

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\
 Data File : VX002796.D
 Acq On : 21 Jun 2018 18:42
 Operator : JC/MD
 Sample : J3603-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 22 01:12:29 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	235369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331550	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179482	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	162308	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
35) Dibromofluoromethane	5.51	113	128014	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	8.72	98	476674	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	168101	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	

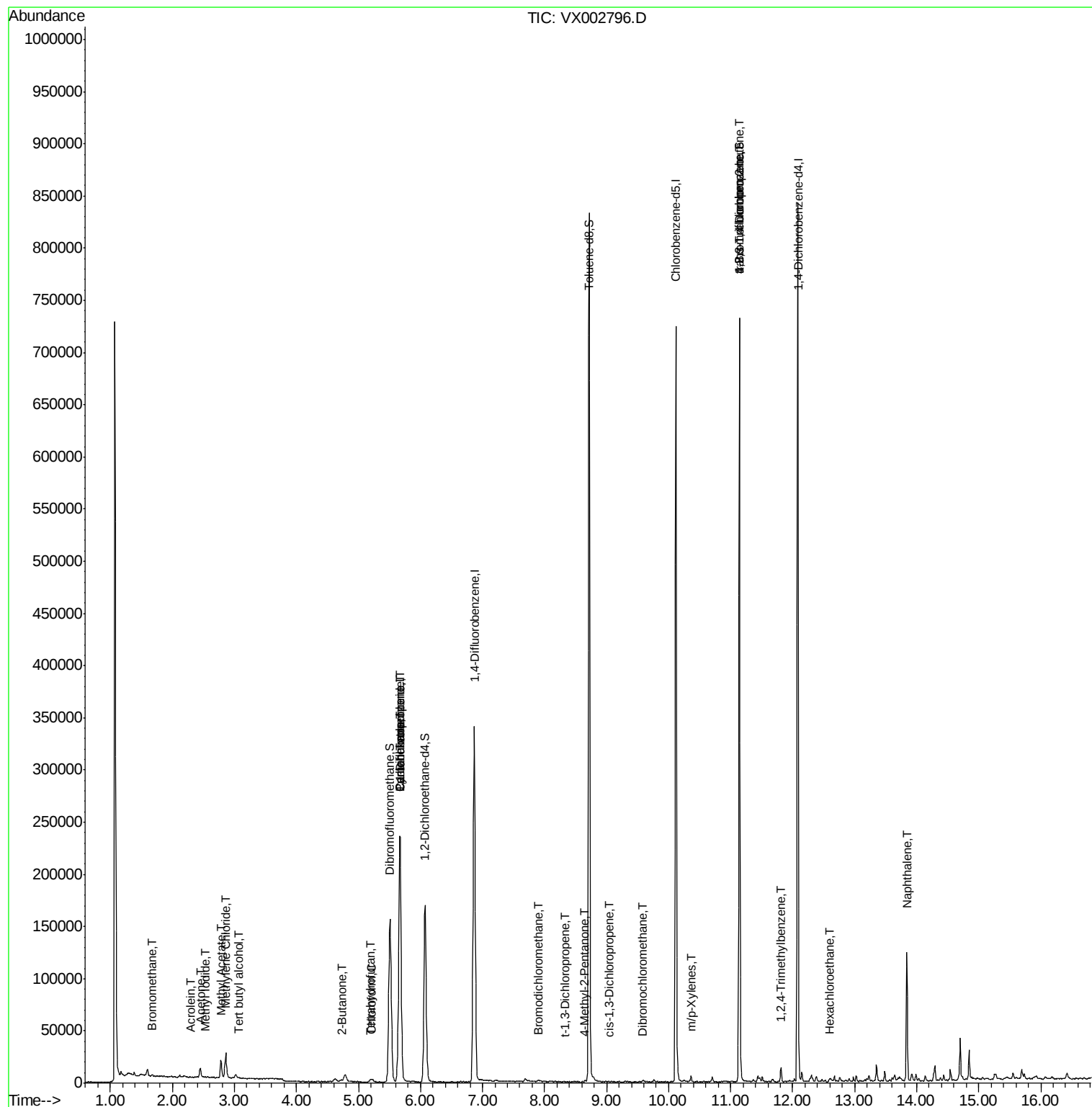
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	950	0.51	ug/l	90
10) Methyl Iodide	2.53	142	931	5.40	ug/l	89
11) Tert butyl alcohol	3.08	59	704	0.95	ug/l #	80
13) Acrolein	2.29	56	349	7.84	ug/l #	72
16) Acetone	2.45	43	10305	6.53	ug/l	98
18) Methyl Acetate	2.78	43	18834	4.48	ug/l	94
20) Methylene Chloride	2.86	84	10823	3.35	ug/l	96
25) 2-Butanone	4.73	43	2090	1.01	ug/l #	81
29) Tetrahydrofuran	5.19	42	916	0.67	ug/l #	77
30) Chloroform	5.21	83	2503	0.51	ug/l	85
31) Cyclohexane	5.67	56	5047	1.20	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16627	4.72	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22134	6.31	ug/l #	17
47) Bromodichloromethane	7.91	83	1111	0.34	ug/l #	91
51) 4-Methyl-2-Pentanone	8.65	43	977	0.23	ug/l	94
53) t-1,3-Dichloropropene	8.33	75	21	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	9.04	75	49	3.22	ug/l #	32
60) Dibromochloromethane	9.59	129	427	3.89	ug/l	93
68) m/p-Xylenes	10.37	106	1265	0.25	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	89194	26.34	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	89194	81.40	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	5866	0.57	ug/l	95
90) Hexachloroethane	12.59	117	185	2.73	ug/l #	1
95) Naphthalene	13.84	128	76237	6.32	ug/l	99

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

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ClientSampled :

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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# 834

Delta R.T. -0.00 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

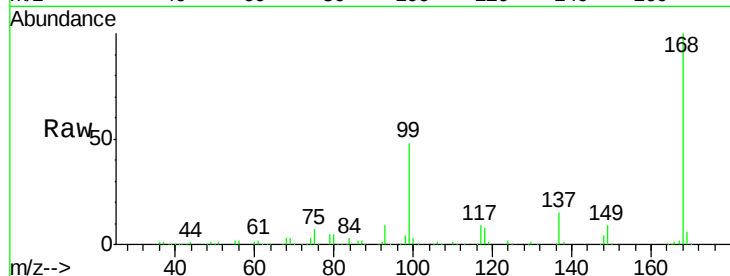
ClientSampleId :

Tot Ion:168 Resp: 235369

Ion Ratio Lower Upper

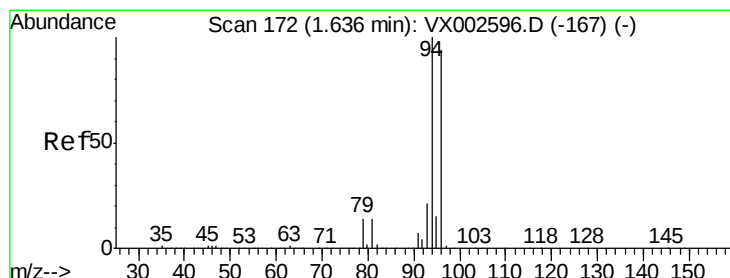
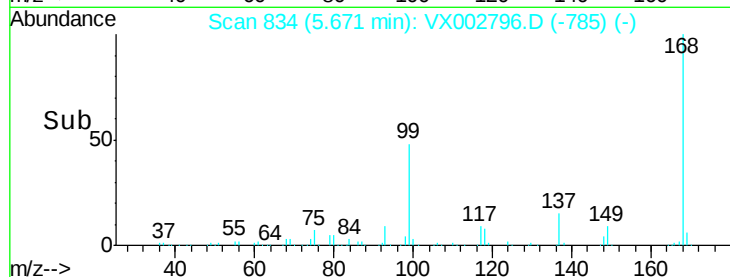
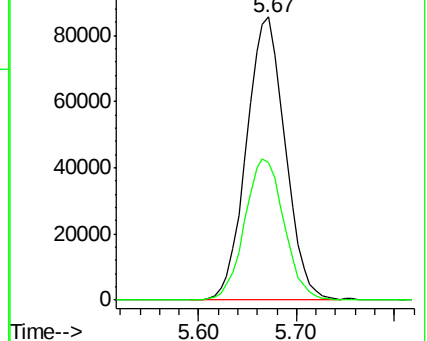
168 100

99 48.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.51 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002796.D

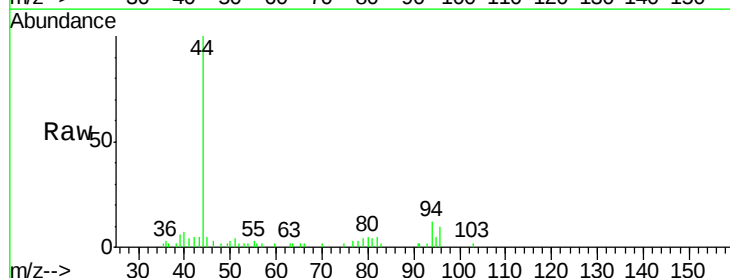
Acq: 21 Jun 2018 18:42

Tgt Ion: 94 Resp: 950

Ion Ratio Lower Upper

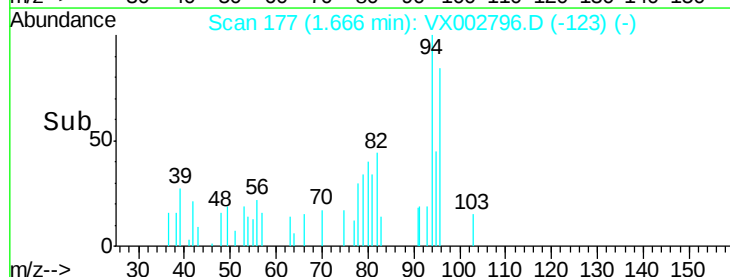
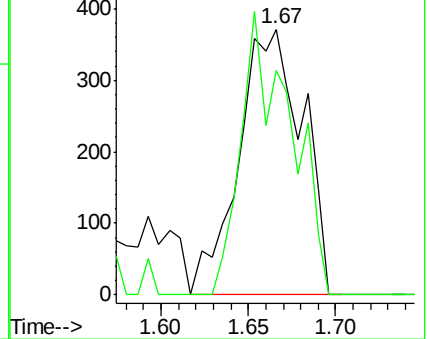
94 100

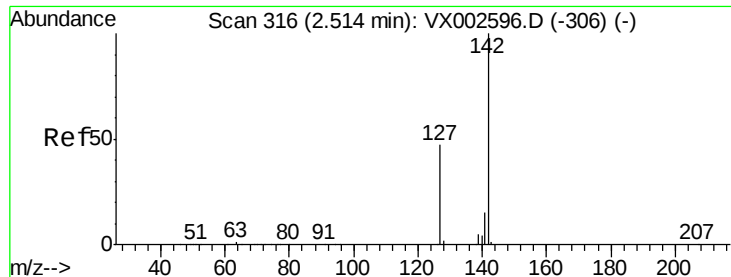
96 84.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

