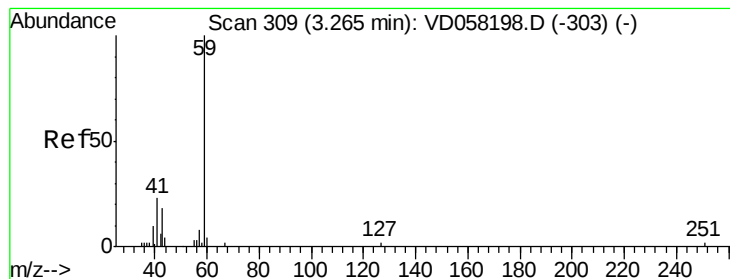


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 233.21 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

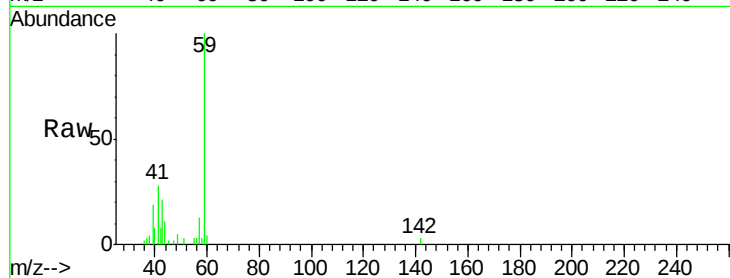
VSTDCCC050

Tot Ion: 59 Resp: 68901

Ion Ratio Lower Upper

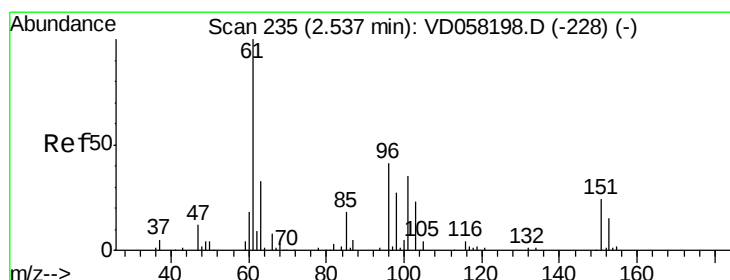
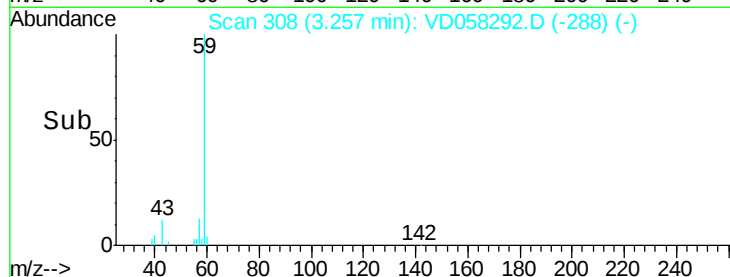
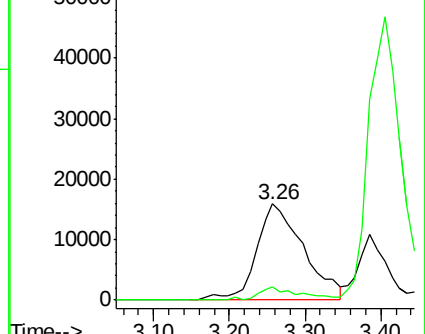
59 100

57 13.3 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 53.95 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

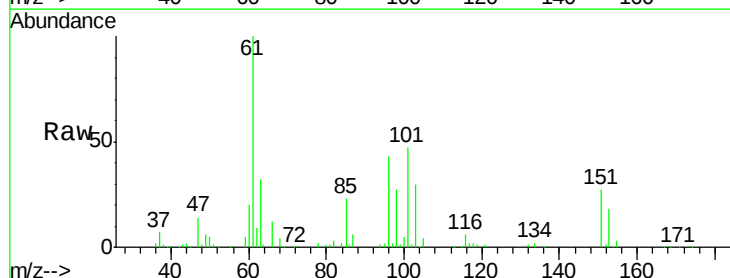
Tgt Ion: 96 Resp: 164384

Ion Ratio Lower Upper

96 100

61 234.7 193.9 290.9

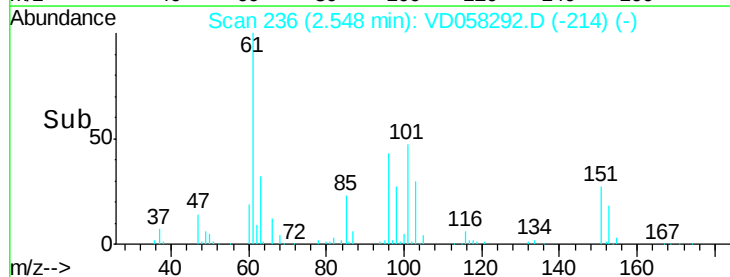
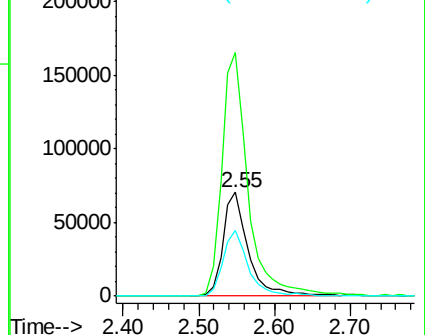
98 63.1 51.7 77.5

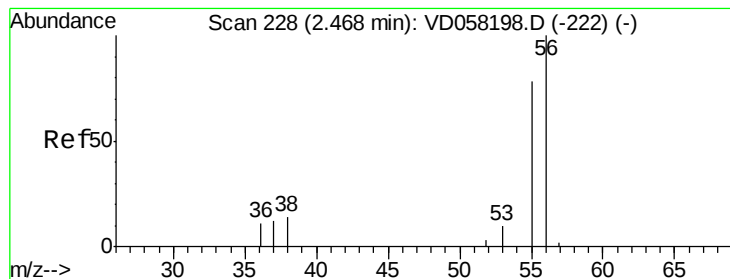


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 135.56 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

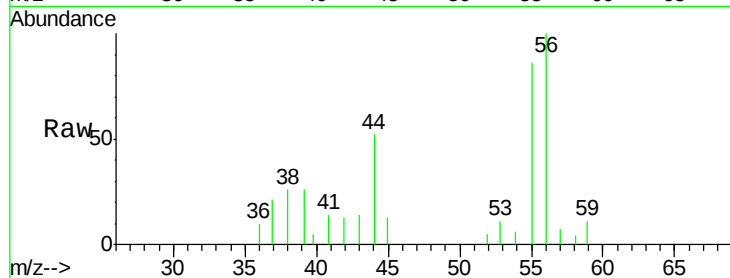
VSTDCCC050

Tot Ion: 56 Resp: 22863

Ion Ratio Lower Upper

56 100

55 86.4 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

8000

6000

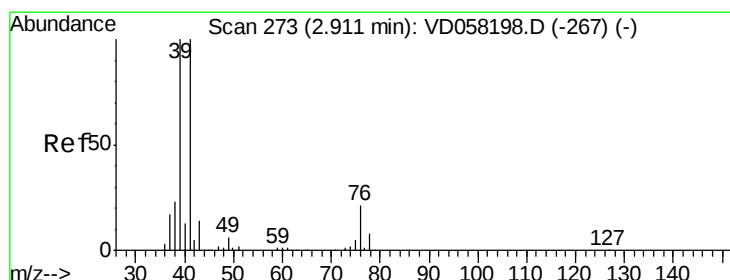
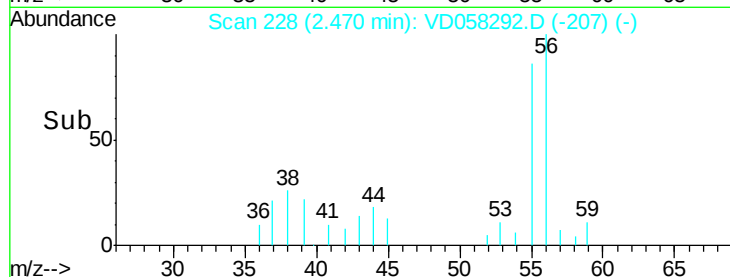
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 47.20 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

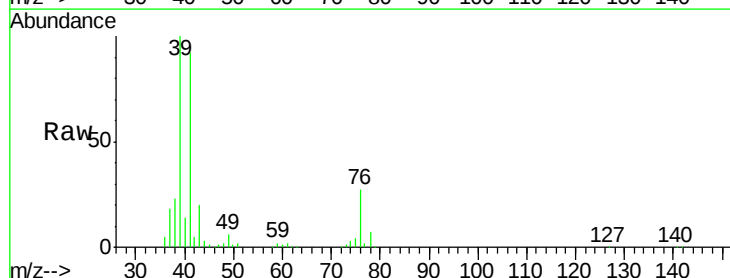
Tgt Ion: 41 Resp: 334709

Ion Ratio Lower Upper

41 100

39 108.7 80.1 120.1

76 29.5 19.4 29.2#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2.92

250000

200000

150000

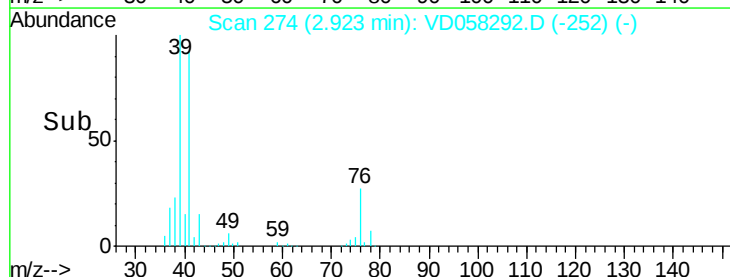
100000

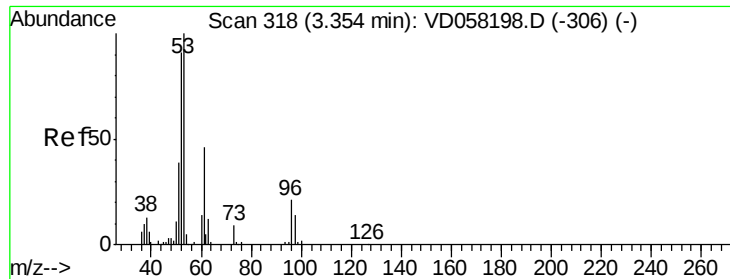
50000

0

Time-->

2.80 2.90 3.00 3.10

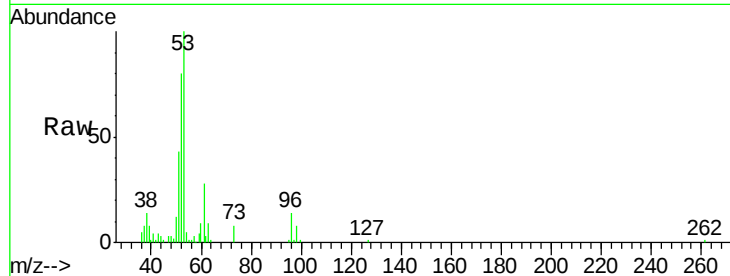




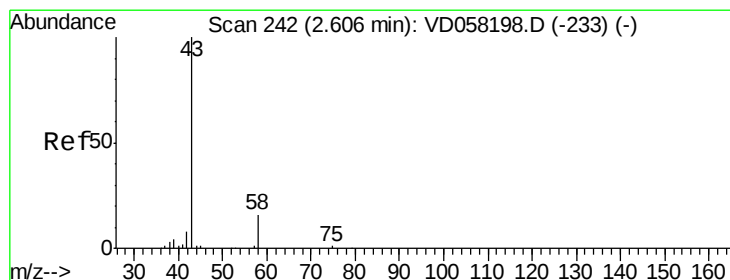
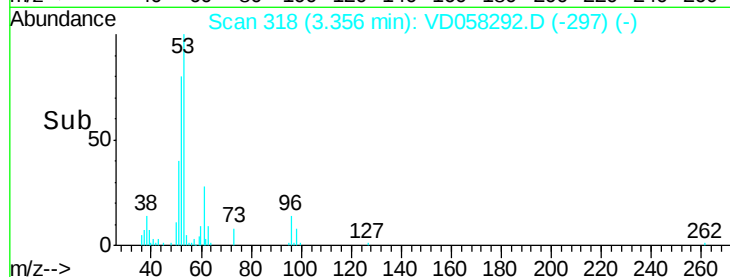
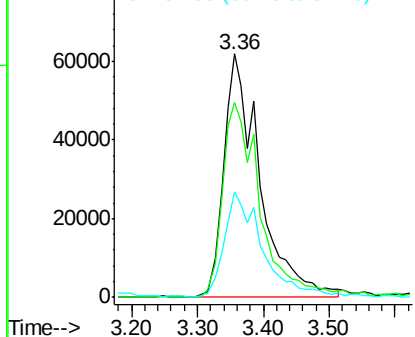
#15
 Acrylonitrile
 Concen: 301.77 ug/l
 RT: 3.36 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	236399
Ion Ratio	Lower	Upper	
53	100		
52	80.2	72.6	108.8
51	43.0	32.2	48.4

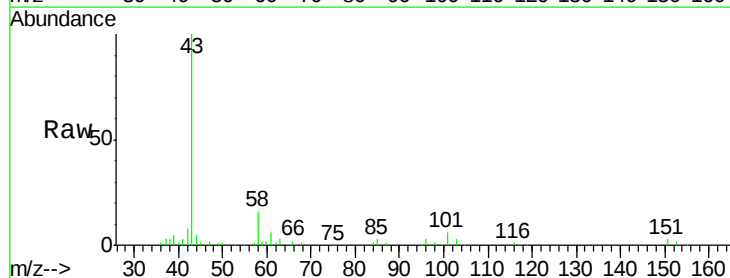


Abundance Ion 53.00 (52.70 to 53.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC
 Ion 51.00 (50.70 to 51.70): VDC

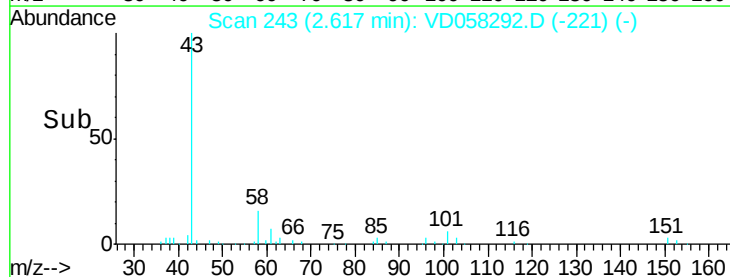
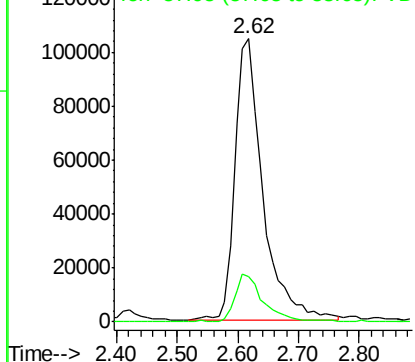


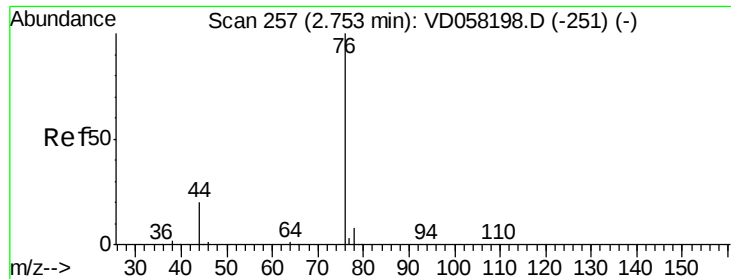
#16
 Acetone
 Concen: 275.80 ug/l
 RT: 2.62 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion	43	Resp	337867
Ion Ratio	Lower	Upper	
43	100		
58	16.0	12.7	19.1



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

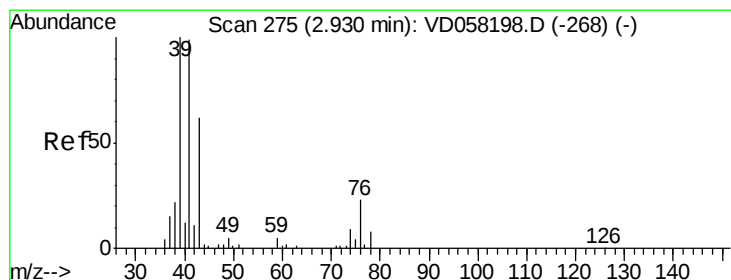
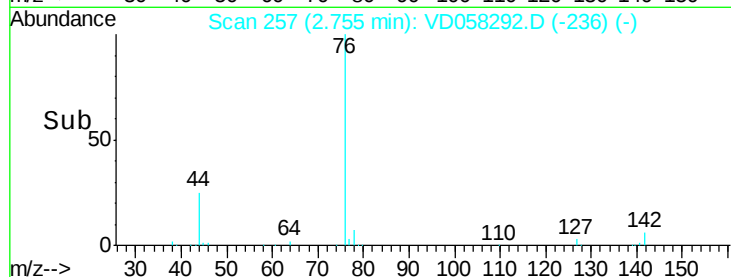
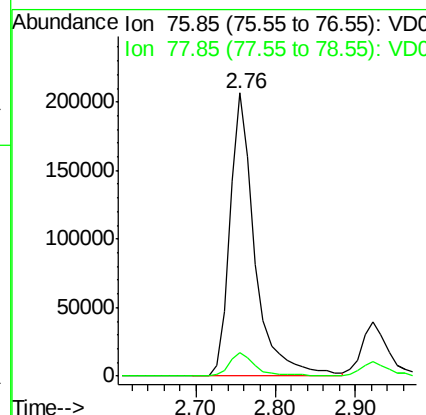
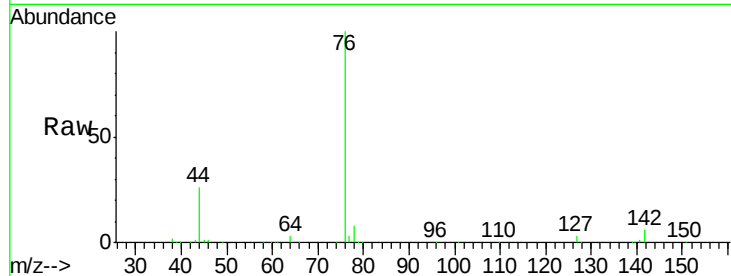




#17
Carbon Disulfide
Concen: 43.90 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

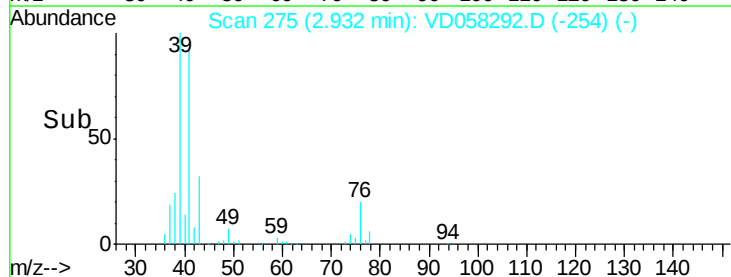
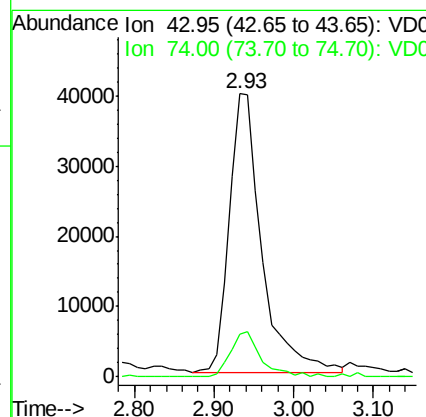
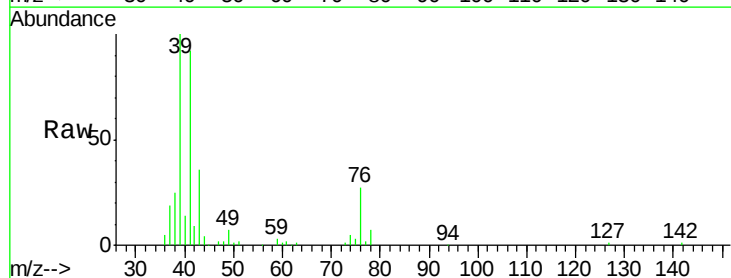
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

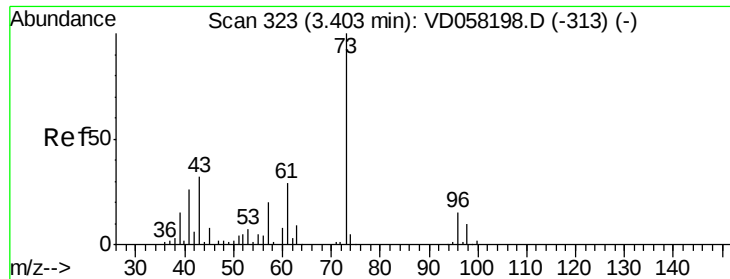
Tot Ion: 76 Resp: 455091
Ion Ratio Lower Upper
76 100
78 8.1 6.8 10.2



#18
Methyl Acetate
Concen: 43.33 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 43 Resp: 113202
Ion Ratio Lower Upper
43 100
74 15.0 11.7 17.5

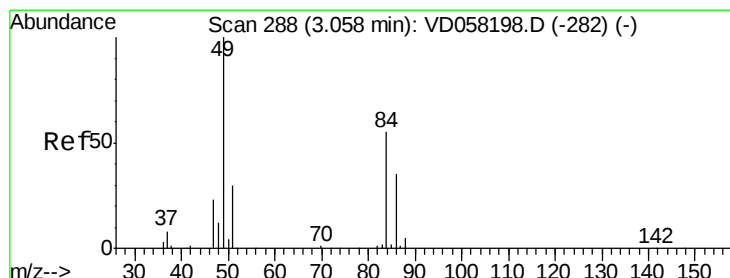
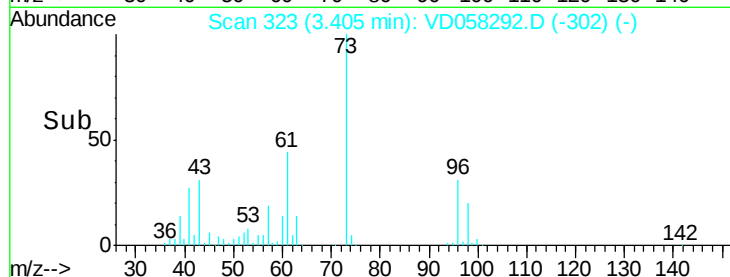
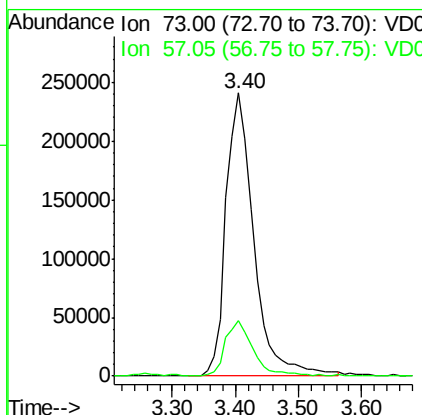
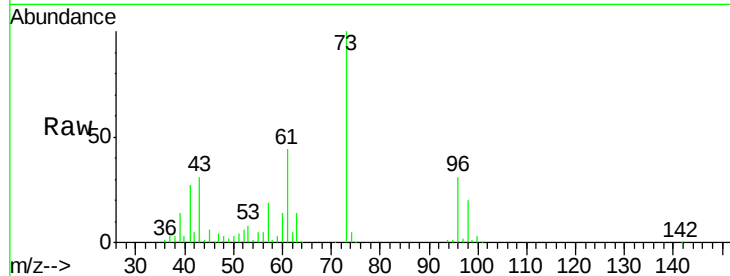




#19
Methyl tert-butyl Ether
Concen: 91.35 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

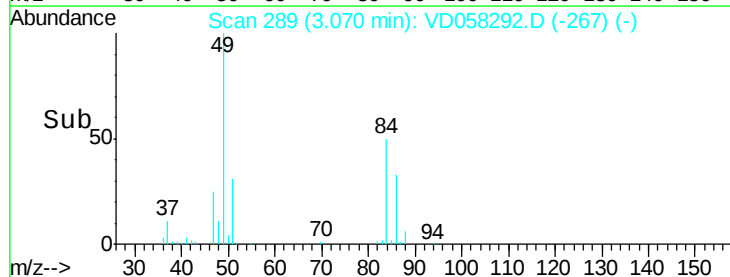
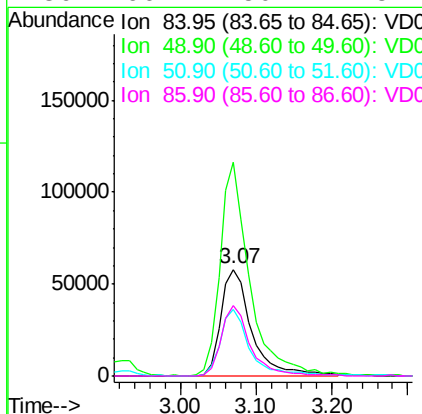
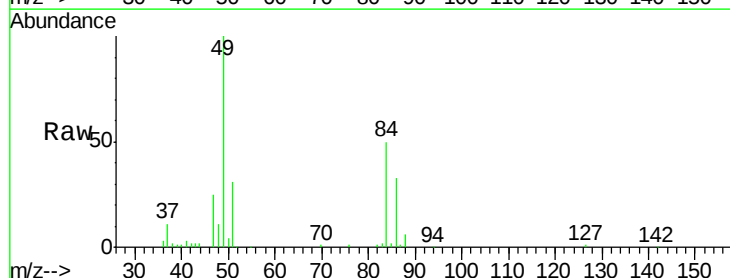
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

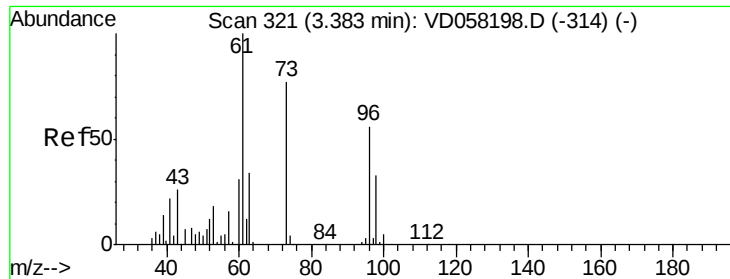
Tot Ion: 73 Resp: 738235
Ion Ratio Lower Upper
73 100
57 19.4 16.6 24.8



#20
Methylene Chloride
Concen: 51.22 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 84 Resp: 163446
Ion Ratio Lower Upper
84 100
49 200.8 145.0 217.6
51 62.1 42.9 64.3
86 66.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 96.25 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

