

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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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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

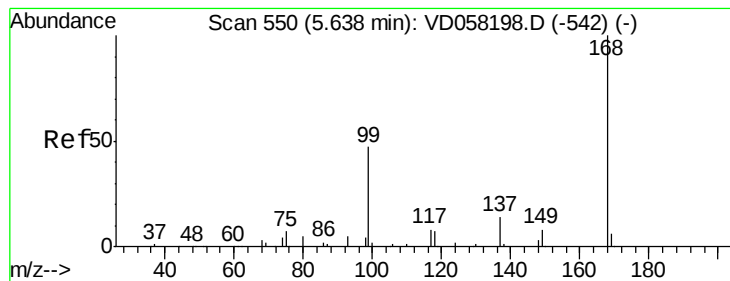
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058292.D
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

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 :

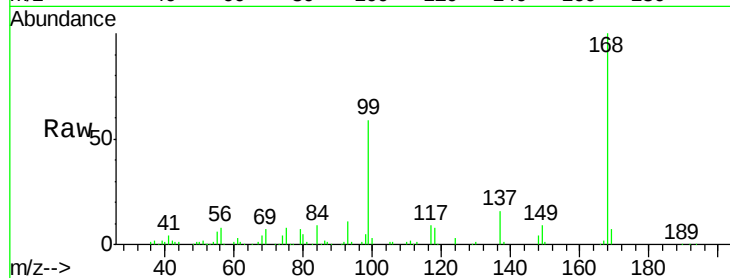
VSTDCCC050

Tot Ion:168 Resp: 886843

Ion Ratio Lower Upper

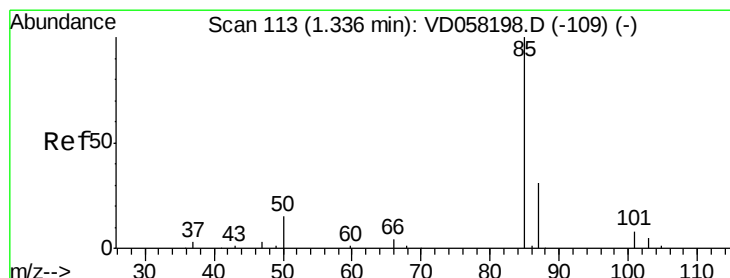
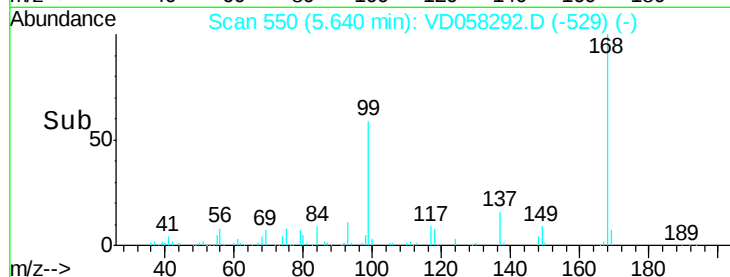
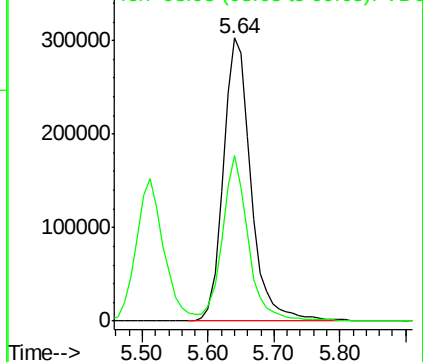
168 100

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

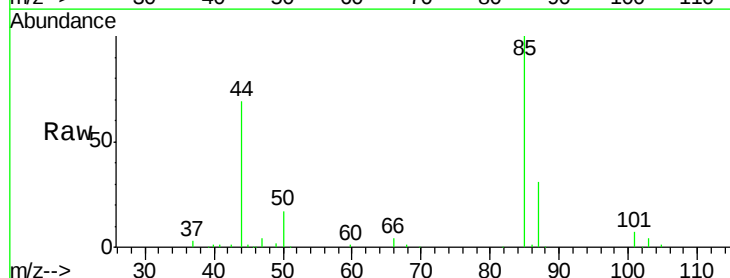
Acq: 22 Jun 2018 12:32

Tgt Ion: 85 Resp: 475810

Ion Ratio Lower Upper

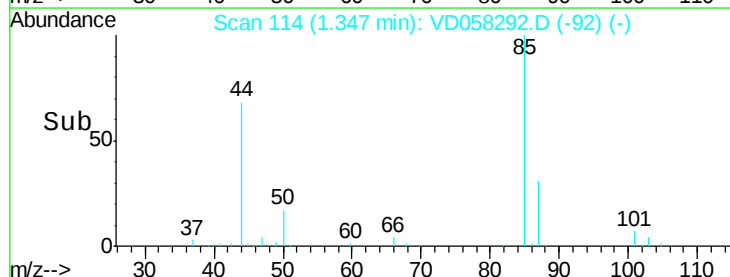
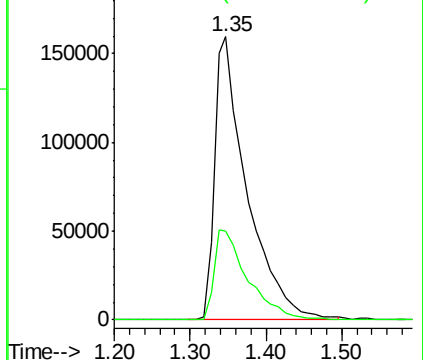
85 100

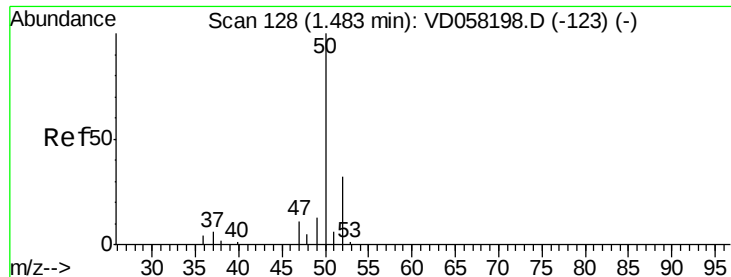
87 31.4 15.7 47.0



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 :

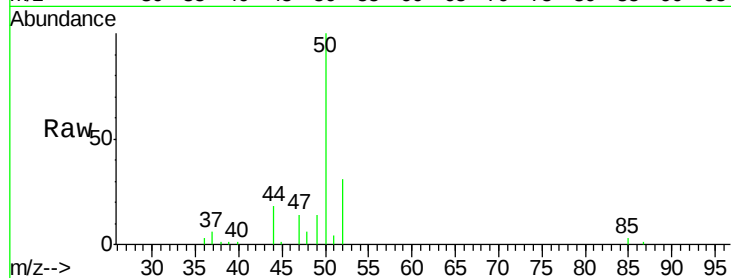
VSTDCCC050

Tot Ion: 50 Resp: 187904

Ion Ratio Lower Upper

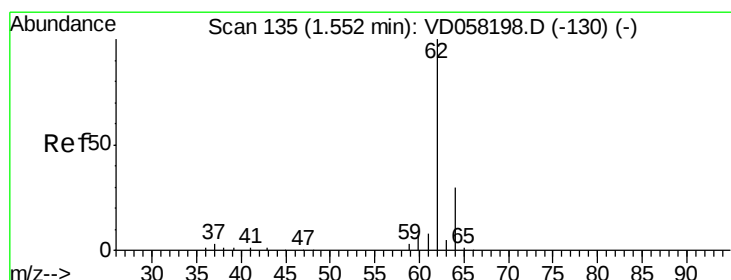
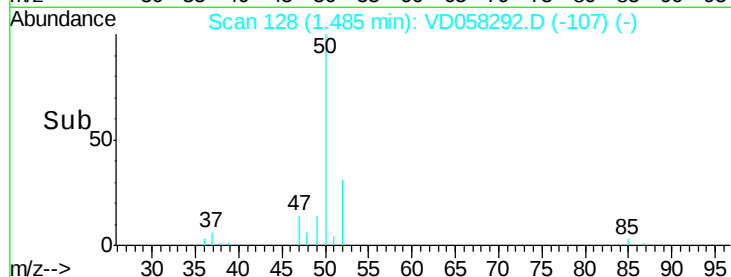
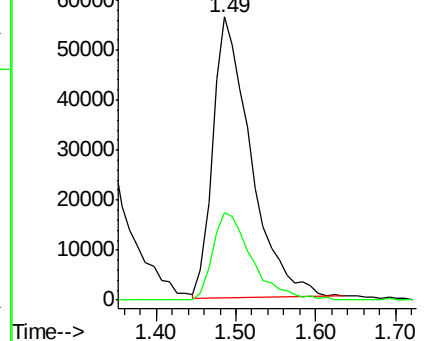
50 100

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

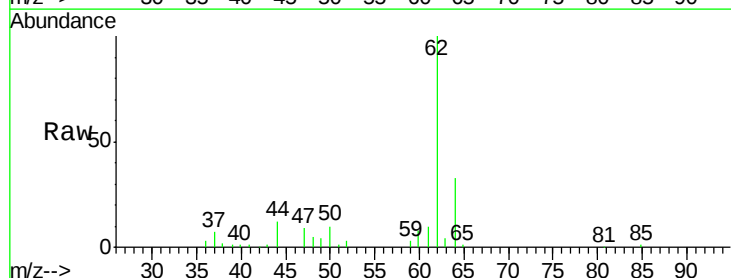
Acq: 22 Jun 2018 12:32

Tgt Ion: 62 Resp: 194880

Ion Ratio Lower Upper

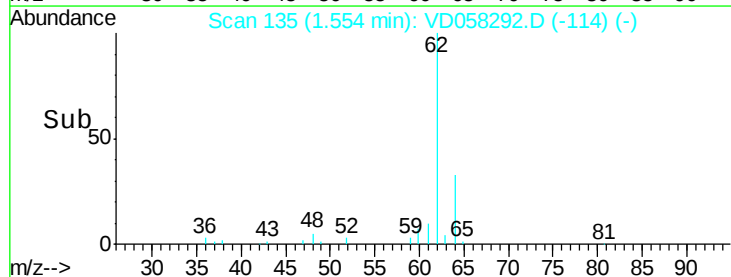
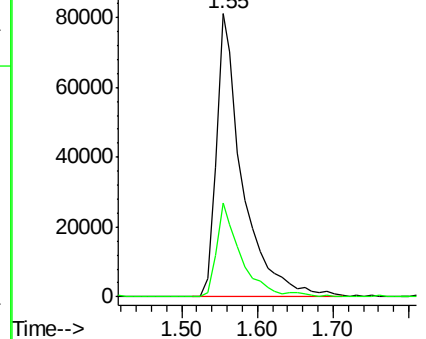
62 100

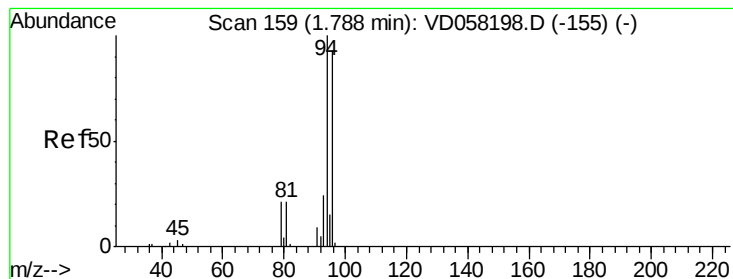
64 33.2 24.4 36.6



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 :

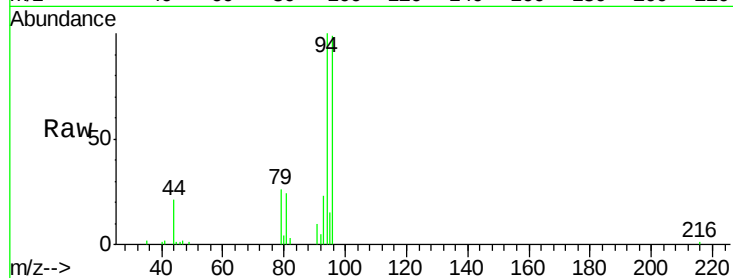
VSTDCCC050

Tot Ion: 94 Resp: 89243

Ion Ratio Lower Upper

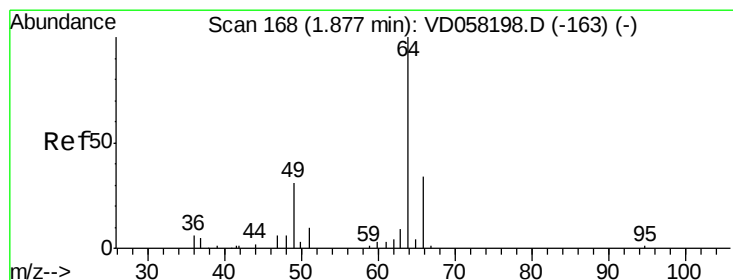
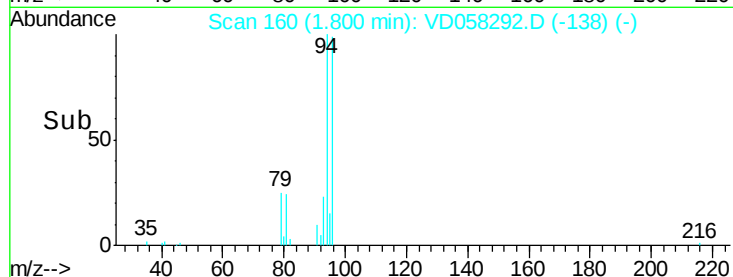
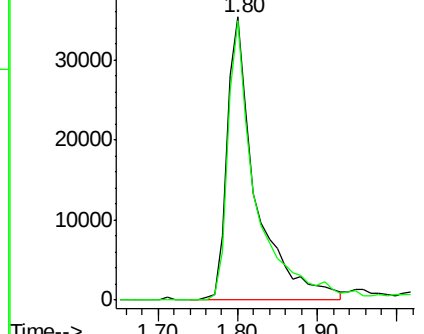
94 100

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

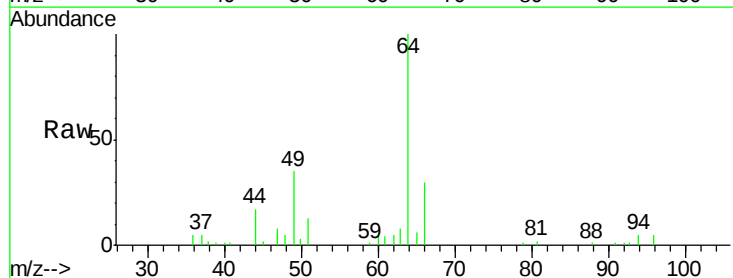
Acq: 22 Jun 2018 12:32

Tgt Ion: 64 Resp: 113910

Ion Ratio Lower Upper

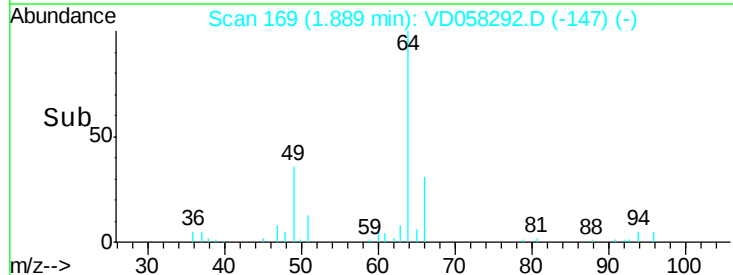
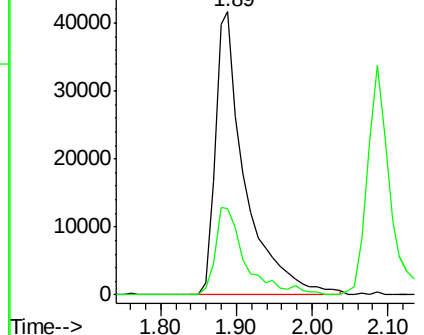
64 100

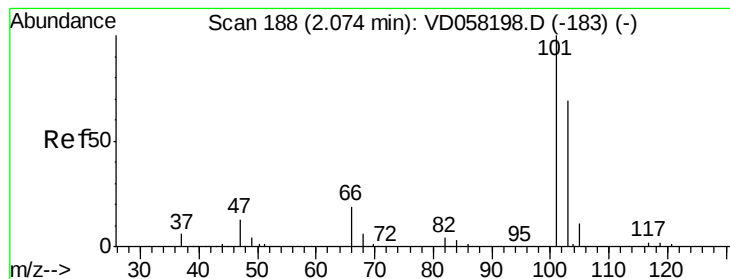
66 30.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



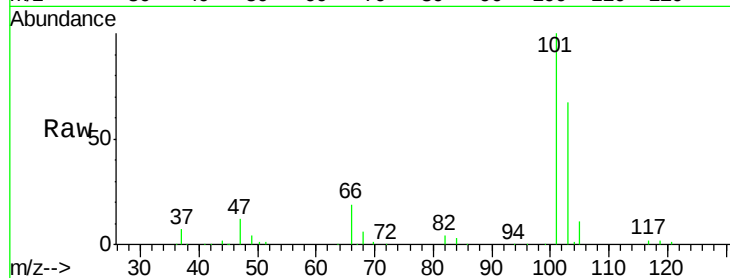


#7

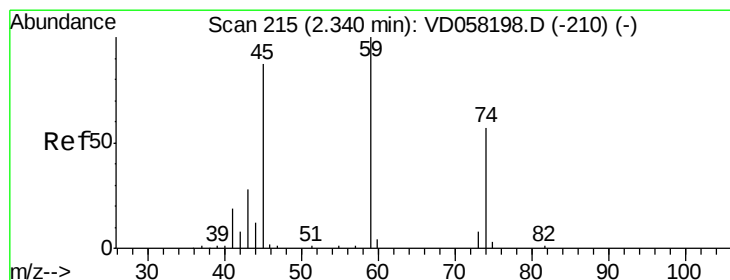
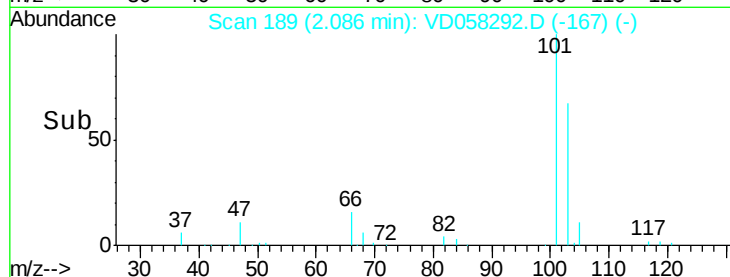
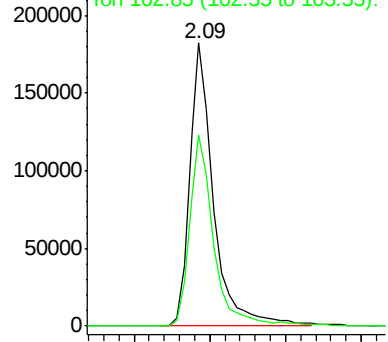
Trichlorofluoromethane
 Concen: 62.86 ug/l
 RT: 2.09 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

Instrument :
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 VSTDCCC050

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



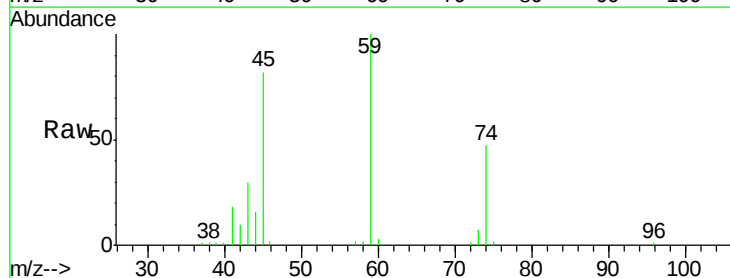
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



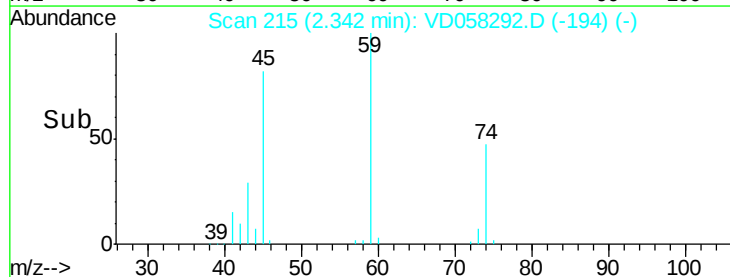
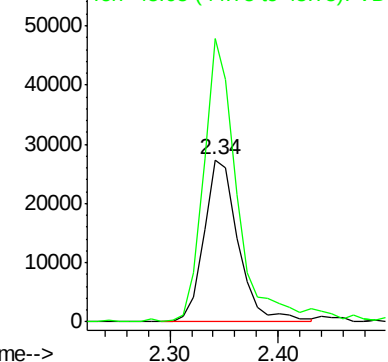
#8

Diethyl Ether
 Concen: 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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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

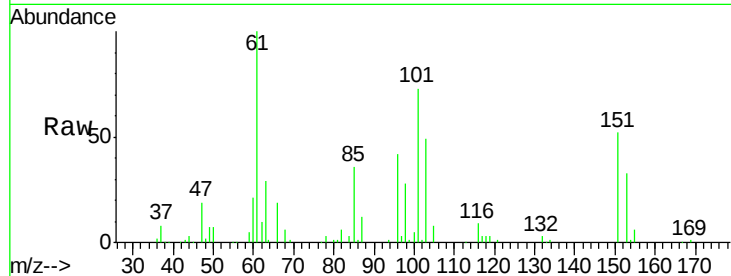
Tot Ion:101 Resp: 231212

Ion Ratio Lower Upper

101 100

85 49.4 39.0 58.4

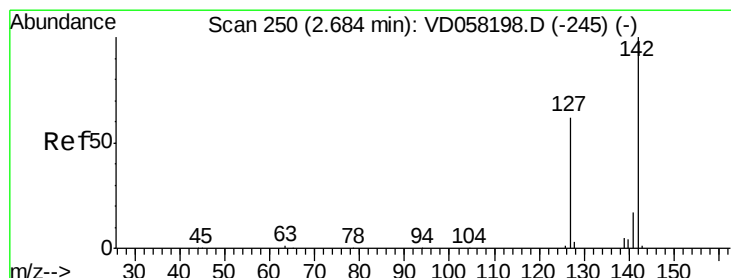
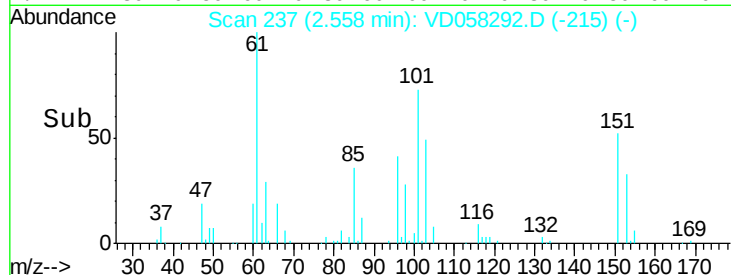
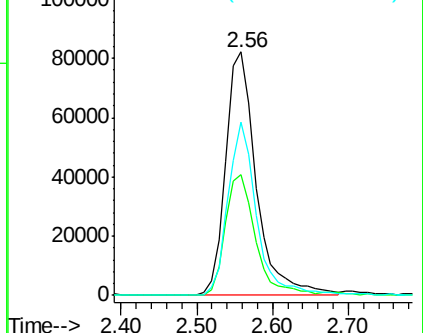
151 71.2 61.8 92.8



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

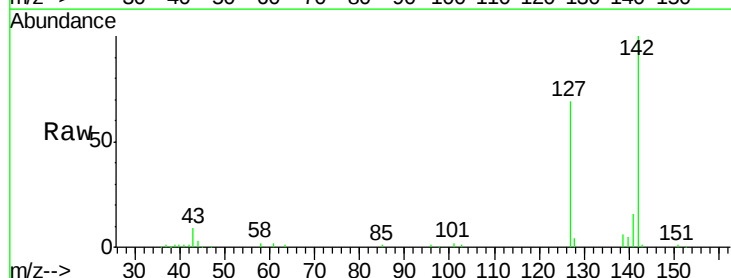
Tgt Ion:142 Resp: 231738

Ion Ratio Lower Upper

142 100

127 68.7 49.4 74.0

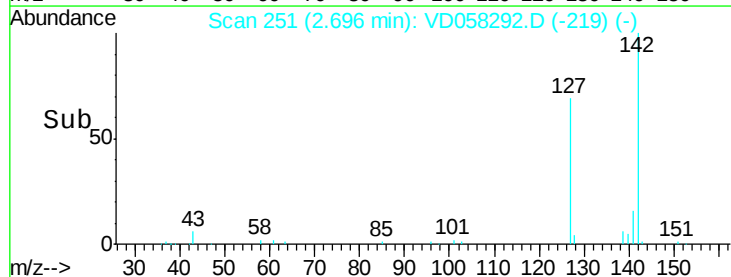
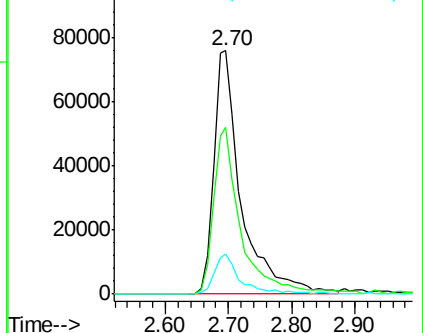
141 16.4 13.5 20.3



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



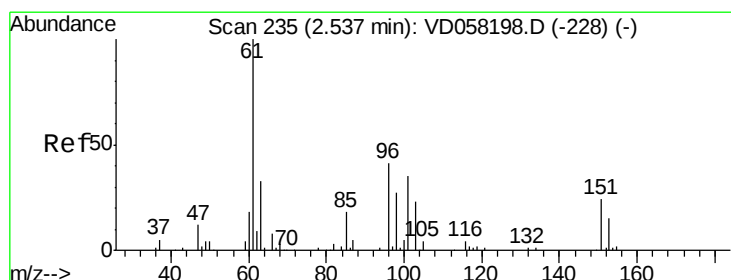
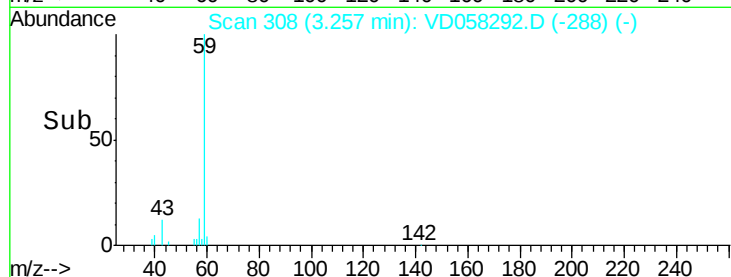
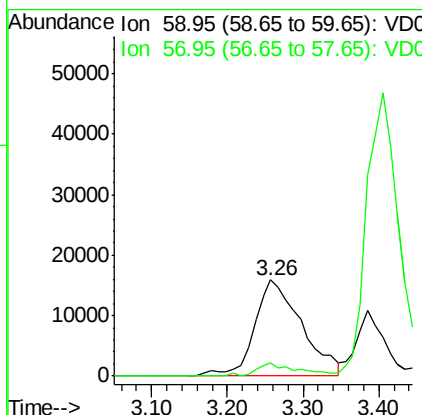
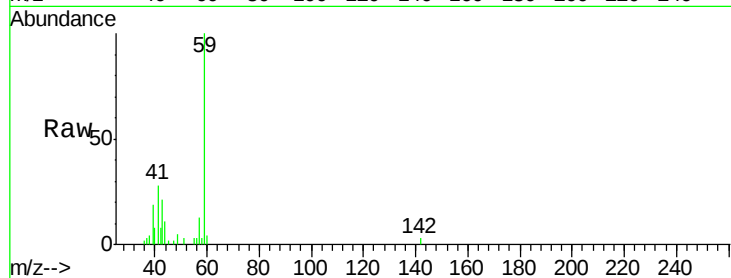


#11

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

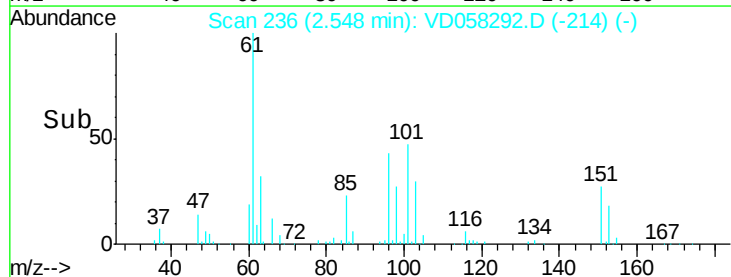
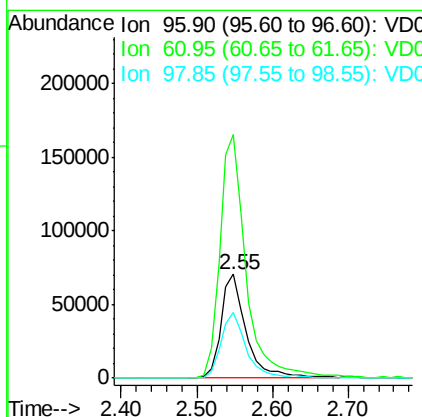
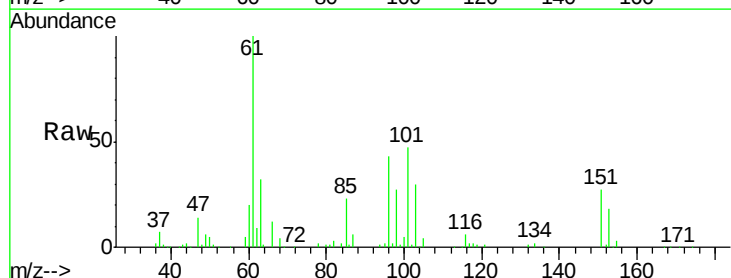
Tot Ion: 59 Resp: 68901
Ion Ratio Lower Upper
59 100
57 13.3 6.2 9.4#