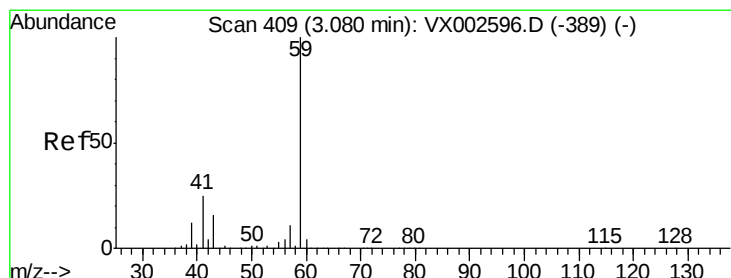
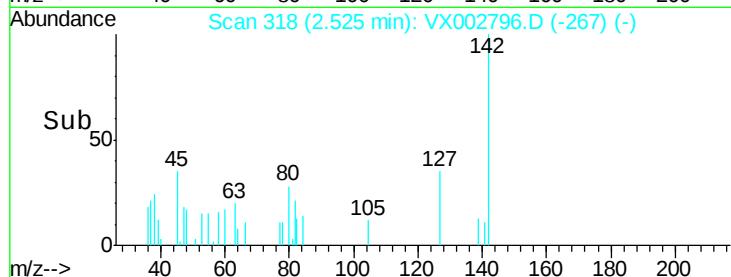
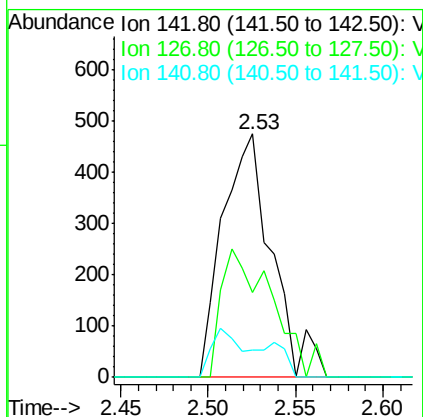
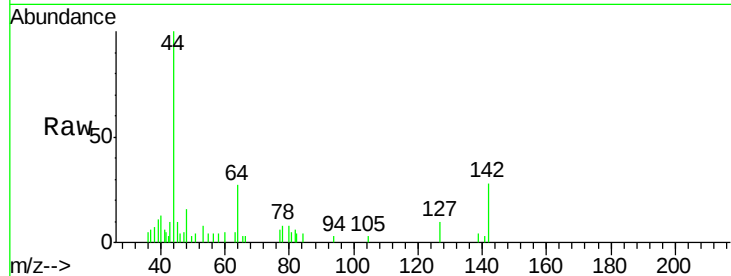




#10
Methvl Iodide
Concen: 5.40 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

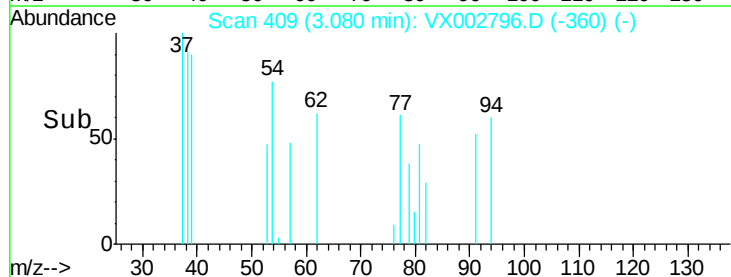
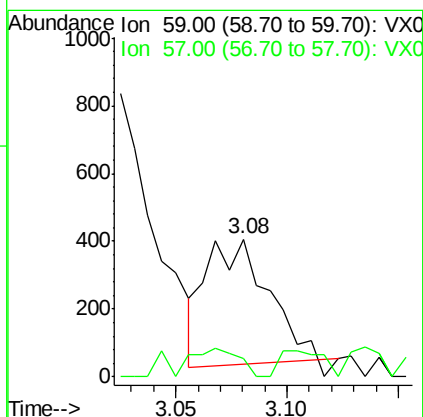
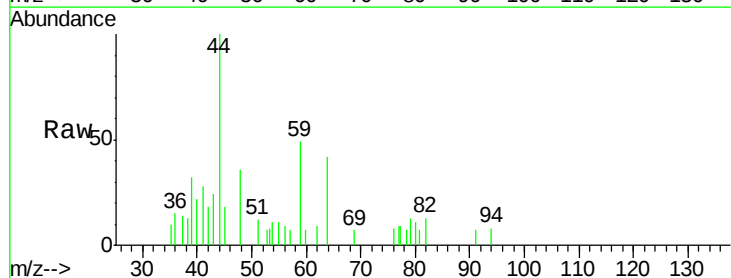
Instrument :
MSVOA_X
ClientSampled :

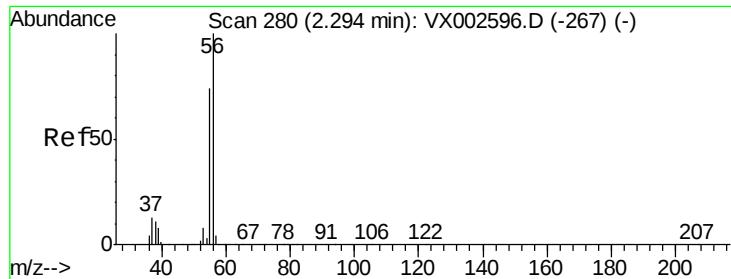
Tot Ion:142 Resp: 931
Ion Ratio Lower Upper
142 100
127 54.9 36.6 55.0
141 13.0 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.95 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 59 Resp: 704
Ion Ratio Lower Upper
59 100
57 17.8 8.2 12.2#





#13

Acrolein

Concen: 7.84 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

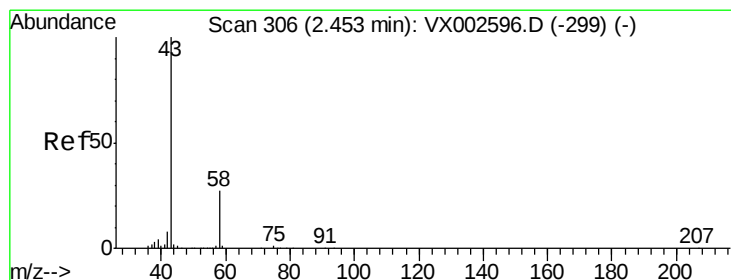
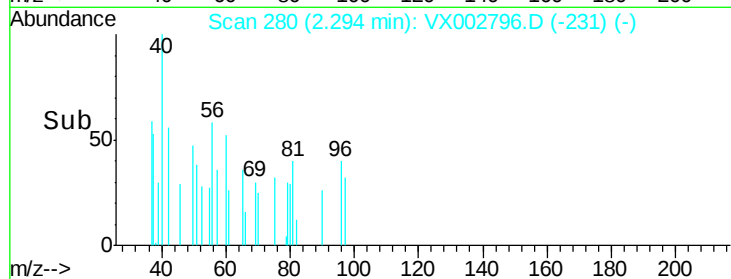
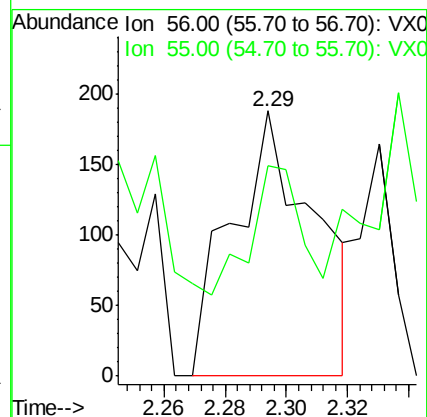
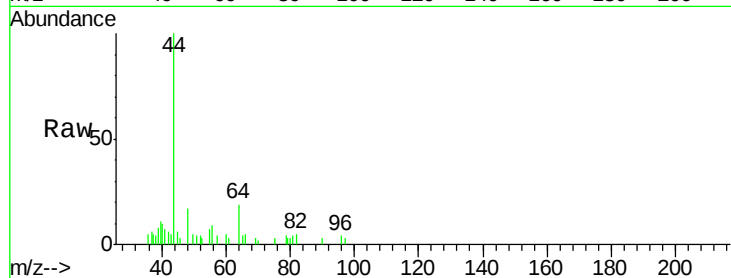
ClientSampleId :

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

56 100

55 48.1 57.0 85.4#



#16

Acetone

Concen: 6.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002796.D

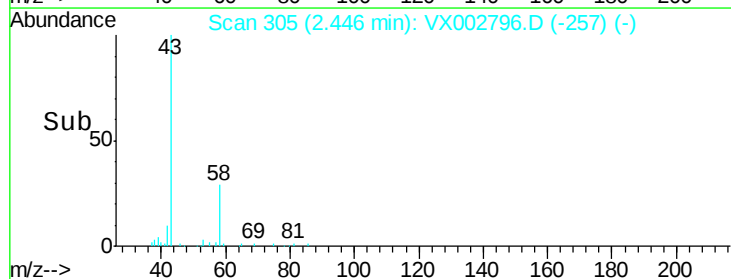
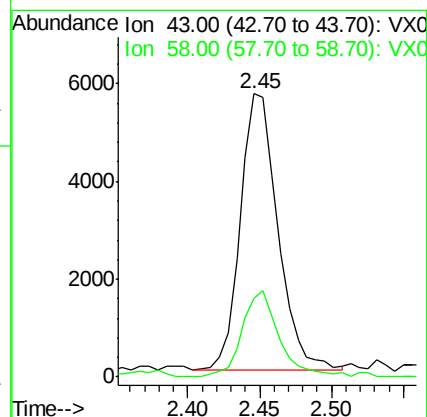
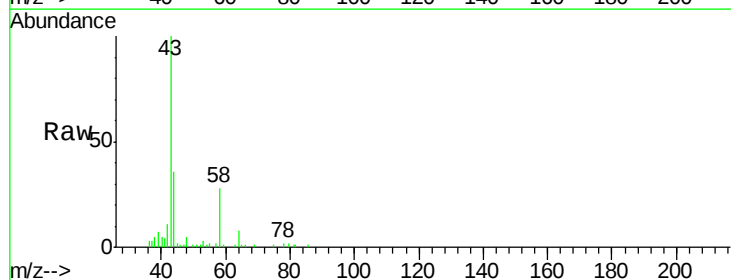
Acq: 21 Jun 2018 18:42

