

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059396.D
 Acq On : 25 Jun 2018 12:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 26 06:59:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1031950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1296096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1009558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	531058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	413267	39.16	ug/l	0.00
Spiked Amount			Recovery	=	78.32%	
35) Dibromofluoromethane	5.55	113	460650	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	
50) Toluene-d8	8.71	98	1039175	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	
62) 4-Bromofluorobenzene	11.93	95	422220	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	423955	46.18	ug/l	99
3) Chloromethane	1.48	50	208541	43.65	ug/l	92
4) Vinyl Chloride	1.56	62	239722	48.37	ug/l #	89
5) Bromomethane	1.80	94	102208	60.80	ug/l	95
6) Chloroethane	1.89	64	109350	52.21	ug/l	98
7) Trichlorofluoromethane	2.08	101	363247	50.83	ug/l	97
8) Diethyl Ether	2.35	74	73620	45.52	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.56	101	223861	50.40	ug/l	91
10) Methyl Iodide	2.69	142	260481	50.21	ug/l	98
11) Tert butyl alcohol	3.26	59	84486	231.41	ug/l	94
12) 1,1-Dichloroethene	2.55	96	165682	48.73	ug/l	92
13) Acrolein	2.47	56	77888	238.64	ug/l	96
14) Allyl chloride	2.92	41	383027	49.21	ug/l	95
15) Acrylonitrile	3.36	53	308384	275.23	ug/l	97
16) Acetone	2.62	43	370225	277.97	ug/l	99
17) Carbon Disulfide	2.75	76	507803	48.76	ug/l	98
18) Methyl Acetate	2.94	43	125824	44.34	ug/l	98
19) Methyl tert-butyl Ether	3.40	73	787653	47.06	ug/l	96
20) Methylene Chloride	3.07	84	200389	54.47	ug/l	98
21) trans-1,2-Dichloroethene	3.38	96	358722	59.67	ug/l	98
22) Diisopropyl ether	4.07	45	1292311	44.13	ug/l	99
23) Vinyl Acetate	4.02	43	3637654	238.42	ug/l	100
24) 1,1-Dichloroethane	3.97	63	763529	45.57	ug/l	98
25) 2-Butanone	4.84	43	609297	218.38	ug/l	97
26) 2,2-Dichloropropane	4.80	77	688293	52.97	ug/l	100
27) cis-1,2-Dichloroethene	4.80	96	429842	42.55	ug/l	96
28) Bromochloromethane	5.15	49	327483	45.08	ug/l	98
29) Tetrahydrofuran	5.18	42	307078	201.21	ug/l	99
30) Chloroform	5.32	83	805668	44.11	ug/l	94
31) Cyclohexane	5.59	56	553571	50.07	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	739611	50.01	ug/l	99
36) 1,1-Dichloropropene	5.75	75	537450	45.71	ug/l	98
37) Ethyl Acetate	4.93	43	289915	40.49	ug/l	99
38) Carbon Tetrachloride	5.73	117	598924	49.41	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	540060	48.43	ug/l	97
40) Benzene	6.01	78	1260354	44.67	ug/l	99
41) Methacrylonitrile	5.13	41	155925	45.21	ug/l	97
42) 1,2-Dichloroethane	6.13	62	571859	45.87	ug/l	96
43) Isopropyl Acetate	7.62	43	395691	44.01	ug/l	98
44) Trichloroethene	6.98	130	429899	46.53	ug/l	93
45) 1,2-Dichloropropane	7.35	63	356816	45.66	ug/l	95
46) Dibromomethane	7.46	93	253354	45.08	ug/l	95
47) Bromodichloromethane	7.74	83	610274	48.53	ug/l #	97
48) Methyl methacrylate	7.50	41	247589	45.19	ug/l	98
49) 1,4-Dioxane	7.48	88	47842	870.78	ug/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	1277392	213.19	ug/l	96
52) Toluene	8.80	92	738320	43.81	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	513910	48.91	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	591435	48.61	ug/l	95
55) 1,1,2-Trichloroethane	9.46	97	267547	43.73	ug/l	97
56) Ethyl methacrylate	9.31	69	307976	44.12	ug/l	99
57) 1,3-Dichloropropane	9.66	76	425543	42.53	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	767400	213.53	ug/l	100
59) 2-Hexanone	9.78	43	979624	230.03	ug/l	96
60) Dibromochloromethane	9.96	129	410832	47.95	ug/l	97
61) 1,2-Dibromoethane	10.10	107	305986	44.91	ug/l	98
64) Tetrachloroethene	9.52	164	387382	43.74	ug/l	97
65) Chlorobenzene	10.73	112	887605	48.08	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	346832	48.95	ug/l	95
67) Ethyl Benzene	10.85	91	1503918	48.28	ug/l	100
68) m/p-Xylenes	11.01	106	1010735	97.80	ug/l	95
69) o-Xylene	11.41	106	489763	47.93	ug/l	97
70) Styrene	11.44	104	826758	47.20	ug/l	98
71) Bromoform	11.60	173	287261	48.94	ug/l	96
73) Isopropylbenzene	11.77	105	1437227	47.96	ug/l	99
74) N-amyl acetate	11.64	43	522834	45.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	318771	45.34	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	338850	46.26	ug/l	97
77) Bromobenzene	12.04	156	437094	46.34	ug/l	98
78) n-propylbenzene	12.15	91	1787693	47.10	ug/l	100
79) 2-Chlorotoluene	12.21	91	1061064	47.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.32	105	1034690	43.37	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	88886	53.39	ug/l	93
82) 4-Chlorotoluene	12.32	91	1105216	43.73	ug/l	99
83) tert-Butylbenzene	12.58	119	1369181	53.95	ug/l	98
84) 1,2,4-Trimethylbenzene	12.63	105	1233457	48.85	ug/l	97
85) sec-Butylbenzene	12.75	105	1564276	50.23	ug/l	97
86) p-Isopropyltoluene	12.88	119	1255181	50.01	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	740356	47.71	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	747752	48.83	ug/l	99
89) n-Butylbenzene	13.20	91	1228031	49.57	ug/l	98
90) Hexachloroethane	13.40	117	334985	53.49	ug/l	60
91) 1,2-Dichlorobenzene	13.19	146	586136	44.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	56853	49.04	ug/l	96

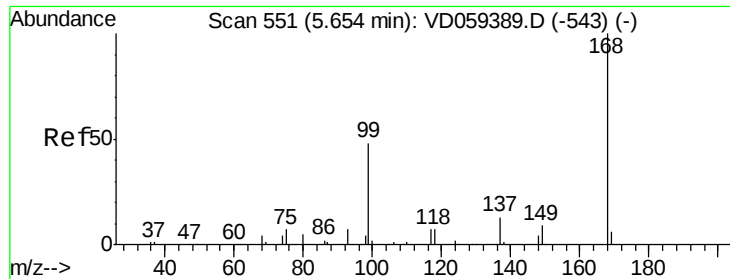
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	604202	49.67	ug/l	98
94) Hexachlorobutadiene	14.44	225	481864	52.64	ug/l	97
95) Naphthalene	14.52	128	804463	47.45	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	534205	48.84	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

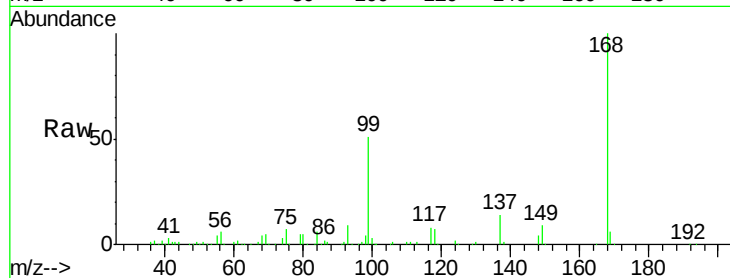
VSTDCCC050

Tot Ion:168 Resp: 1031950

Ion Ratio Lower Upper

168 100

99 50.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

300000

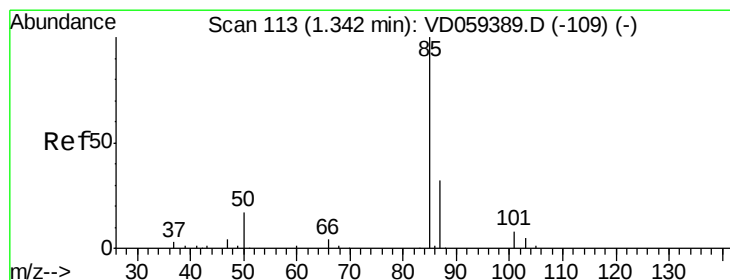
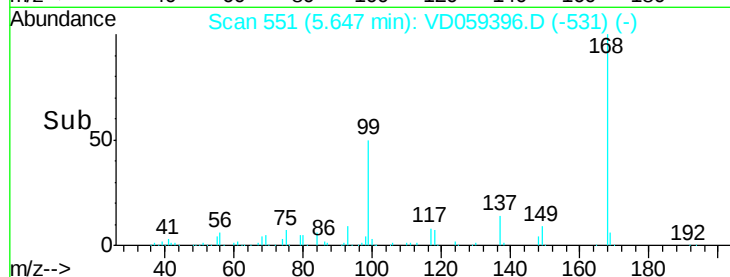
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 46.18 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059396.D

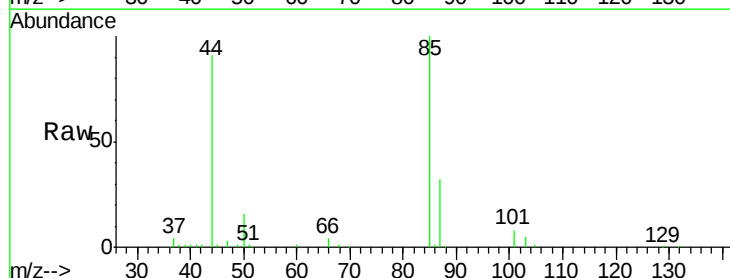
Acq: 25 Jun 2018 12:50

Tgt Ion: 85 Resp: 423955

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.35

150000

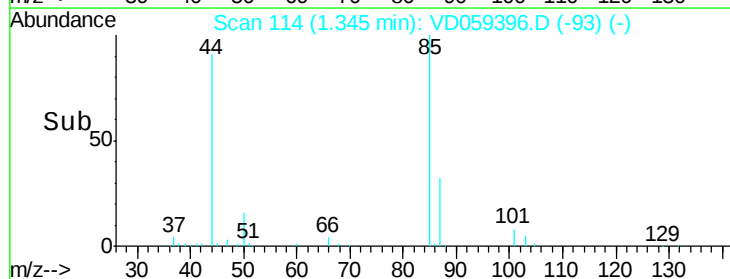
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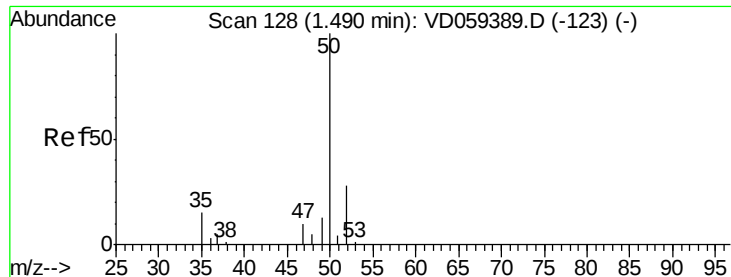
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 43.65 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

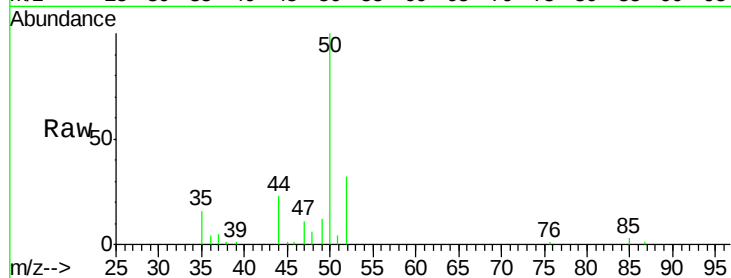
VSTDCCC050

Tot Ion: 50 Resp: 208541

Ion Ratio Lower Upper

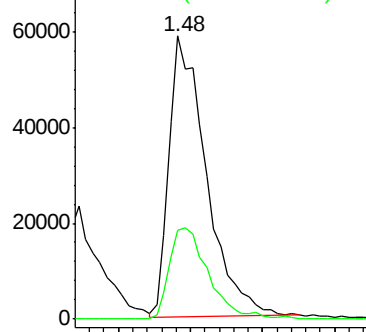
50 100

52 31.6 21.8 32.8

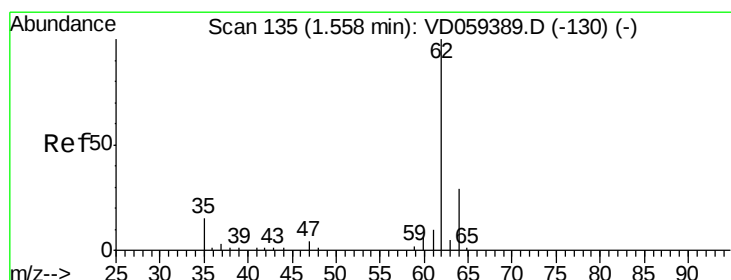
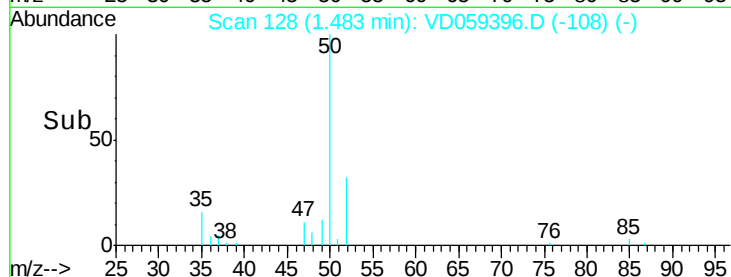


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 48.37 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059396.D

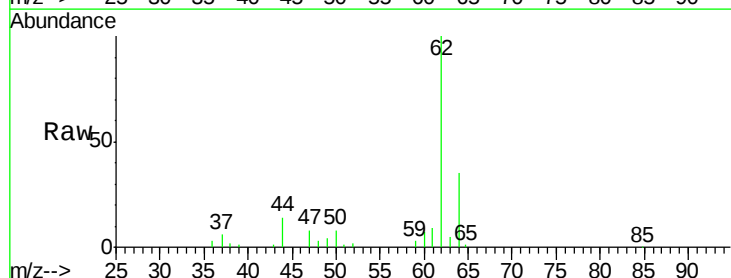
Acq: 25 Jun 2018 12:50

Tgt Ion: 62 Resp: 239722

Ion Ratio Lower Upper

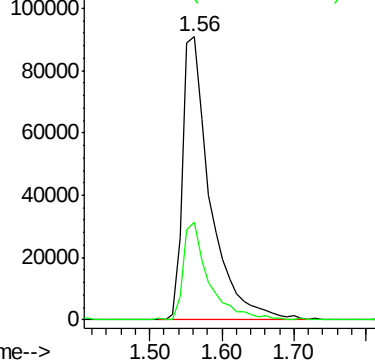
62 100

64 34.6 23.0 34.6#

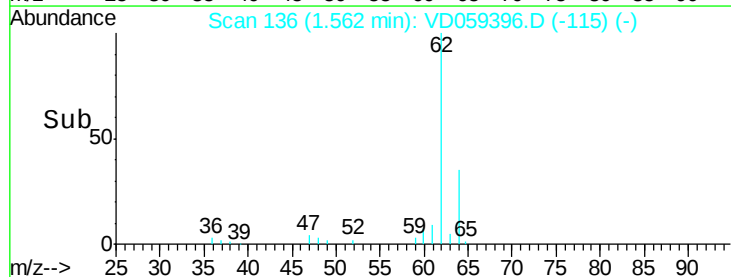


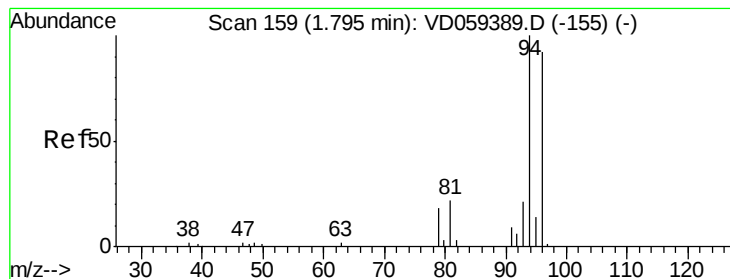
Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



Time-->





#5

Bromomethane

Concen: 60.80 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

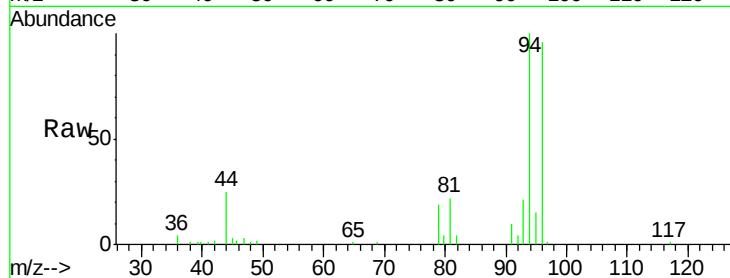
VSTDCCC050

Tot Ion: 94 Resp: 102208

Ion Ratio Lower Upper

94 100

96 96.1 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.80

40000

30000

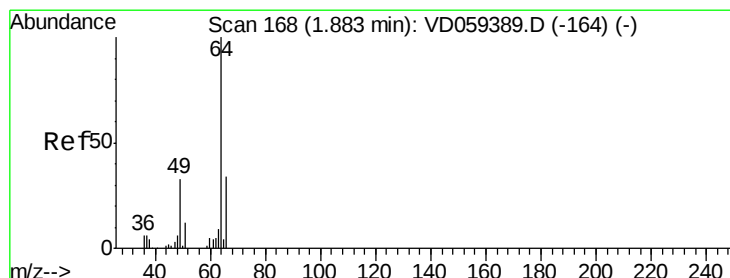
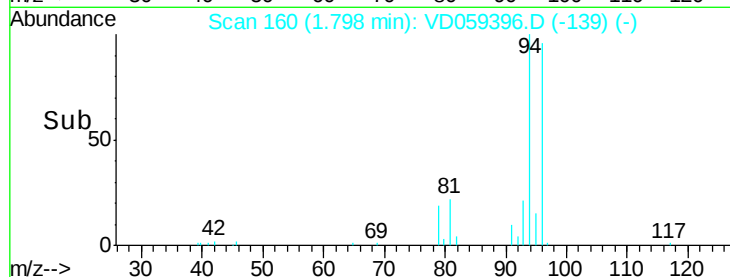
20000

10000

0

Time-->

1.70 1.80 1.90 2.00



#6

Chloroethane

Concen: 52.21 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD059396.D

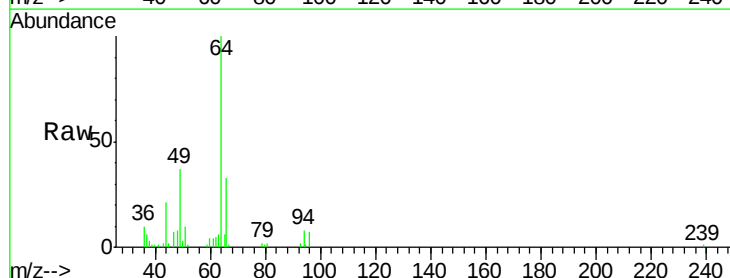
Acq: 25 Jun 2018 12:50

Tgt Ion: 64 Resp: 109350

Ion Ratio Lower Upper

64 100

66 32.6 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.89

50000

40000

30000

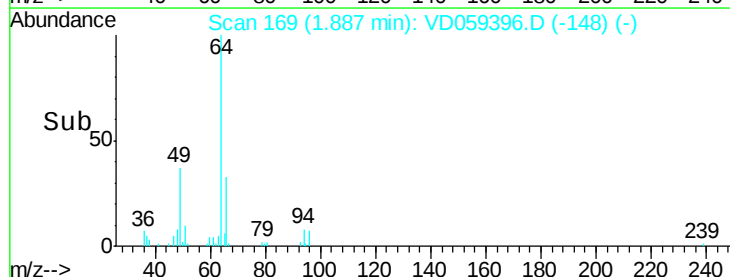
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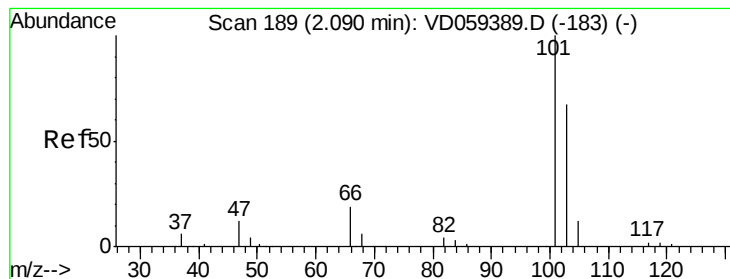
10000

0

Time-->

1.80 1.90 2.00 2.10



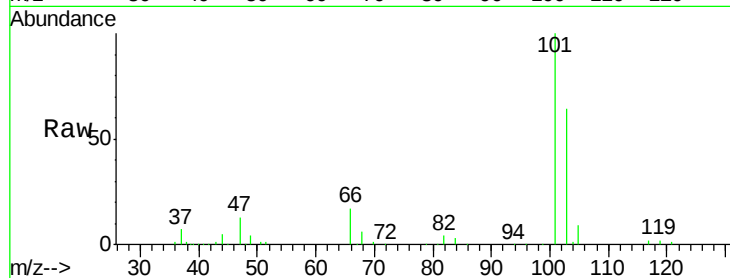


#7

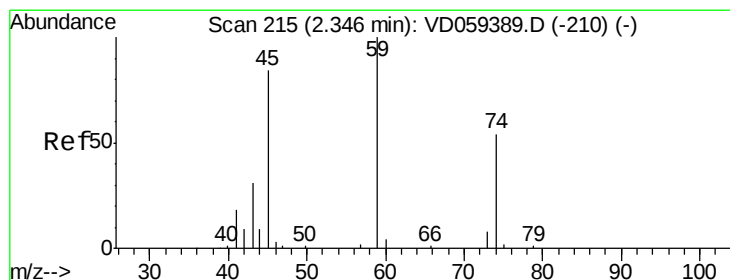
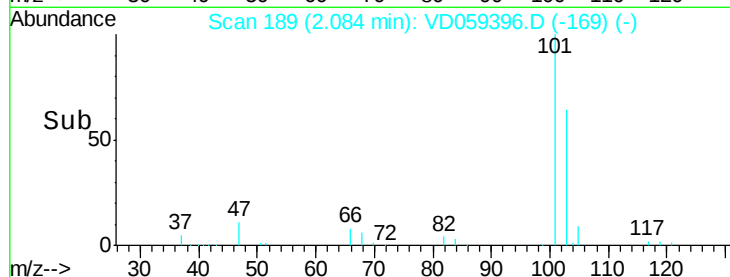
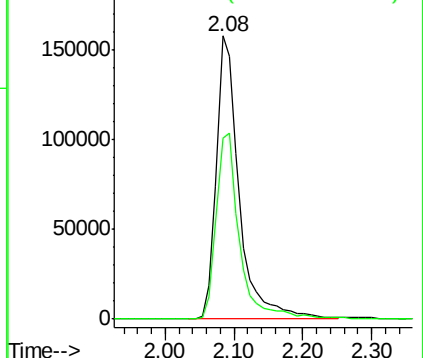
Trichlorofluoromethane
 Concen: 50.83 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 363247
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.4 80.0



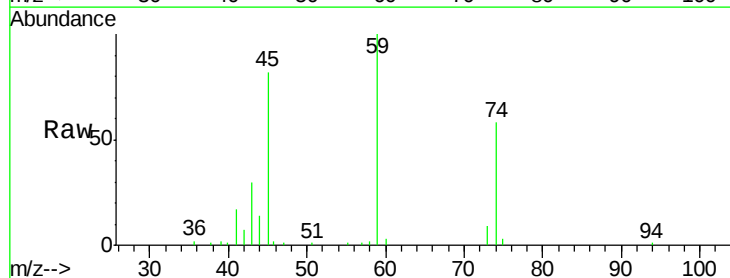
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



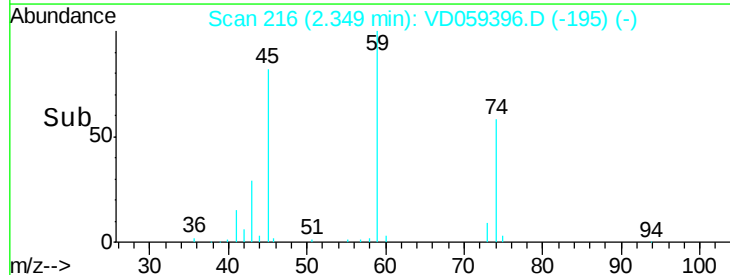
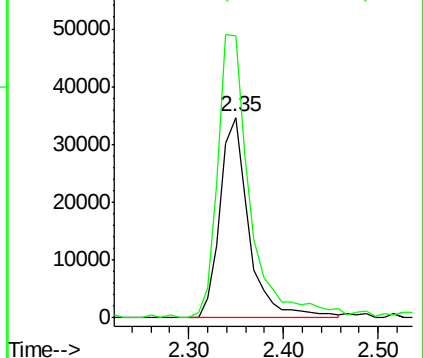
#8

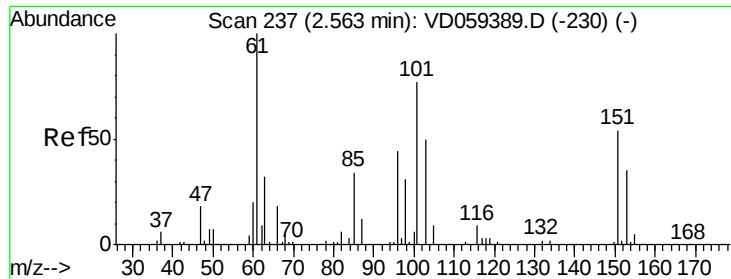
Diethyl Ether
 Concen: 45.52 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.00 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 74 Resp: 73620
 Ion Ratio Lower Upper
 74 100
 45 140.7 78.0 233.8



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: 50.40 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

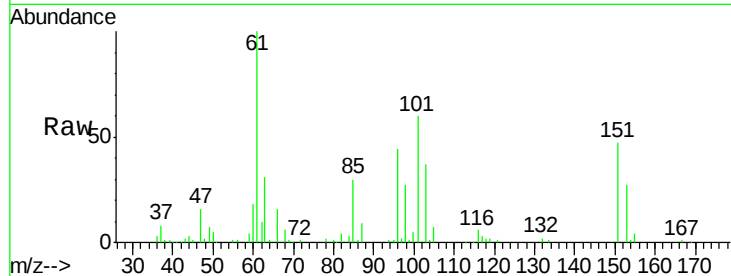
Tot Ion:101 Resp: 223861

Ion Ratio Lower Upper

101 100

85 49.6 35.7 53.5

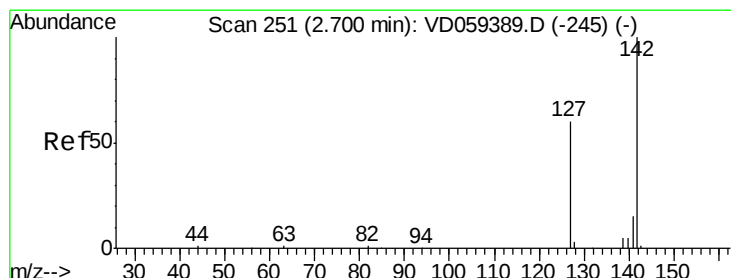
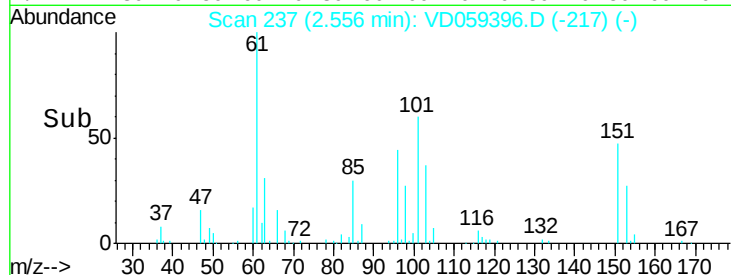
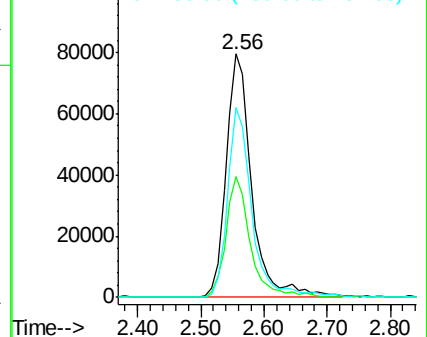
151 78.1 55.8 83.8



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: 50.21 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

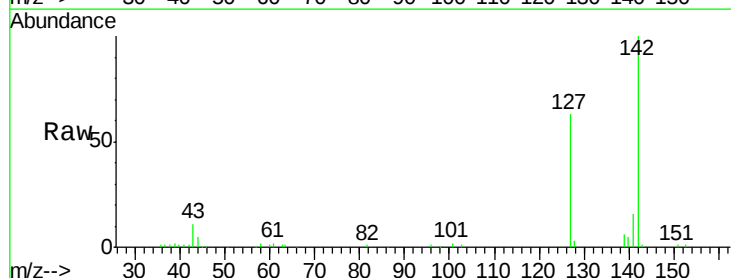
Tgt Ion:142 Resp: 260481

Ion Ratio Lower Upper

142 100

127 62.5 48.4 72.6

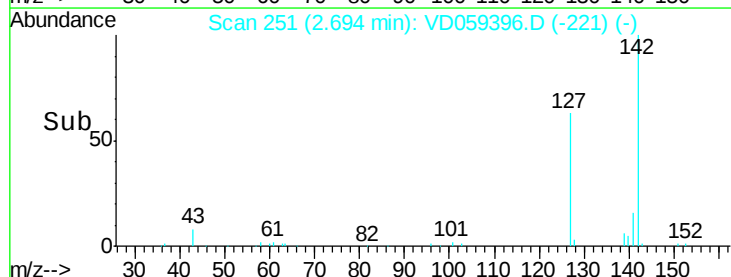
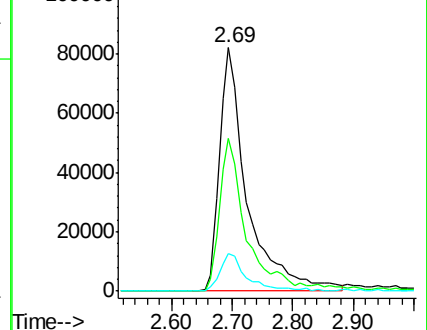
141 15.6 12.1 18.1