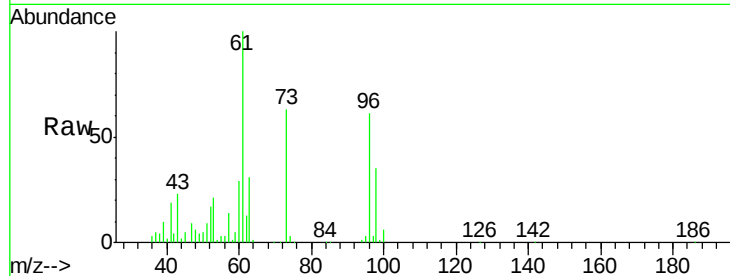
Tot Ion: 96 Resp: 320485

Ion Ratio Lower Upper

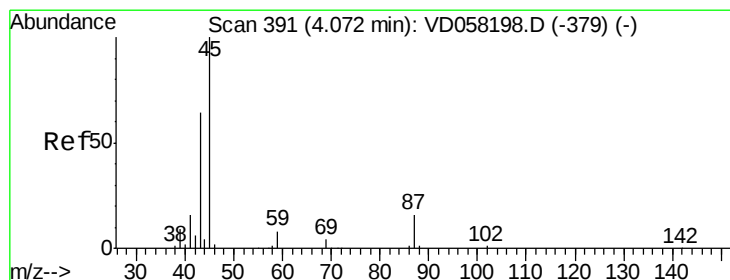
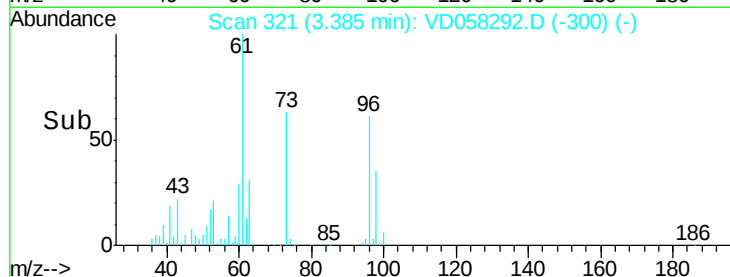
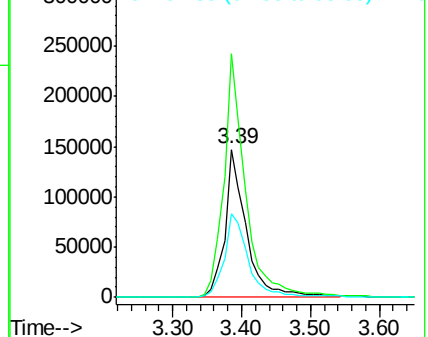
96 100

61 164.6 143.8 215.6

98 56.9 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: 47.96 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Tgt Ion: 45 Resp: 1350771

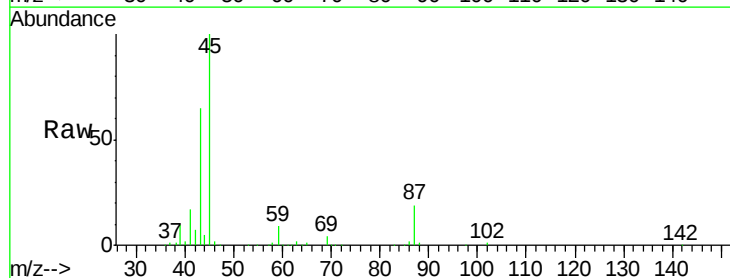
Ion Ratio Lower Upper

45 100

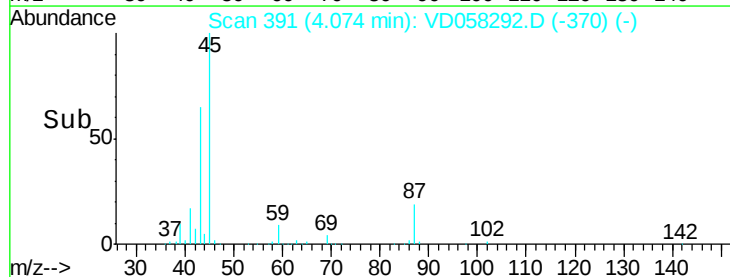
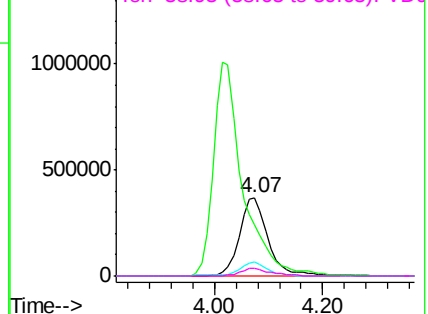
43 64.9 51.4 77.0

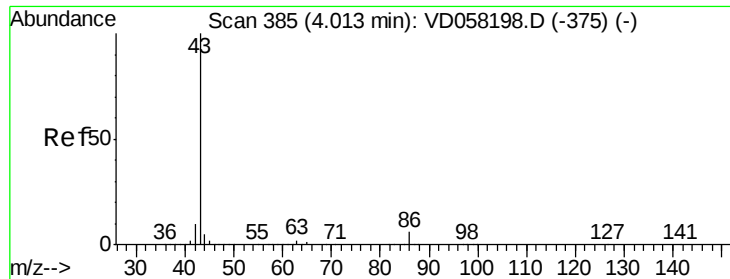
87 18.6 13.0 19.4

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

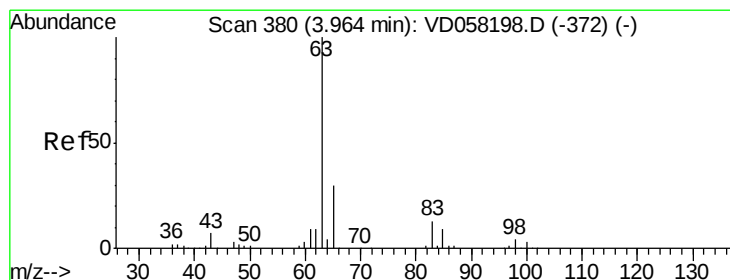
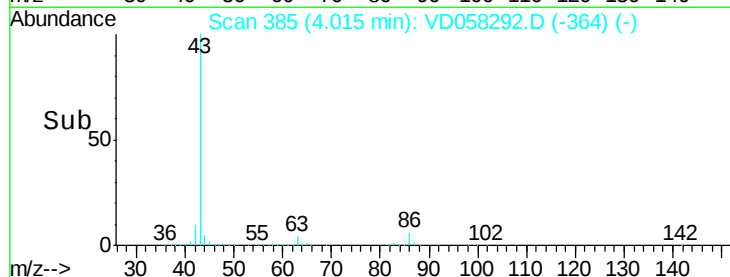
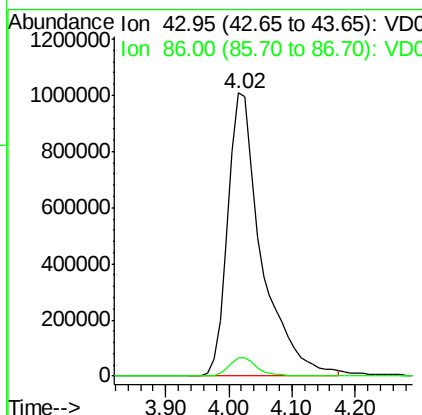
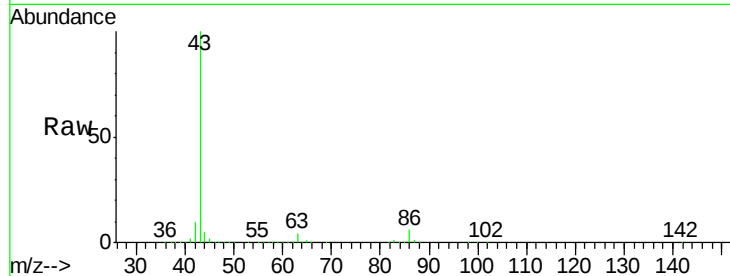




#23
 Vinyl Acetate
 Concen: 247.90 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

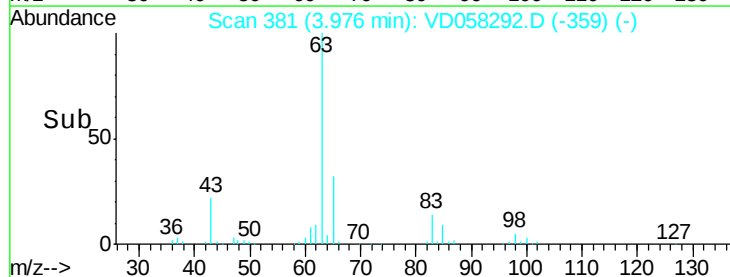
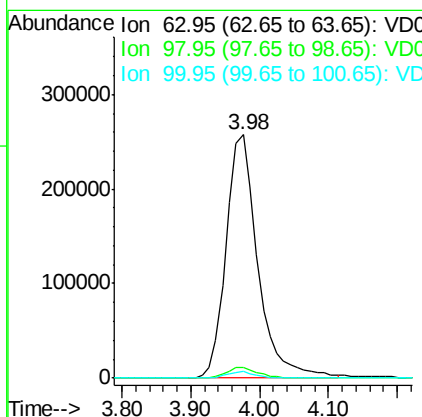
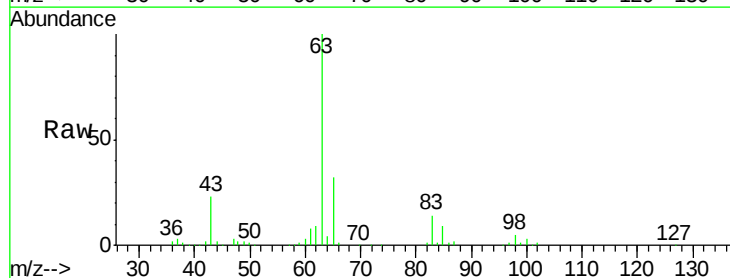
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

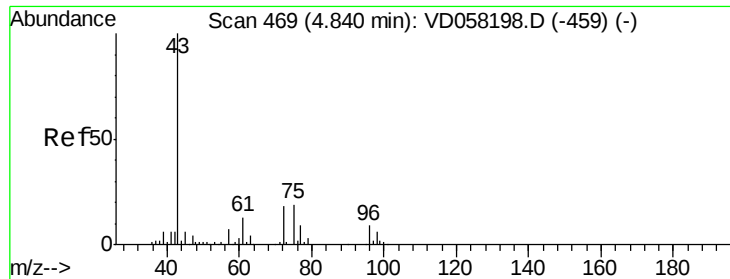
Tot Ion: 43 Resp: 3742740
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 54.26 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 63 Resp: 823379
 Ion Ratio Lower Upper
 63 100
 98 4.5 1.9 5.7
 100 3.0 1.3 3.9





#25

2-Butanone

Concen: 241.27 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

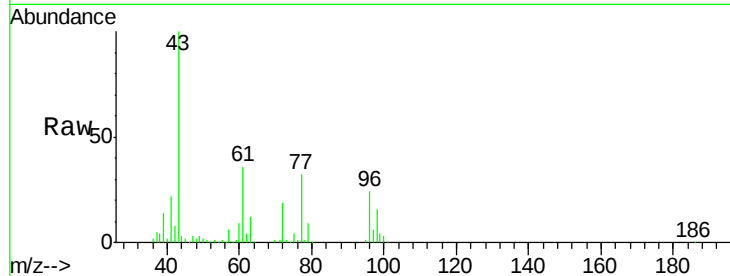
VSTDCCC050

Tot Ion: 43 Resp: 644195

Ion Ratio Lower Upper

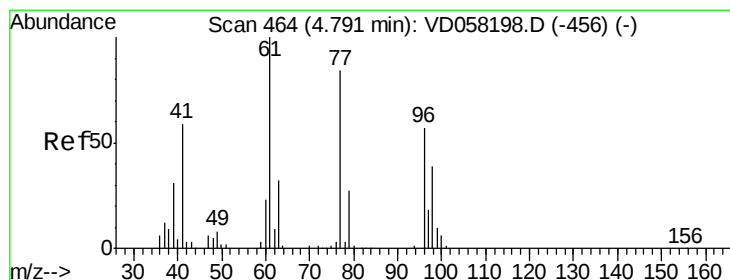
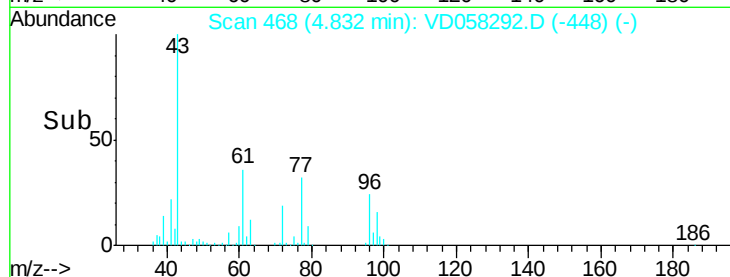
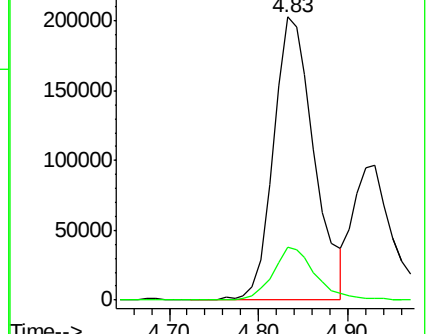
43 100

72 18.7 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.24 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058292.D

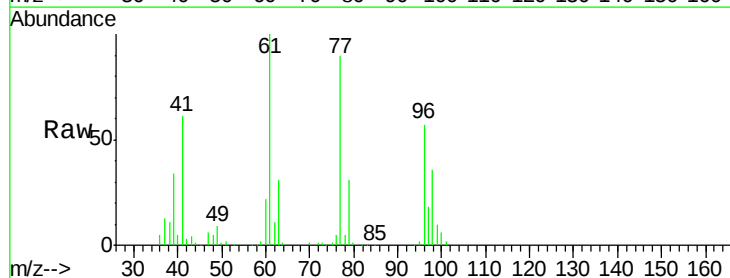
Acq: 22 Jun 2018 12:32

Tgt Ion: 77 Resp: 714563

Ion Ratio Lower Upper

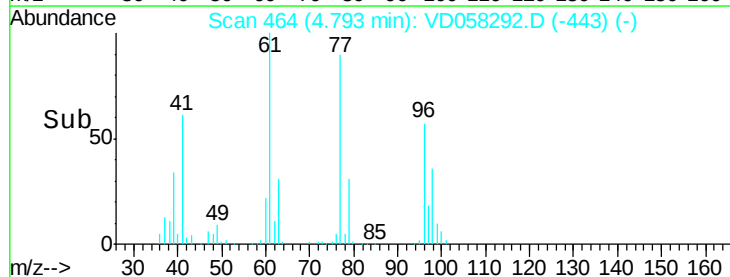
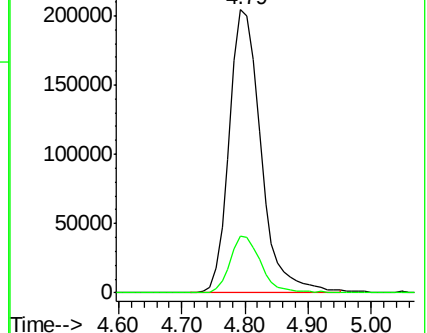
77 100

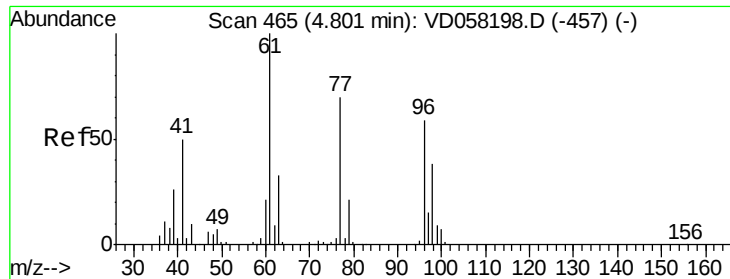
97 19.9 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 54.56 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

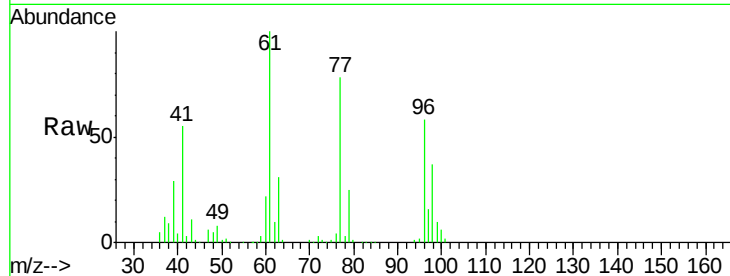
Tot Ion: 96 Resp: 453966

Ion Ratio Lower Upper

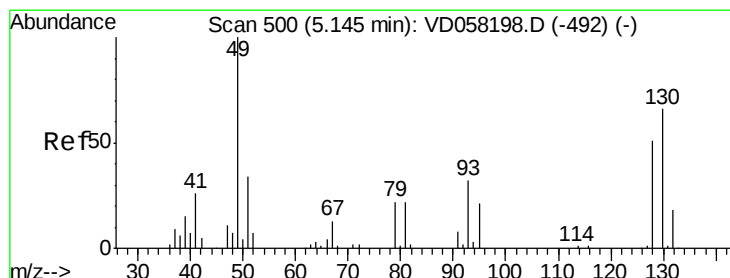
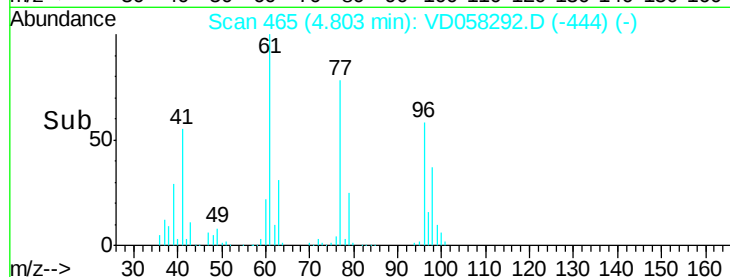
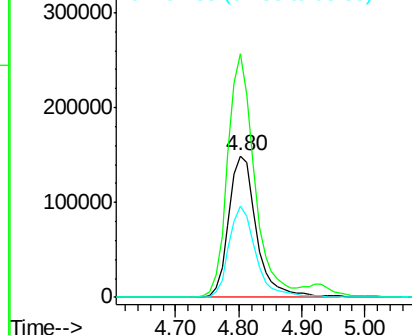
96 100

61 171.9 0.0 338.6

98 64.2 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: 50.71 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

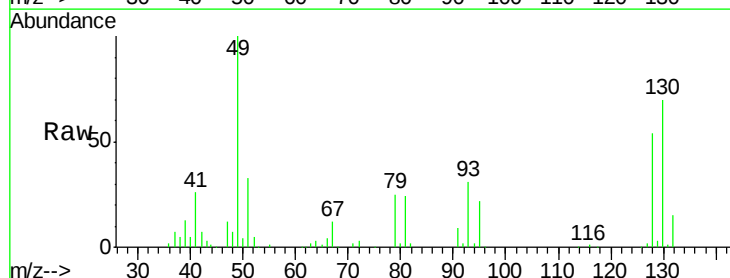
Tgt Ion: 49 Resp: 344955

Ion Ratio Lower Upper

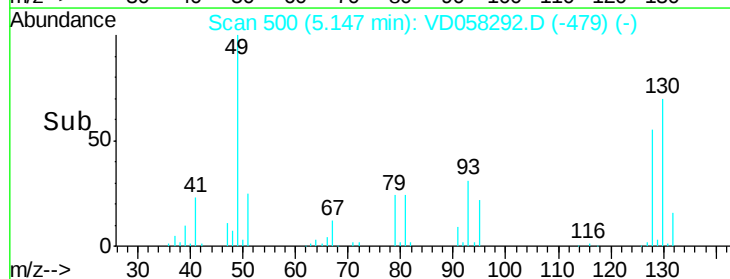
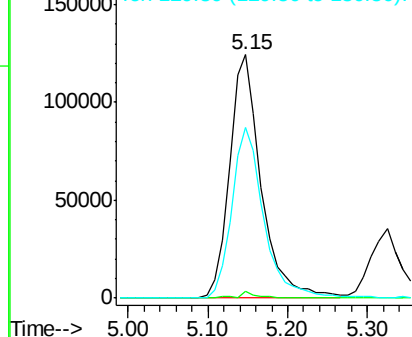
49 100

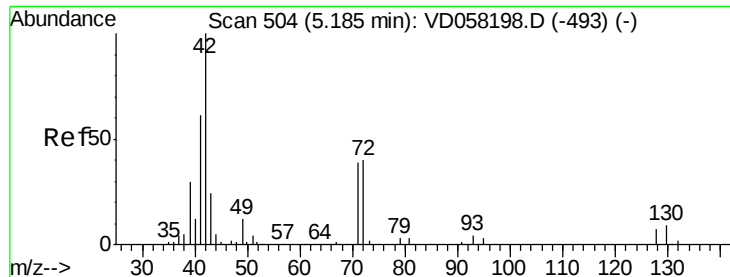
129 2.8 0.0 0.0#

130 70.1 52.6 79.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

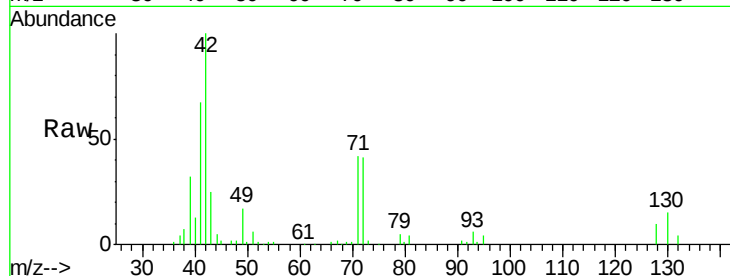




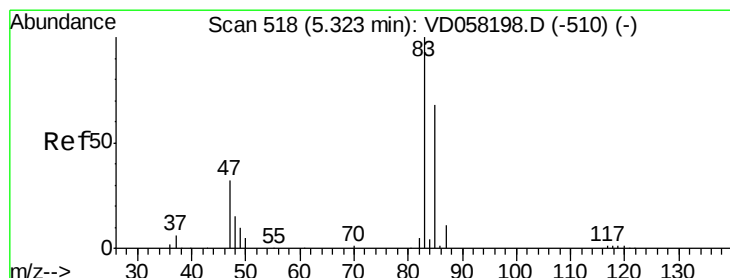
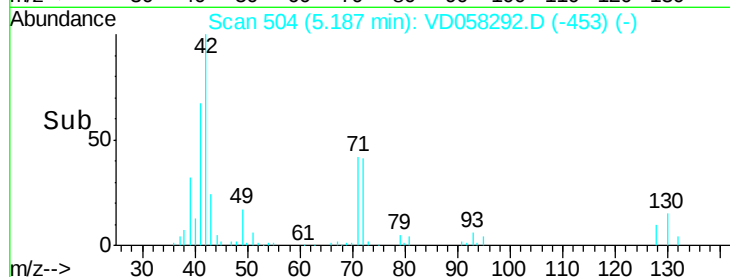
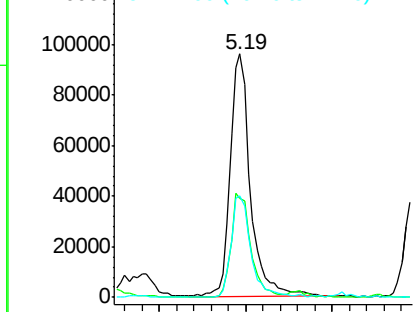
#29
Tetrahydrofuran
Concen: 218.61 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 310684
Ion Ratio Lower Upper
42 100
72 41.5 30.2 45.2
71 40.9 30.1 45.1

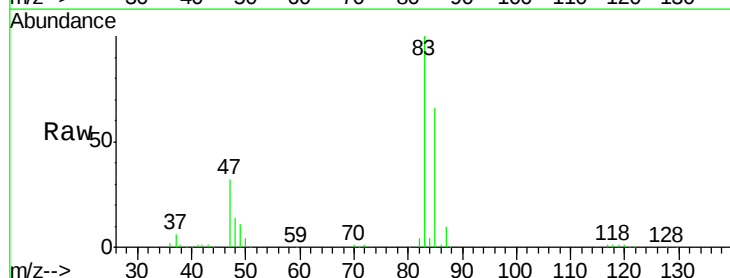


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

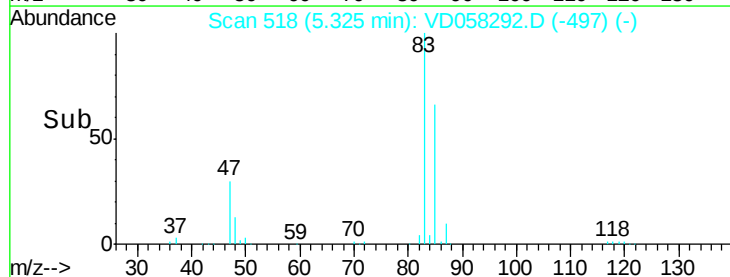
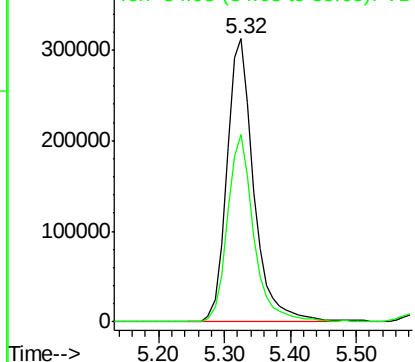


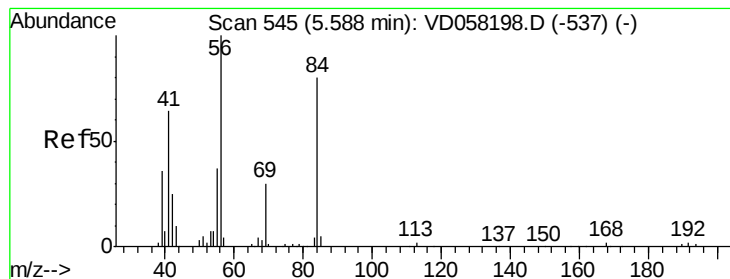
#30
Chloroform
Concen: 55.67 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 83 Resp: 891688
Ion Ratio Lower Upper
83 100
85 66.1 54.8 82.2



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





#31

Cyclohexane

Concen: 53.82 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

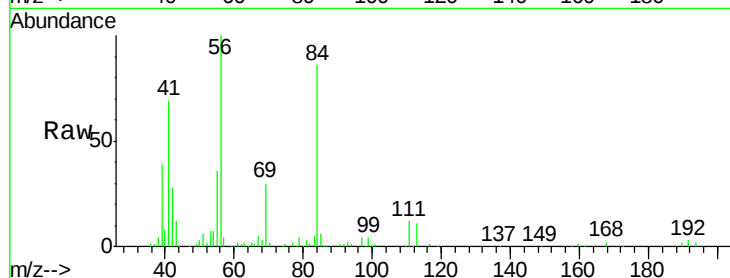
Tot Ion: 56 Resp: 588509

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	86.3	65.2	97.8

56 100

69 29.8 23.6 35.4

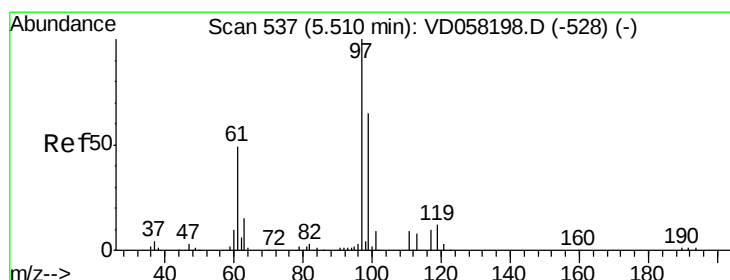
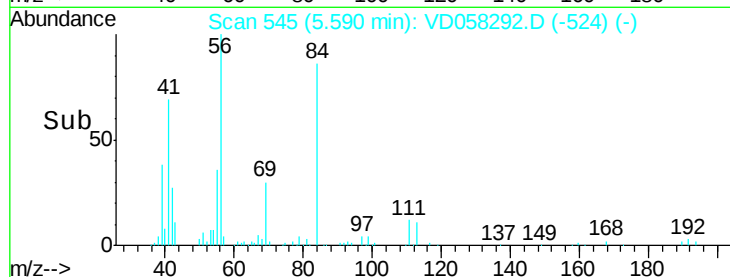
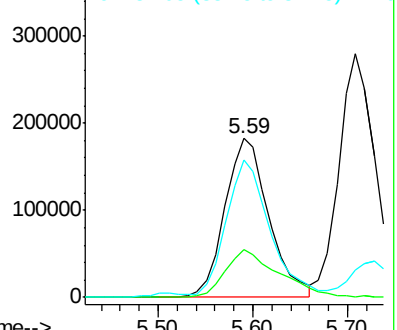
84 86.3 65.2 97.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.37 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

