

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002836.D
 Acq On : 22 Jun 2018 17:17
 Operator : JC/MD
 Sample : VX0622WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:24:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	211371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	276114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	165281	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
35) Dibromofluoromethane	5.51	113	131060	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
50) Toluene-d8	8.72	98	479013	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.14	95	158712	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

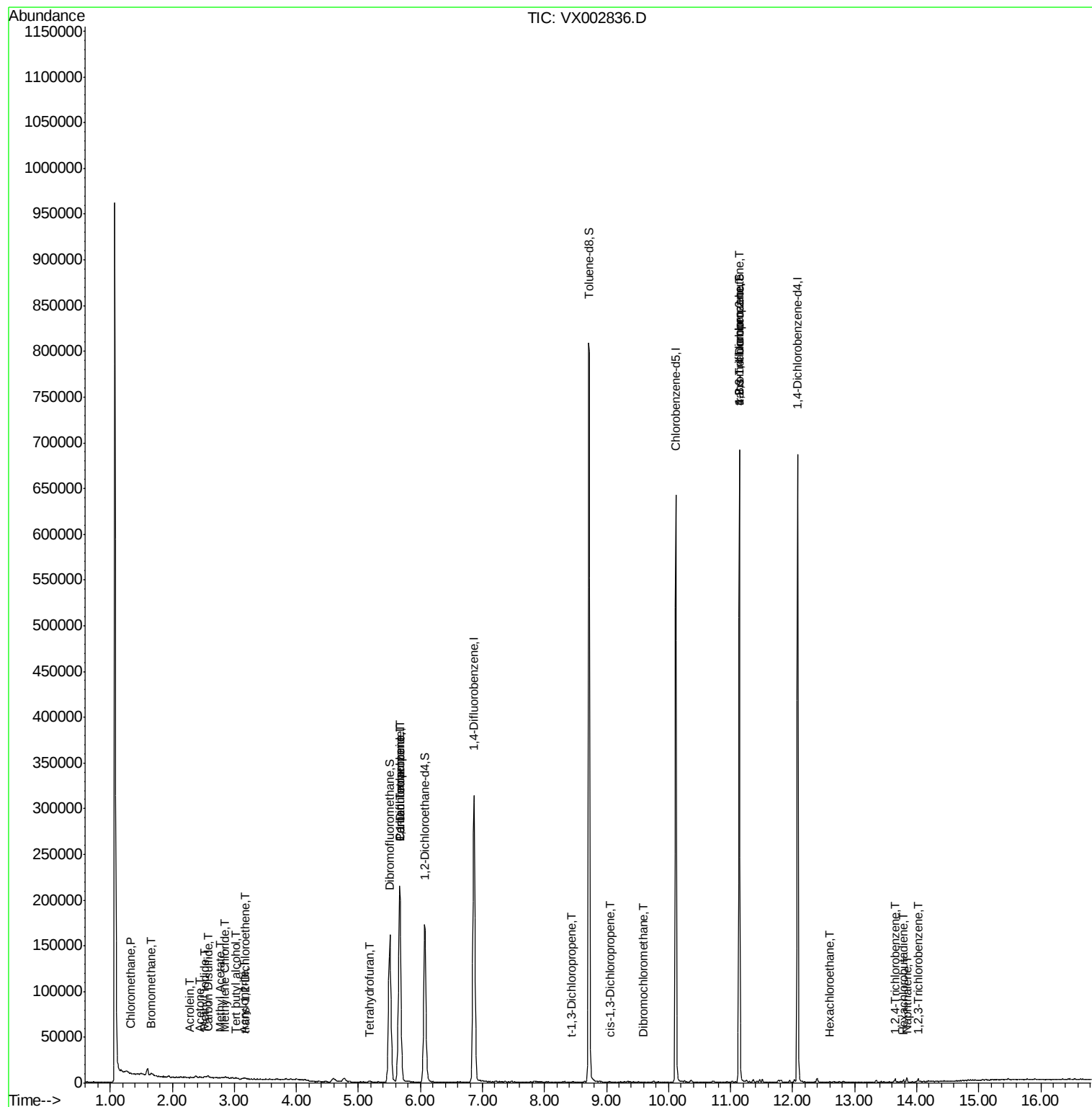
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	619	0.23	ug/l	98
5) Bromomethane	1.66	94	2259	1.35	ug/l	# 79
10) Methyl Iodide	2.52	142	2100	5.74	ug/l	# 91
11) Tert butyl alcohol	3.03	59	1180	1.78	ug/l	# 87
13) Acrolein	2.29	56	489	8.39	ug/l	99
15) Acrylonitrile	3.15	53	771	0.53	ug/l	98
16) Acetone	2.45	43	1277	0.90	ug/l	95
17) Carbon Disulfide	2.57	76	2095	0.37	ug/l	99
18) Methyl Acetate	2.78	43	765	0.20	ug/l	96
20) Methylene Chloride	2.85	84	617	0.21	ug/l	# 75
21) trans-1,2-Dichloroethene	3.17	96	582	0.23	ug/l	# 57
29) Tetrahydrofuran	5.17	42	906	0.74	ug/l	# 88
36) 1,1-Dichloropropene	5.67	75	14871	4.53	ug/l	# 52
38) Carbon Tetrachloride	5.66	117	19474	5.96	ug/l	# 16
53) t-1,3-Dichloropropene	8.44	75	192	2.44	ug/l	# 63
54) cis-1,3-Dichloropropene	9.06	75	273	3.28	ug/l	# 68
60) Dibromochloromethane	9.59	129	25	3.77	ug/l	# 11
76) 1,2,3-Trichloropropane	11.14	75	84960	31.18	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	84960	95.60	ug/l	# 7
90) Hexachloroethane	12.59	117	79	2.68	ug/l	# 1
93) 1,2,4-Trichlorobenzene	13.65	180	972	0.27	ug/l	91
94) Hexachlorobutadiene	13.78	225	452	0.24	ug/l	84
95) Naphthalene	13.84	128	2367	0.24	ug/l	# 94
96) 1,2,3-Trichlorobenzene	14.02	180	892	0.25	ug/l	98

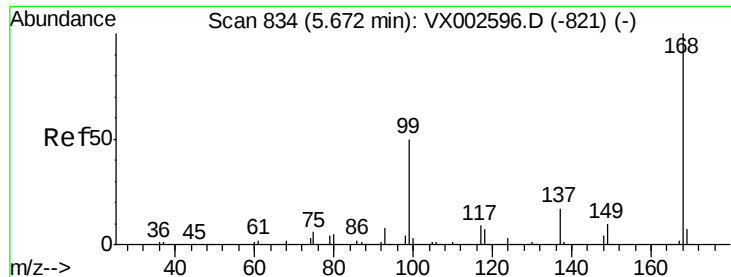
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062218\
Data File : VX002836.D
Acq On : 22 Jun 2018 17:17
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 23 00:24:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

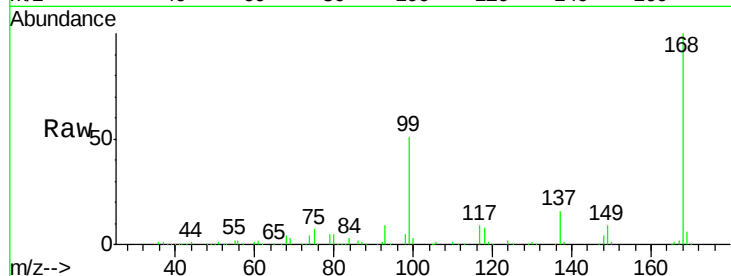
ClientSampled :

Tot Ion:168 Resp: 211371

Ion Ratio Lower Upper

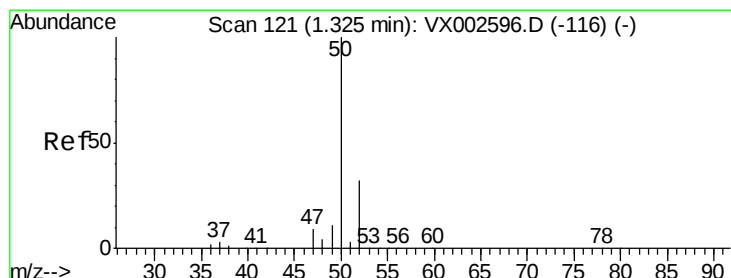
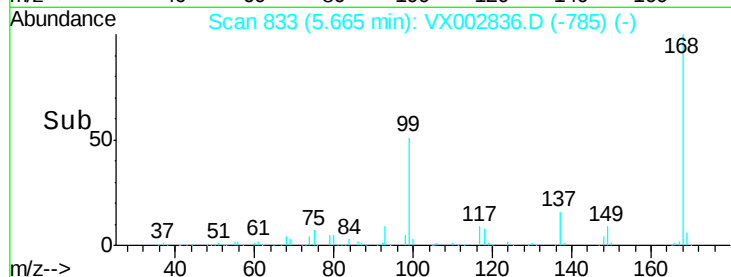
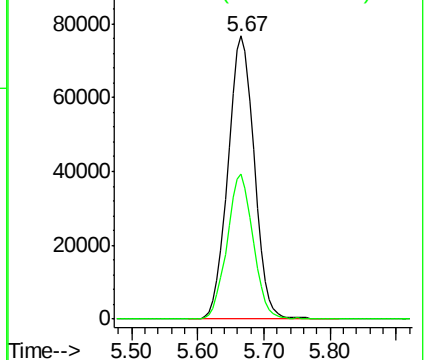
168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002836.D

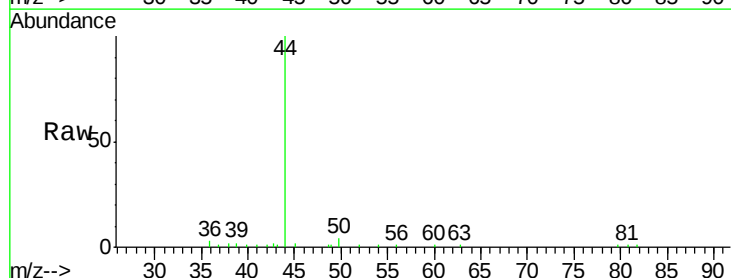
Acq: 22 Jun 2018 17:17

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

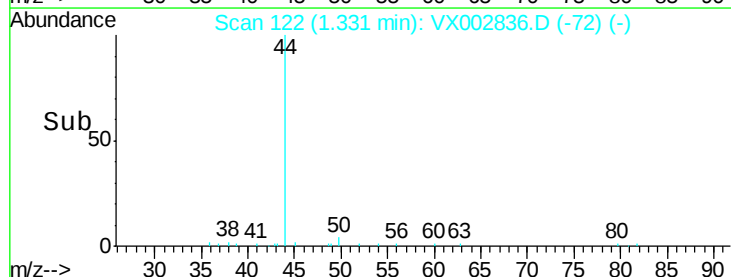
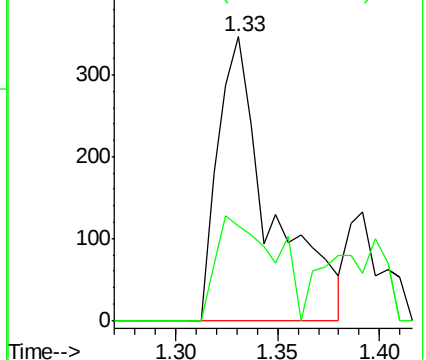
50 100