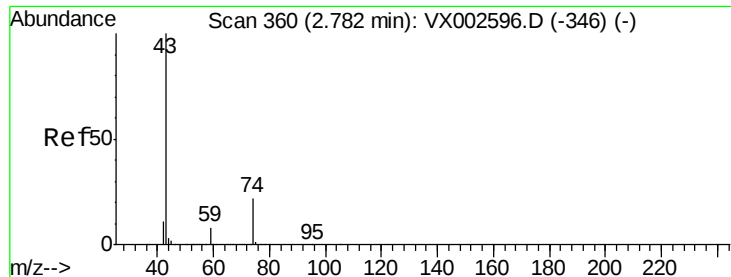
Tgt Ion: 43 Resp: 10305

Ion Ratio Lower Upper

43 100

58 28.5 22.1 33.1

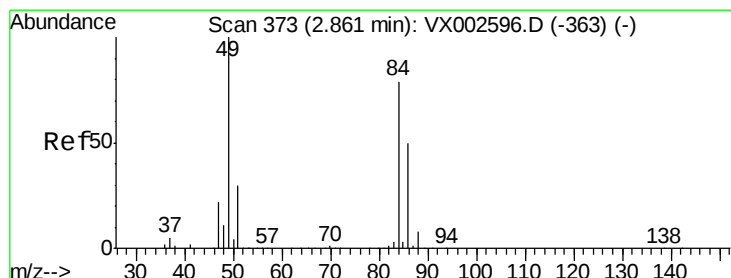
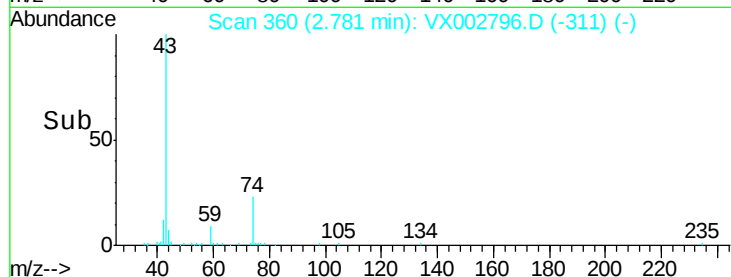
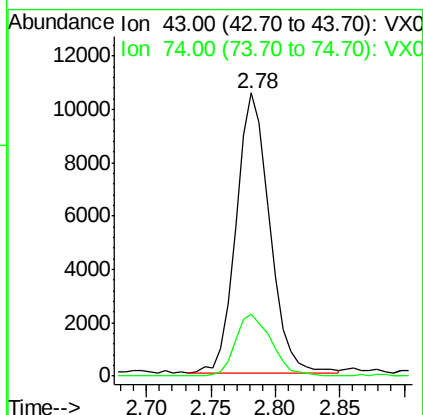
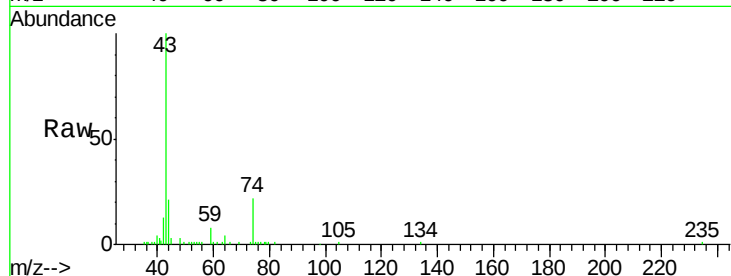




#18
Methvl Acetate
Concen: 4.48 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

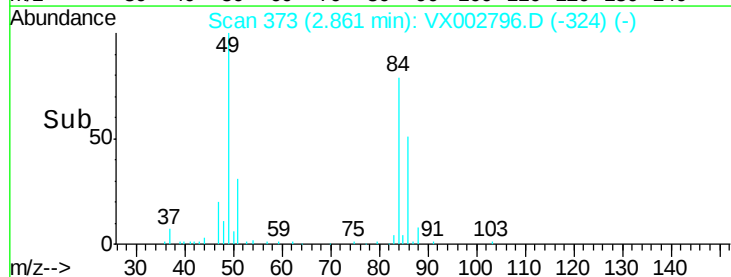
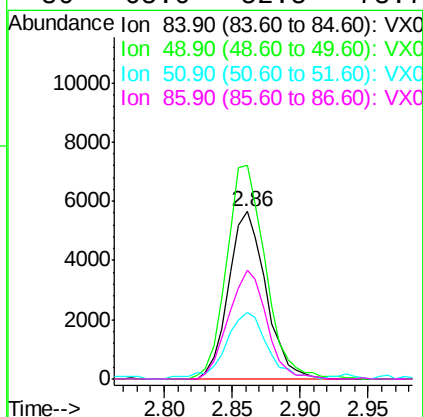
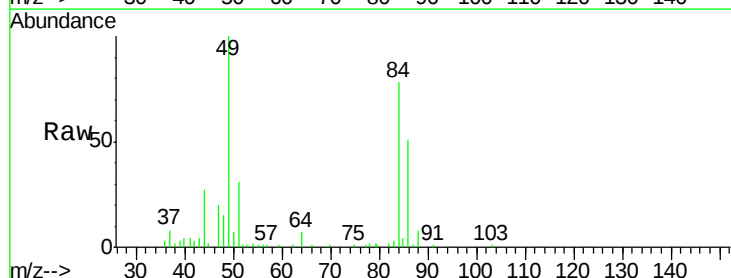
Instrument :
MSVOA_X
ClientSampleId :

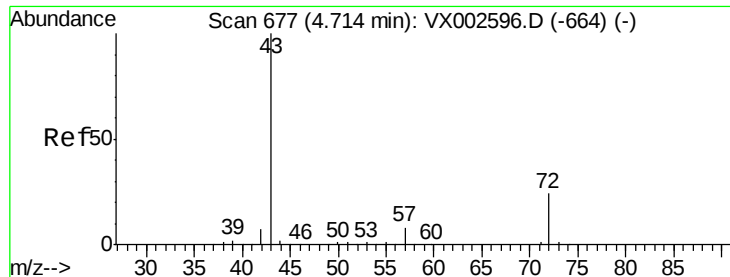
Tot Ion: 43 Resp: 18834
Ion Ratio Lower Upper
43 100
74 23.9 16.7 25.1



#20
Methylene Chloride
Concen: 3.35 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 84 Resp: 10823
Ion Ratio Lower Upper
84 100
49 127.8 107.8 161.6
51 39.0 32.8 49.2
86 65.0 52.5 78.7





#25

2-Butanone

Concen: 1.01 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

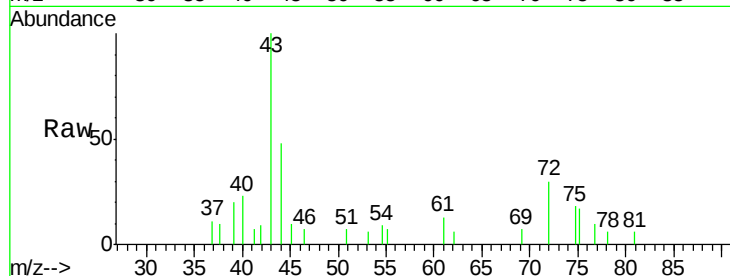
ClientSampled :

Tot Ion: 43 Resp: 2090

Ion Ratio Lower Upper

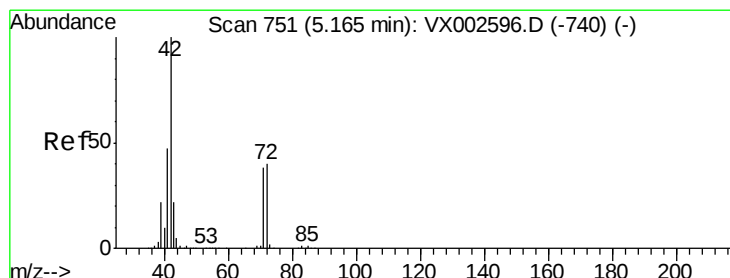
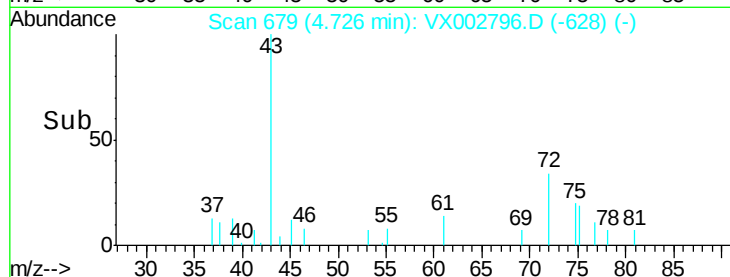
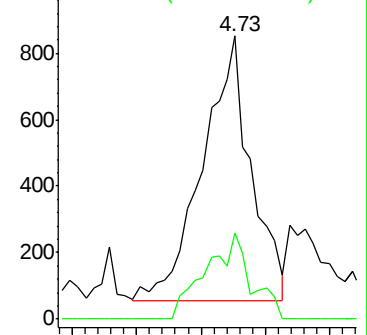
43 100

72 32.5 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.67 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

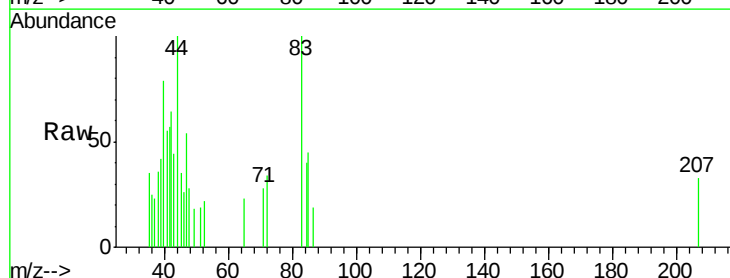
Tgt Ion: 42 Resp: 916

Ion Ratio Lower Upper

42 100

72 17.4 32.0 48.0#

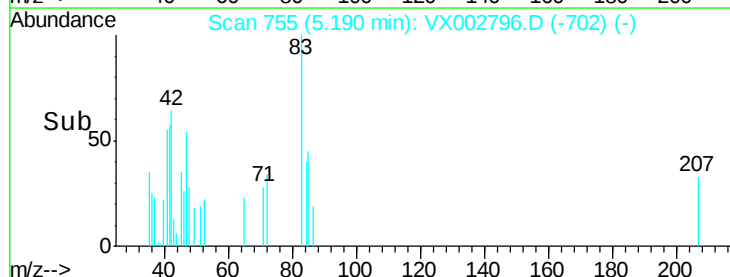
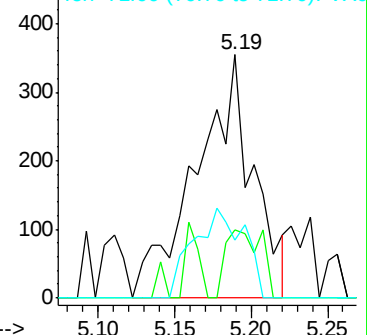
71 32.8 30.1 45.1