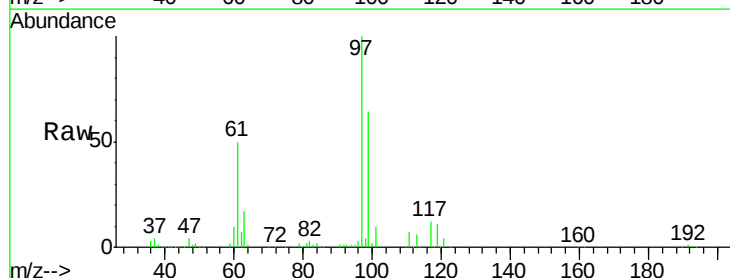
Tgt Ion: 97 Resp: 719542

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.2	78.4
61	50.5	39.0	58.4

97 100

99 63.9 52.2 78.4

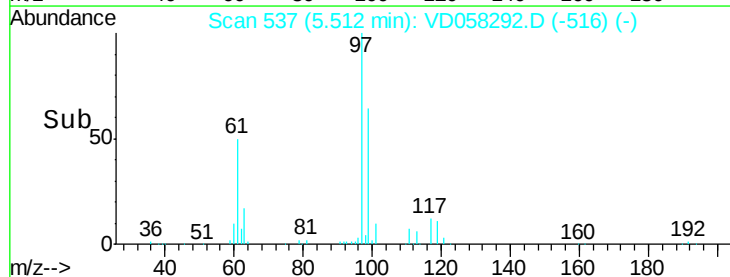
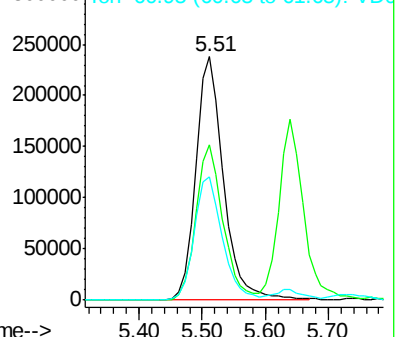
61 50.5 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

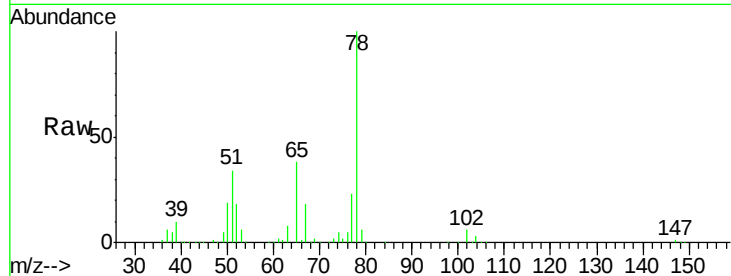




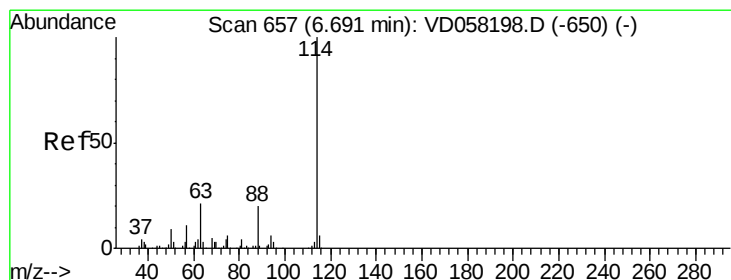
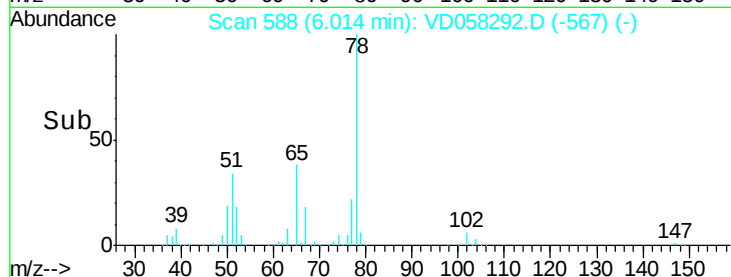
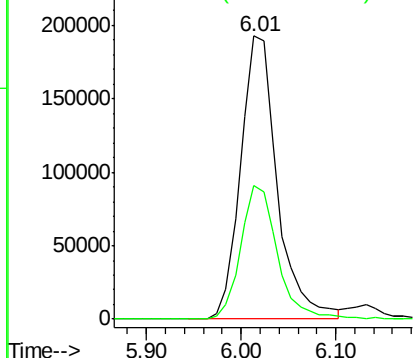
#33
 1,2-Dichloroethane-d4
 Concen: 54.37 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 518391
 Ion Ratio Lower Upper
 65 100
 67 47.3 0.0 97.8

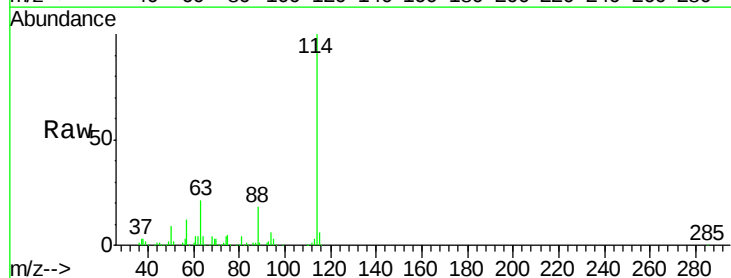


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

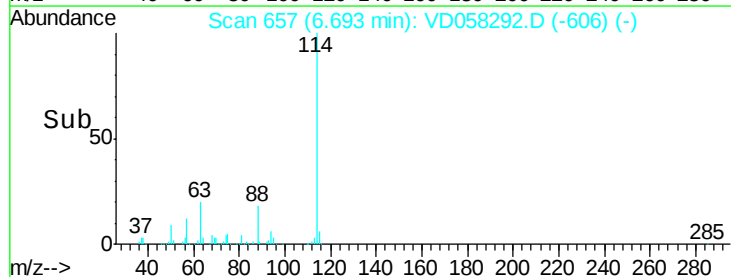
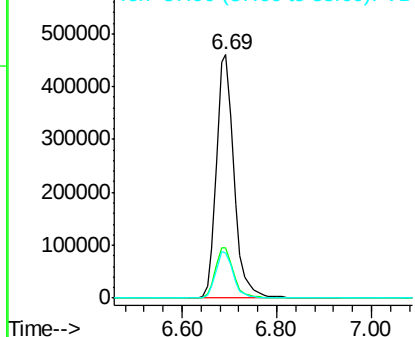


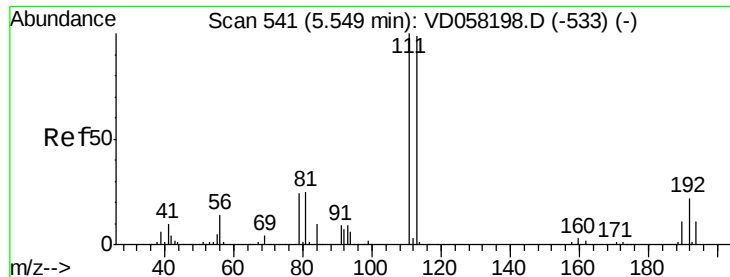
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion:114 Resp: 1189290
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 18.4 0.0 40.6



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





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

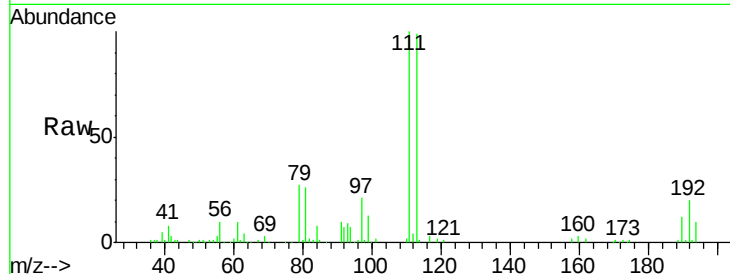
Tot Ion:113 Resp: 537156

Ion Ratio Lower Upper

113 100

111 101.2 80.6 121.0

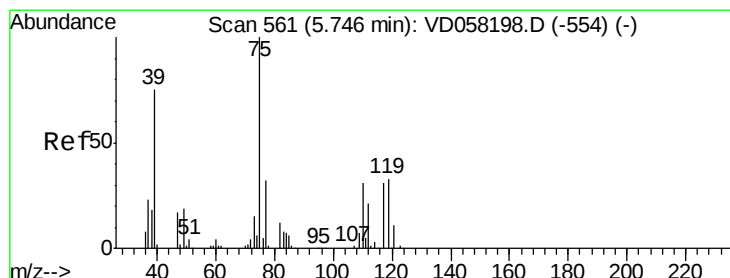
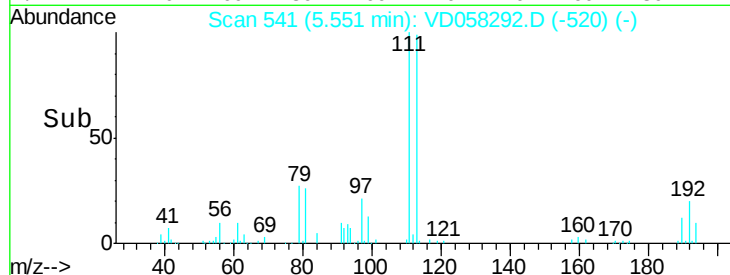
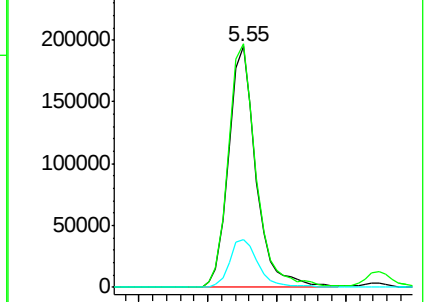
192 20.1 17.8 26.6



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: 51.55 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

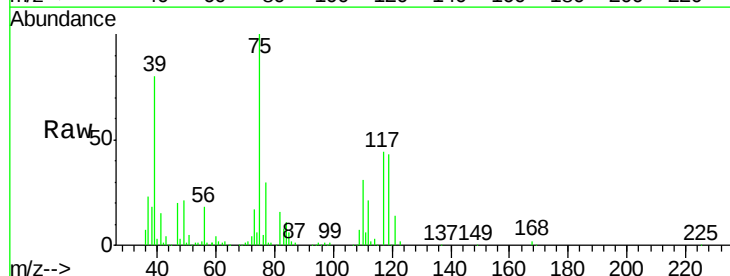
Tgt Ion: 75 Resp: 606440

Ion Ratio Lower Upper

75 100

110 31.3 15.4 46.4

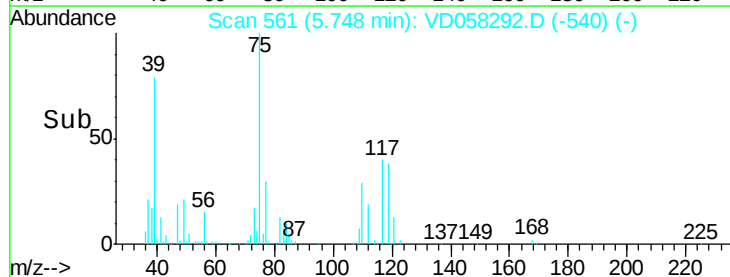
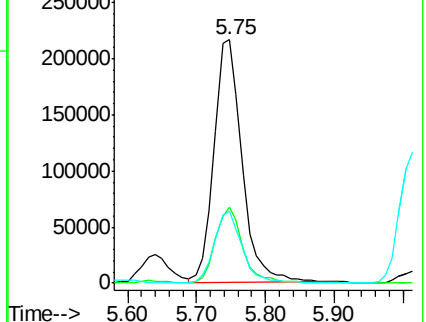
77 29.6 25.4 38.2

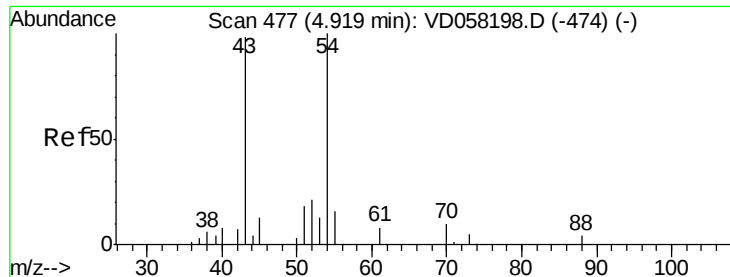


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

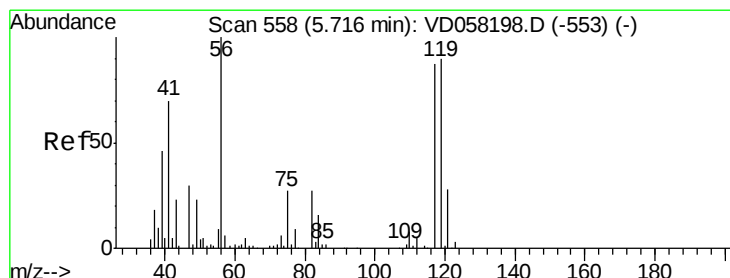
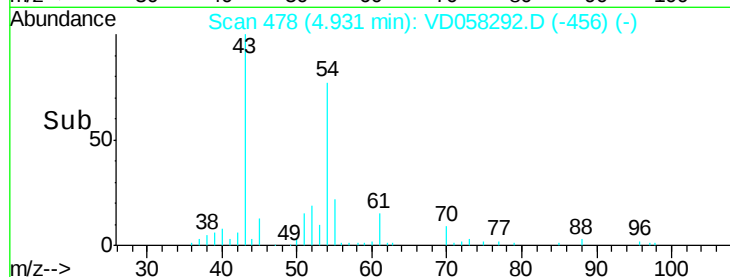
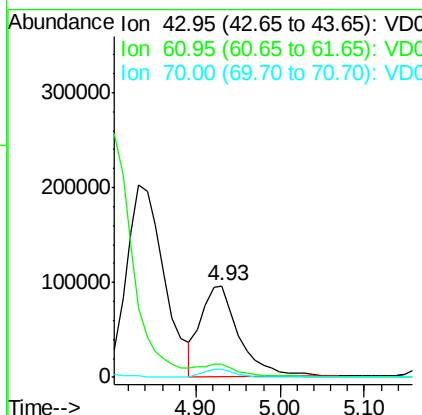
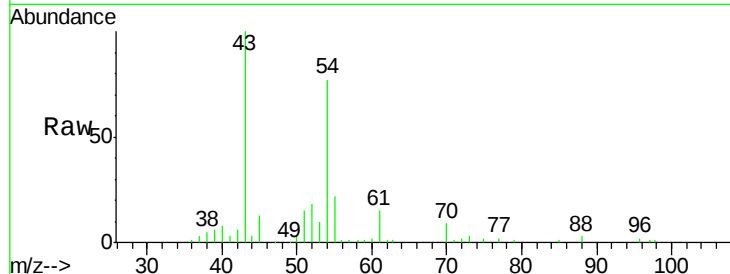




#37
Ethyl Acetate
Concen: 44.37 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

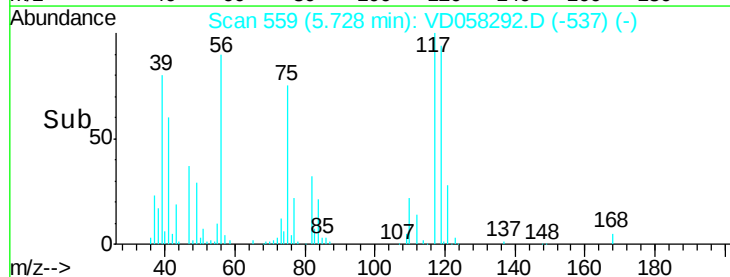
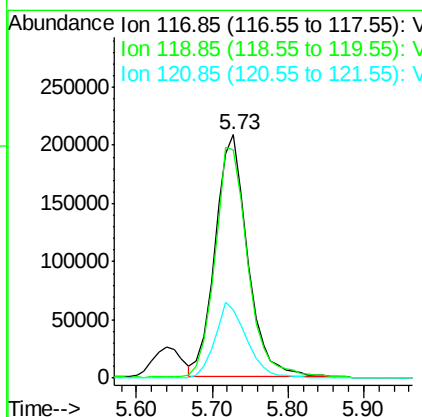
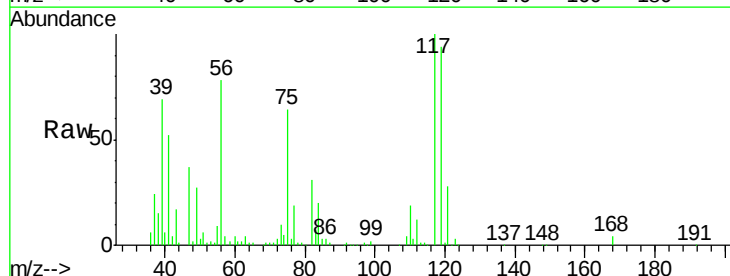
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 297429
Ion Ratio Lower Upper
43 100
61 14.6 10.3 15.5
70 8.5 5.7 8.5



#38
Carbon Tetrachloride
Concen: 53.17 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 117 Resp: 621574
Ion Ratio Lower Upper
117 100
119 93.9 78.8 118.2
121 28.1 25.0 37.6





#39

Methvlcvclohexane

Concen: 50.96 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

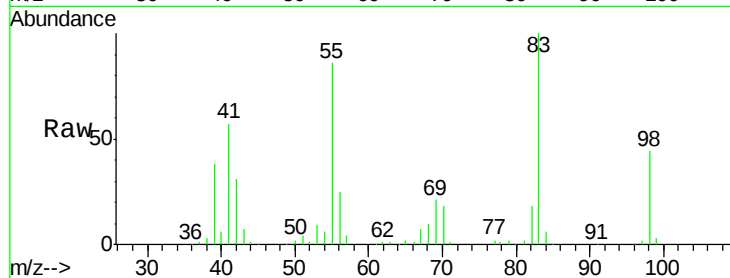
Tot Ion: 83 Resp: 583950

Ion Ratio Lower Upper

83 100

55 85.9 77.4 116.2

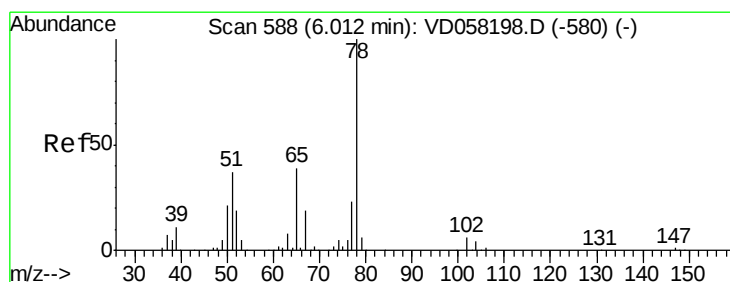
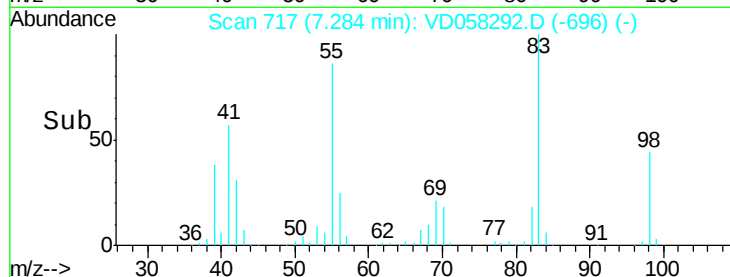
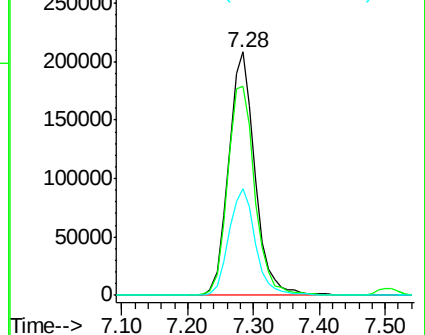
98 43.6 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.65 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058292.D

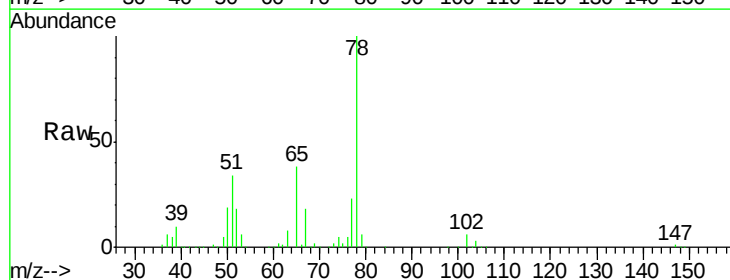
Acq: 22 Jun 2018 12:32

Tgt Ion: 78 Resp: 1419417

Ion Ratio Lower Upper

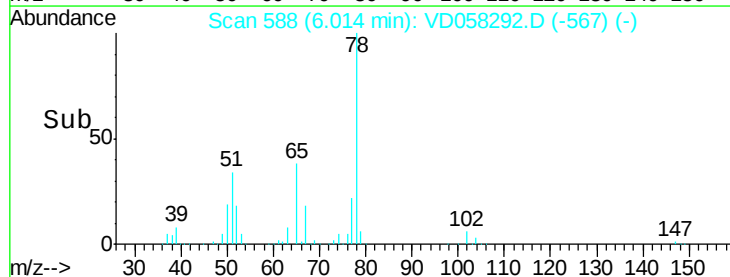
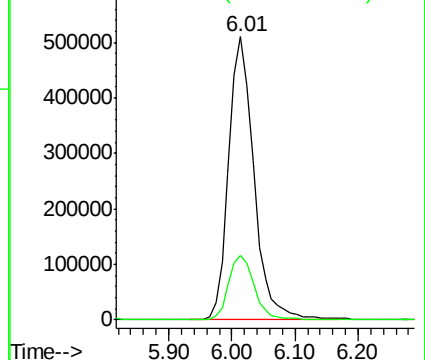
78 100

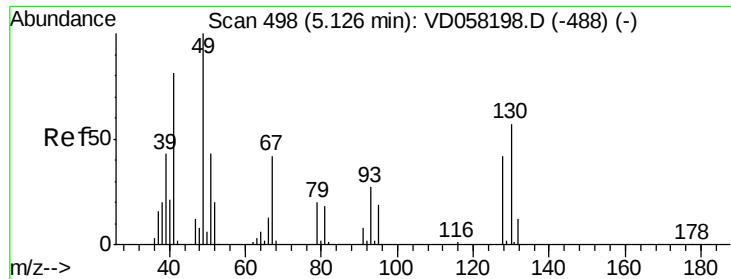
77 22.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 50.37 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 163031

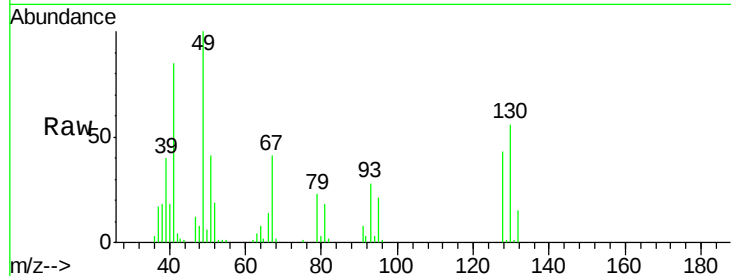
Ion Ratio Lower Upper

41 100

39 46.9 43.4 65.2

67 48.1 41.7 62.5

52 22.8 20.6 30.8

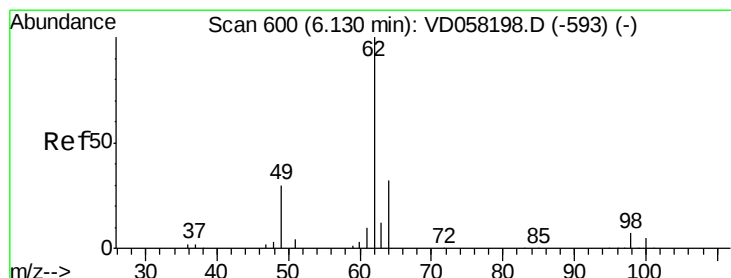
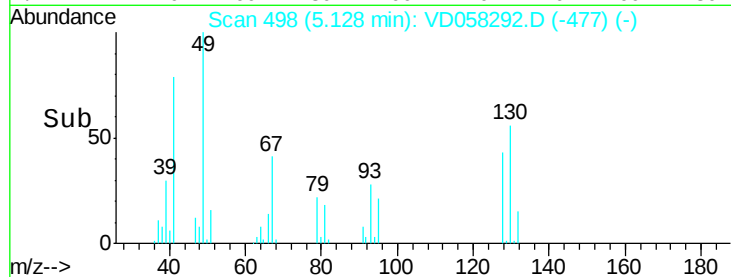
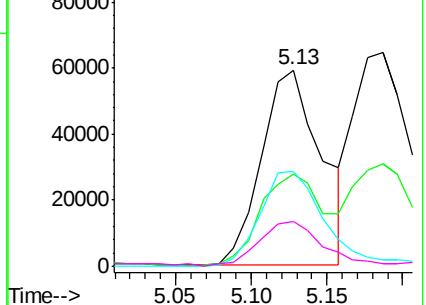


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.52 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058292.D

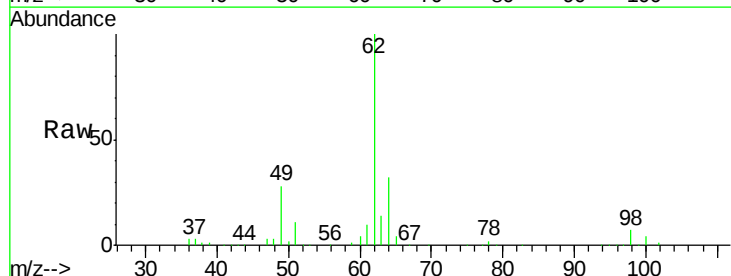
Acq: 22 Jun 2018 12:32

Tgt Ion: 62 Resp: 582163

Ion Ratio Lower Upper

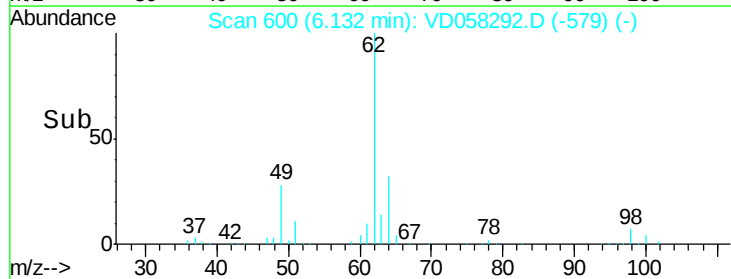
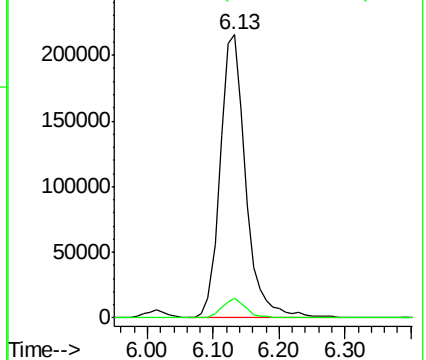
62 100