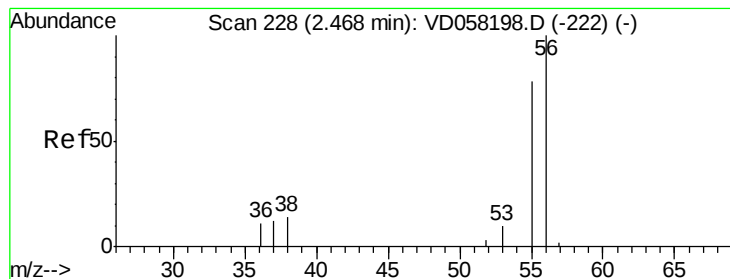


#12

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





#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 :

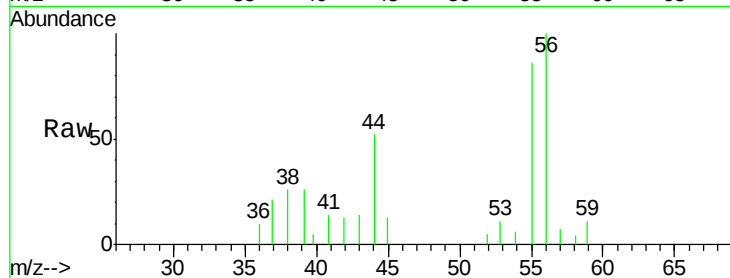
VSTDCCC050

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

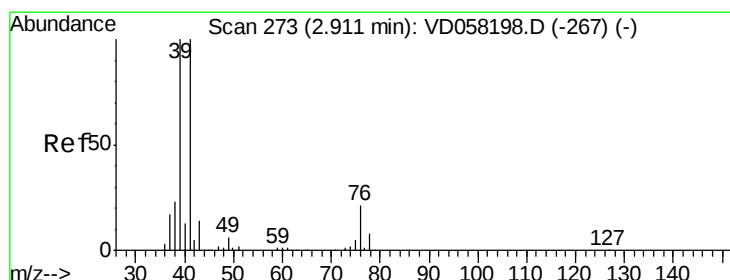
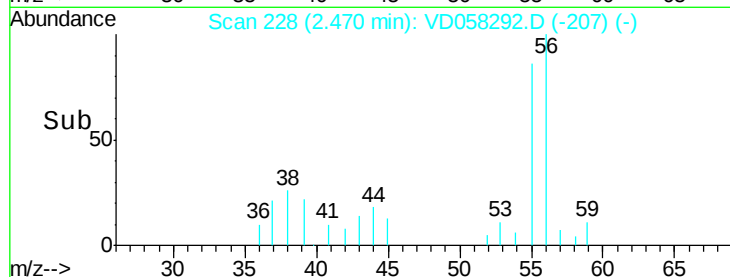
4000

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

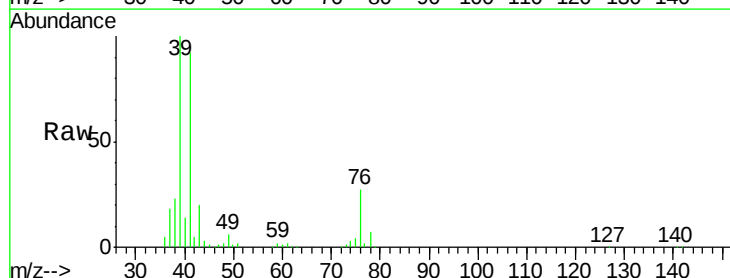
Tgt Ion: 41 Resp: 334709

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

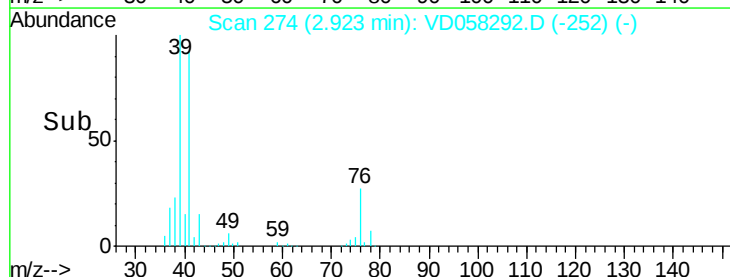
100000

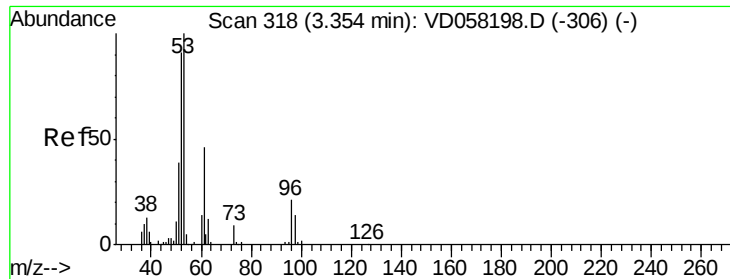
50000

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

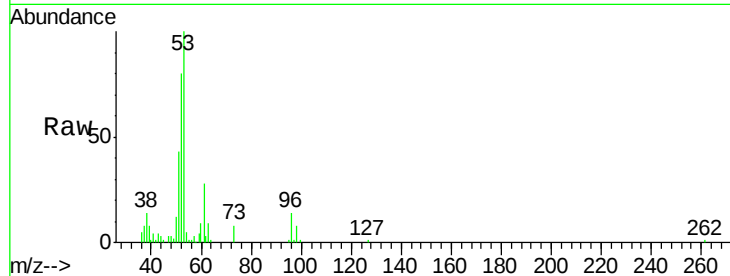
Tot Ion: 53 Resp: 236399

Ion Ratio Lower Upper

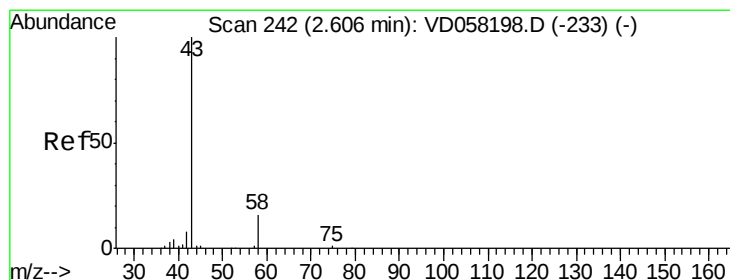
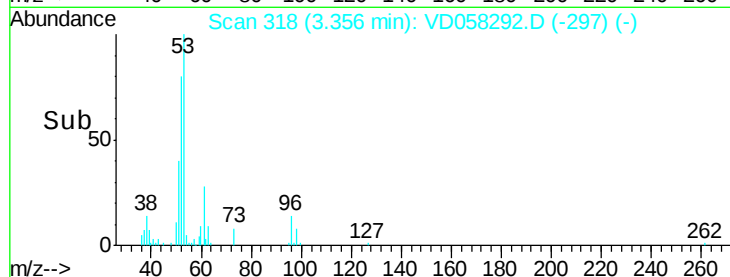
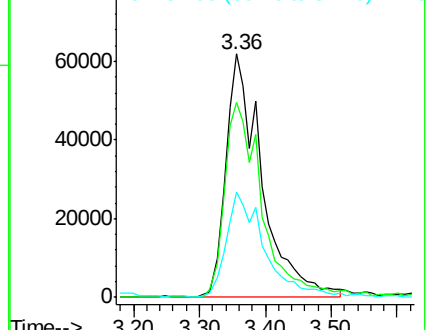
53 100

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

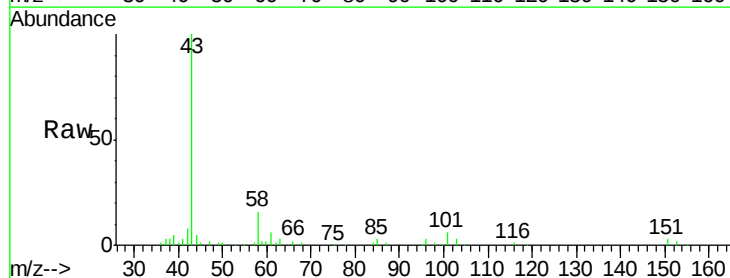
Acq: 22 Jun 2018 12:32

Tgt Ion: 43 Resp: 337867

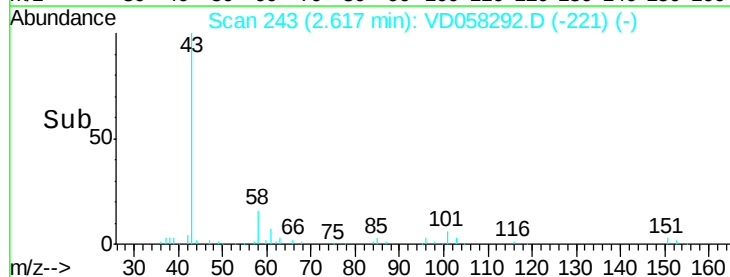
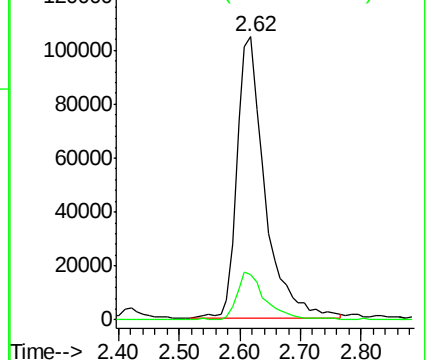
Ion Ratio Lower Upper

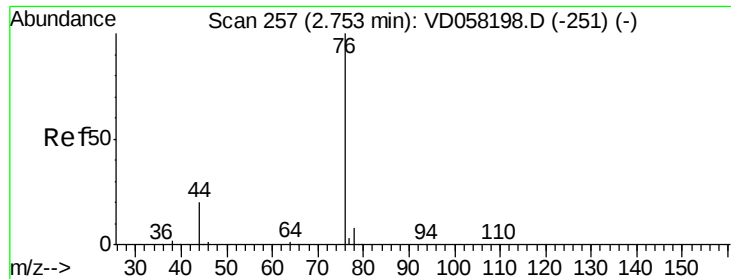
43 100

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

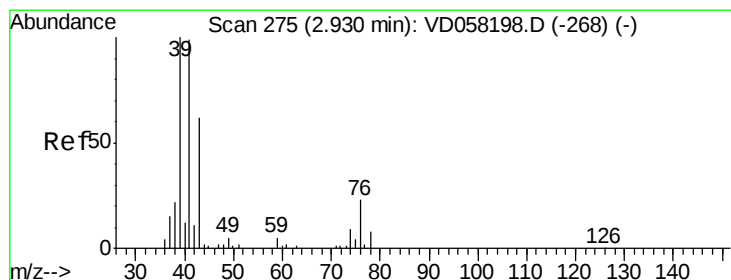
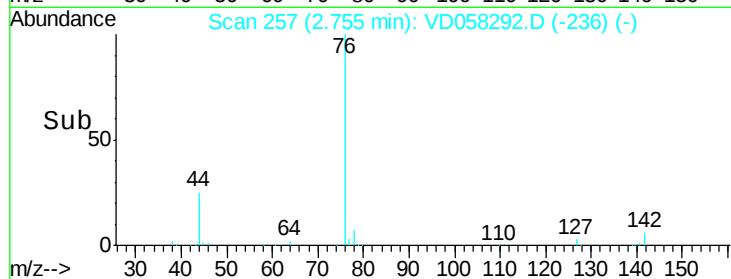
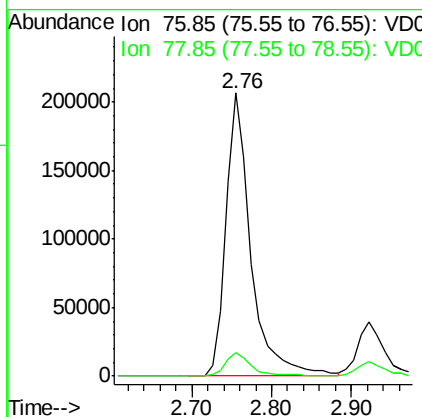
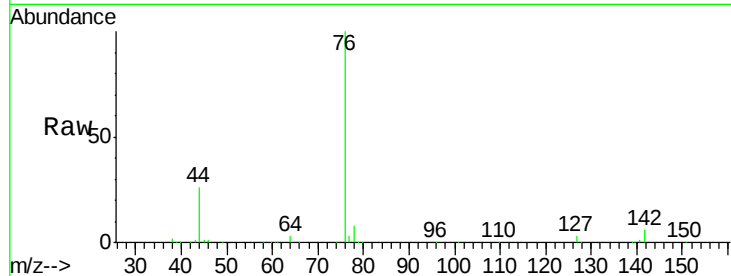




#17
Carbon Disulfide
Concen: 43.90 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

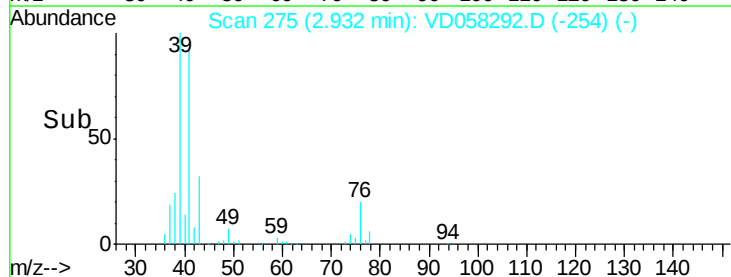
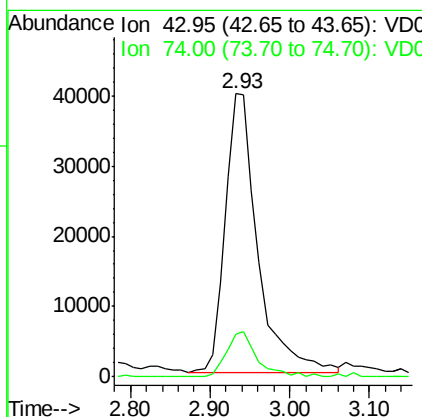
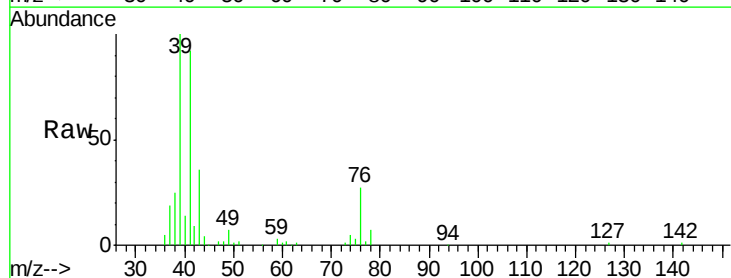
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

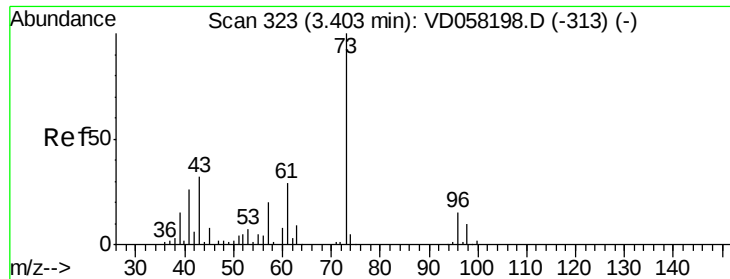
Tot Ion: 76 Resp: 455091
Ion Ratio Lower Upper
76 100
78 8.1 6.8 10.2



#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

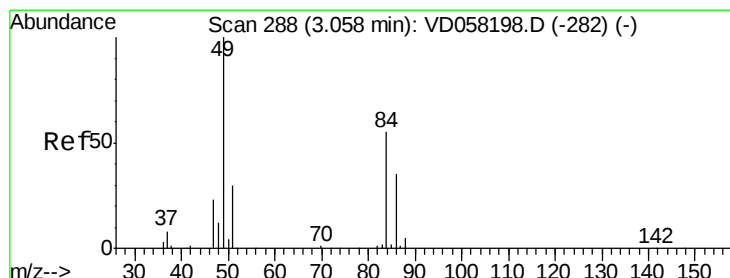
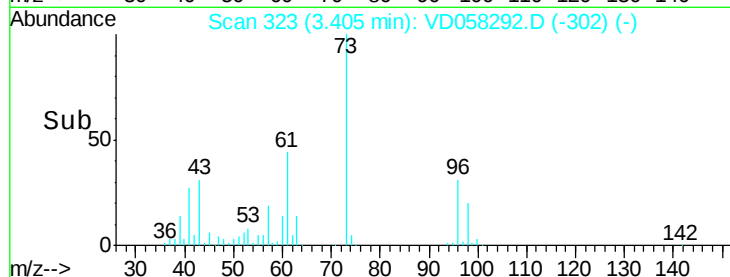
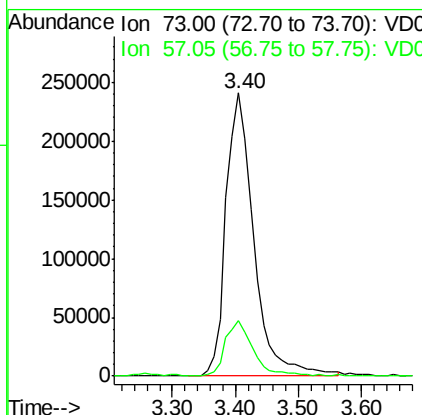
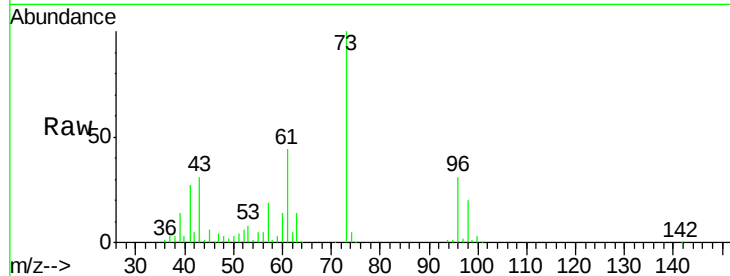




#19
Methvl tert-butvl Ether
Concen: 91.35 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

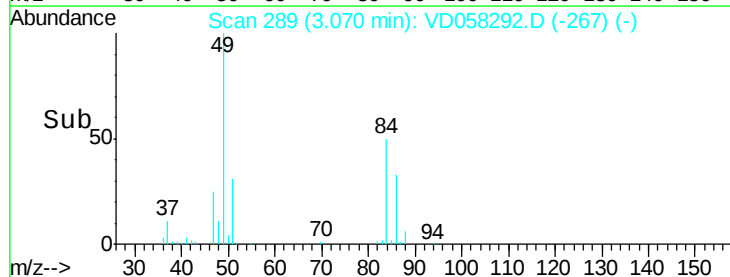
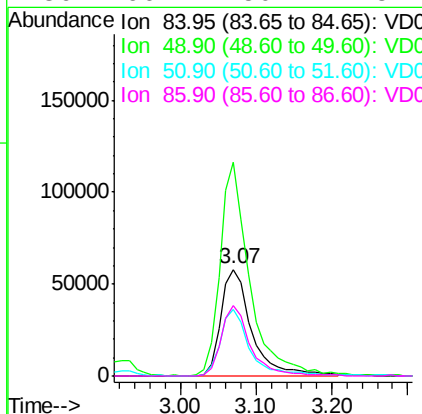
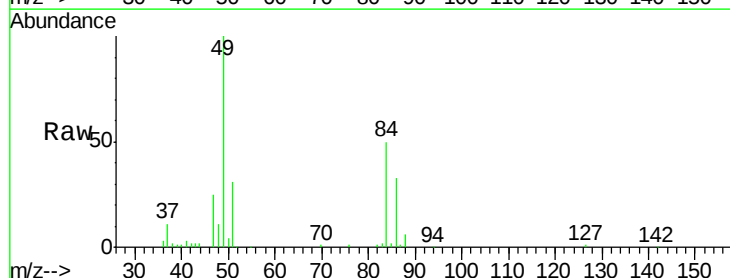
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

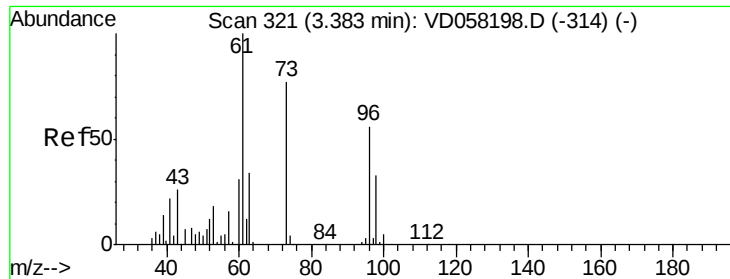
Tot Ion: 73 Resp: 738235
Ion Ratio Lower Upper
73 100
57 19.4 16.6 24.8



#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

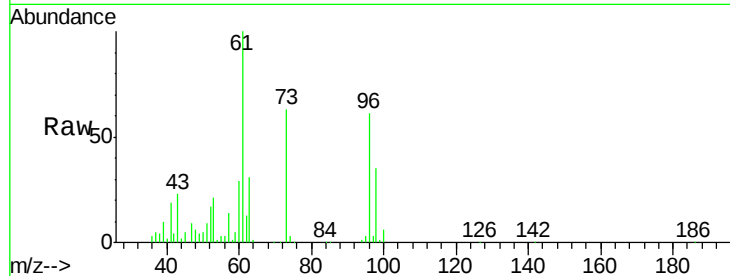
Tot Ion: 96 Resp: 320485

Ion Ratio Lower Upper

96 100

61 164.6 143.8 215.6

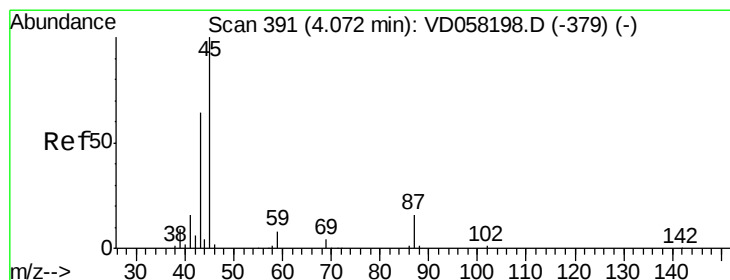
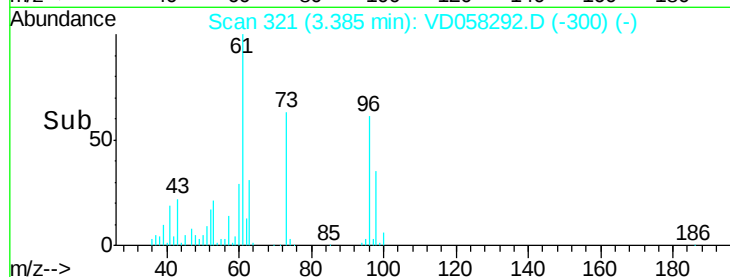
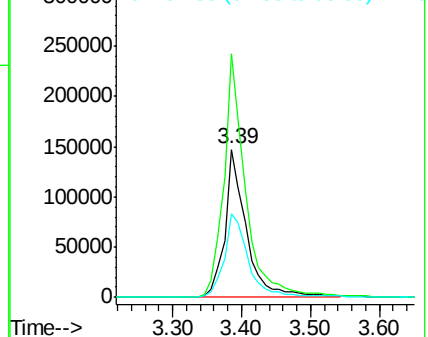
98 56.9 48.0 72.0



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

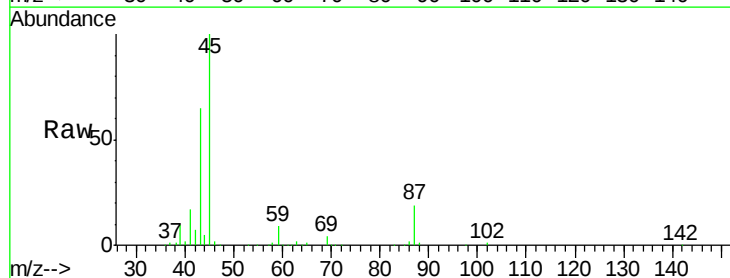
Ion Ratio Lower Upper

45 100

43 64.9 51.4 77.0

87 18.6 13.0 19.4

59 9.2 6.9 10.3

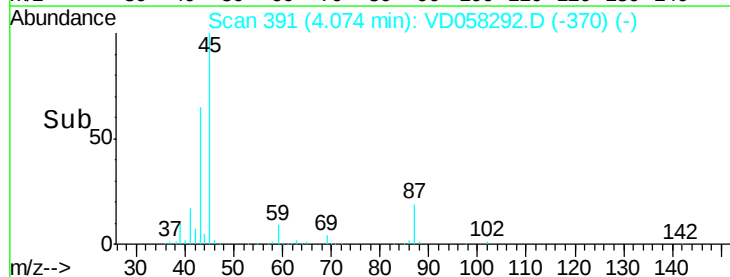
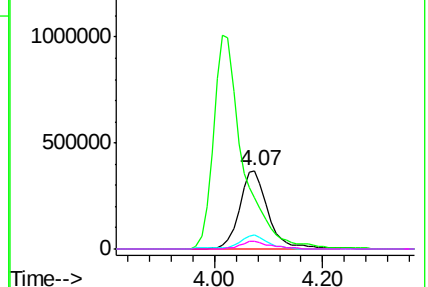


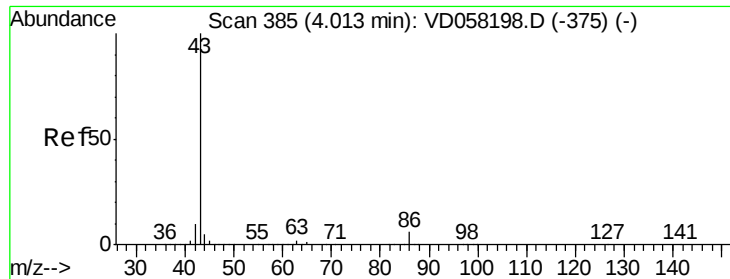
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

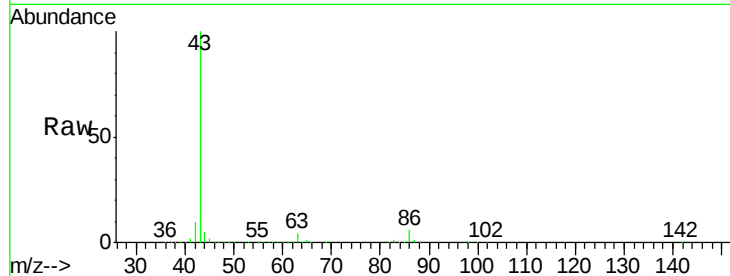
VSTDCCC050

Tot Ion: 43 Resp: 3742740

Ion Ratio Lower Upper

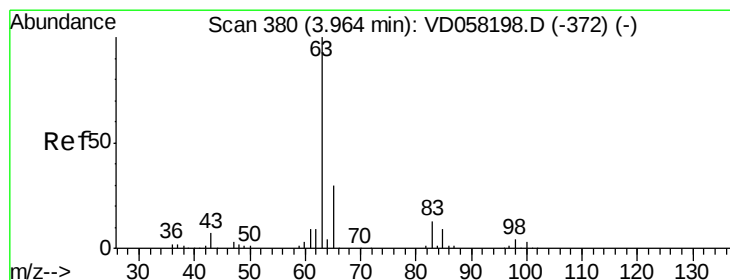
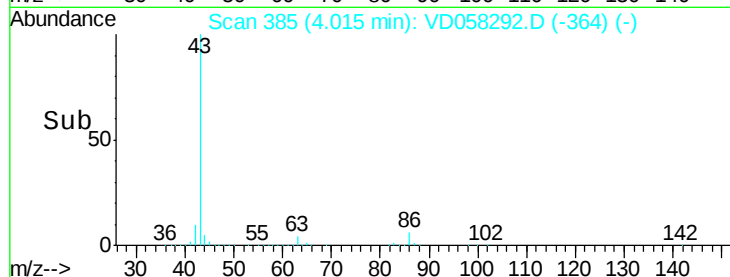
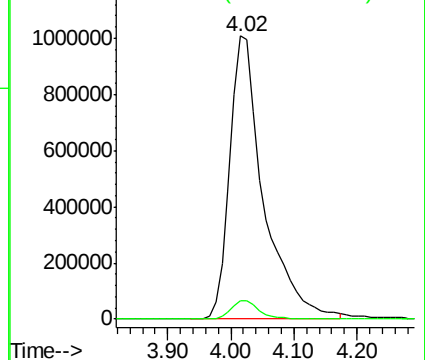
43 100