52 33.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.35 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

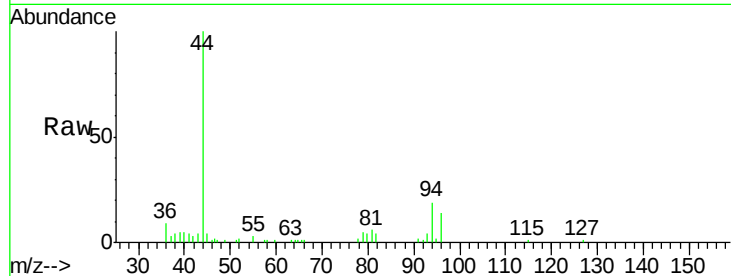
ClientSampleId :

Tot Ion: 94 Resp: 2259

Ion Ratio Lower Upper

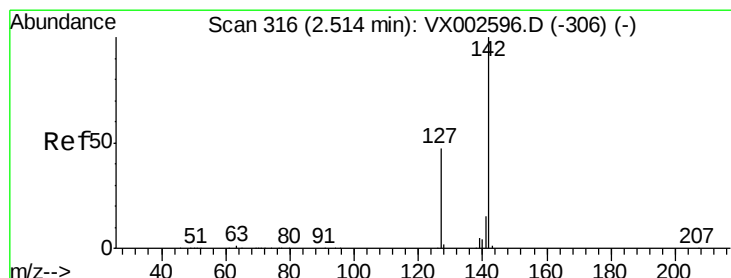
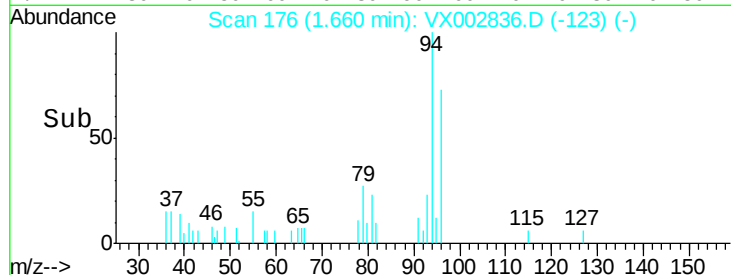
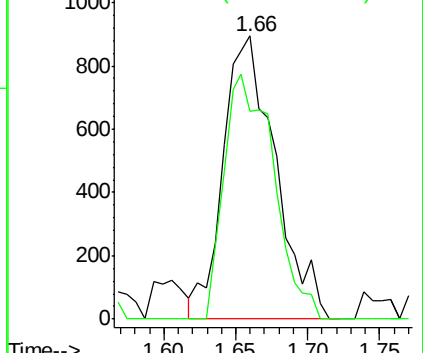
94 100

96 73.5 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 5.74 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

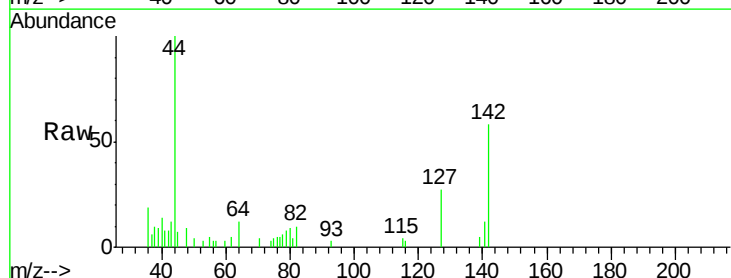
Tgt Ion:142 Resp: 2100

Ion Ratio Lower Upper

142 100

127 50.6 36.6 55.0

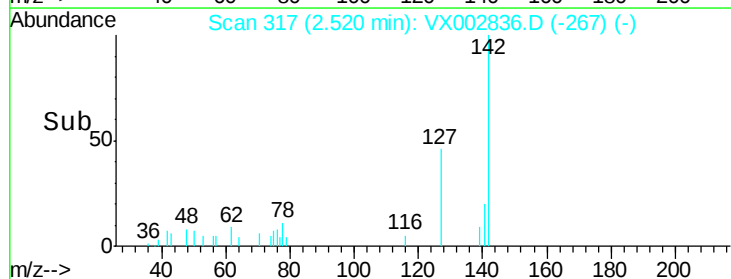
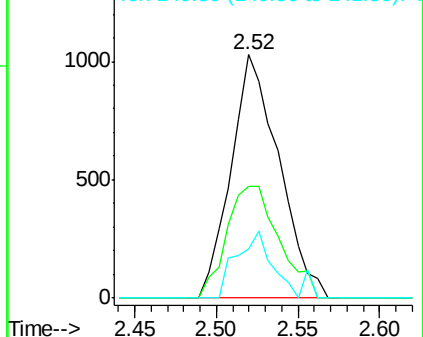
141 20.3 11.3 16.9#

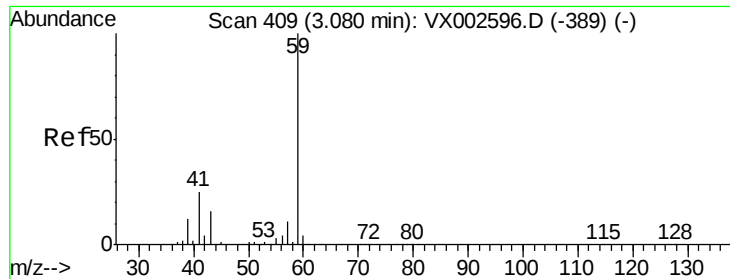


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

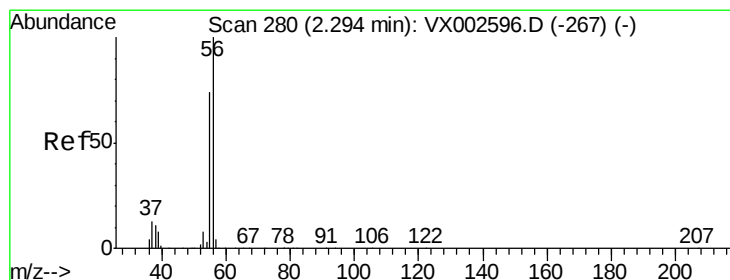
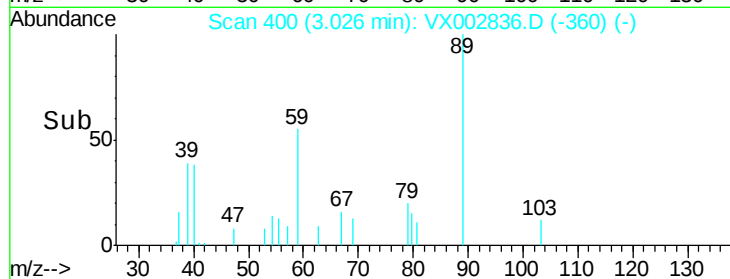
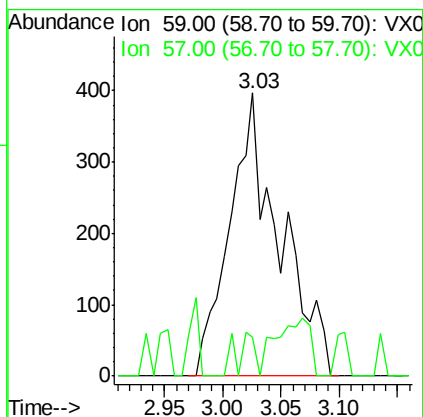
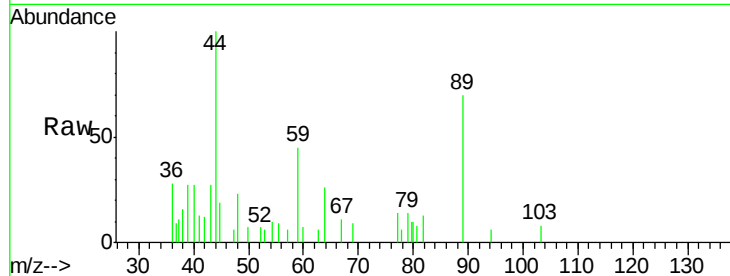




#11
Tert butyl alcohol
Concen: 1.78 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

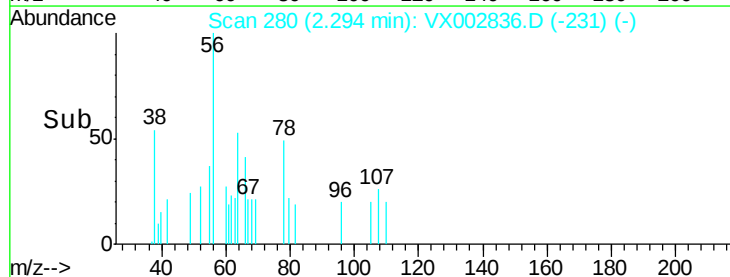
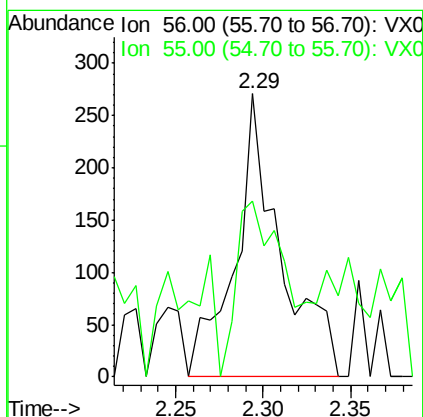
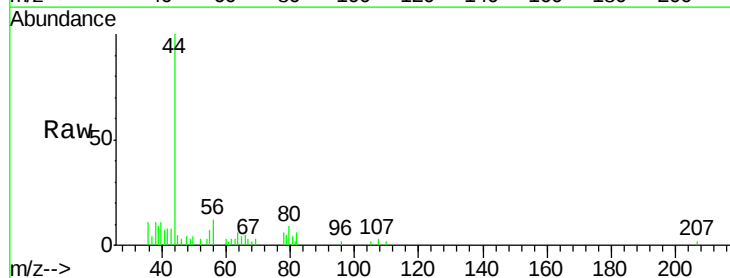
Instrument :
MSVOA_X
ClientSampleId :

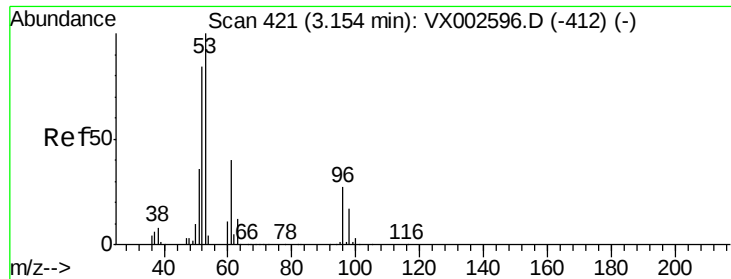
Tot Ion: 59 Resp: 1180
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#13
Acrolein
Concen: 8.39 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 56 Resp: 489
Ion Ratio Lower Upper
56 100
55 72.2 57.0 85.4





#15

Acrylonitrile

Concen: 0.53 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampled :