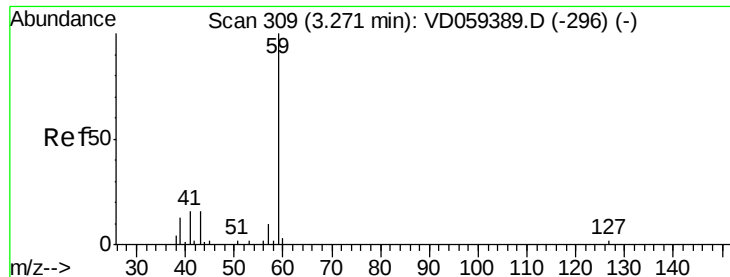


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



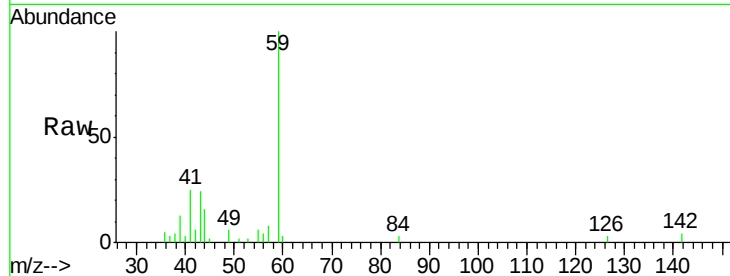


#11

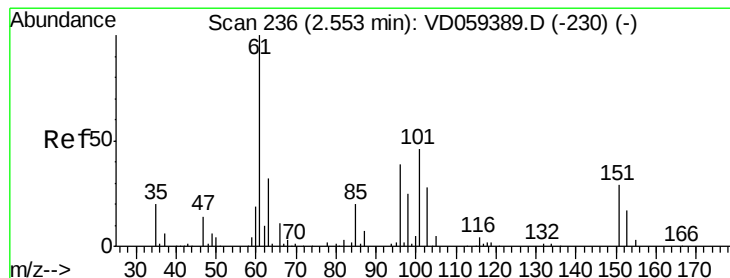
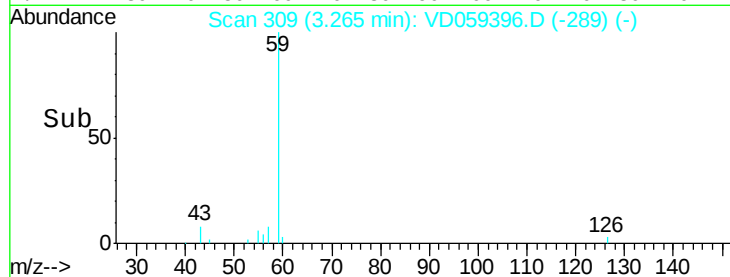
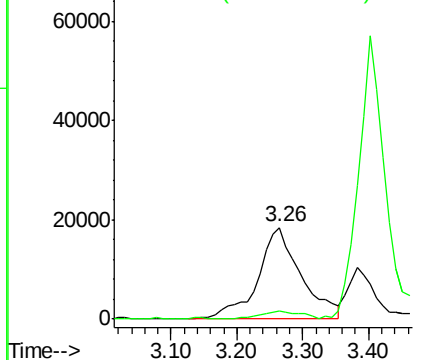
Tert butyl alcohol
 Concen: 231.41 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 84486
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.3 12.5



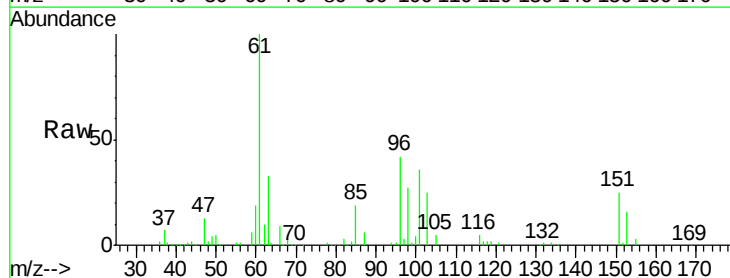
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



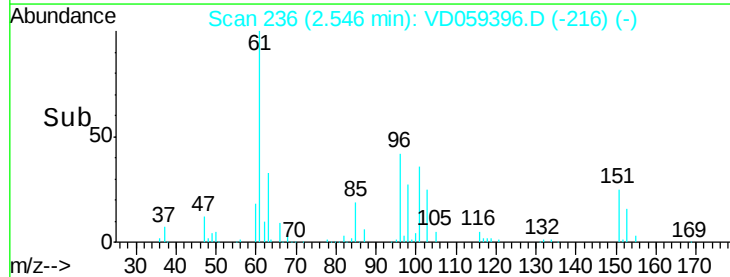
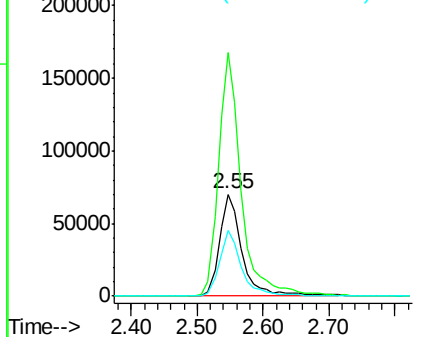
#12

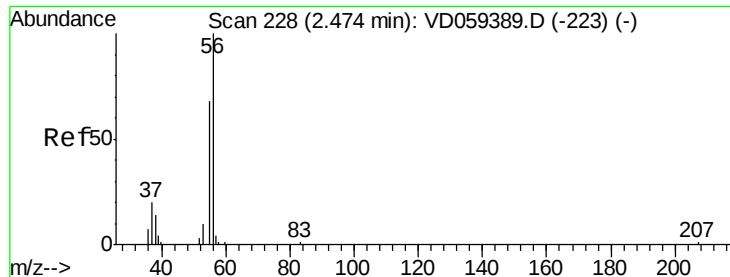
1,1-Dichloroethene
 Concen: 48.73 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 96 Resp: 165682
 Ion Ratio Lower Upper
 96 100
 61 239.0 205.4 308.0
 98 63.9 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 238.64 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

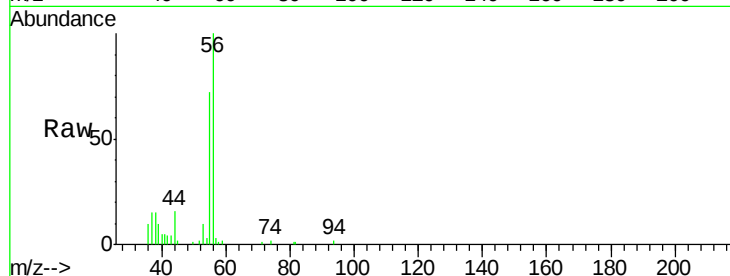
VSTDCCC050

Tot Ion: 56 Resp: 77888

Ion Ratio Lower Upper

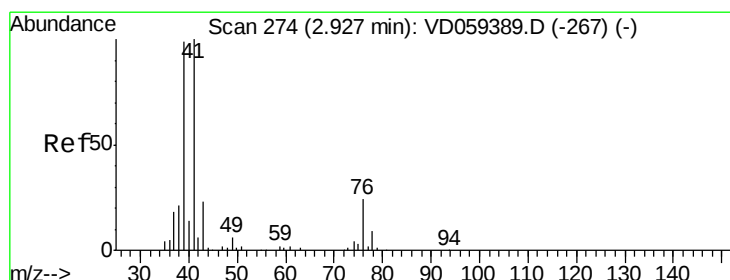
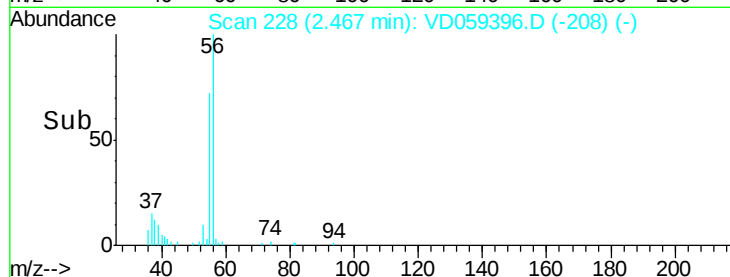
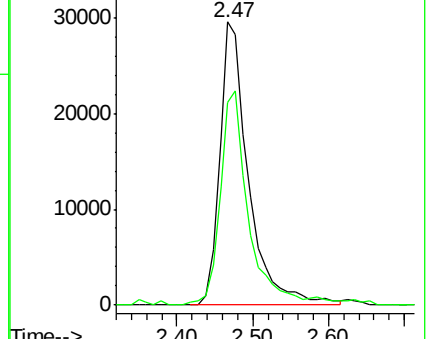
56 100

55 71.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.21 ug/l

RT: 2.92 min Scan# 274

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

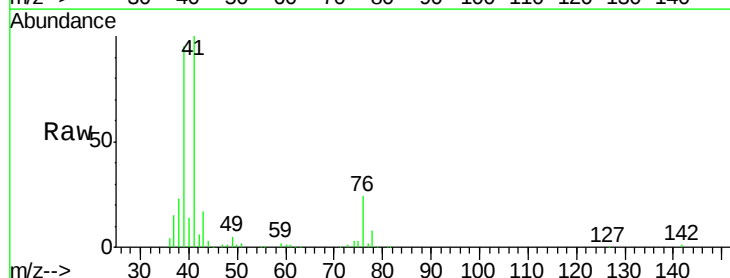
Tgt Ion: 41 Resp: 383027

Ion Ratio Lower Upper

41 100

39 94.6 79.1 118.7

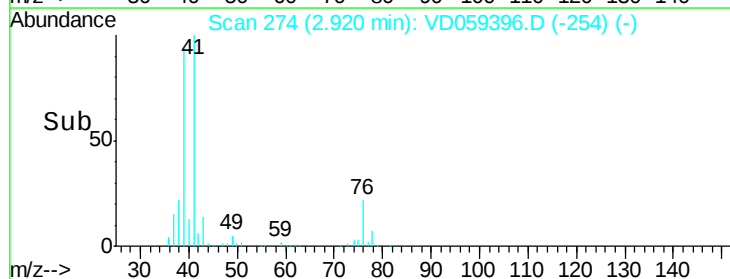
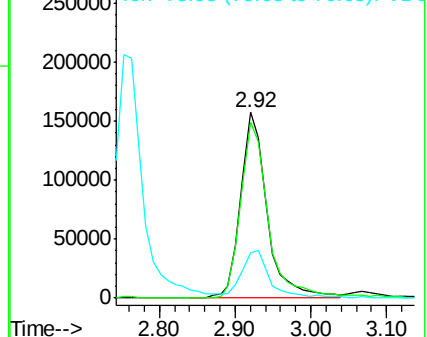
76 24.0 21.9 32.9

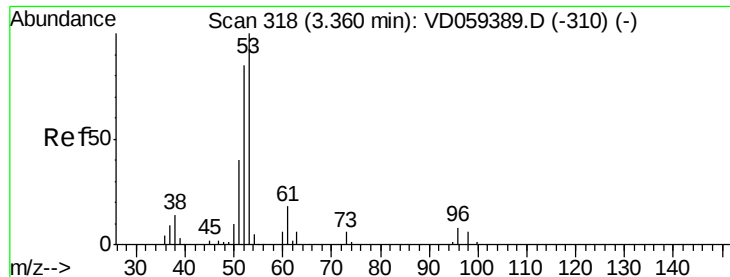


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 275.23 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

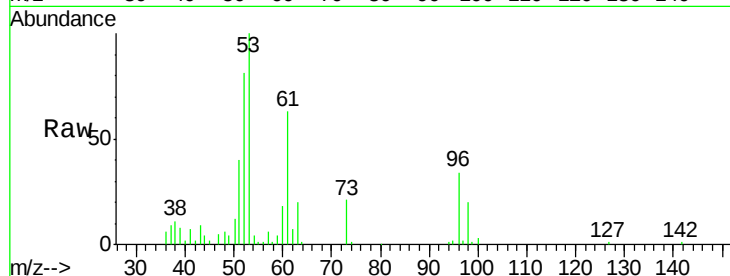
Tot Ion: 53 Resp: 308384

Ion Ratio Lower Upper

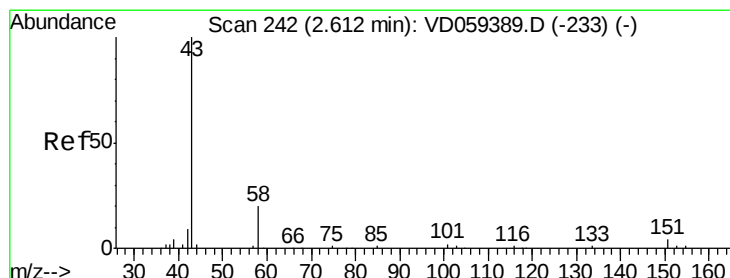
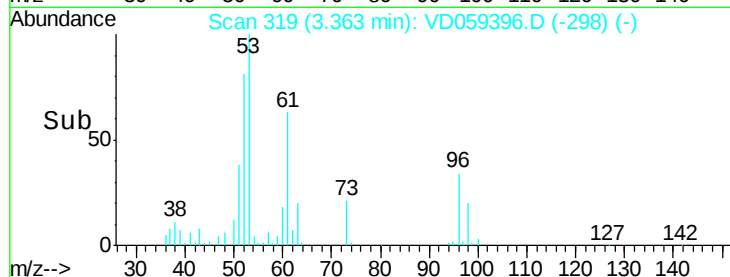
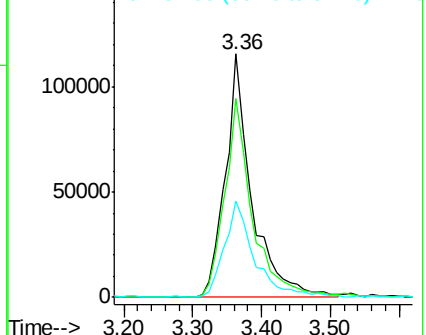
53 100

52 81.4 67.9 101.9

51 39.7 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: 277.97 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD059396.D

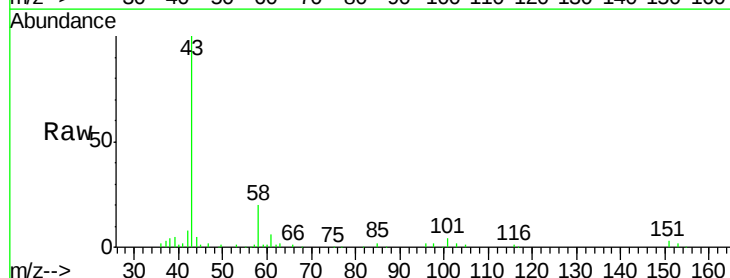
Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 370225

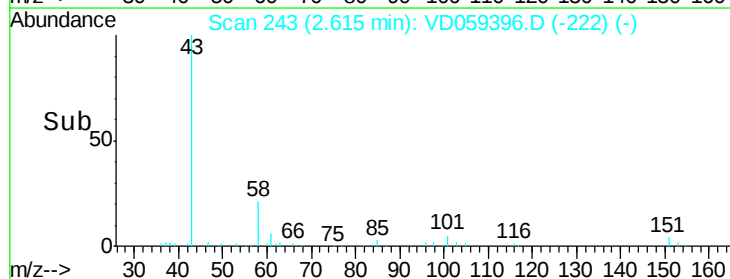
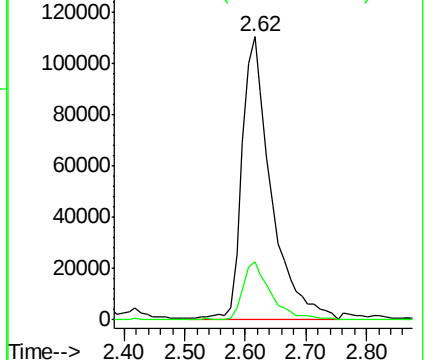
Ion Ratio Lower Upper

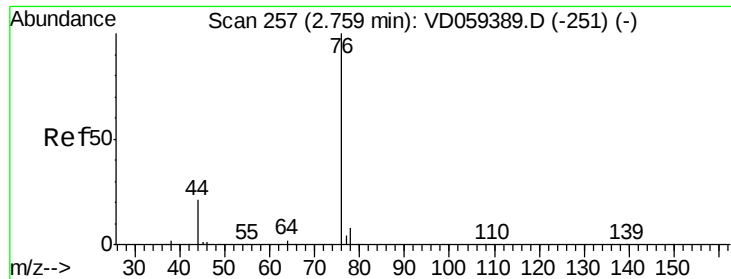
43 100

58 20.3 16.8 25.2



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

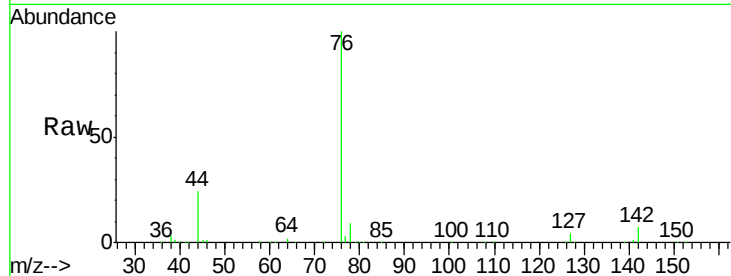




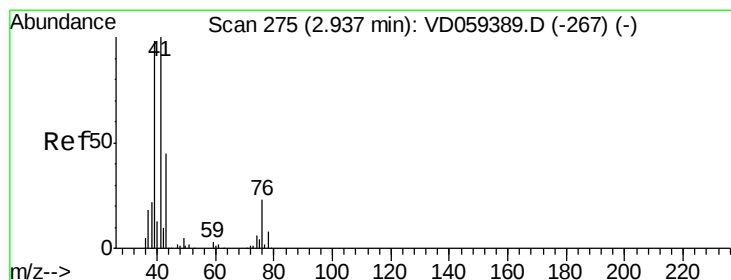
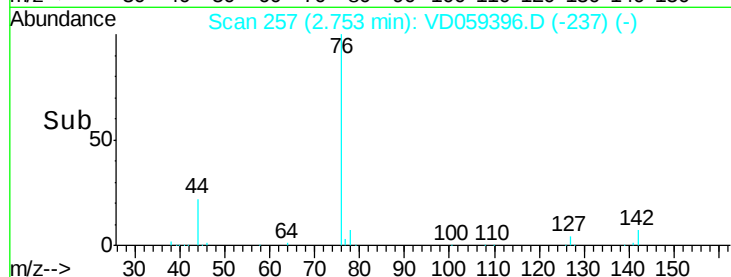
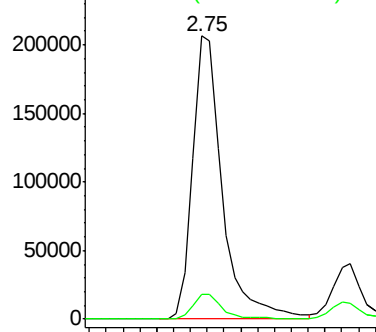
#17
Carbon Disulfide
Concen: 48.76 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 507803
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8

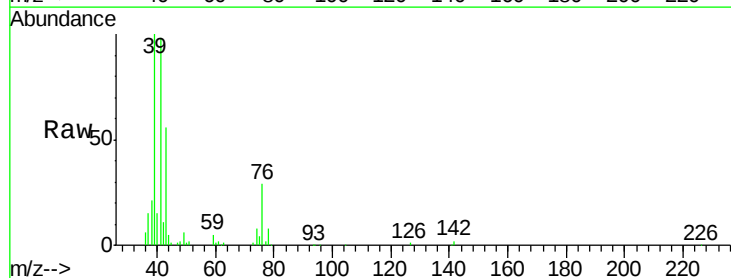


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

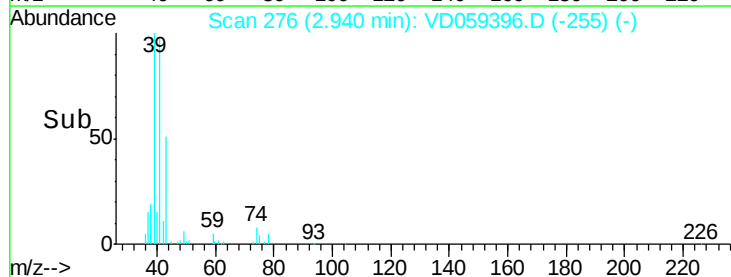
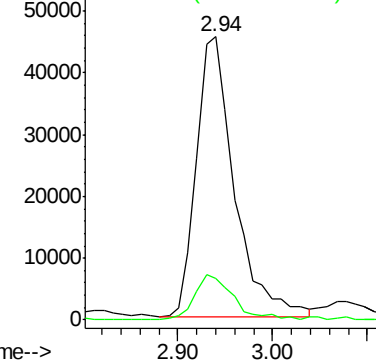


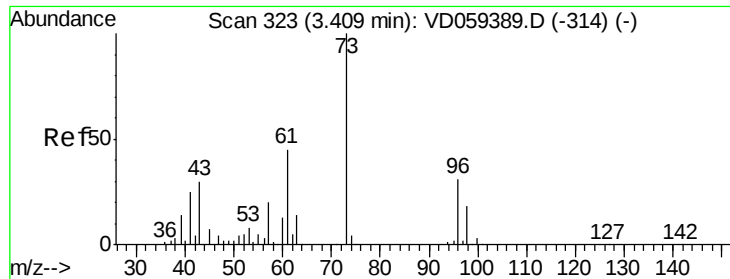
#18
Methyl Acetate
Concen: 44.34 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 125824
Ion Ratio Lower Upper
43 100
74 14.7 11.0 16.4



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

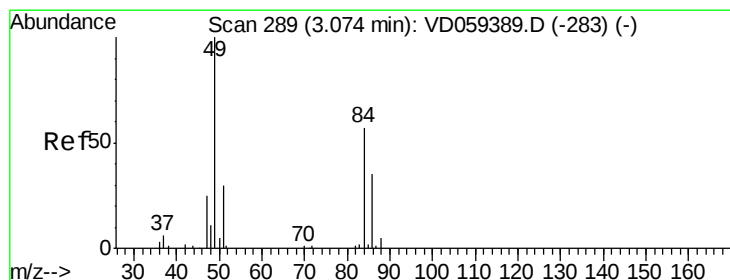
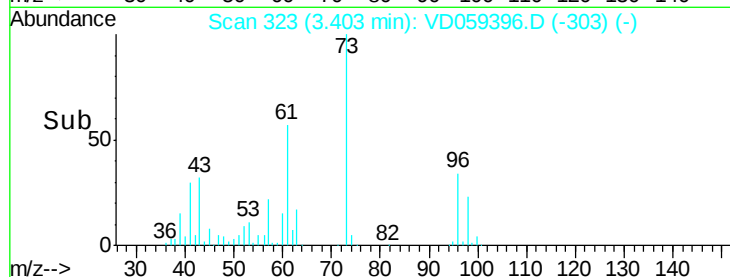
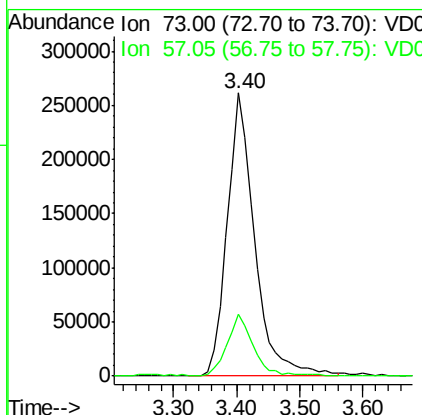
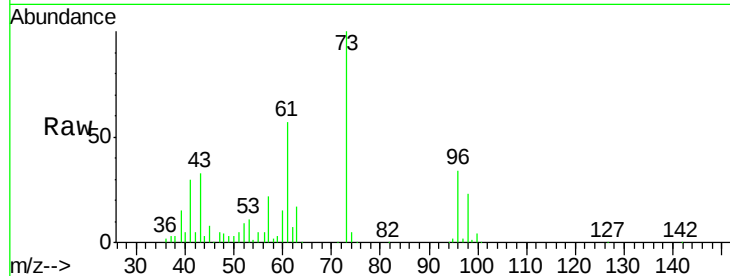




#19
Methvl tert-butvl Ether
Concen: 47.06 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

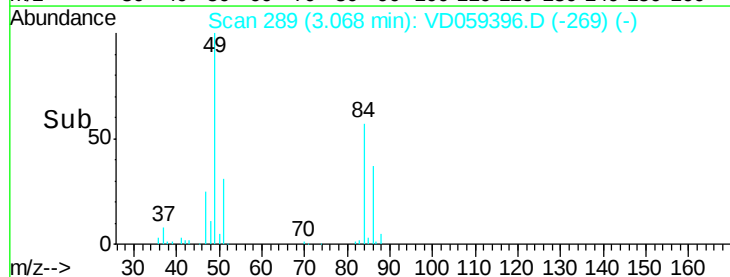
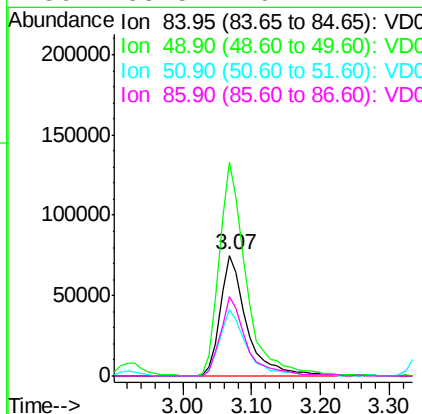
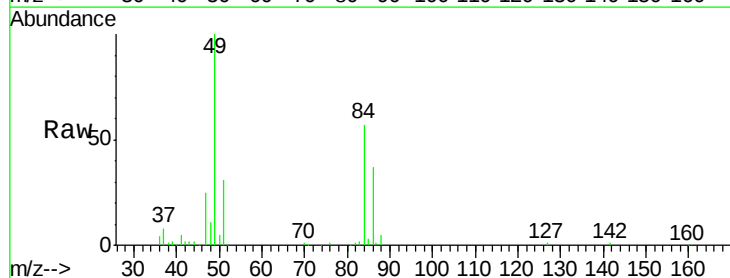
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

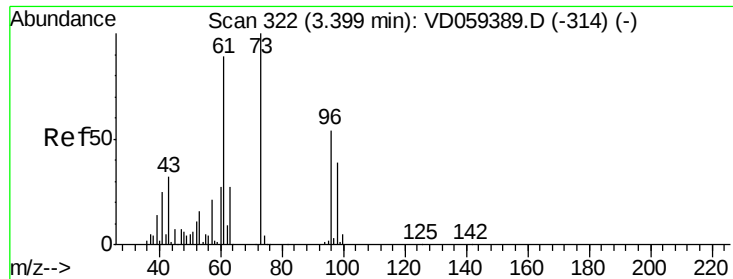
Tot Ion: 73 Resp: 787653
Ion Ratio Lower Upper
73 100
57 21.8 16.1 24.1



#20
Methylene Chloride
Concen: 54.47 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 84 Resp: 200389
Ion Ratio Lower Upper
84 100
49 176.6 140.3 210.5
51 54.9 41.6 62.4
86 65.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 59.67 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

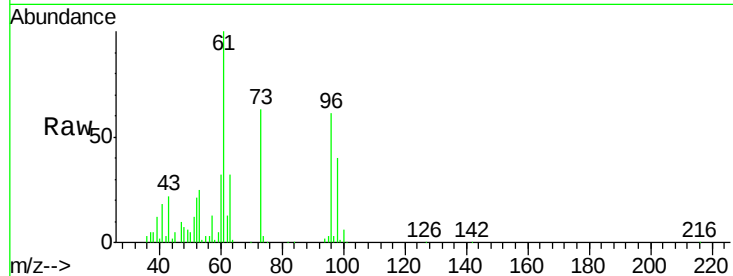
Tot Ion: 96 Resp: 358722

Ion Ratio Lower Upper

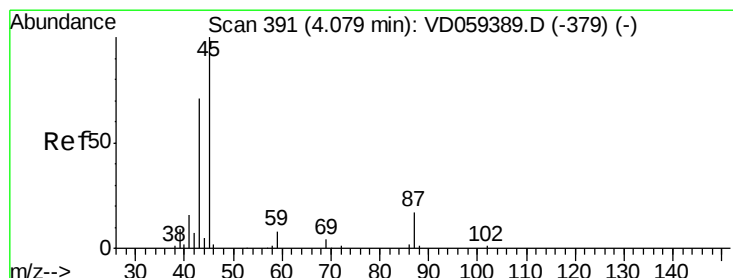
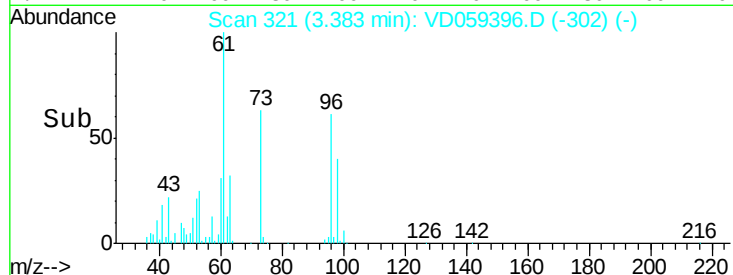
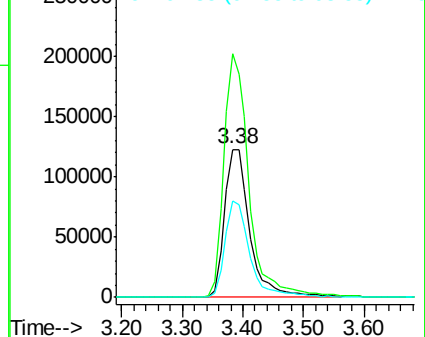
96 100

61 164.5 131.0 196.4

98 65.4 56.8 85.2



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



#22

Diisopropyl ether

Concen: 44.13 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Tgt Ion: 45 Resp: 1292311

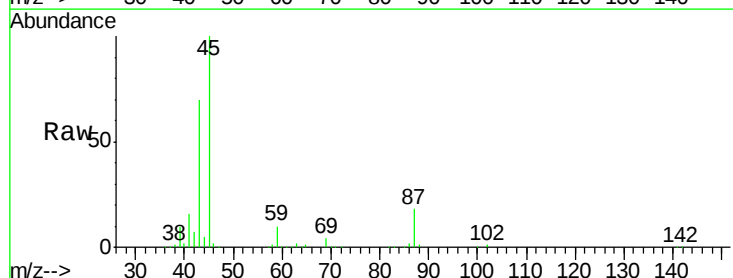
Ion Ratio Lower Upper

45 100

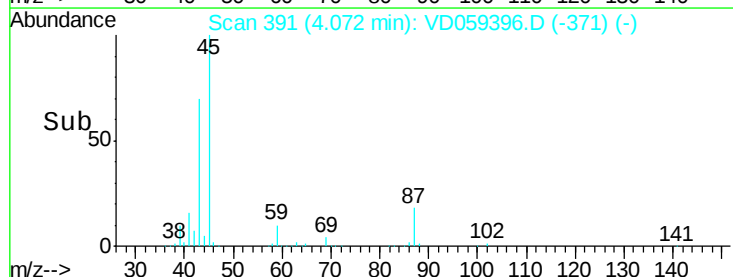
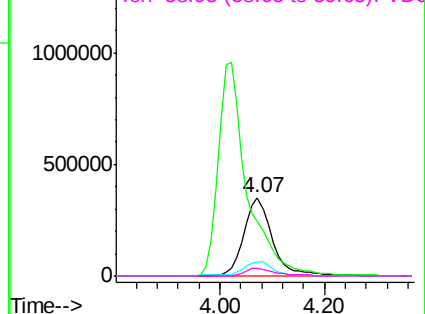
43 70.3 56.9 85.3

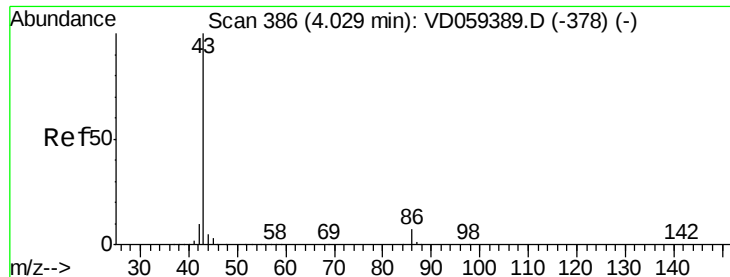
87 17.9 14.2 21.4

59 9.9 7.0 10.4



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: 238.42 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