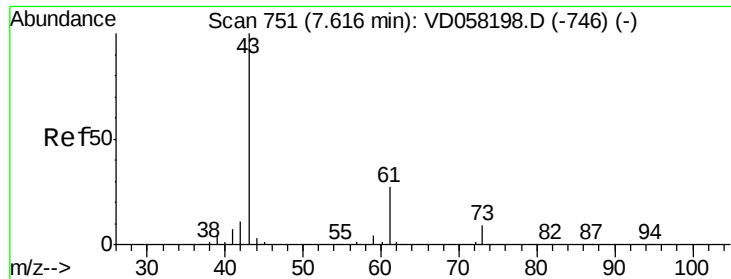
98 6.7 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



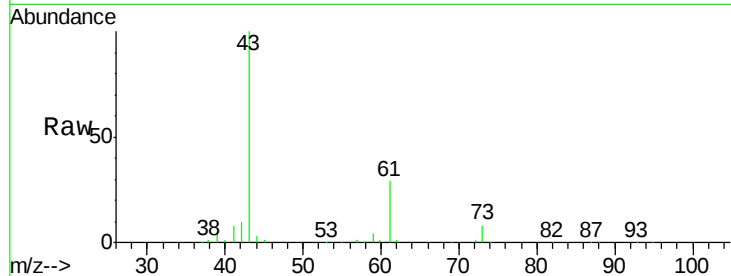


#43

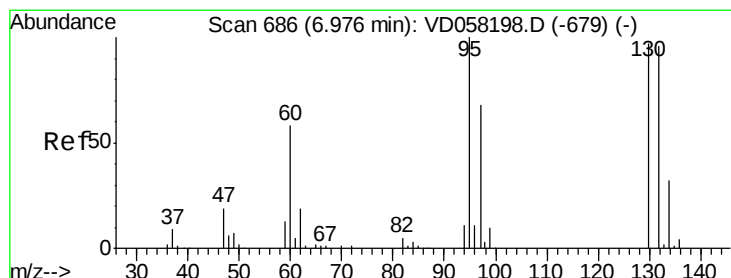
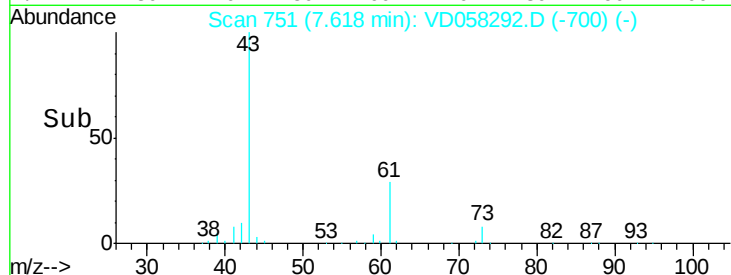
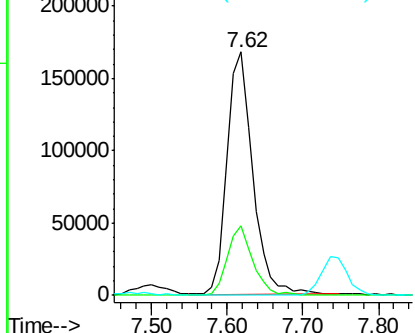
Isopropyl Acetate
 Concen: 43.95 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 392762
 Ion Ratio Lower Upper
 43 100
 61 28.6 21.8 32.6
 87 0.2 0.3 0.5#



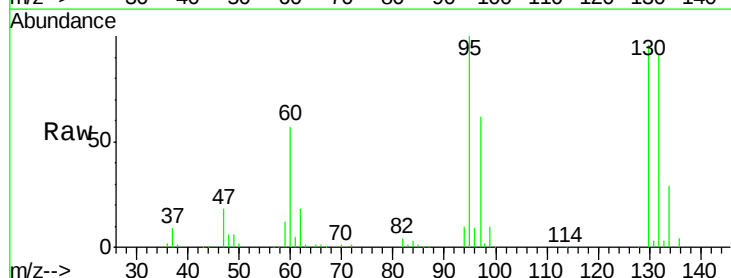
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



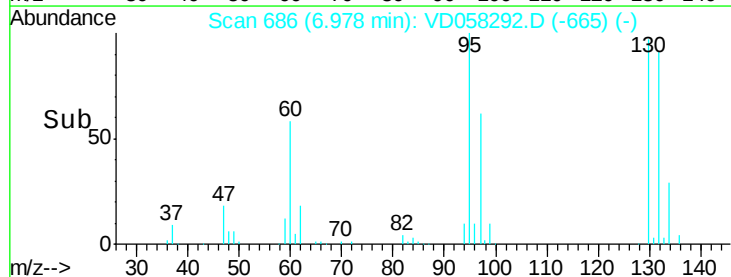
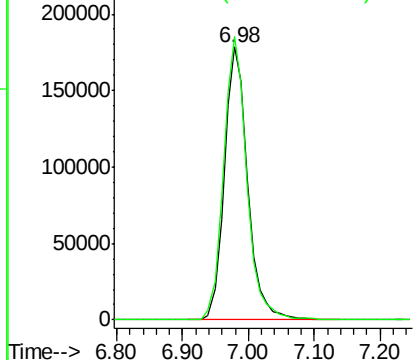
#44

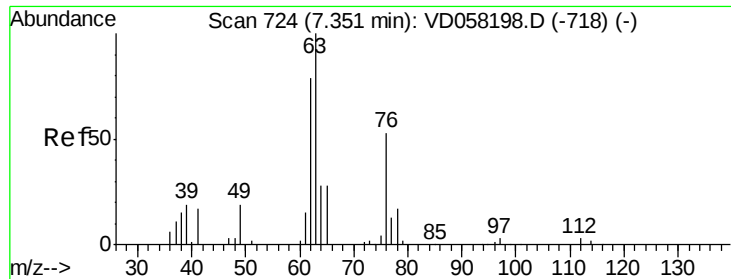
Trichloroethene
 Concen: 52.60 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 130 Resp: 442622
 Ion Ratio Lower Upper
 130 100
 95 103.7 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: 50.96 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

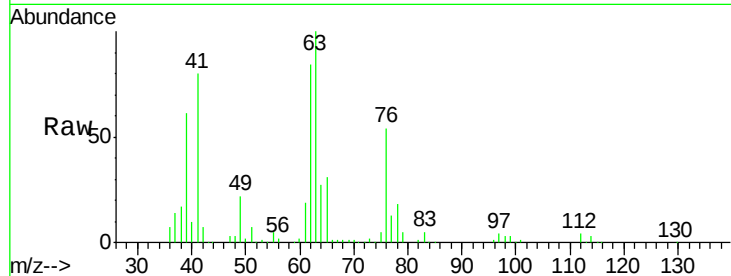
VSTDCCC050

Tot Ion: 63 Resp: 384625

Ion Ratio Lower Upper

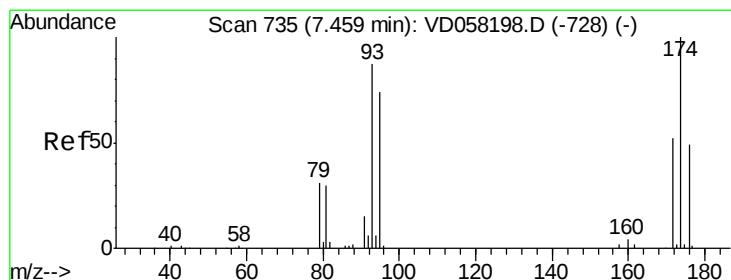
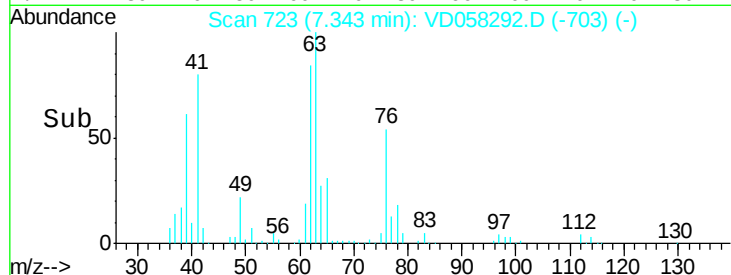
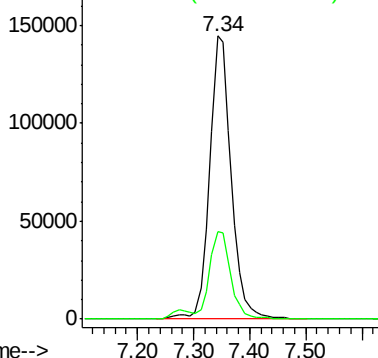
63 100

65 30.8 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: 51.89 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

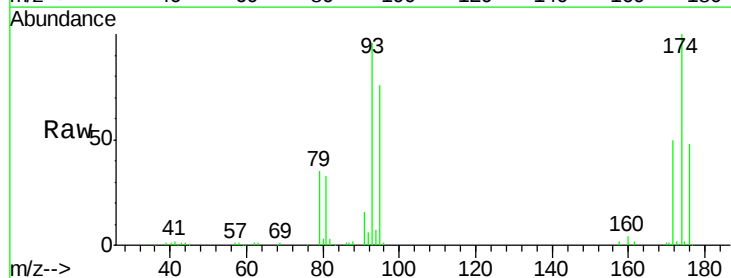
Tgt Ion: 93 Resp: 267383

Ion Ratio Lower Upper

93 100

95 78.8 67.8 101.6

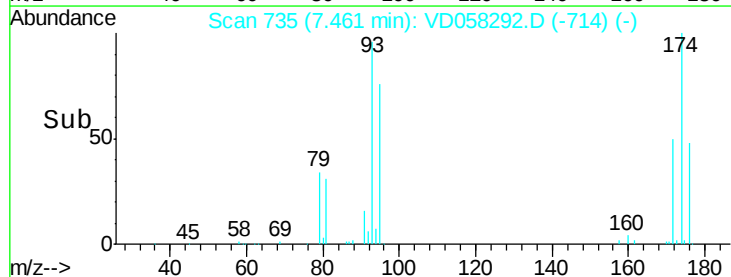
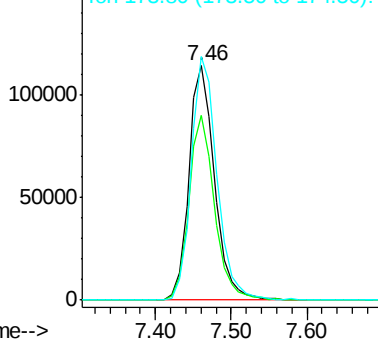
174 104.0 92.2 138.2

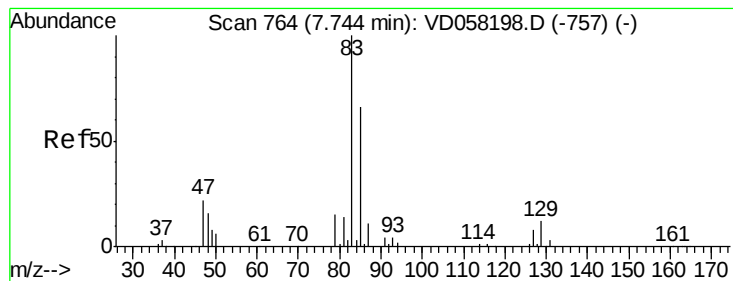


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.82 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

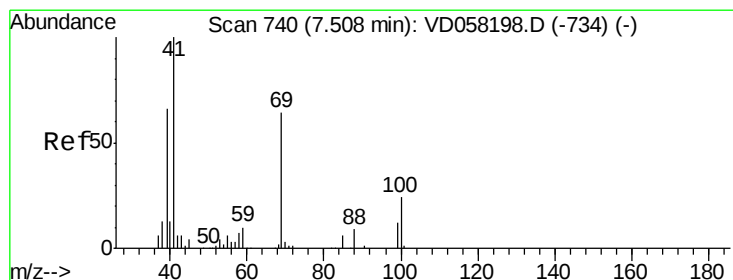
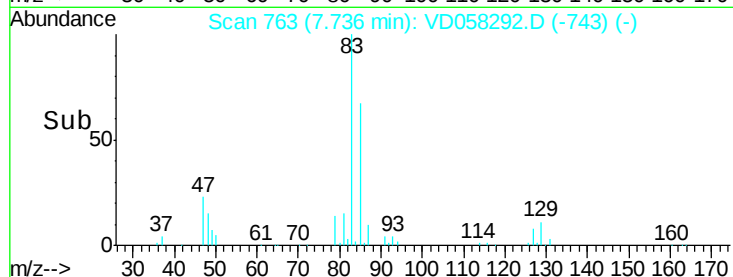
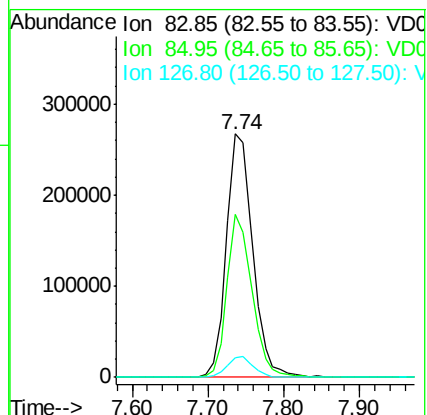
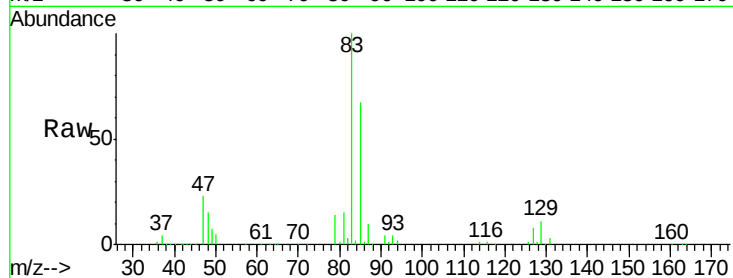
Tot Ion: 83 Resp: 644170

Ion Ratio Lower Upper

83 100

85 66.8 52.6 78.8

127 8.0 6.2 9.4



#48

Methyl methacrylate

Concen: 44.18 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

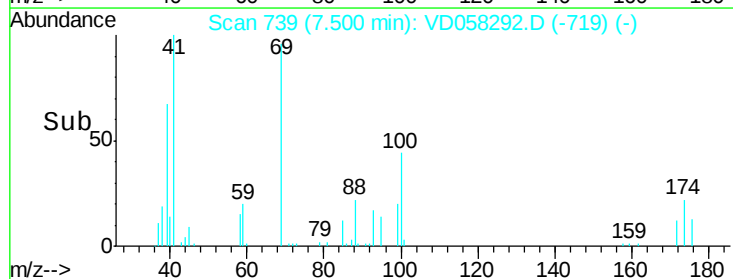
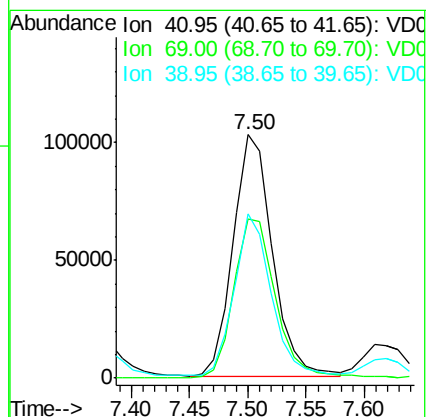
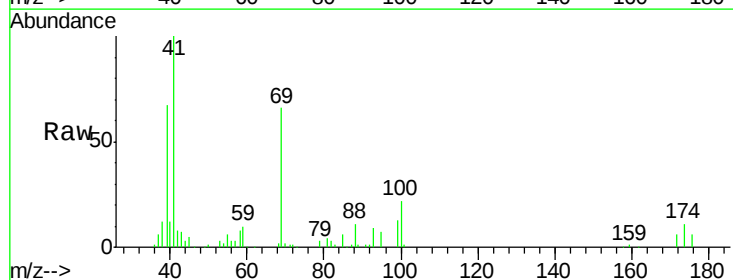
Tgt Ion: 41 Resp: 239994

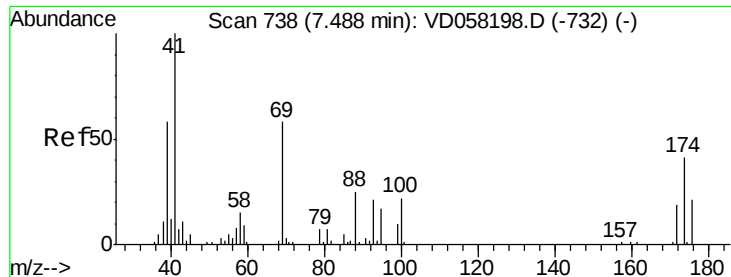
Ion Ratio Lower Upper

41 100

69 65.6 50.7 76.1

39 67.3 52.6 78.8

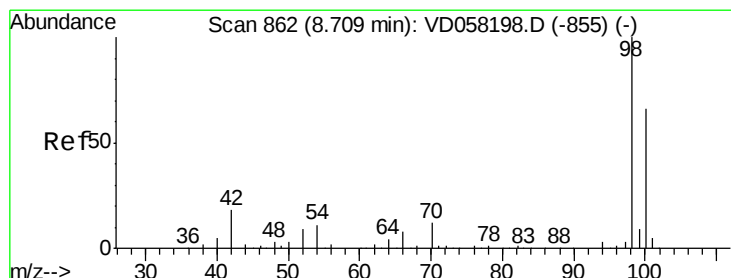
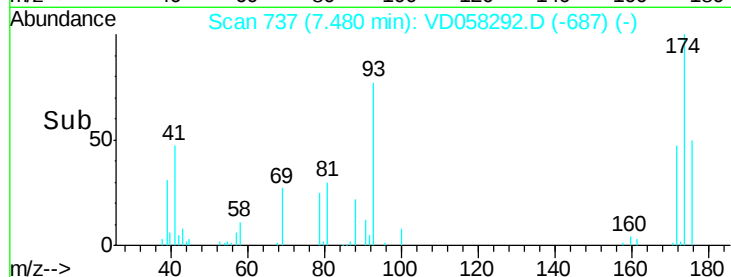
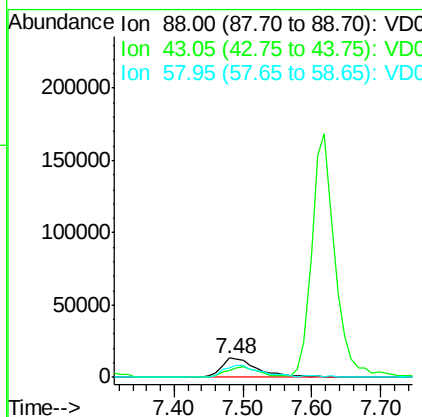
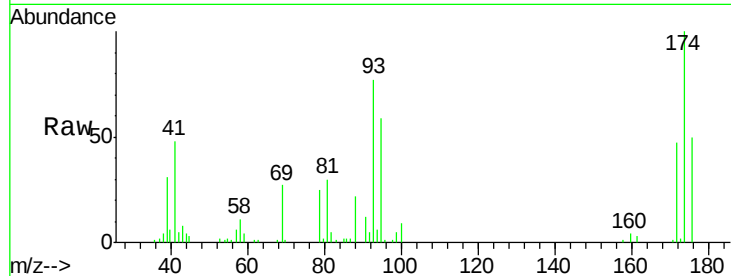




#49
1,4-Dioxane
Concen: 1002.61 ug/l
RT: 7.48 min Scan# 737
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

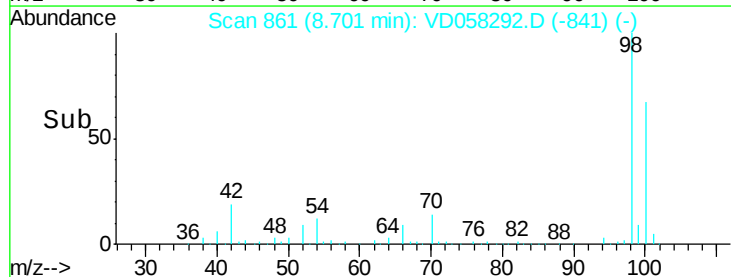
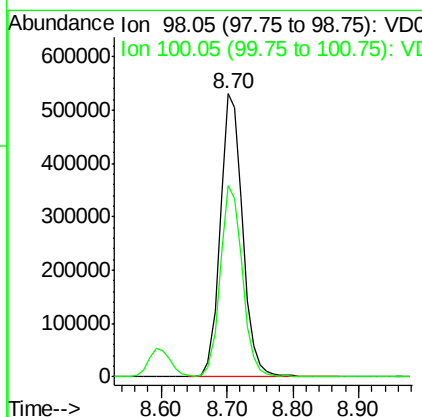
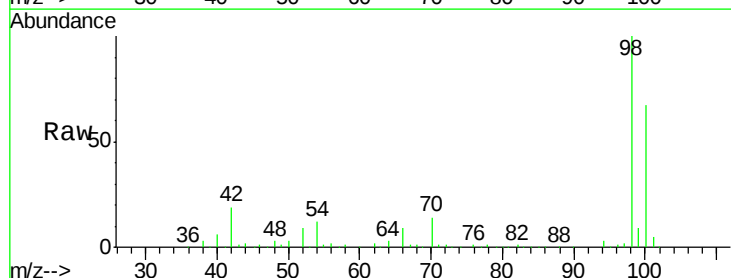
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 49158
Ion Ratio Lower Upper
88 100
43 36.2 34.2 51.2
58 51.8 47.9 71.9



#50
Toluene-d8
Concen: 1002.61 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 98 Resp: 1250749
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 229.28 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

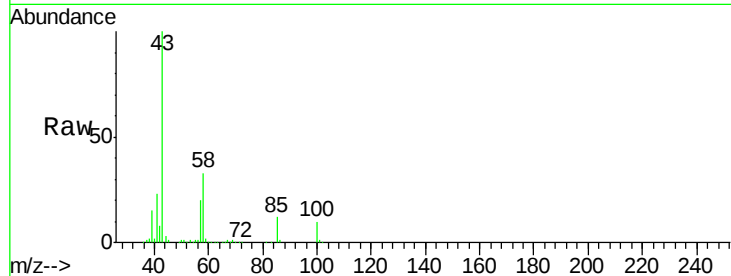
VSTDCCC050

Tot Ion: 43 Resp: 1336541

Ion Ratio Lower Upper

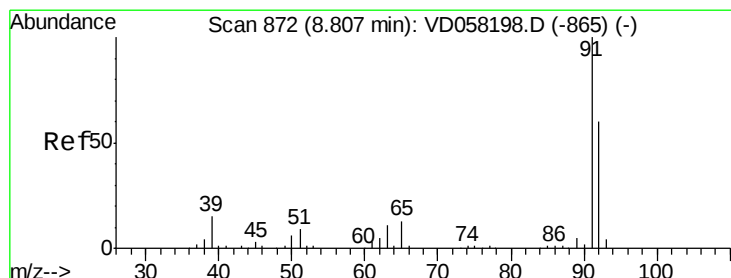
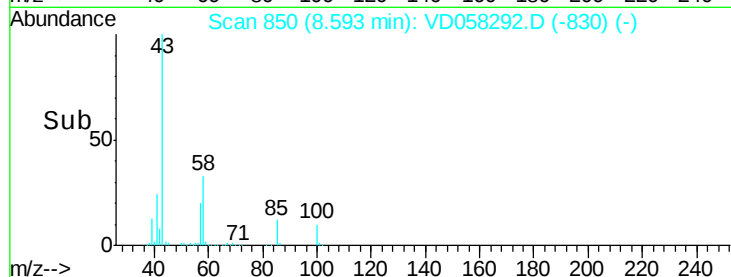
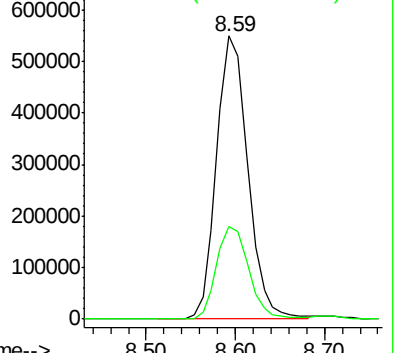
43 100

58 32.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.70 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058292.D

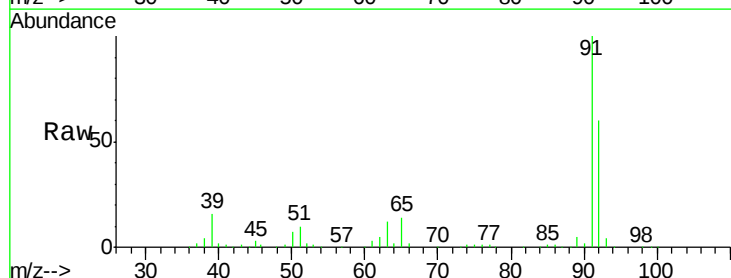
Acq: 22 Jun 2018 12:32

Tgt Ion: 92 Resp: 777107

Ion Ratio Lower Upper

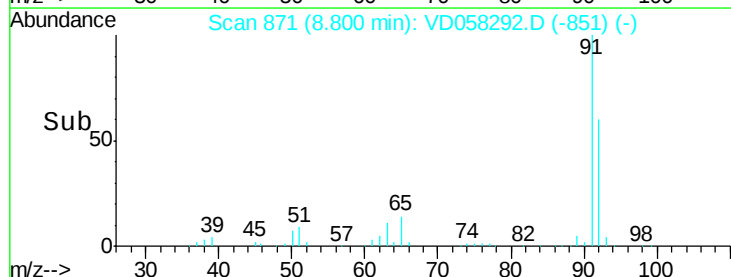
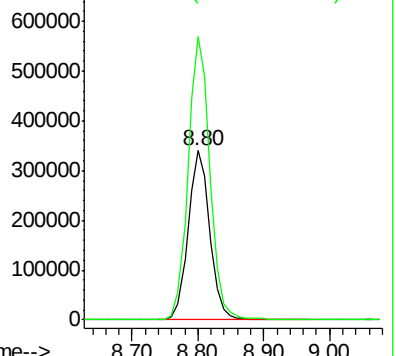
92 100