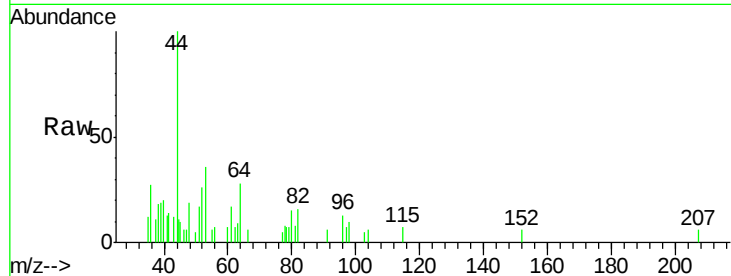
Tot Ion: 53 Resp: 771

Ion Ratio Lower Upper

53 100

52 84.4 66.7 100.1

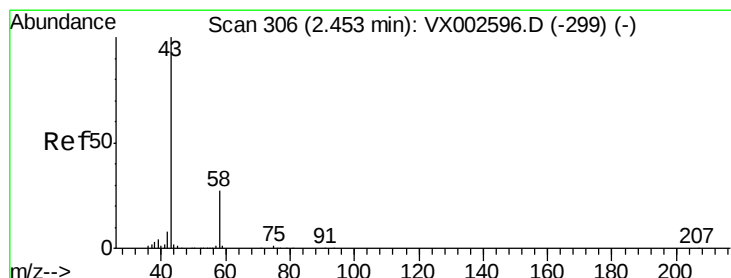
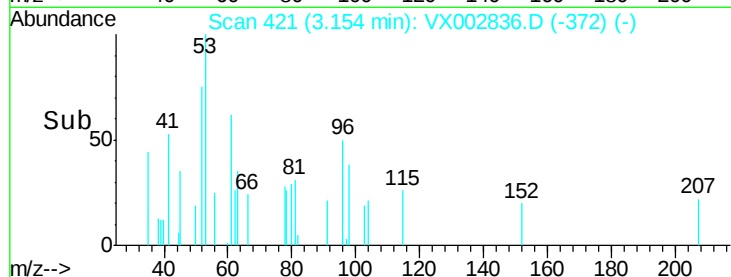
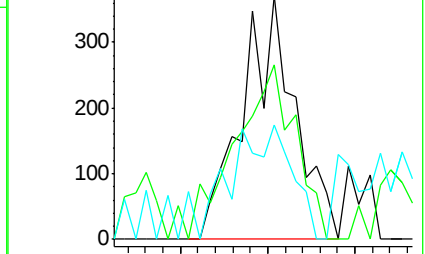
51 35.0 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.90 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002836.D

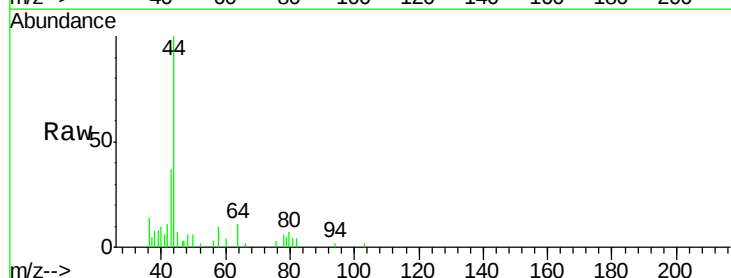
Acq: 22 Jun 2018 17:17

Tgt Ion: 43 Resp: 1277

Ion Ratio Lower Upper

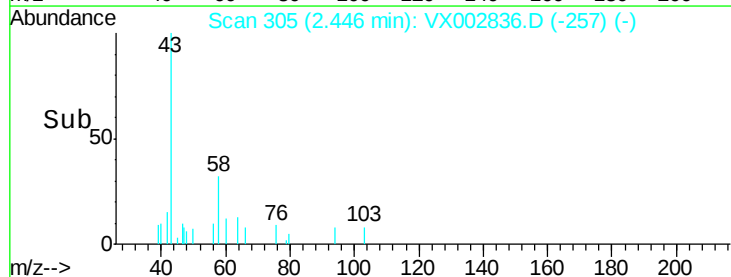
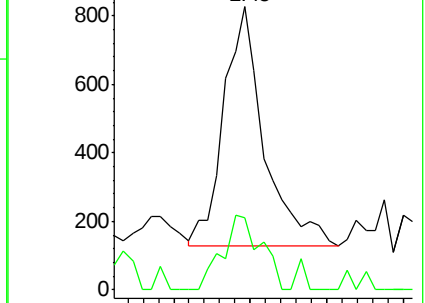
43 100

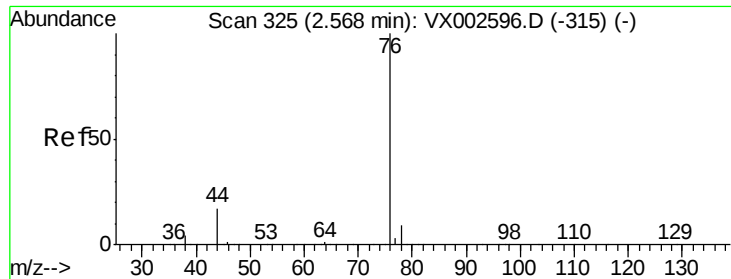
58 30.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

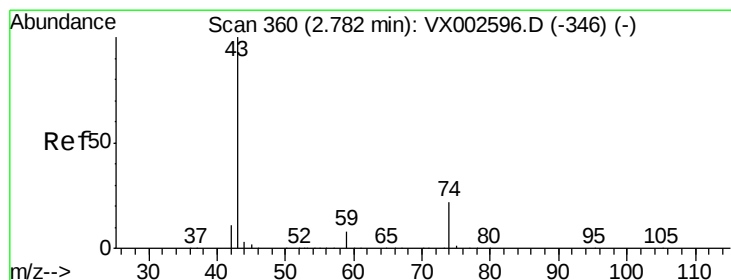
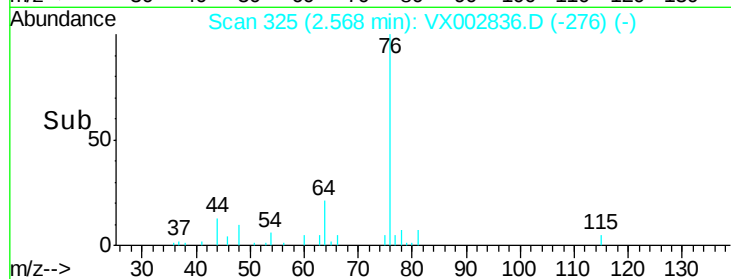
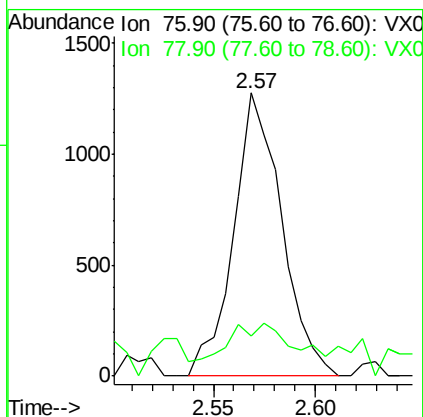
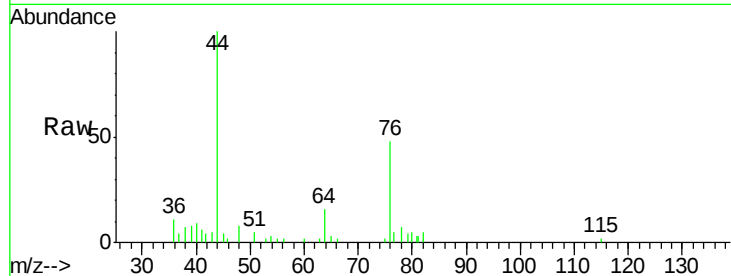




#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

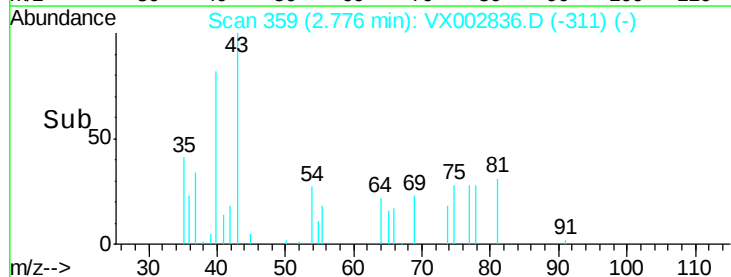
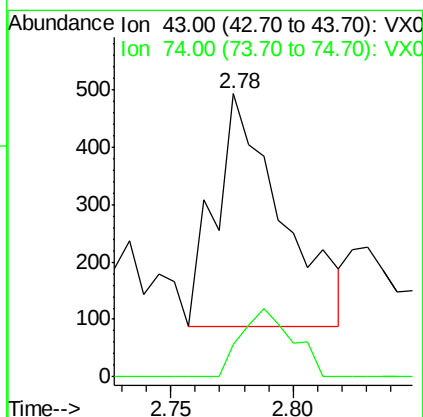
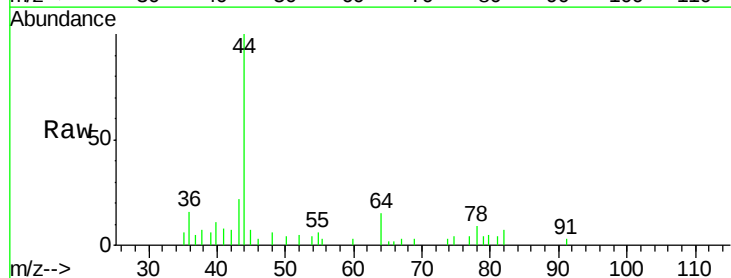
Instrument :
MSVOA_X
ClientSampled :

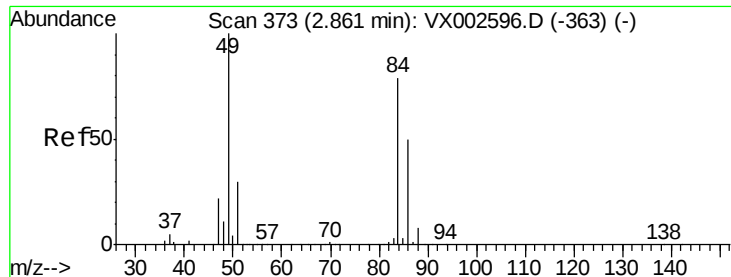
Tot Ion: 76 Resp: 2095
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1