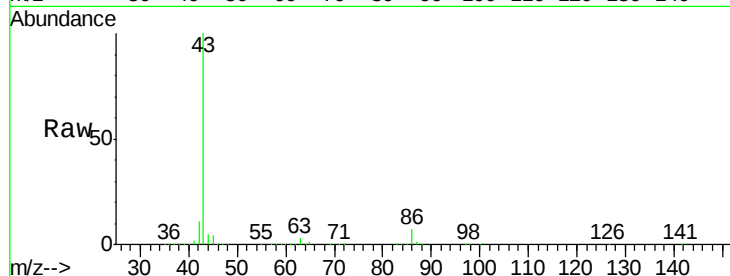
VSTDCCC050

Tot Ion: 43 Resp: 3637654

Ion Ratio Lower Upper

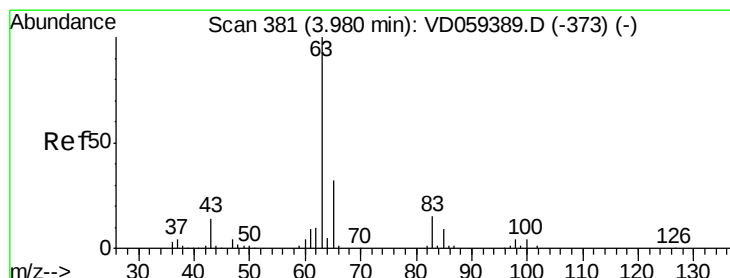
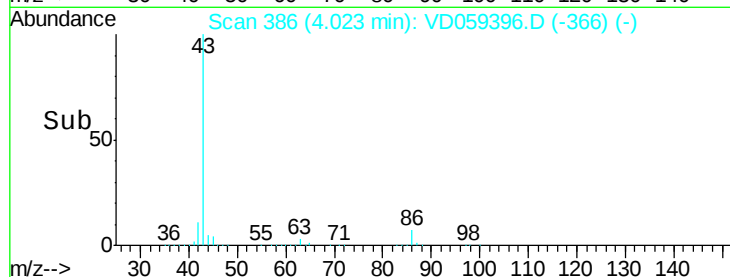
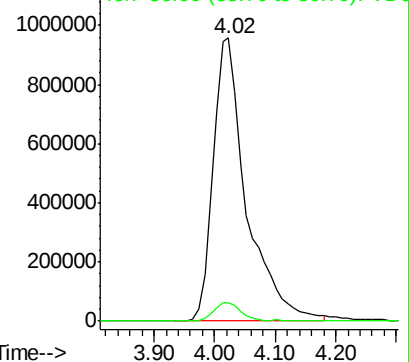
43 100

86 6.6 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.57 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

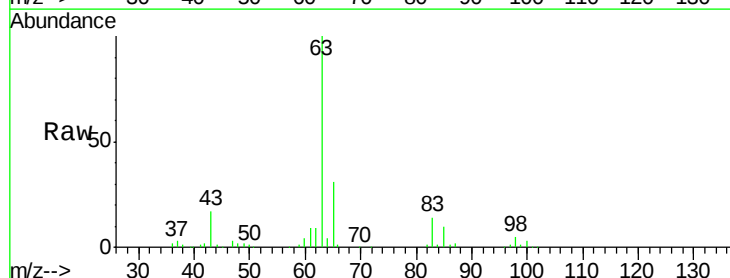
Tgt Ion: 63 Resp: 763529

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

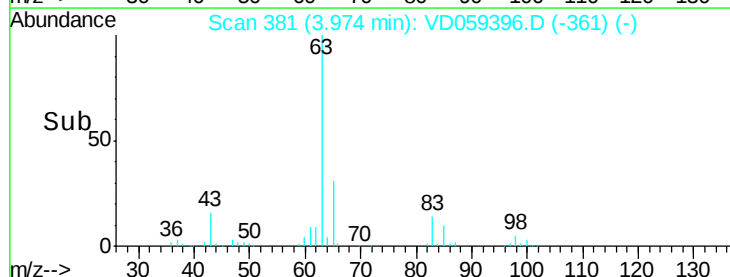
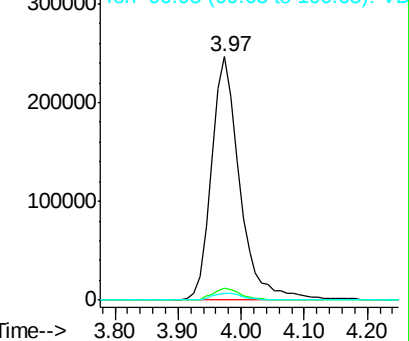
100 2.7 1.8 5.5

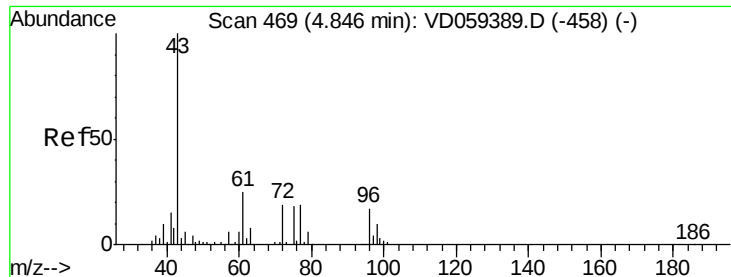


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 218.38 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

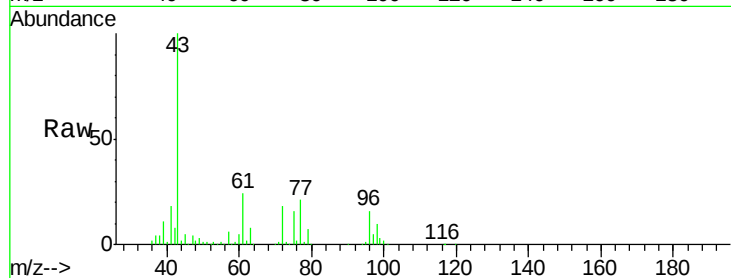
VSTDCCC050

Tot Ion: 43 Resp: 609297

Ion Ratio Lower Upper

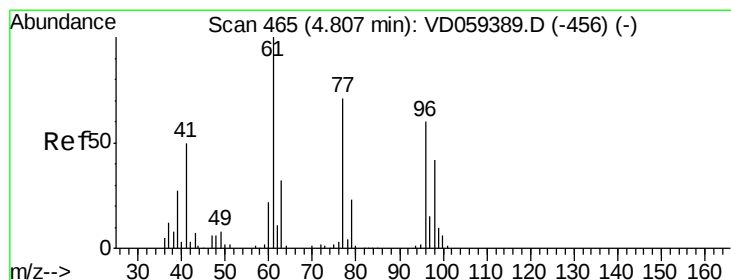
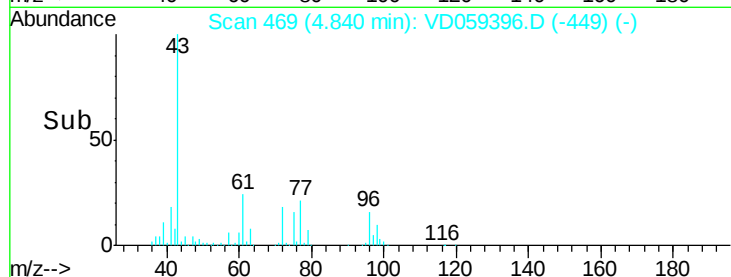
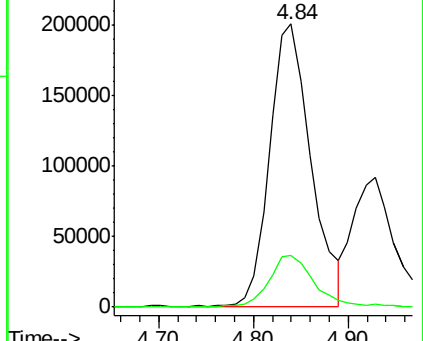
43 100

72 18.1 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.97 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059396.D

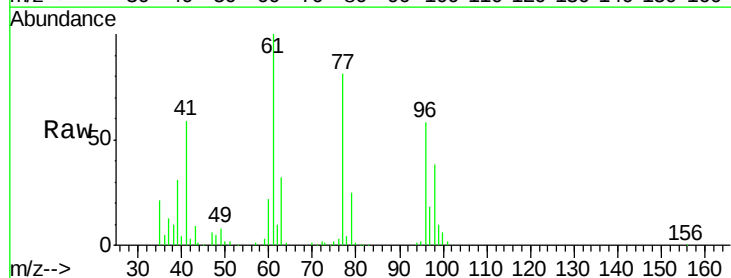
Acq: 25 Jun 2018 12:50

Tgt Ion: 77 Resp: 688293

Ion Ratio Lower Upper

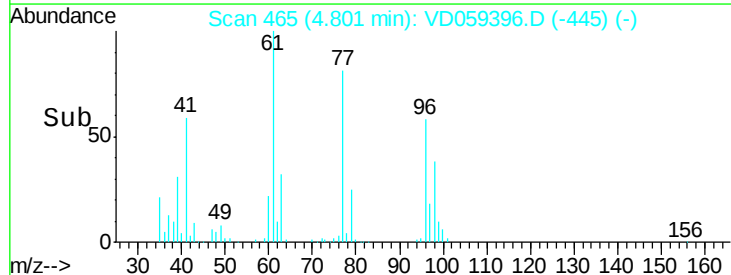
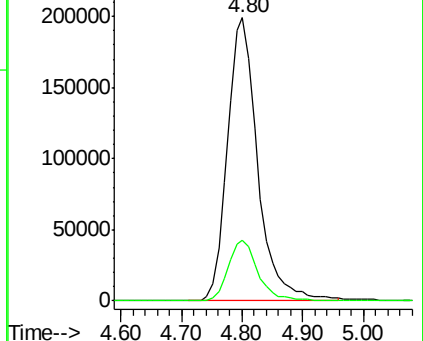
77 100

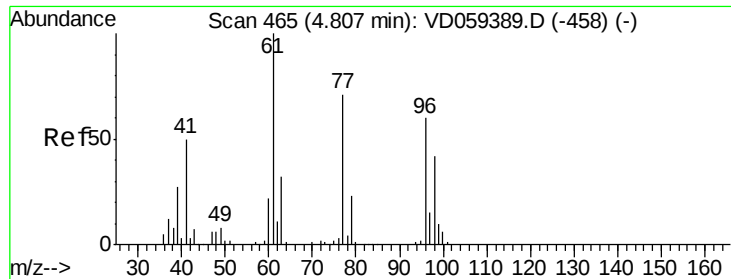
97 21.6 10.7 32.1



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: 42.55 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

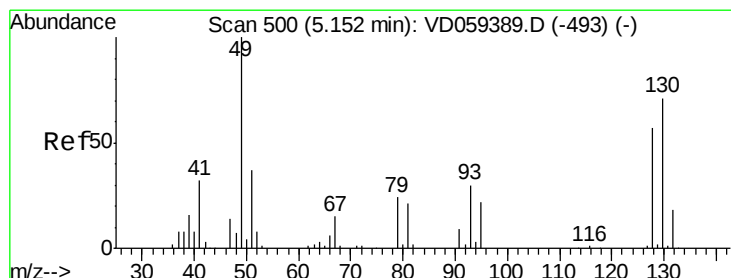
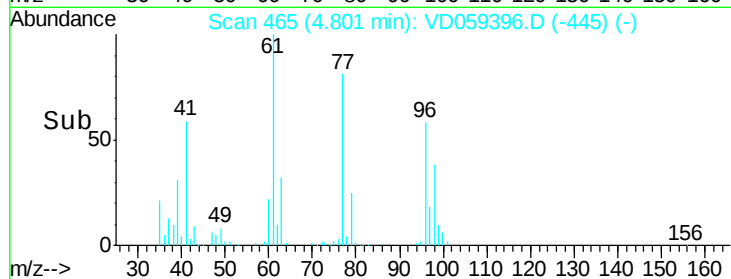
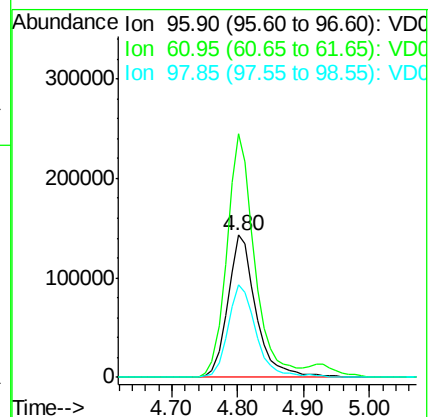
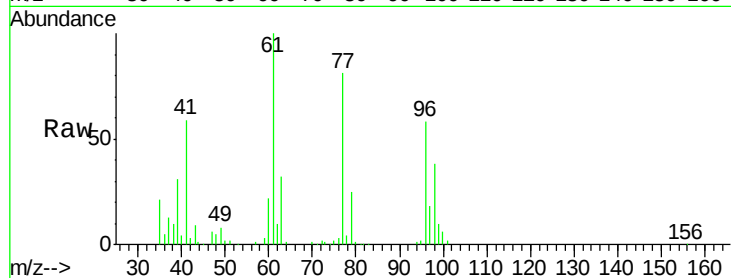
Tot Ion: 96 Resp: 429842

Ion Ratio Lower Upper

96 100

61 171.6 0.0 335.8

98 65.5 0.0 141.0



#28

Bromochloromethane

Concen: 45.08 ug/l

RT: 5.15 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

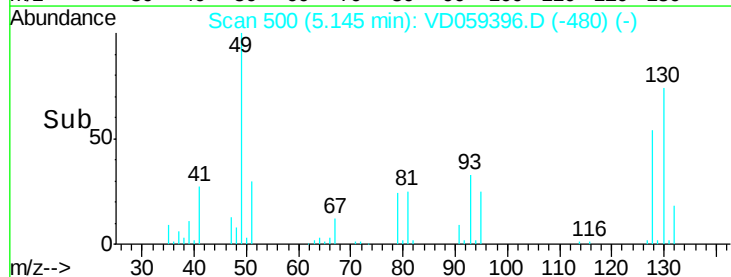
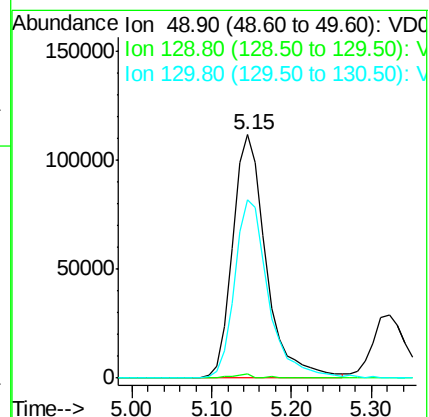
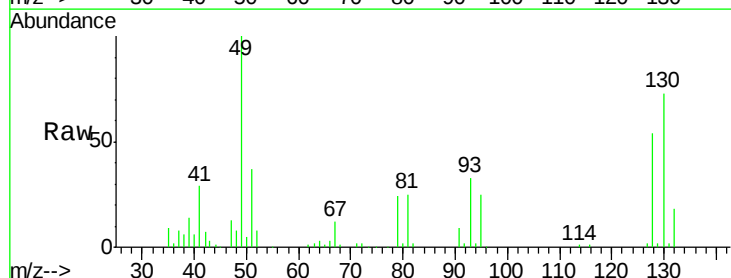
Tgt Ion: 49 Resp: 327483

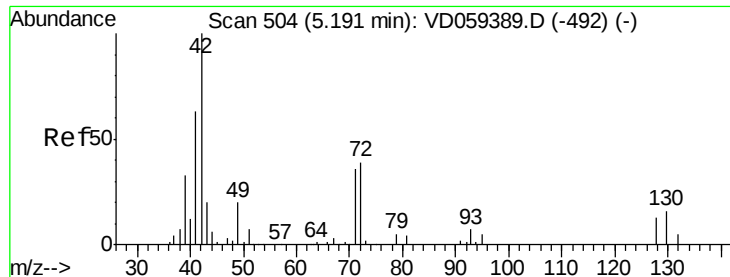
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 73.4 57.0 85.6

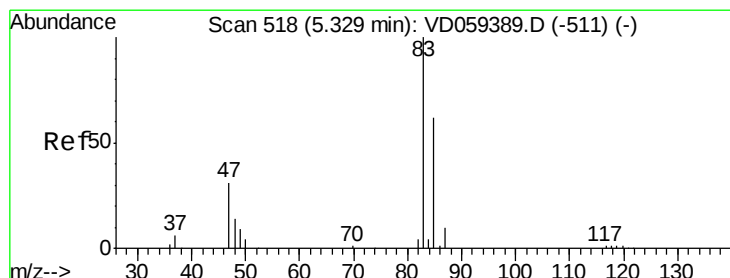
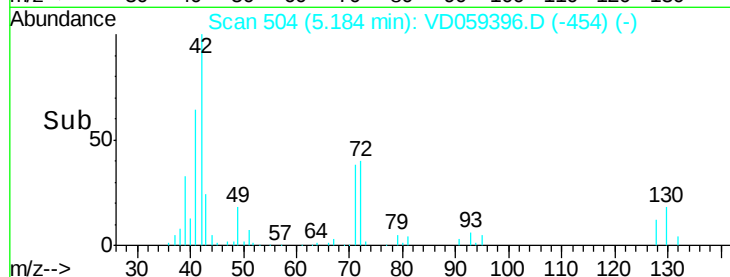
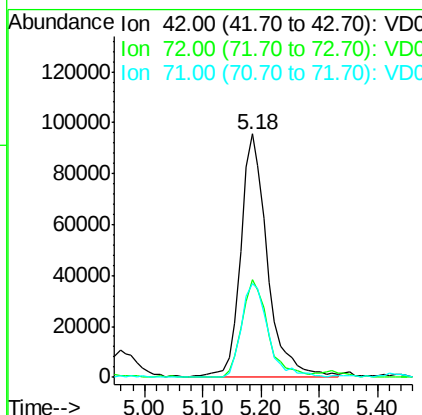
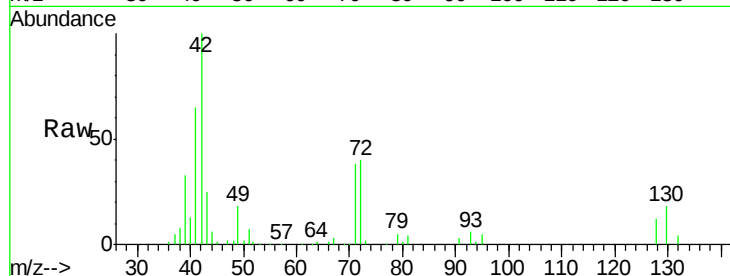




#29
Tetrahydrofuran
Concen: 201.21 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

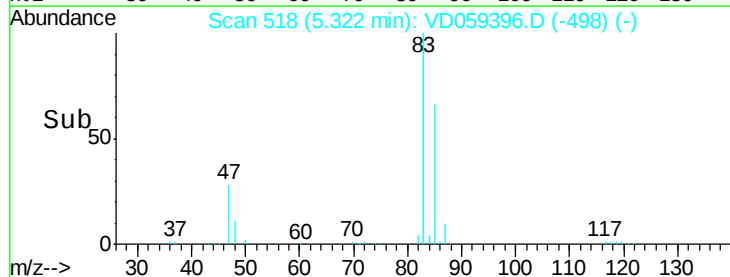
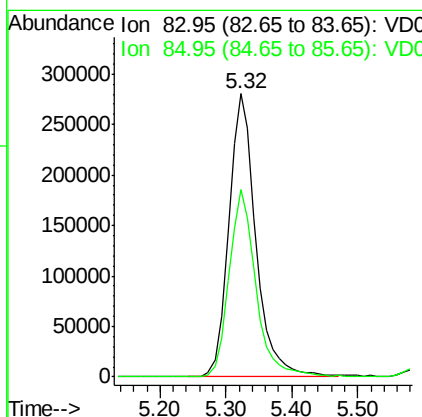
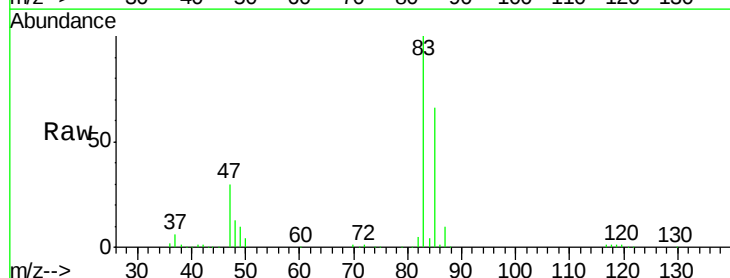
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

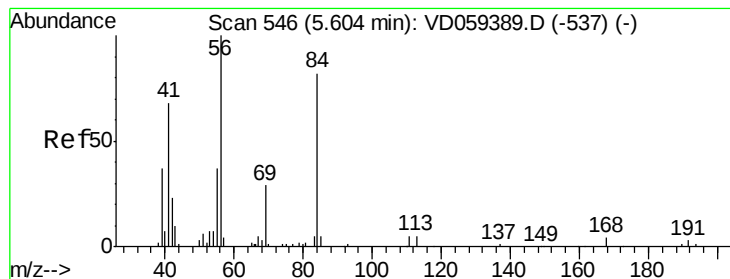
Tot Ion: 42 Resp: 307078
Ion Ratio Lower Upper
42 100
72 39.2 31.4 47.2
71 38.5 29.7 44.5



#30
Chloroform
Concen: 44.11 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 83 Resp: 805668
Ion Ratio Lower Upper
83 100
85 66.2 49.3 73.9





#31

Cyclohexane

Concen: 50.07 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

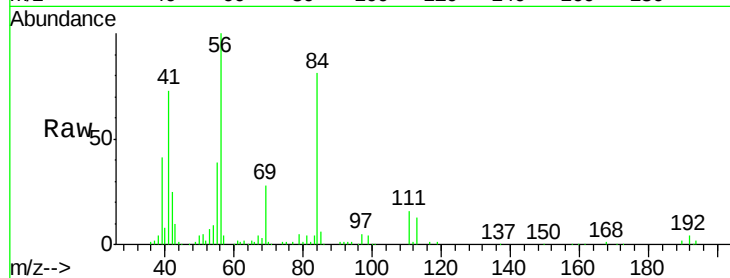
Tot Ion: 56 Resp: 553571

Ion Ratio Lower Upper

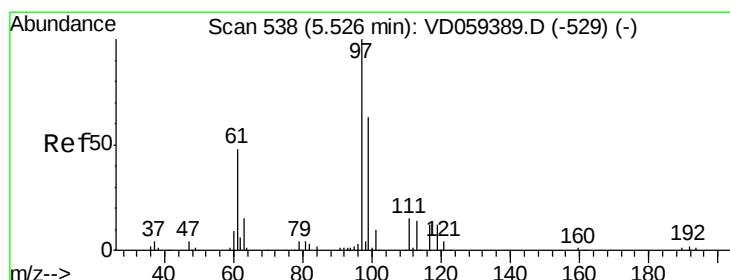
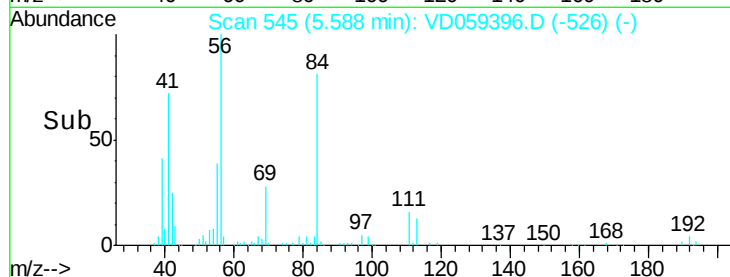
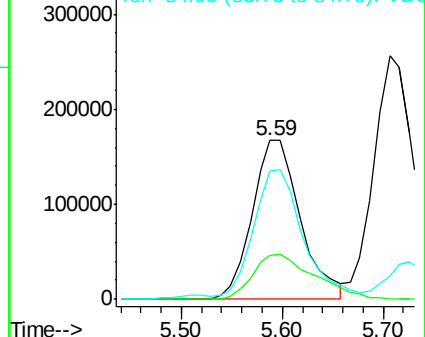
56 100

69 28.1 22.9 34.3

84 80.9 67.3 100.9



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: 50.01 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

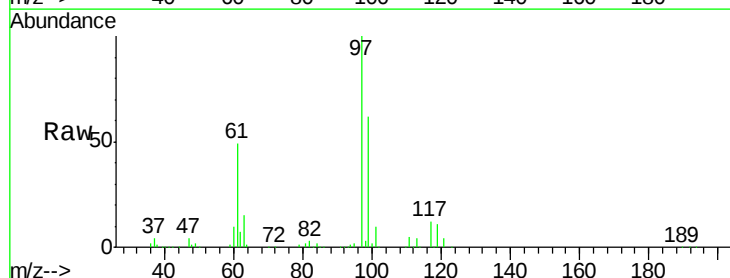
Tgt Ion: 97 Resp: 739611

Ion Ratio Lower Upper

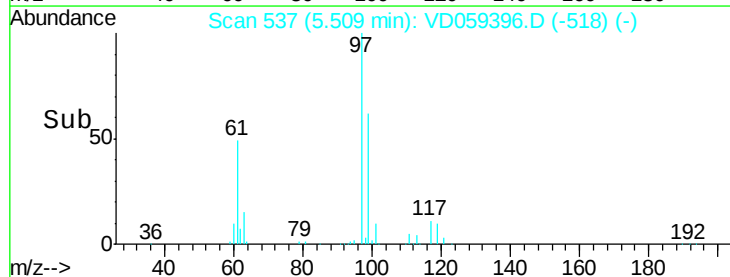
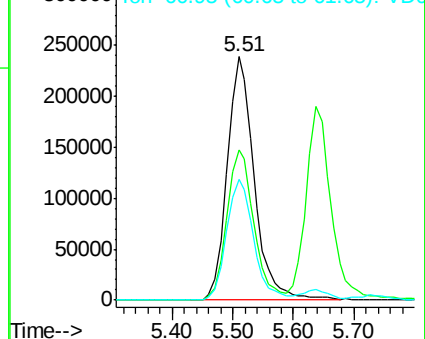
97 100

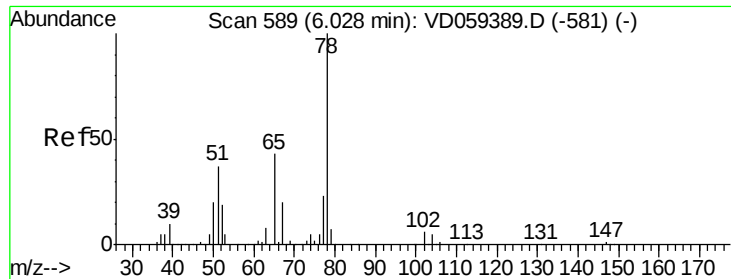
99 61.9 50.2 75.4

61 49.5 38.6 57.8



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: 50.01 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

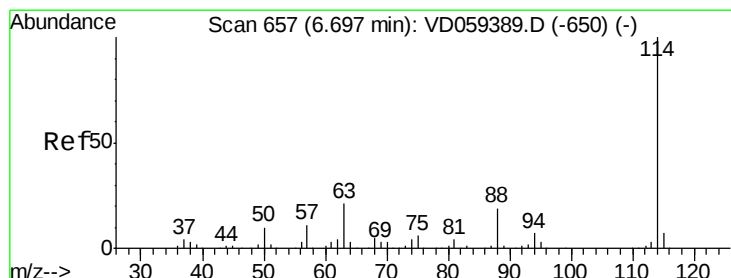
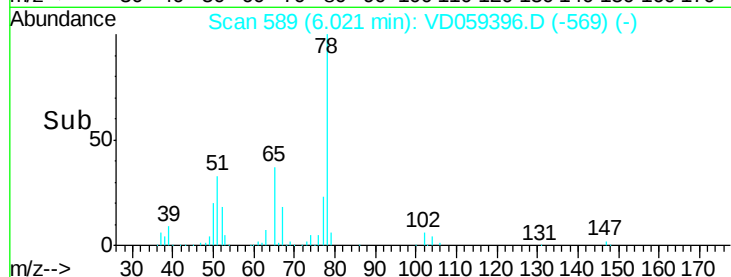
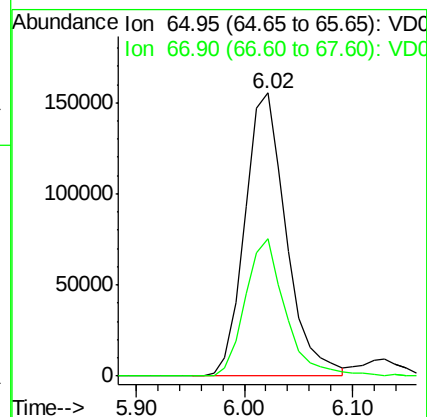
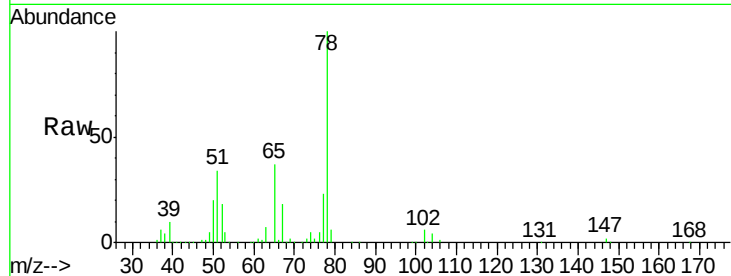
VSTDCCC050

Tot Ion: 65 Resp: 413267

Ion Ratio Lower Upper

65 100

67 48.6 0.0 93.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

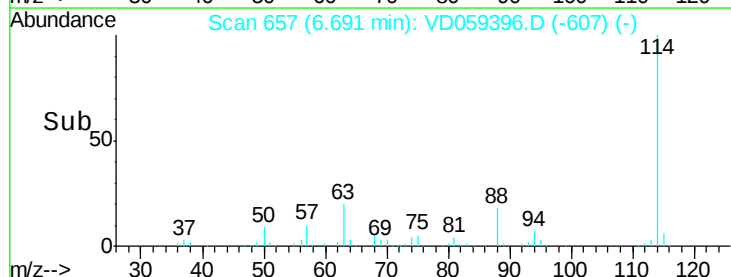
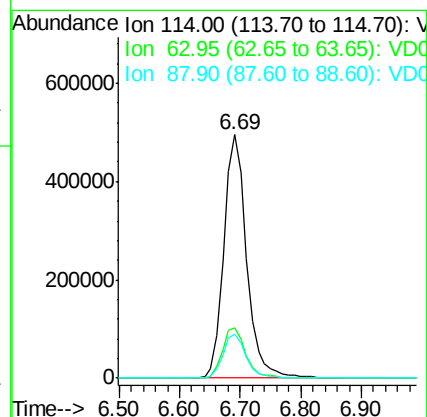
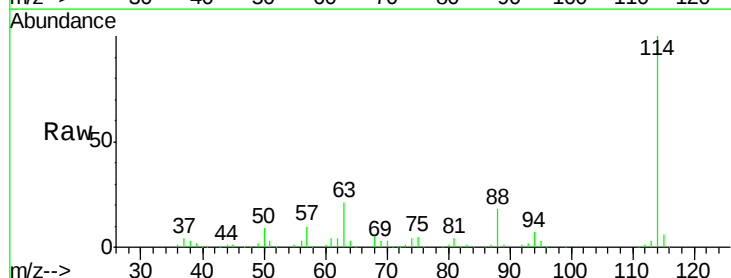
Tgt Ion: 114 Resp: 1296096

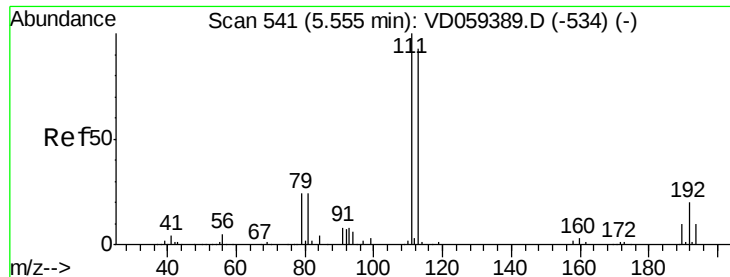
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 17.8 0.0 38.0