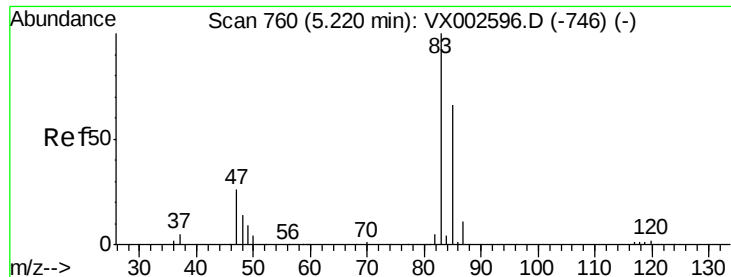


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

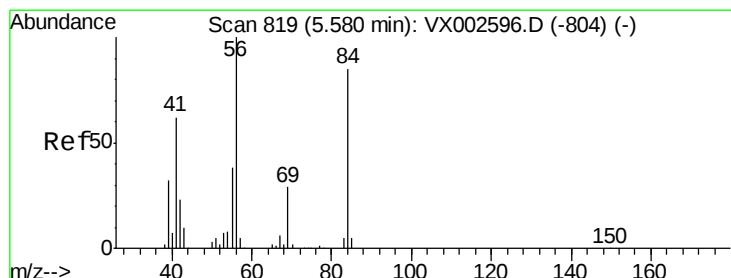
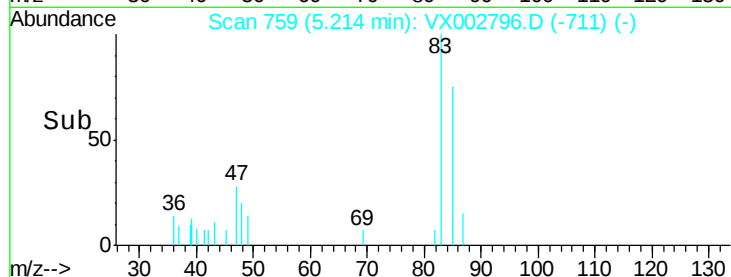
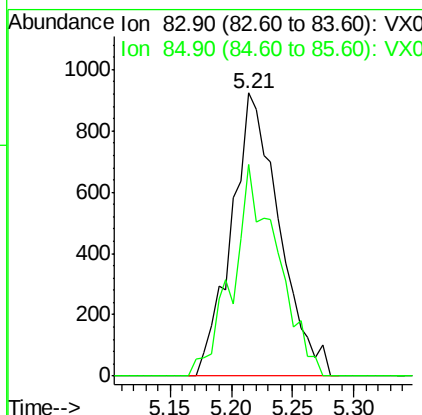
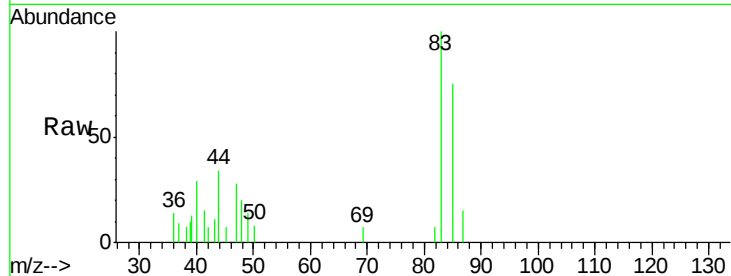




#30
Chloroform
Concen: 0.51 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

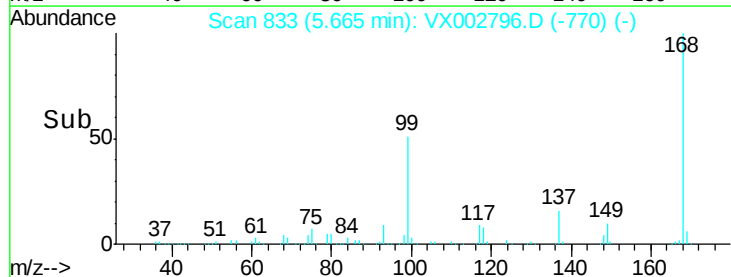
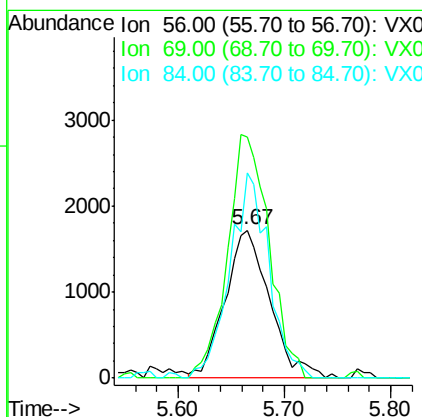
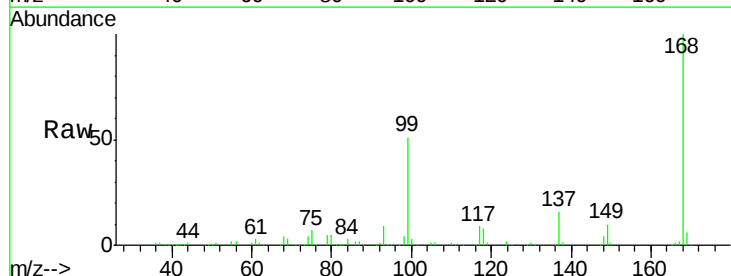
Instrument :
MSVOA_X
ClientSampled :

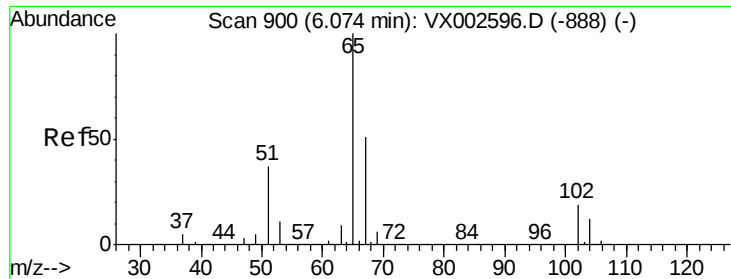
Tot Ion: 83 Resp: 2503
Ion Ratio Lower Upper
83 100
85 74.8 50.4 75.6



#31
Cyclohexane
Concen: 1.20 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 56 Resp: 5047
Ion Ratio Lower Upper
56 100
69 163.1 23.7 35.5#
84 138.7 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 45.38 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

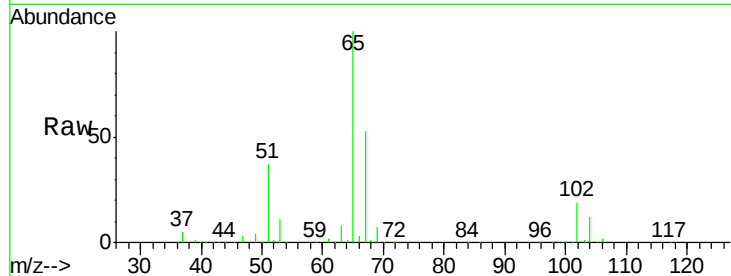
ClientSampleId :

Tot Ion: 65 Resp: 162308

Ion Ratio Lower Upper

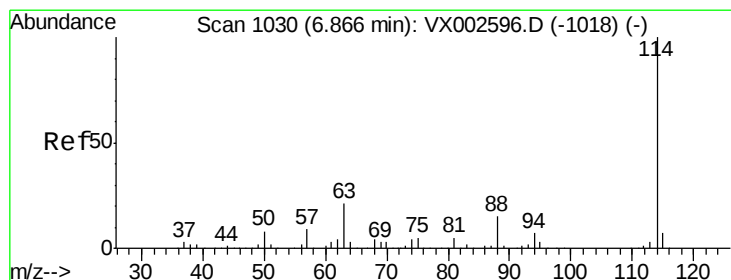
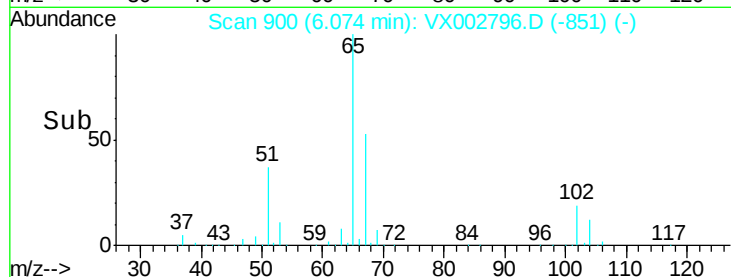
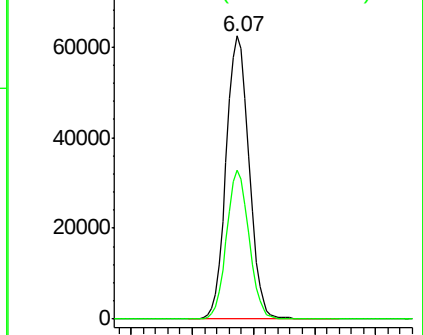
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

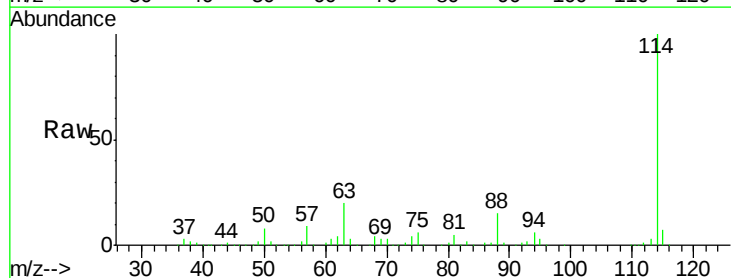
Tgt Ion: 114 Resp: 331550

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

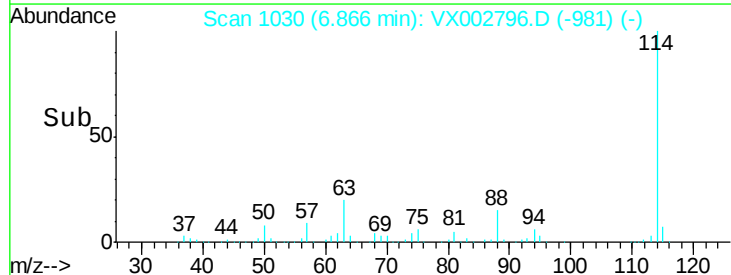
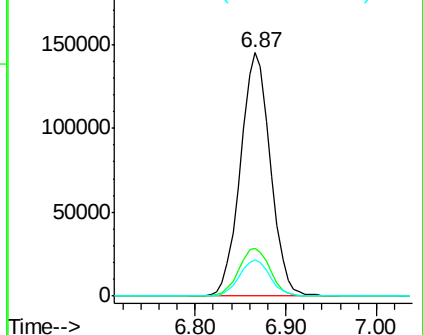
88 15.0 0.0 30.0