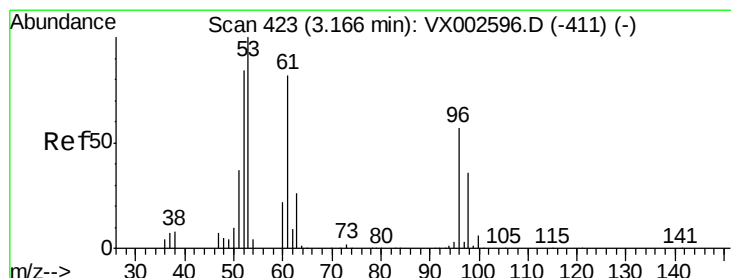
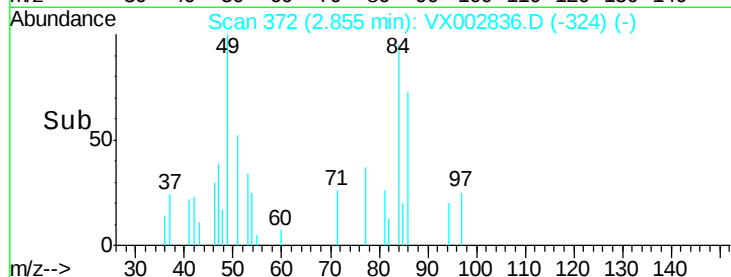
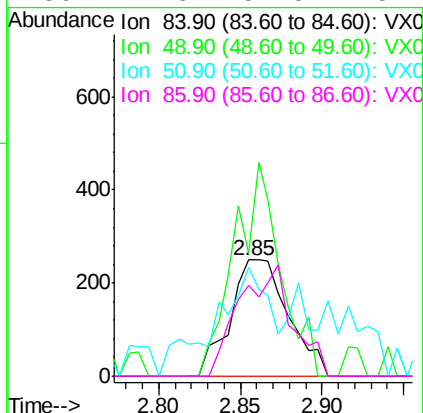
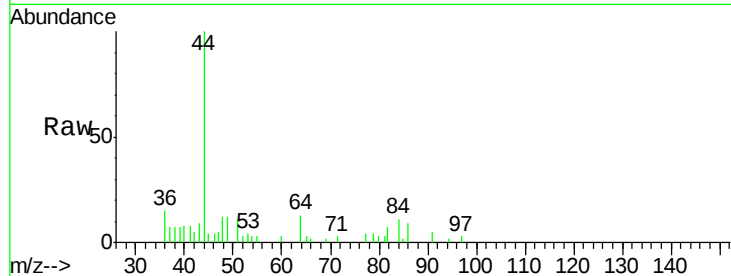




#20
Methvlene Chloride
Concen: 0.21 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

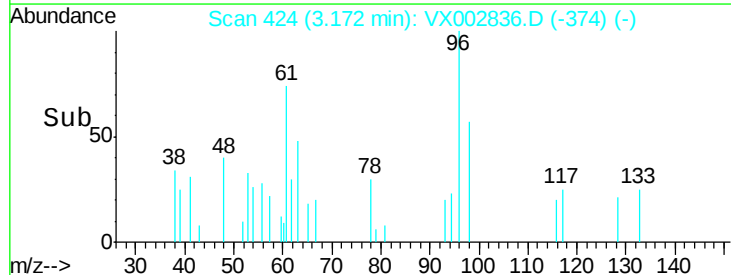
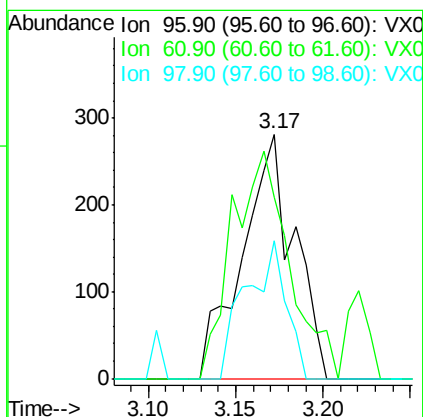
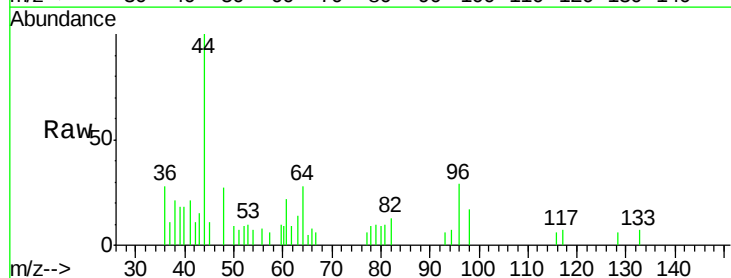
Instrument :
MSVOA_X
ClientSampled :

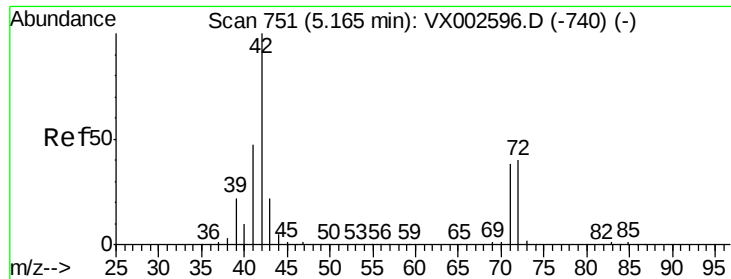
Tot Ion: 84 Resp: 617
Ion Ratio Lower Upper
84 100
49 105.6 107.8 161.6#
51 66.0 32.8 49.2#
86 77.6 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.23 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 96 Resp: 582
Ion Ratio Lower Upper
96 100
61 74.4 117.0 175.4#
98 56.6 52.4 78.6

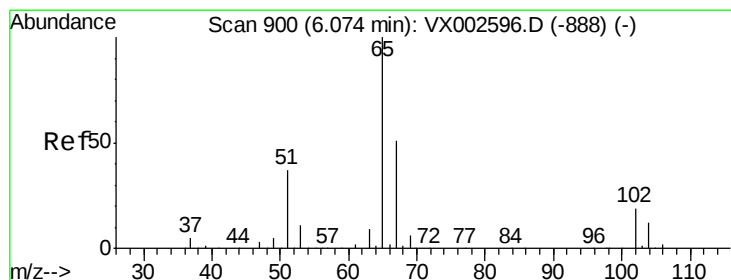
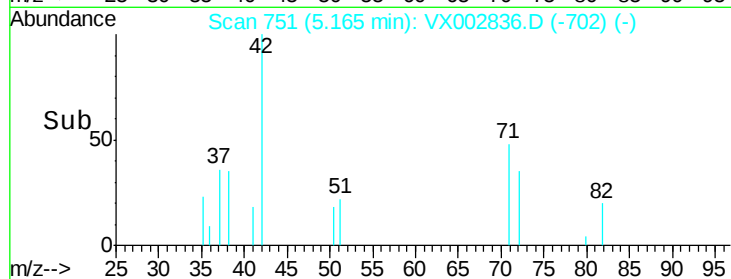
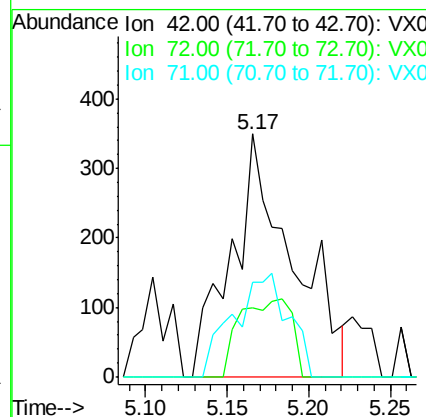
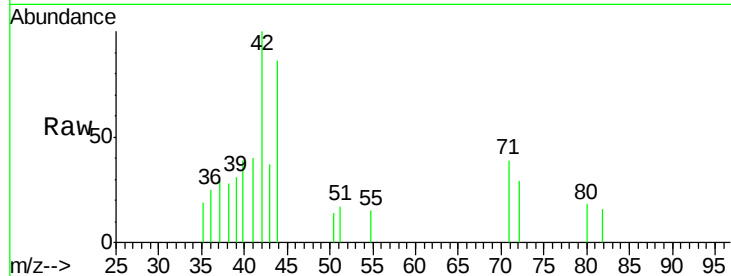




#29
Tetrahydrofuran
Concen: 0.74 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

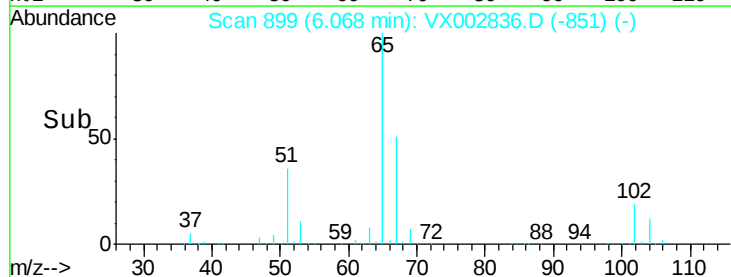
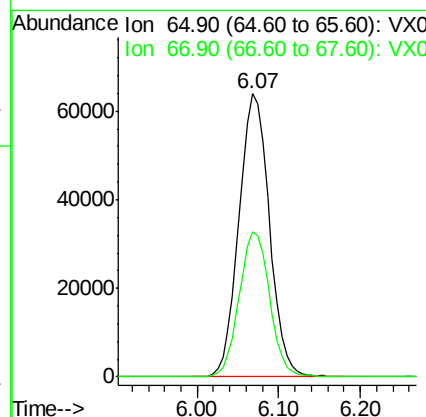
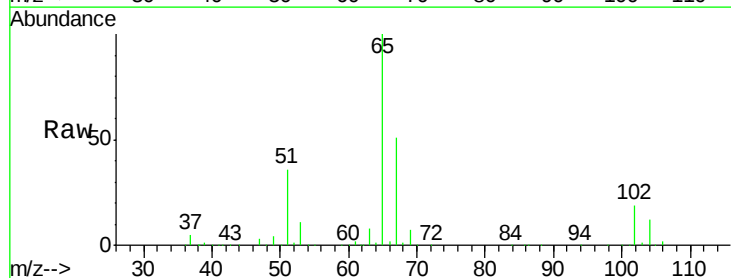
Instrument :
MSVOA_X
ClientSampled :

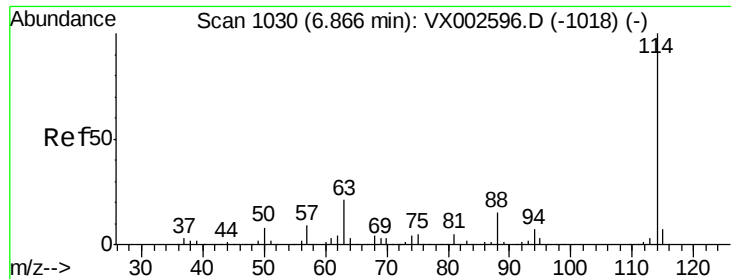
Tot Ion: 42 Resp: 906
Ion Ratio Lower Upper
42 100
72 27.3 32.0 48.0#
71 38.7 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 51.46 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 65 Resp: 165281
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampleId :

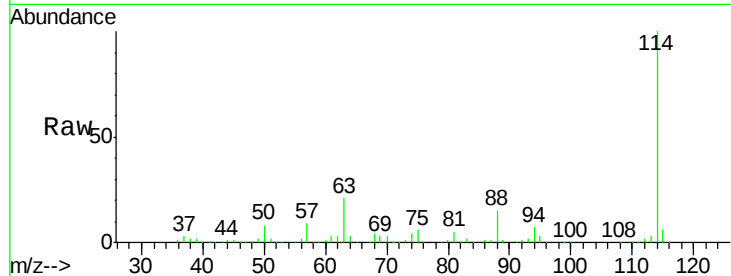
Tot Ion:114 Resp: 309086

Ion Ratio Lower Upper

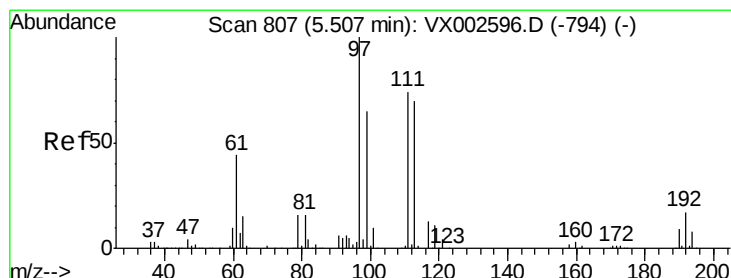
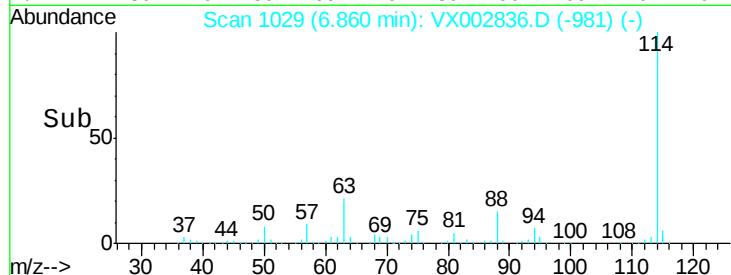
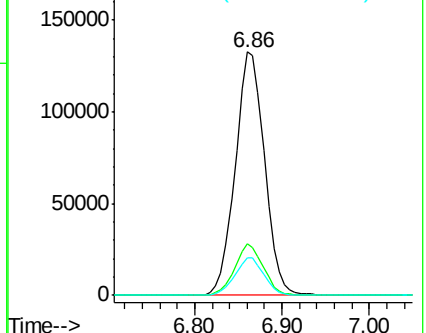
114 100