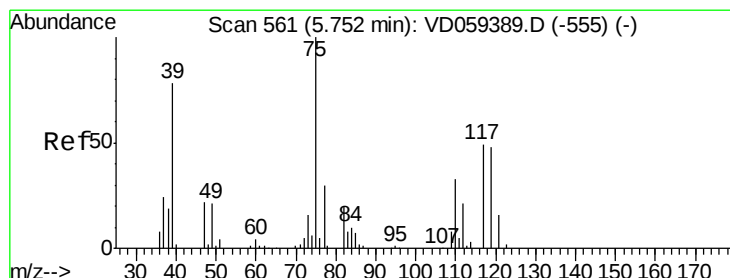
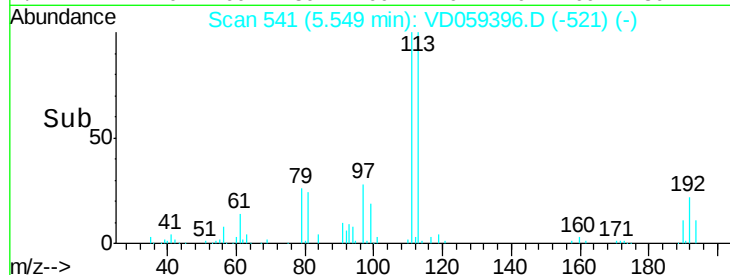
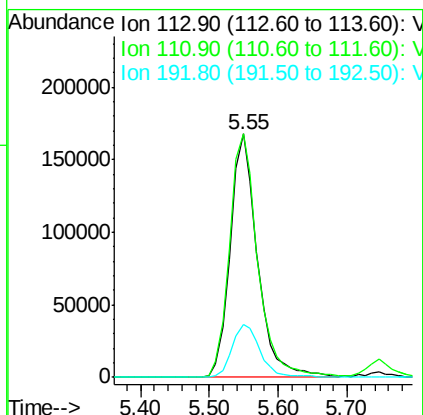
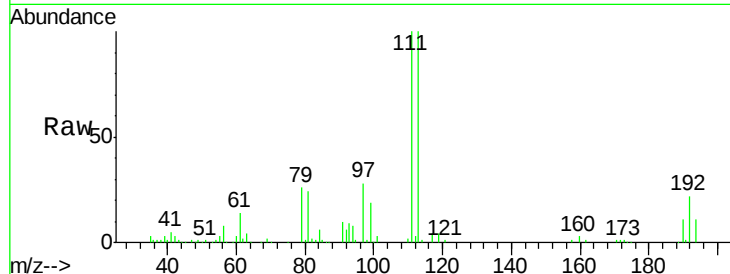




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.55 min Scan# 541
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

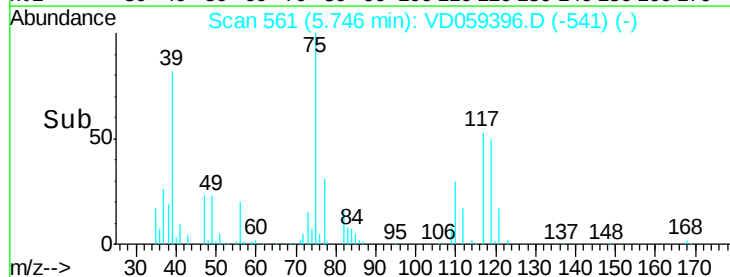
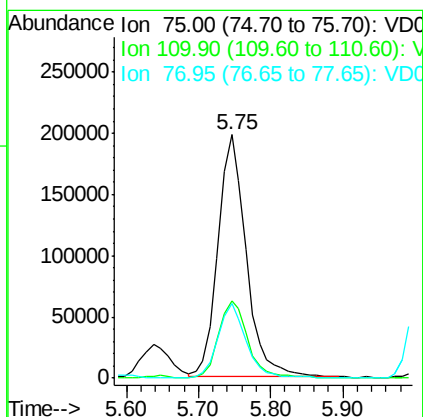
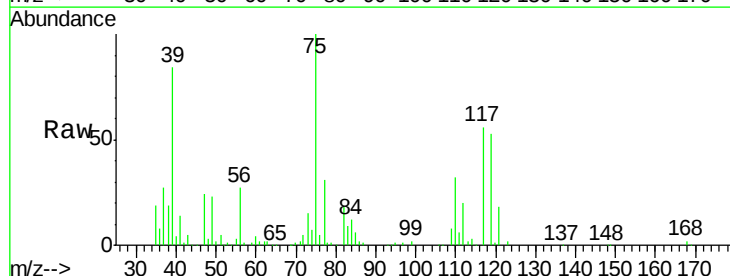
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

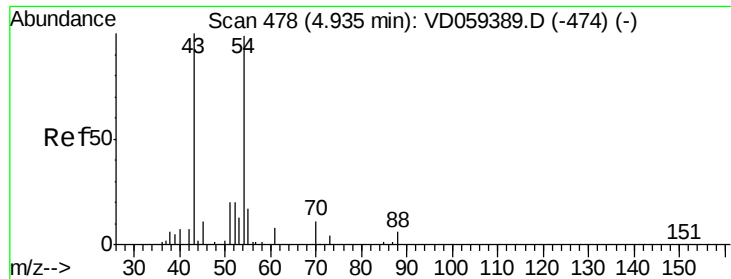
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	85.7	128.5
192	21.6	16.9	25.3



#36
1,1-Dichloropropene
Concen: 45.71 ug/l
RT: 5.75 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.1	48.2
77	30.9	23.4	35.2

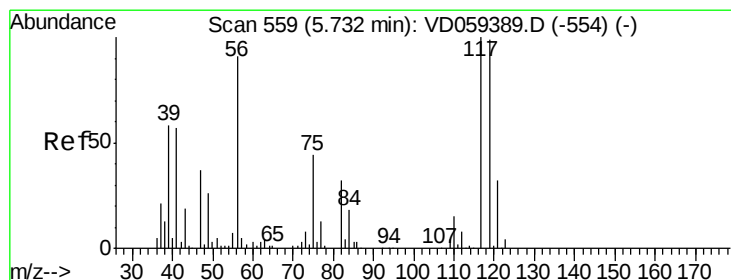
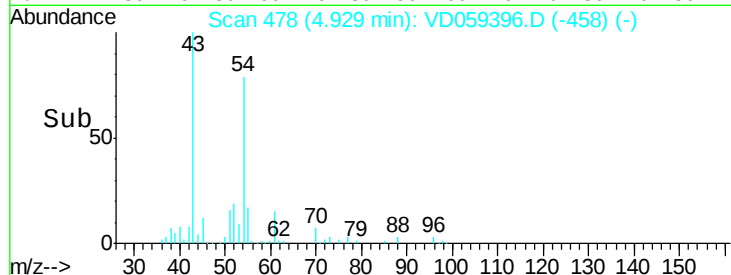
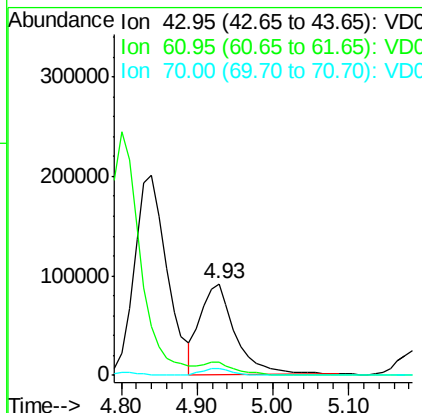
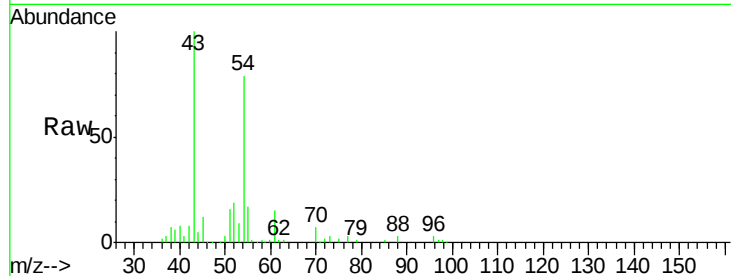




#37
Ethyl Acetate
Concen: 40.49 ug/l
RT: 4.93 min Scan# 478
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

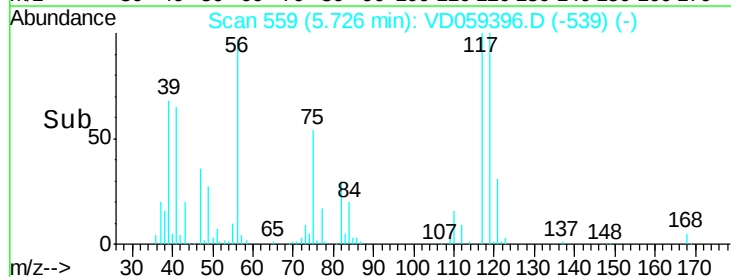
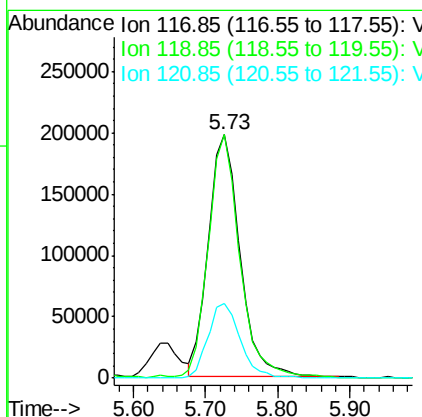
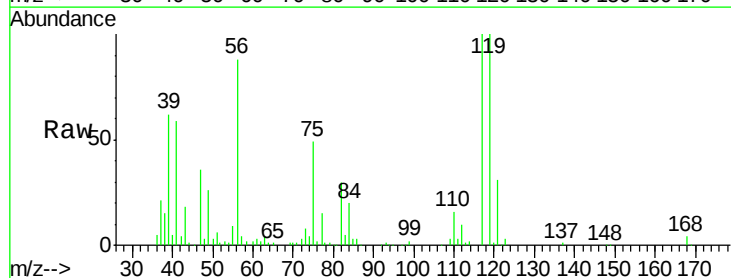
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

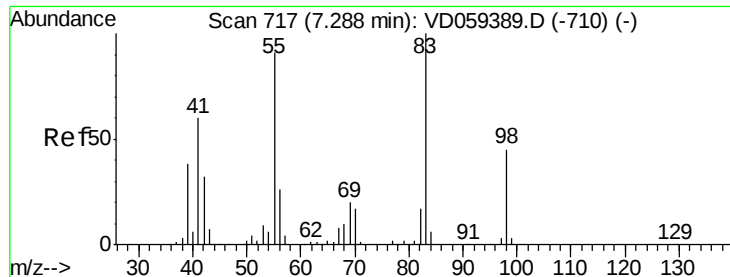
Tot Ion: 43 Resp: 289915
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.8
70 7.3 6.1 9.1



#38
Carbon Tetrachloride
Concen: 49.41 ug/l
RT: 5.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 117 Resp: 598924
Ion Ratio Lower Upper
117 100
119 99.8 76.6 115.0
121 30.7 25.0 37.4

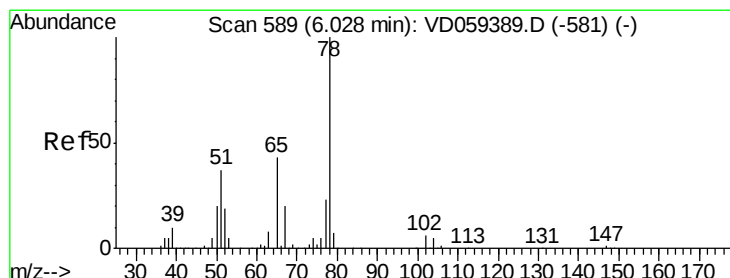
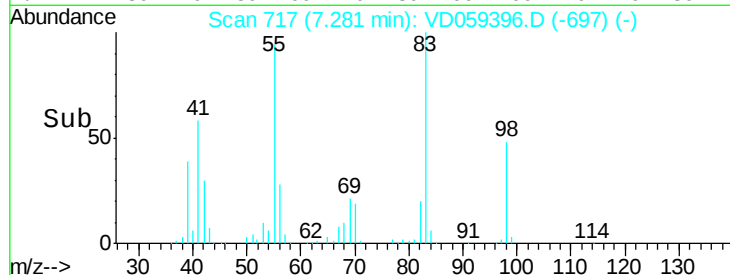
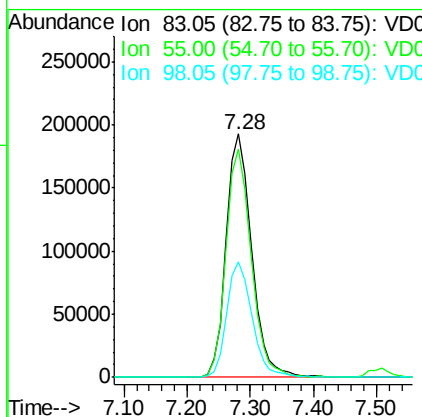
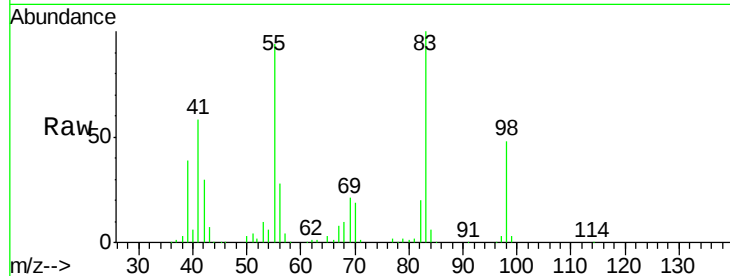




#39
Methvlcvclohexane
Concen: 48.43 ug/l
RT: 7.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

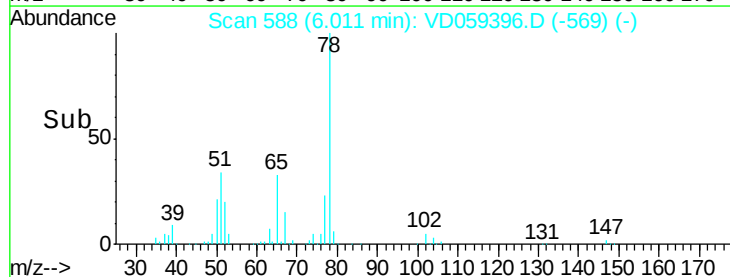
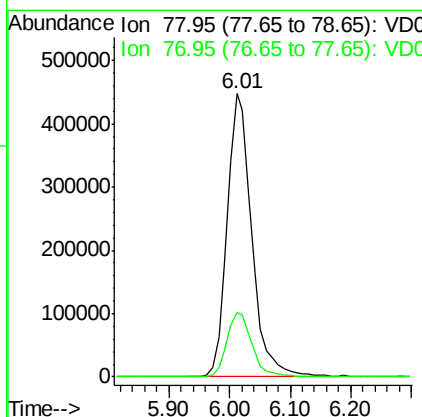
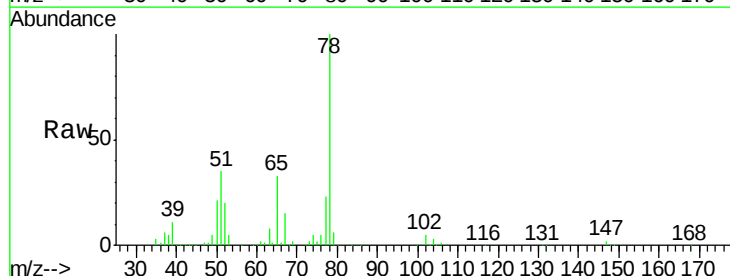
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

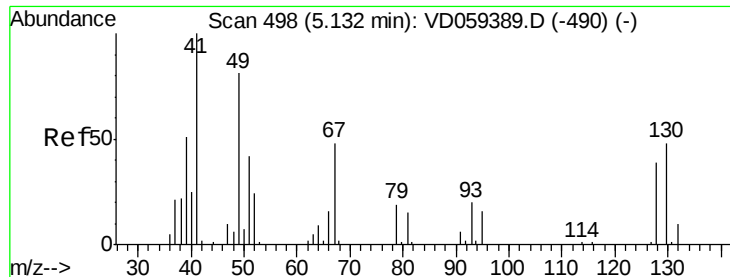
Tot Ion: 83 Resp: 540060
Ion Ratio Lower Upper
83 100
55 93.5 72.6 109.0
98 47.6 35.8 53.6



#40
Benzene
Concen: 44.67 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.02 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 78 Resp: 1260354
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1





#41

Methacrylonitrile

Concen: 45.21 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 155925

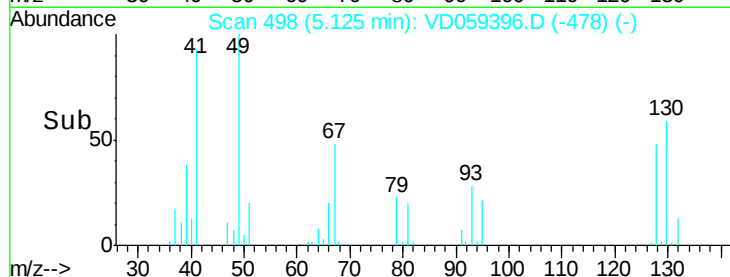
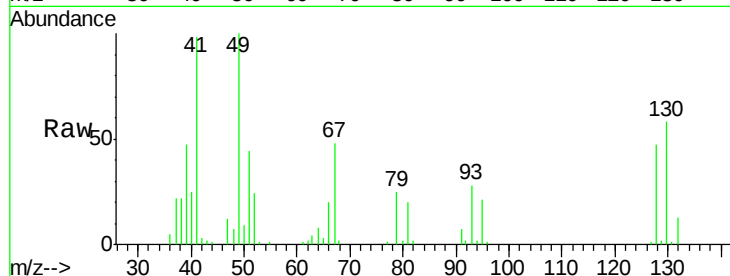
Ion Ratio Lower Upper

41 100

39 47.8 41.5 62.3

67 48.8 38.7 58.1

52 24.4 19.4 29.2

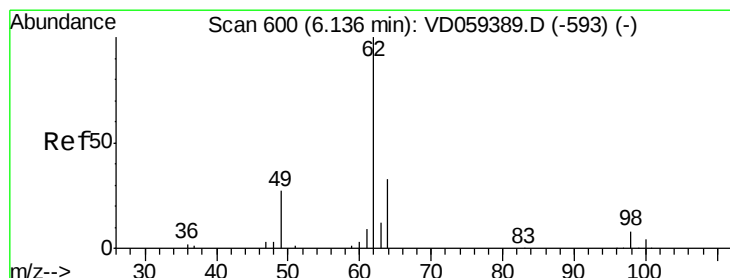
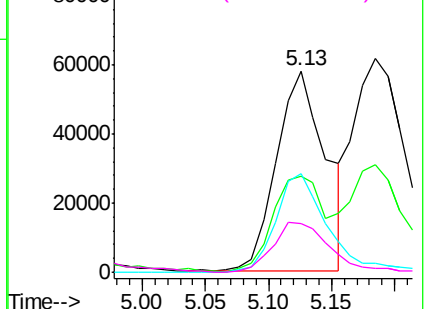


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.87 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059396.D

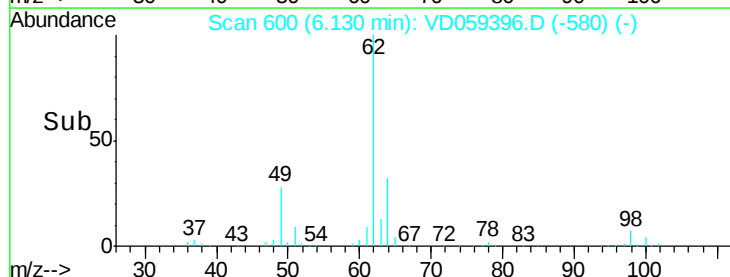
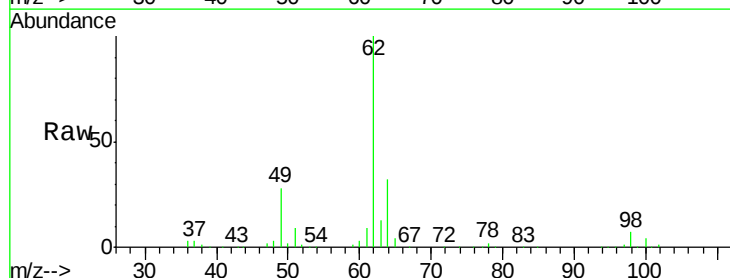
Acq: 25 Jun 2018 12:50

Tgt Ion: 62 Resp: 571859

Ion Ratio Lower Upper

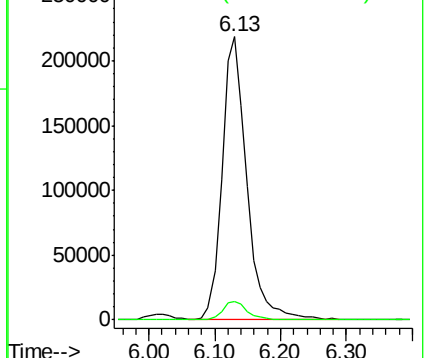
62 100

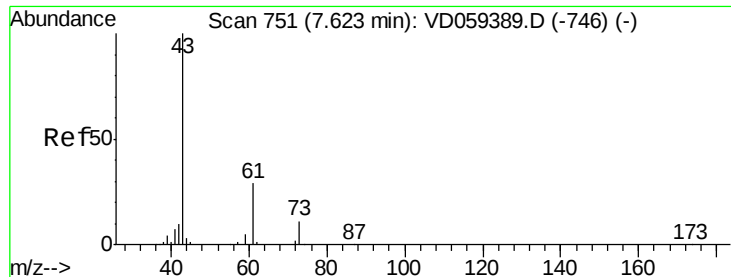
98 6.6 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 44.01 ug/l

RT: 7.62 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

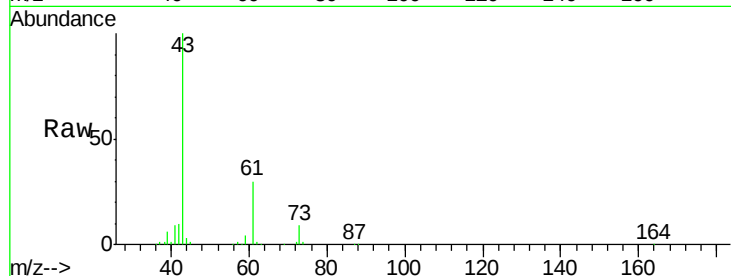
Tot Ion: 43 Resp: 395691

Ion Ratio Lower Upper

43 100

61 29.8 23.1 34.7

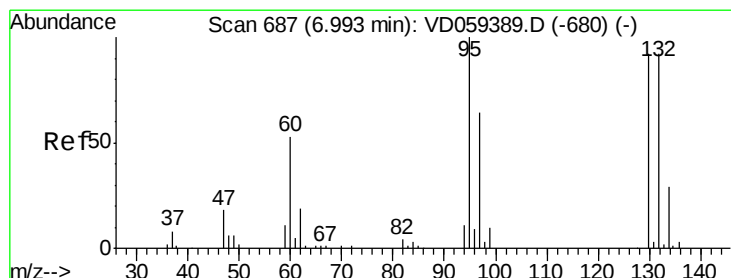
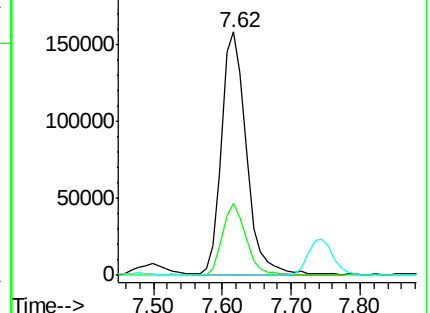
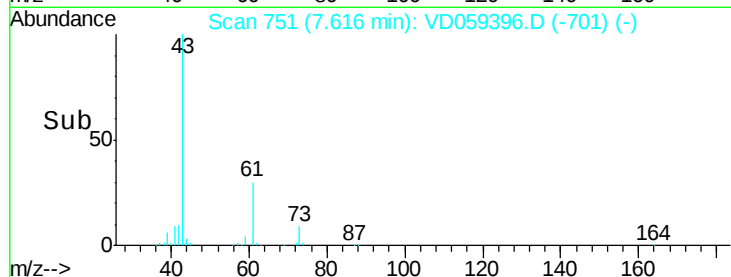
87 0.3 0.2 0.4



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: 46.53 ug/l

RT: 6.98 min Scan# 686

Delta R.T. -0.02 min

Lab File: VD059396.D

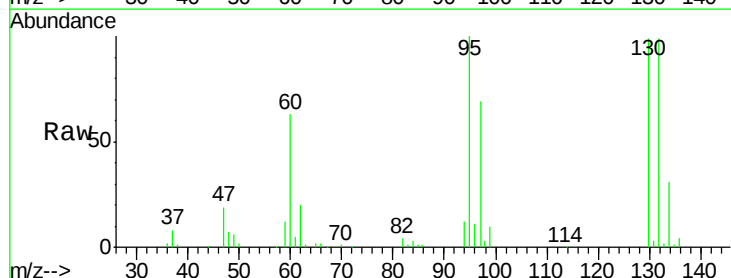
Acq: 25 Jun 2018 12:50

Tgt Ion:130 Resp: 429899

Ion Ratio Lower Upper

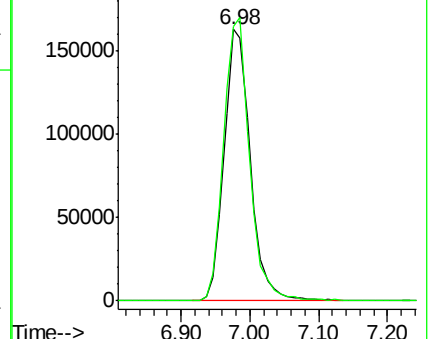
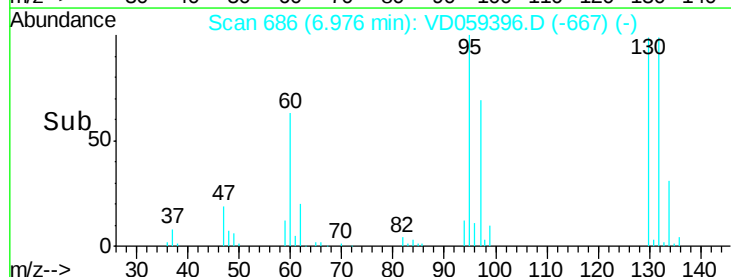
130 100

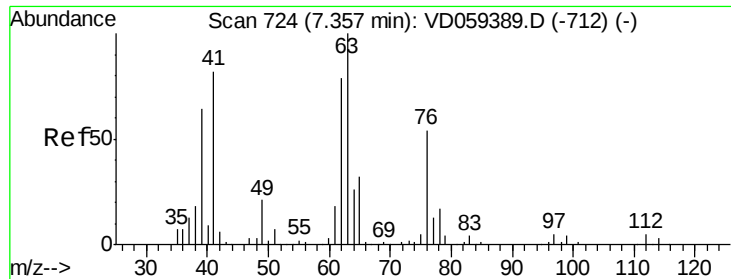
95 101.1 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 45.66 ug/l

RT: 7.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

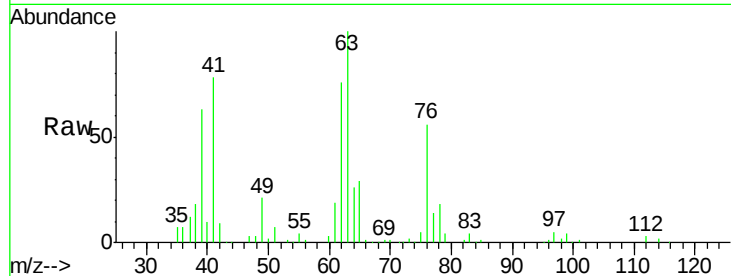
VSTDCCC050

Tot Ion: 63 Resp: 356816

Ion Ratio Lower Upper

63 100

65 29.4 25.7 38.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

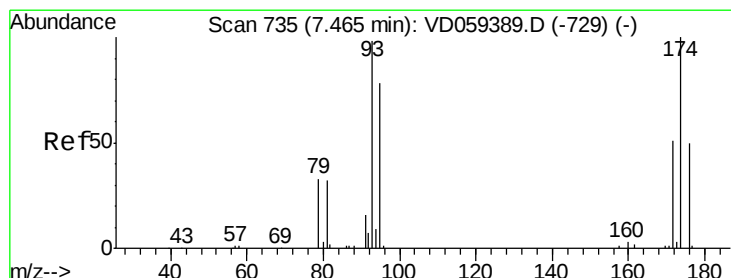
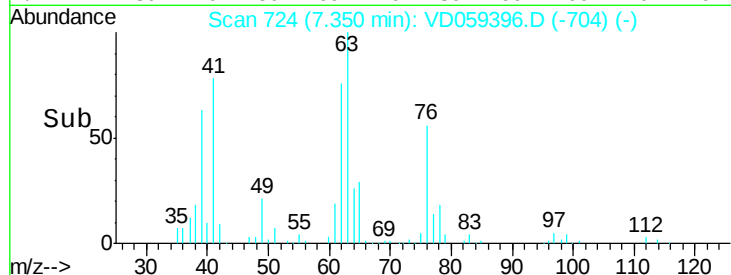
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 45.08 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

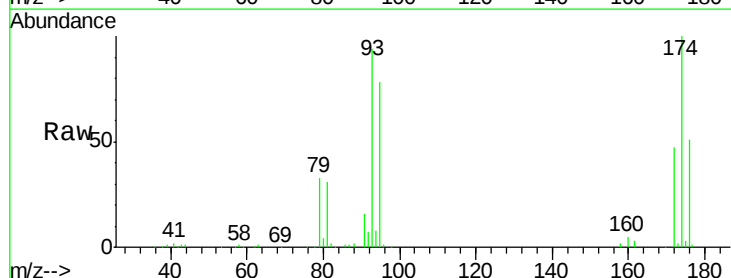
Tgt Ion: 93 Resp: 253354

Ion Ratio Lower Upper

93 100

95 83.1 63.4 95.0

174 106.7 81.4 122.2



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

7.46

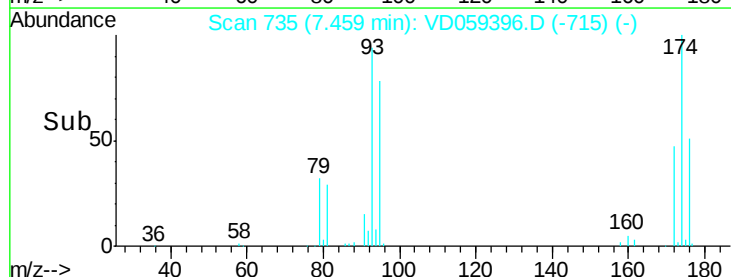
150000

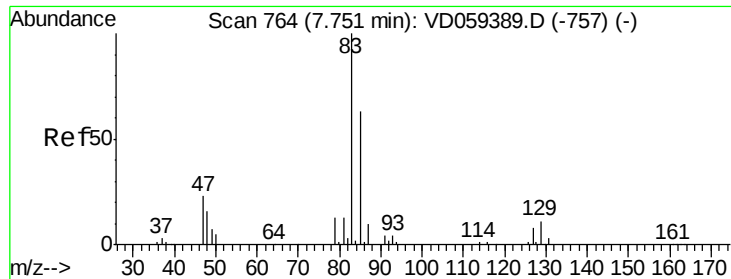
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.53 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