86 6.3 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

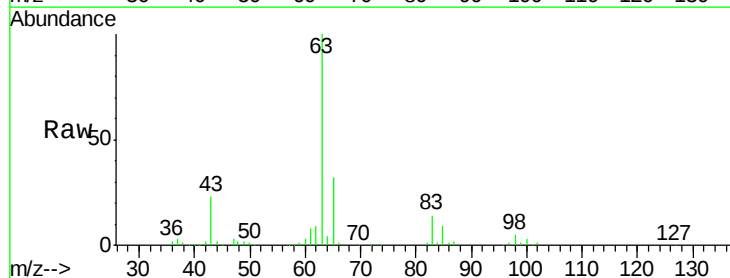
Tgt Ion: 63 Resp: 823379

Ion Ratio Lower Upper

63 100

98 4.5 1.9 5.7

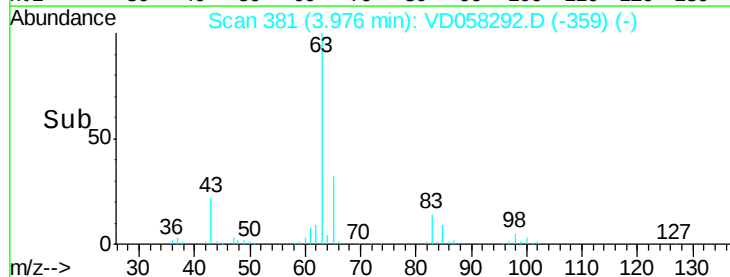
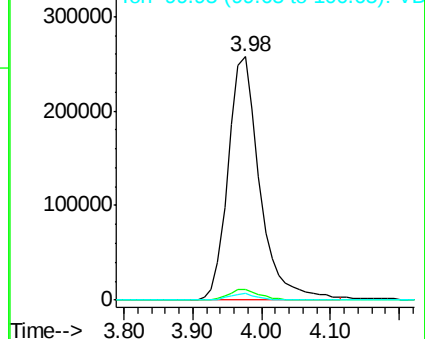
100 3.0 1.3 3.9

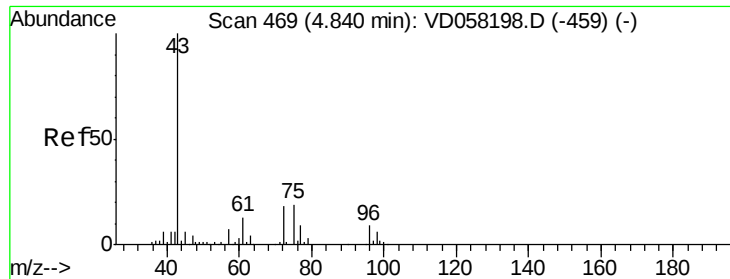


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 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 :

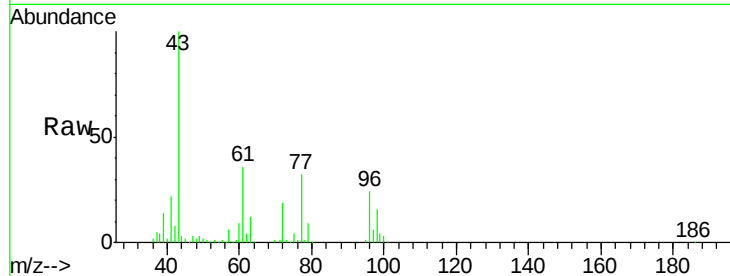
VSTDCCC050

Tot Ion: 43 Resp: 644195

Ion Ratio Lower Upper

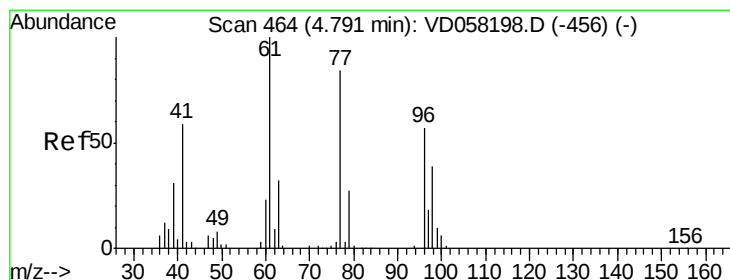
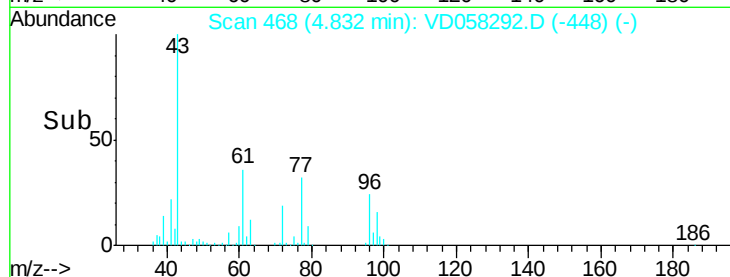
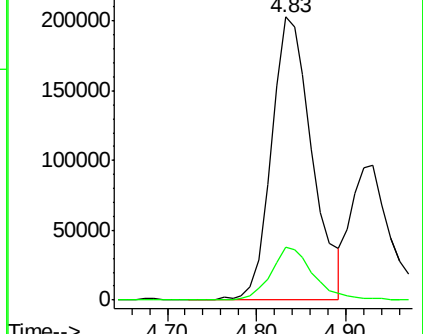
43 100

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

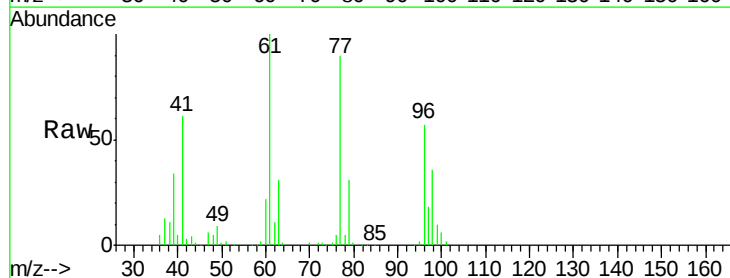
Acq: 22 Jun 2018 12:32

Tgt Ion: 77 Resp: 714563

Ion Ratio Lower Upper

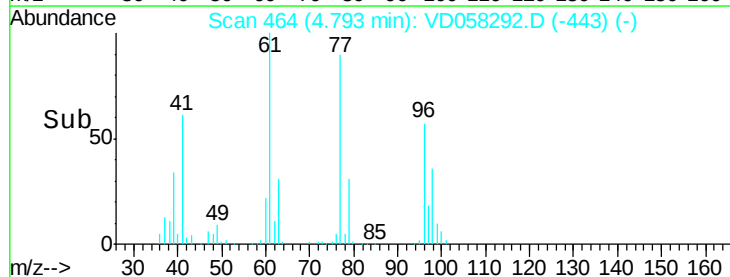
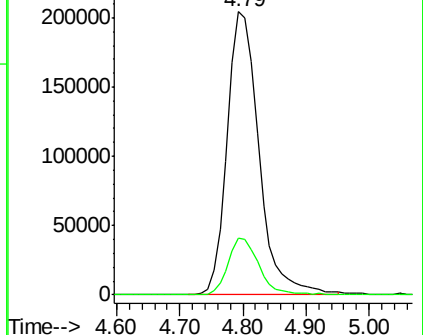
77 100

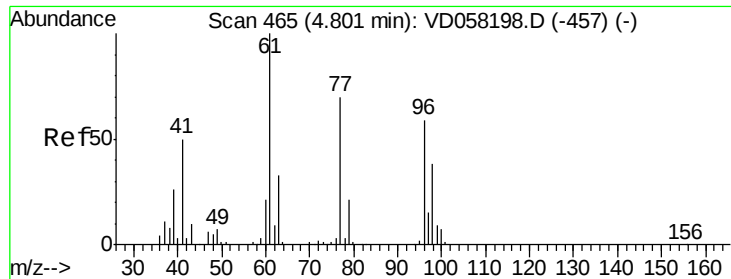
97 19.9 10.5 31.6



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

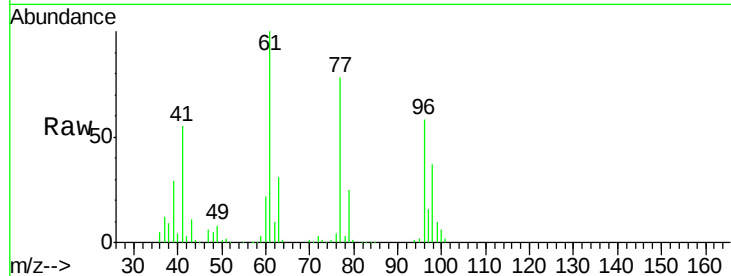
Tot Ion: 96 Resp: 453966

Ion Ratio Lower Upper

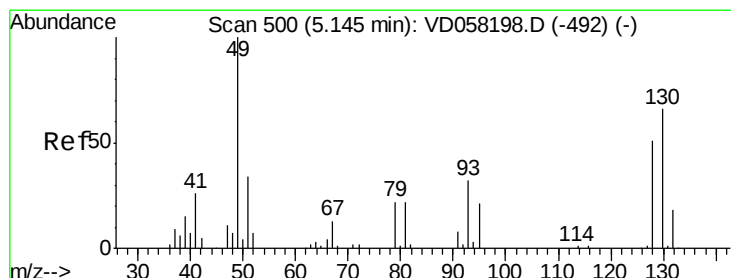
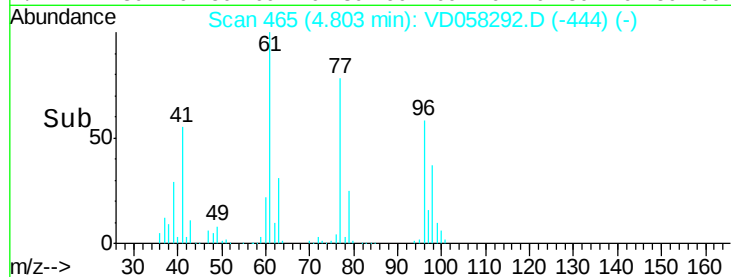
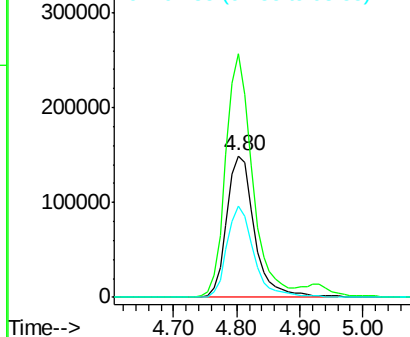
96 100

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

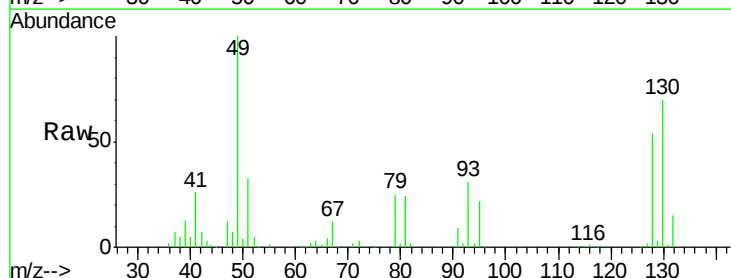
Tgt Ion: 49 Resp: 344955

Ion Ratio Lower Upper

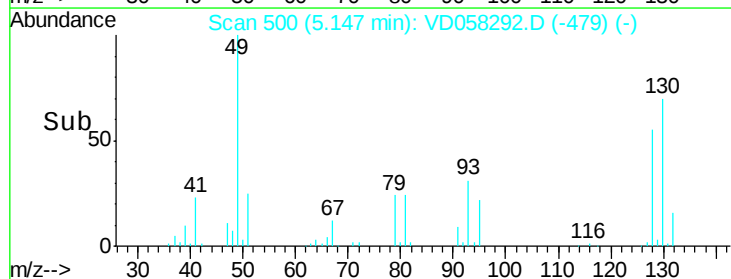
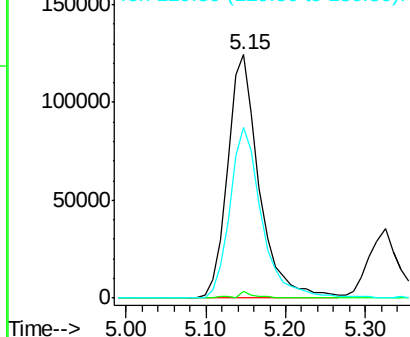
49 100

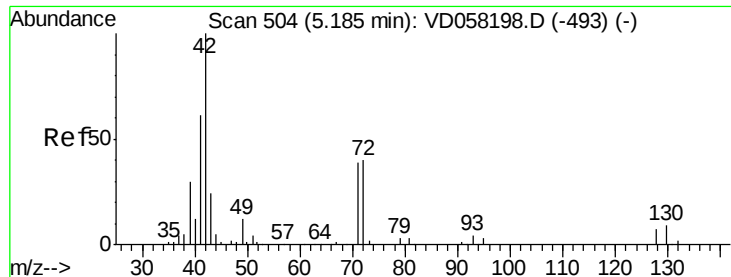
129 2.8 0.0 0.0#

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

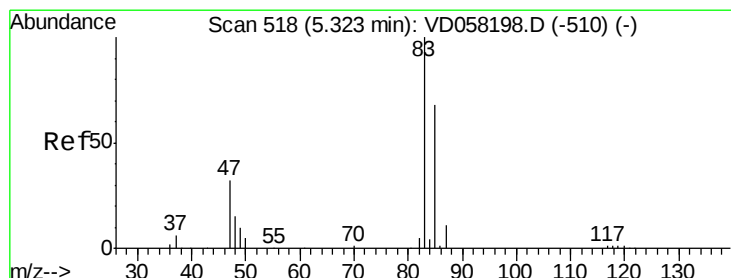
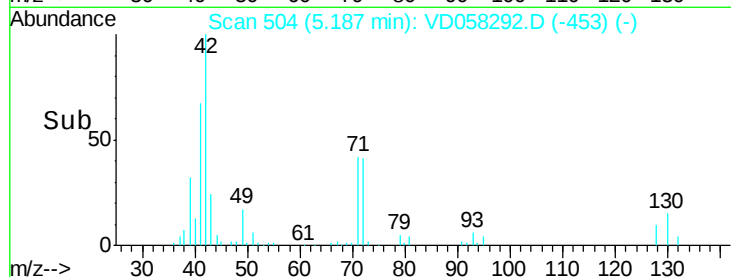
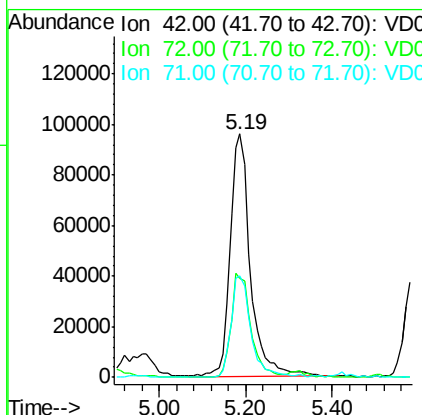
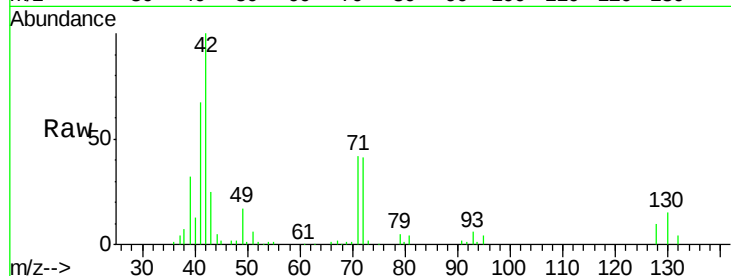




#29
Tetrahydrofuran
Concen: 218.61 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

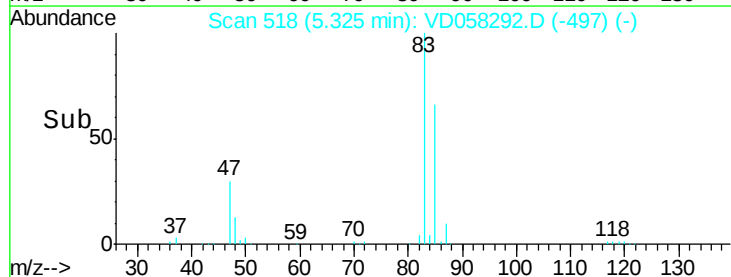
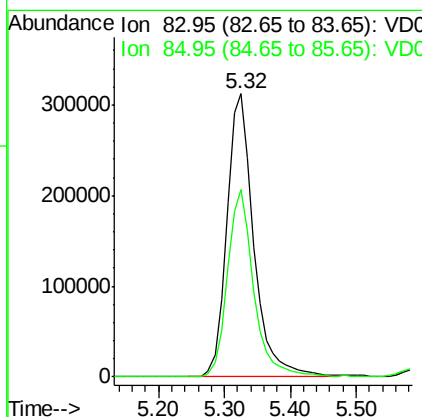
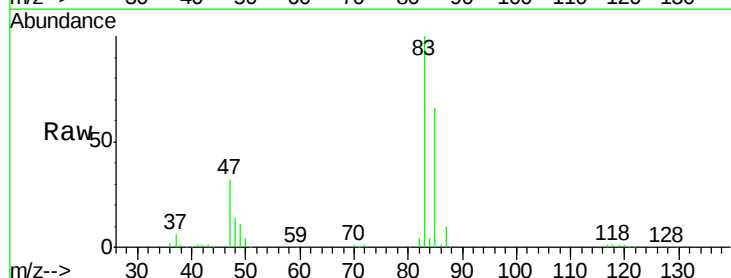
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

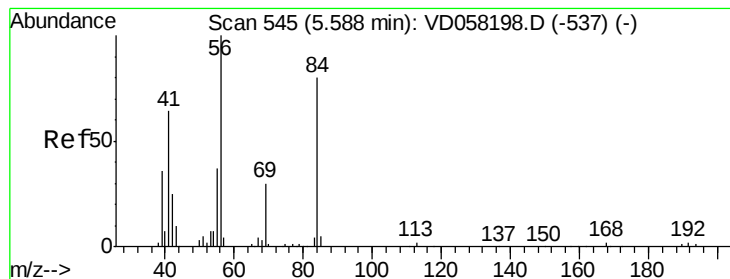
Tot Ion: 42 Resp: 310684
Ion Ratio Lower Upper
42 100
72 41.5 30.2 45.2
71 40.9 30.1 45.1



#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





#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

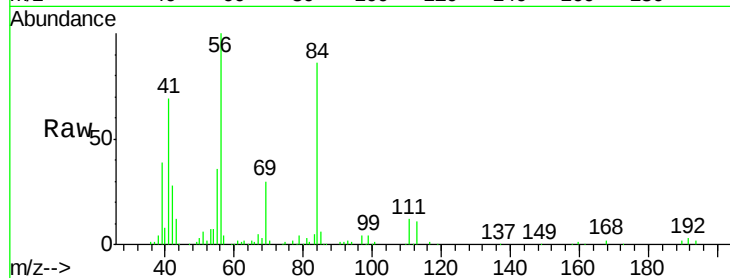
Tot Ion: 56 Resp: 588509

Ion Ratio Lower Upper

56 100

69 29.8 23.6 35.4

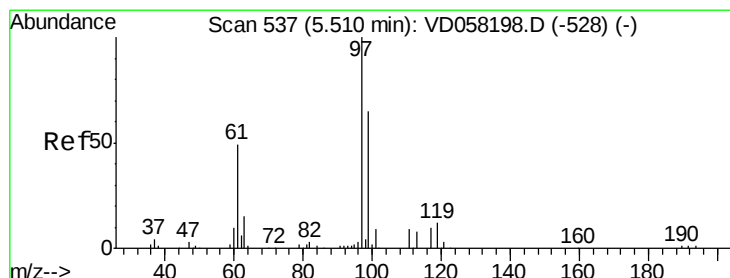
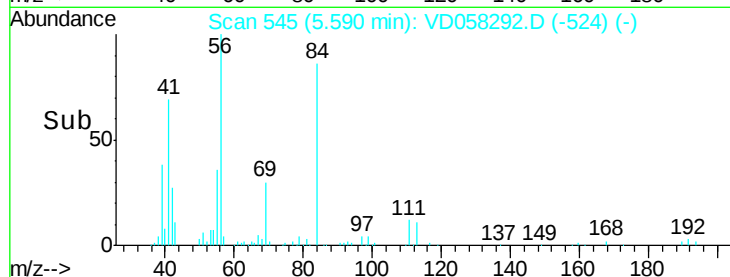
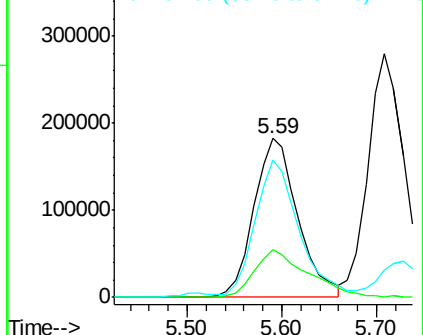
84 86.3 65.2 97.8



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

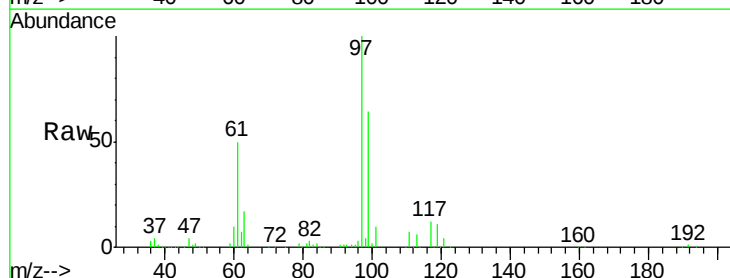
Tgt Ion: 97 Resp: 719542

Ion Ratio Lower Upper

97 100

99 63.9 52.2 78.4

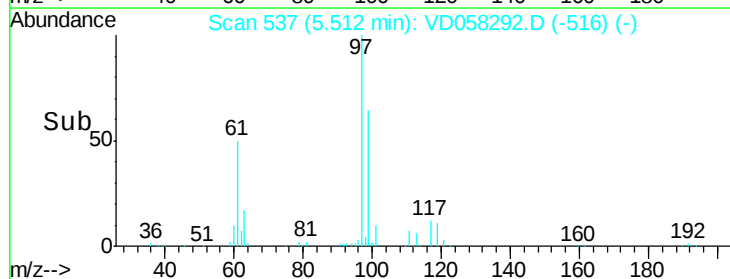
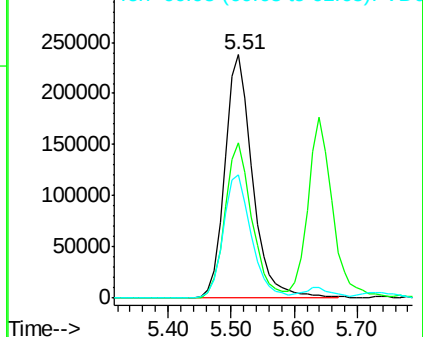
61 50.5 39.0 58.4



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 :

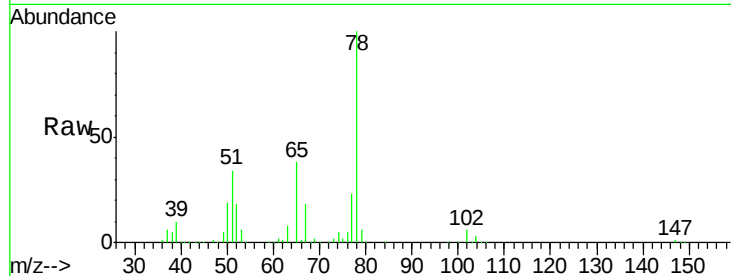
VSTDCCC050

Tot Ion: 65 Resp: 518391

Ion Ratio Lower Upper

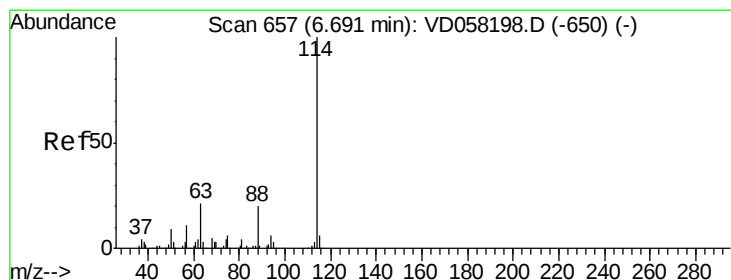
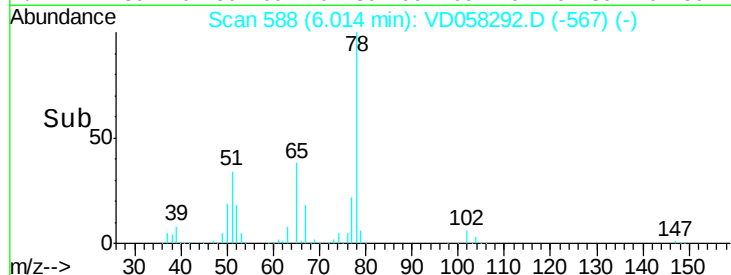
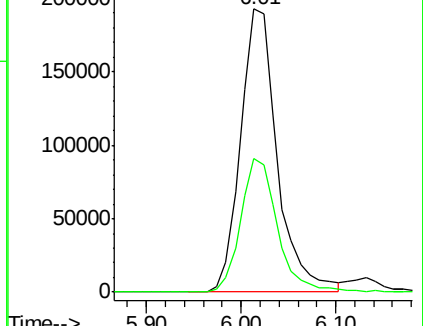
65 100

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

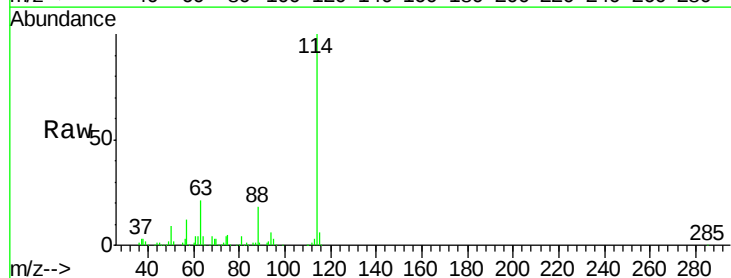
Tgt Ion:114 Resp: 1189290

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

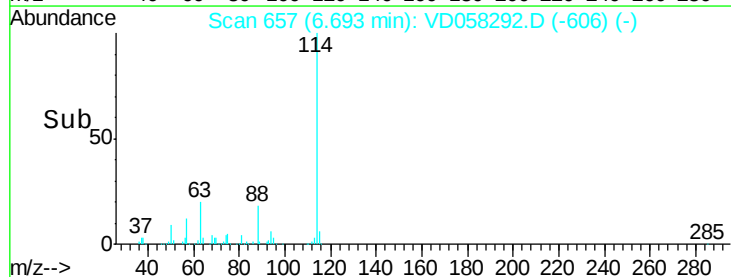
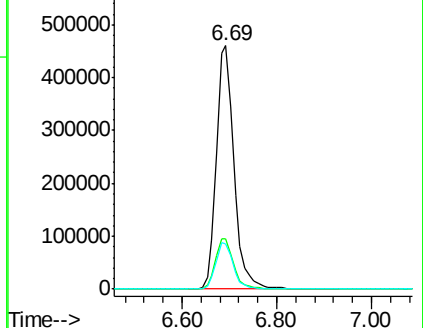
88 18.4 0.0 40.6

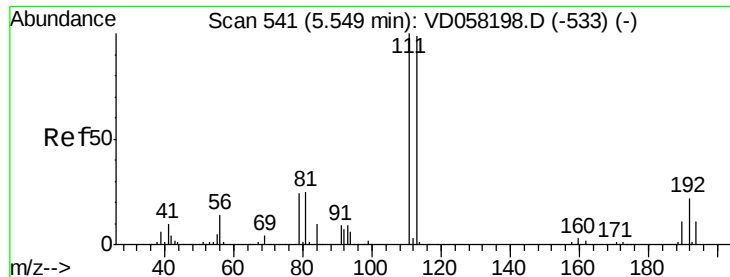


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

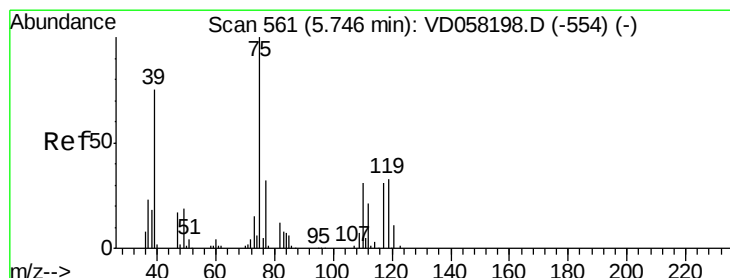
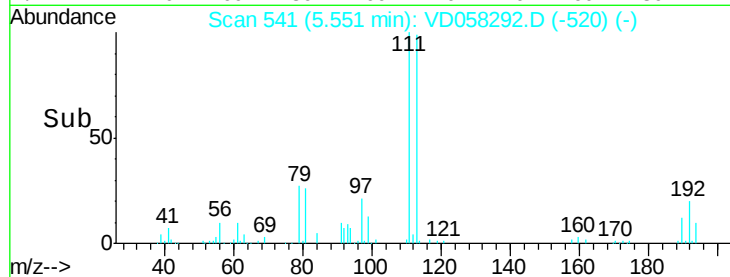
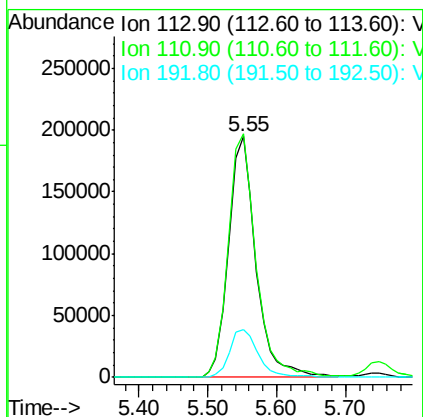
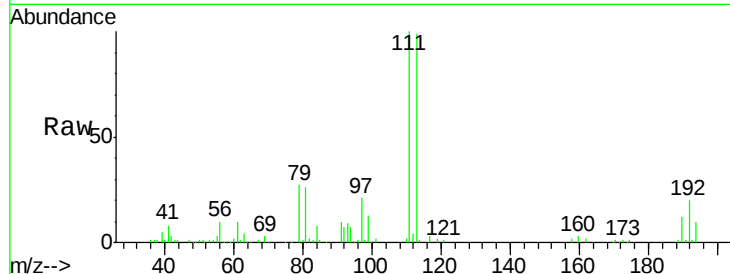