91 167.2 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

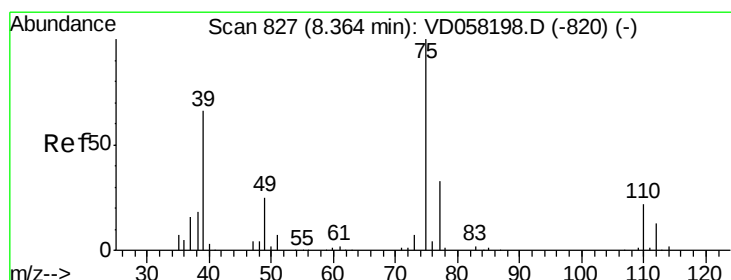
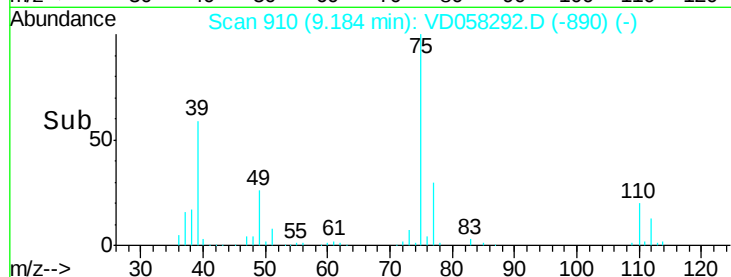
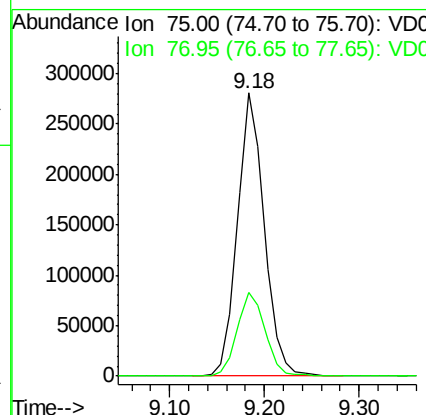
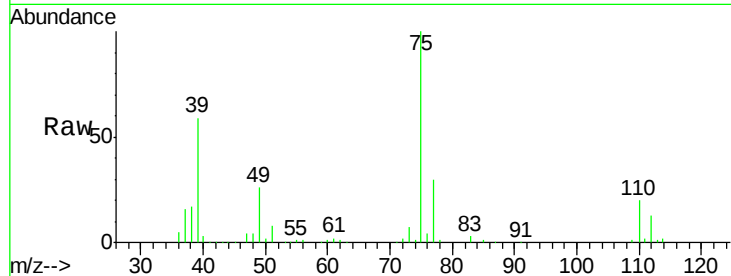




#53
 t-1,3-Dichloropropene
 Concen: 54.09 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

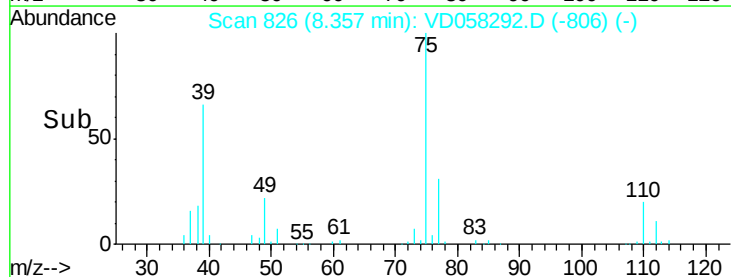
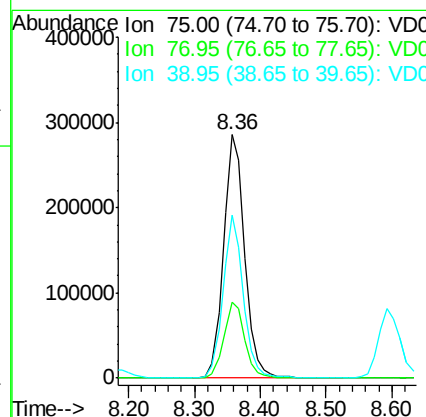
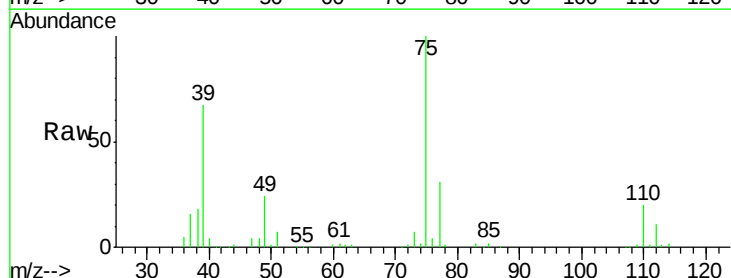
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

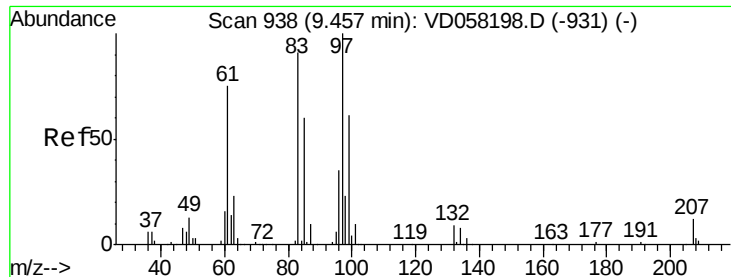
Tot Ion: 75 Resp: 552544
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.10 ug/l
 RT: 8.36 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 75 Resp: 635962
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7
 39 66.8 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 49.94 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 281970

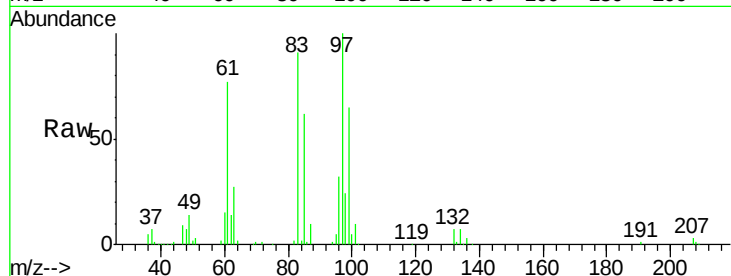
Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.9	109.3
85	62.1	48.2	72.4
99	64.5	48.9	73.3

97 100

83 90.9 72.9 109.3

85 62.1 48.2 72.4

99 64.5 48.9 73.3

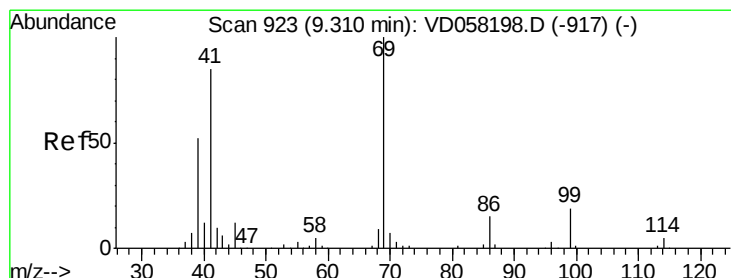
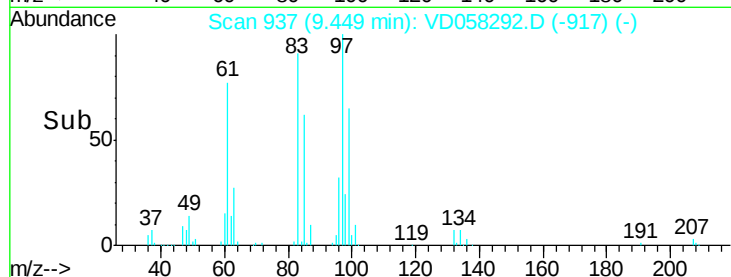
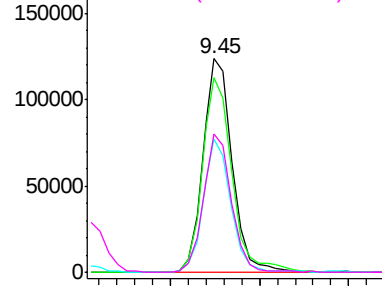


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 48.29 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

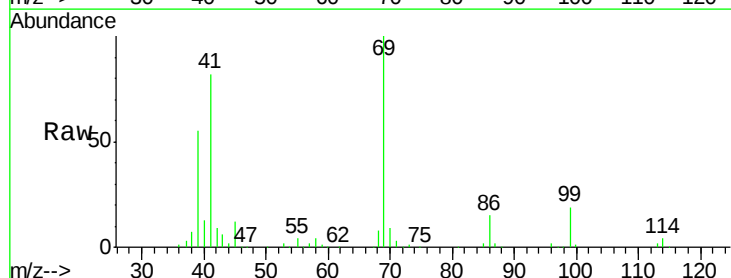
Tgt Ion: 69 Resp: 326057

Ion	Ratio	Lower	Upper
69	100		
41	81.6	67.6	101.4
39	54.7	42.2	63.2

69 100

41 81.6 67.6 101.4

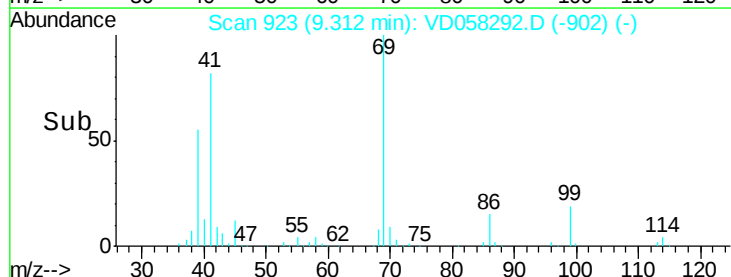
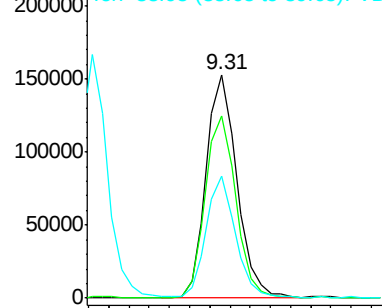
39 54.7 42.2 63.2

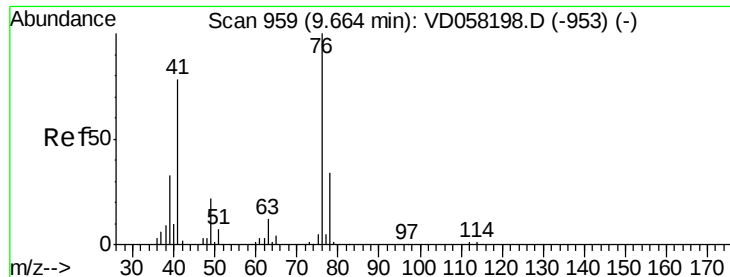


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

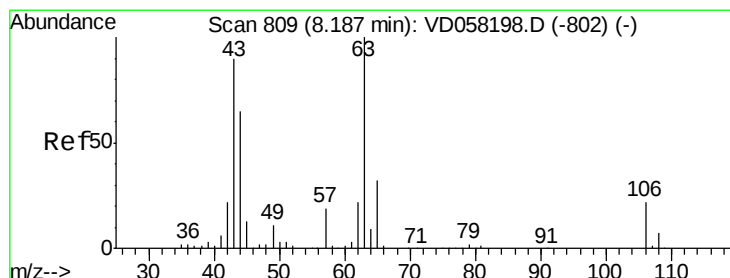
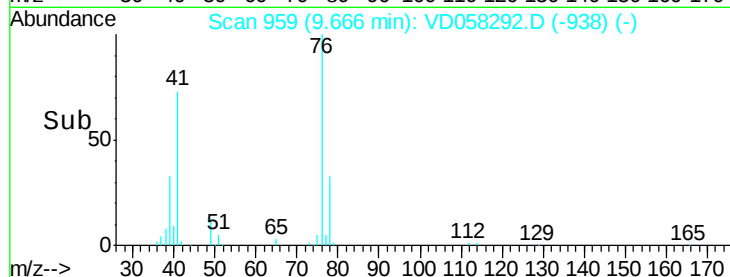
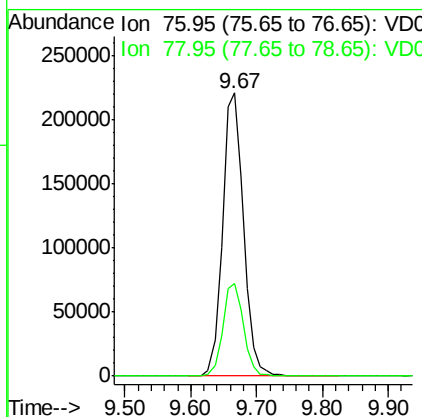
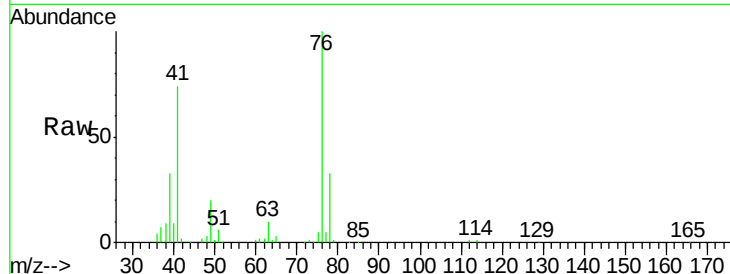




#57
 1,3-Dichloropropane
 Concen: 51.53 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

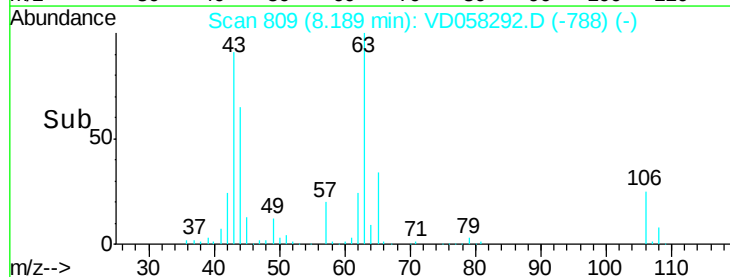
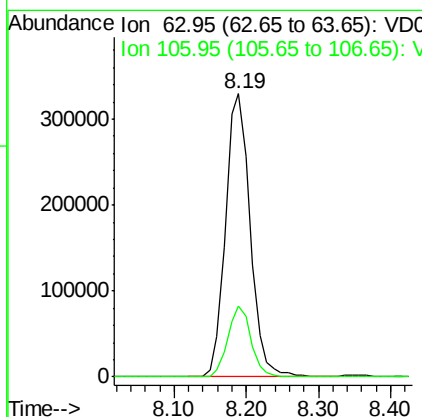
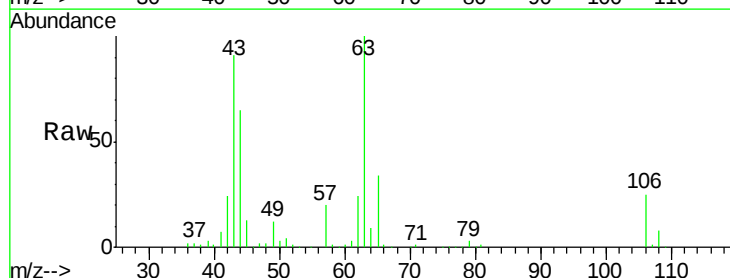
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

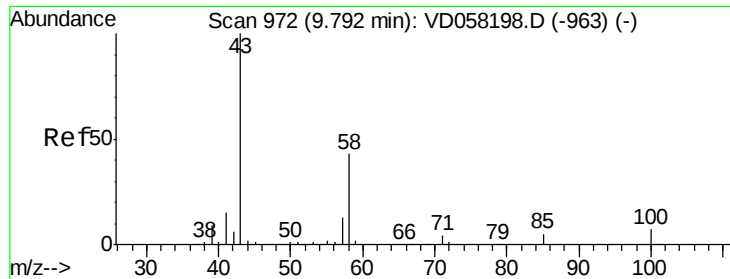
Tot Ion: 76 Resp: 490068
 Ion Ratio Lower Upper
 76 100
 78 32.7 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.58 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 63 Resp: 780806
 Ion Ratio Lower Upper
 63 100
 106 24.9 18.0 27.0

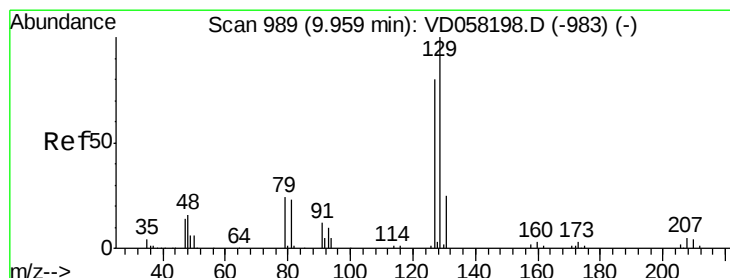
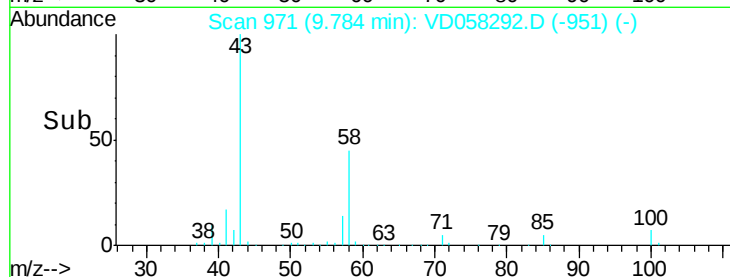
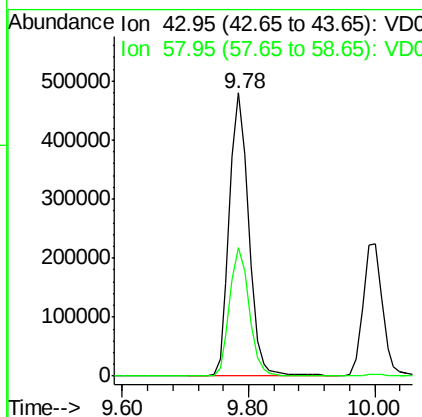
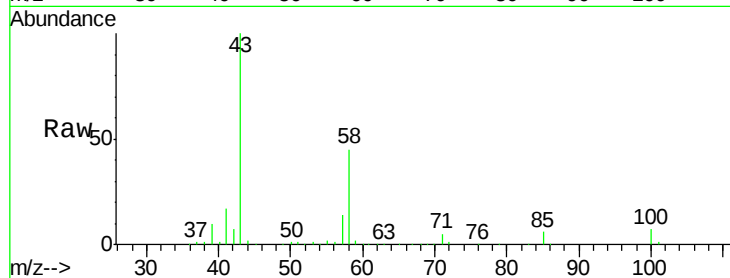




#59
2-Hexanone
Concen: 242.22 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

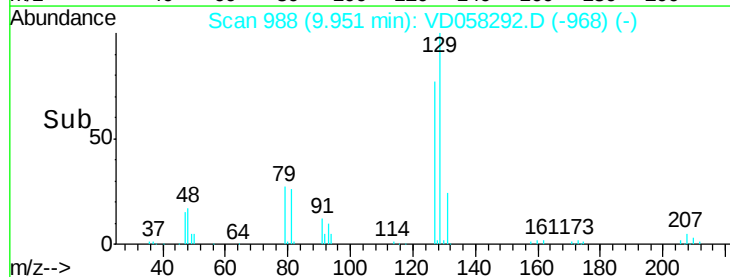
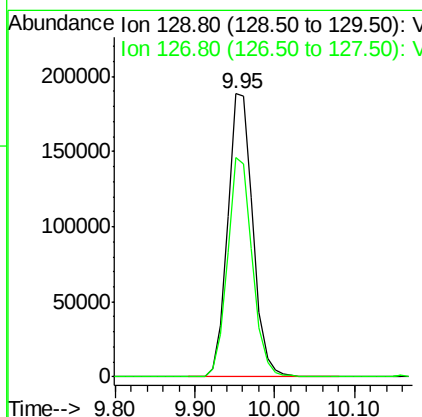
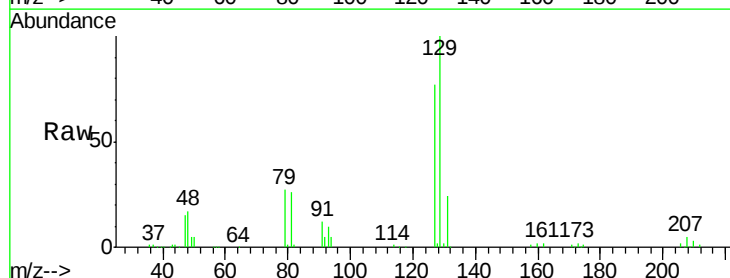
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1020283
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1



#60
Dibromochloromethane
Concen: 54.53 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion:129 Resp: 417806
Ion Ratio Lower Upper
129 100
127 77.4 39.8 119.4





#61

1,2-Dibromoethane

Concen: 51.30 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

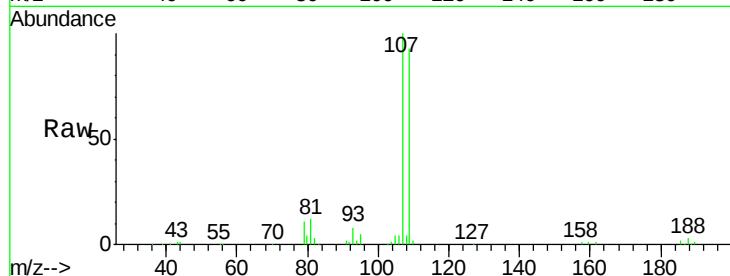
VSTDCCC050

Tot Ion:107 Resp: 317041

Ion Ratio Lower Upper

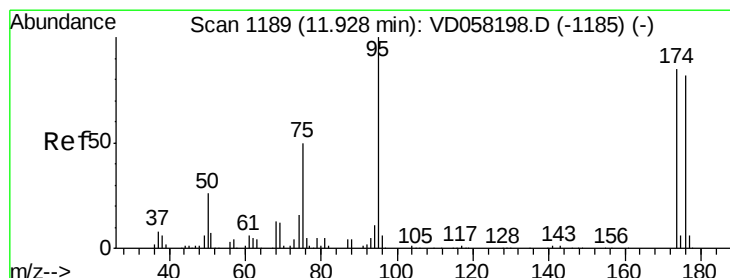
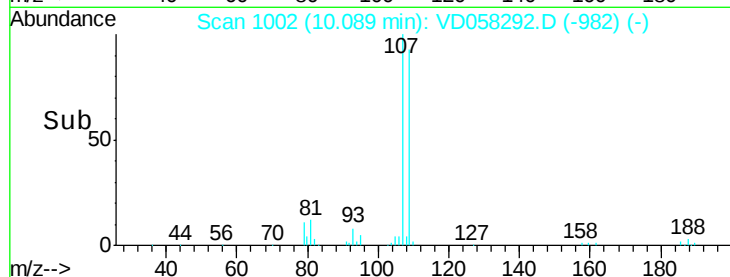
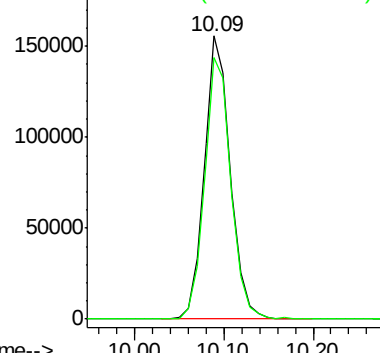
107 100

109 92.6 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 51.30 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

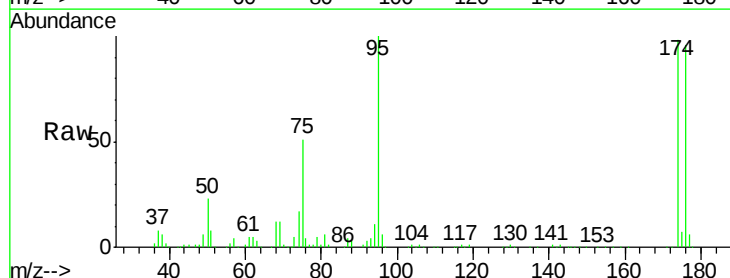
Tgt Ion: 95 Resp: 519820

Ion Ratio Lower Upper

95 100

174 98.5 0.0 170.2

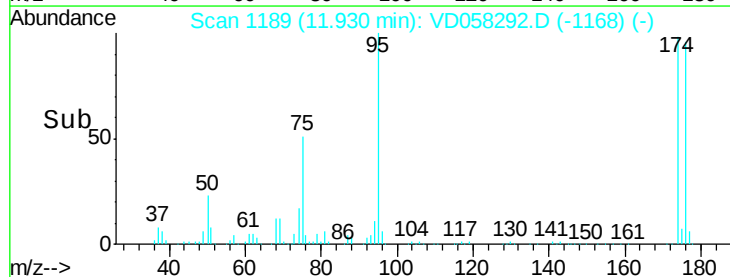
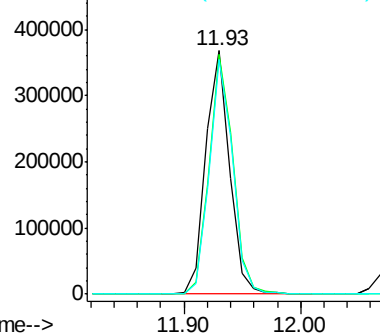
176 96.4 0.0 164.6

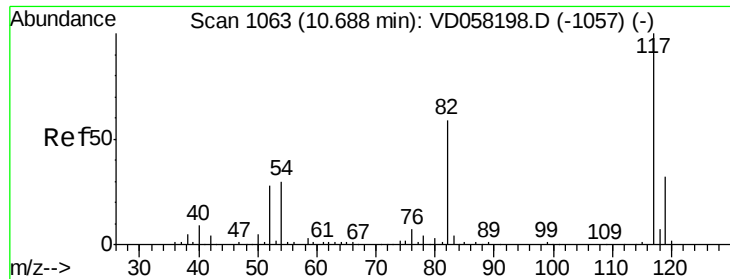


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

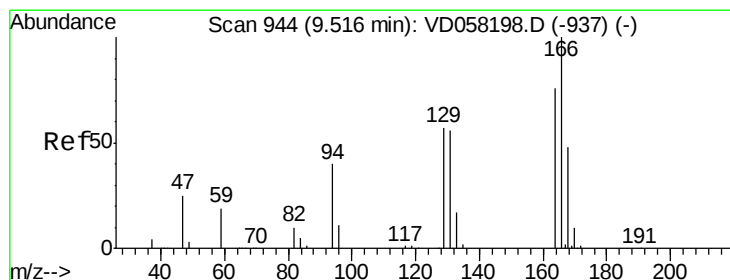
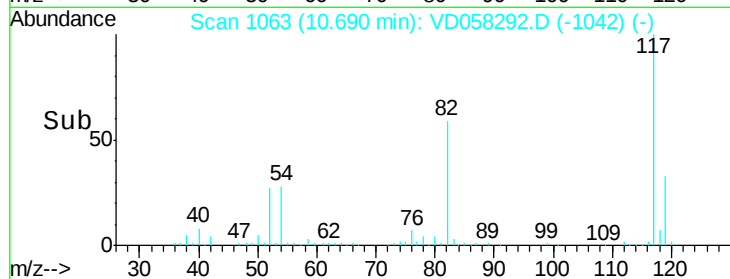
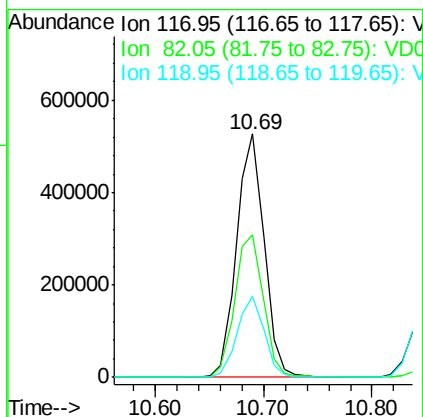
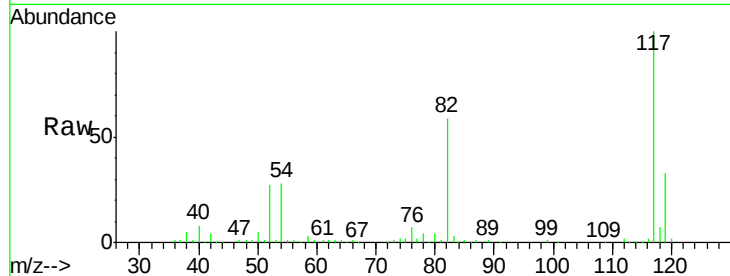