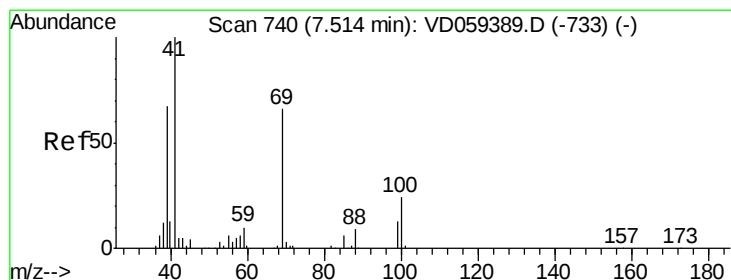
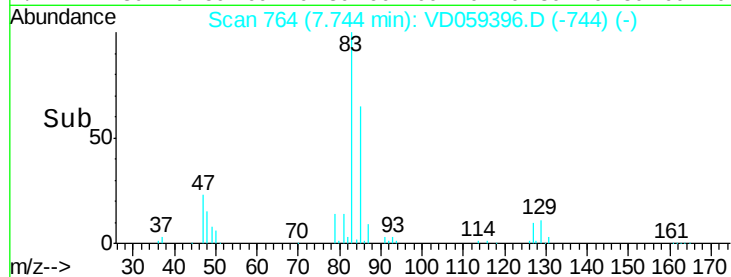
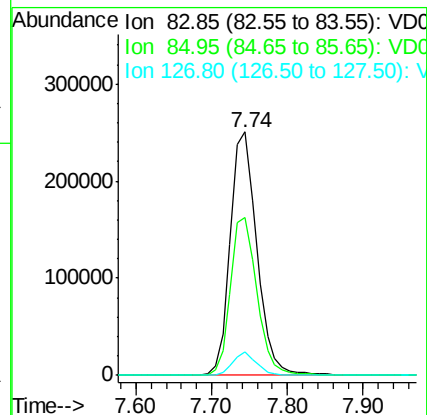
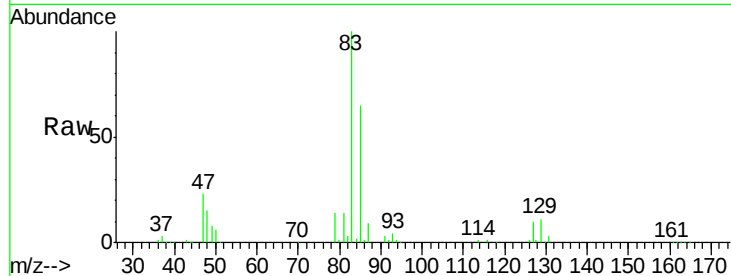
Tot Ion: 83 Resp: 610274

Ion Ratio Lower Upper

83 100

85 65.0 50.1 75.1

127 9.7 6.1 9.1#



#48

Methyl methacrylate

Concen: 45.19 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

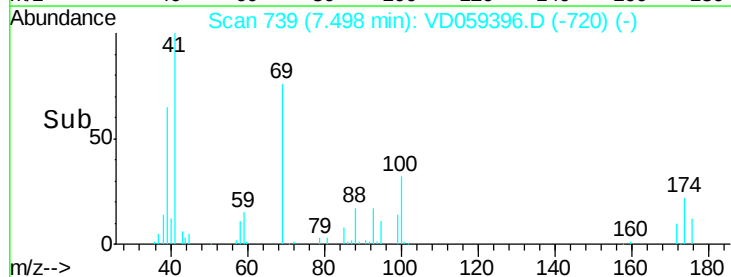
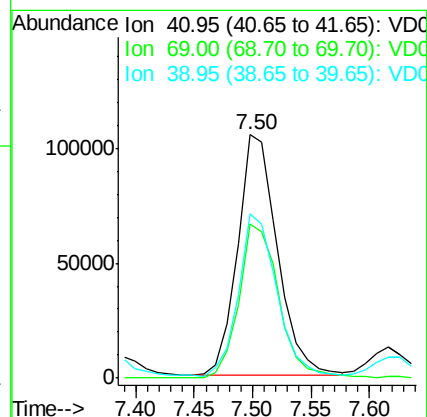
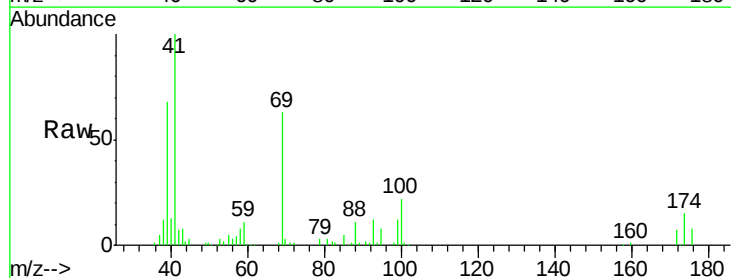
Tgt Ion: 41 Resp: 247589

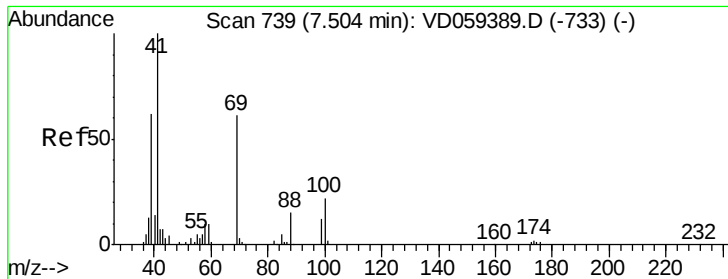
Ion Ratio Lower Upper

41 100

69 63.2 52.6 79.0

39 67.5 53.6 80.4





#49

1,4-Dioxane

Concen: 870.78 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.03 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

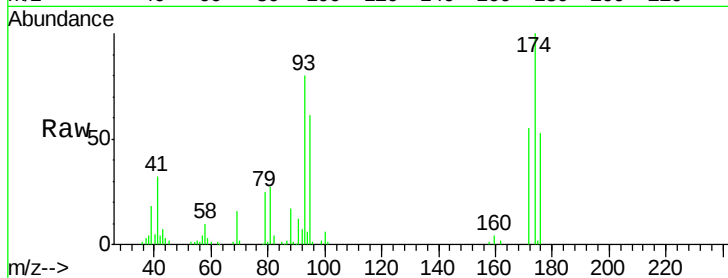
Tot Ion: 88 Resp: 47842

Ion Ratio Lower Upper

88 100

43 39.5 41.0 61.4#

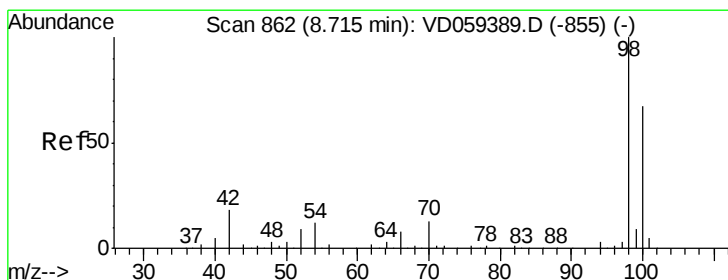
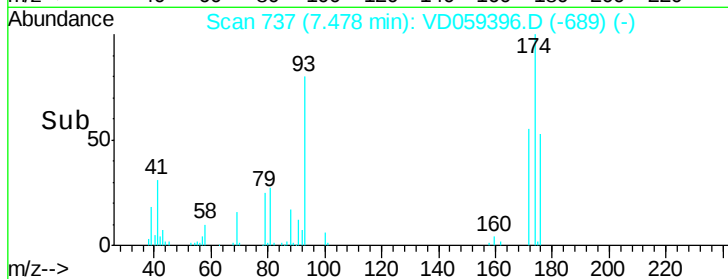
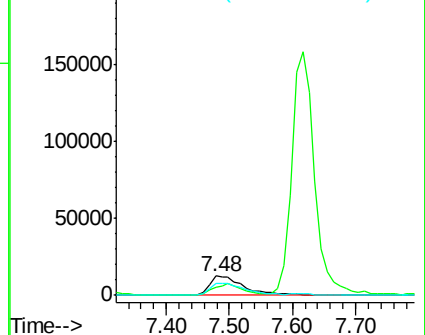
58 58.1 53.4 80.0



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: 870.78 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD059396.D

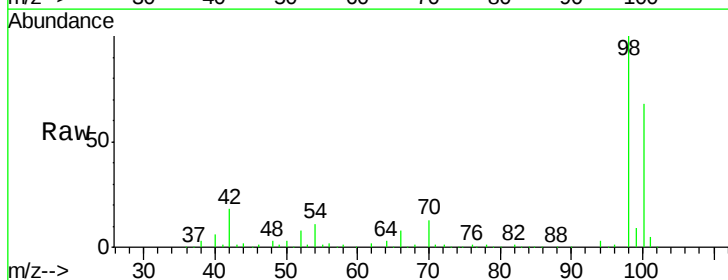
Acq: 25 Jun 2018 12:50

Tgt Ion: 98 Resp: 1039175

Ion Ratio Lower Upper

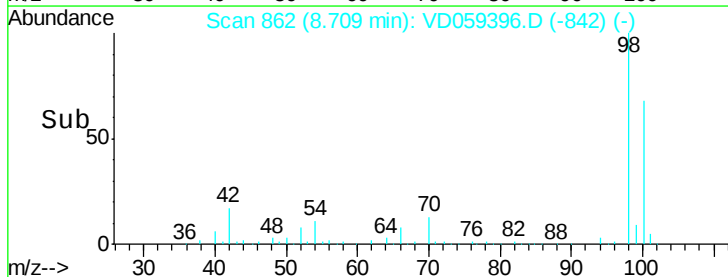
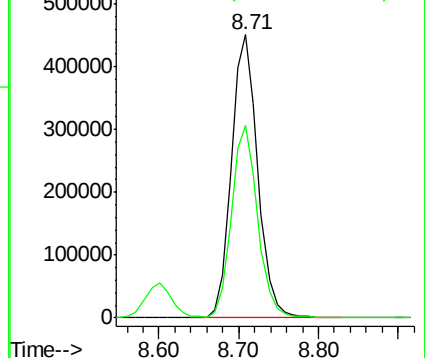
98 100

100 68.1 54.4 81.6



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: 213.19 ug/l

RT: 8.60 min Scan# 851

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

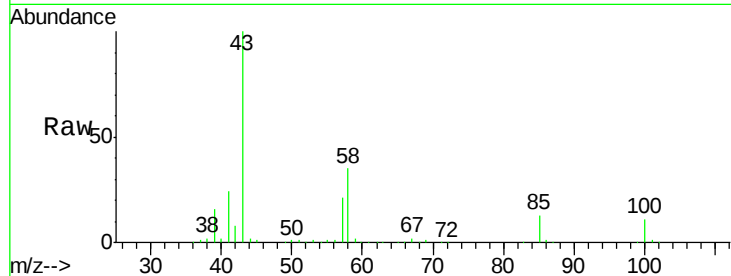
VSTDCCC050

Tot Ion: 43 Resp: 1277392

Ion Ratio Lower Upper

43 100

58 35.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

500000

400000

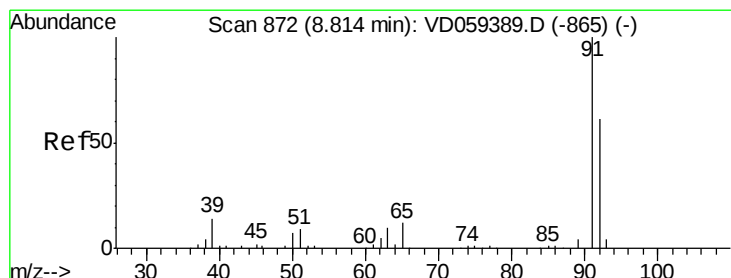
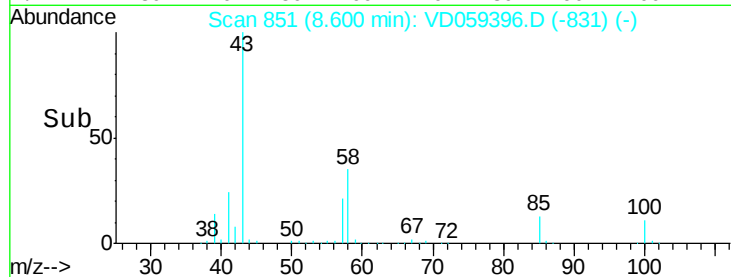
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 43.81 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.02 min

Lab File: VD059396.D

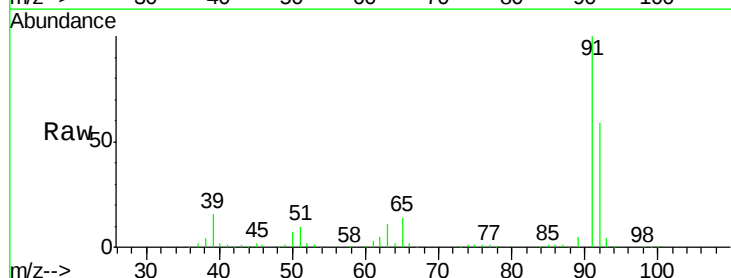
Acq: 25 Jun 2018 12:50

Tgt Ion: 92 Resp: 738320

Ion Ratio Lower Upper

92 100

91 170.5 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

600000

500000

400000

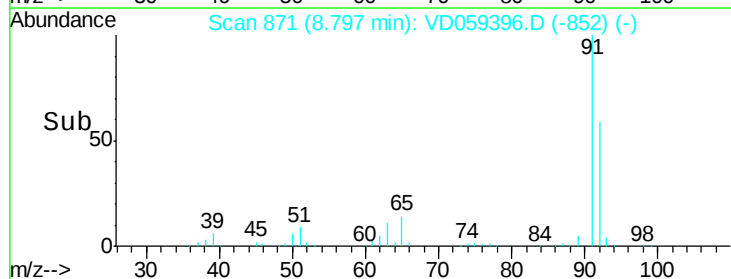
300000

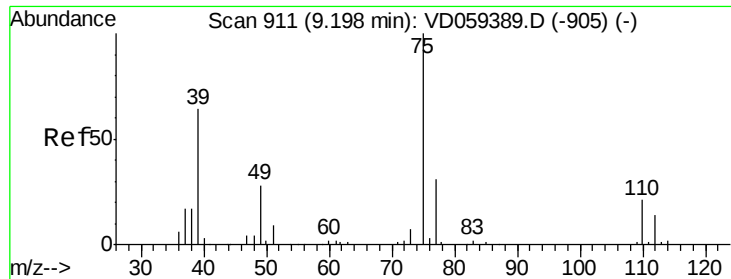
200000

100000

0

Time-->

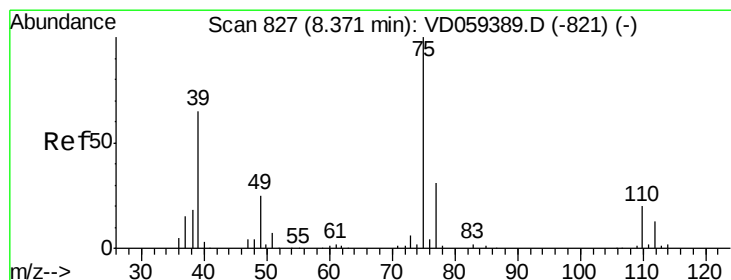
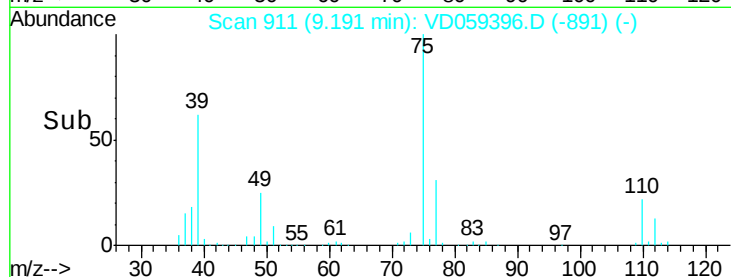
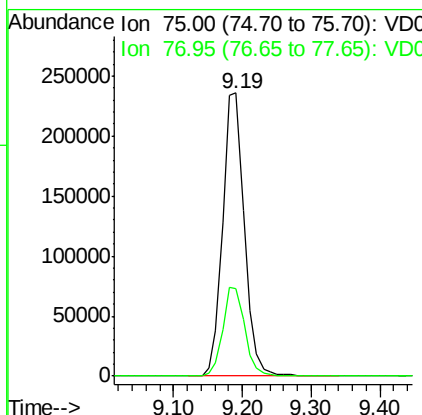
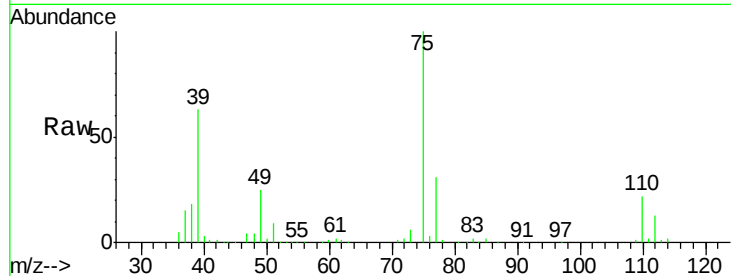




#53
 t-1,3-Dichloropropene
 Concen: 48.91 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

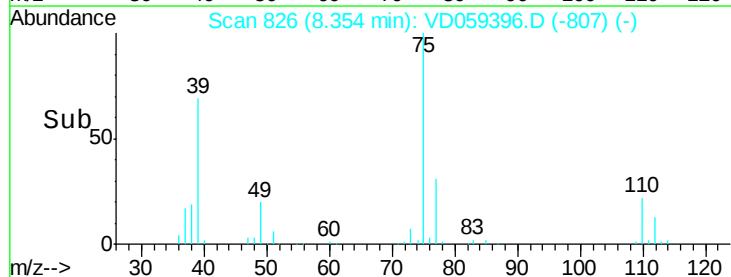
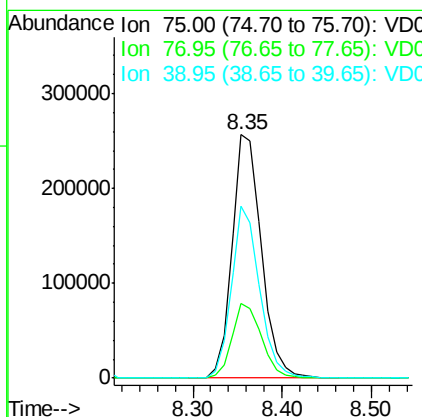
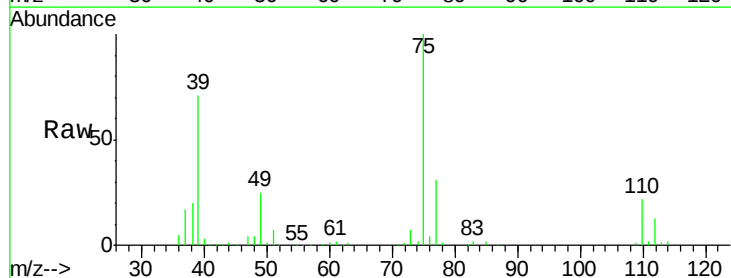
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

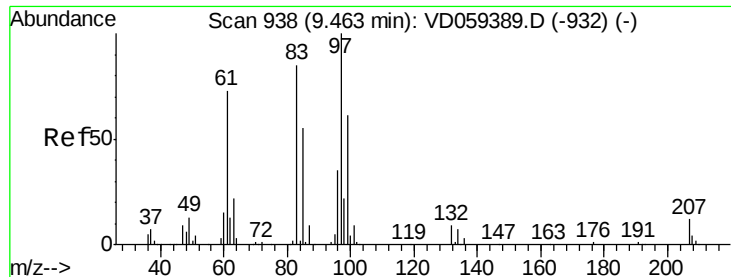
Tot Ion: 75 Resp: 513910
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 48.61 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 75 Resp: 591435
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.7 37.1
 39 70.5 52.2 78.4

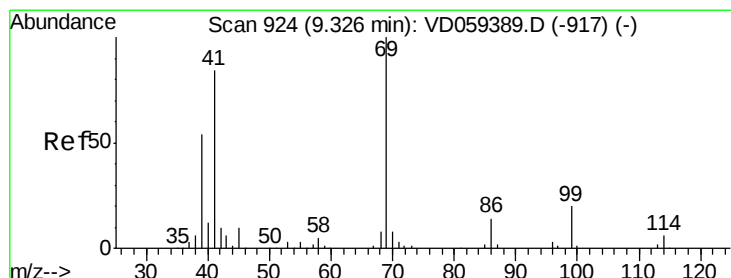
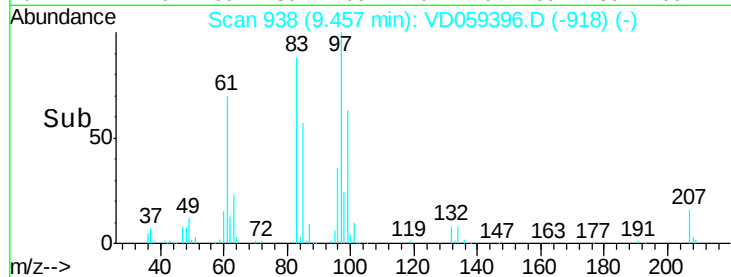
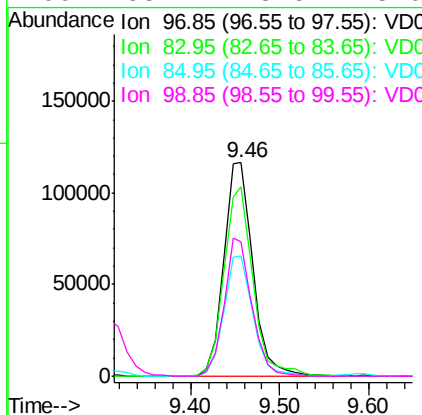
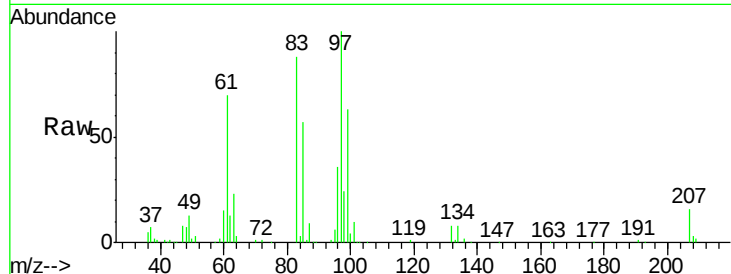




#55
 1,1,2-Trichloroethane
 Concen: 43.73 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

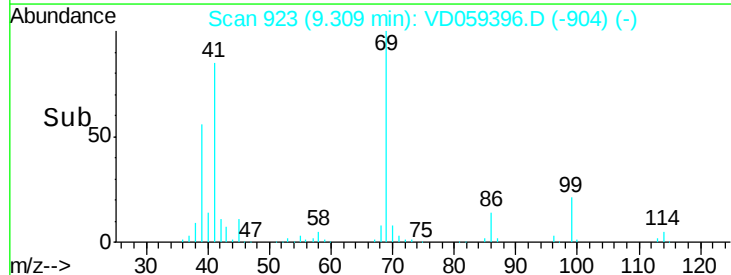
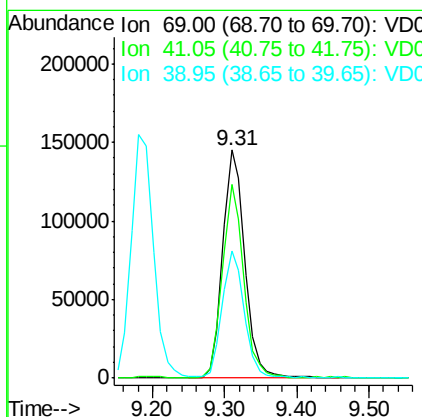
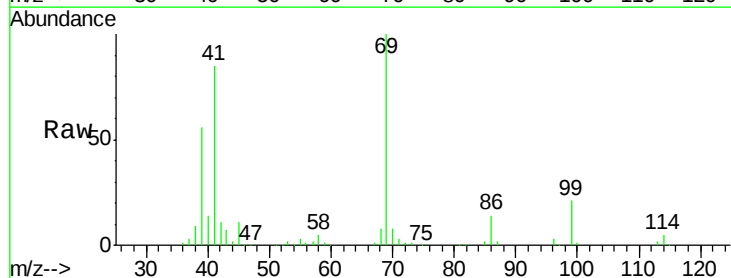
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

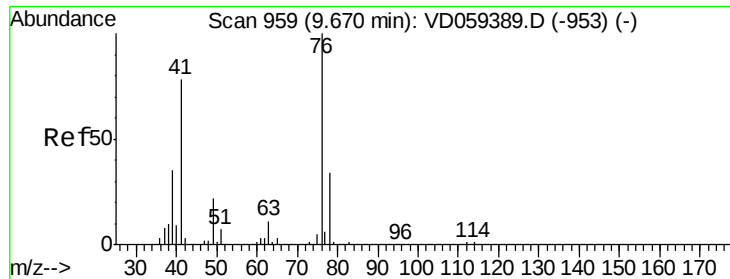
Tot Ion:	97	Resp:	267547
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.7	101.5
85	56.6	44.3	66.5
99	63.1	48.6	73.0



#56
 Ethyl methacrylate
 Concen: 44.12 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. -0.02 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:	69	Resp:	307976
Ion	Ratio	Lower	Upper
69	100		
41	84.9	67.4	101.0
39	55.6	43.7	65.5

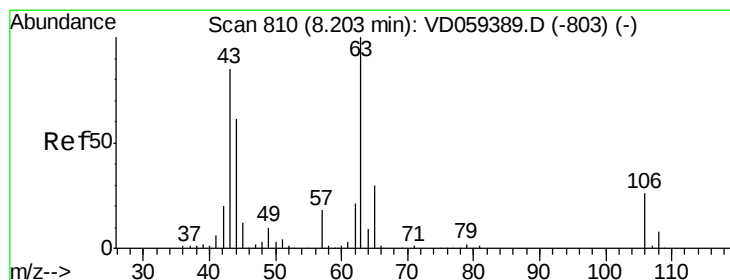
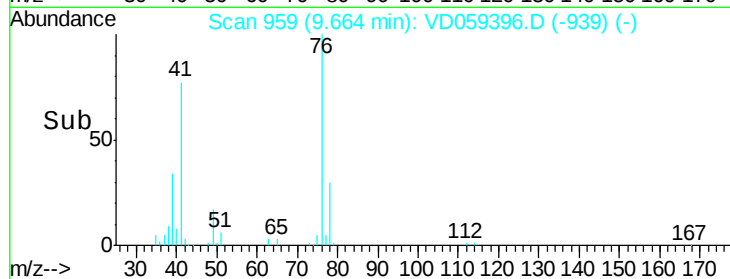
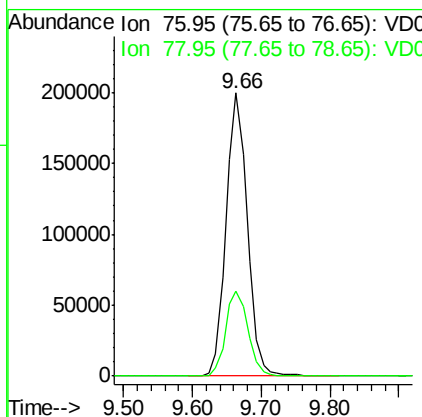
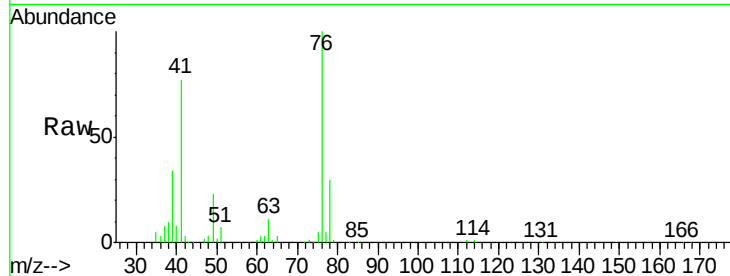




#57
 1,3-Dichloropropane
 Concen: 42.53 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

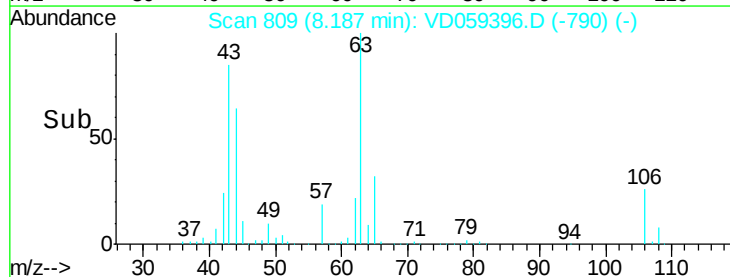
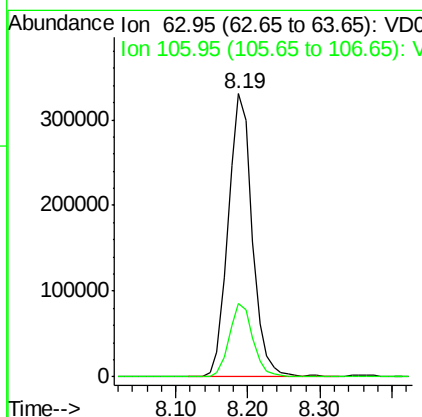
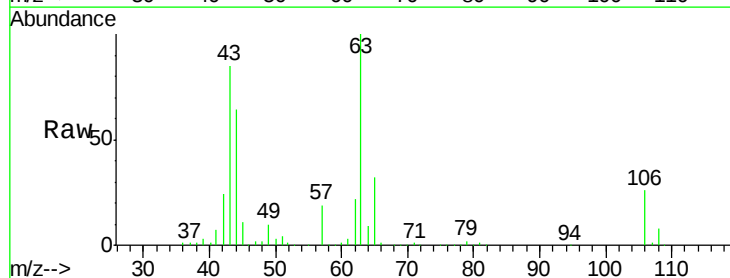
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

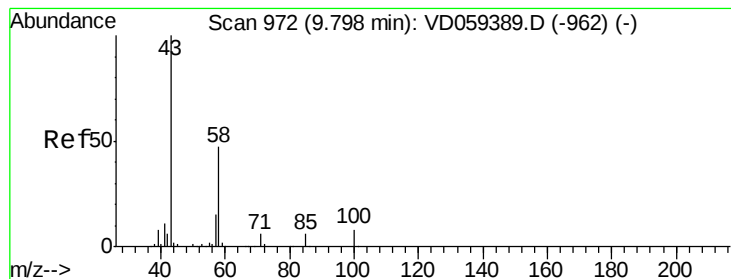
Tot Ion: 76 Resp: 425543
 Ion Ratio Lower Upper
 76 100
 78 29.9 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.53 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 63 Resp: 767400
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.6 31.0





#59

2-Hexanone

Concen: 230.03 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.02 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

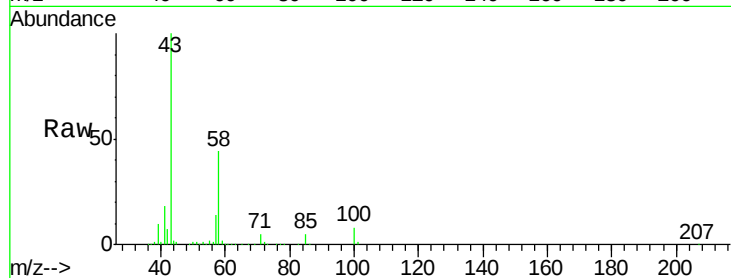
VSTDCCC050

Tot Ion: 43 Resp: 979624

Ion Ratio Lower Upper

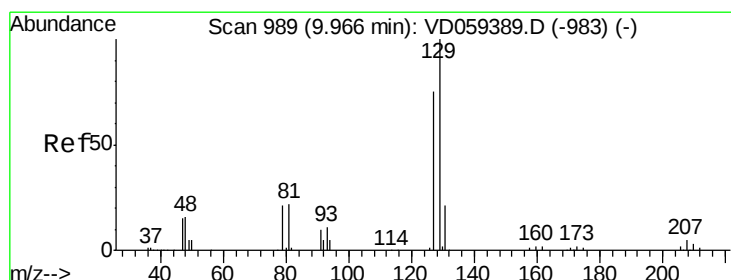
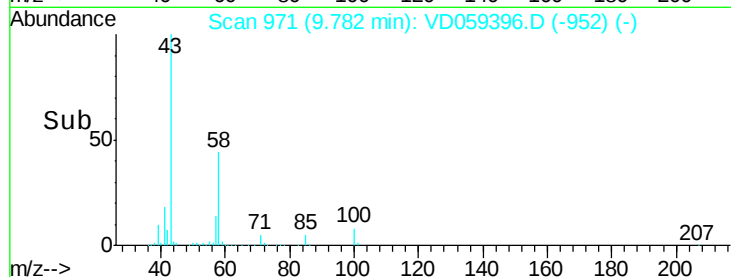
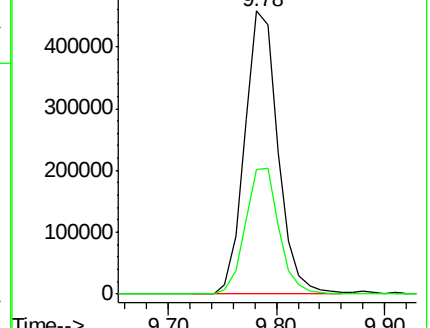
43 100