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

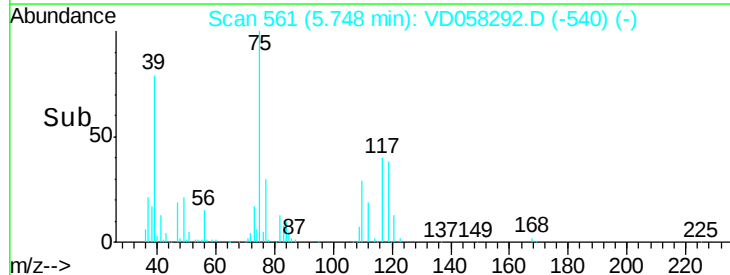
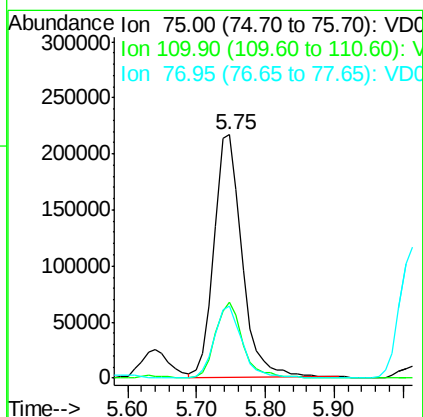
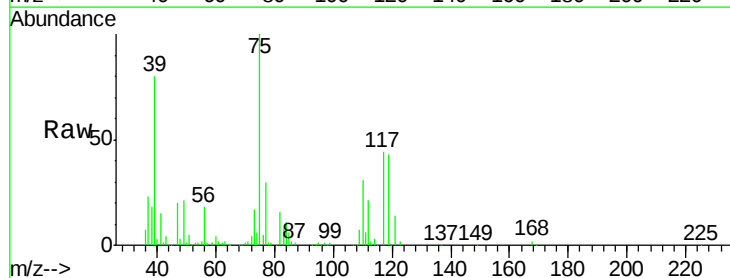
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

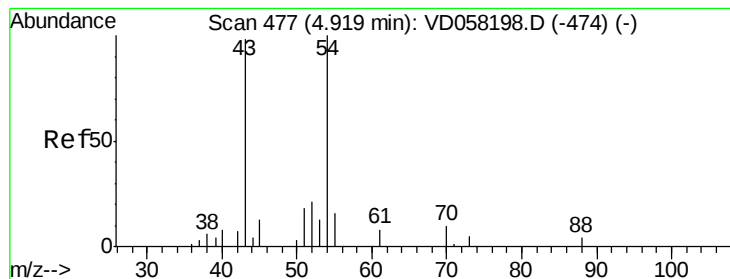
Tot Ion:113 Resp: 537156
Ion Ratio Lower Upper
113 100
111 101.2 80.6 121.0
192 20.1 17.8 26.6



#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





#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

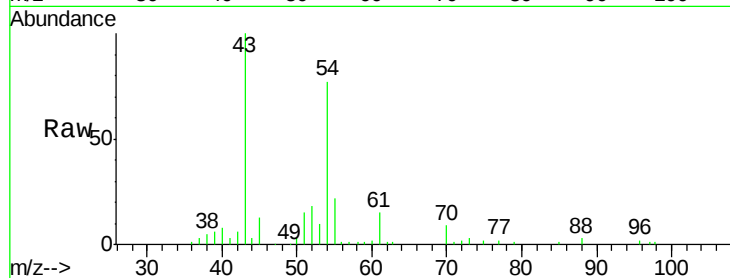
Tot Ion: 43 Resp: 297429

Ion Ratio Lower Upper

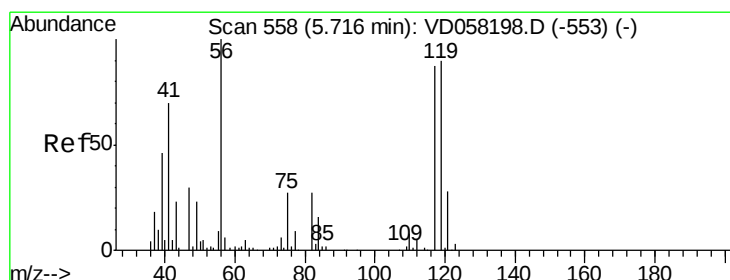
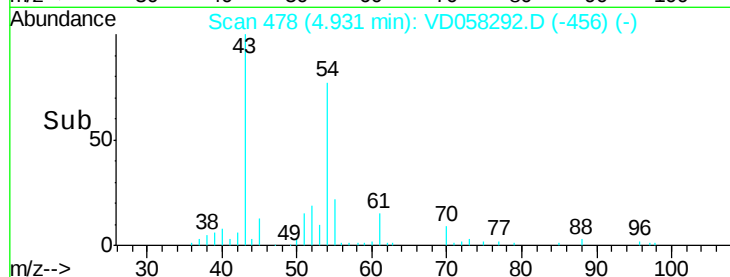
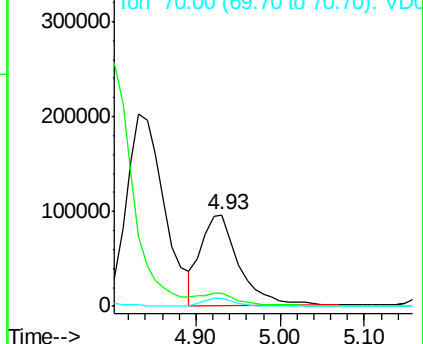
43 100

61 14.6 10.3 15.5

70 8.5 5.7 8.5



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



#38

Carbon Tetrachloride

Concen: 53.17 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

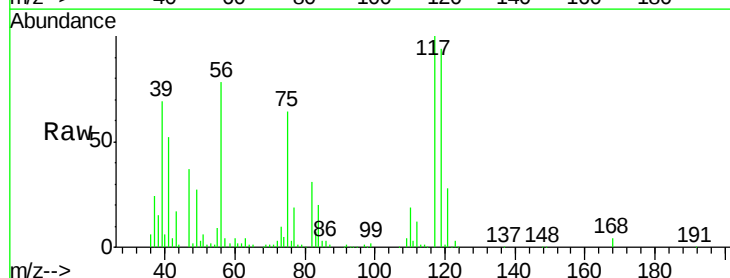
Tgt Ion: 117 Resp: 621574

Ion Ratio Lower Upper

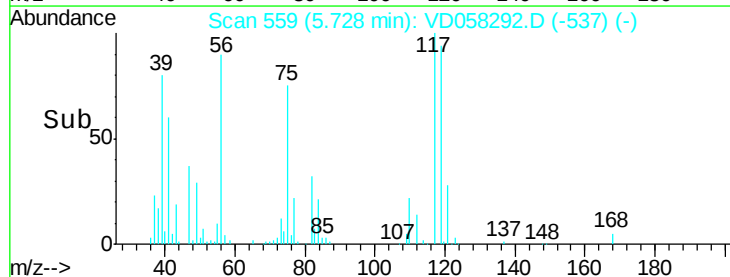
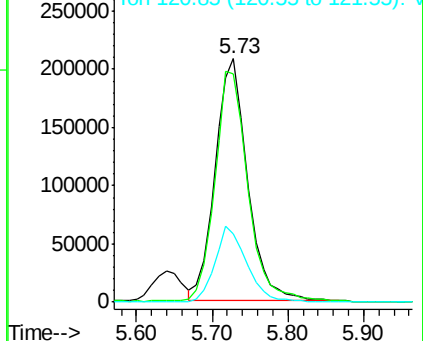
117 100

119 93.9 78.8 118.2

121 28.1 25.0 37.6



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





#39

Methvlcvclohexane

Concen: 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

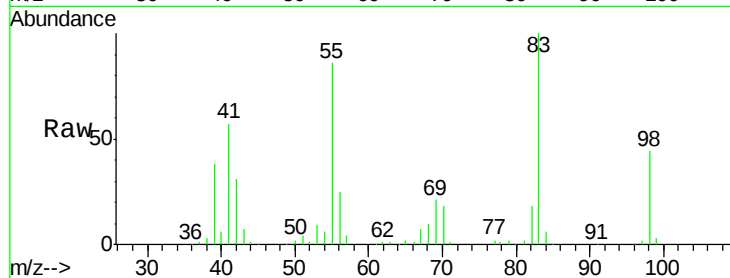
Tot Ion: 83 Resp: 583950

Ion Ratio Lower Upper

83 100

55 85.9 77.4 116.2

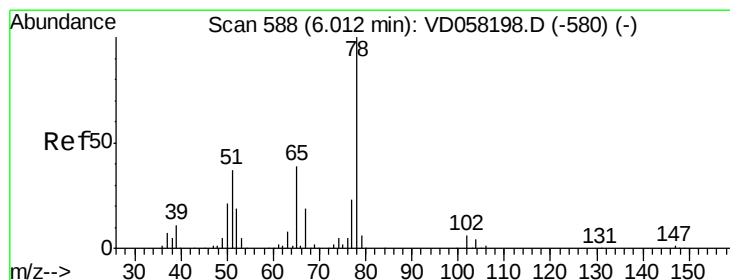
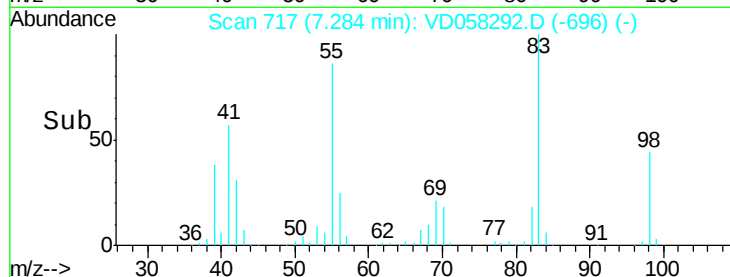
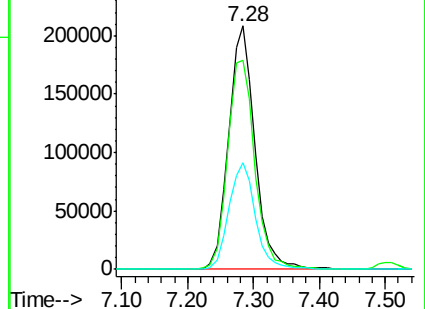
98 43.6 35.9 53.9



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

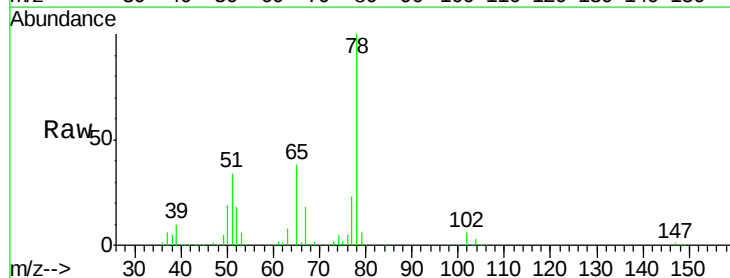
Acq: 22 Jun 2018 12:32

Tgt Ion: 78 Resp: 1419417

Ion Ratio Lower Upper

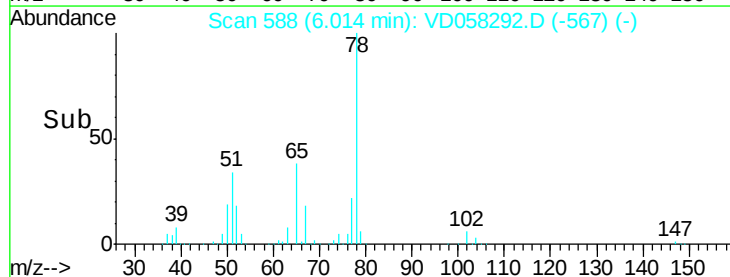
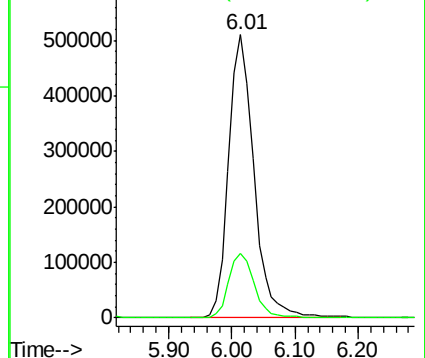
78 100

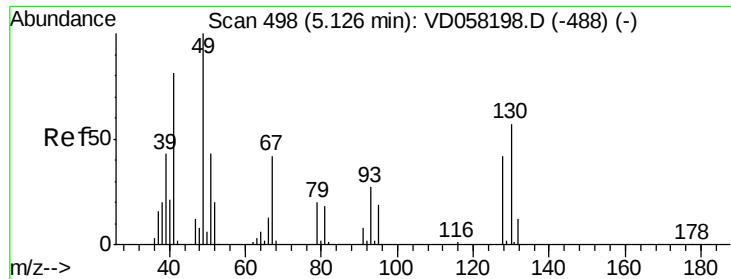
77 22.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

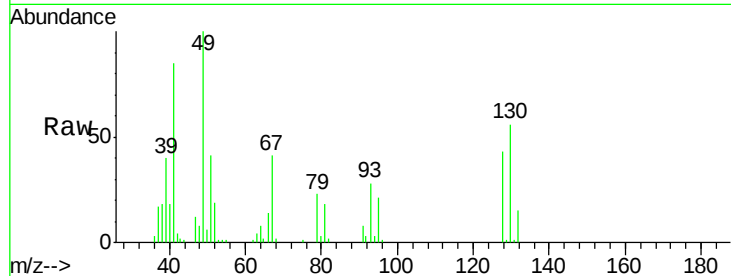




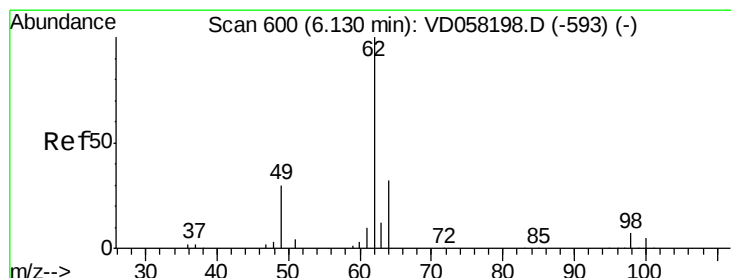
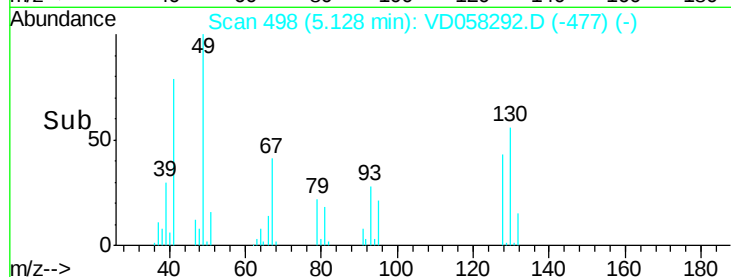
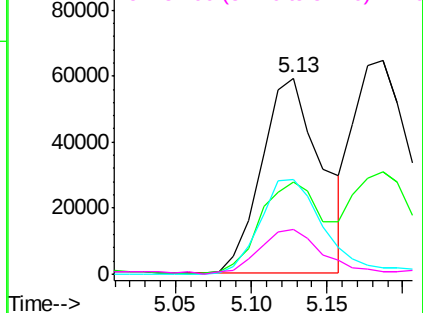
#41
Methacrylonitrile
Concen: 50.37 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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

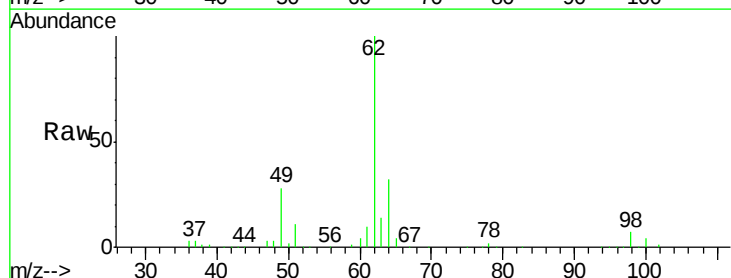


Abundance Ion 40.95 (40.65 to 41.65): VDC
100000 Ion 38.95 (38.65 to 39.65): VDC
80000 Ion 67.00 (66.70 to 67.70): VDC
60000 Ion 52.00 (51.70 to 52.70): VDC
40000
20000
0

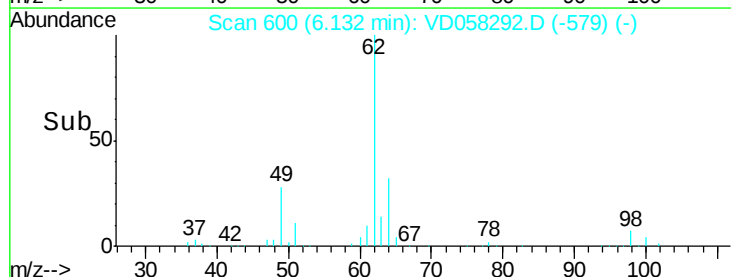
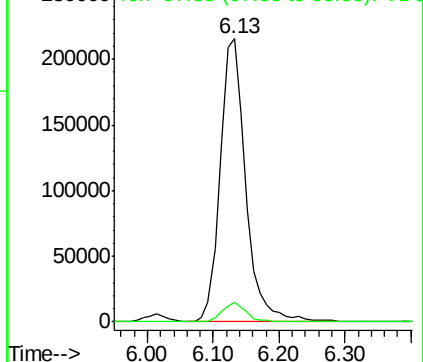


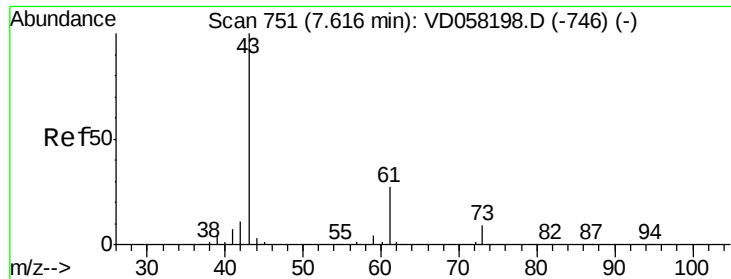
#42
1,2-Dichloroethane
Concen: 51.52 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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
250000 Ion 97.85 (97.55 to 98.55): VDC
200000
150000
100000
50000
0



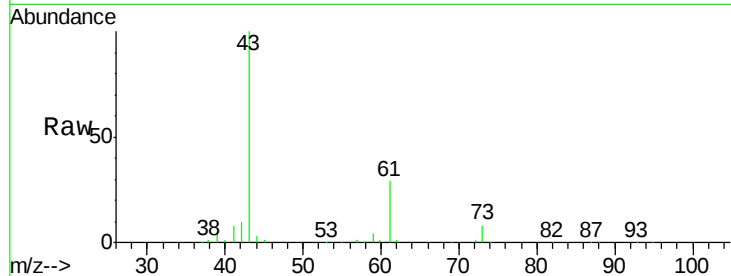


#43

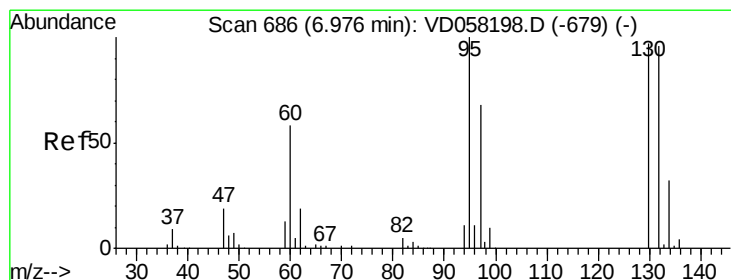
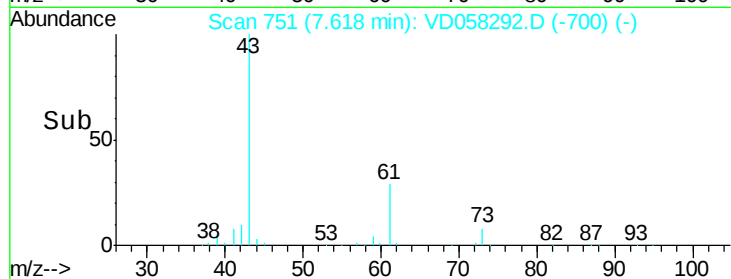
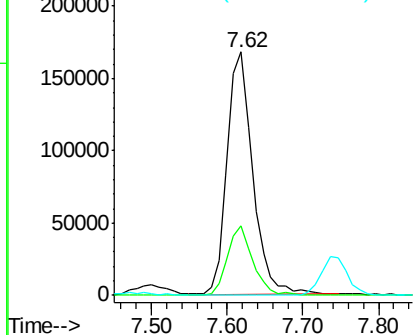
Isopropyl Acetate
 Concen: 43.95 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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#



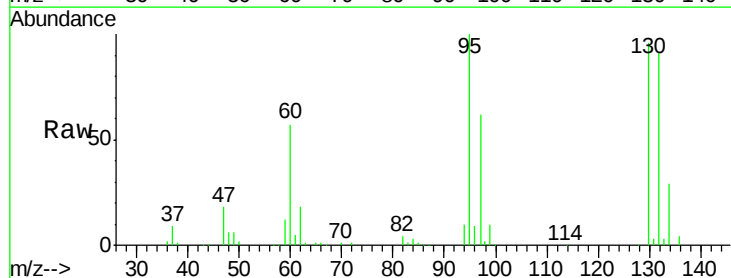
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



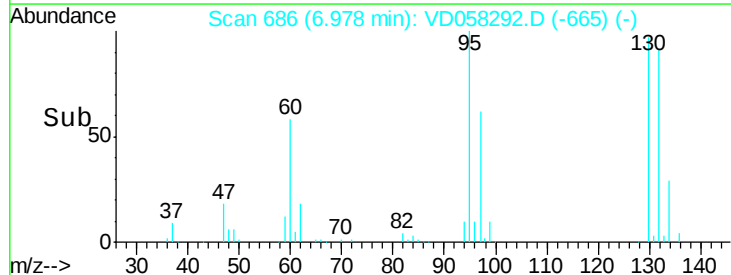
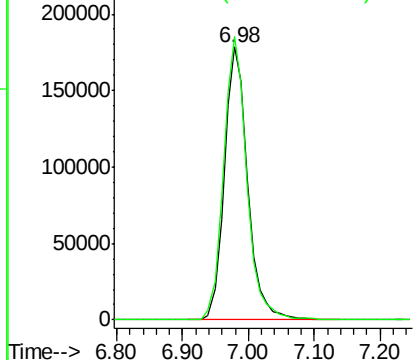
#44

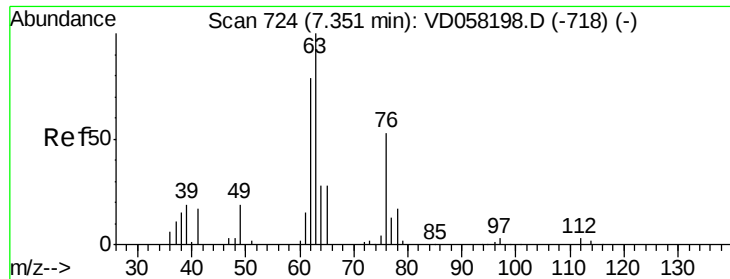
Trichloroethene
 Concen: 52.60 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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 :

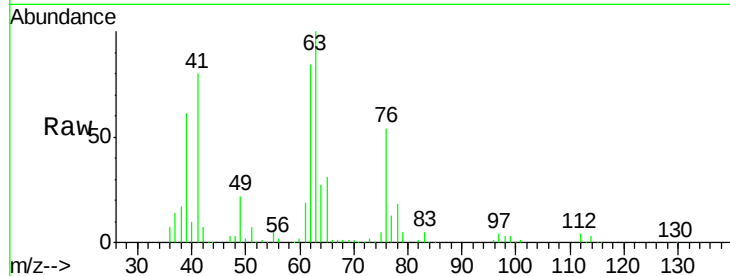
VSTDCCC050

Tot Ion: 63 Resp: 384625

Ion Ratio Lower Upper

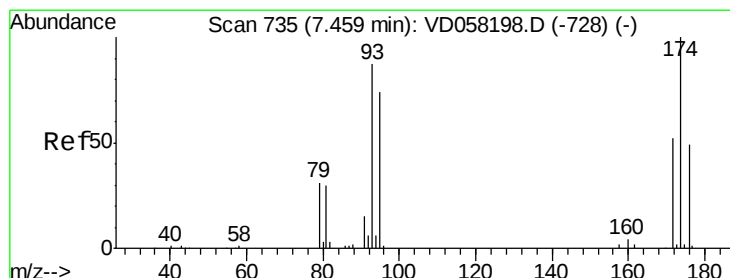
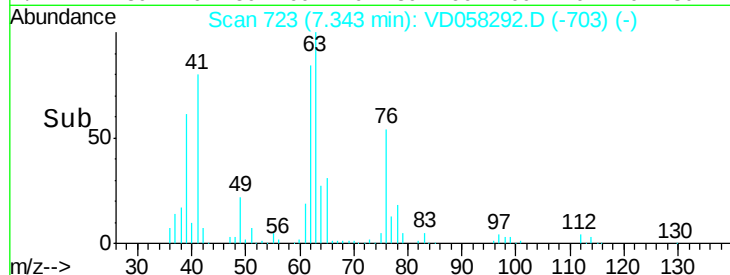
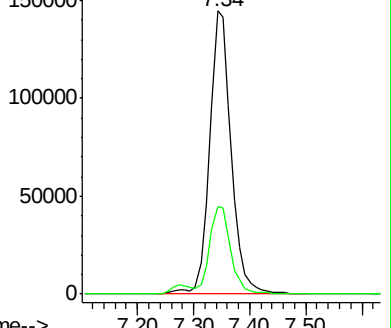
63 100

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

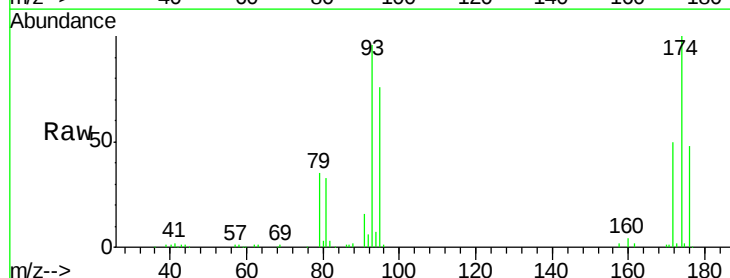
Tgt Ion: 93 Resp: 267383

Ion Ratio Lower Upper

93 100

95 78.8 67.8 101.6

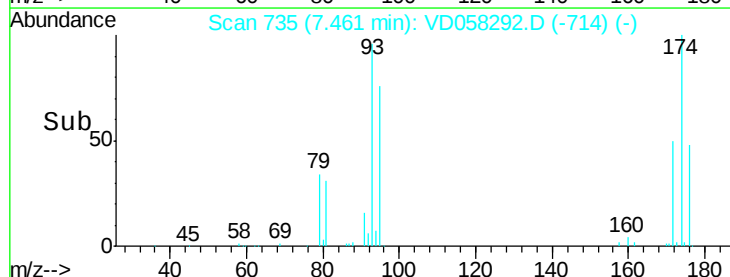
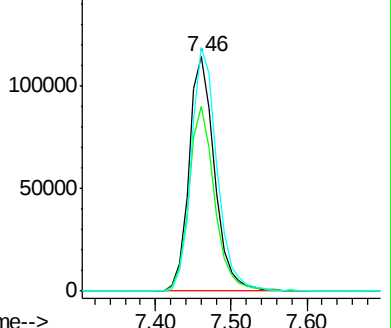
174 104.0 92.2 138.2

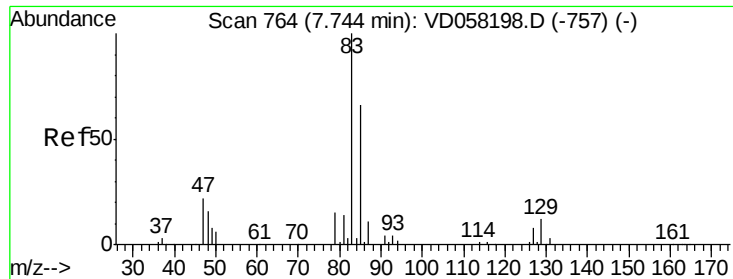


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

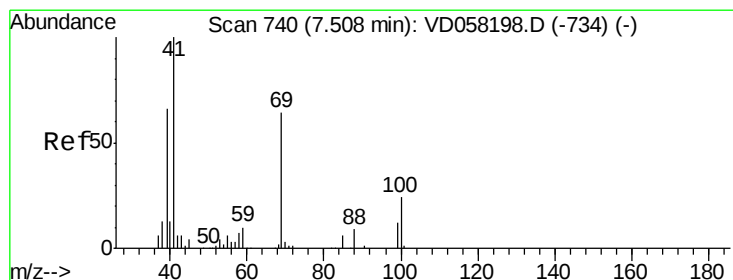
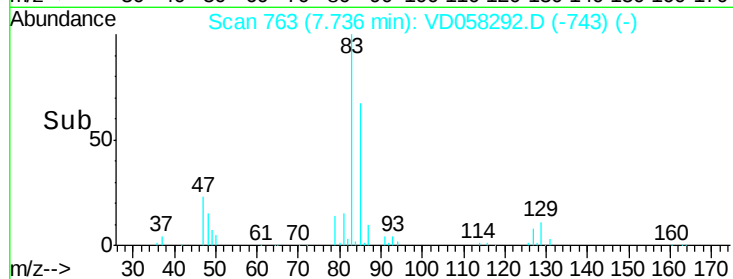
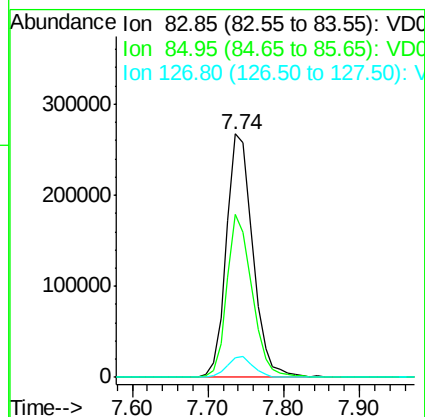
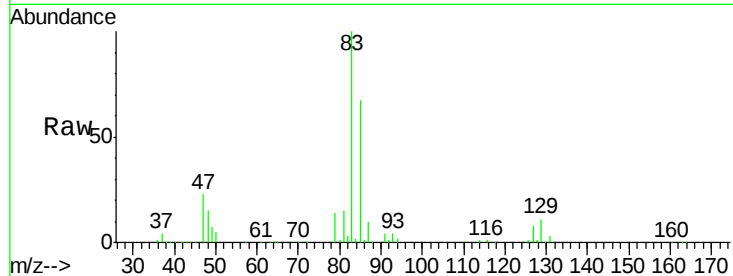
Tot Ion: 83 Resp: 644170