63 21.4 0.0 41.4

88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 53.13 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

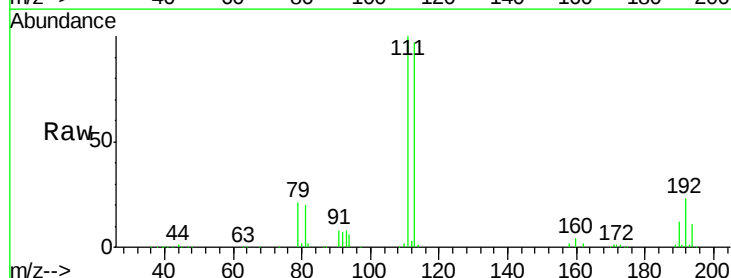
Tgt Ion:113 Resp: 131060

Ion Ratio Lower Upper

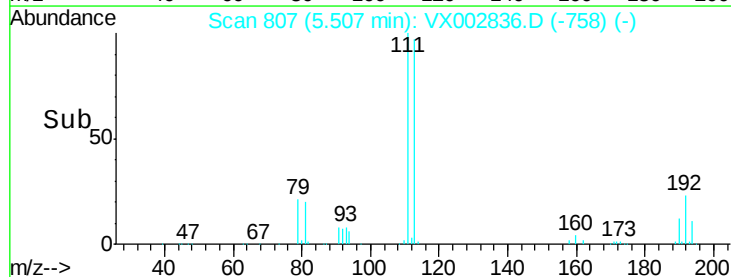
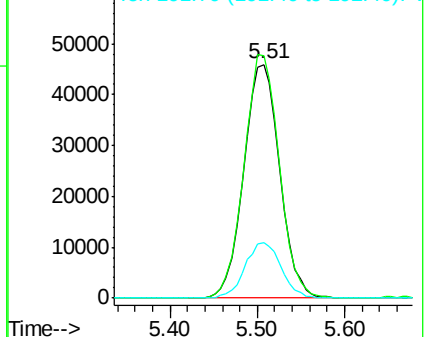
113 100

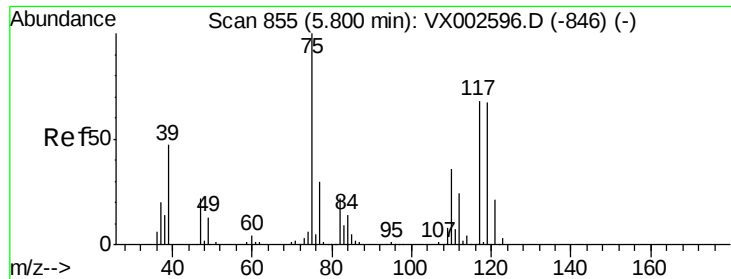
111 102.5 81.4 122.0

192 23.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

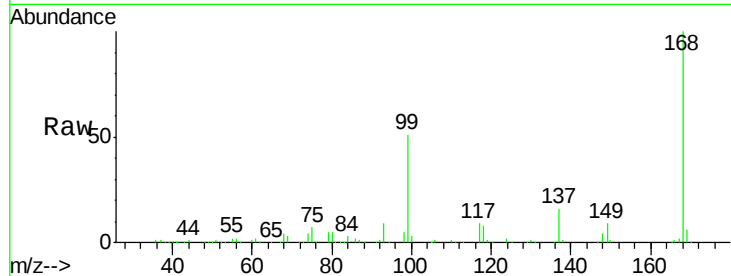
Tot Ion: 75 Resp: 14871

Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.4#

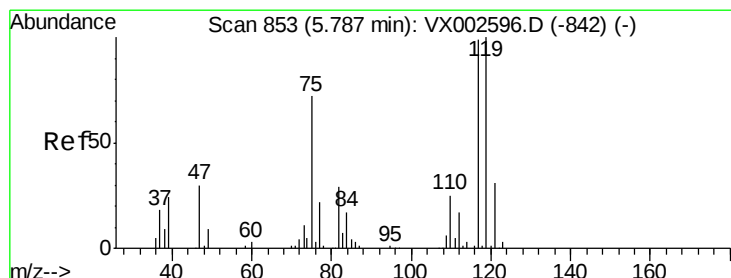
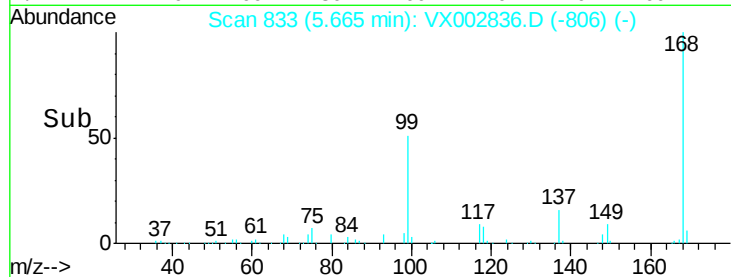
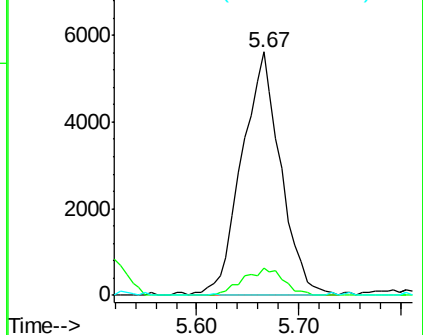
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.96 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.13 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

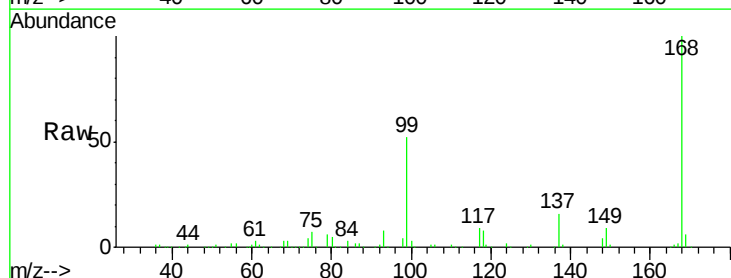
Tgt Ion: 117 Resp: 19474

Ion Ratio Lower Upper

117 100

119 5.9 77.4 116.0#

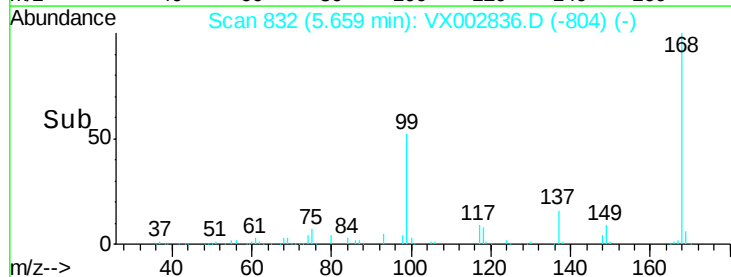
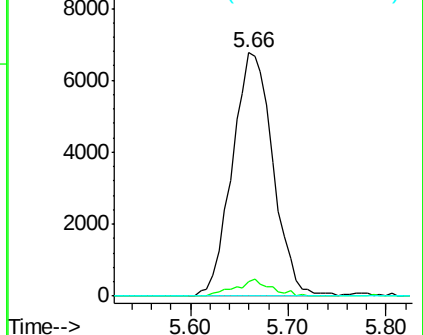
121 0.0 24.4 36.6#

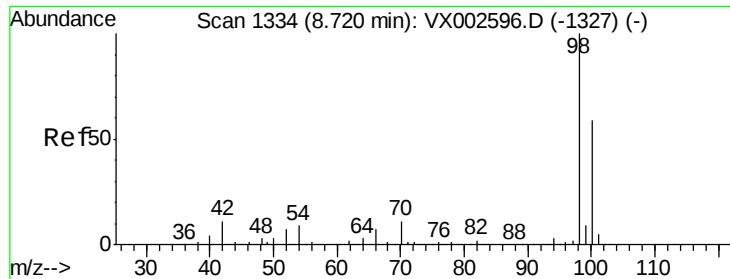


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

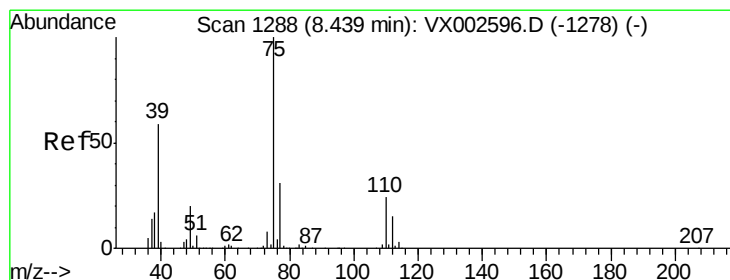
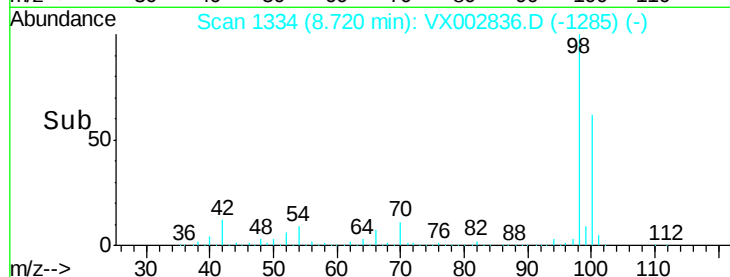
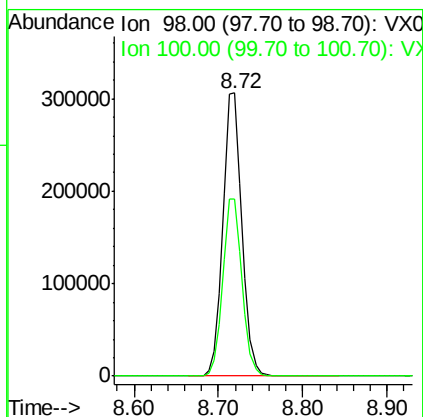
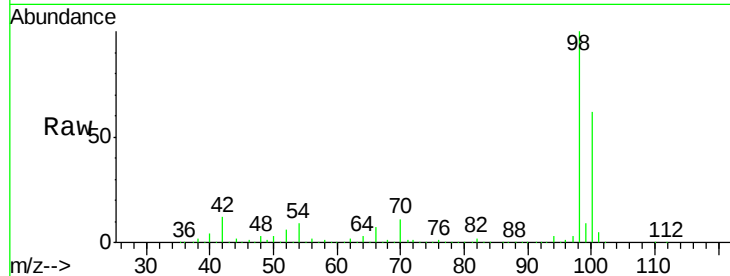