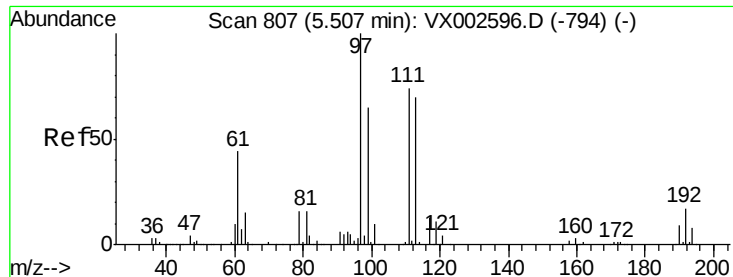


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

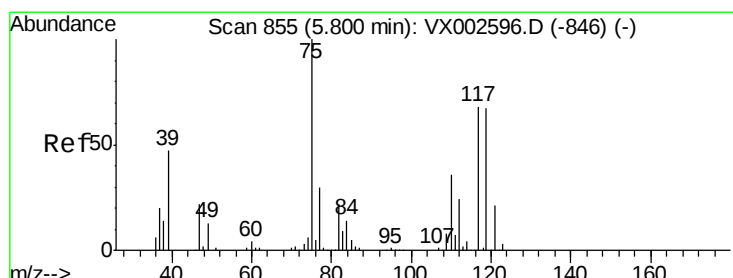
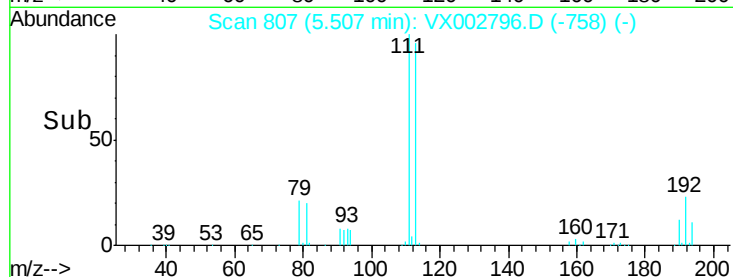
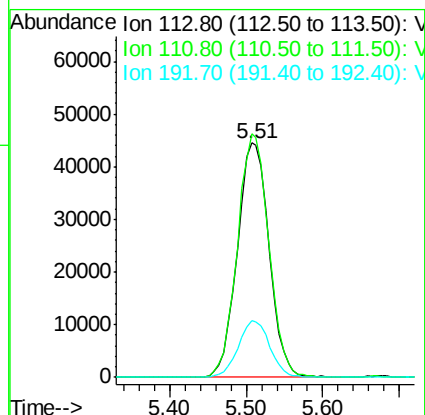
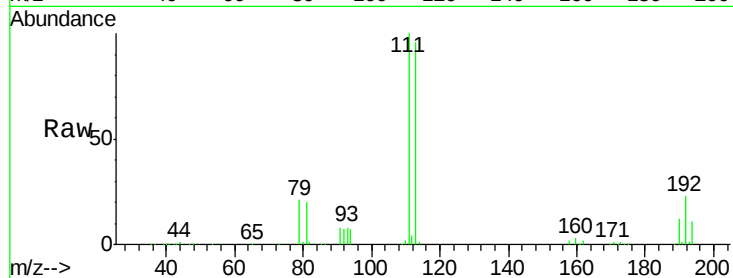




#35
Dibromofluoromethane
Concen: 48.38 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

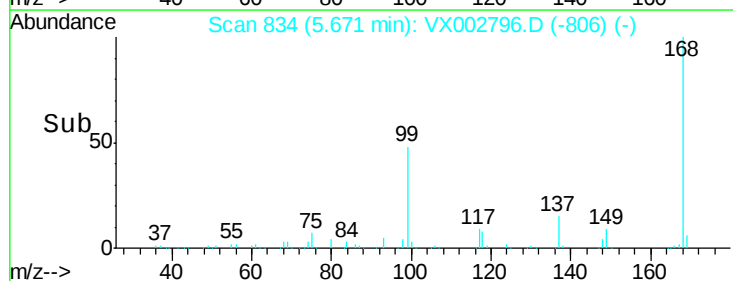
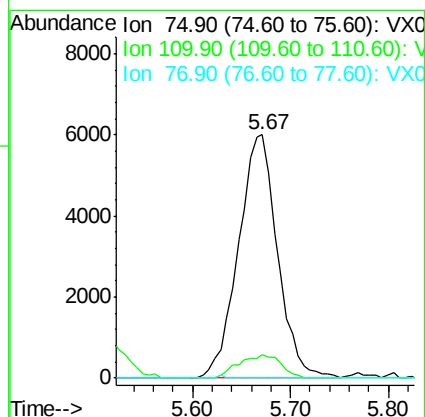
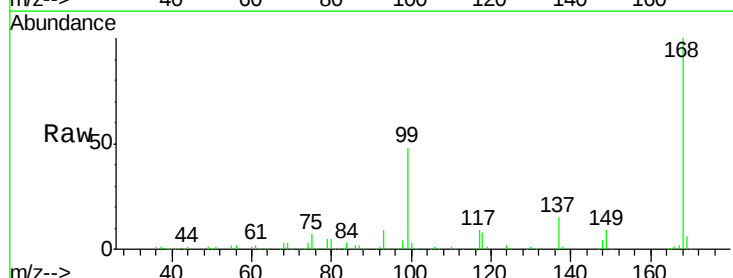
Instrument :
MSVOA_X
ClientSampleId :

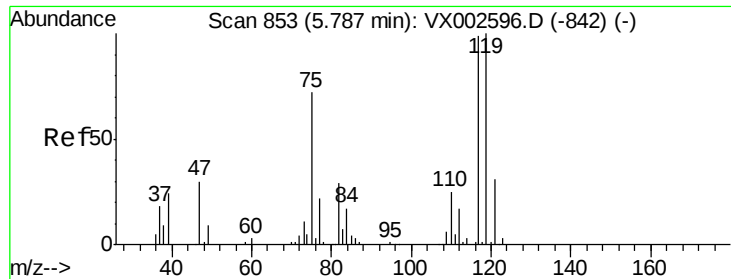
Tot Ion:113 Resp: 128014
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 24.1 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 75 Resp: 16627
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.4#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.31 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

ClientSampled :

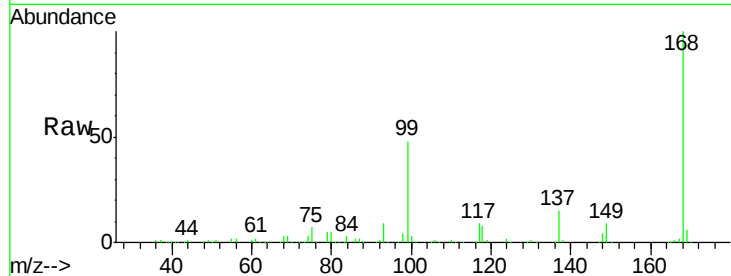
Tot Ion:117 Resp: 22134

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

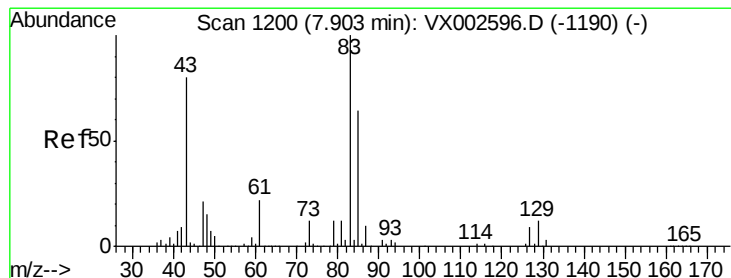
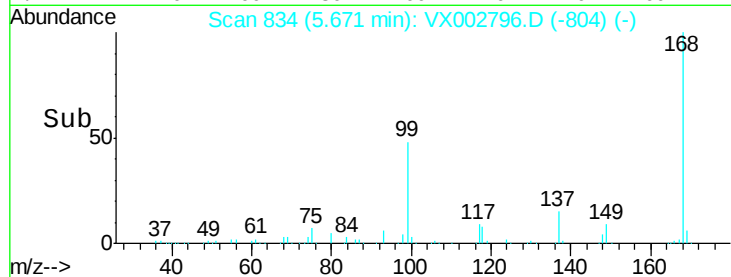
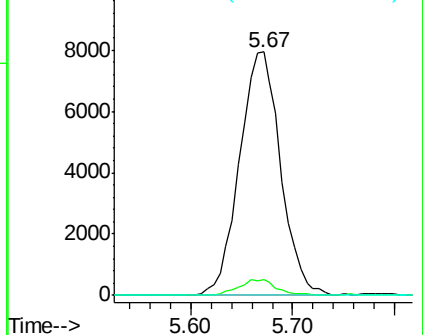
121 0.0 24.4 36.6#



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



#47

Bromodichloromethane

Concen: 0.34 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

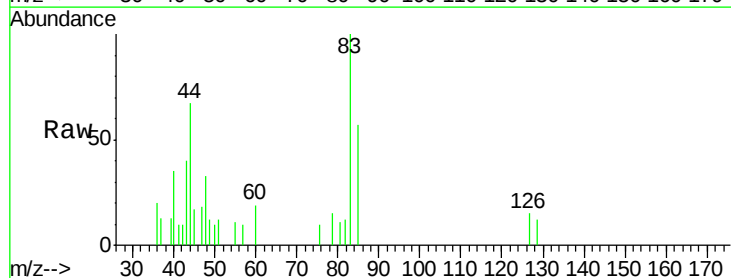
Tgt Ion: 83 Resp: 1111

Ion Ratio Lower Upper

83 100

85 56.7 50.3 75.5

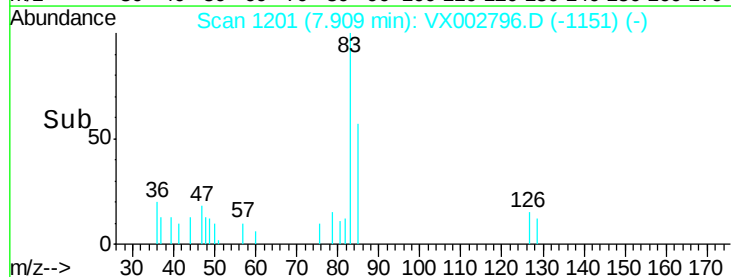
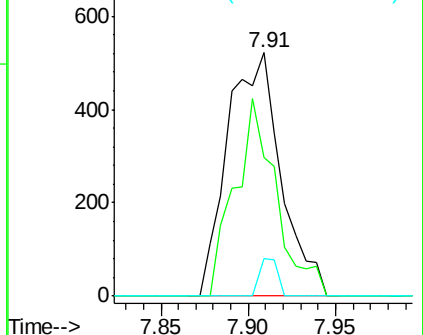
127 15.3 7.0 10.4#