58 43.9 23.3 69.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 47.95 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.01 min

Lab File: VD059396.D

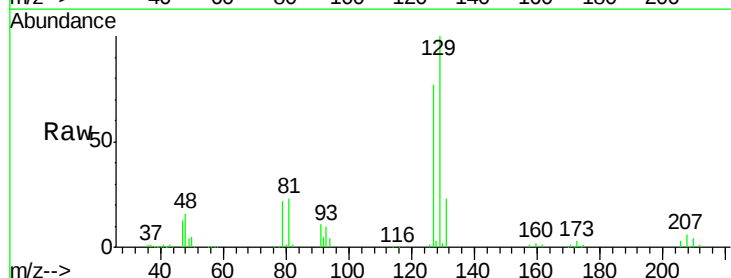
Acq: 25 Jun 2018 12:50

Tgt Ion: 129 Resp: 410832

Ion Ratio Lower Upper

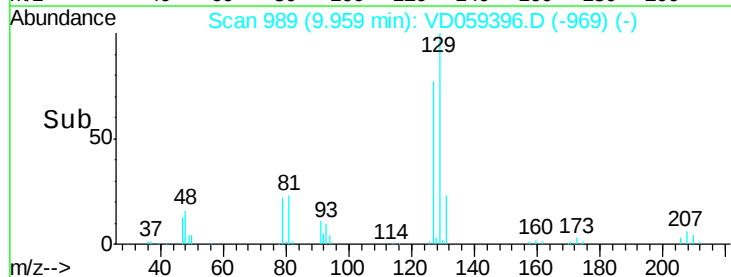
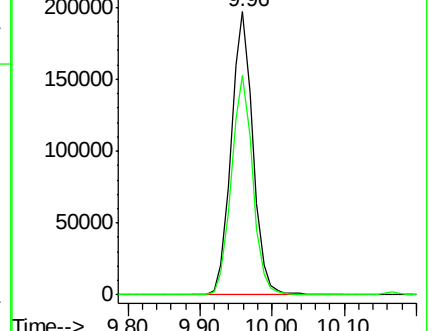
129 100

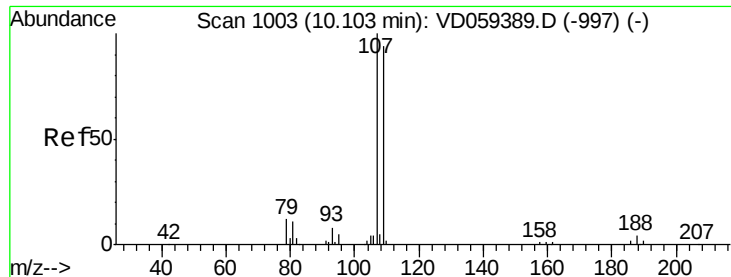
127 77.4 37.3 111.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

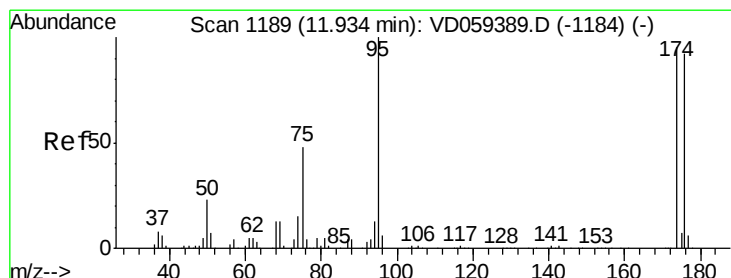
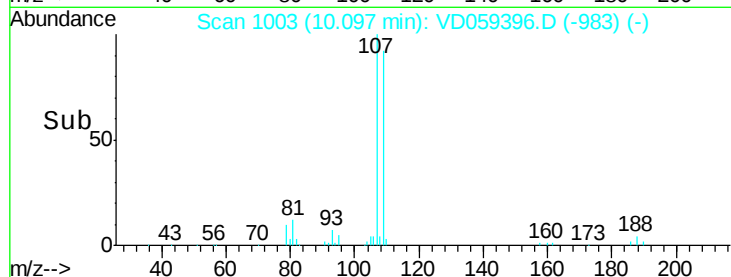
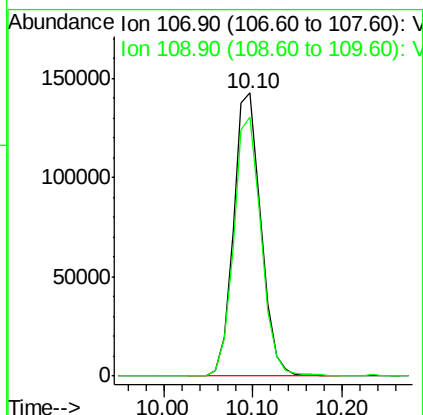
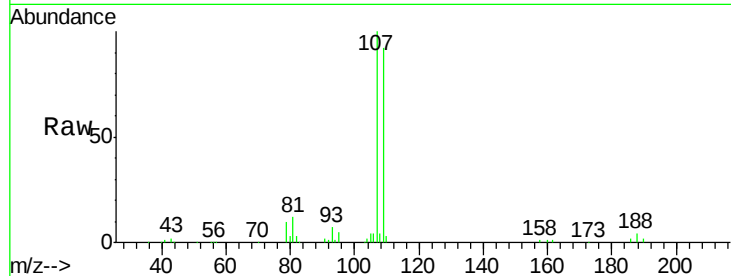




#61
 1,2-Dibromoethane
 Concen: 44.91 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

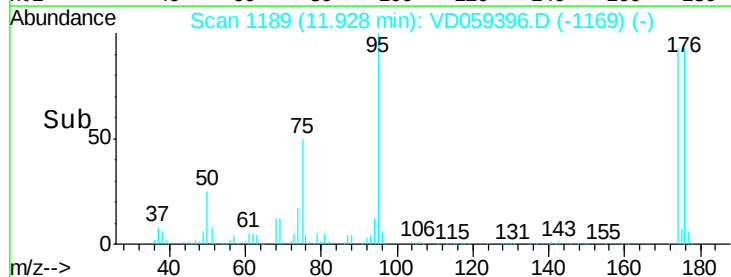
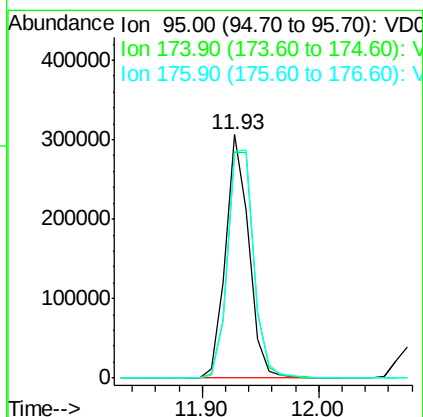
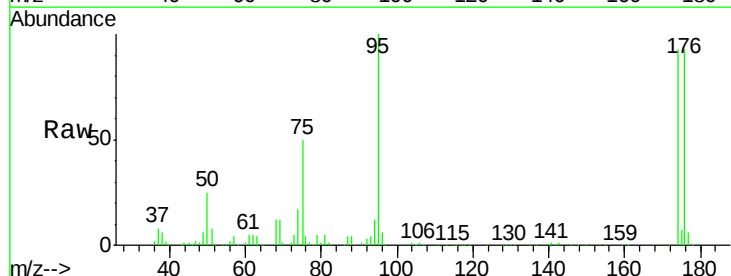
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

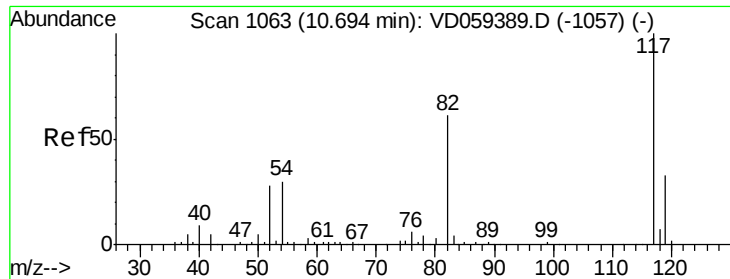
Tot Ion:107 Resp: 305986
 Ion Ratio Lower Upper
 107 100
 109 91.6 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 44.91 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 95 Resp: 422220
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 190.4
 176 93.0 0.0 183.2

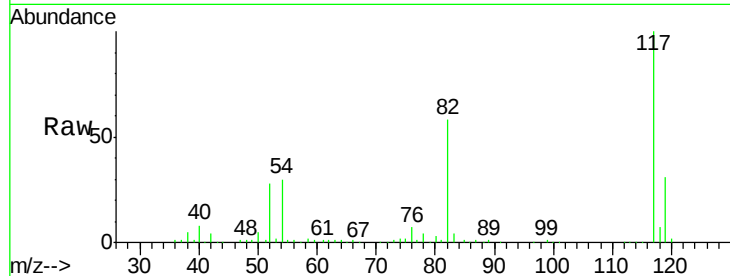




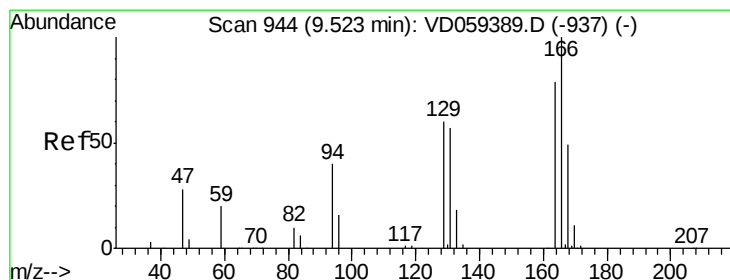
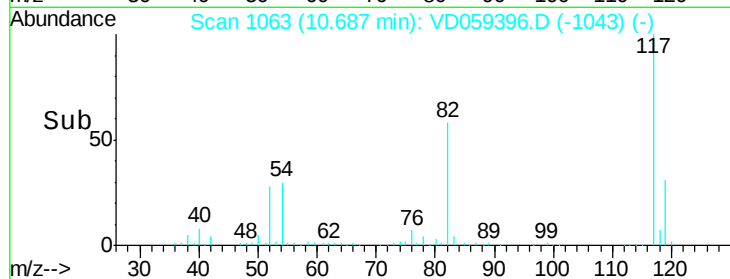
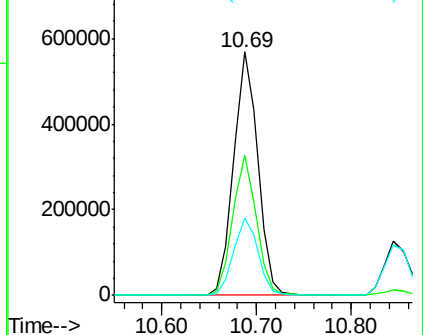
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1009558
Ion Ratio Lower Upper
117 100
82 57.6 49.0 73.6
119 31.5 26.2 39.4

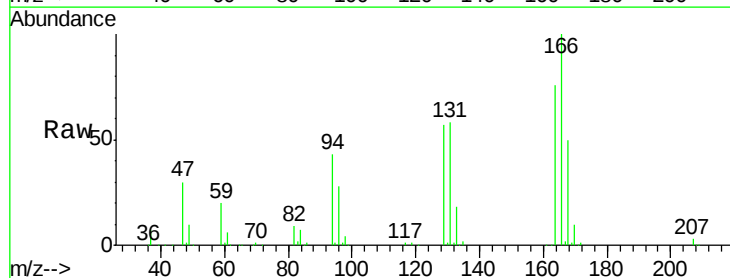


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

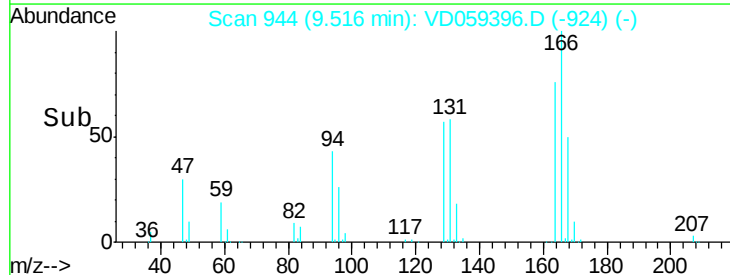
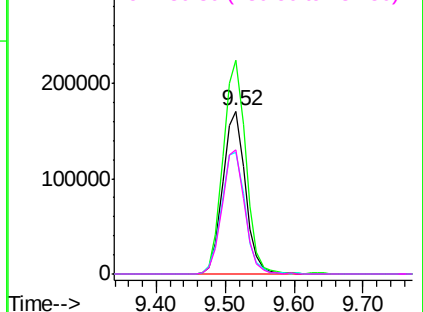


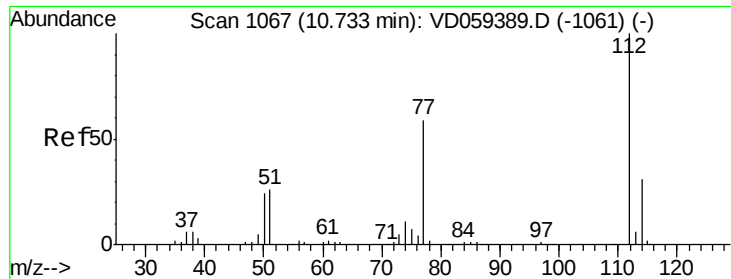
#64
Tetrachloroethene
Concen: 43.74 ug/l
RT: 9.52 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:164 Resp: 387382
Ion Ratio Lower Upper
164 100
166 131.2 101.4 152.2
129 75.0 60.9 91.3
131 76.0 58.2 87.4



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

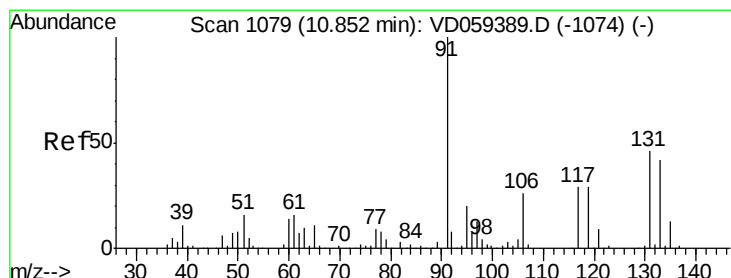
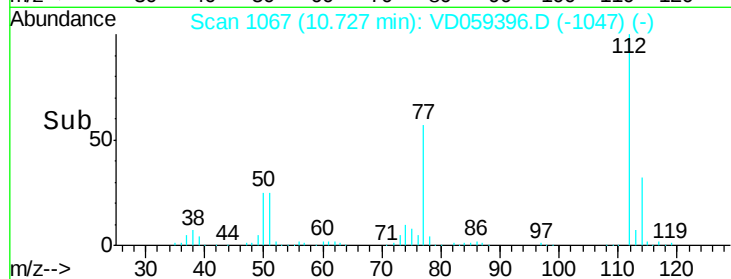
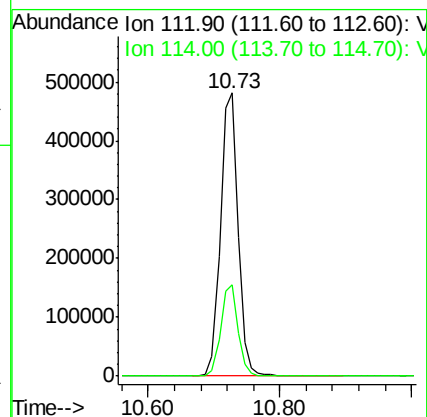
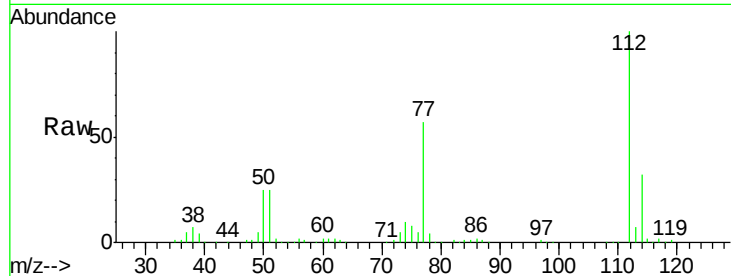




#65
Chlorobenzene
Concen: 48.08 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

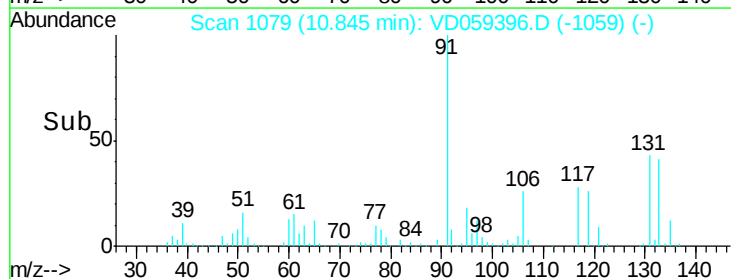
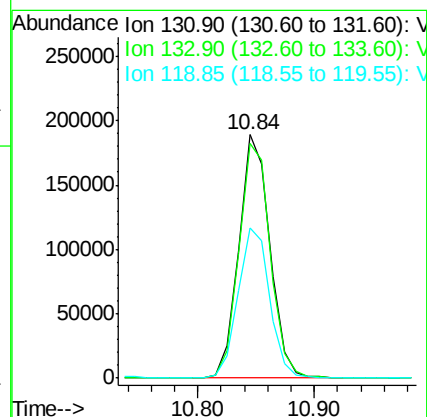
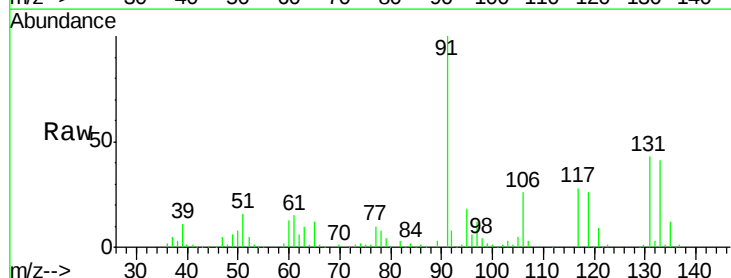
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

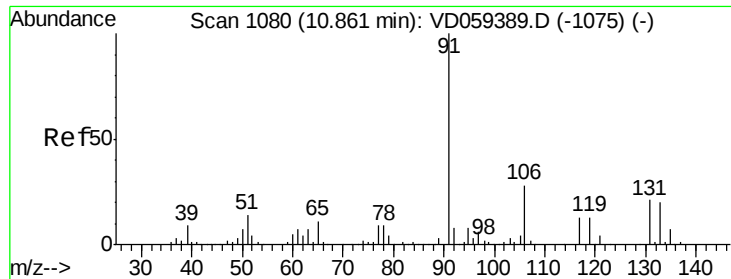
Tot Ion:112 Resp: 887605
Ion Ratio Lower Upper
112 100
114 32.5 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.95 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:131 Resp: 346832
Ion Ratio Lower Upper
131 100
133 96.5 45.7 137.1
119 61.6 32.3 96.9

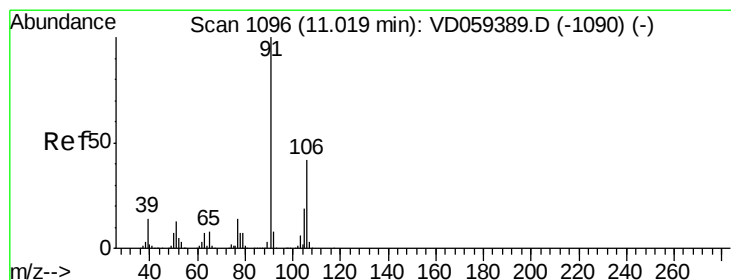
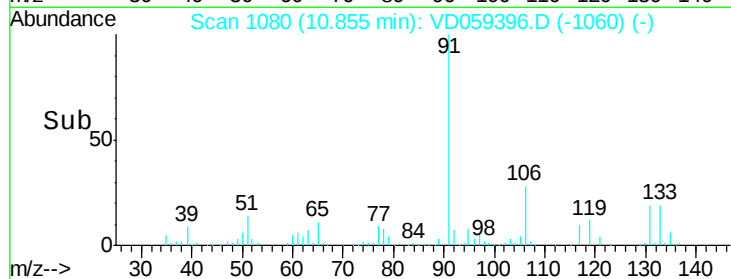
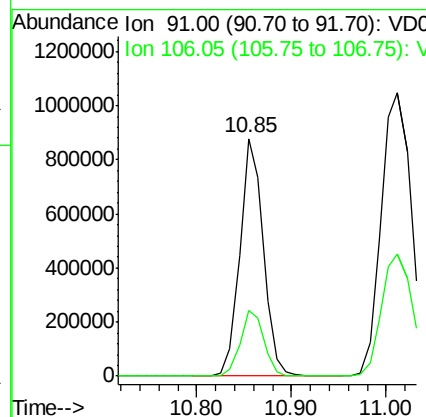
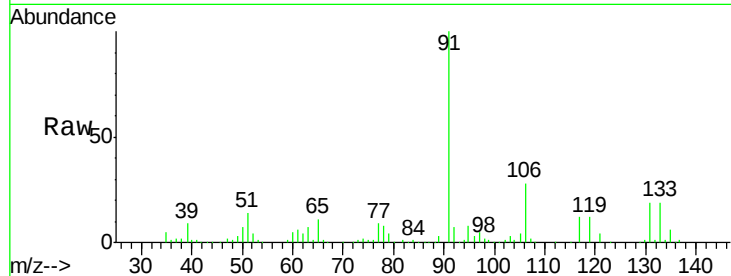




#67
Ethyl Benzene
Concen: 48.28 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

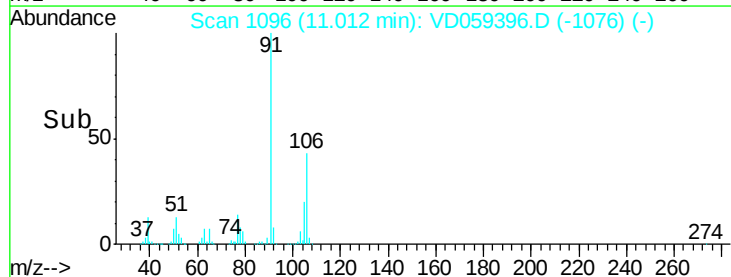
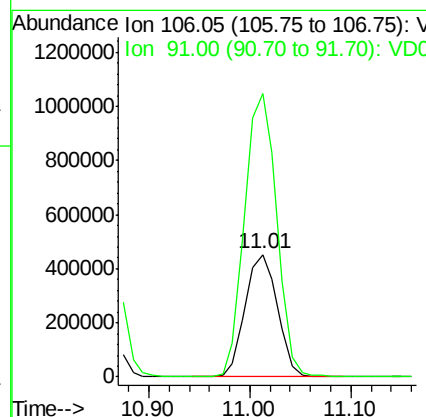
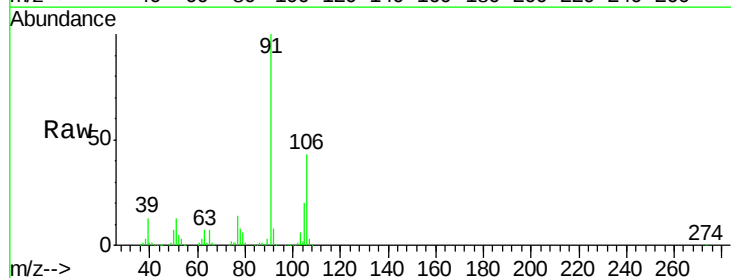
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

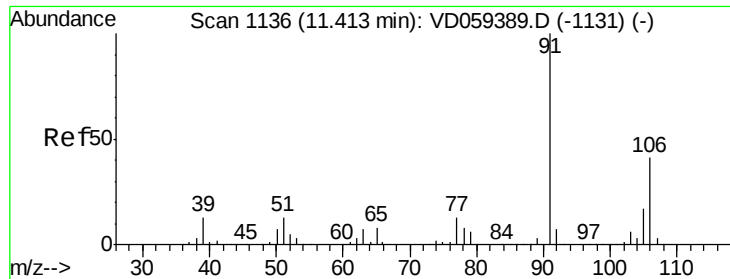
Tot Ion: 91 Resp: 1503918
Ion Ratio Lower Upper
91 100
106 27.7 22.3 33.5



#68
m/p-Xylenes
Concen: 97.80 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 106 Resp: 1010735
Ion Ratio Lower Upper
106 100
91 231.1 191.0 286.6

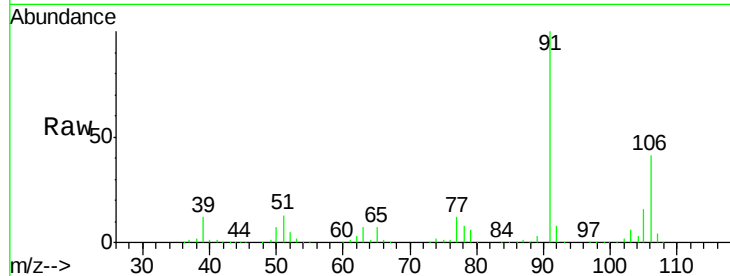




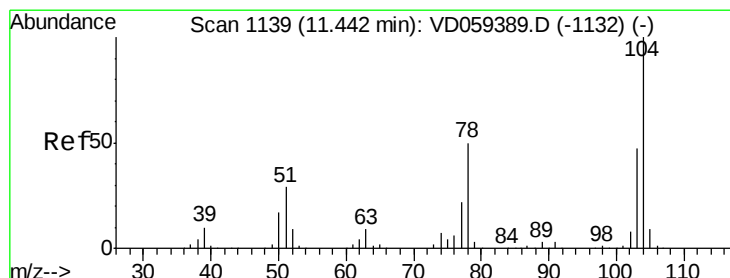
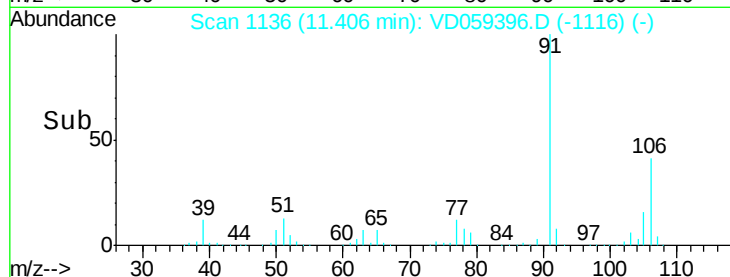
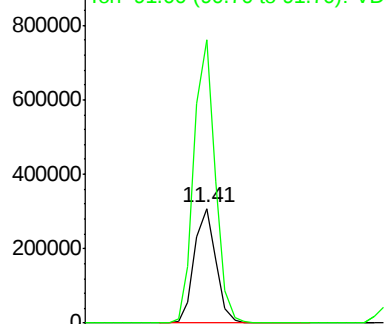
#69
o-Xylene
Concen: 47.93 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 489763
Ion Ratio Lower Upper
106 100
91 246.2 121.0 362.8

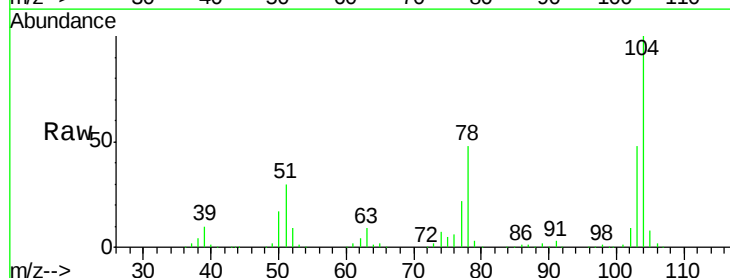


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

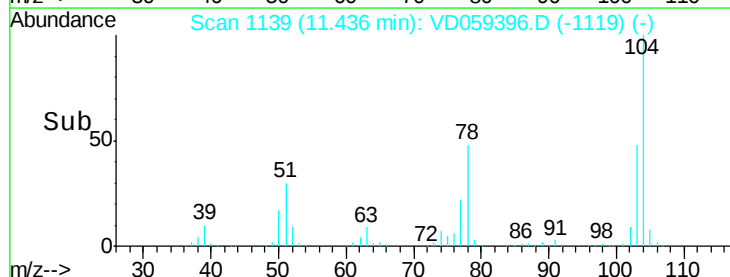
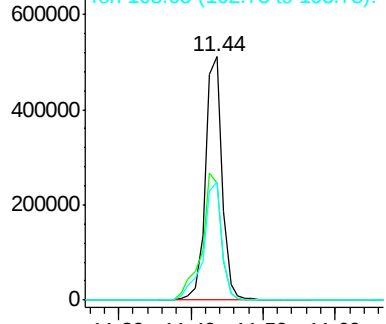


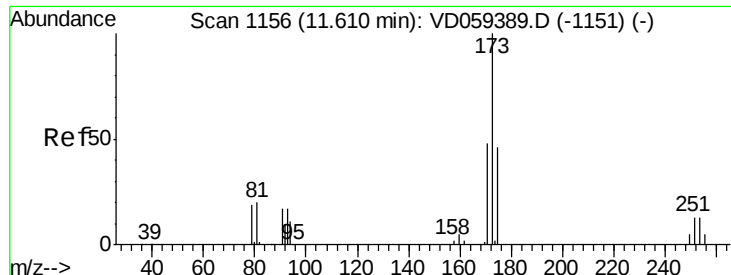
#70
Styrene
Concen: 47.20 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:104 Resp: 826758
Ion Ratio Lower Upper
104 100
78 48.0 40.2 60.4
103 48.4 37.8 56.8



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

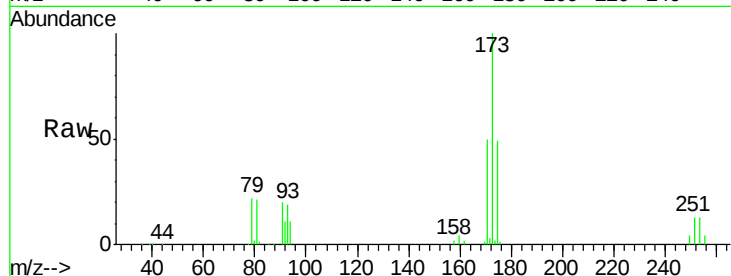




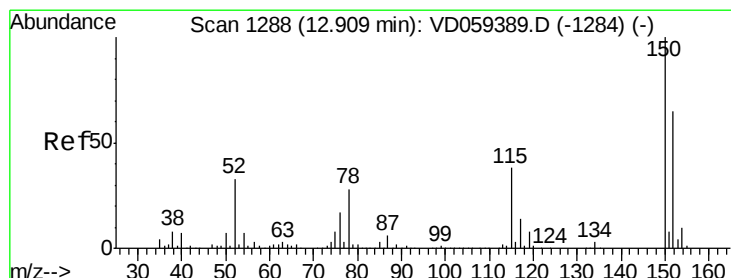
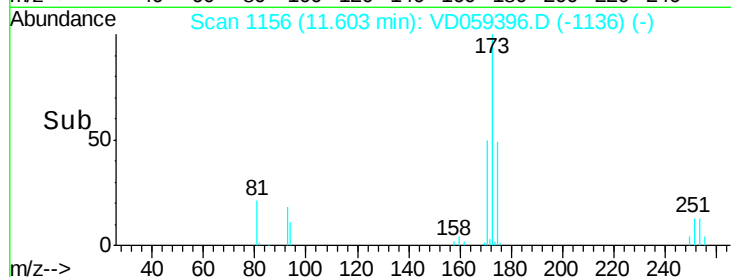
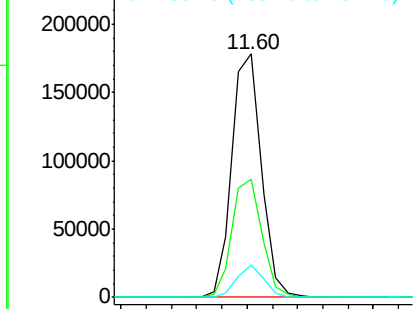
#71
Bromoform
Concen: 48.94 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 287261
Ion Ratio Lower Upper
173 100
175 48.6 22.8 68.4
254 13.4 10.1 15.1