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

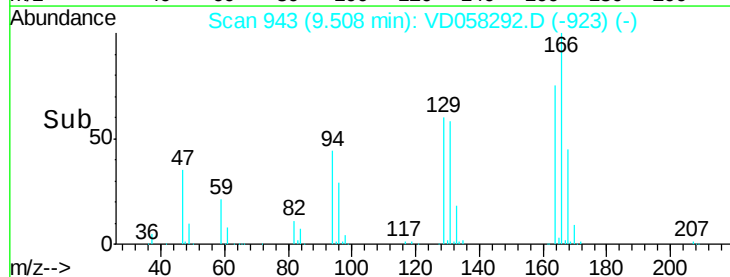
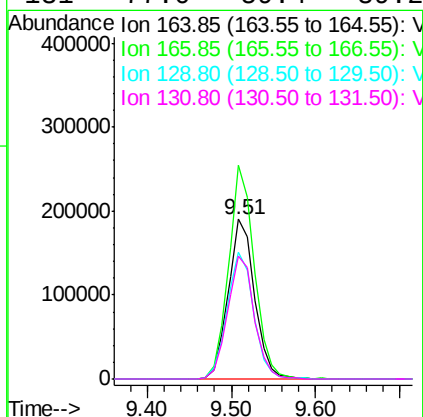
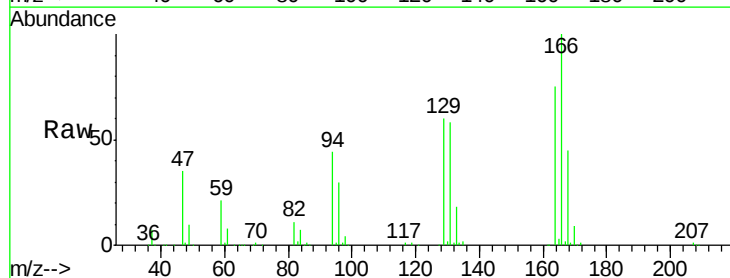
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

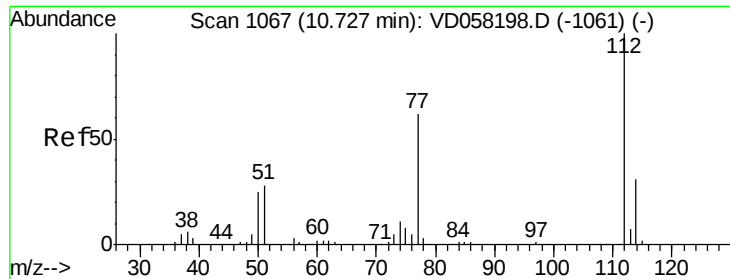
Tot Ion:117 Resp: 931635
Ion Ratio Lower Upper
117 100
82 58.6 47.0 70.6
119 33.1 25.3 37.9



#64
Tetrachloroethene
Concen: 52.76 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion:164 Resp: 413567
Ion Ratio Lower Upper
164 100
166 133.5 105.4 158.0
129 79.6 59.6 89.4
131 77.0 59.4 89.2





#65

Chlorobenzene

Concen: 51.58 ug/l

RT: 10.72 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

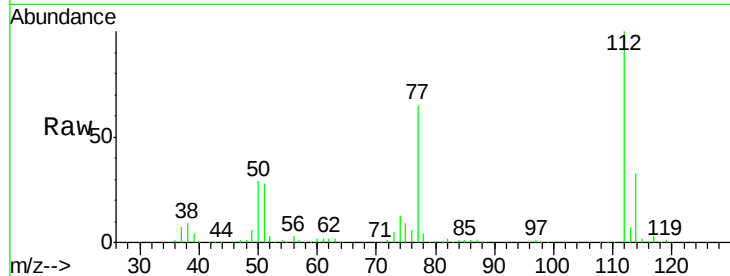
VSTDCCC050

Tot Ion:112 Resp: 898847

Ion Ratio Lower Upper

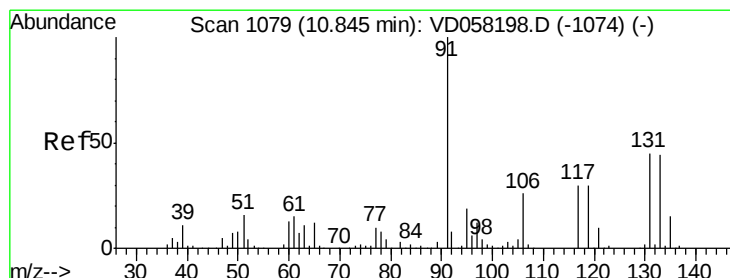
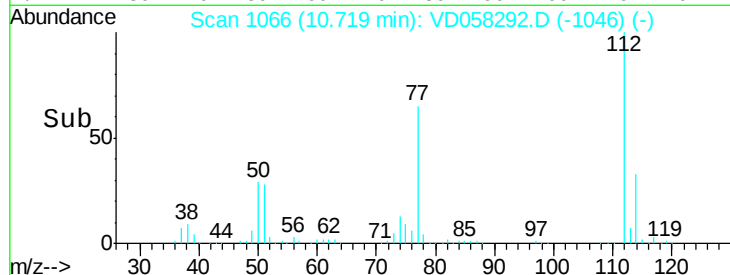
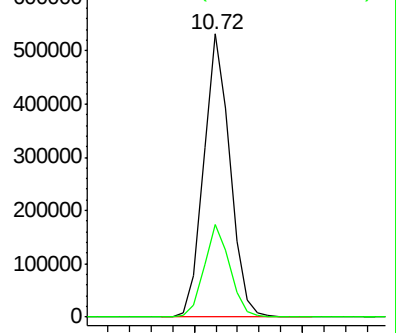
112 100

114 32.6 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.06 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

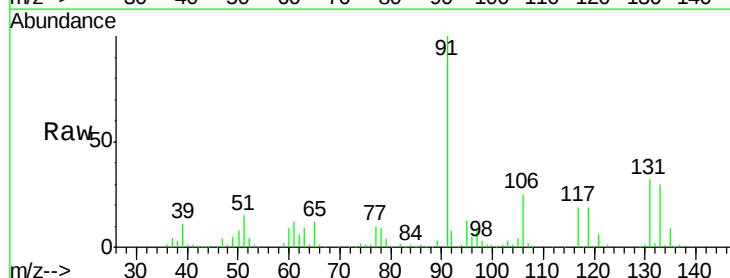
Tgt Ion:131 Resp: 356841

Ion Ratio Lower Upper

131 100

133 95.4 48.6 145.9

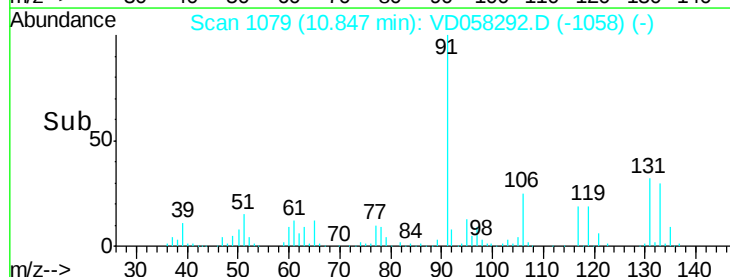
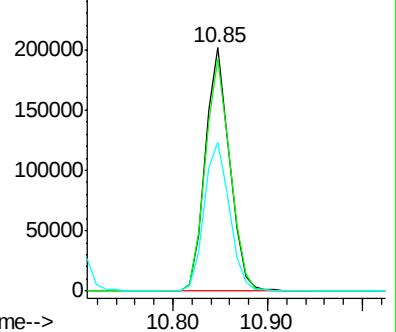
119 61.0 33.0 99.0



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

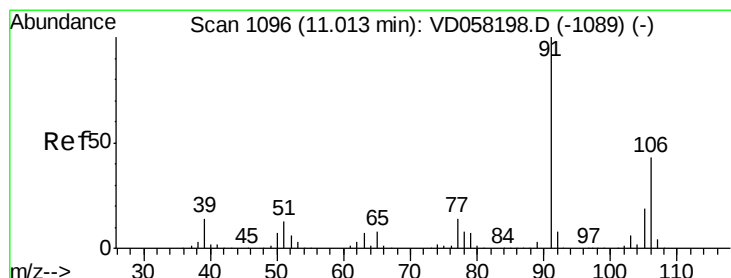
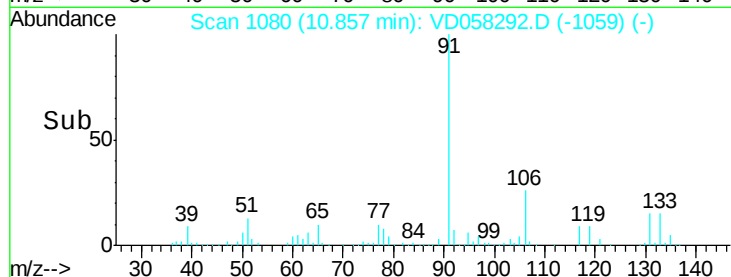
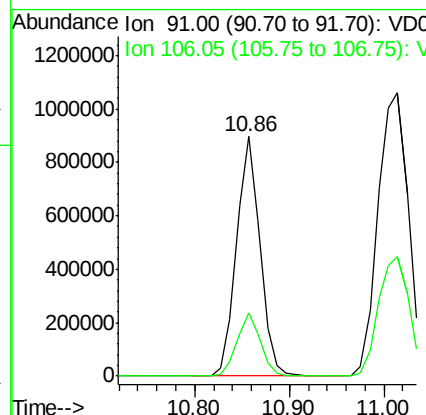
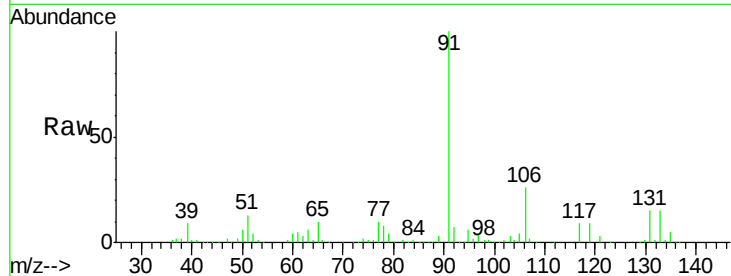




#67
Ethyl Benzene
Concen: 50.11 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

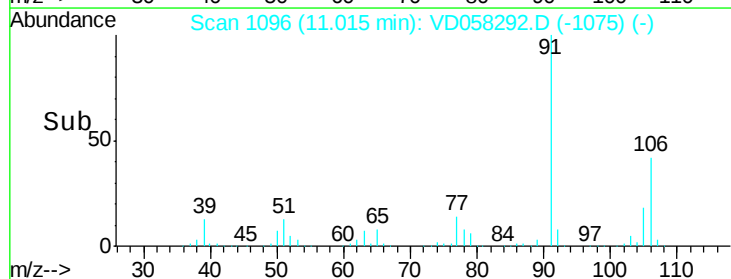
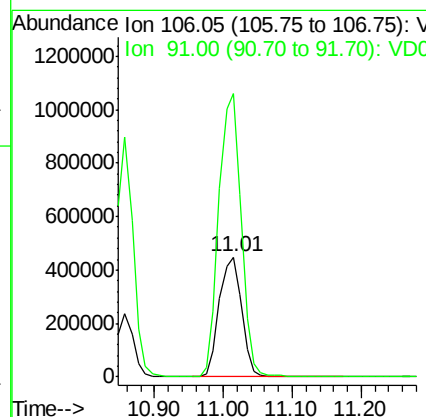
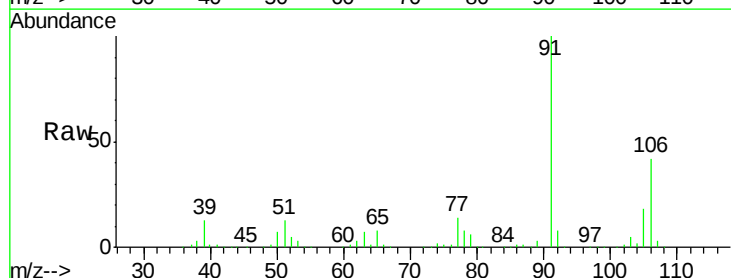
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

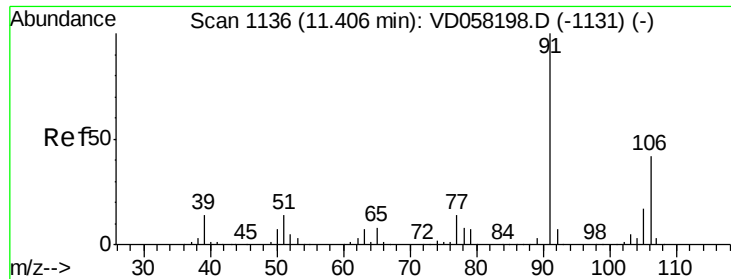
Tot Ion: 91 Resp: 1541551
Ion Ratio Lower Upper
91 100
106 26.4 22.0 33.0



#68
m/p-Xylenes
Concen: 98.42 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 106 Resp: 1009811
Ion Ratio Lower Upper
106 100
91 236.6 185.0 277.6

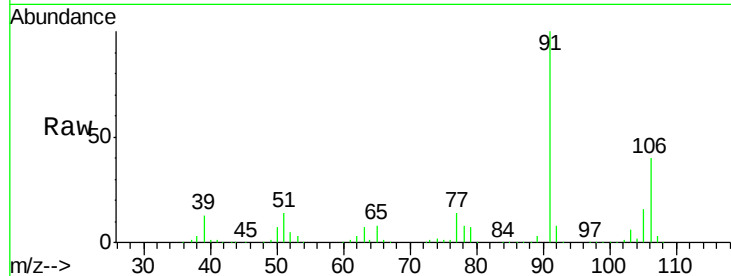




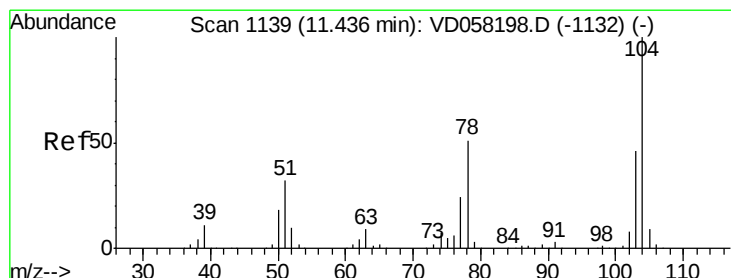
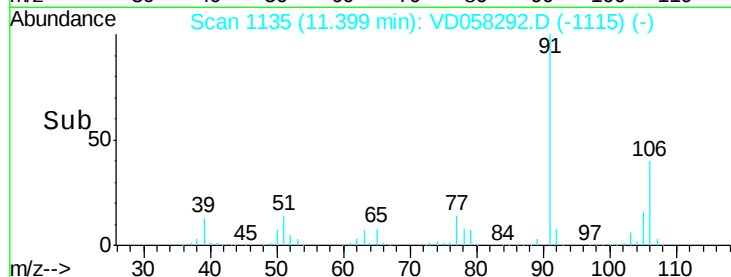
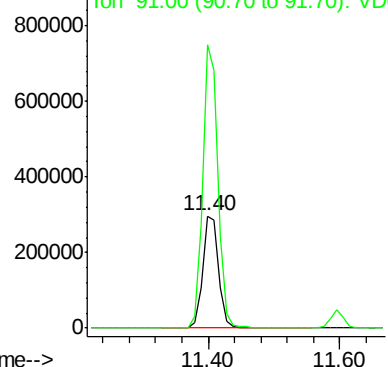
#69
o-Xylene
Concen: 50.76 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 497416
Ion Ratio Lower Upper
106 100
91 251.9 120.2 360.6

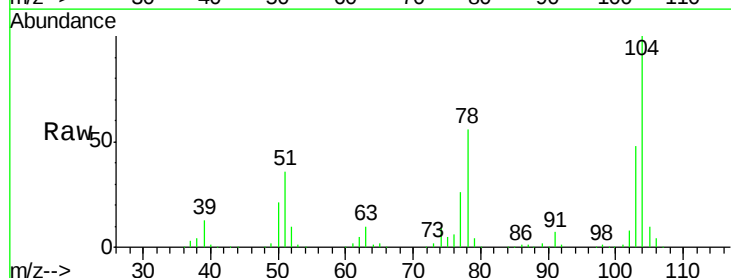


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

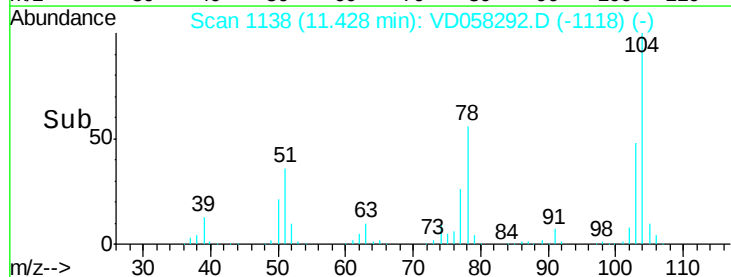
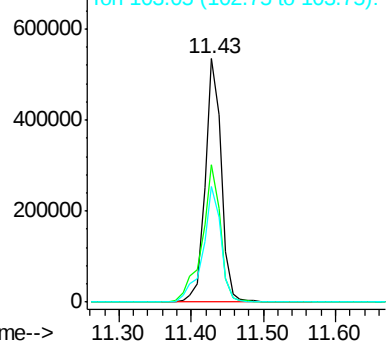


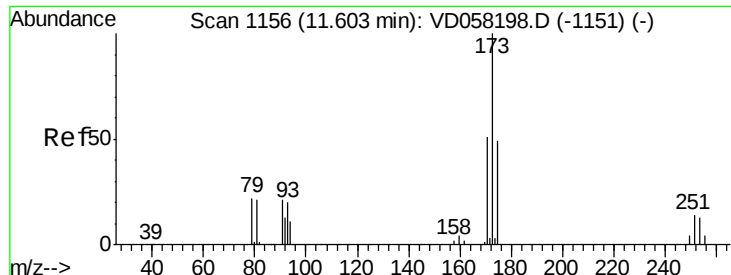
#70
Styrene
Concen: 49.75 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion:104 Resp: 831850
Ion Ratio Lower Upper
104 100
78 56.4 40.8 61.2
103 47.7 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: 54.23 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

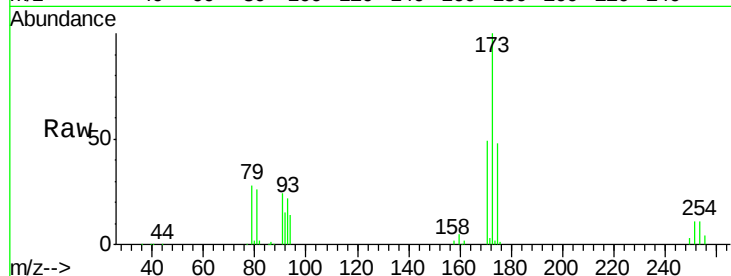
Tot Ion:173 Resp: 290926

Ion Ratio Lower Upper

173 100

175 48.1 24.6 74.0

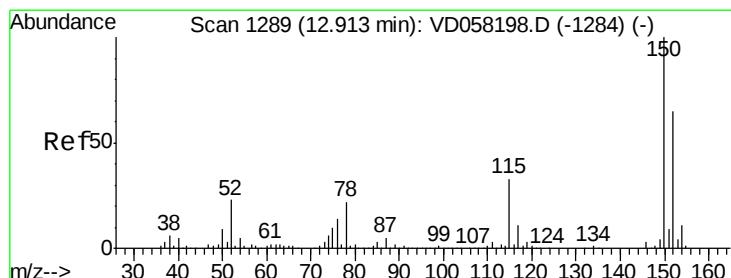
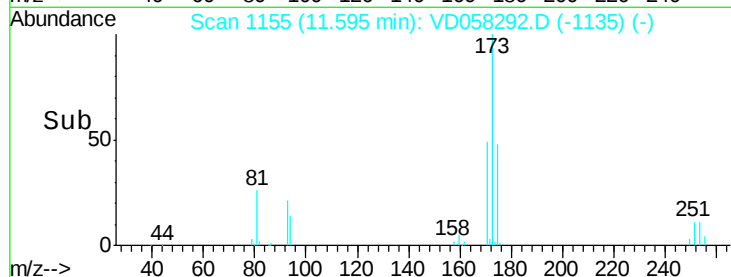
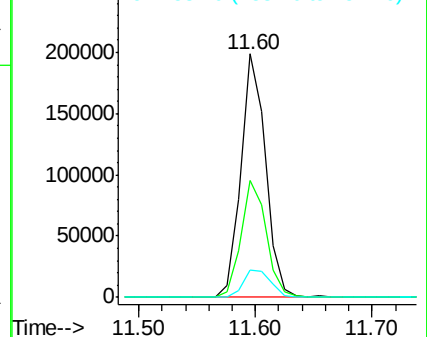
254 11.3 10.3 15.5



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: 12.90 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

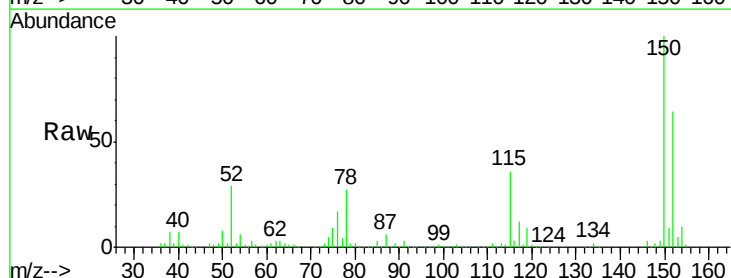
Tgt Ion:152 Resp: 470934

Ion Ratio Lower Upper

152 100

115 55.8 25.1 75.3

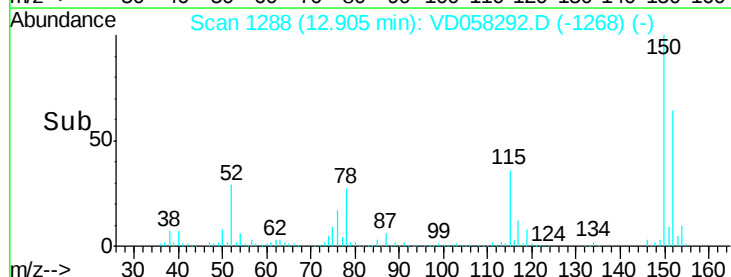
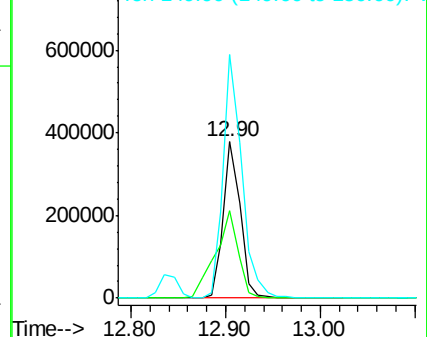
150 156.0 0.0 308.8

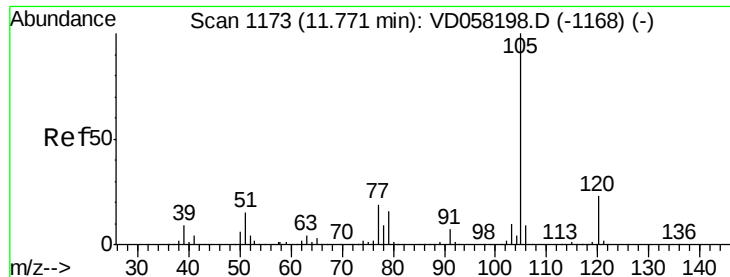


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.71 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

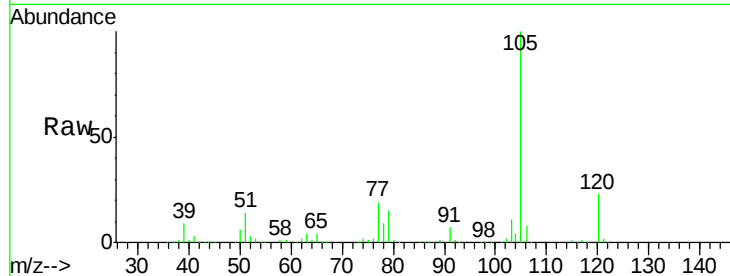
VSTDCCC050

Tot Ion:105 Resp: 1428297

Ion Ratio Lower Upper

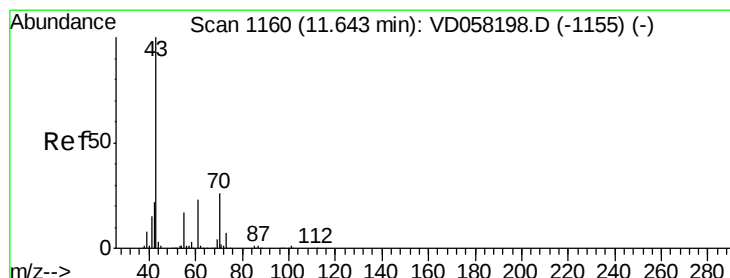
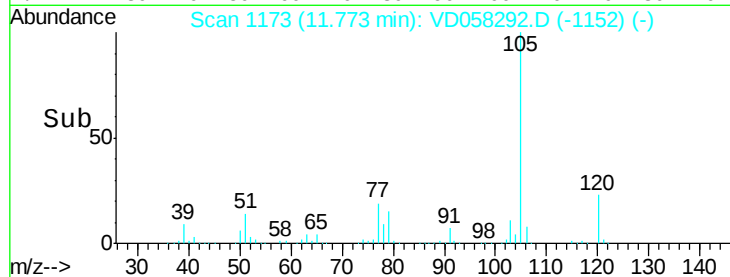
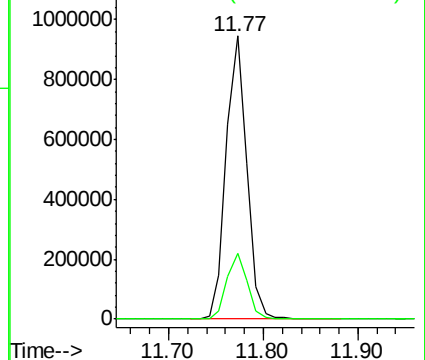
105 100

120 23.3 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: 50.43 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Tgt Ion: 43 Resp: 549229