#50
Toluene-d8
Concen: 51.14 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

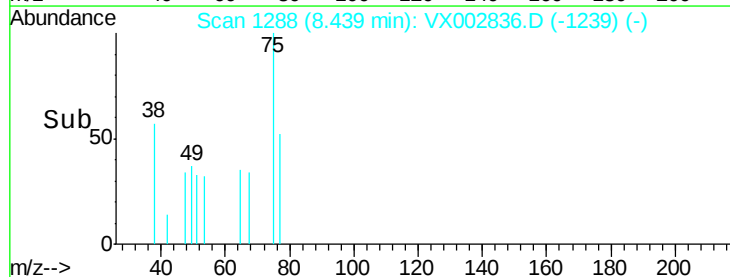
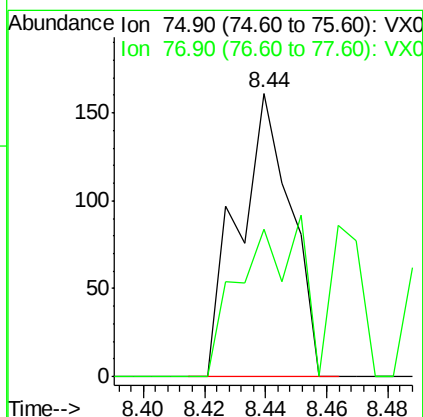
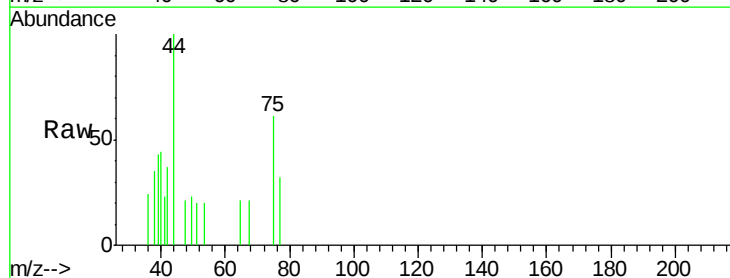
Instrument :
MSVOA_X
ClientSampled :

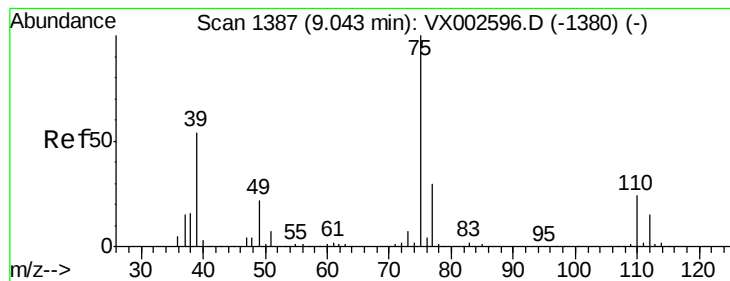
Tot Ion: 98 Resp: 479013
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.44 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 75 Resp: 192
Ion Ratio Lower Upper
75 100
77 52.2 25.4 38.2#



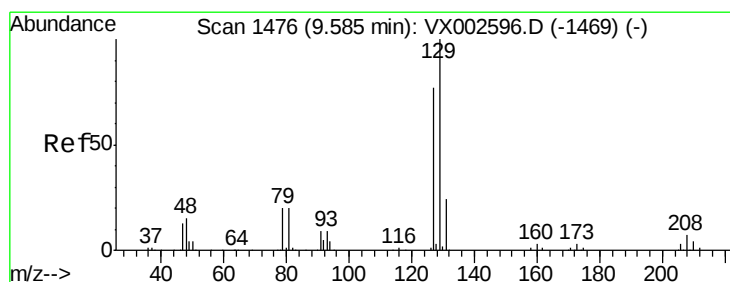
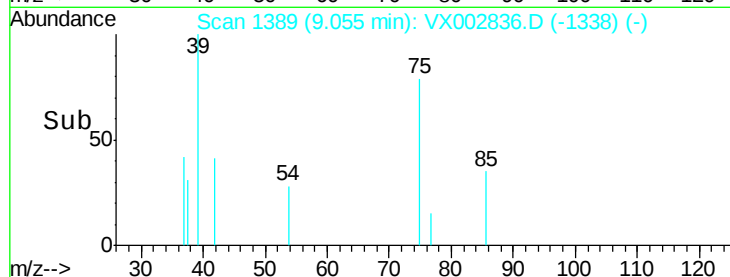
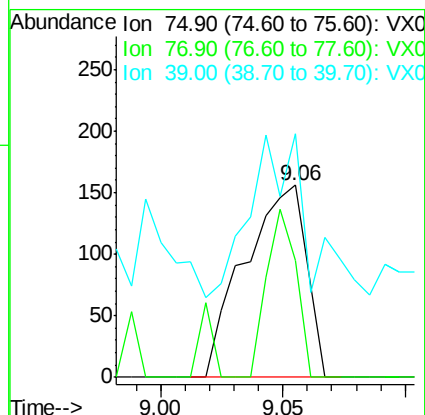
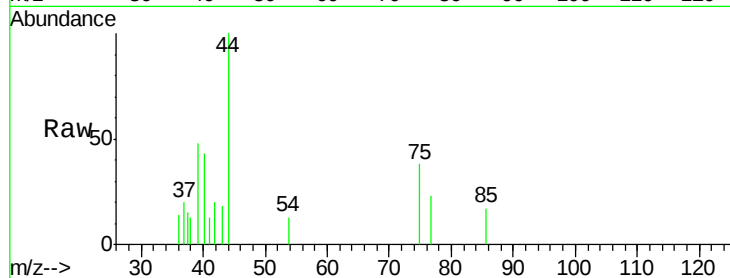


#54

cis-1,3-Dichloropropene
Concen: 3.28 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Instrument :
MSVOA_X
ClientSampled :

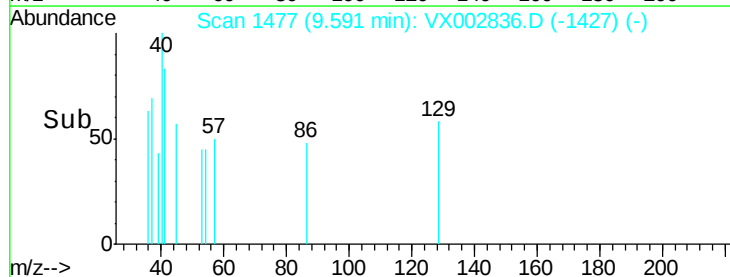
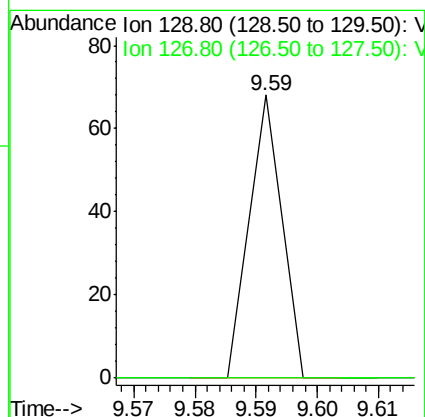
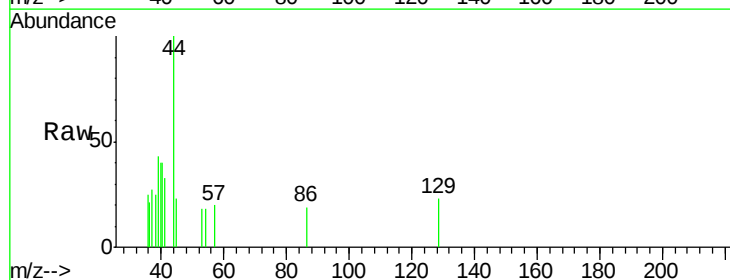
Tot Ion: 75 Resp: 273
Ion Ratio Lower Upper
75 100
77 60.9 24.8 37.2#
39 66.7 42.4 63.6#

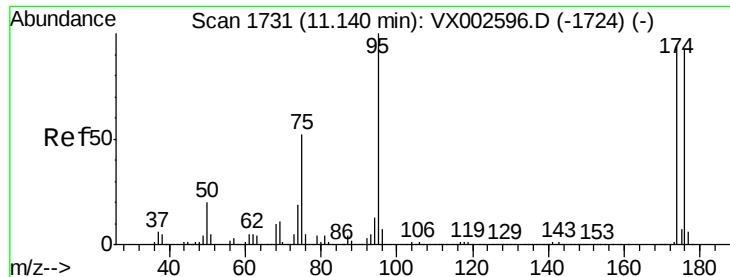


#60

Dibromochloromethane
Concen: 3.77 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 129 Resp: 25
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

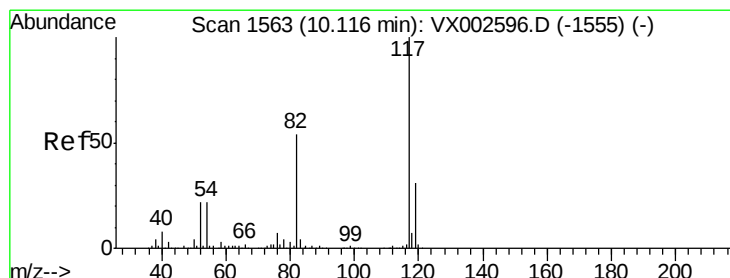
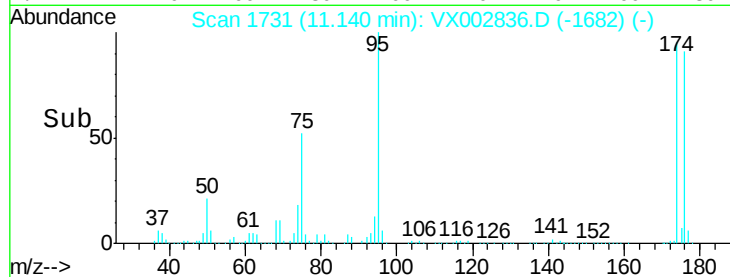
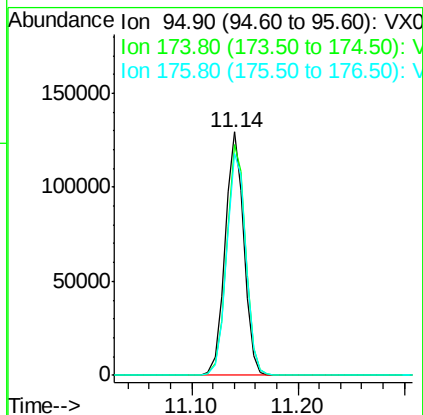
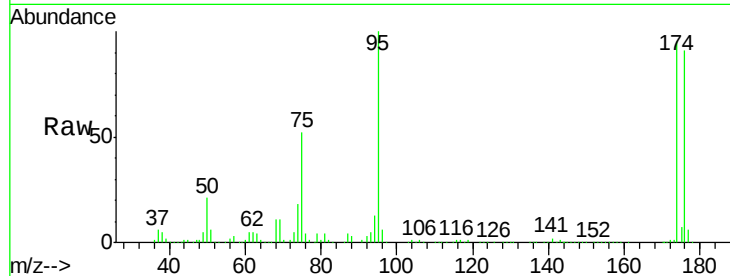