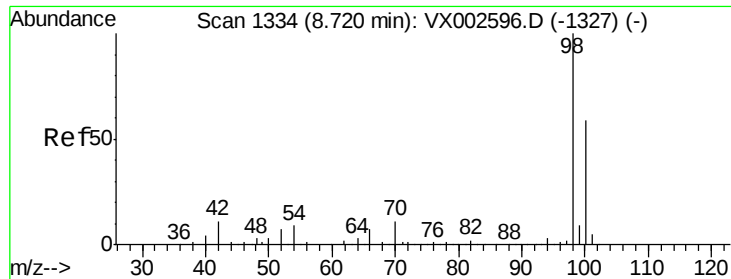


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

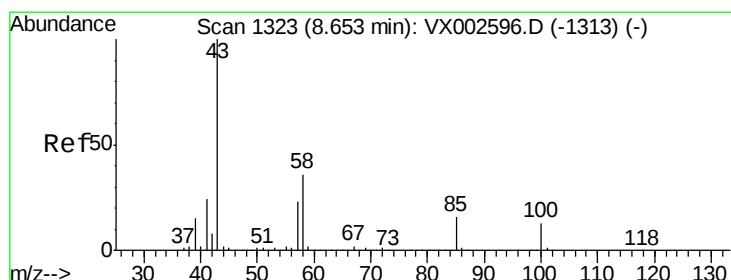
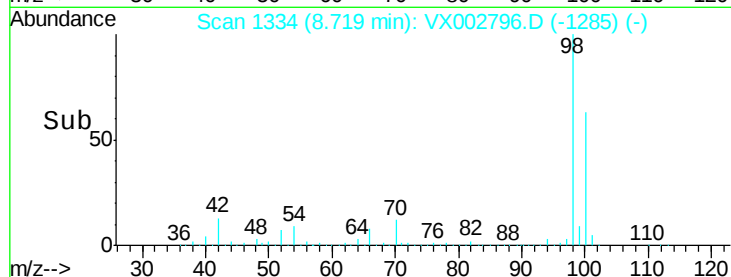
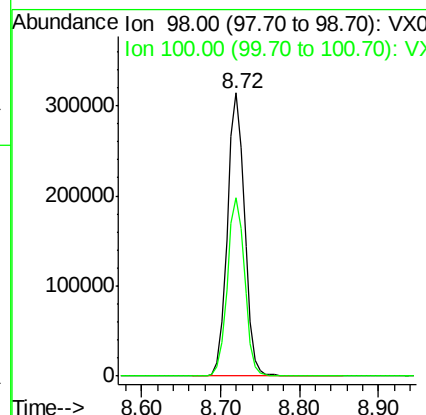
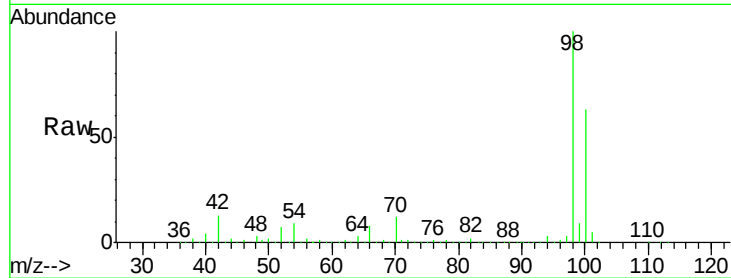




#50
Toluene-d8
Concen: 47.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

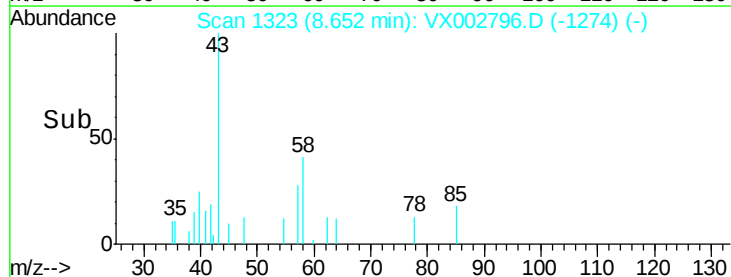
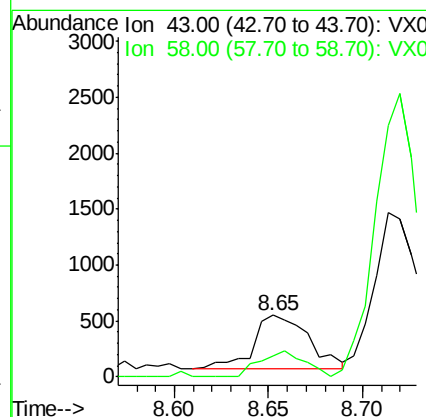
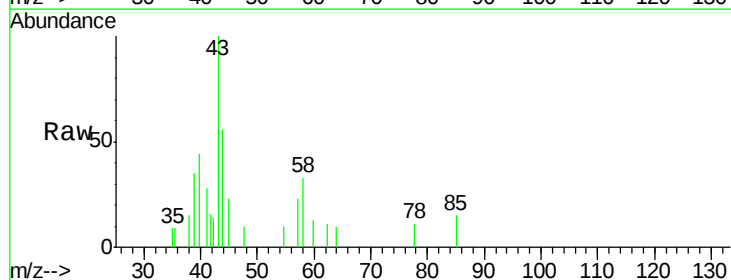
Instrument :
MSVOA_X
ClientSampleId :

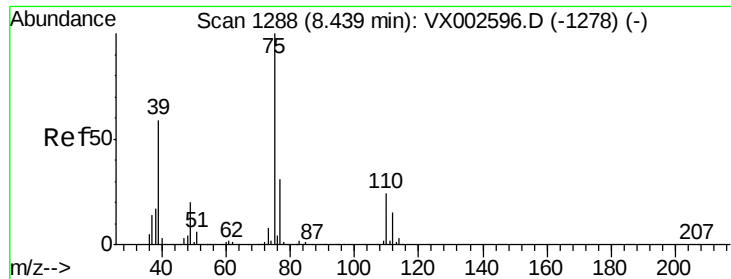
Tot Ion: 98 Resp: 476674
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
58 39.0 28.6 42.8

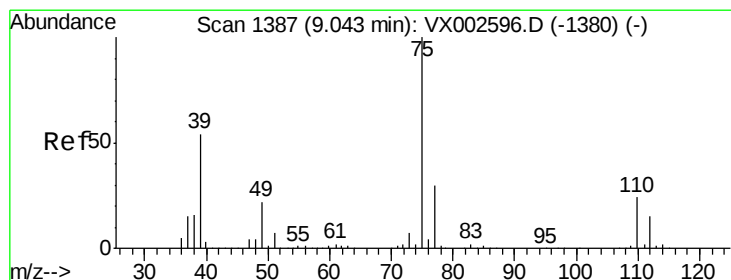
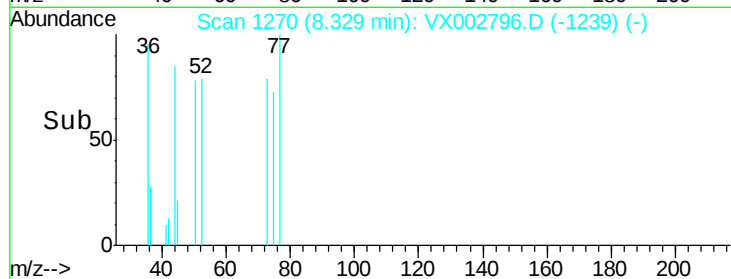
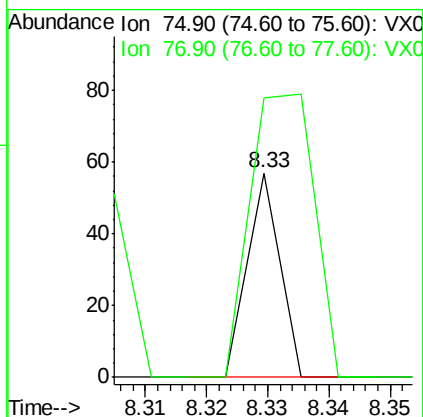
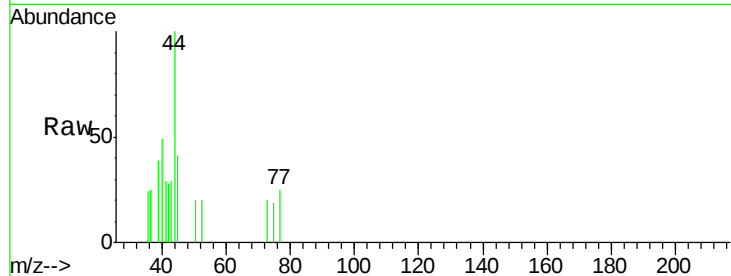




#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.33 min Scan# 1270
Delta R.T. -0.11 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

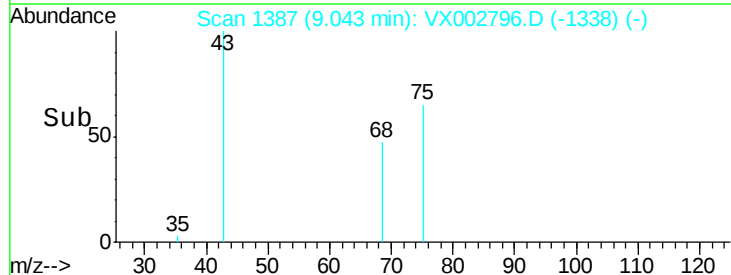
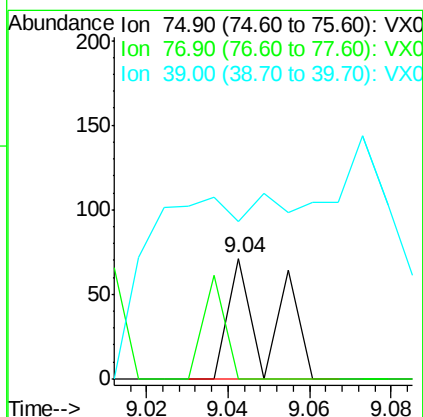
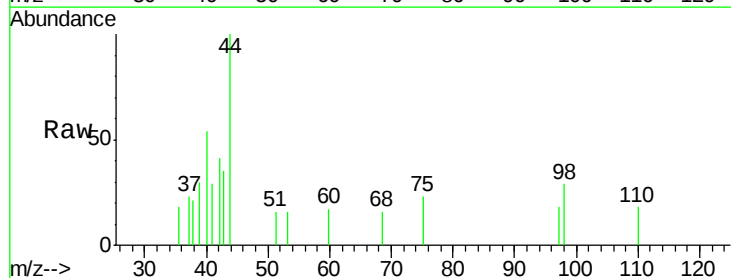
Instrument :
MSVOA_X
ClientSampleId :

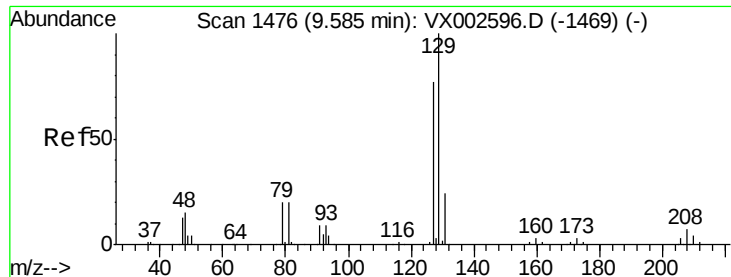
Tot Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 136.8 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 0.0 42.4 63.6#