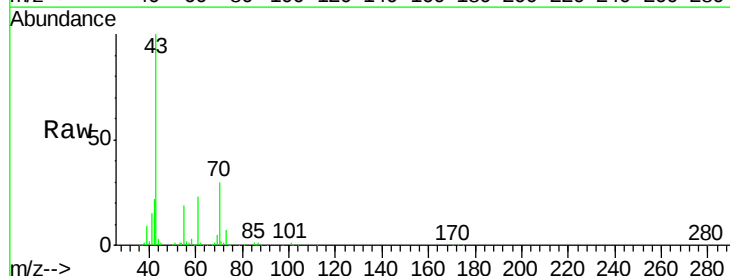
Ion Ratio Lower Upper

43 100

70 30.3 20.9 31.3

55 18.8 13.5 20.3

61 22.9 18.2 27.2

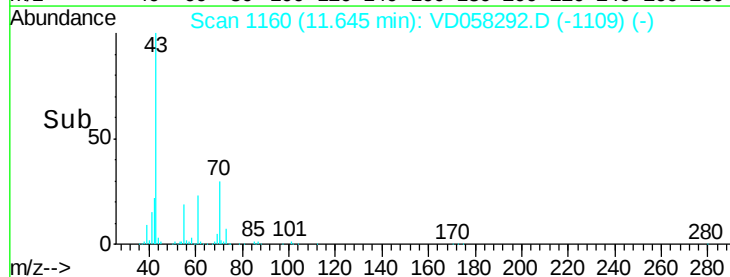
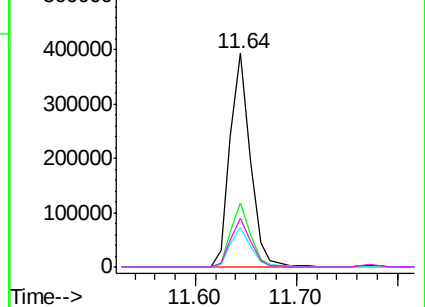


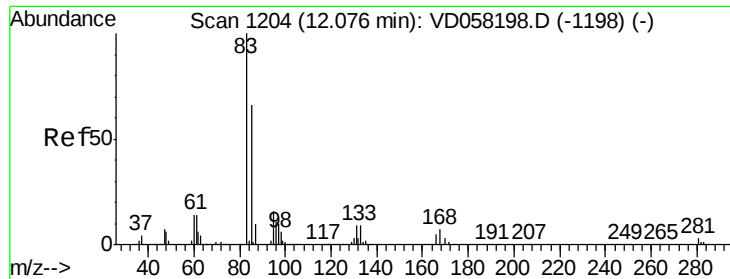
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 51.68 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

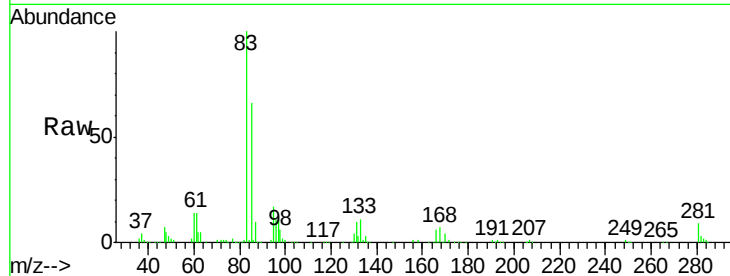
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 338775

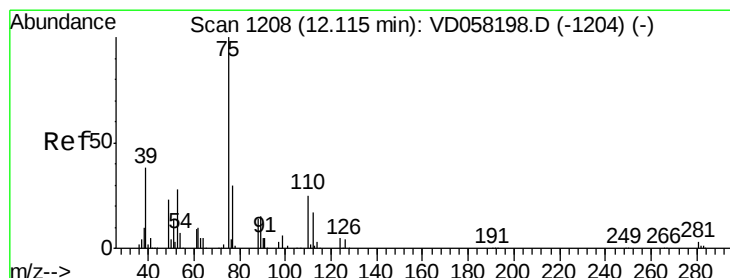
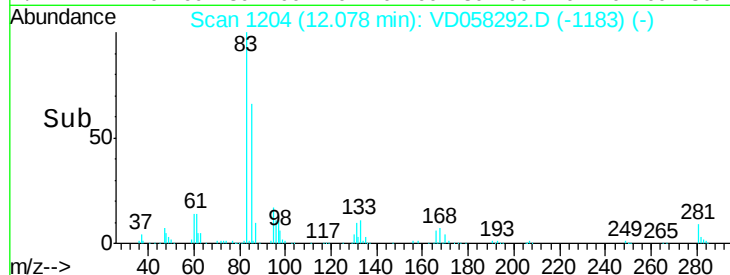
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	66.4	33.1	99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.93 ug/l

RT: 12.11 min Scan# 1207

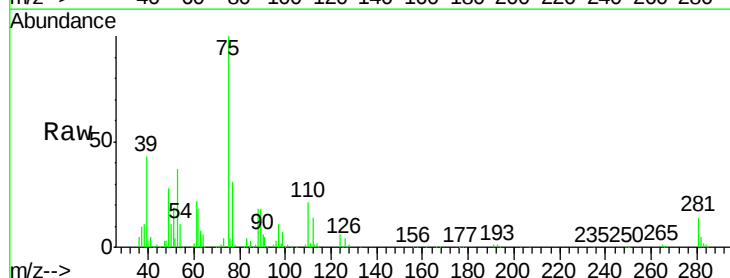
Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

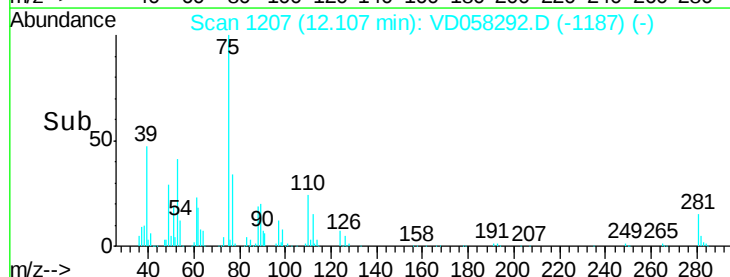
Tgt Ion: 75 Resp: 343319

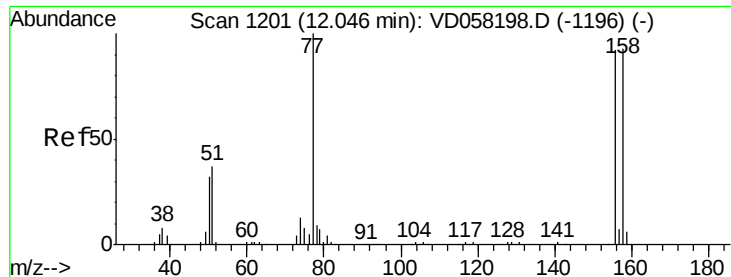
Ion	Ratio	Lower	Upper
75	100		
77	31.2	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.84 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

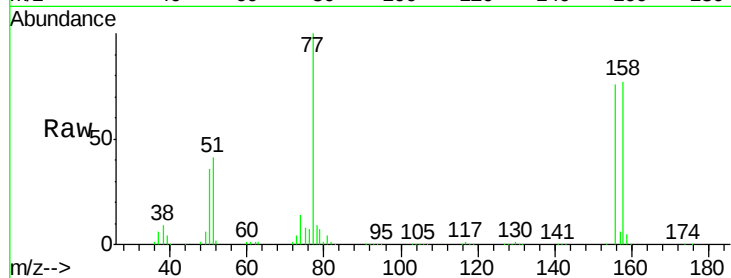
Tot Ion:156 Resp: 454134

Ion Ratio Lower Upper

156 100

77 131.2 54.5 163.6

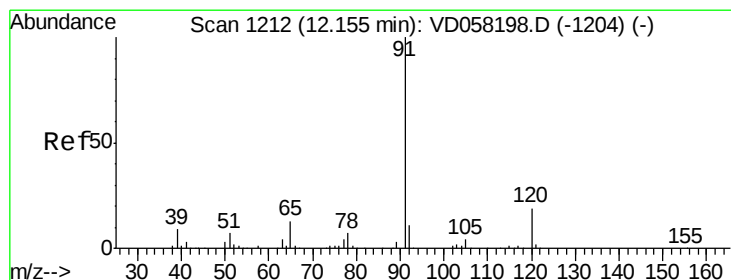
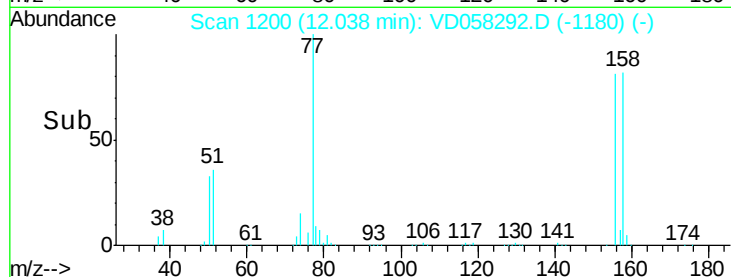
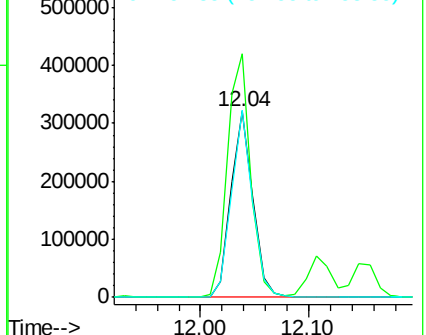
158 101.0 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.77 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058292.D

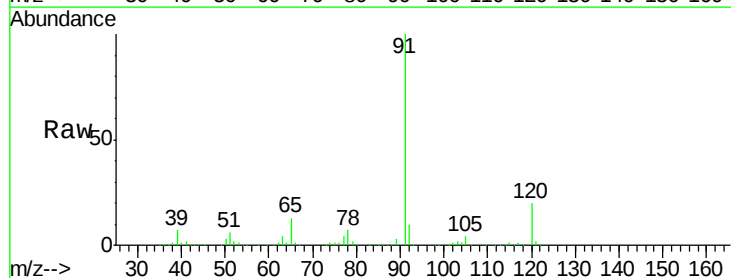
Acq: 22 Jun 2018 12:32

Tgt Ion: 91 Resp: 1919611

Ion Ratio Lower Upper

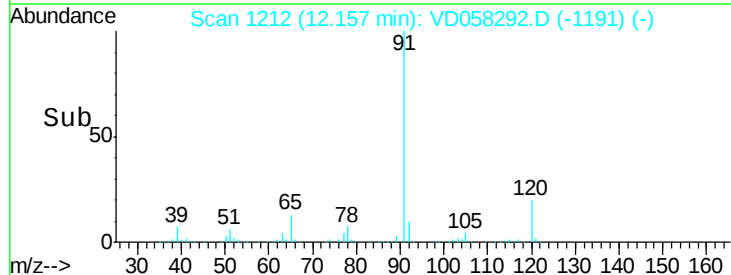
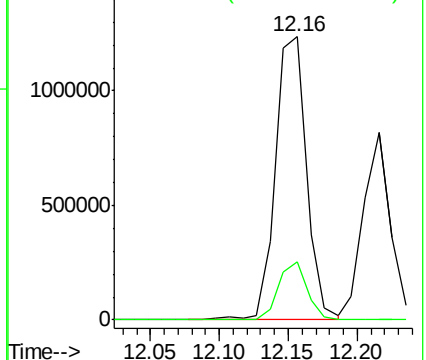
91 100

120 20.3 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

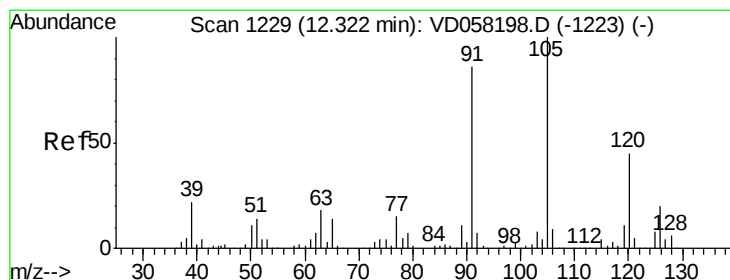
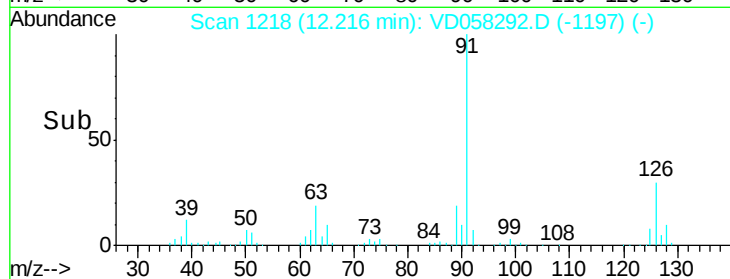
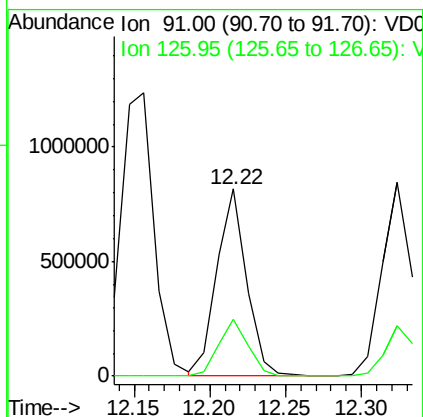
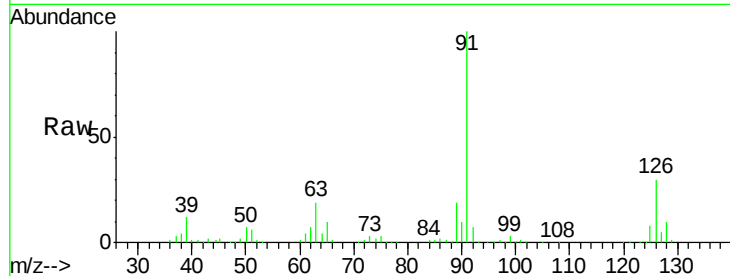




#79
 2-Chlorotoluene
 Concen: 53.62 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

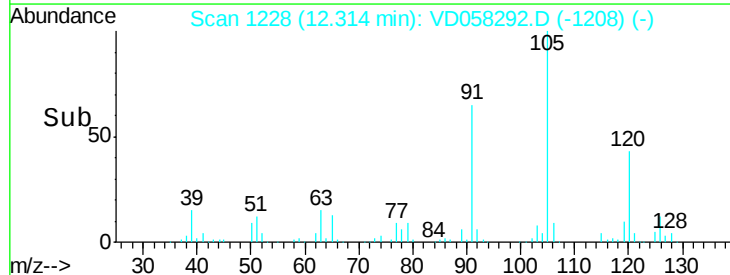
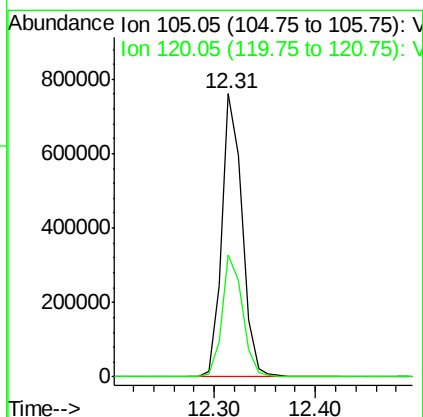
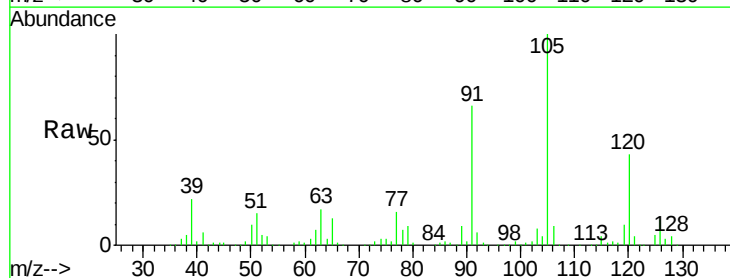
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1116089
 Ion Ratio Lower Upper
 91 100
 126 30.3 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.71 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 105 Resp: 1070205
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 53.16 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

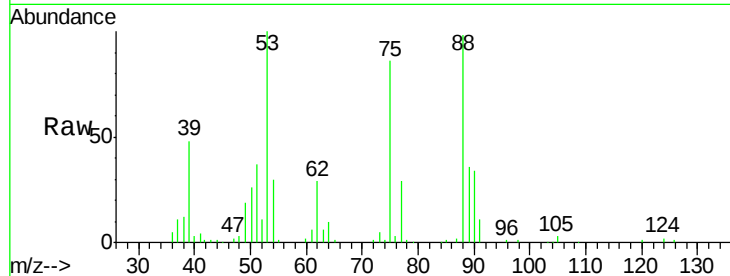
Tot Ion: 75 Resp: 89155

Ion Ratio Lower Upper

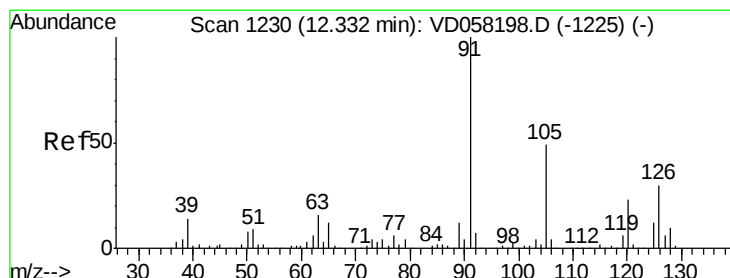
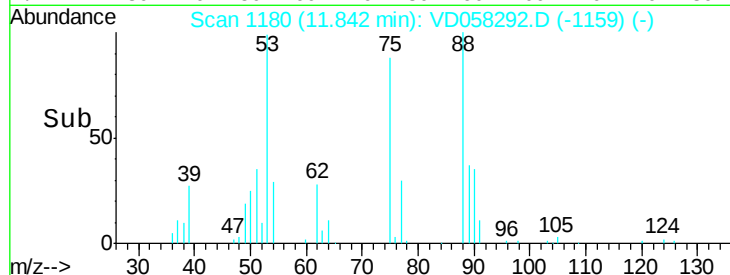
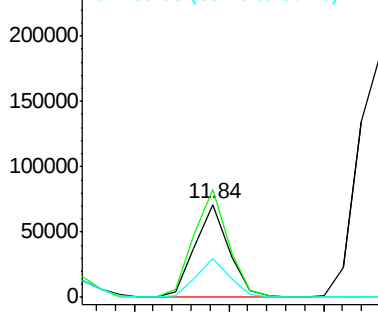
75 100

53 115.9 100.8 151.2

89 42.1 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 57.95 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058292.D

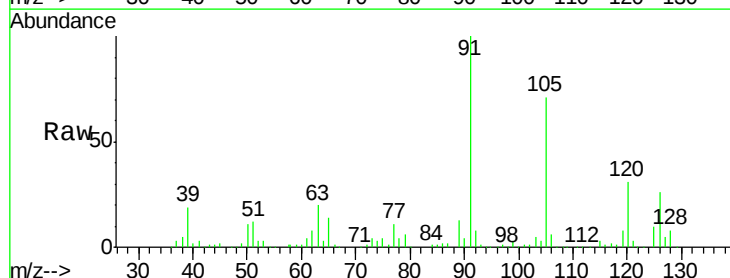
Acq: 22 Jun 2018 12:32

Tgt Ion: 91 Resp: 1158064

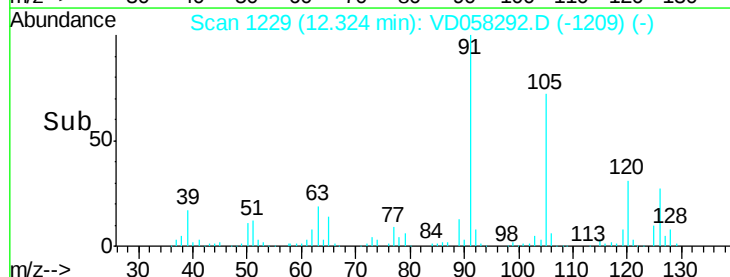
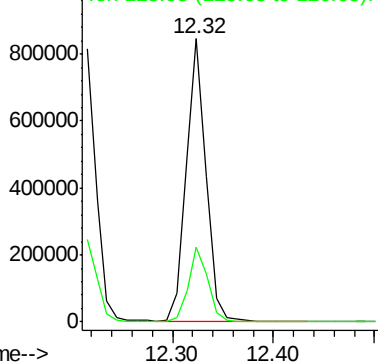
Ion Ratio Lower Upper

91 100

126 26.3 14.9 44.9



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

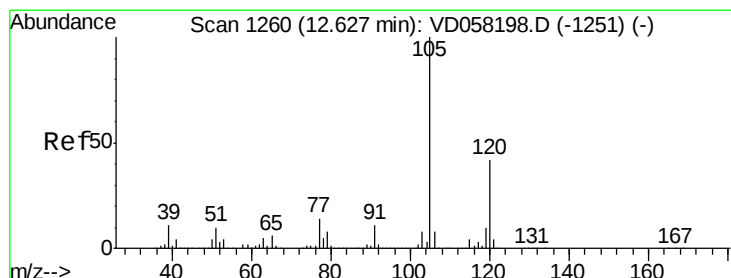
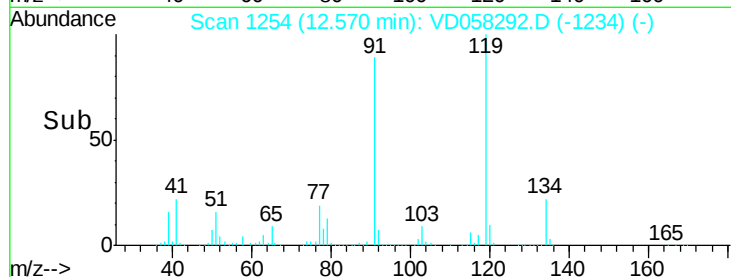
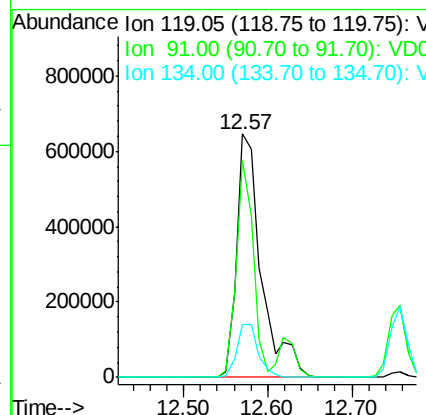
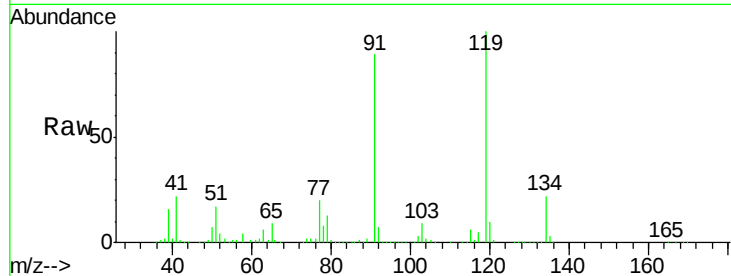




#83
tert-Butylbenzene
Concen: 52.11 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

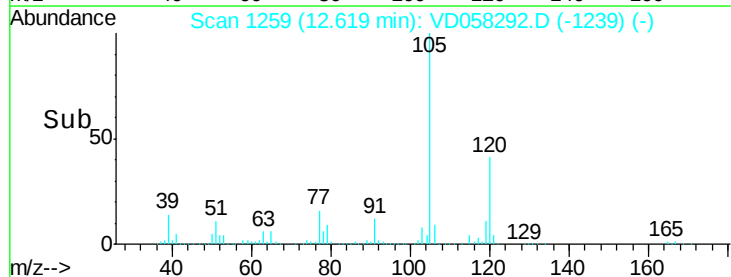
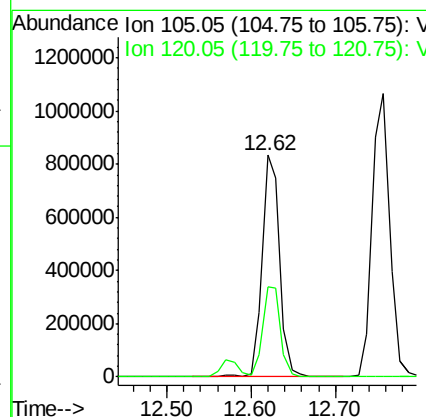
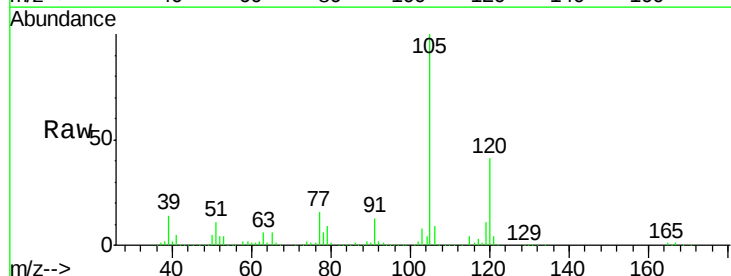
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

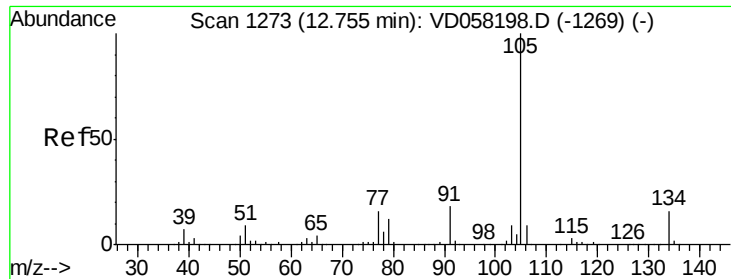
Tot Ion:119 Resp: 1316409
Ion Ratio Lower Upper
119 100
91 89.2 38.9 116.6
134 21.9 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 51.21 ug/l
RT: 12.62 min Scan# 1259
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion:105 Resp: 1222987
Ion Ratio Lower Upper
105 100
120 40.7 20.8 62.4





#85

sec-Butylbenzene

Concen: 52.11 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

Instrument :

MSVOA_D

ClientSampleId :

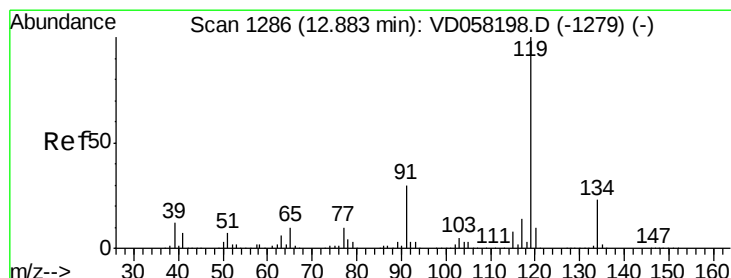
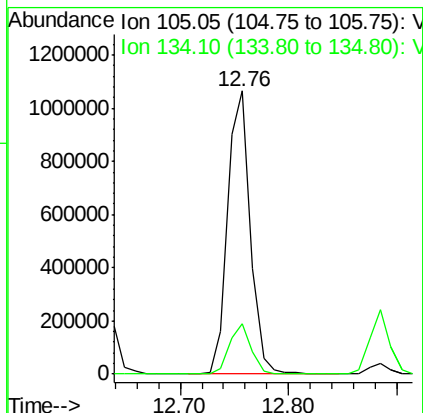
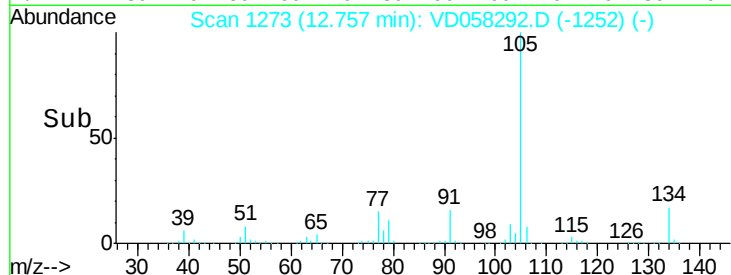
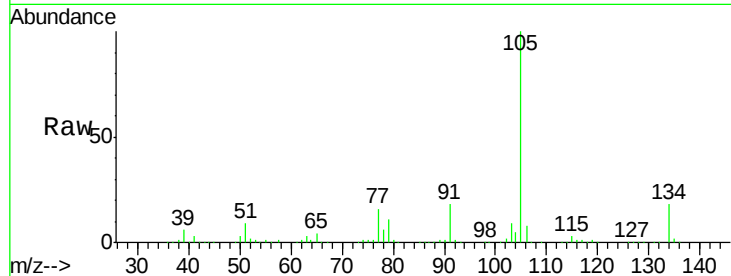
VSTDCCC050