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

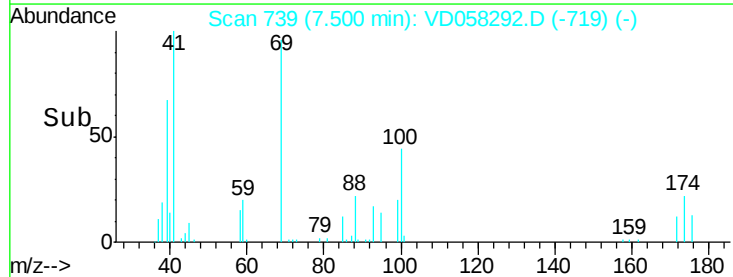
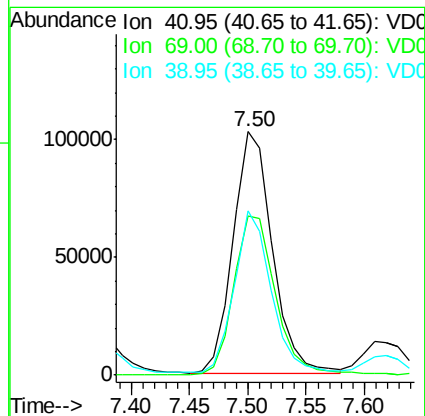
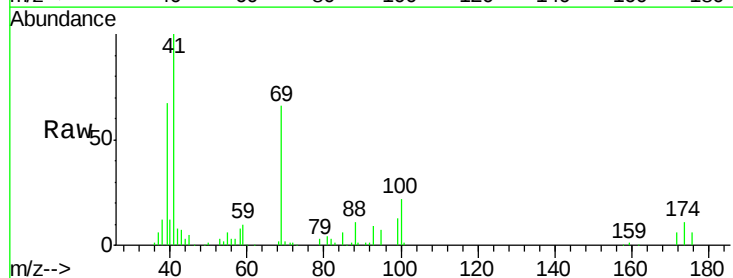
Tgt Ion: 41 Resp: 239994

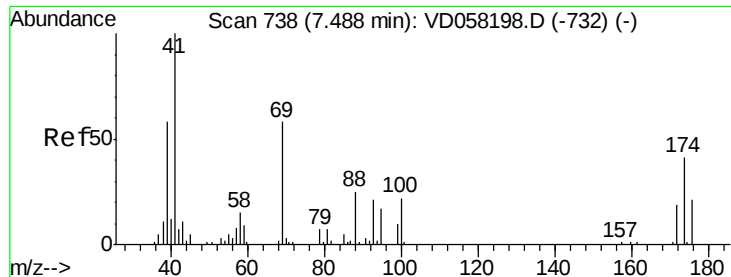
Ion Ratio Lower Upper

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

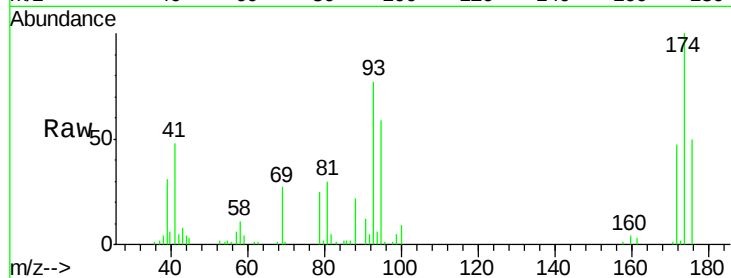
Tot Ion: 88 Resp: 49158

Ion Ratio Lower Upper

88 100

43 36.2 34.2 51.2

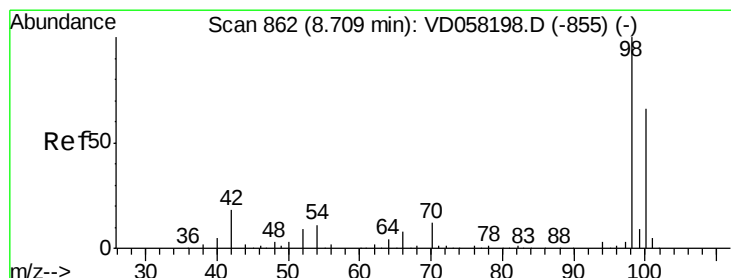
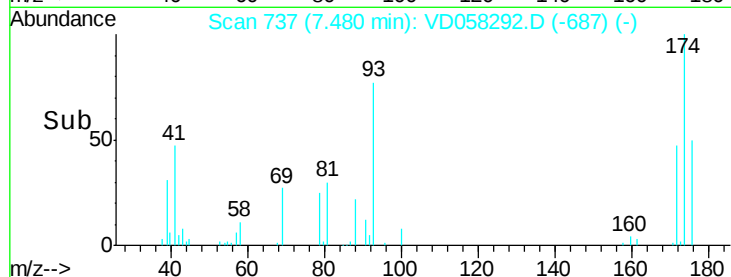
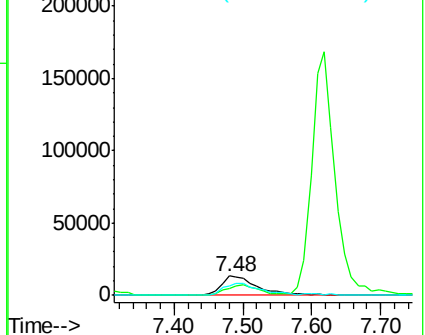
58 51.8 47.9 71.9



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1002.61 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058292.D

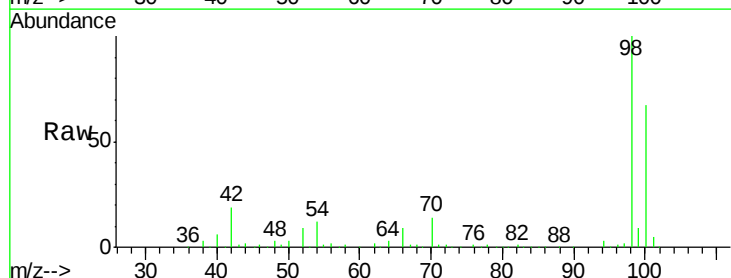
Acq: 22 Jun 2018 12:32

Tgt Ion: 98 Resp: 1250749

Ion Ratio Lower Upper

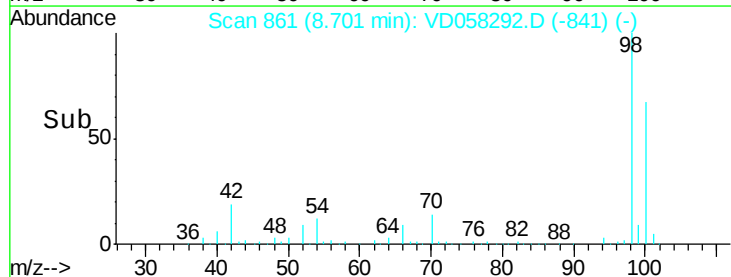
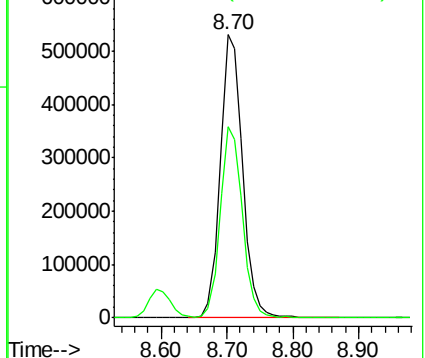
98 100

100 67.5 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 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 :

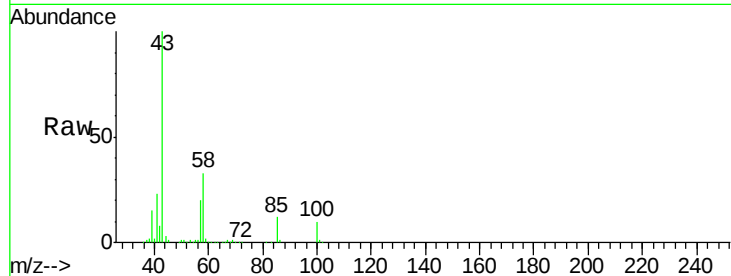
VSTDCCC050

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

8.59

600000

500000

400000

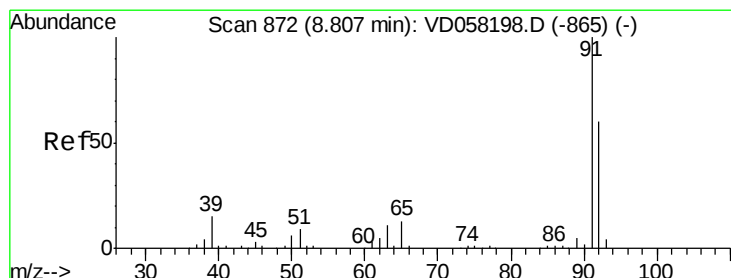
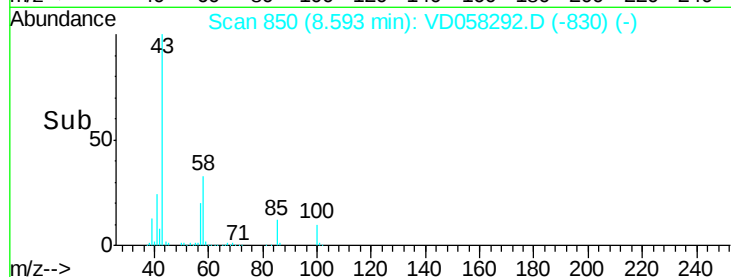
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.70 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058292.D

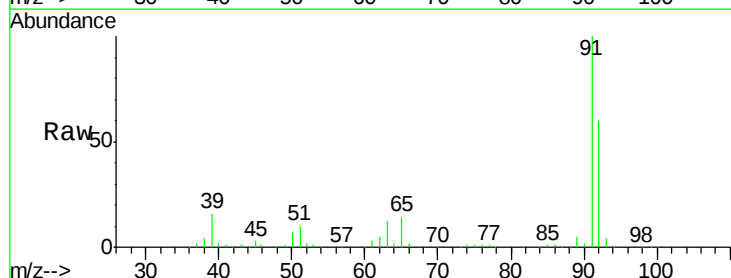
Acq: 22 Jun 2018 12:32

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

8.80

600000

500000

400000

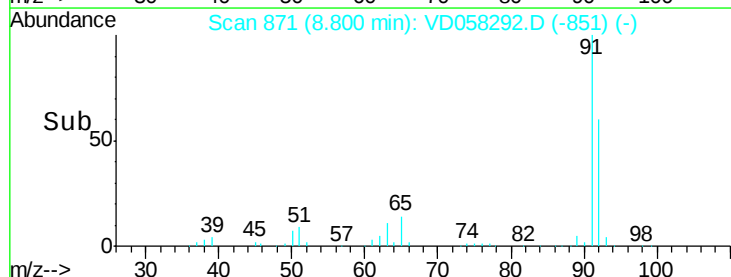
300000

200000

100000

0

Time-->

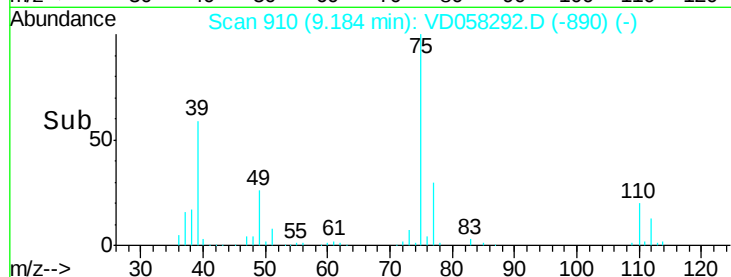
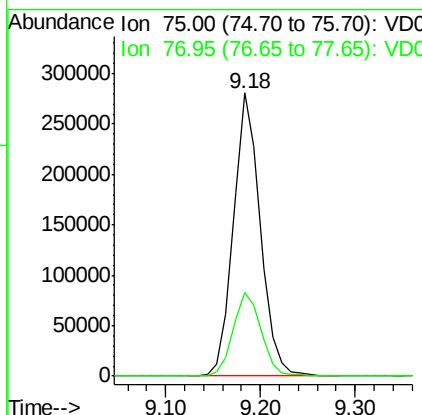
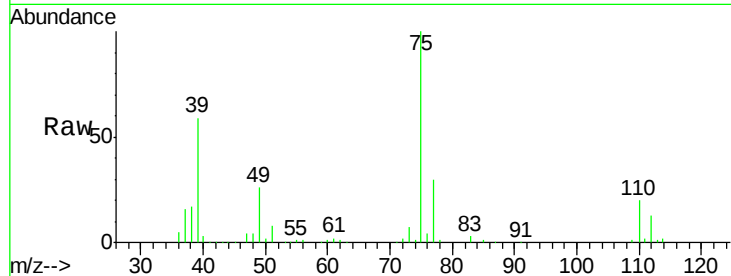




#53
 t-1,3-Dichloropropene
 Concen: 54.09 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

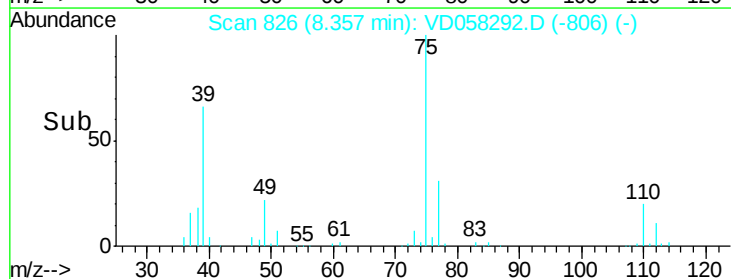
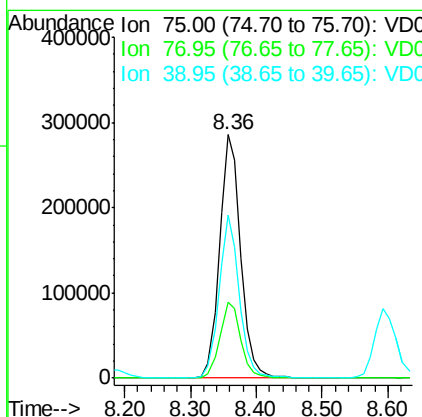
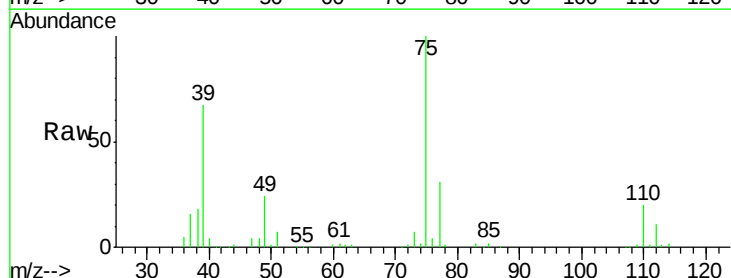
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

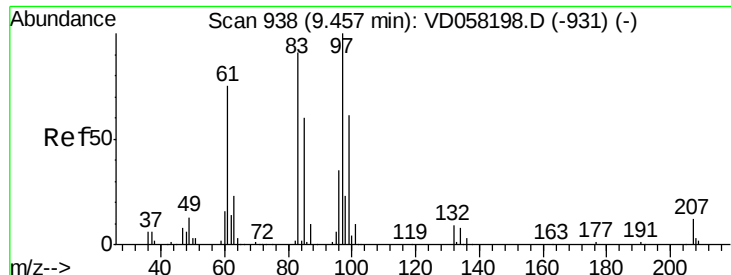
Tot Ion: 75 Resp: 552544
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.8 38.8



#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

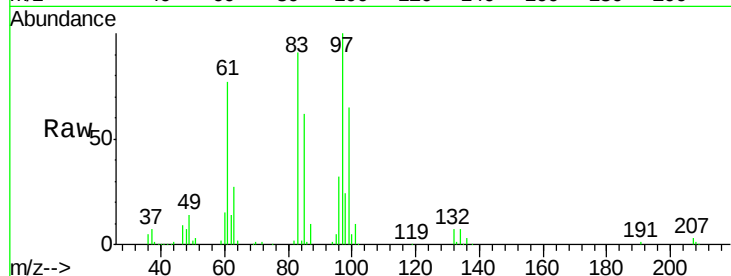




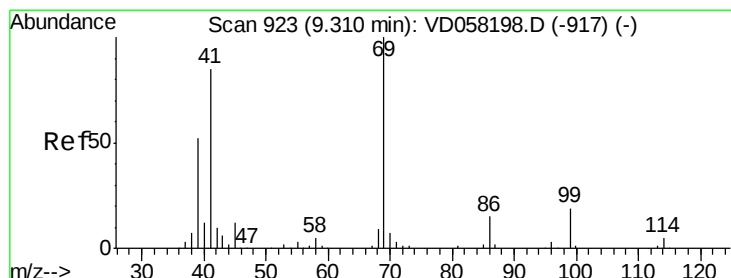
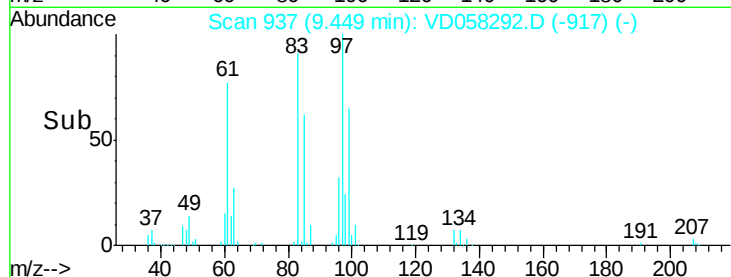
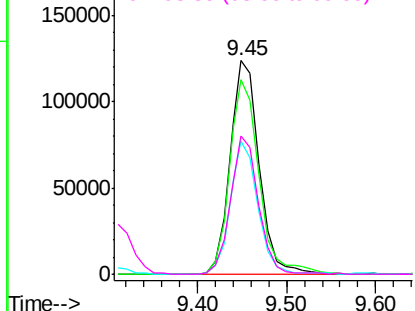
#55
 1,1,2-Trichloroethane
 Concen: 49.94 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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

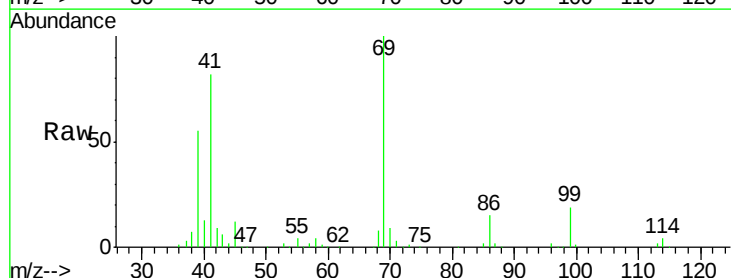


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

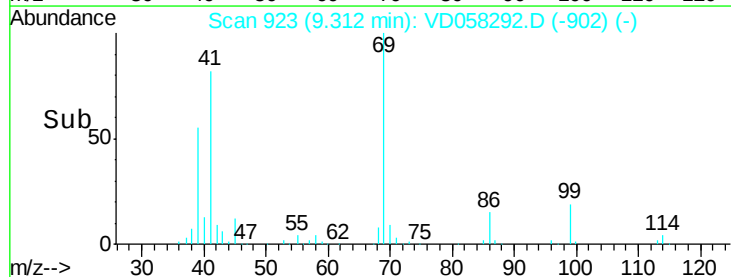
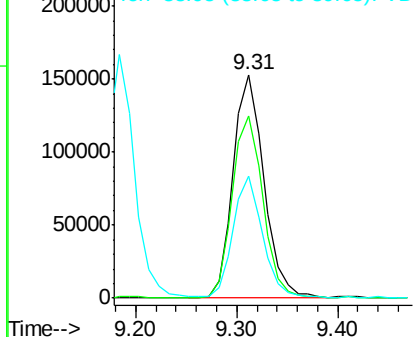


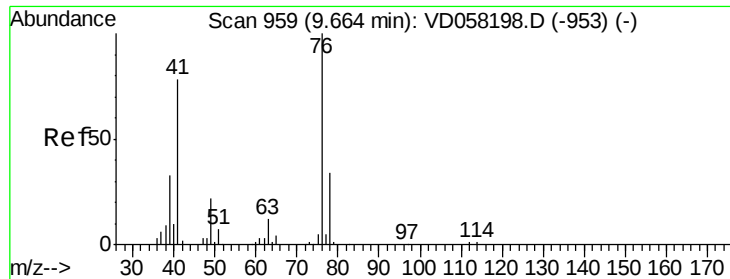
#56
 Ethyl methacrylate
 Concen: 48.29 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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



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 :

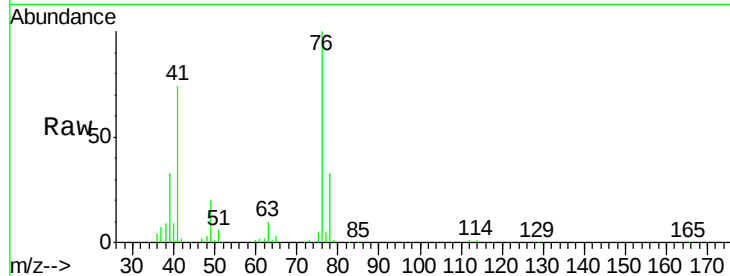
VSTDCCC050

Tot Ion: 76 Resp: 490068

Ion Ratio Lower Upper

76 100

78 32.7 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

250000

200000

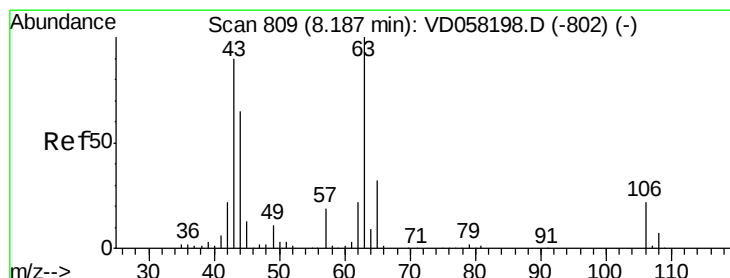
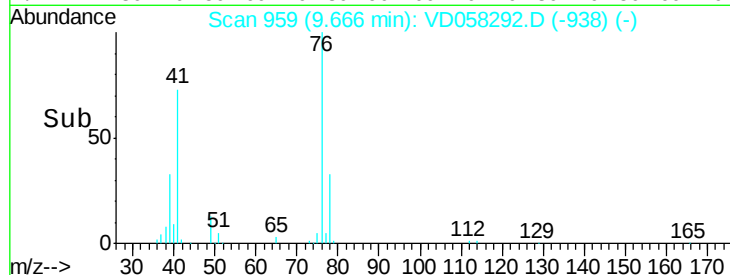
150000

100000

50000

0

Time-->



#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

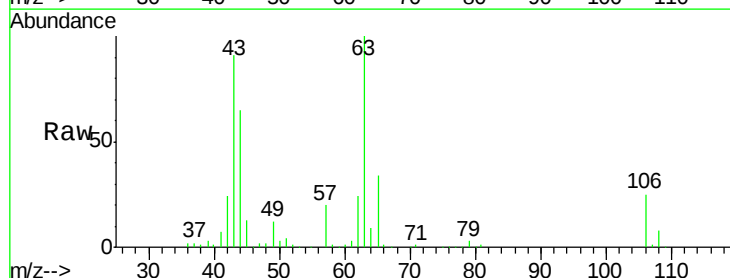
Acq: 22 Jun 2018 12:32

Tgt Ion: 63 Resp: 780806

Ion Ratio Lower Upper

63 100

106 24.9 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

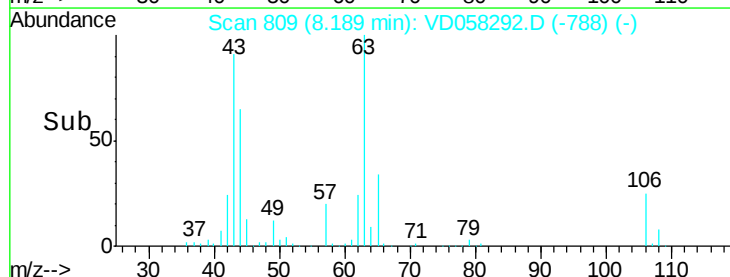
300000

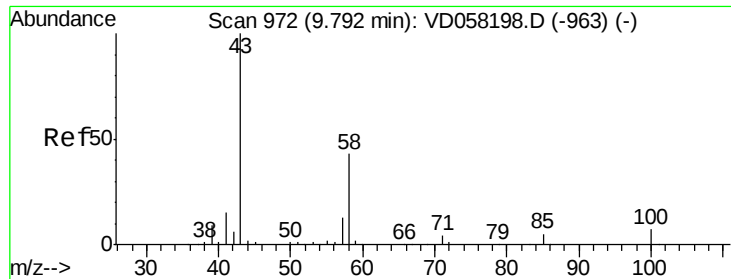
200000

100000

0

Time-->

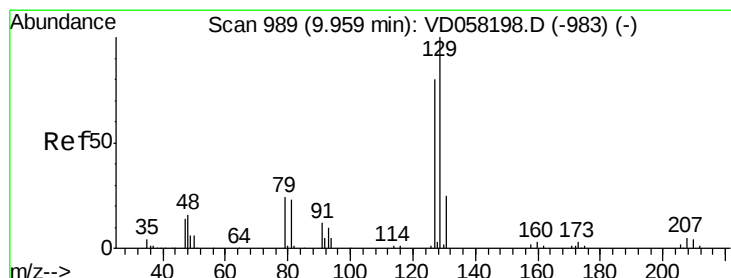
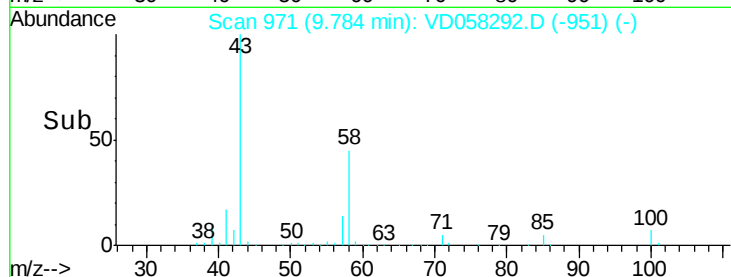
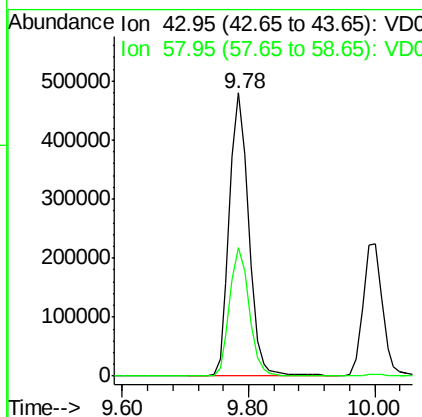
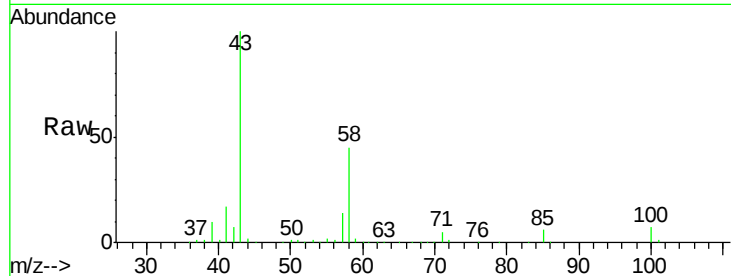




#59
2-Hexanone
Concen: 242.22 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