#62
4-Bromofluorobenzene
Concen: 44.72 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

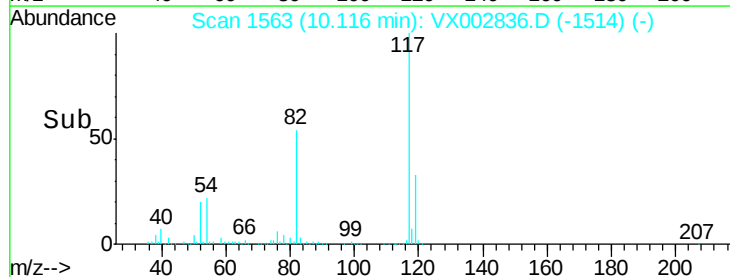
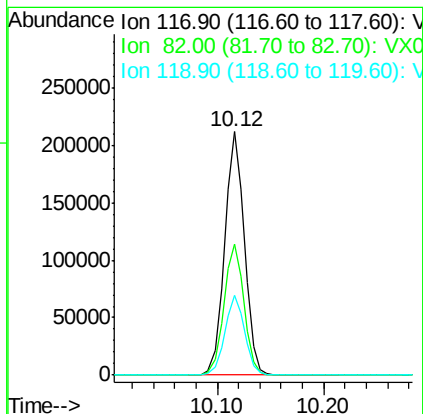
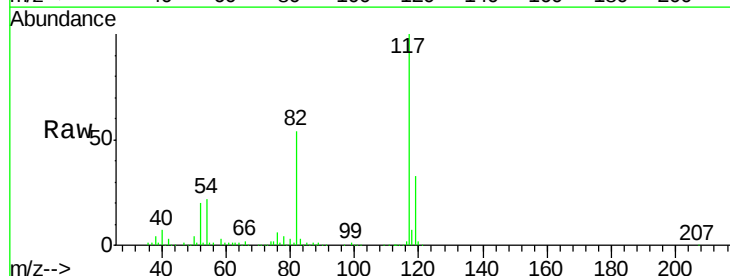
Instrument :
MSVOA_X
ClientSampleId :

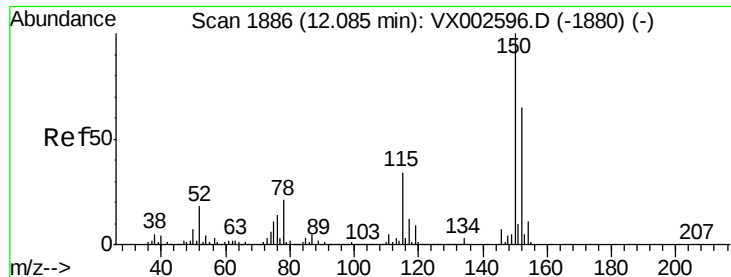
Tot Ion: 95 Resp: 158712
Ion Ratio Lower Upper
95 100
174 96.9 0.0 187.4
176 94.1 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002836.D
Acq: 22 Jun 2018 17:17

Tgt Ion: 117 Resp: 276114
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampled :

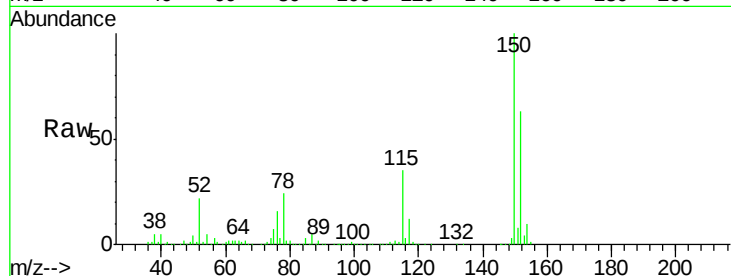
Tot Ion:152 Resp: 144409

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

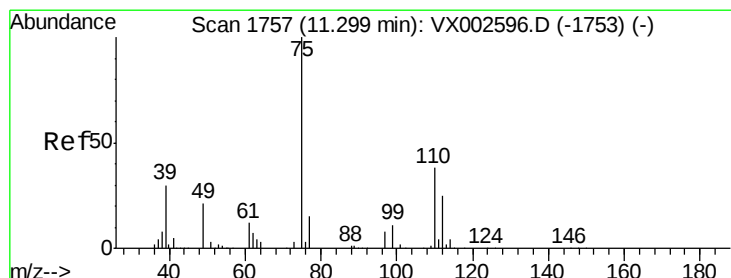
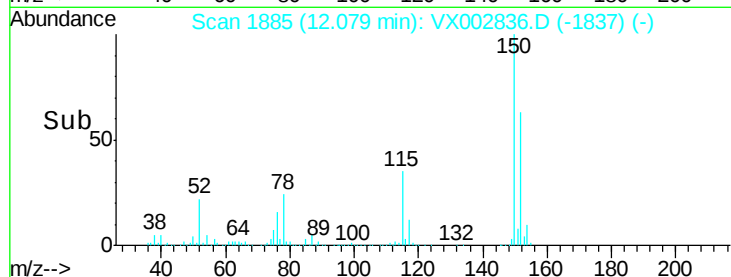
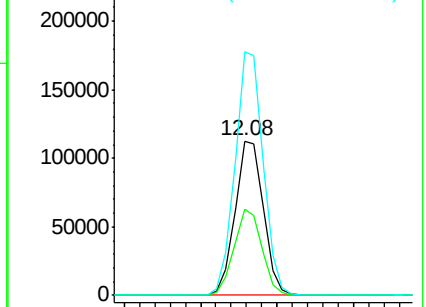
150 156.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 31.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002836.D

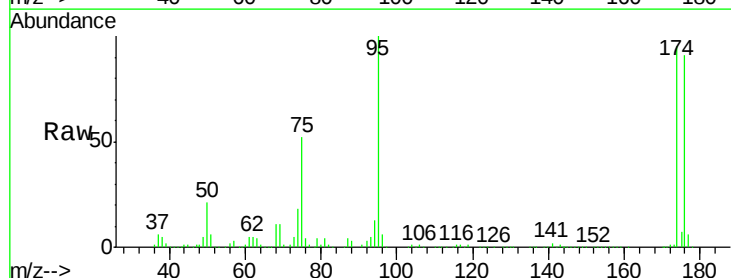
Acq: 22 Jun 2018 17:17

Tgt Ion: 75 Resp: 84960

Ion Ratio Lower Upper

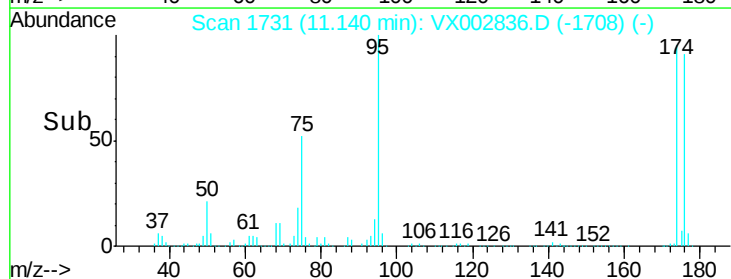
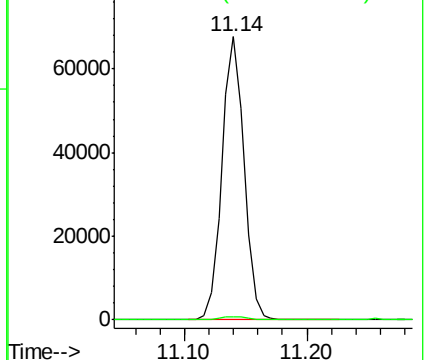
75 100

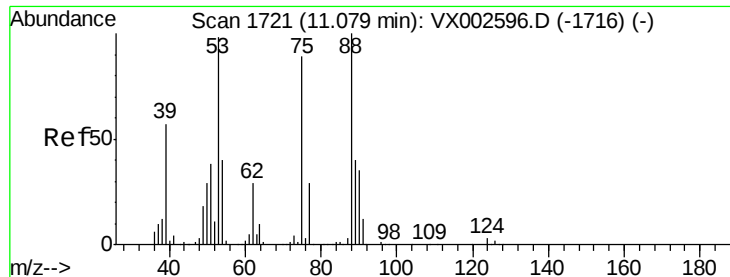
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 95.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

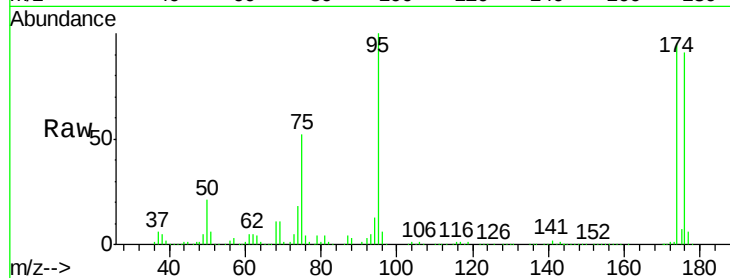
Tot Ion: 75 Resp: 84960

Ion Ratio Lower Upper

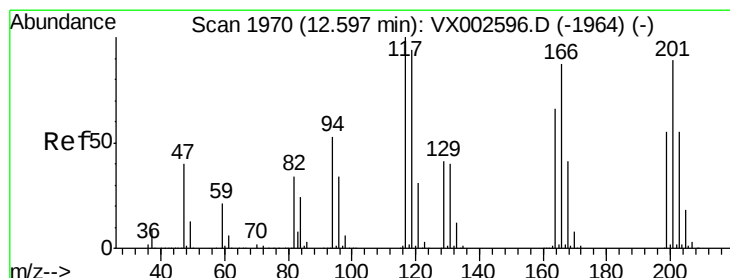
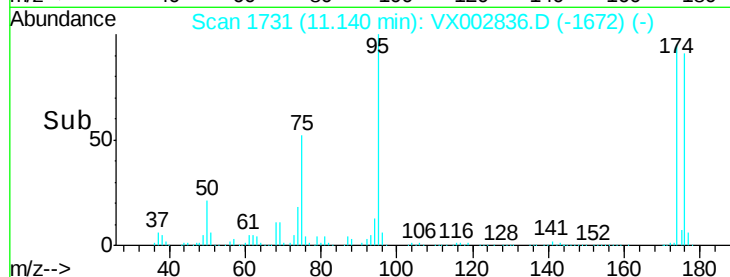
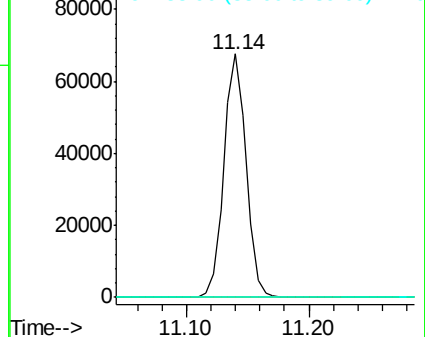
75 100

53 0.3 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 2.68 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX002836.D