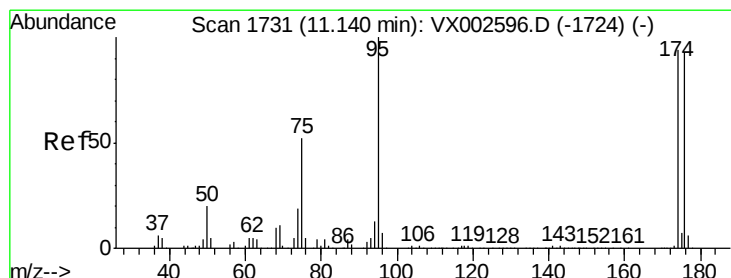
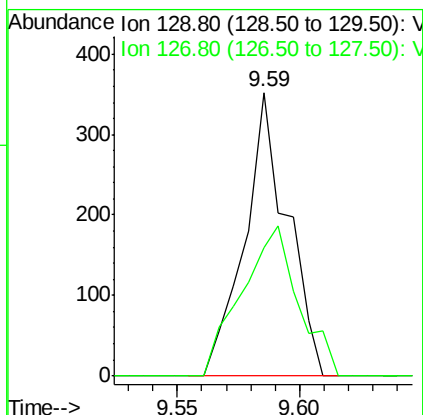
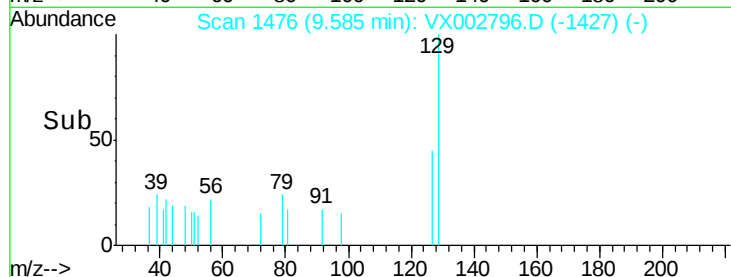
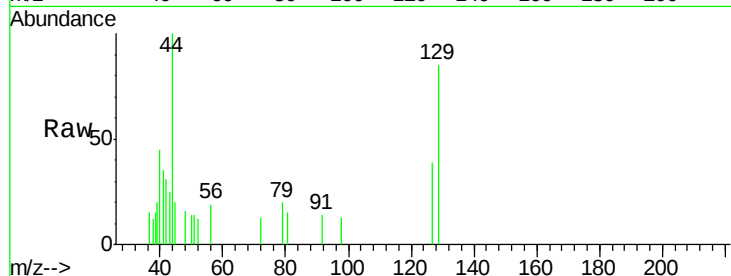




#60
Dibromochloromethane
Concen: 3.89 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

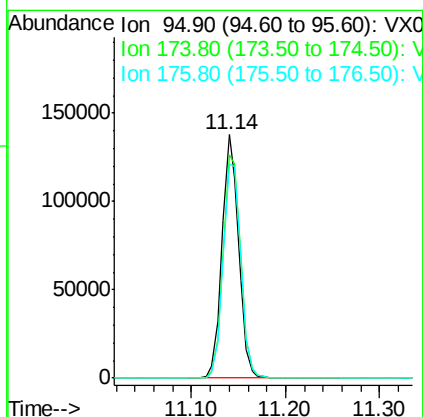
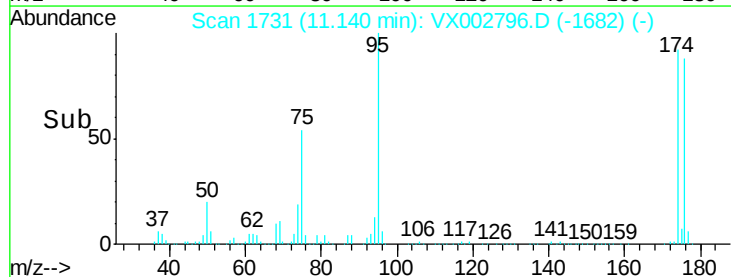
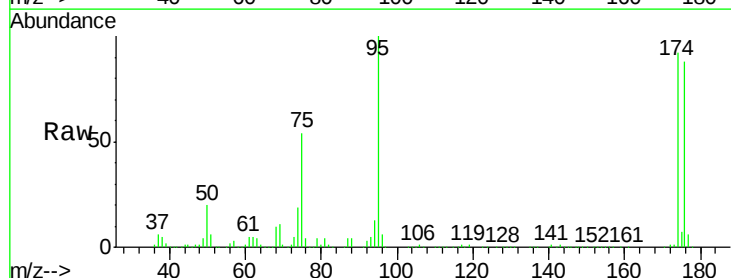
Instrument :
MSVOA_X
ClientSampleId :

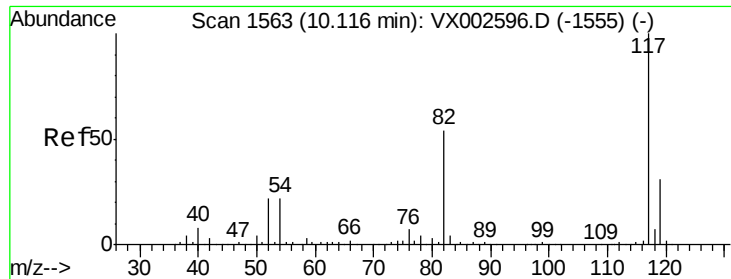
Tot Ion:129 Resp: 427
Ion Ratio Lower Upper
129 100
127 70.5 38.5 115.3



#62
4-Bromofluorobenzene
Concen: 44.15 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 95 Resp: 168101
Ion Ratio Lower Upper
95 100
174 96.8 0.0 187.4
176 94.1 0.0 181.0

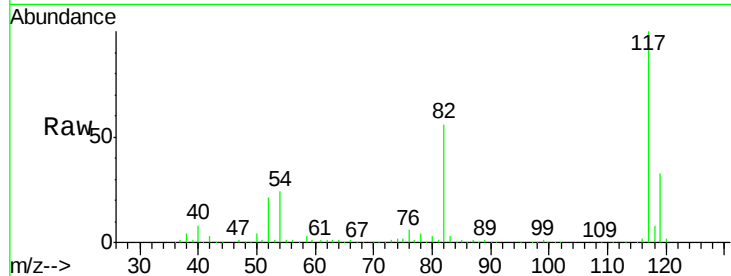




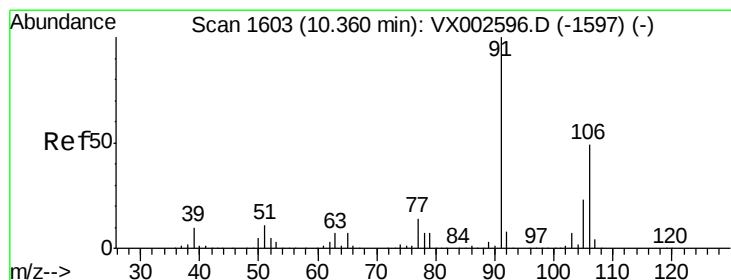
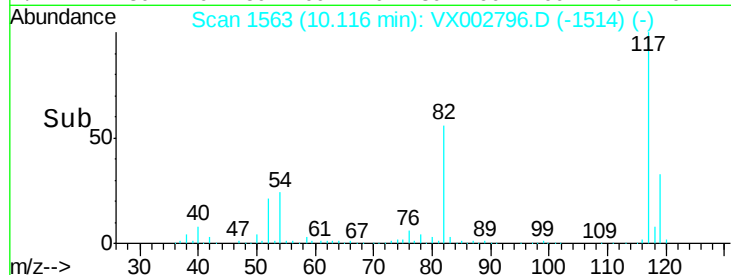
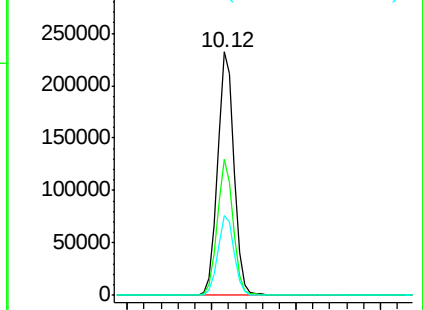
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 313996
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 32.7 25.8 38.6

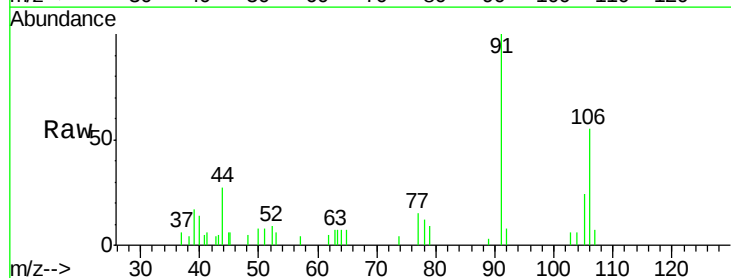


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

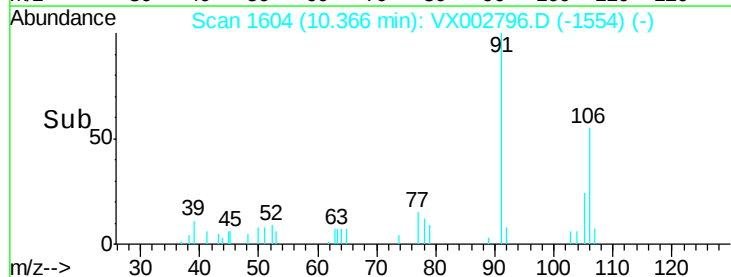
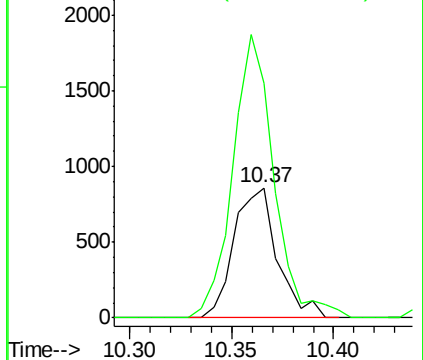


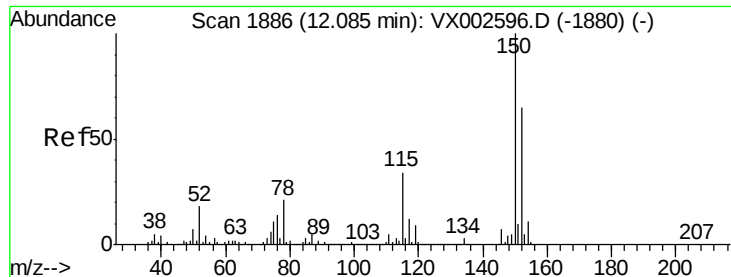
#68
m/p-Xylenes
Concen: 0.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion:106 Resp: 1265
Ion Ratio Lower Upper
106 100
91 206.5 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002796.D

Acq: 21 Jun 2018 18:42

Instrument :

MSVOA_X

ClientSampled :