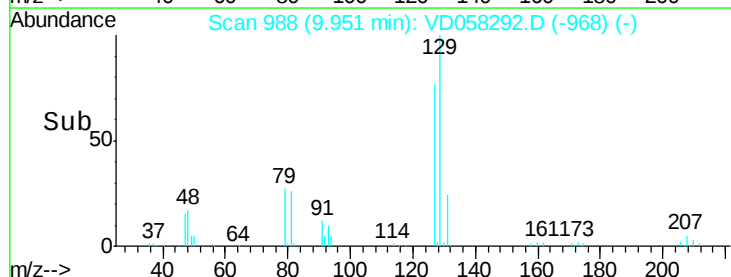
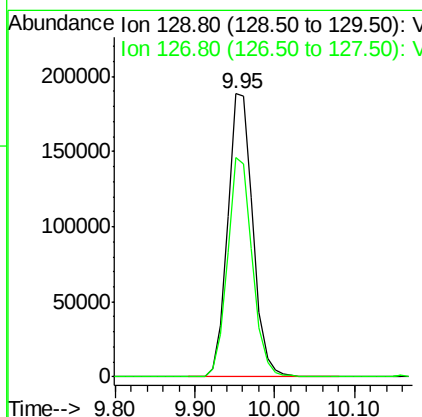
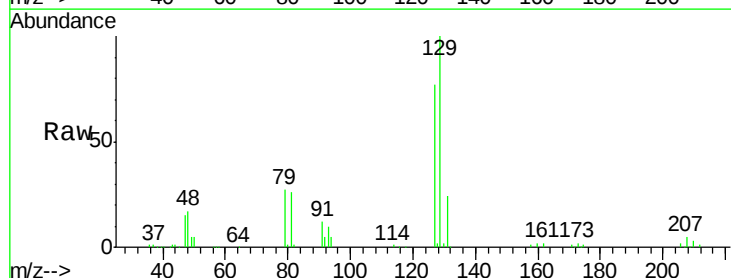
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

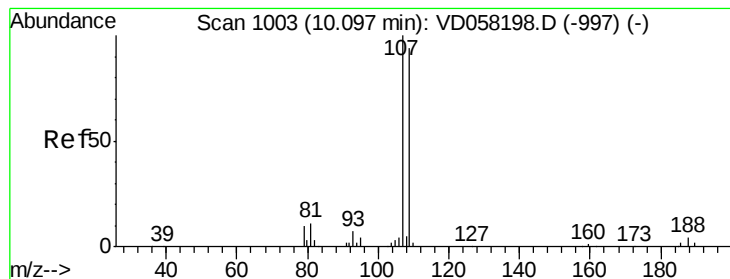
Tot Ion: 43 Resp: 1020283
Ion Ratio Lower Upper
43 100
58 45.3 21.7 65.1



#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 :

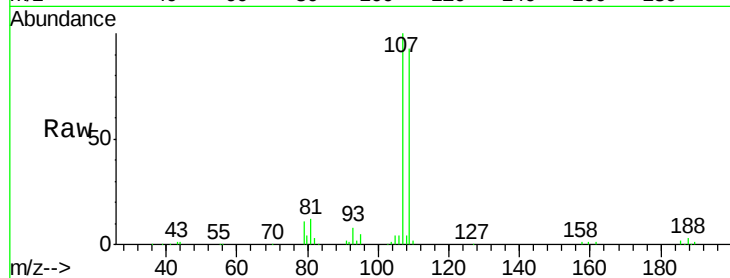
VSTDCCC050

Tot Ion:107 Resp: 317041

Ion Ratio Lower Upper

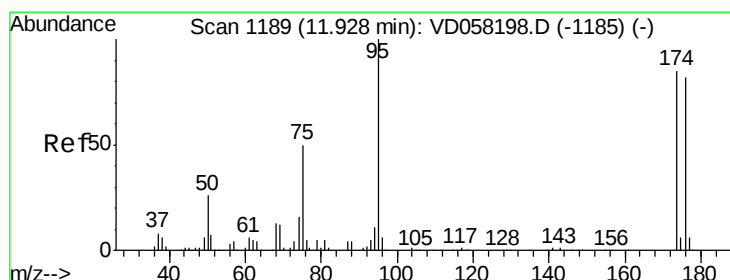
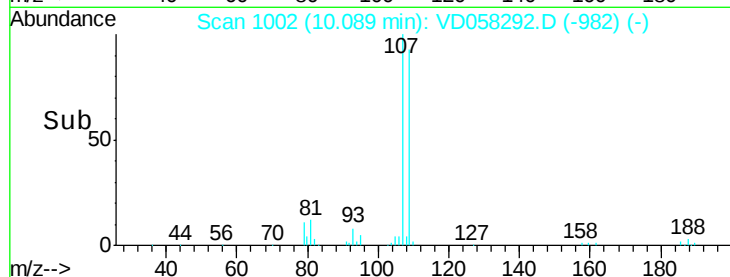
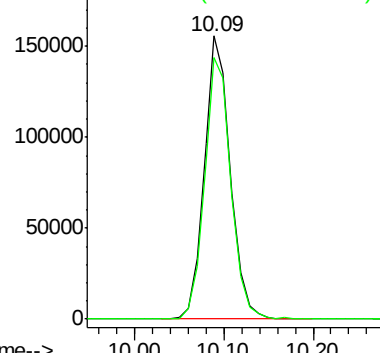
107 100

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

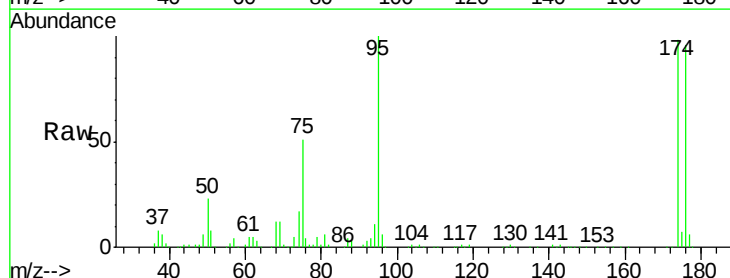
Tgt Ion: 95 Resp: 519820

Ion Ratio Lower Upper

95 100

174 98.5 0.0 170.2

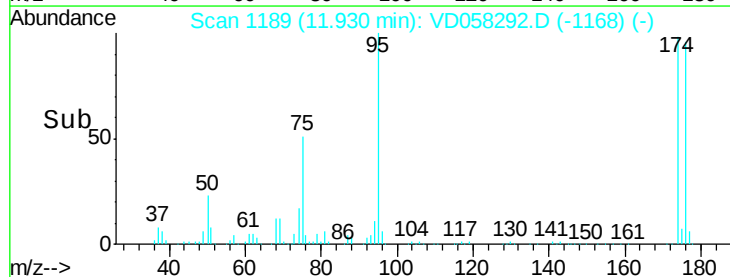
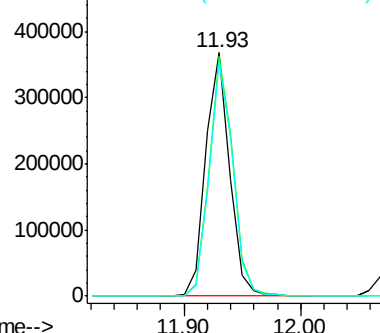
176 96.4 0.0 164.6

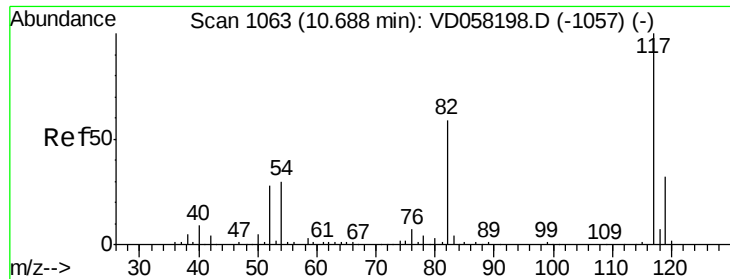


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

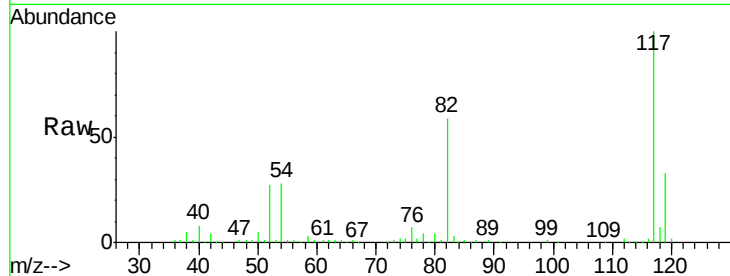




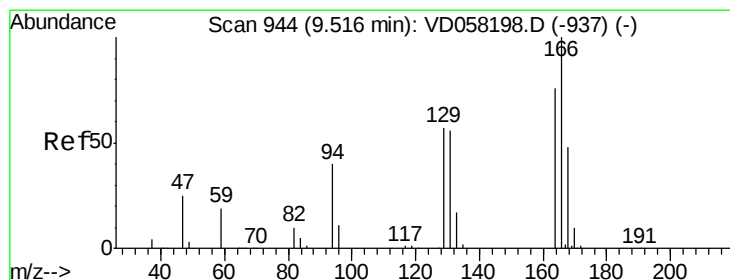
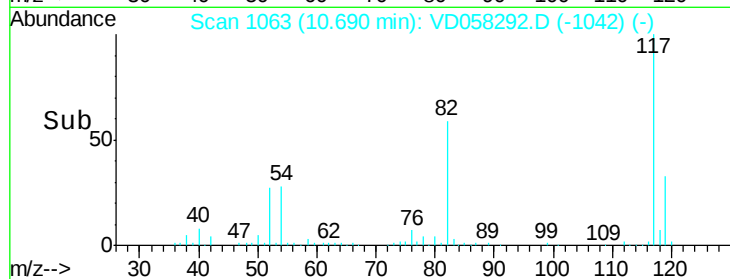
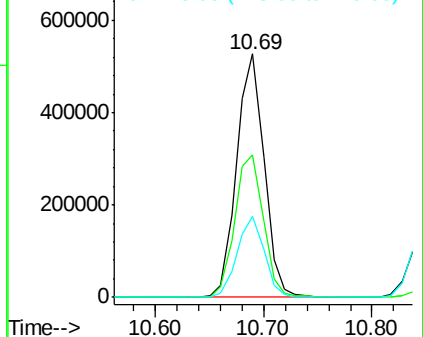
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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



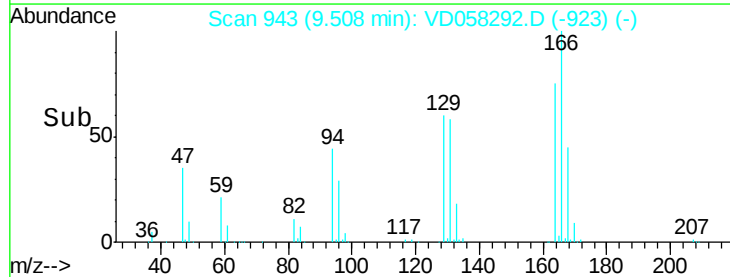
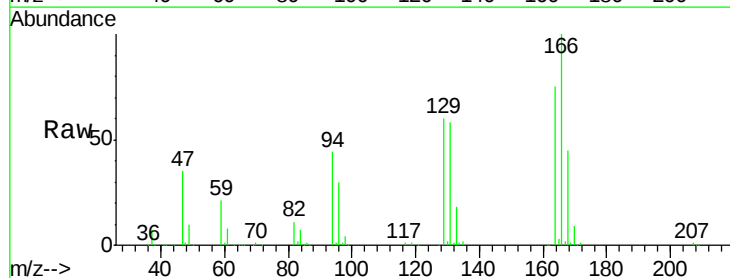
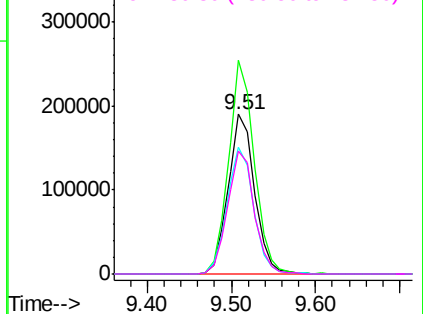
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

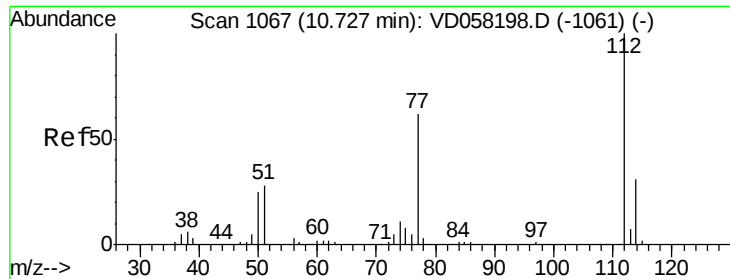


#64
Tetrachloroethene
Concen: 52.76 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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

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

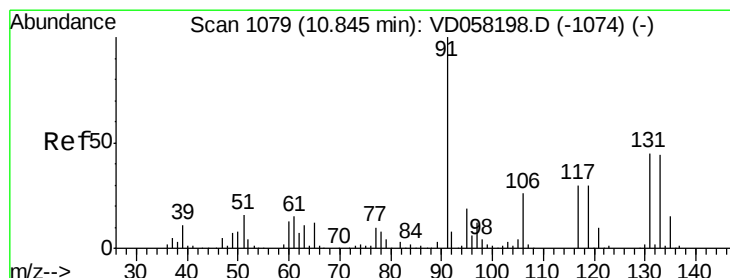
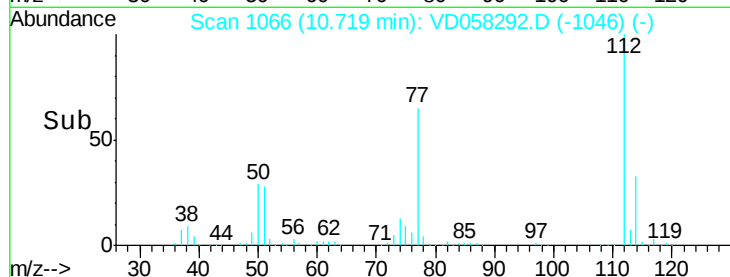
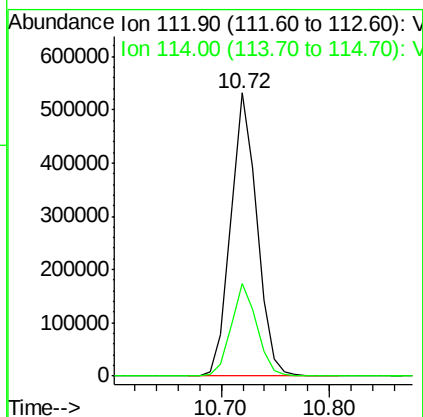
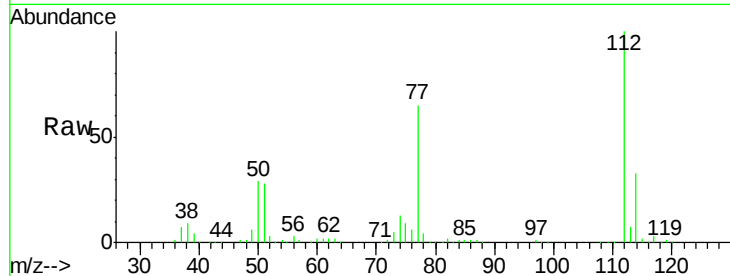




#65
Chlorobenzene
Concen: 51.58 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

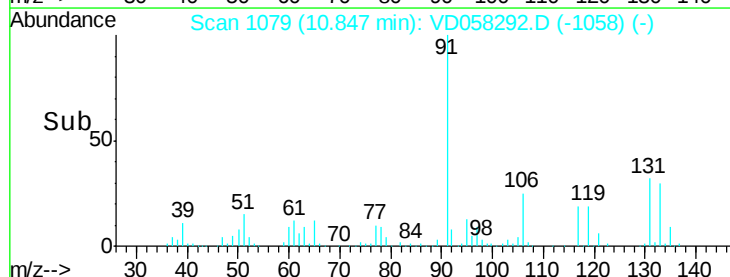
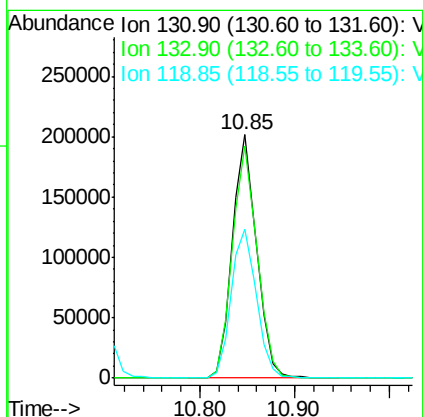
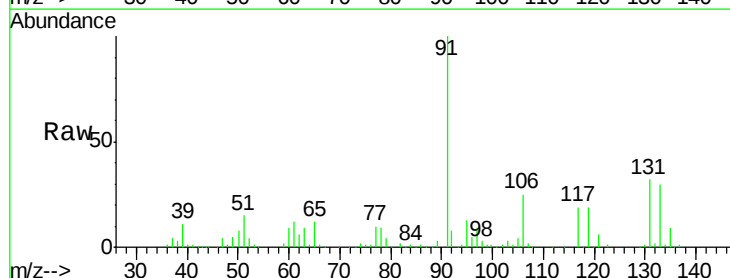
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 898847
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.4



#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

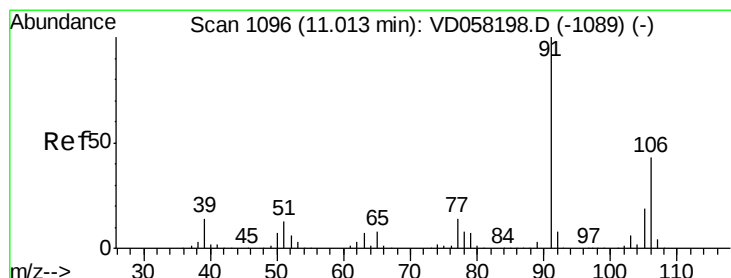
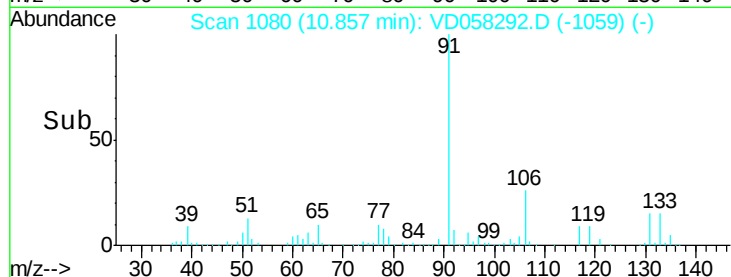
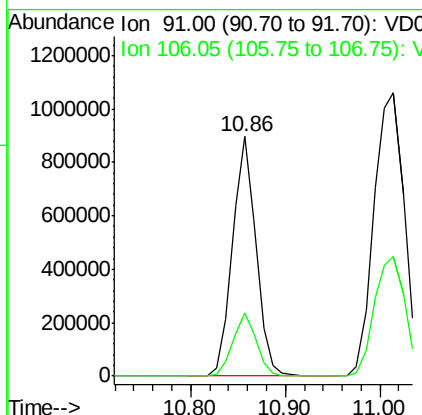
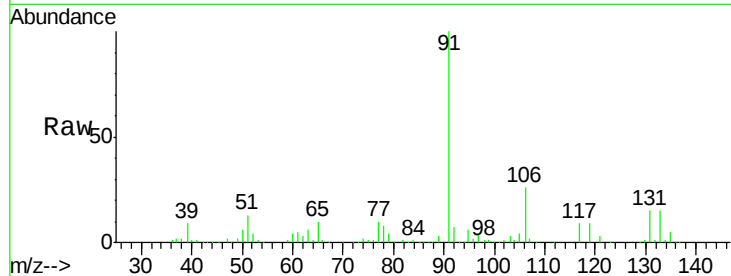




#67
Ethyl Benzene
Concen: 50.11 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

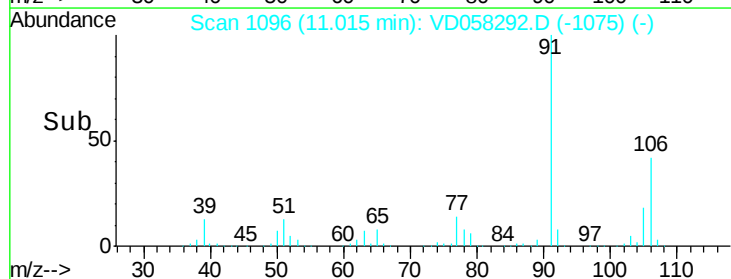
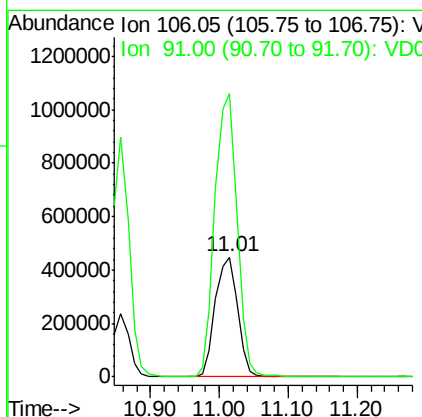
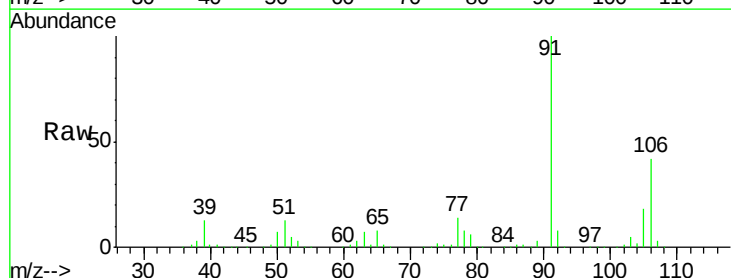
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

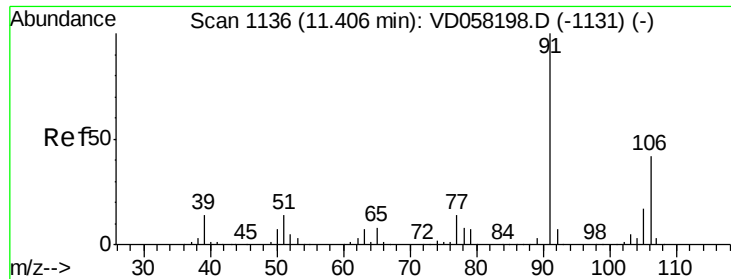
Tot Ion: 91 Resp: 1541551
Ion Ratio Lower Upper
91 100
106 26.4 22.0 33.0



#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

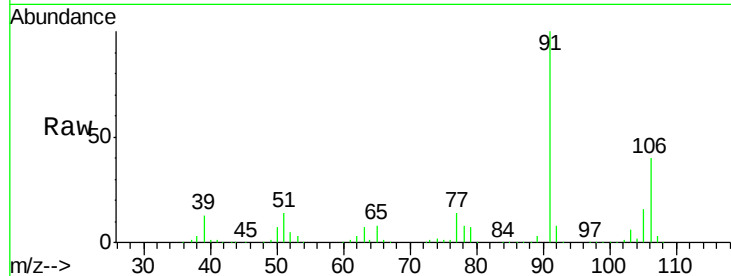




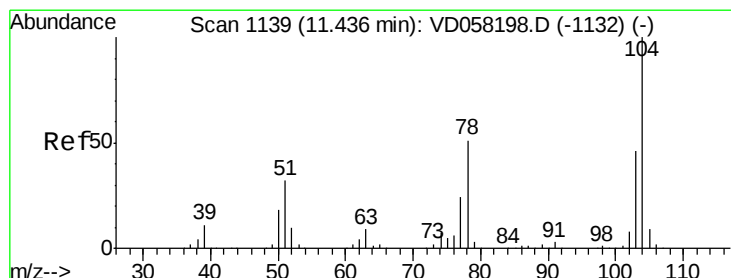
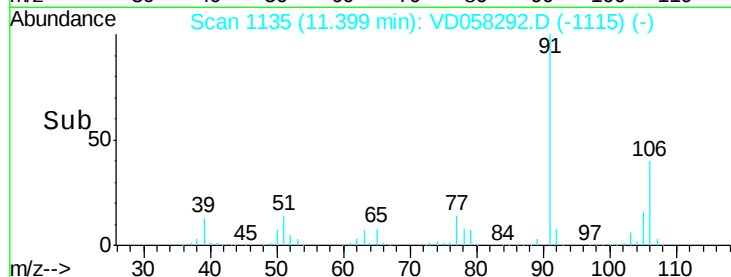
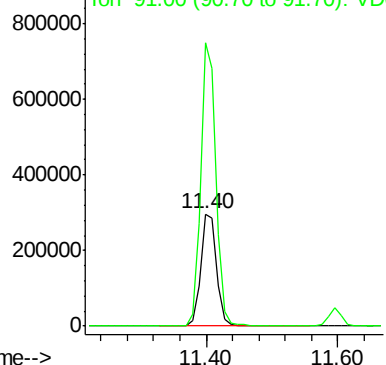
#69
o-Xylene
Concen: 50.76 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

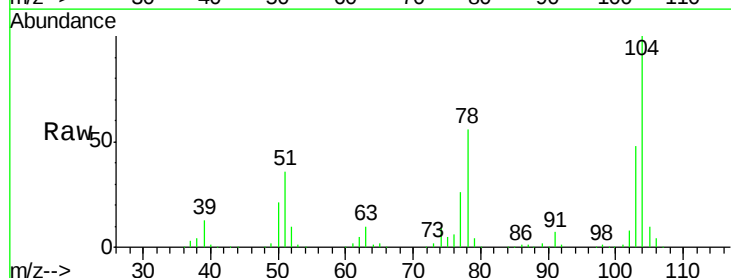


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

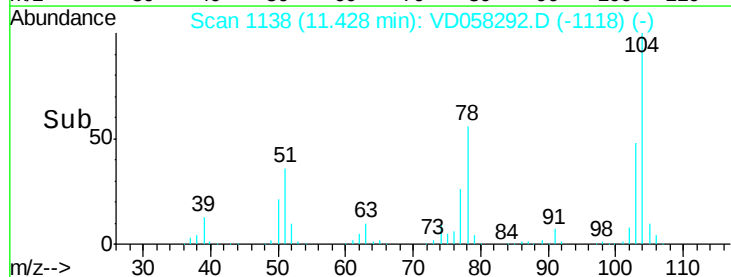
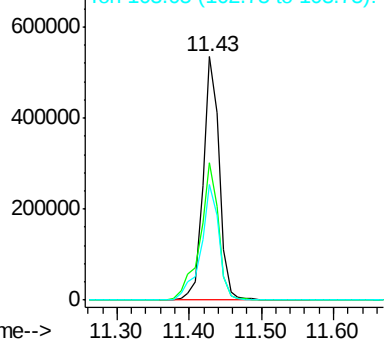


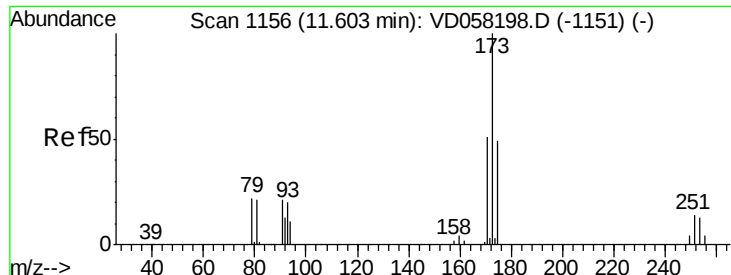
#70
Styrene
Concen: 49.75 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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): V
Ion 103.05 (102.75 to 103.75): V

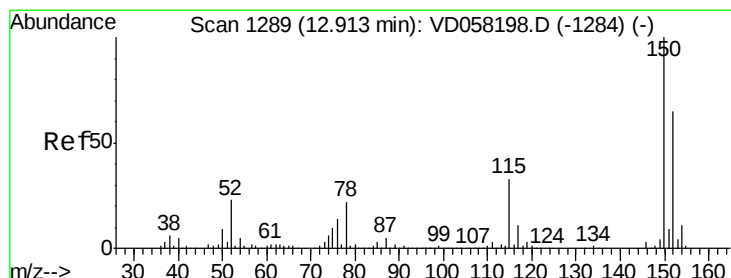
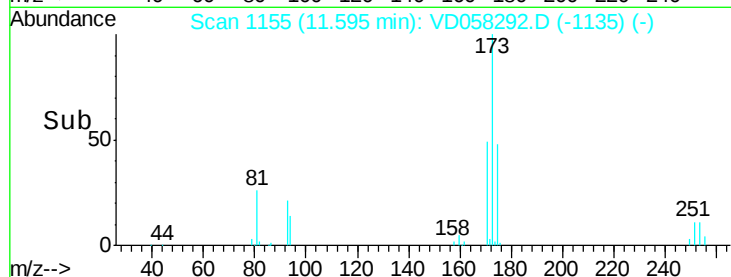
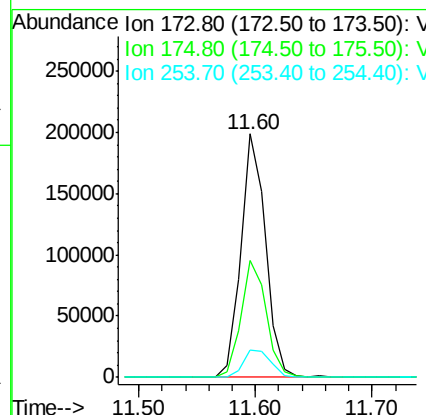
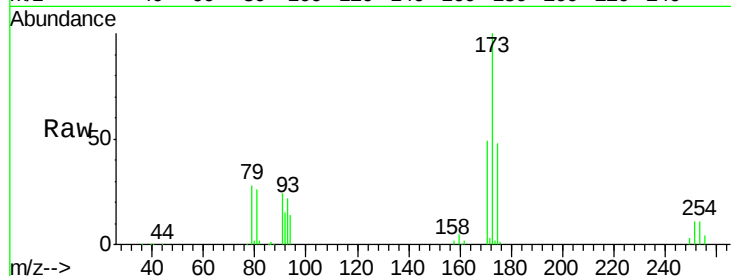




#71
Bromoform
Concen: 54.23 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