Tot Ion:105 Resp: 1542907

Ion Ratio Lower Upper

105 100

134 17.8 8.1 24.3



#86

p-Isopropyltoluene

Concen: 52.56 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

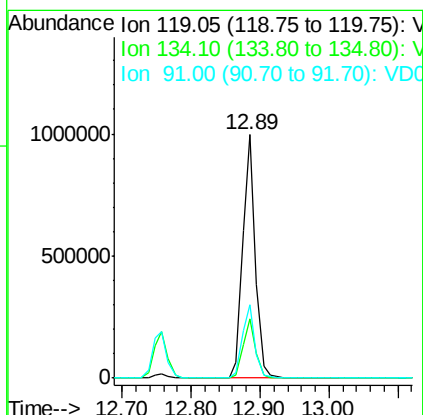
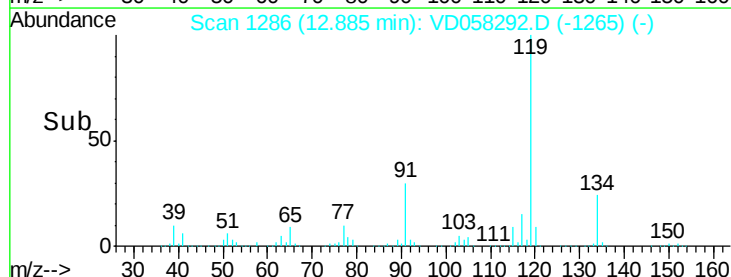
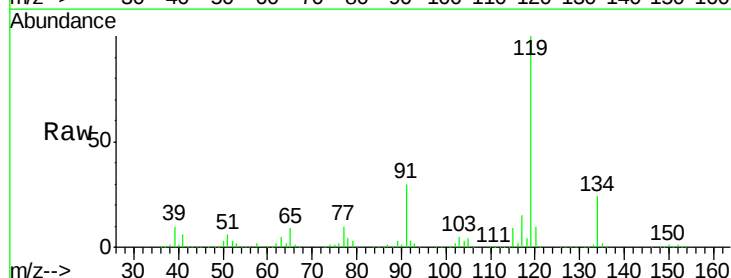
Tgt Ion:119 Resp: 1261130

Ion Ratio Lower Upper

119 100

134 24.1 11.6 34.8

91 29.9 15.0 45.1

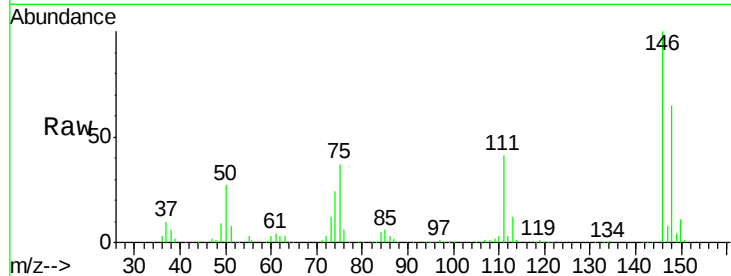




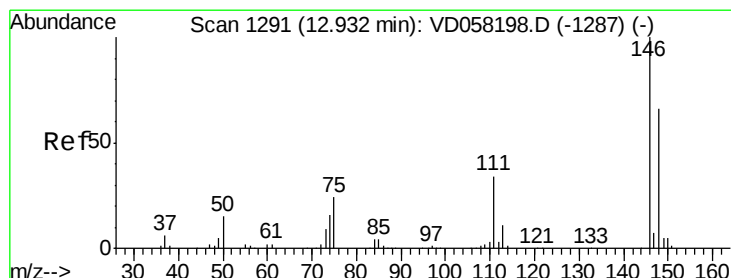
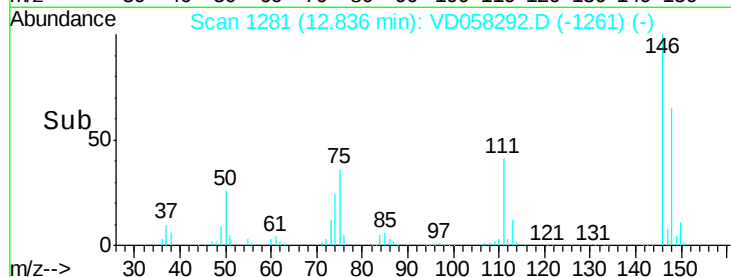
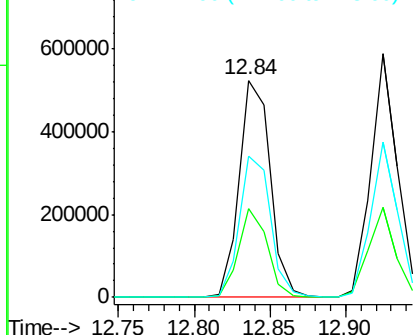
#87
 1,3-Dichlorobenzene
 Concen: 51.22 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 750993
 Ion Ratio Lower Upper
 146 100
 111 40.8 18.4 55.0
 148 65.4 32.8 98.4

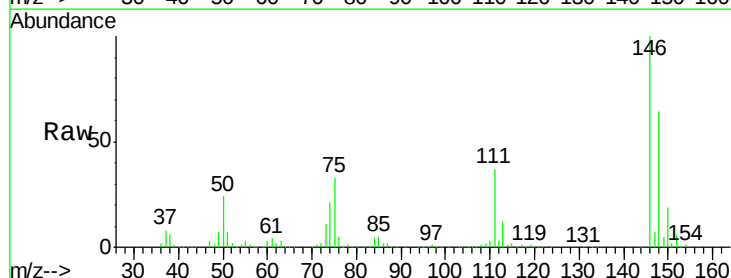


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

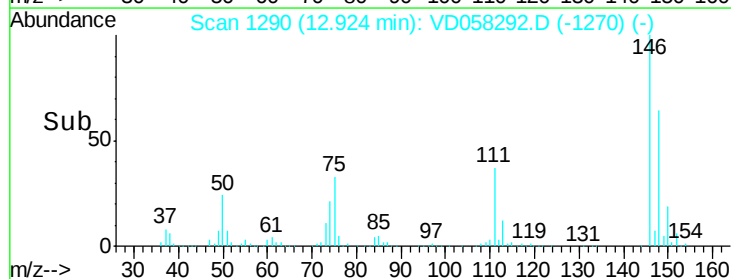
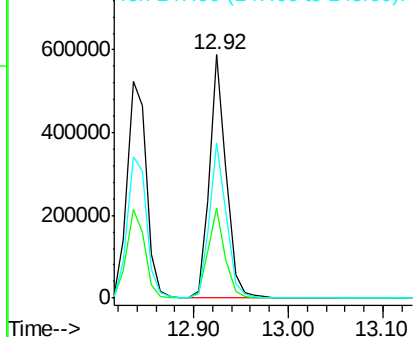


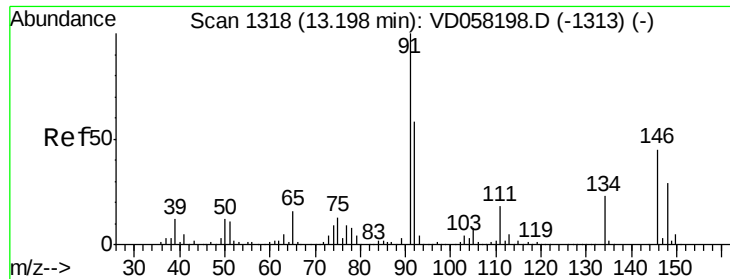
#88
 1,4-Dichlorobenzene
 Concen: 51.27 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion:146 Resp: 733962
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.2 51.5
 148 63.7 33.1 99.3



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

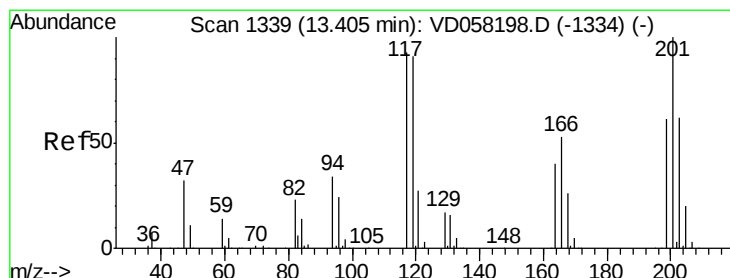
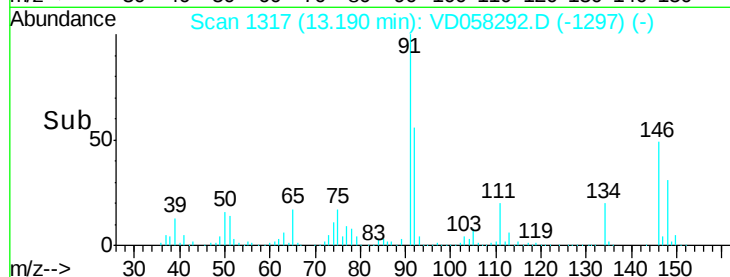
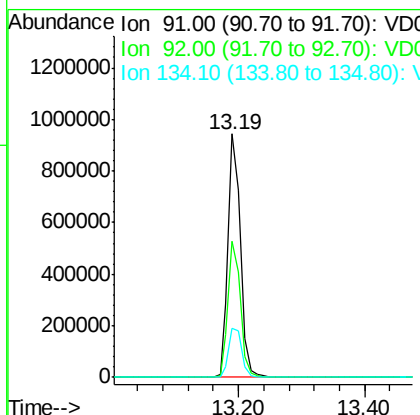
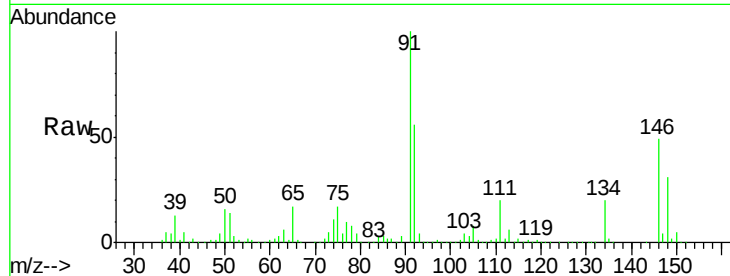




#89
n-Butylbenzene
Concen: 50.81 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

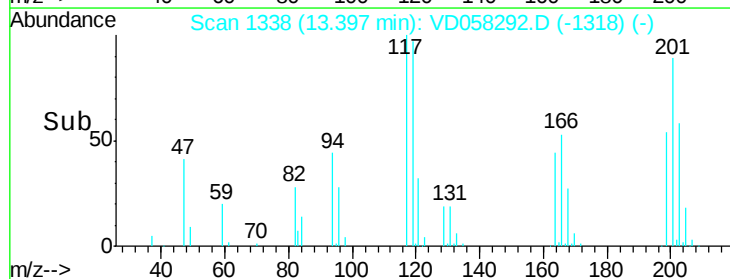
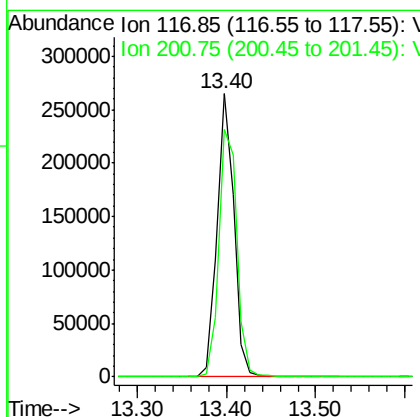
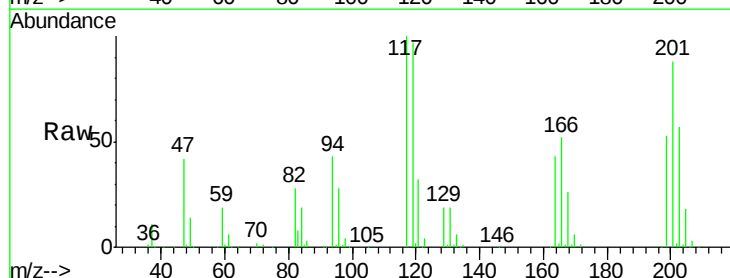
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

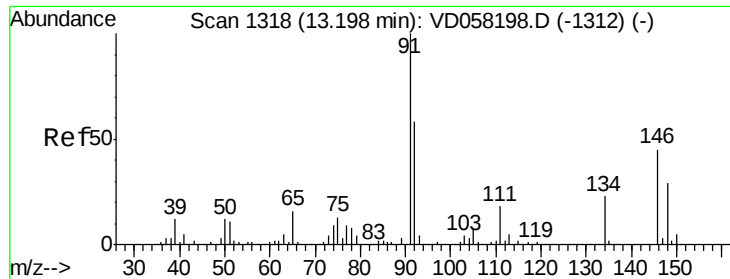
Tot Ion: 91 Resp: 1281241
Ion Ratio Lower Upper
91 100
92 55.8 29.2 87.6
134 20.0 11.3 33.8



#90
Hexachloroethane
Concen: 56.21 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion: 117 Resp: 350028
Ion Ratio Lower Upper
117 100
201 87.5 53.8 161.4

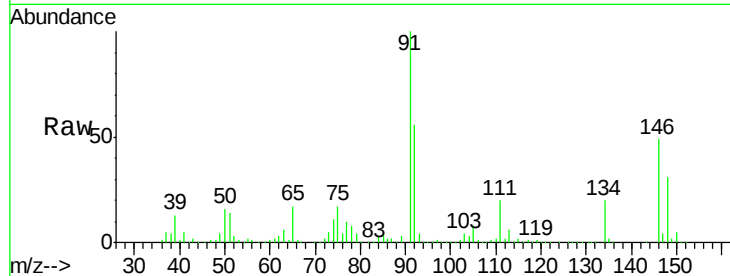




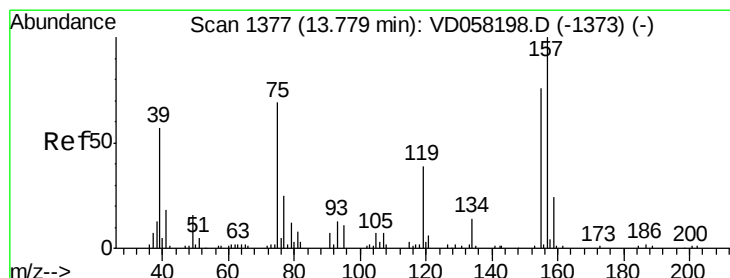
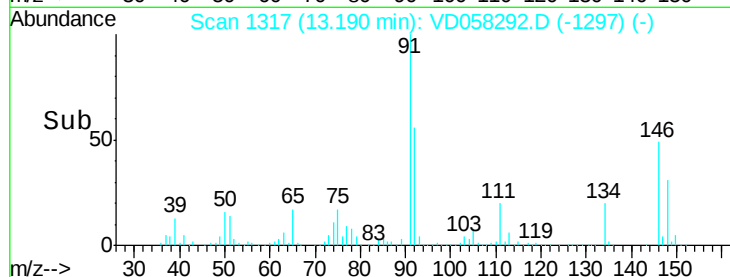
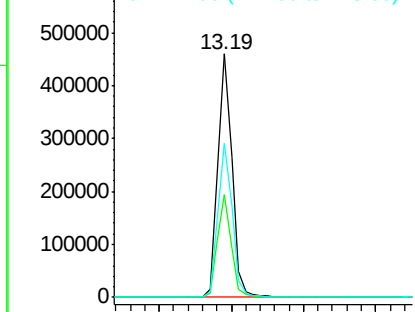
#91
 1,2-Dichlorobenzene
 Concen: 48.63 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 606758
 Ion Ratio Lower Upper
 146 100
 111 42.0 19.6 58.7
 148 63.4 32.0 96.2

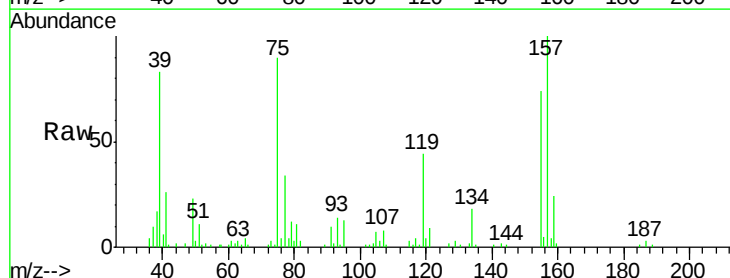


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

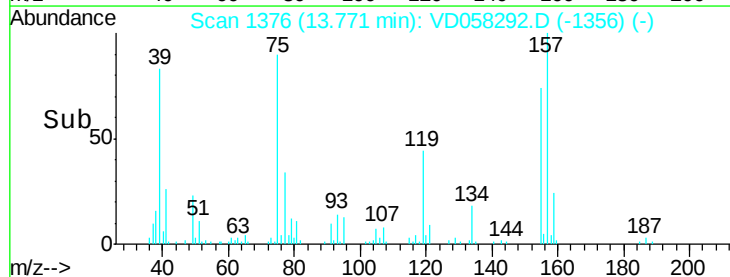
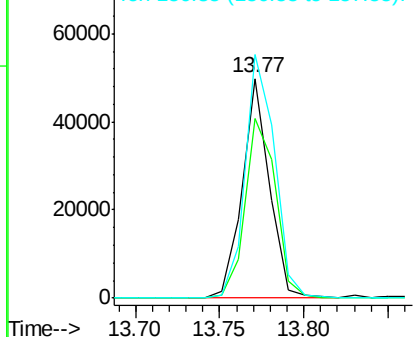


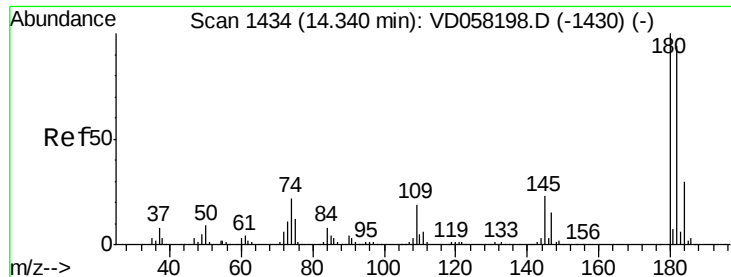
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.35 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion: 75 Resp: 55655
 Ion Ratio Lower Upper
 75 100
 155 82.0 54.5 163.5
 157 111.0 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

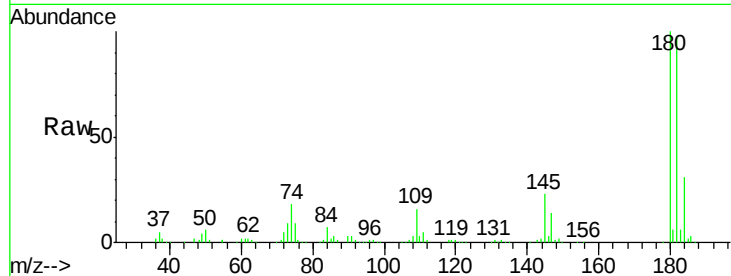




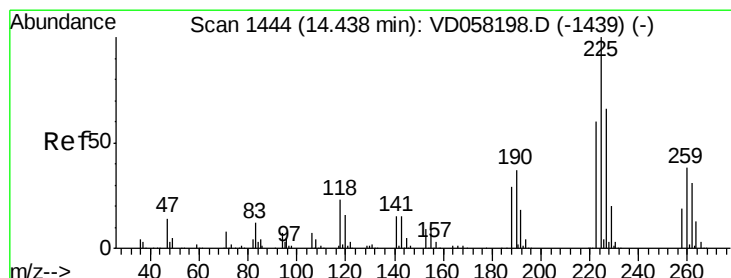
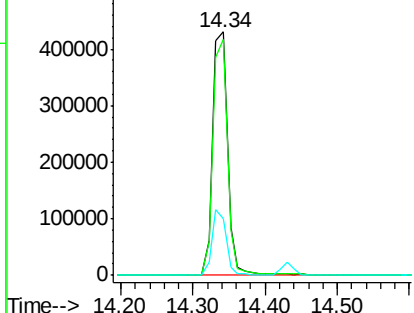
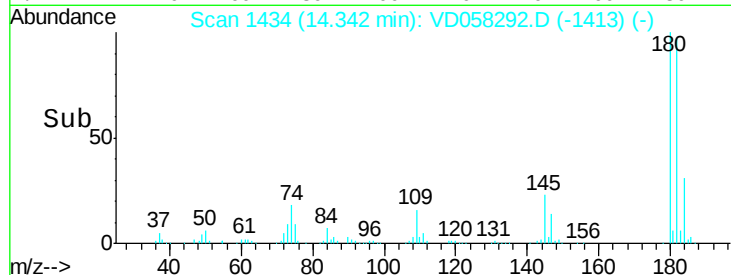
#93
 1,2,4-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 616159
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.1 141.3
 145 23.1 11.7 35.0

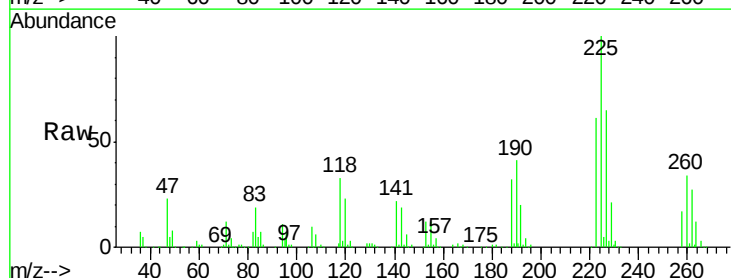


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

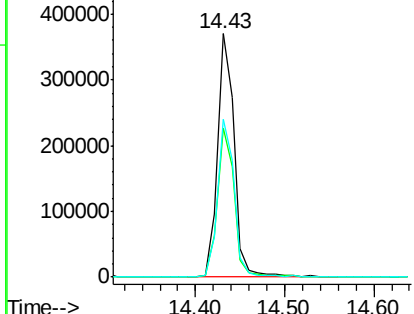
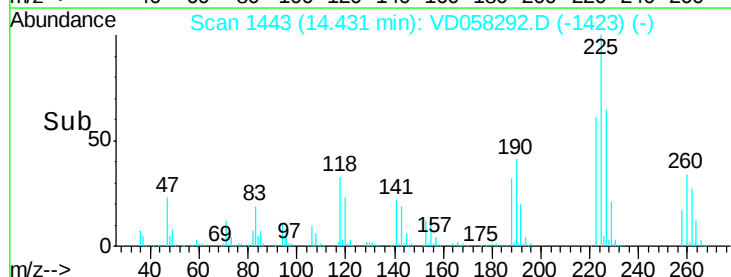


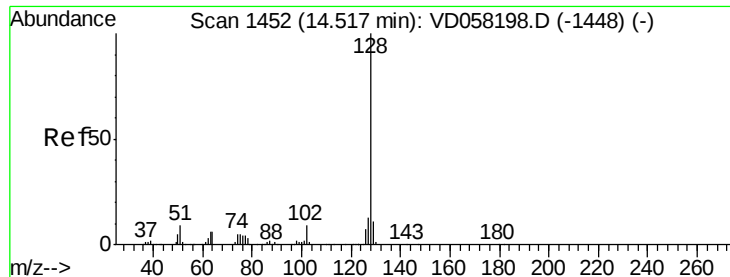
#94
 Hexachlorobutadiene
 Concen: 51.93 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Tgt Ion:225 Resp: 484681
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.1 90.3
 227 64.7 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

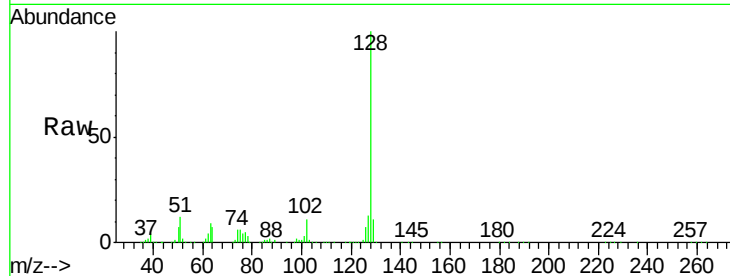




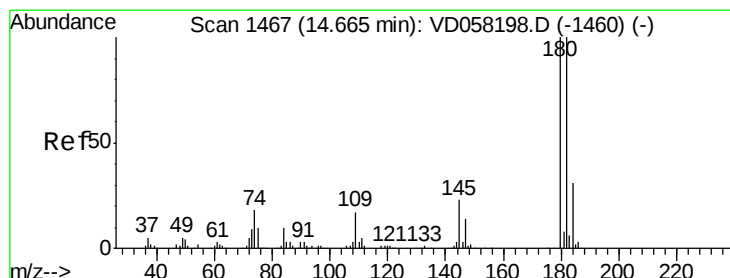
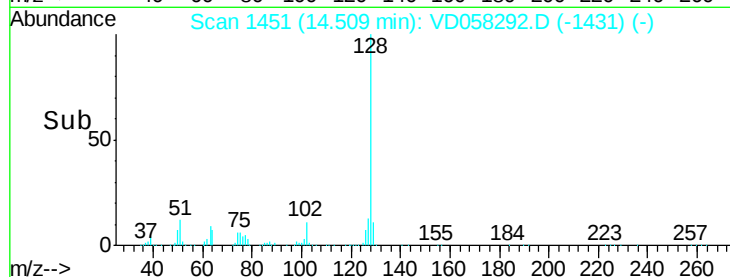
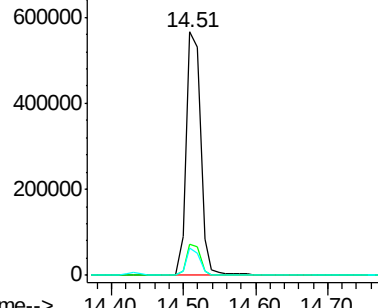
#95
Naphthalene
Concen: 49.68 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 780922
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 11.4 8.7 13.1

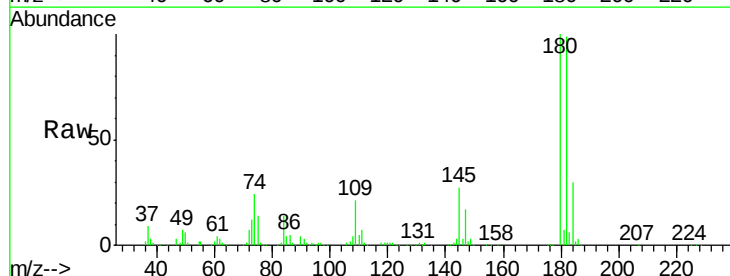


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.12 ug/l
RT: 14.66 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Tgt Ion:180 Resp: 534047
Ion Ratio Lower Upper
180 100
182 98.8 49.9 149.6
145 26.9 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