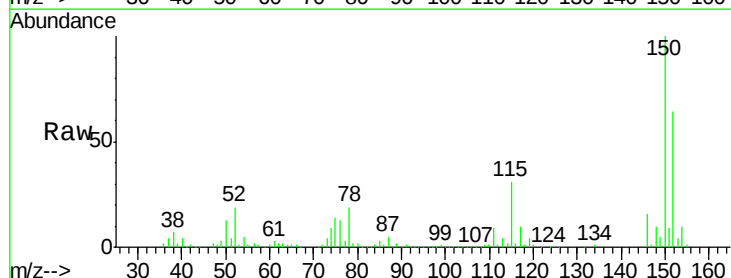


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

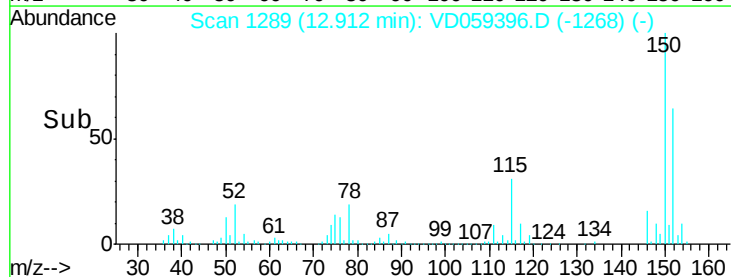
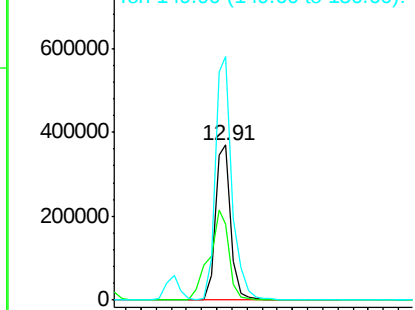


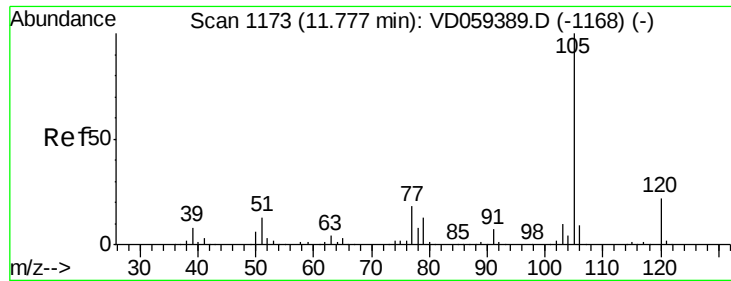
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion:152 Resp: 531058
Ion Ratio Lower Upper
152 100
115 49.0 29.4 88.3
150 157.3 0.0 308.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

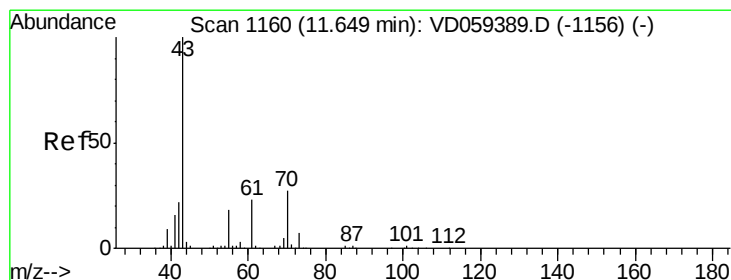
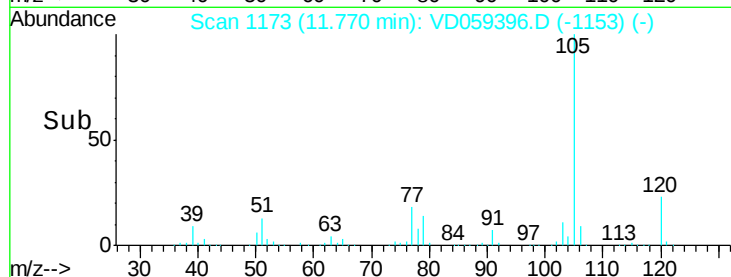
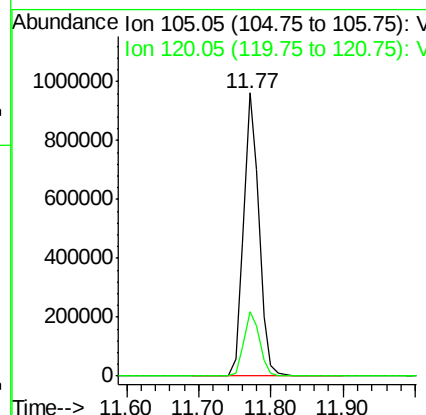
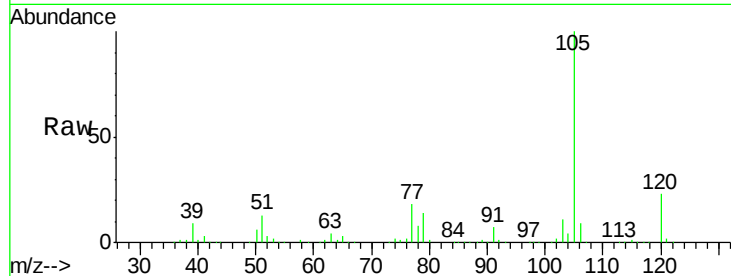




#73
Isopropylbenzene
Concen: 47.96 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

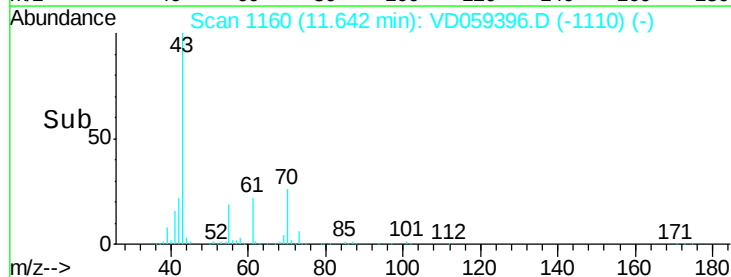
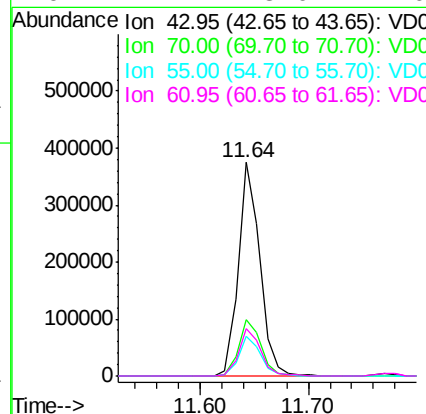
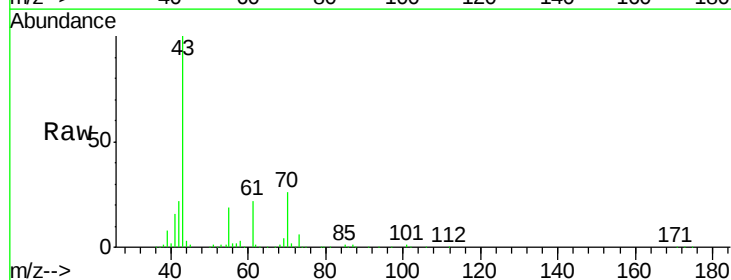
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

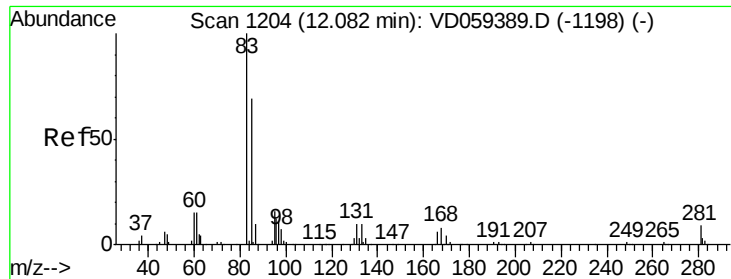
Tot Ion:105 Resp: 1437227
Ion Ratio Lower Upper
105 100
120 22.7 11.0 33.0



#74
N-ethyl acetate
Concen: 45.85 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 43 Resp: 522834
Ion Ratio Lower Upper
43 100
70 26.3 21.7 32.5
55 18.6 14.6 22.0
61 22.4 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.34 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

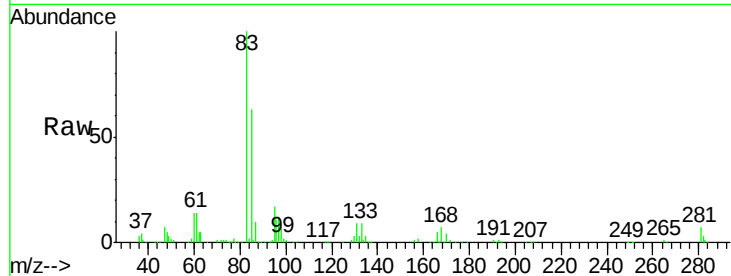
Tot Ion: 83 Resp: 318771

Ion Ratio Lower Upper

83 100

131 9.1 4.9 14.6

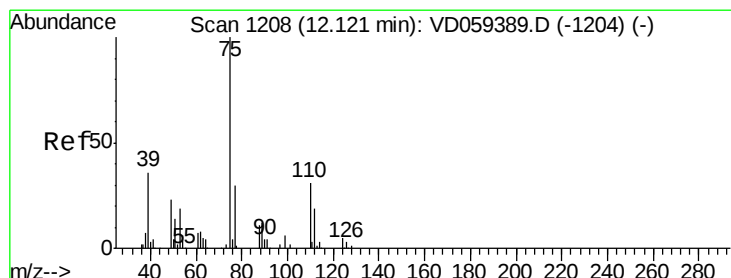
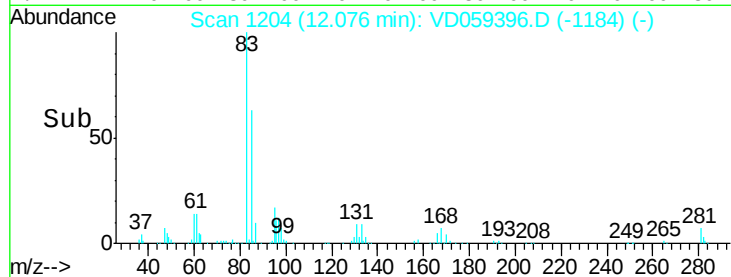
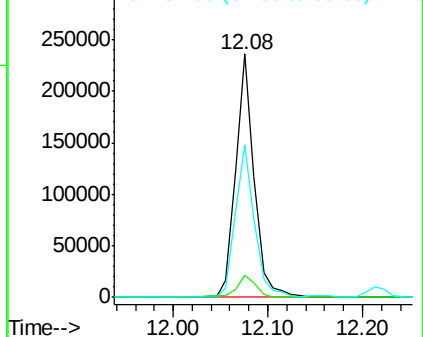
85 62.7 34.6 103.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 46.26 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059396.D

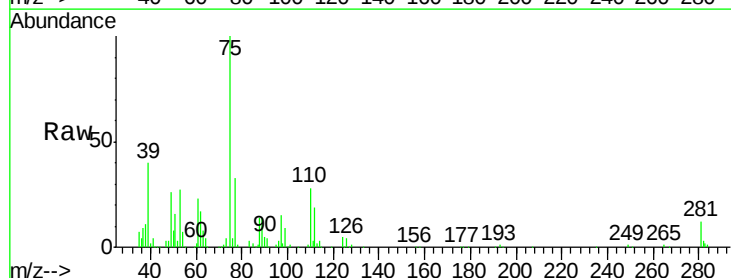
Acq: 25 Jun 2018 12:50

Tgt Ion: 75 Resp: 338850

Ion Ratio Lower Upper

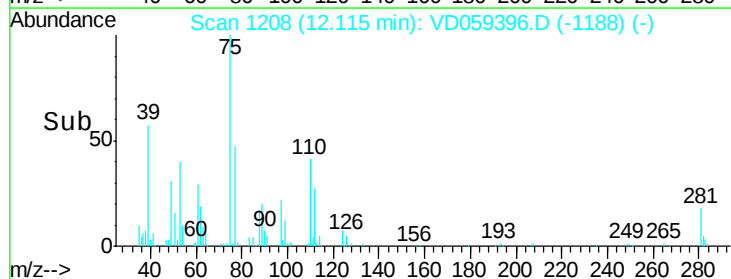
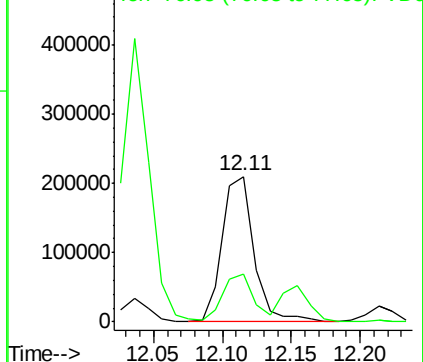
75 100

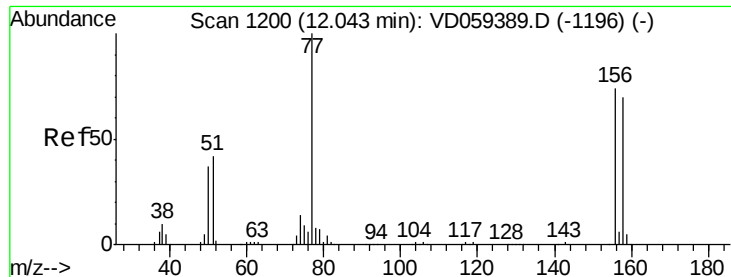
77 32.7 15.6 46.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 46.34 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

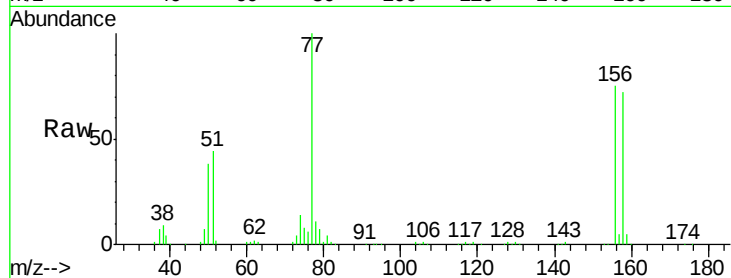
Tot Ion:156 Resp: 437094

Ion Ratio Lower Upper

156 100

77 132.8 68.0 203.8

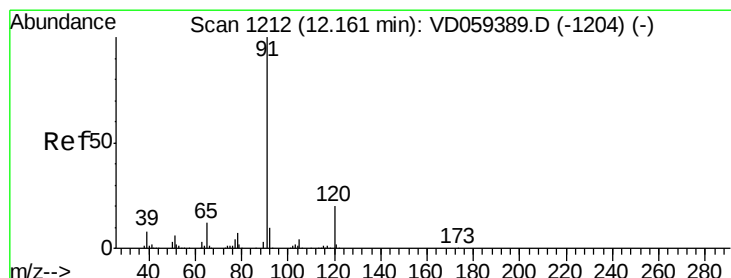
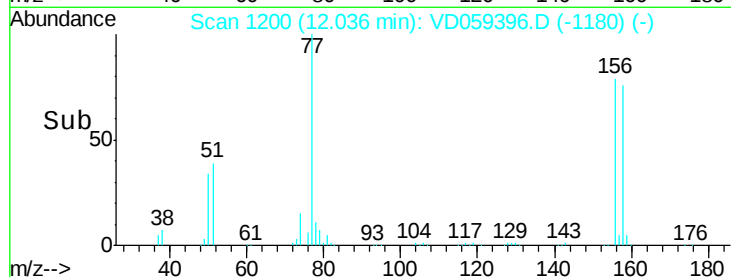
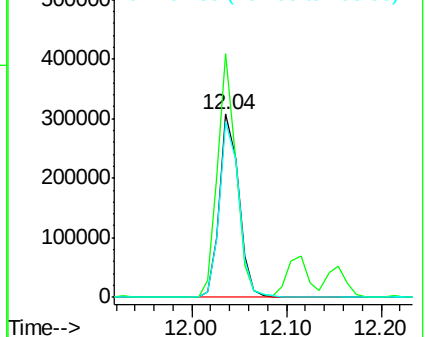
158 96.1 47.7 143.1



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: 47.10 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059396.D

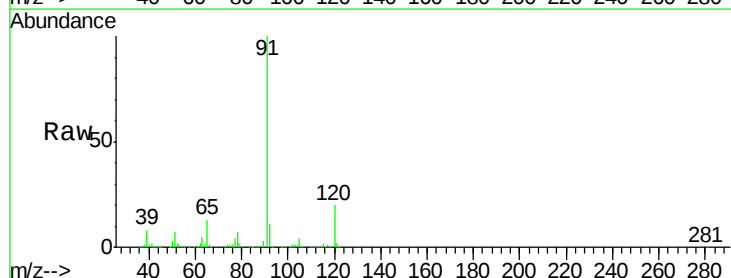
Acq: 25 Jun 2018 12:50

Tgt Ion: 91 Resp: 1787693

Ion Ratio Lower Upper

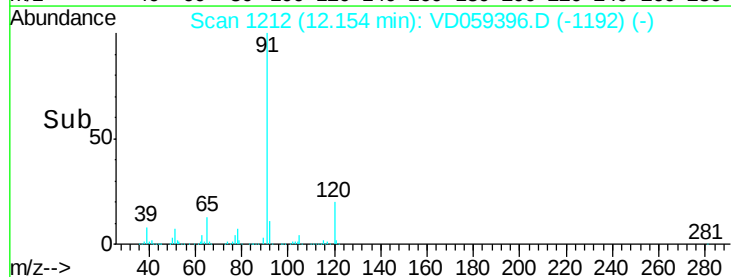
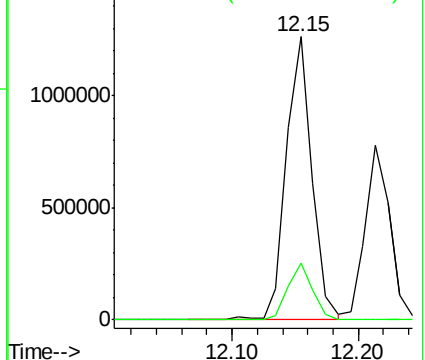
91 100

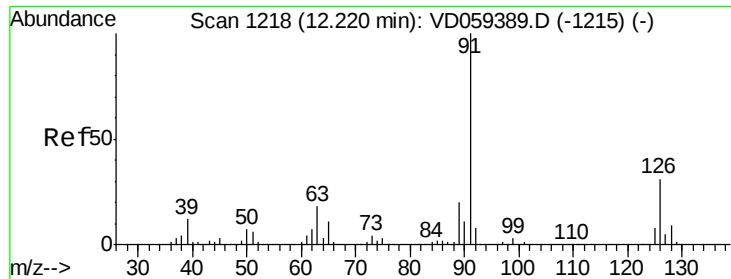
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

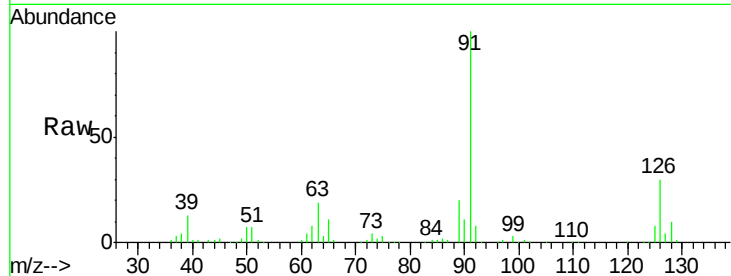




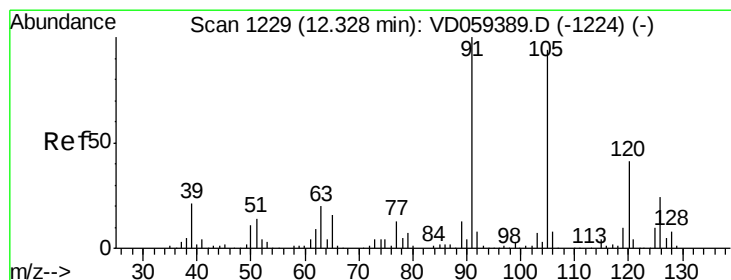
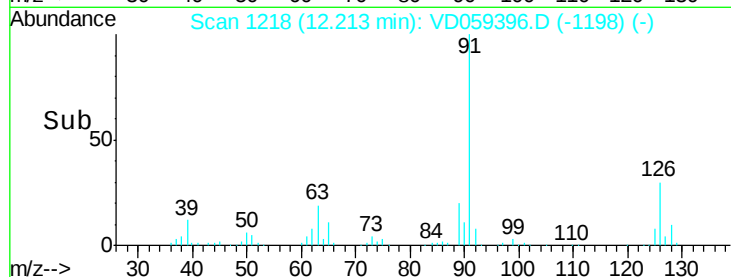
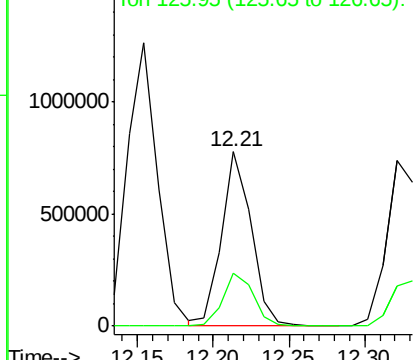
#79
 2-Chlorotoluene
 Concen: 47.60 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1061064
 Ion Ratio Lower Upper
 91 100
 126 30.2 15.2 45.5

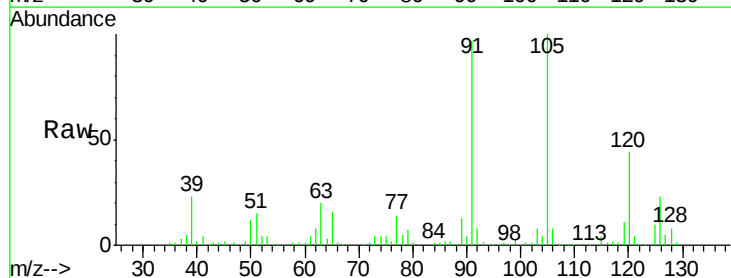


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

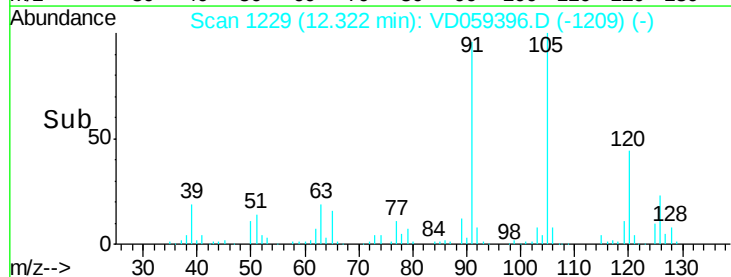
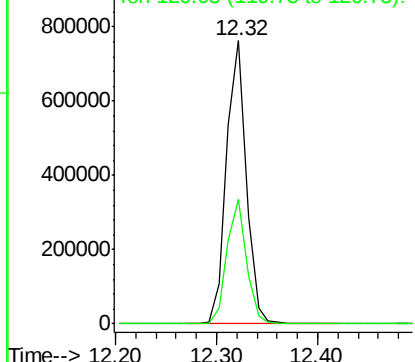


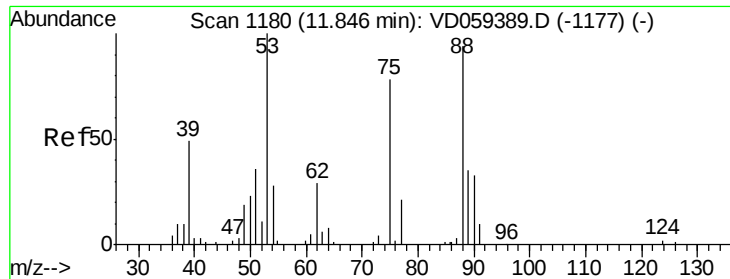
#80
 1,3,5-Trimethylbenzene
 Concen: 43.37 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion: 105 Resp: 1034690
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 53.39 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

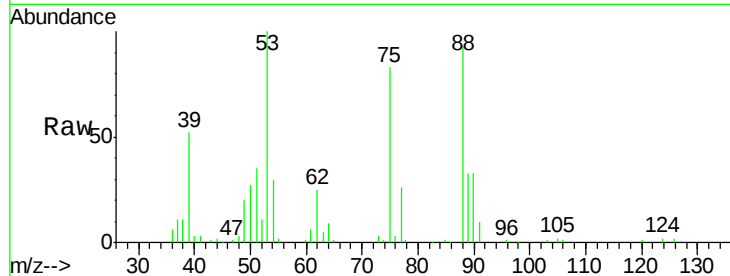
Tot Ion: 75 Resp: 88886

Ion Ratio Lower Upper

75 100

53 120.9 102.6 154.0

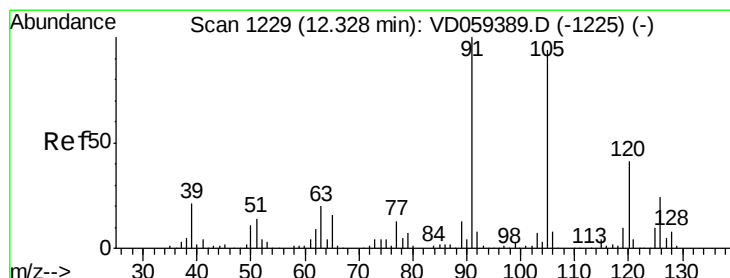
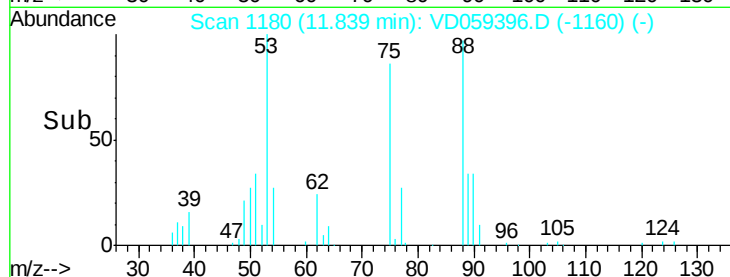
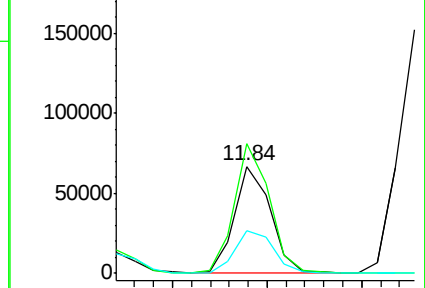
89 39.6 35.9 53.9



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: 43.73 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059396.D

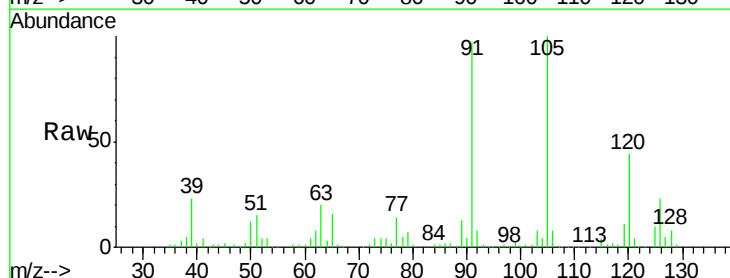
Acq: 25 Jun 2018 12:50

Tgt Ion: 91 Resp: 1105216

Ion Ratio Lower Upper

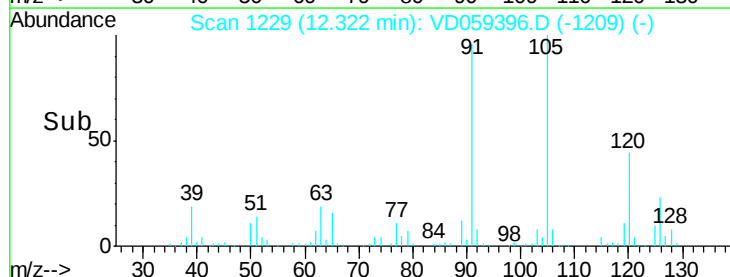
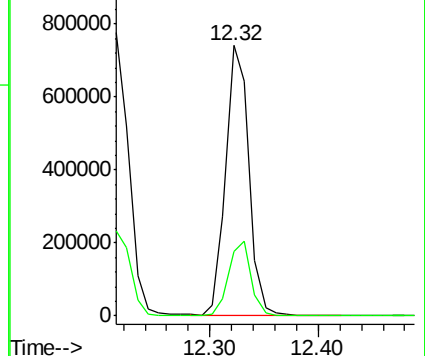
91 100

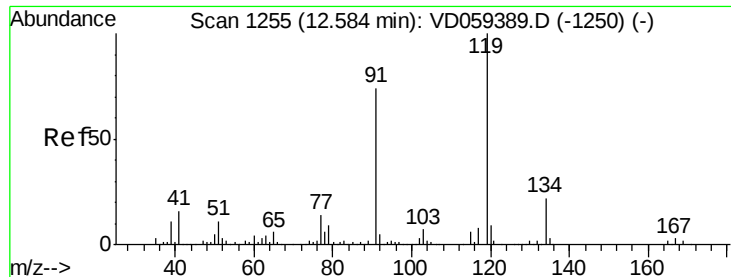
126 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

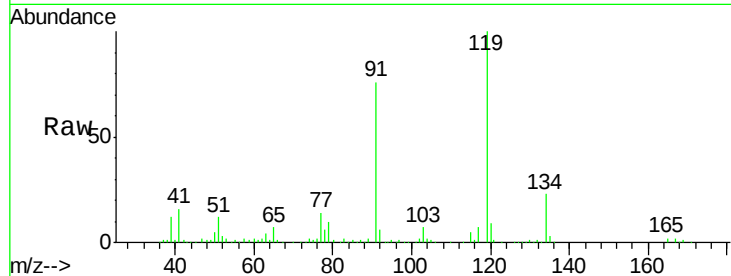




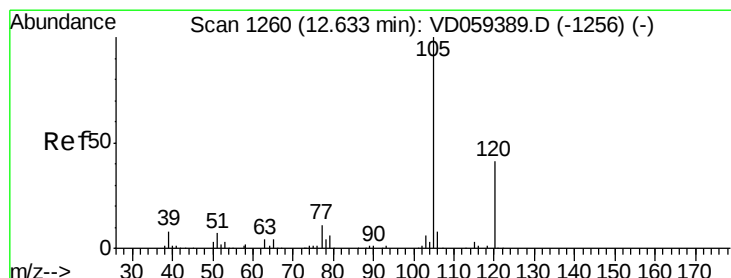
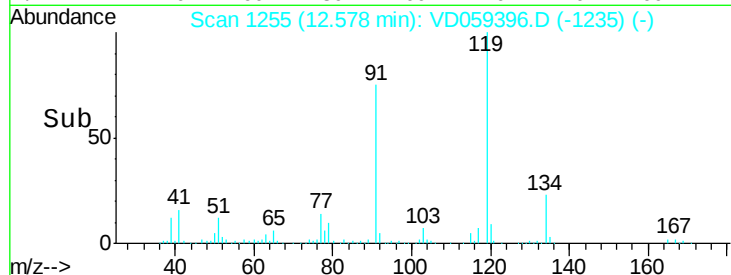
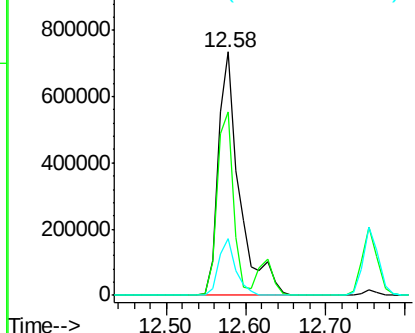
#83
 tert-Butylbenzene
 Concen: 53.95 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1369181
 Ion Ratio Lower Upper
 119 100
 91 75.5 36.9 110.7
 134 23.2 11.2 33.6