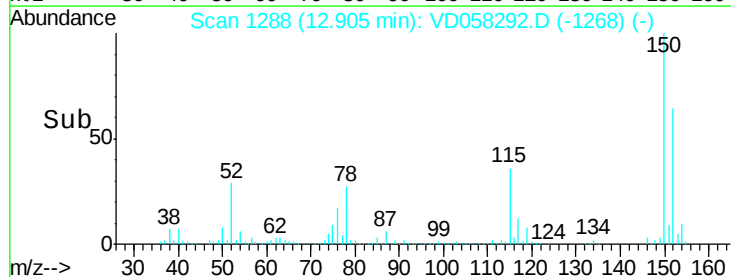
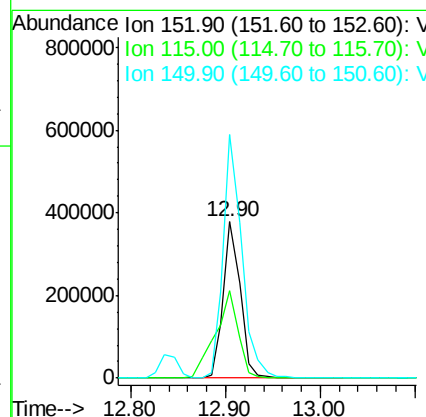
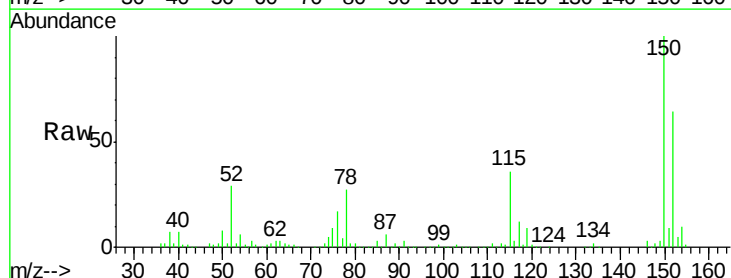
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

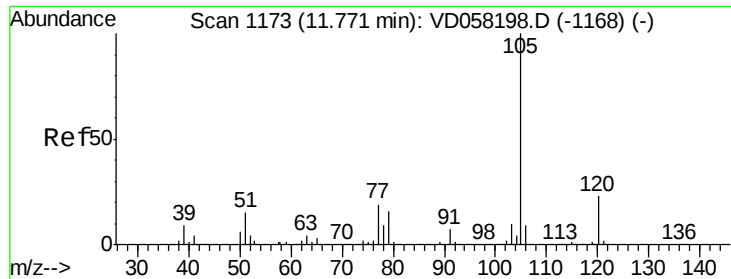
Tot Ion:173 Resp: 290926
Ion Ratio Lower Upper
173 100
175 48.1 24.6 74.0
254 11.3 10.3 15.5



#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





#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 :

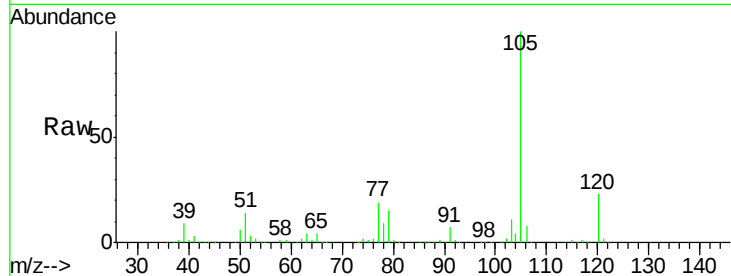
VSTDCCC050

Tot Ion:105 Resp: 1428297

Ion Ratio Lower Upper

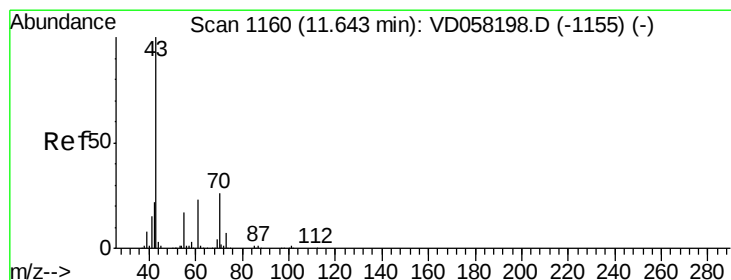
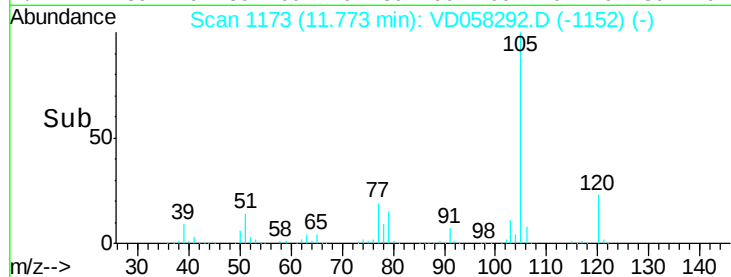
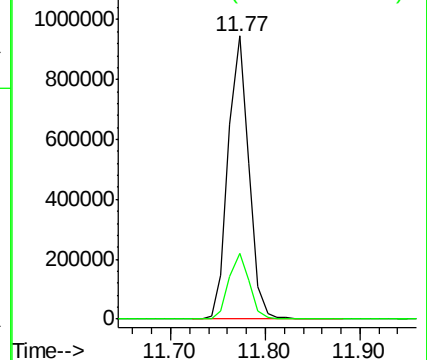
105 100

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

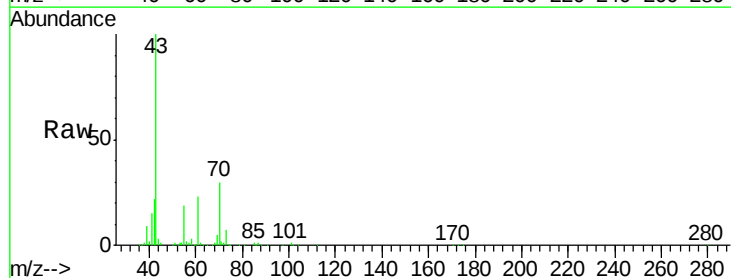
Ion Ratio Lower Upper

43 100

70 30.3 20.9 31.3

55 18.8 13.5 20.3

61 22.9 18.2 27.2

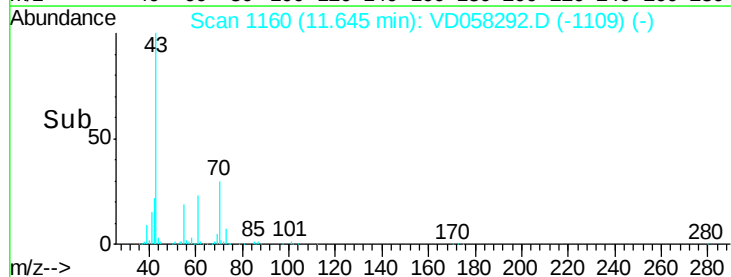
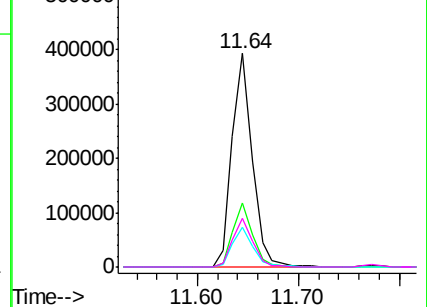


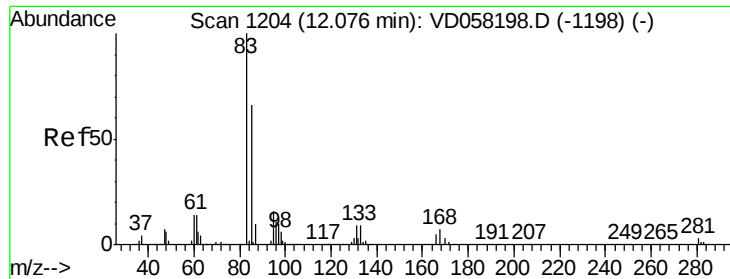
Abundance Ion 42.95 (42.65 to 43.65): VDC

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 :

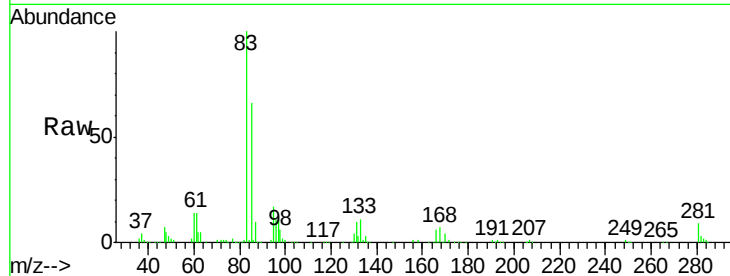
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 338775

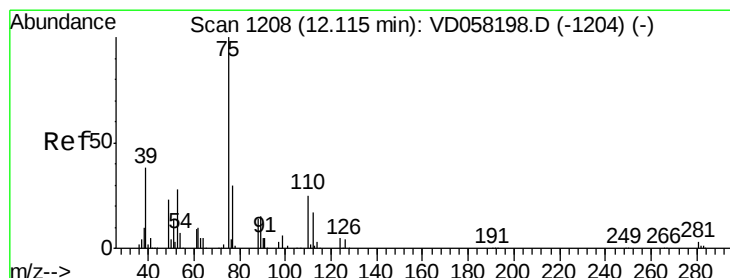
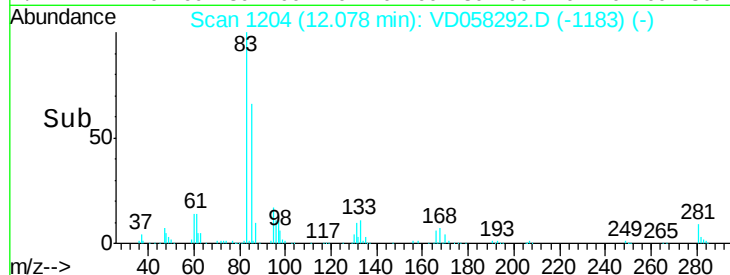
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	66.4	33.1	99.5



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

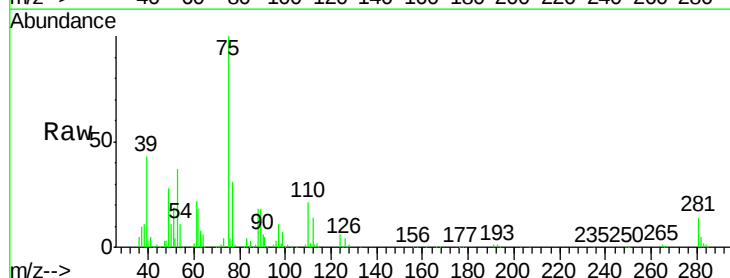
Delta R.T. -0.01 min

Lab File: VD058292.D

Acq: 22 Jun 2018 12:32

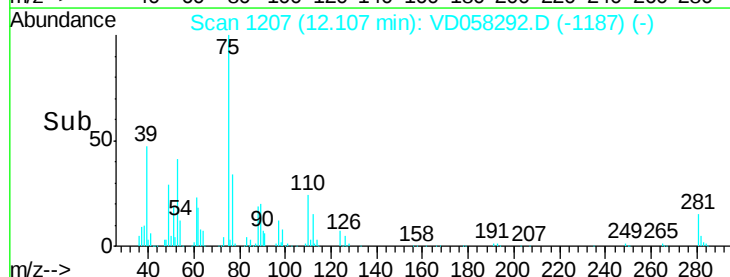
Tgt Ion: 75 Resp: 343319

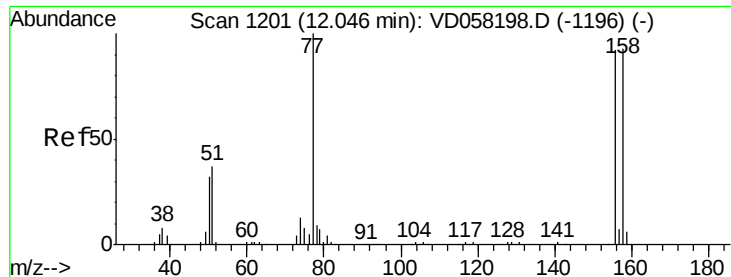
Ion	Ratio	Lower	Upper
75	100		
77	31.2	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

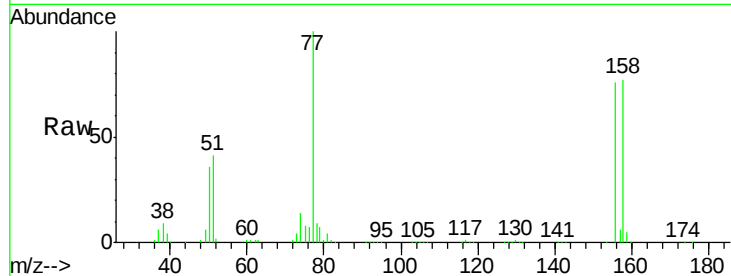




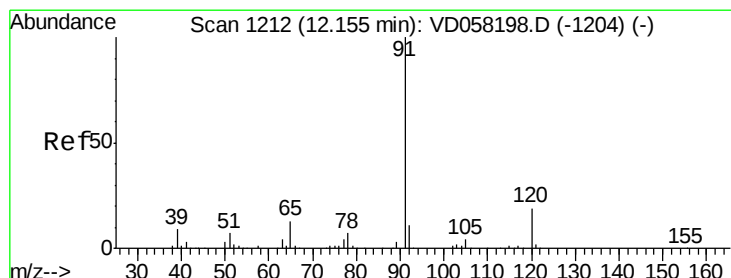
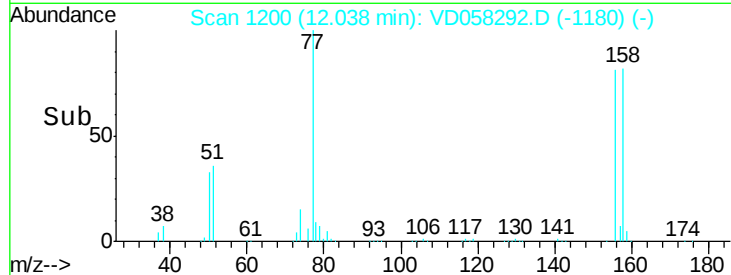
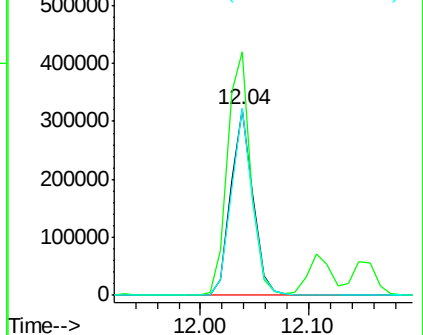
#77
Bromobenzene
Concen: 53.84 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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

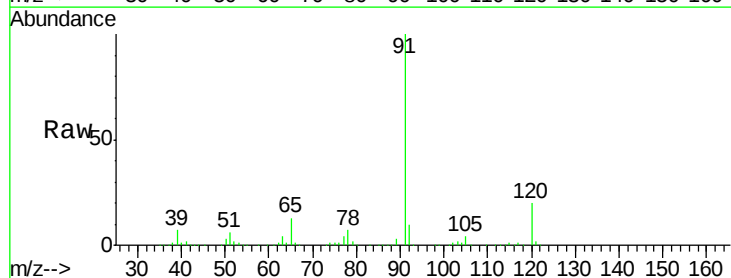


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

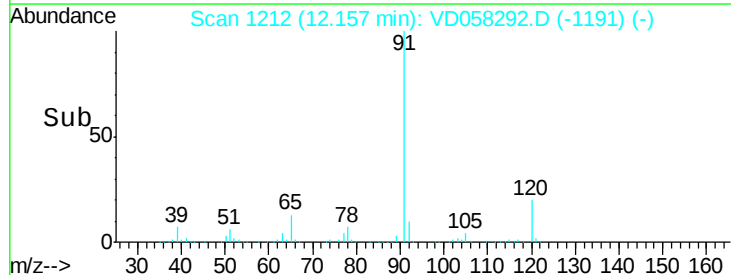
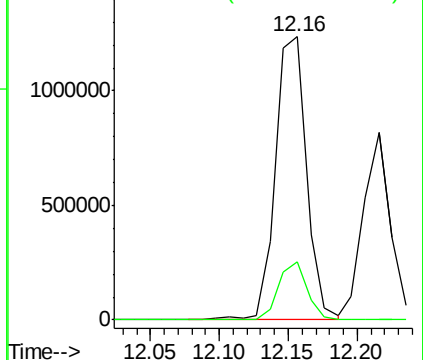


#78
n-propylbenzene
Concen: 52.77 ug/l
RT: 12.16 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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

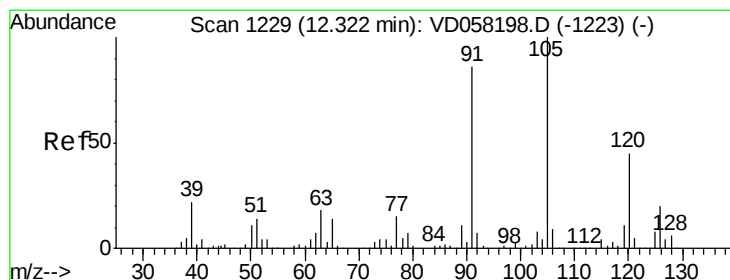
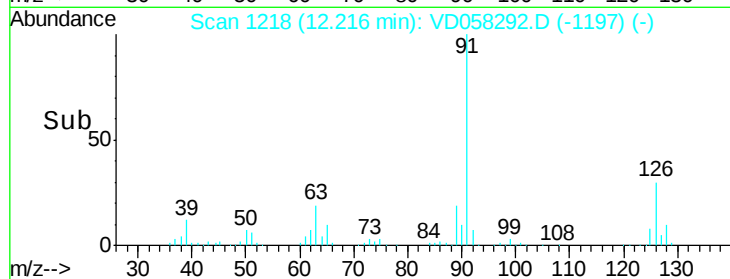
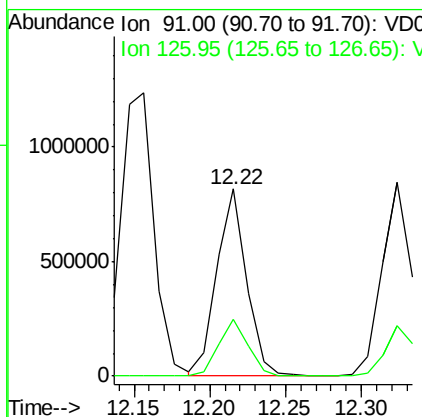
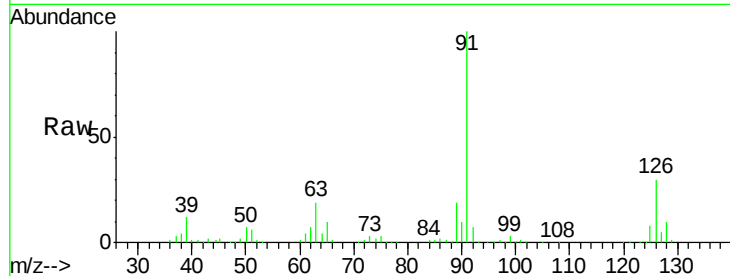




#79
 2-Chlorotoluene
 Concen: 53.62 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

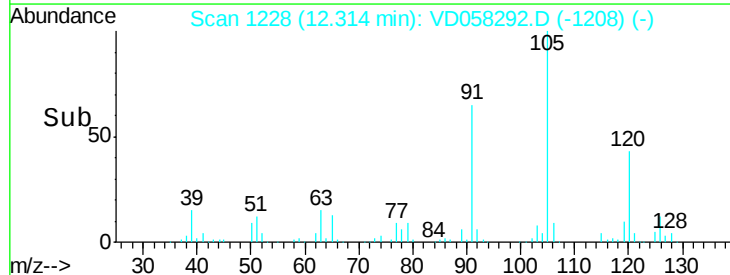
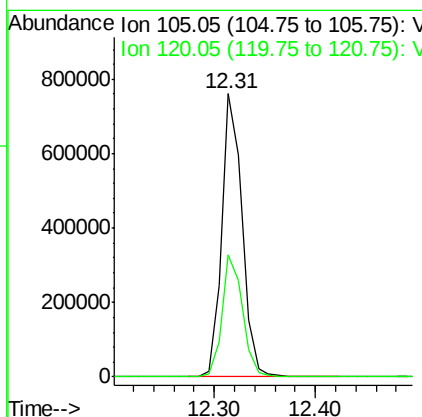
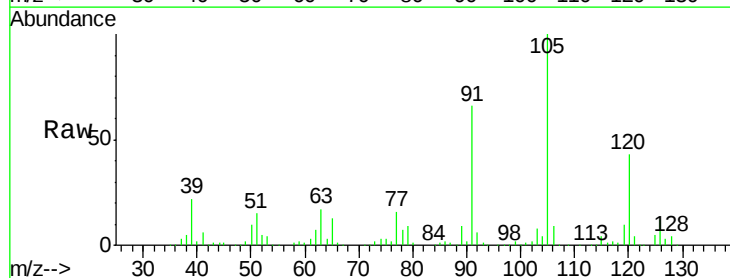
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

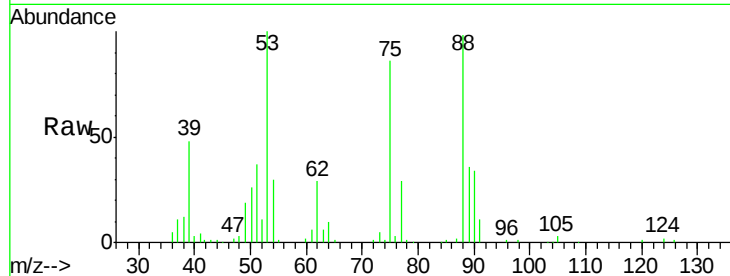
Tot Ion: 75 Resp: 89155

Ion Ratio Lower Upper

75 100

53 115.9 100.8 151.2

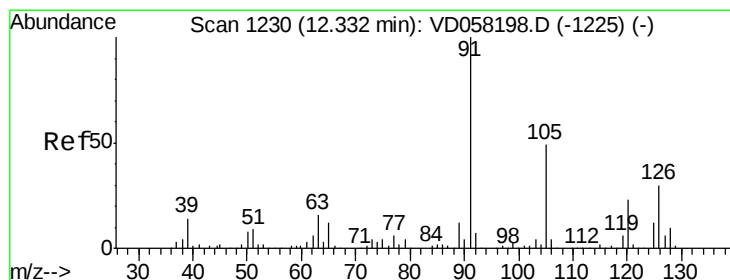
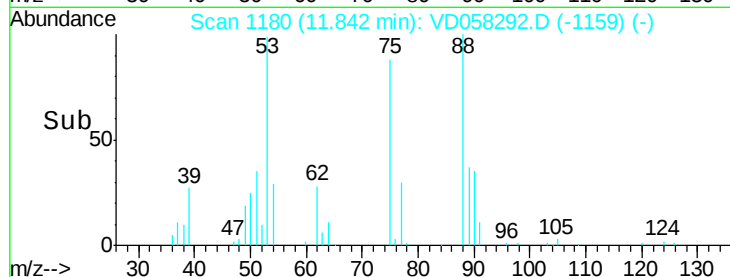
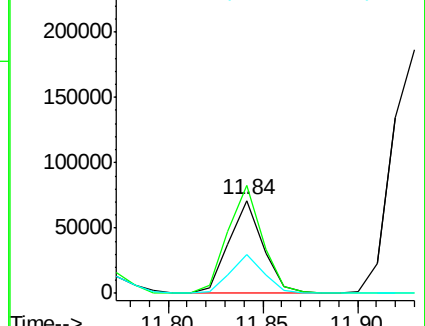
89 42.1 34.6 52.0



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

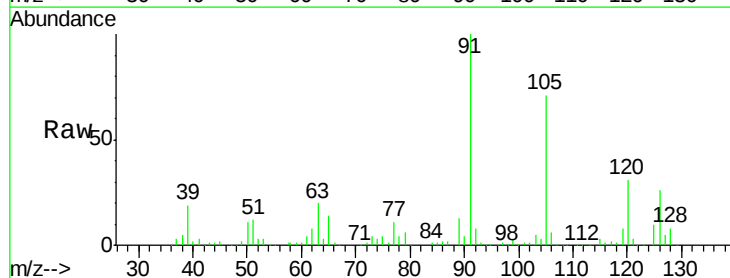
Acq: 22 Jun 2018 12:32

Tgt Ion: 91 Resp: 1158064

Ion Ratio Lower Upper

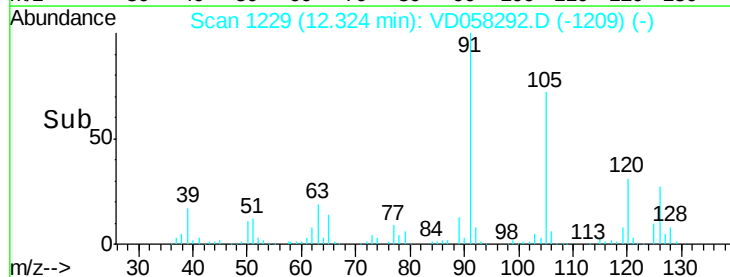
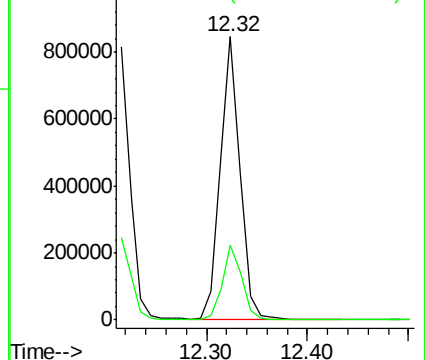
91 100

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

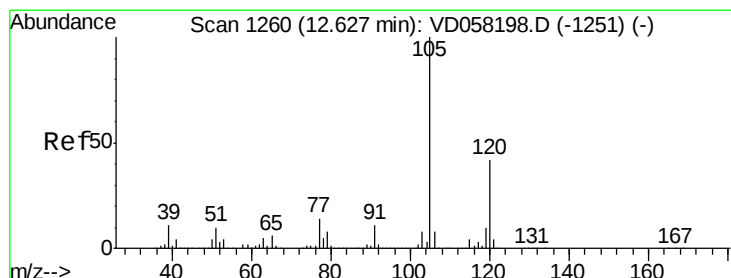
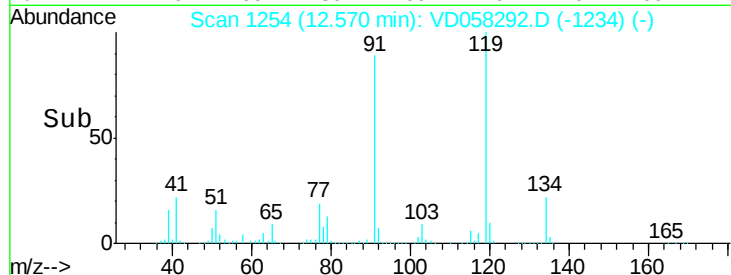
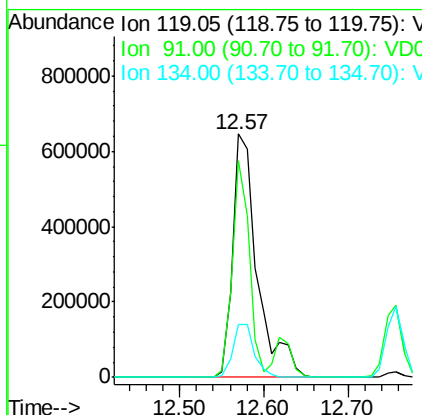
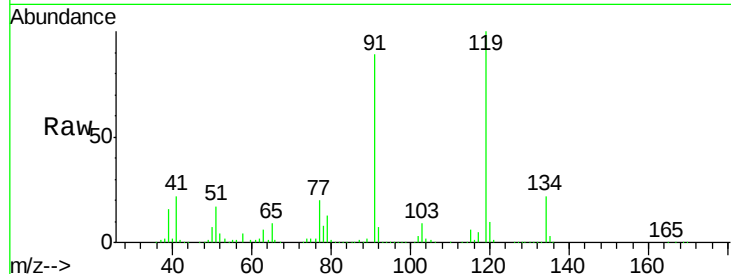




#83
tert-Butylbenzene
Concen: 52.11 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

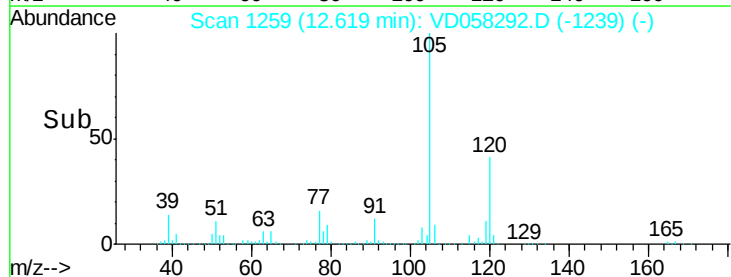
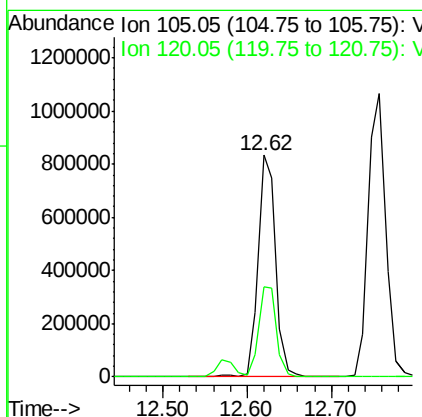
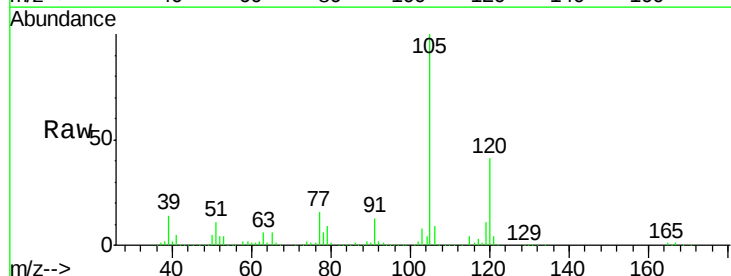
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