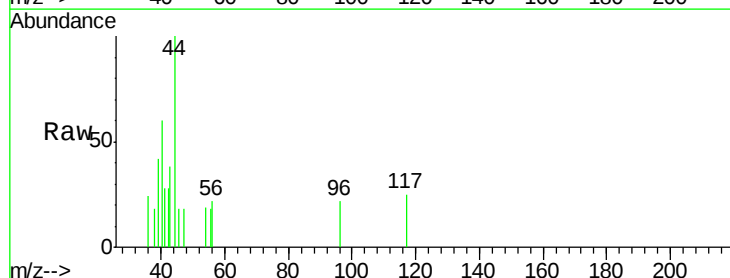
Acq: 22 Jun 2018 17:17

Tgt Ion: 117 Resp: 79

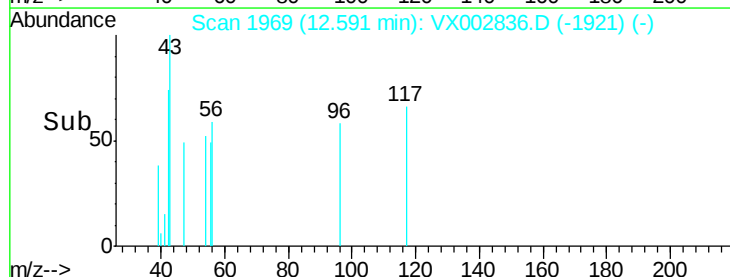
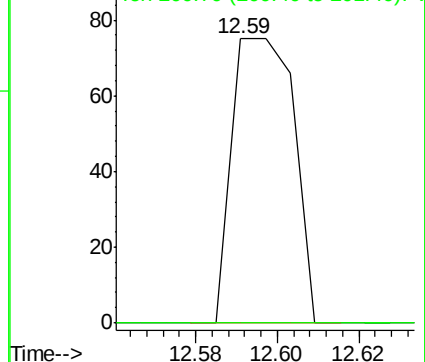
Ion Ratio Lower Upper

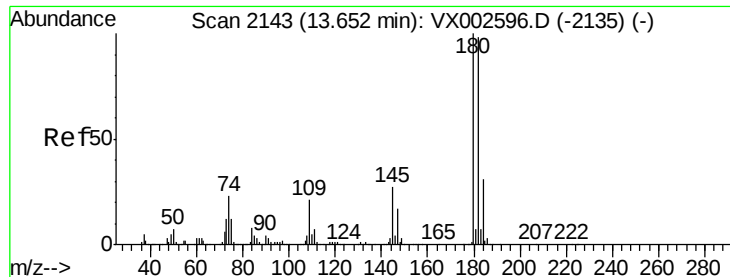
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

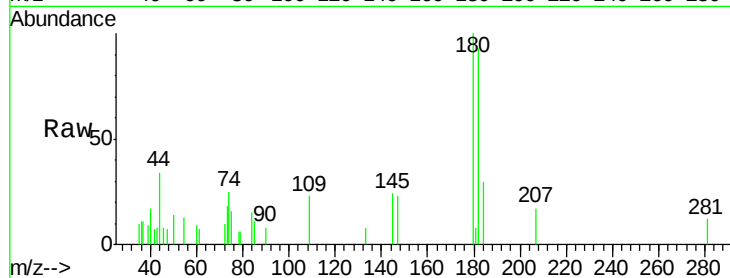




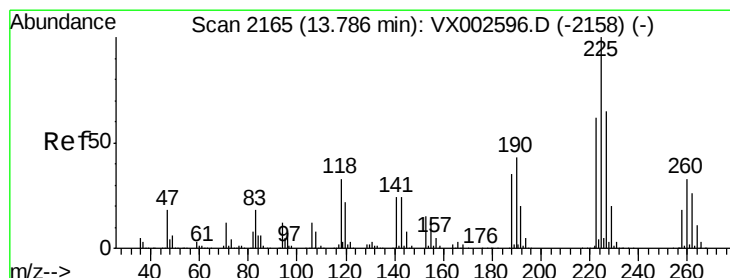
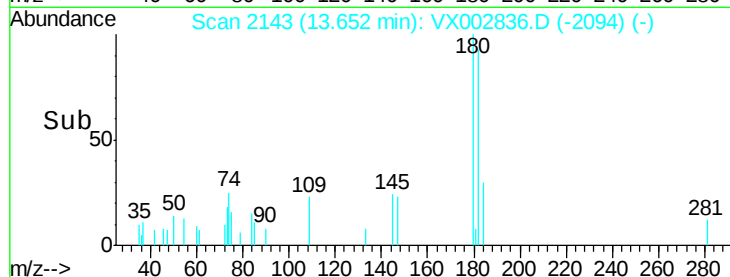
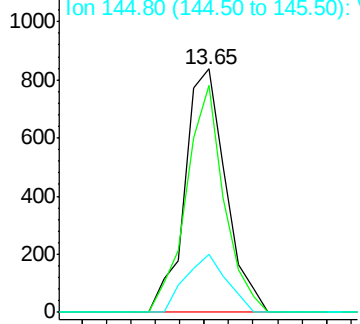
#93
 1,2,4-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002836.D
 Acq: 22 Jun 2018 17:17

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 972
 Ion Ratio Lower Upper
 180 100
 182 86.2 47.7 143.1
 145 23.7 14.1 42.4

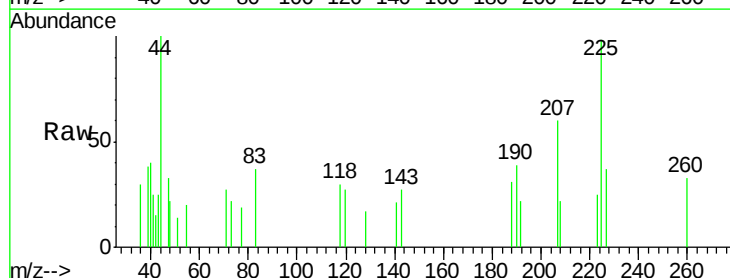


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

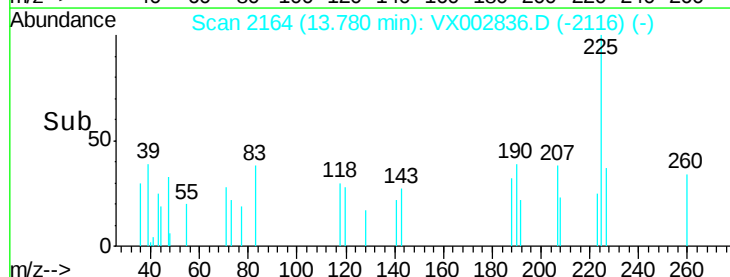
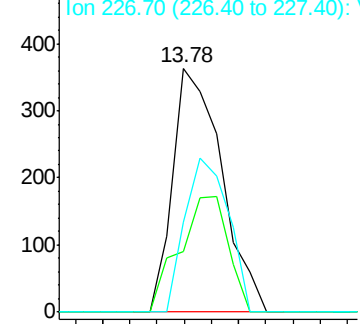


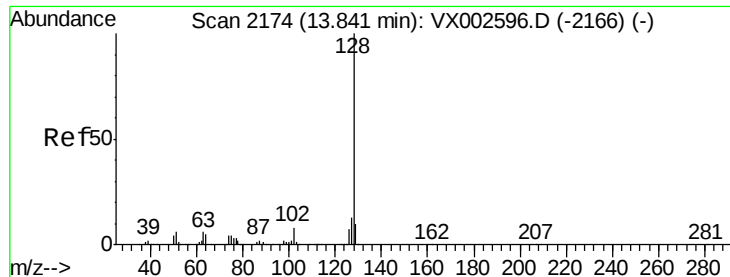
#94
 Hexachlorobutadiene
 Concen: 0.24 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX002836.D
 Acq: 22 Jun 2018 17:17

Tgt Ion:225 Resp: 452
 Ion Ratio Lower Upper
 225 100
 223 47.3 31.6 95.0
 227 56.0 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.24 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

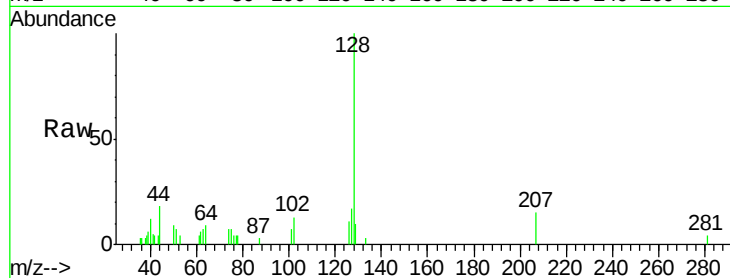
Tot Ion:128 Resp: 2367

Ion Ratio Lower Upper

128 100

127 16.7 10.4 15.6#

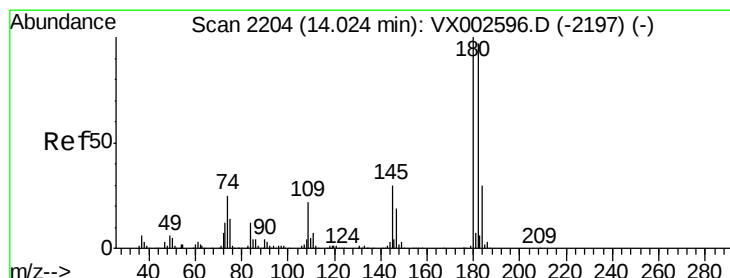
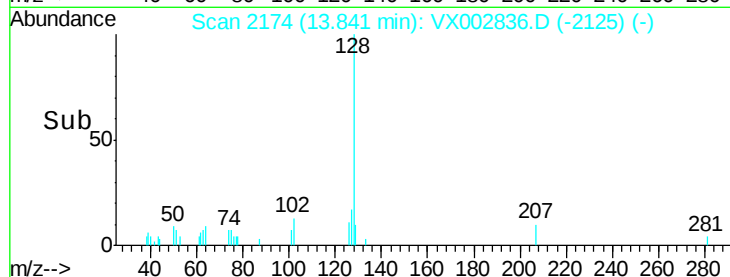
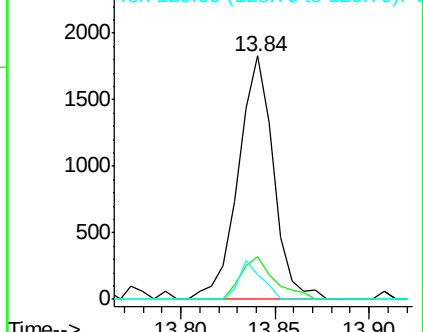
129 10.1 8.6 13.0



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: 0.25 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002836.D

Acq: 22 Jun 2018 17:17

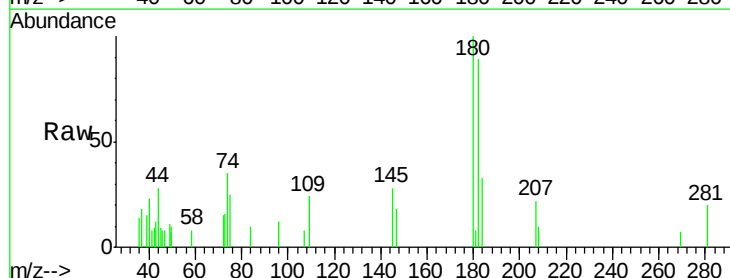
Tgt Ion:180 Resp: 892

Ion Ratio Lower Upper

180 100

182 97.0 48.0 144.0

145 31.4 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