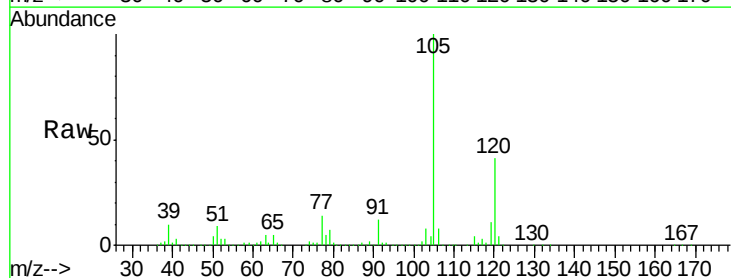


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

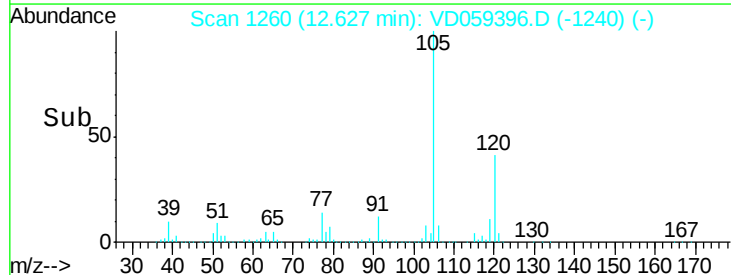
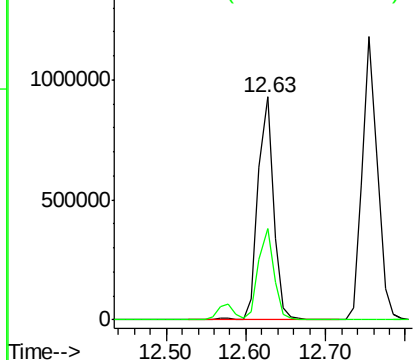


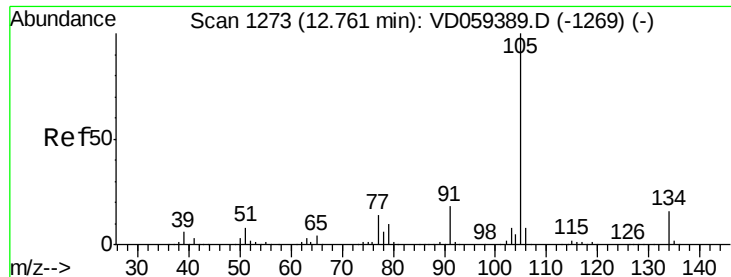
#84
 1,2,4-Trimethylbenzene
 Concen: 48.85 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:105 Resp: 1233457
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.5 64.5



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

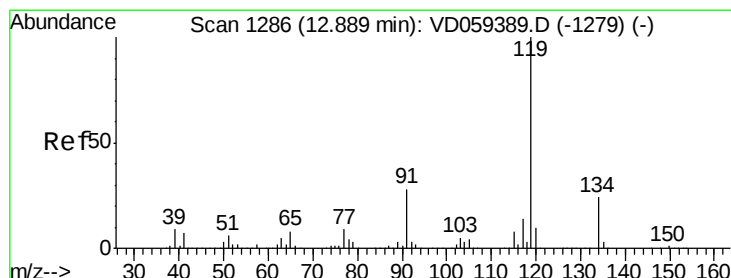
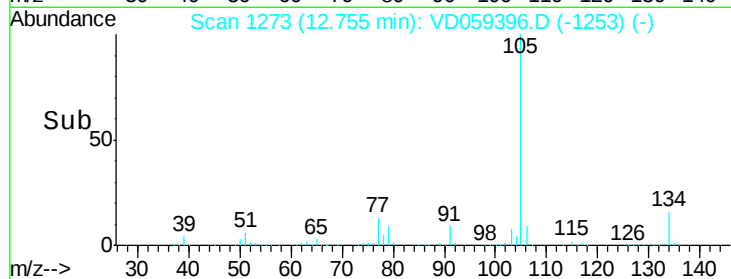
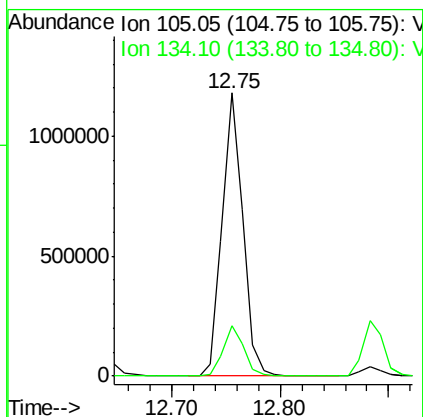
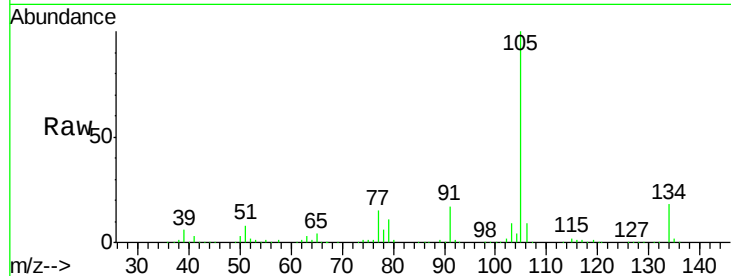




#85
 sec-Butylbenzene
 Concen: 50.23 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

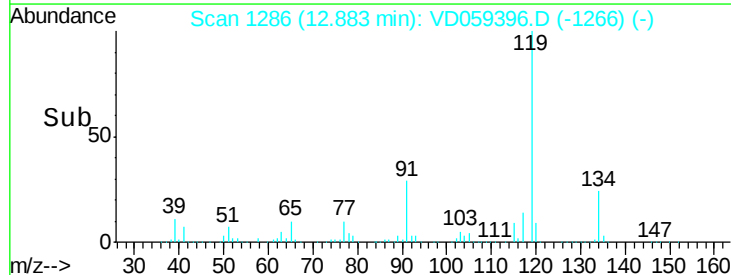
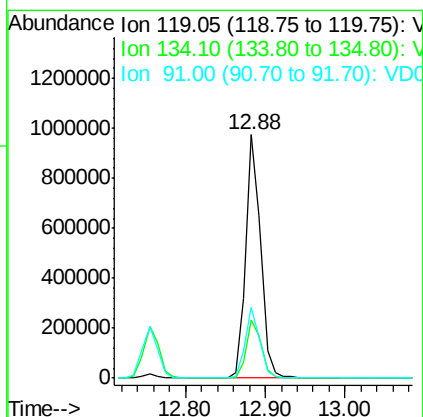
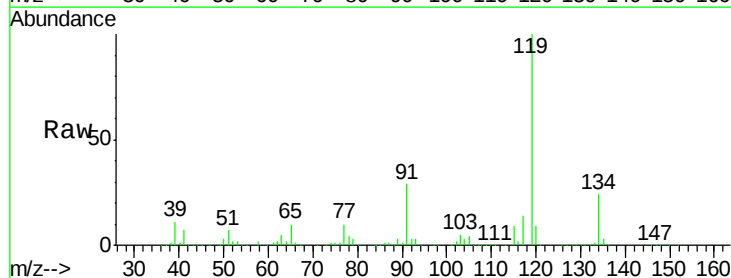
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1564276
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 50.01 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:119 Resp: 1255181
 Ion Ratio Lower Upper
 119 100
 134 23.6 11.9 35.5
 91 29.1 14.1 42.4

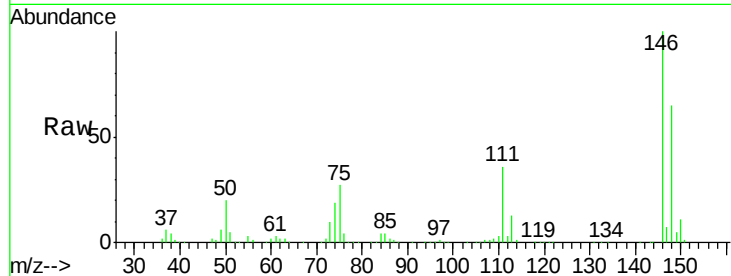




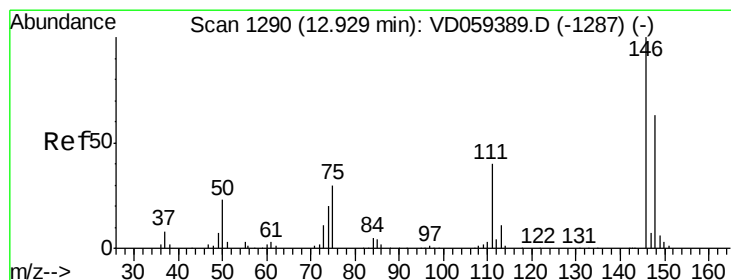
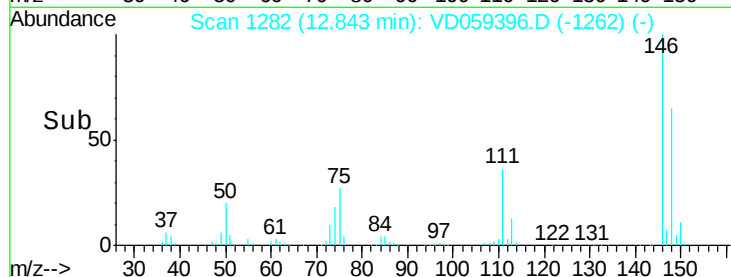
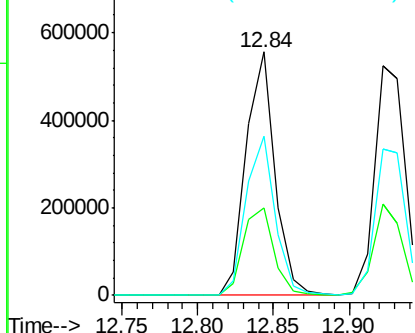
#87
 1,3-Dichlorobenzene
 Concen: 47.71 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 740356
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.6 52.8
 148 65.3 32.4 97.2

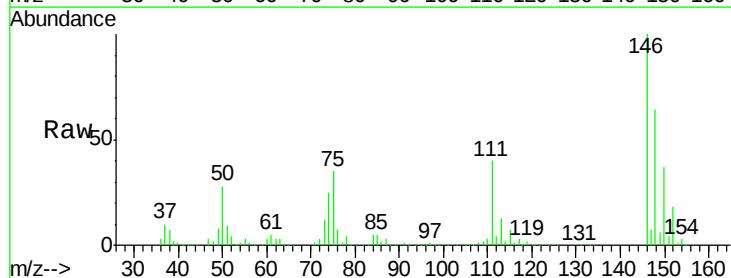


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

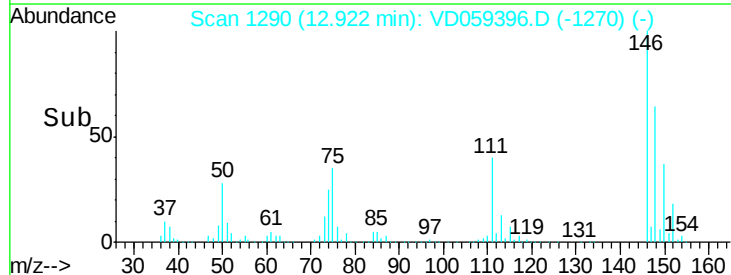
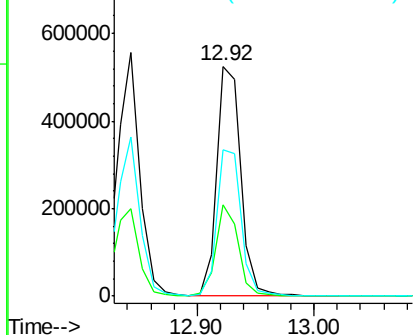


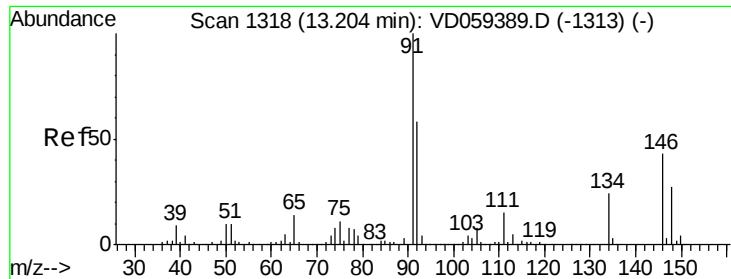
#88
 1,4-Dichlorobenzene
 Concen: 48.83 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:146 Resp: 747752
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.1 60.2
 148 63.7 31.4 94.0



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

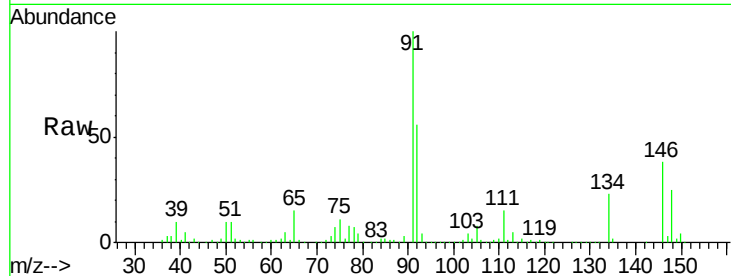




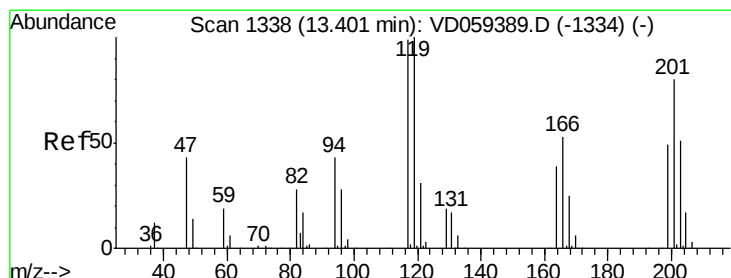
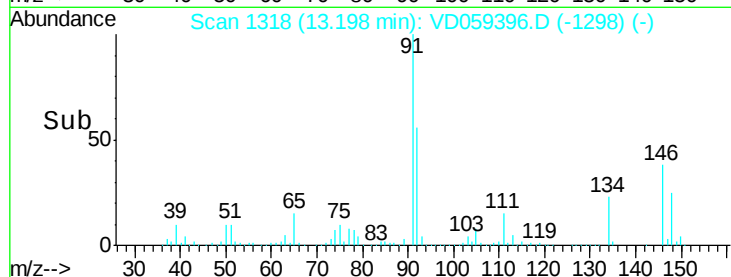
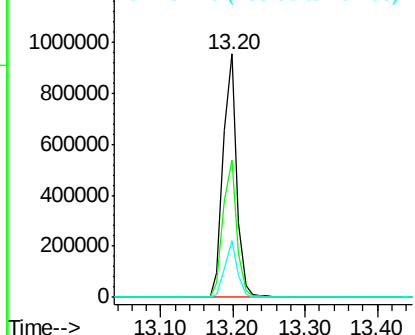
#89
n-Butylbenzene
Concen: 49.57 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1228031
Ion Ratio Lower Upper
91 100
92 56.2 28.8 86.5
134 23.4 11.9 35.7

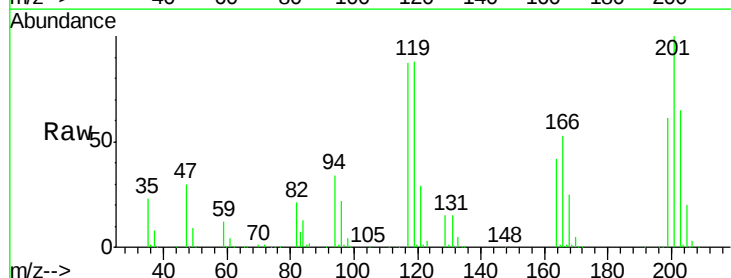


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

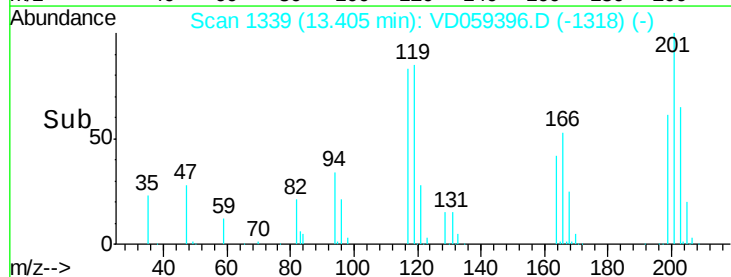
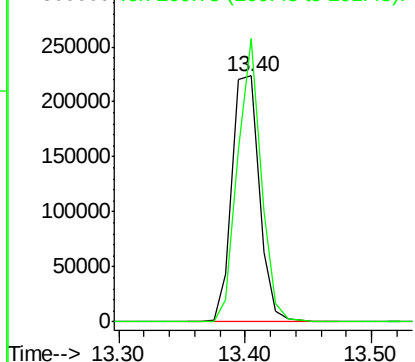


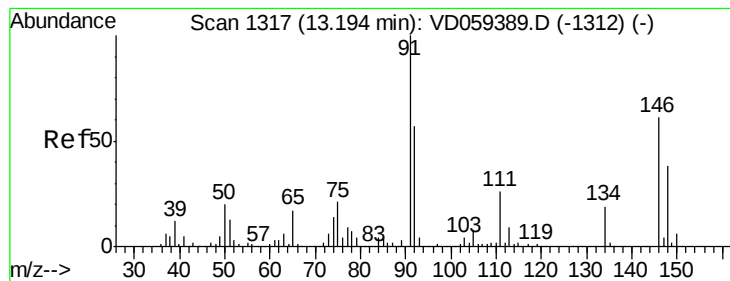
#90
Hexachloroethane
Concen: 53.49 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059396.D
Acq: 25 Jun 2018 12:50

Tgt Ion: 117 Resp: 334985
Ion Ratio Lower Upper
117 100
201 115.2 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 44.55 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

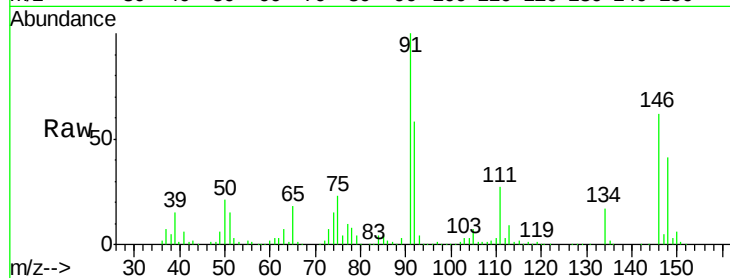
Tot Ion:146 Resp: 586136

Ion Ratio Lower Upper

146 100

111 43.5 21.4 64.2

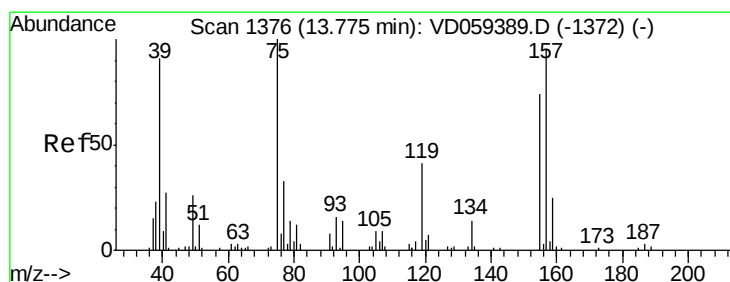
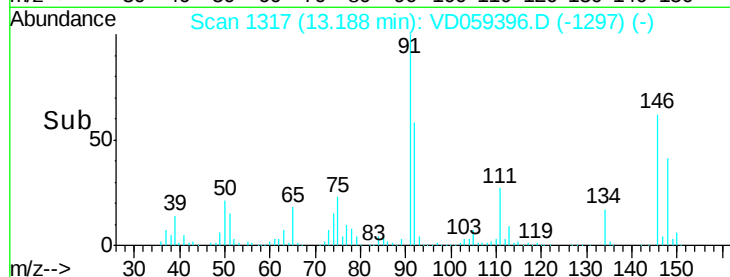
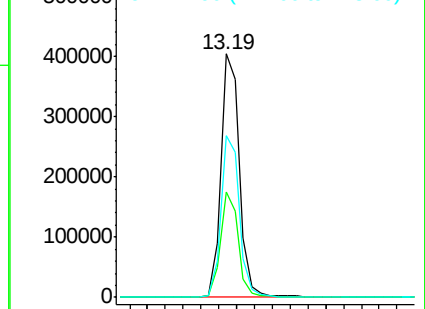
148 66.2 31.6 95.0



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: 49.04 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

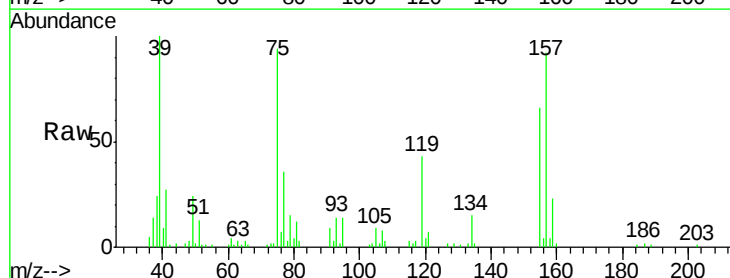
Tgt Ion: 75 Resp: 56853

Ion Ratio Lower Upper

75 100

155 70.2 37.2 111.6

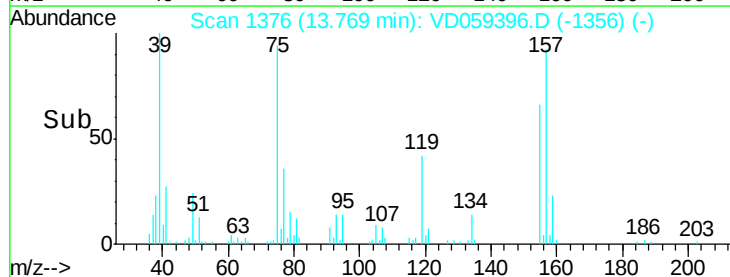
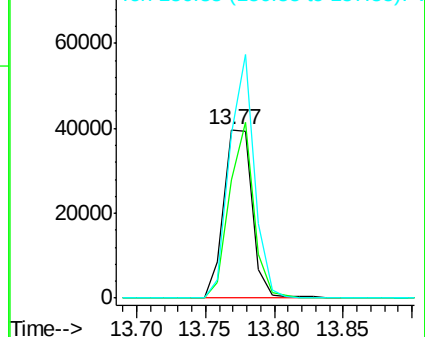
157 97.8 47.4 142.2

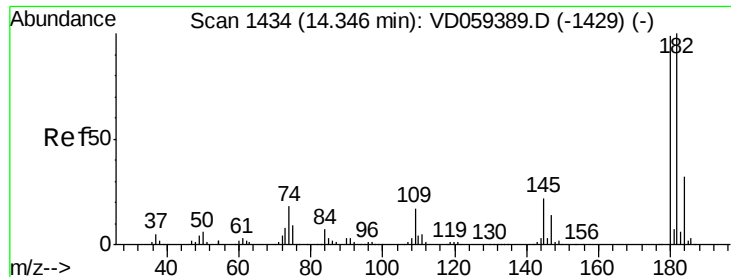


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

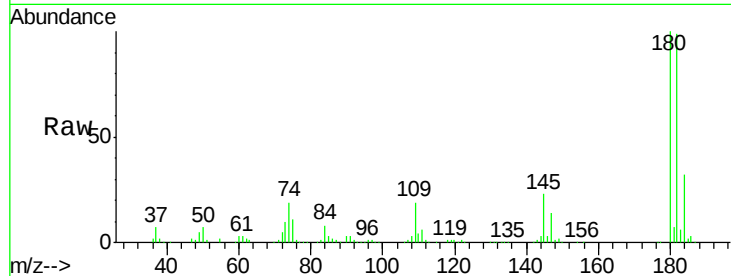




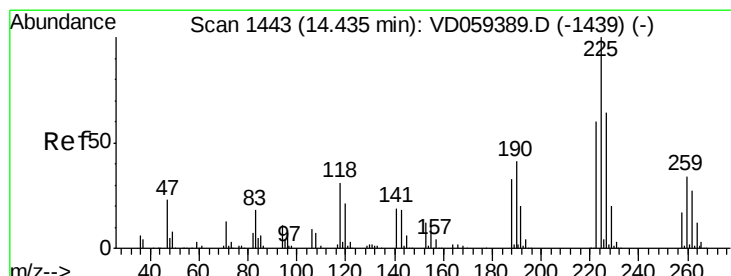
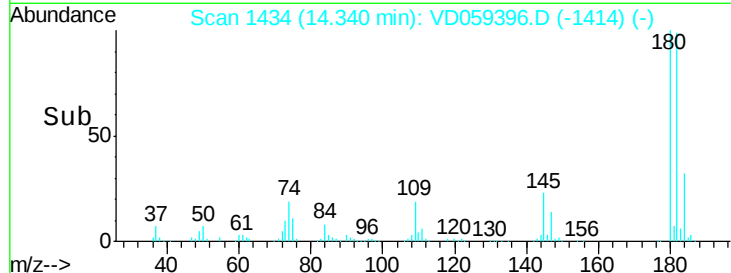
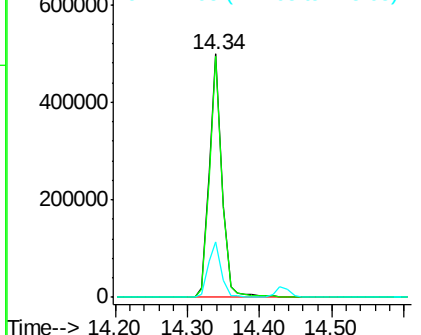
#93
 1,2,4-Trichlorobenzene
 Concen: 49.67 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 604202
 Ion Ratio Lower Upper
 180 100
 182 98.9 50.4 151.2
 145 22.8 11.0 33.0

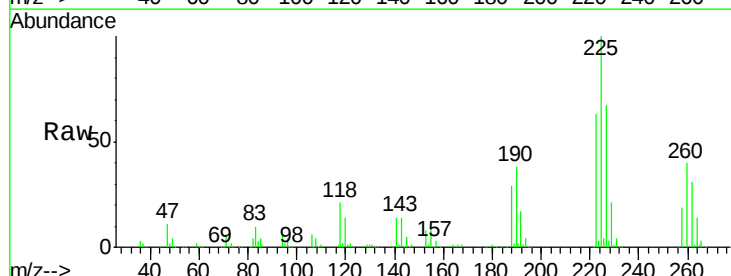


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

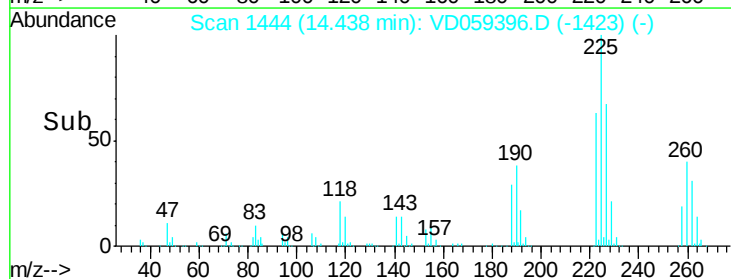
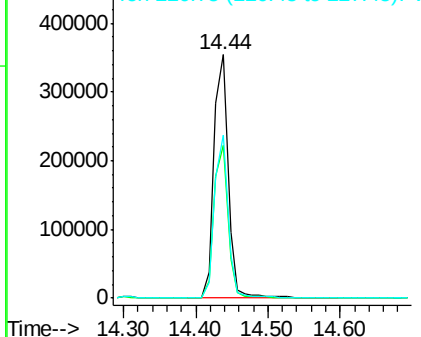


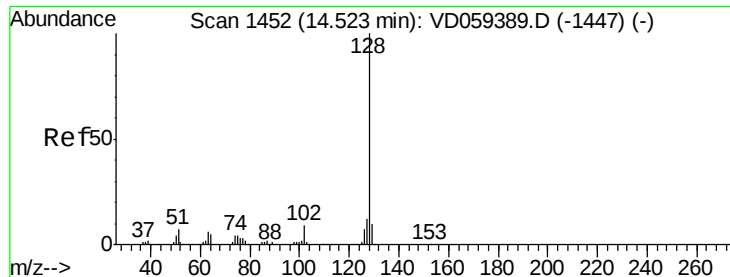
#94
 Hexachlorobutadiene
 Concen: 52.64 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059396.D
 Acq: 25 Jun 2018 12:50

Tgt Ion:225 Resp: 481864
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.0 90.1
 227 66.7 32.1 96.5



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: 47.45 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

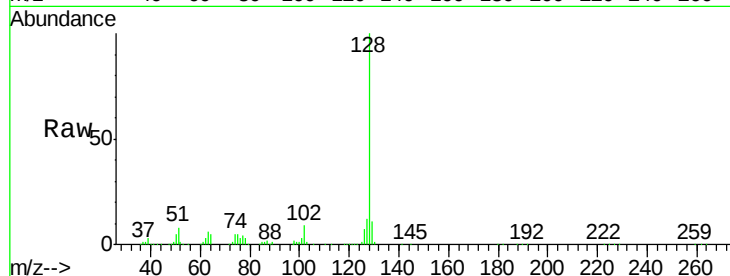
Tot Ion:128 Resp: 804463

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

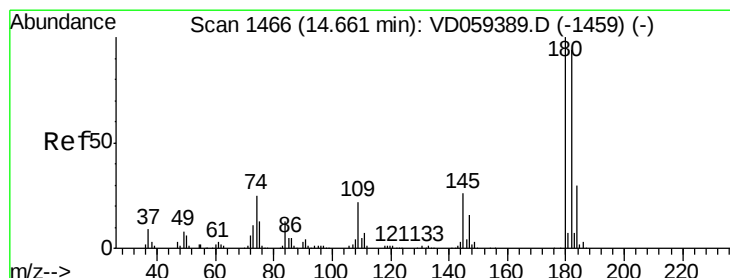
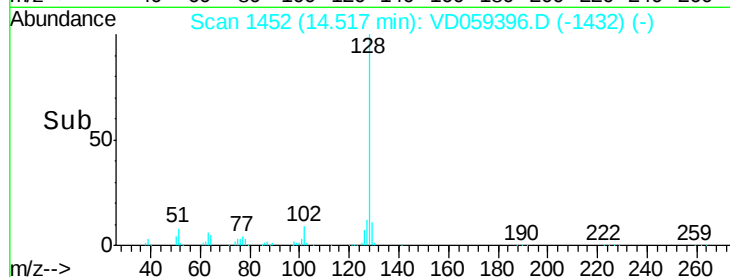
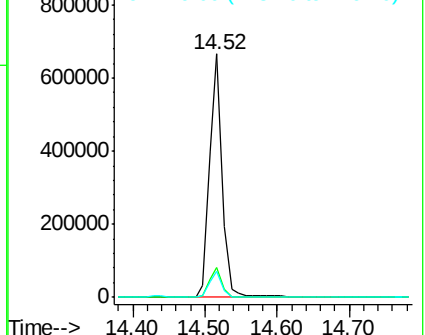
129 10.9 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.84 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059396.D

Acq: 25 Jun 2018 12:50

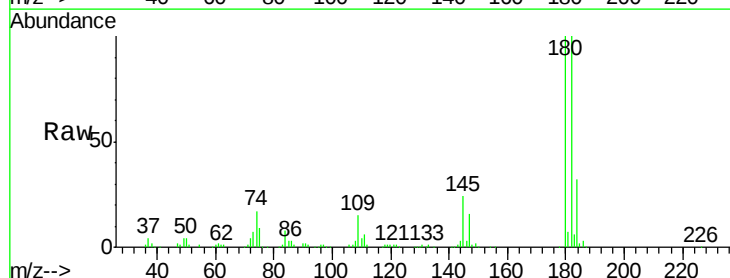
Tgt Ion:180 Resp: 534205

Ion Ratio Lower Upper

180 100

182 99.6 47.1 141.4

145 23.6 13.1 39.3



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