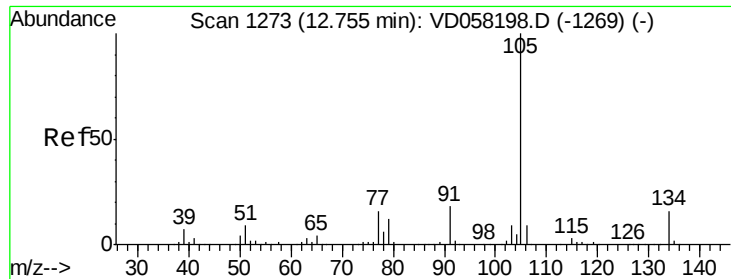
Tot Ion:119 Resp: 1316409
Ion Ratio Lower Upper
119 100
91 89.2 38.9 116.6
134 21.9 11.2 33.5



#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 :

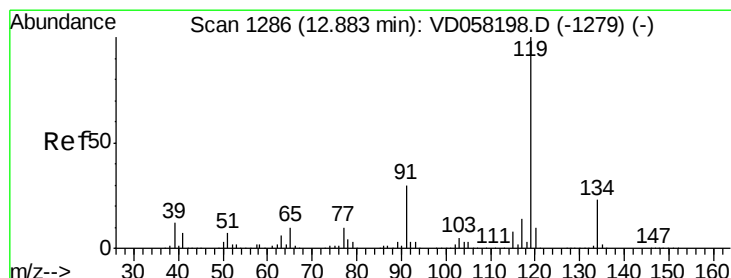
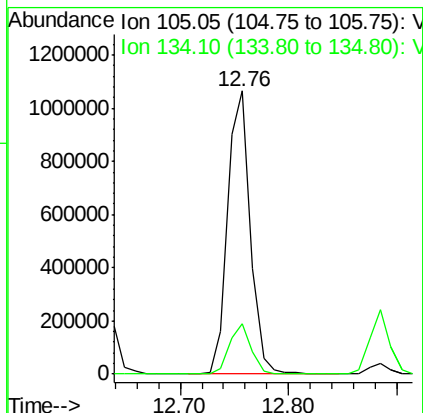
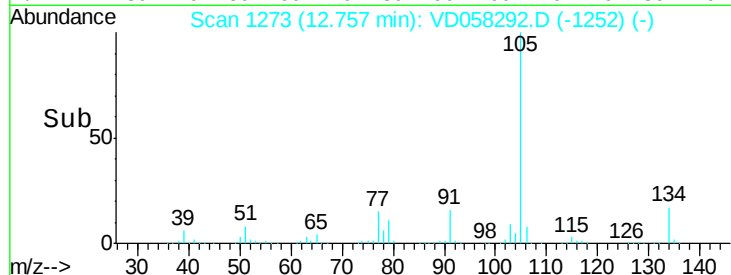
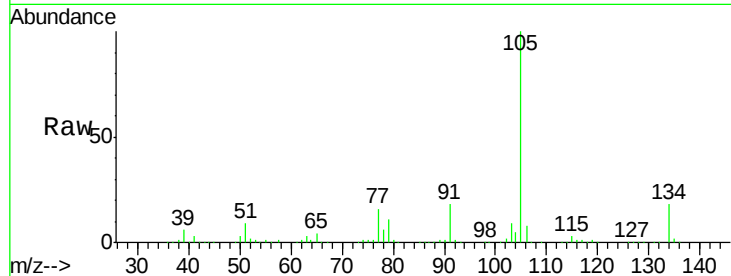
VSTDCCC050

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

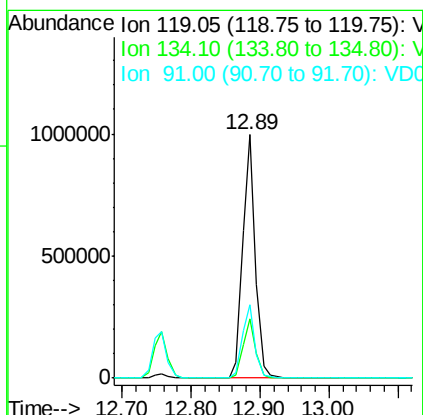
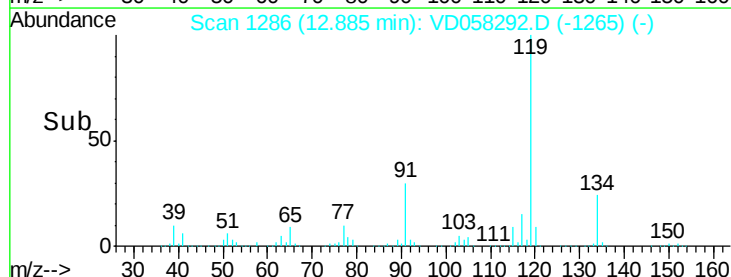
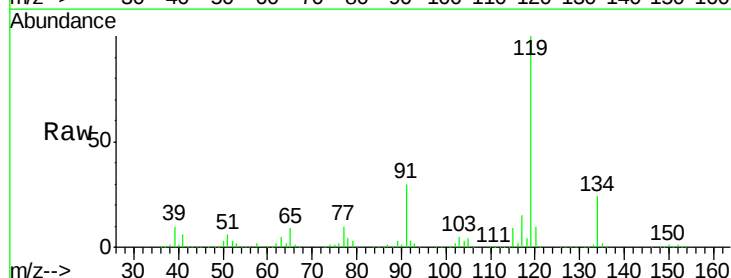
Tgt Ion:119 Resp: 1261130

Ion Ratio Lower Upper

119 100

134 24.1 11.6 34.8

91 29.9 15.0 45.1

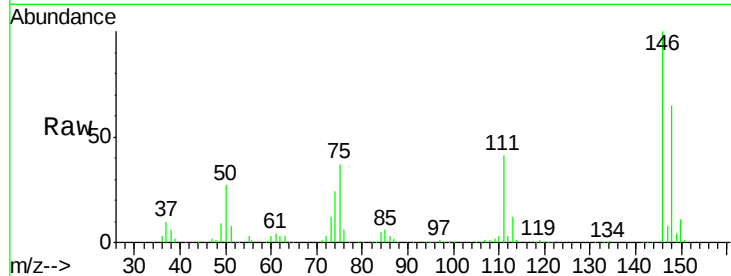




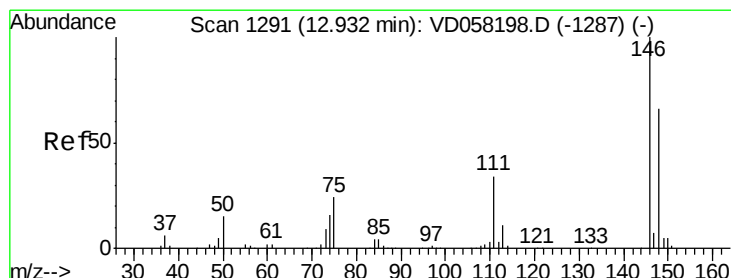
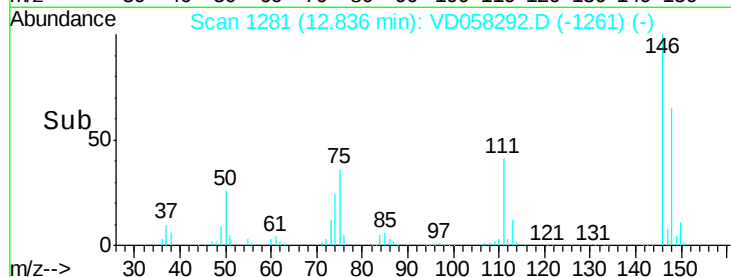
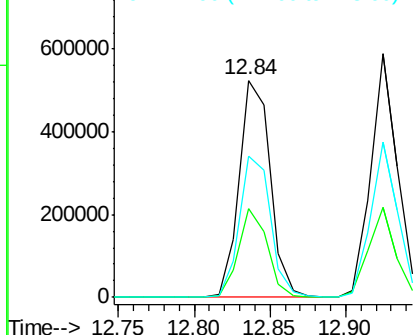
#87
 1,3-Dichlorobenzene
 Concen: 51.22 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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

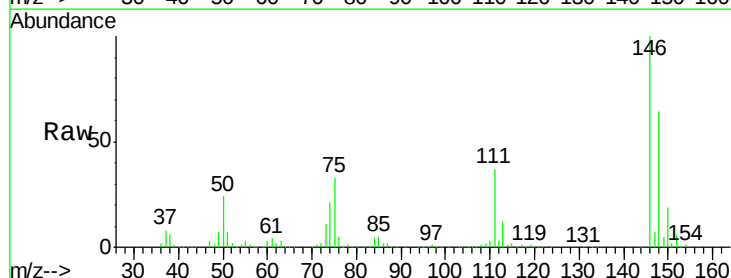


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

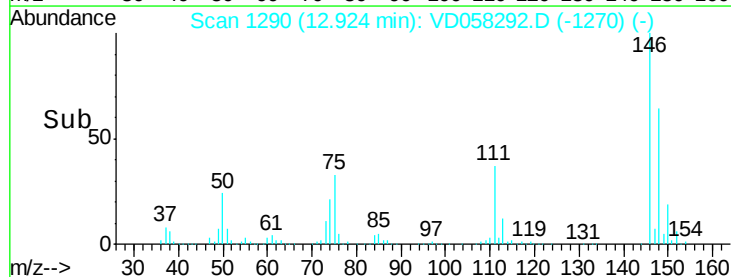
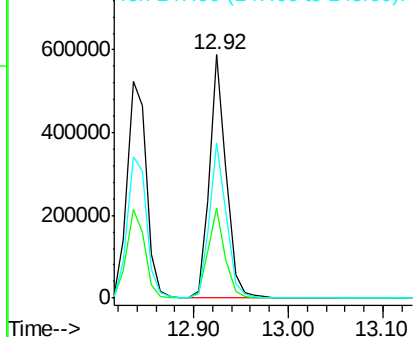


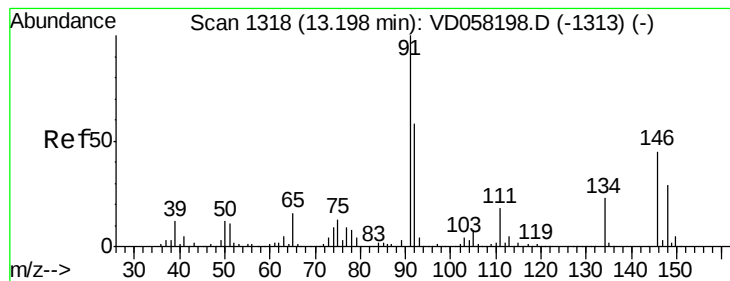
#88
 1,4-Dichlorobenzene
 Concen: 51.27 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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

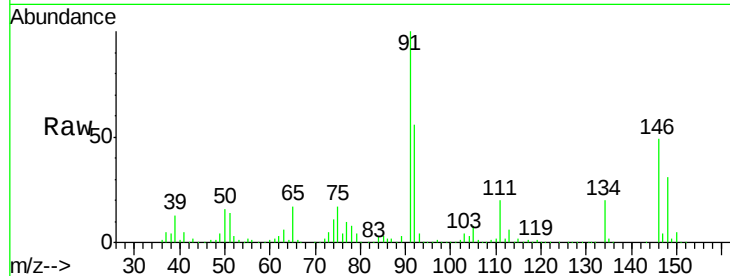
Tot Ion: 91 Resp: 1281241

Ion Ratio Lower Upper

91 100

92 55.8 29.2 87.6

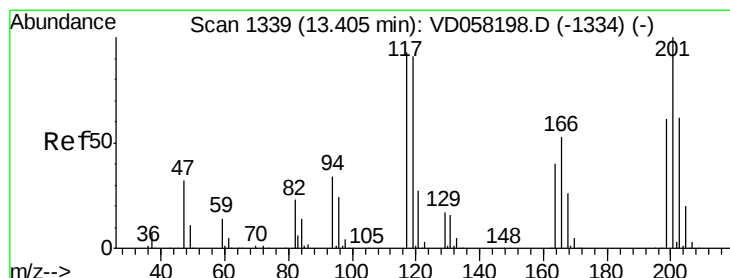
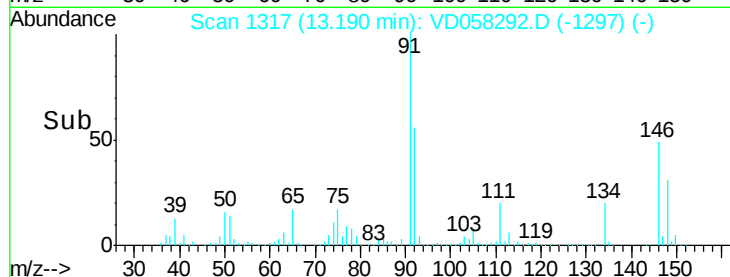
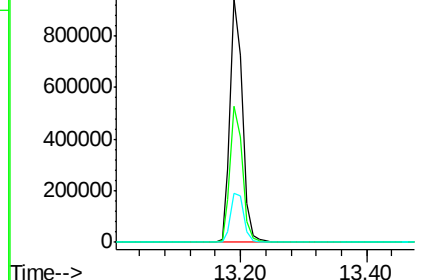
134 20.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 56.21 ug/l

RT: 13.40 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD058292.D

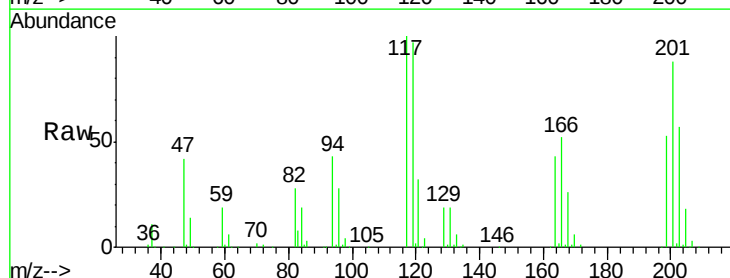
Acq: 22 Jun 2018 12:32

Tgt Ion: 117 Resp: 350028

Ion Ratio Lower Upper

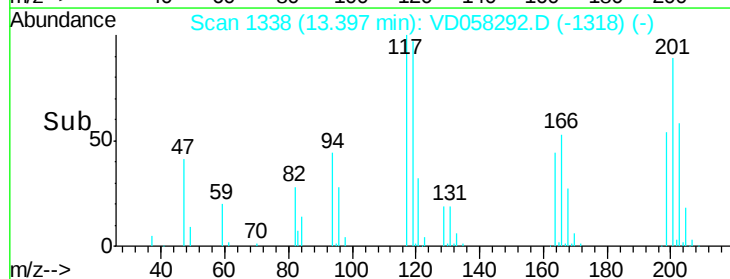
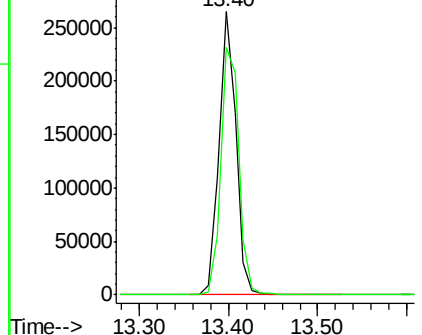
117 100

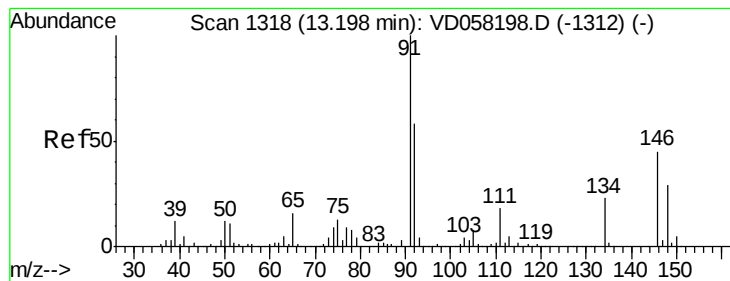
201 87.5 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#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

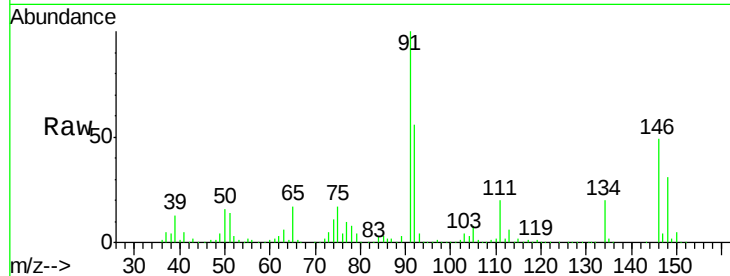
Tot Ion:146 Resp: 606758

Ion Ratio Lower Upper

146 100

111 42.0 19.6 58.7

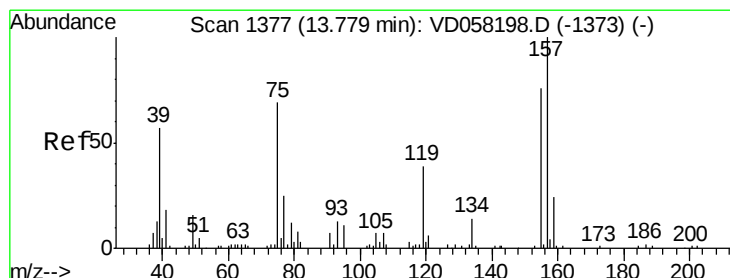
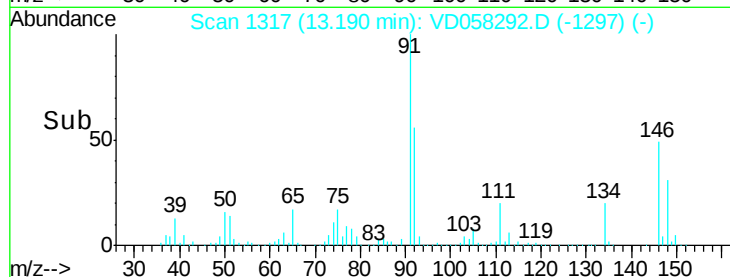
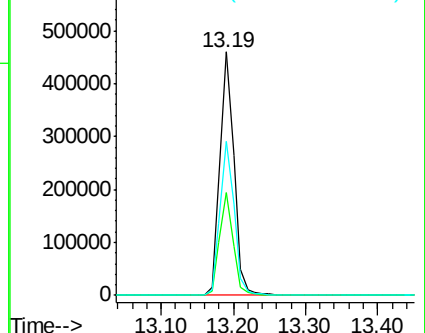
148 63.4 32.0 96.2



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

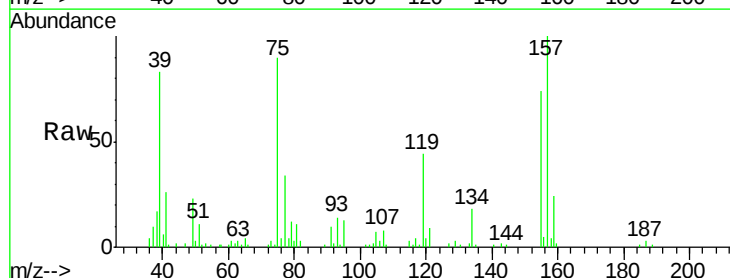
Tgt Ion: 75 Resp: 55655

Ion Ratio Lower Upper

75 100

155 82.0 54.5 163.5

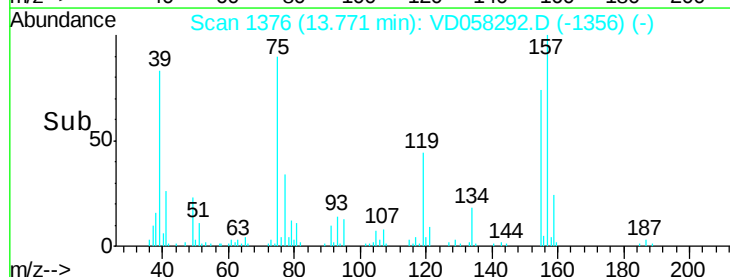
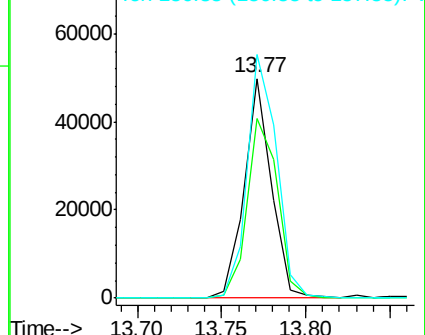
157 111.0 72.0 215.9

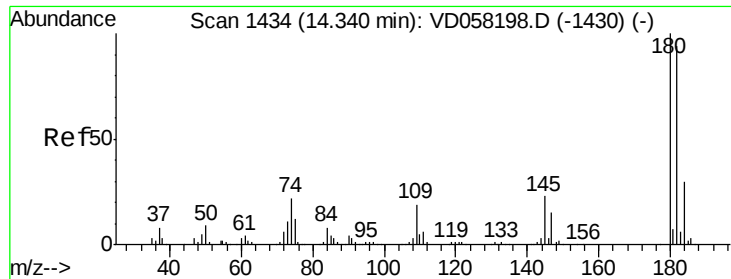


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

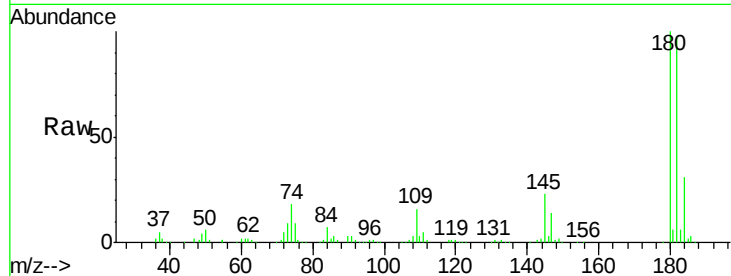




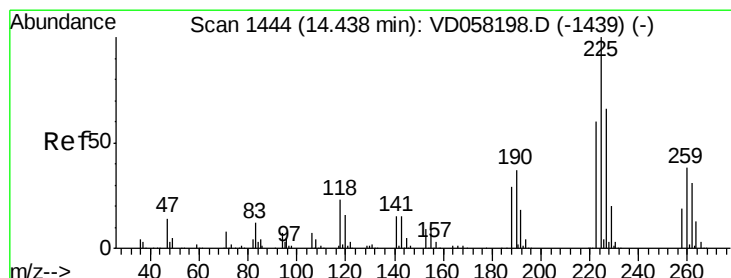
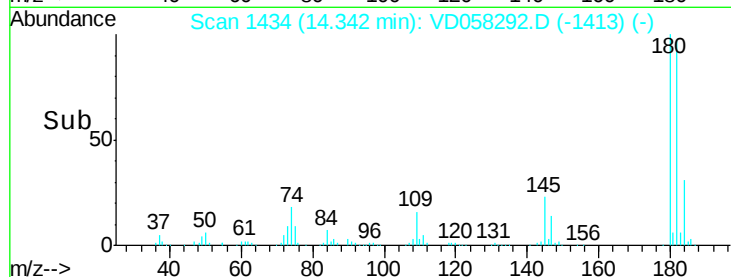
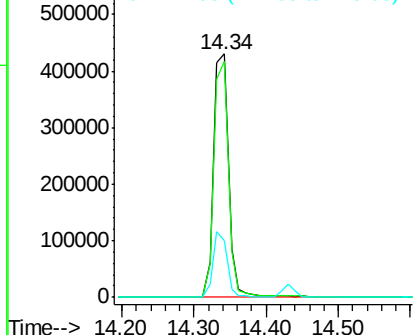
#93
 1,2,4-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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

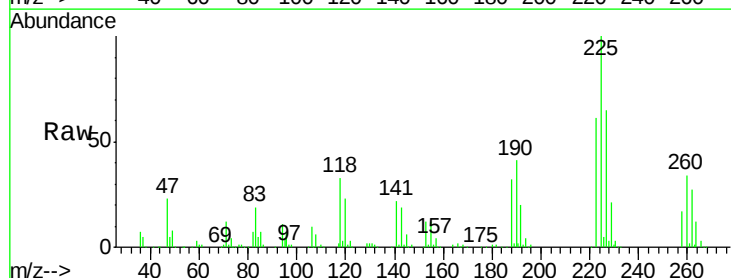


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

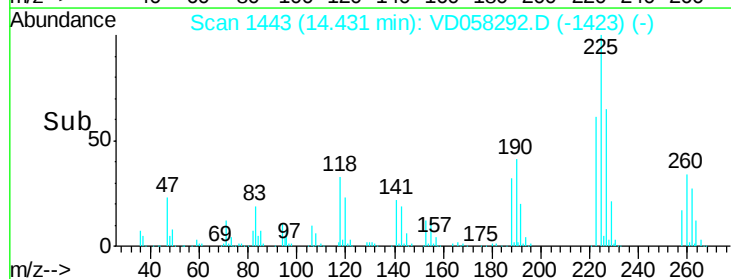
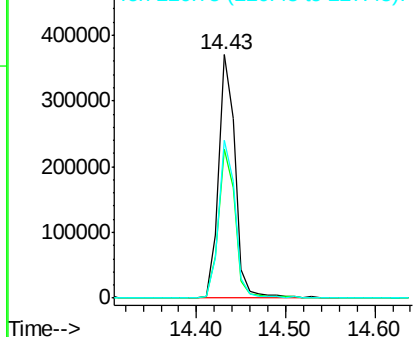


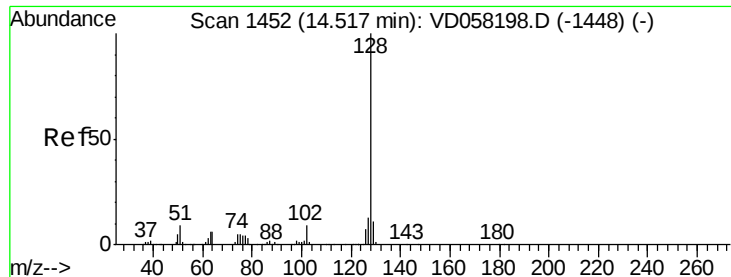
#94
 Hexachlorobutadiene
 Concen: 51.93 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058292.D
 Acq: 22 Jun 2018 12:32

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

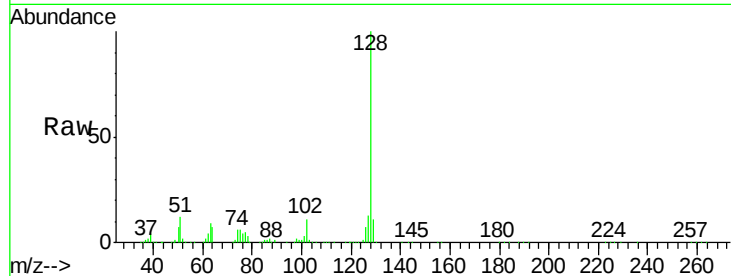




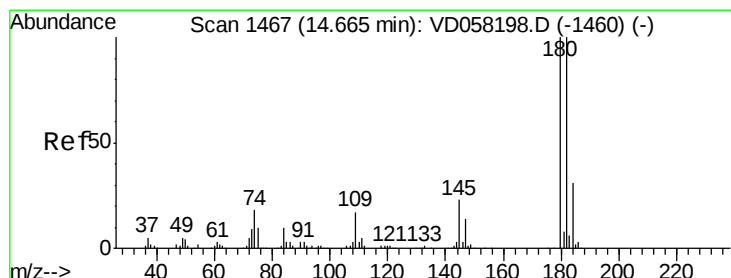
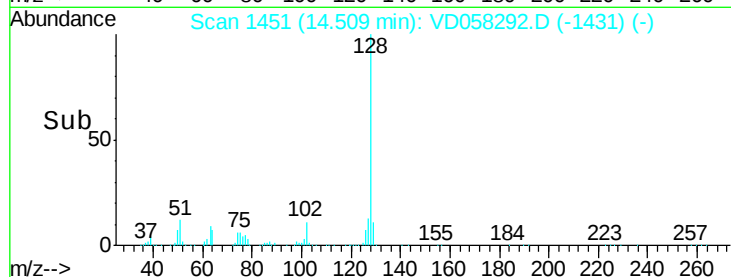
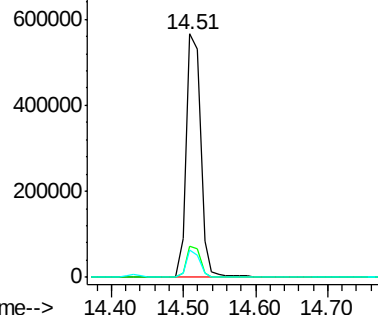
#95
Naphthalene
Concen: 49.68 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058292.D
Acq: 22 Jun 2018 12:32

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

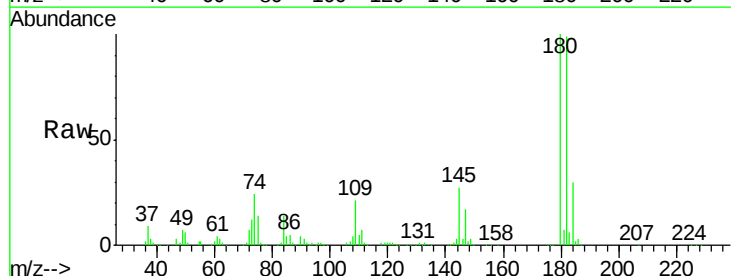


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#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