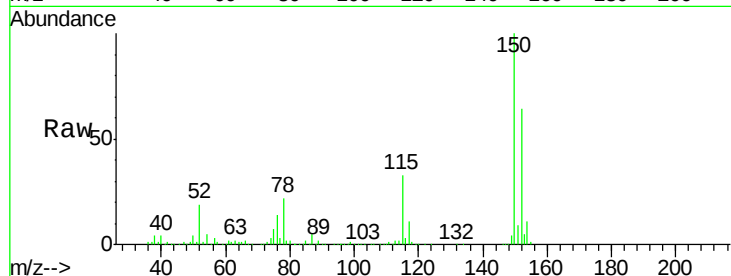
Tot Ion:152 Resp: 179482

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

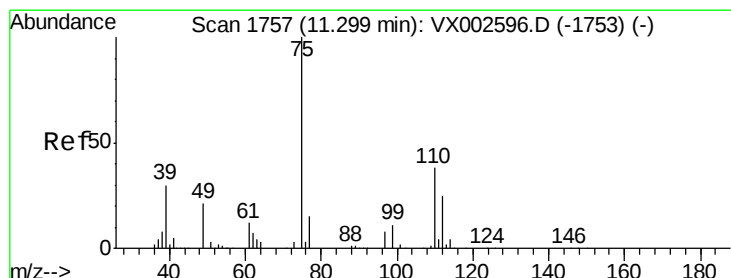
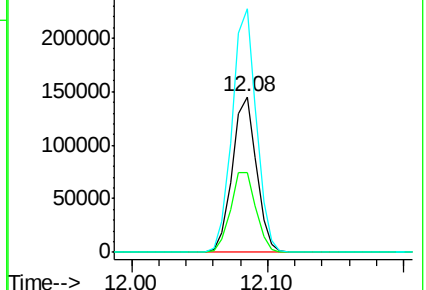
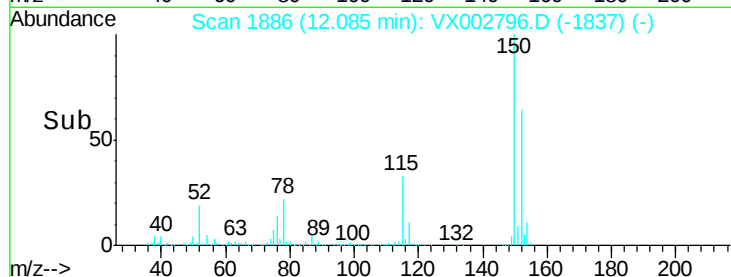
150 155.9 0.0 347.2



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: 26.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002796.D

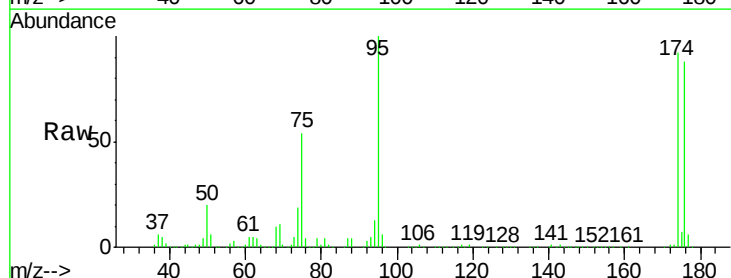
Acq: 21 Jun 2018 18:42

Tgt Ion: 75 Resp: 89194

Ion Ratio Lower Upper

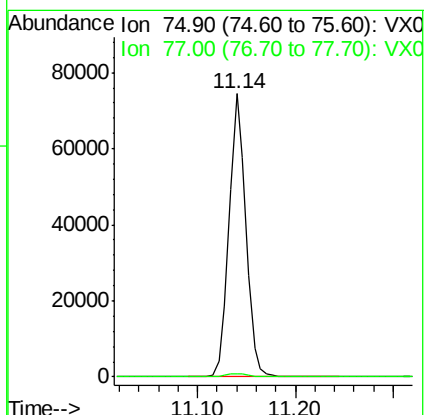
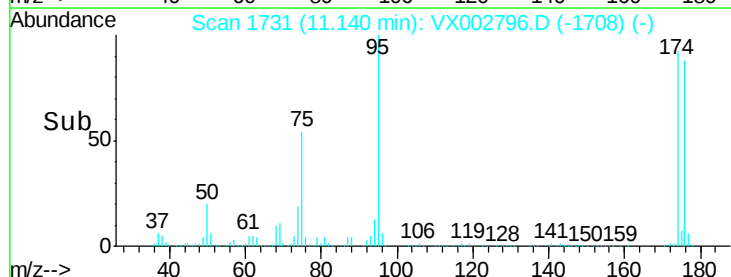
75 100

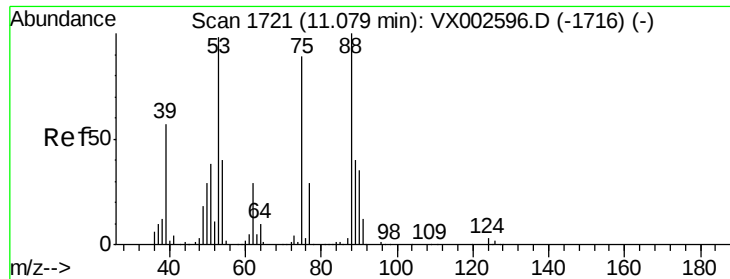
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

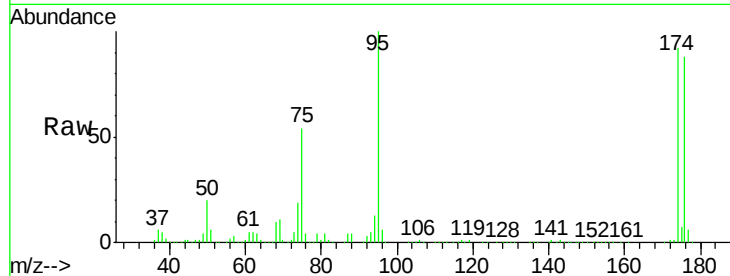




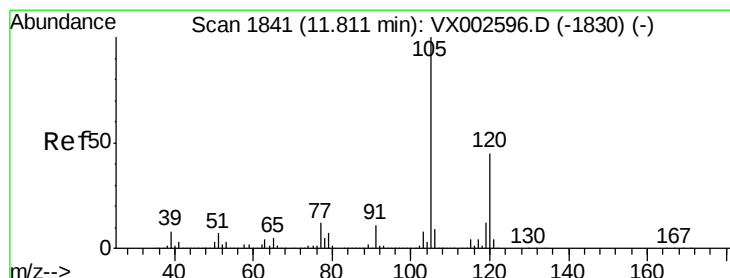
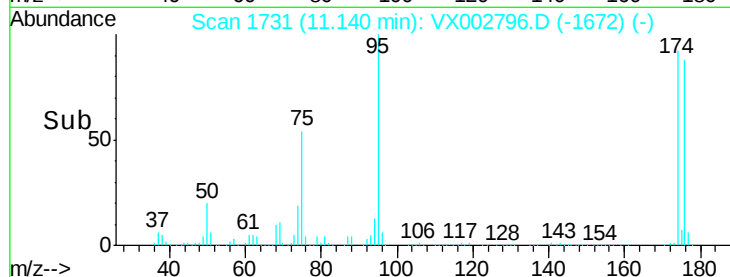
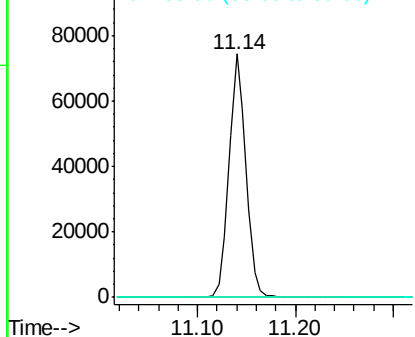
#81
trans-1,4-Dichloro-2-butene
Concen: 81.40 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 89194
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#

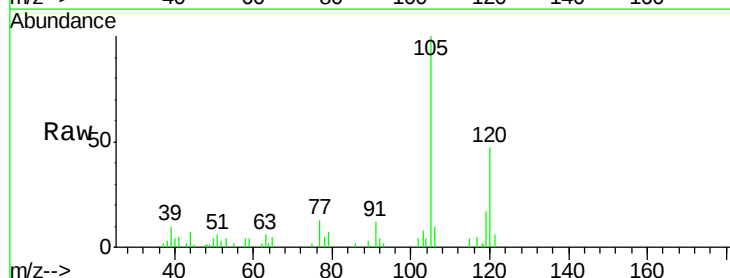


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

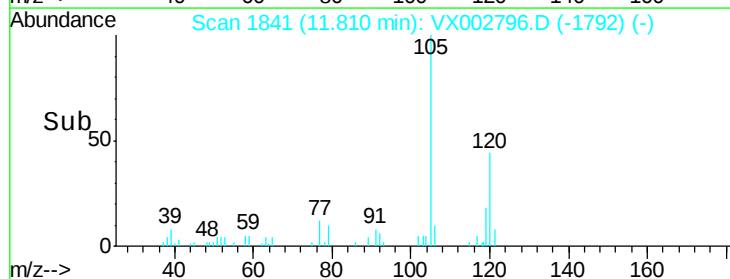
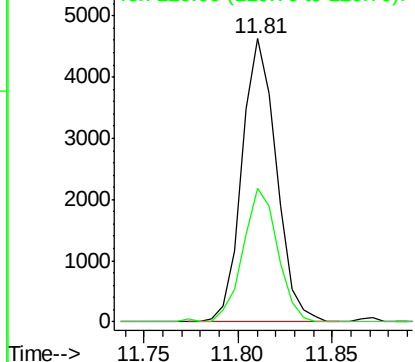


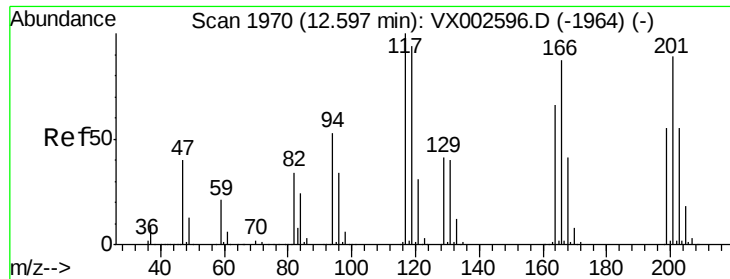
#84
1,2,4-Trimethylbenzene
Concen: 0.57 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion: 105 Resp: 5866
Ion Ratio Lower Upper
105 100
120 47.5 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

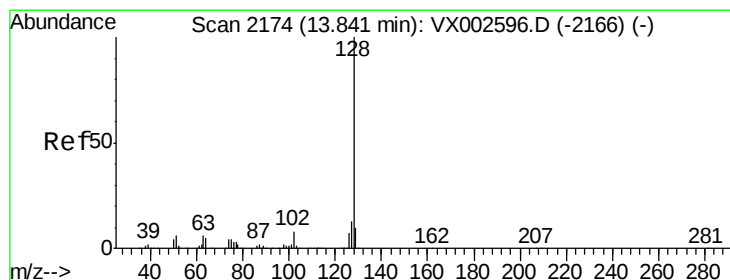
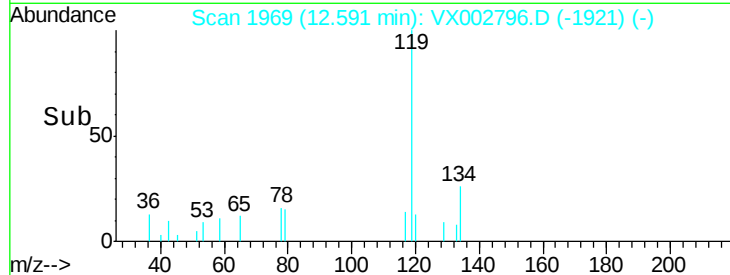
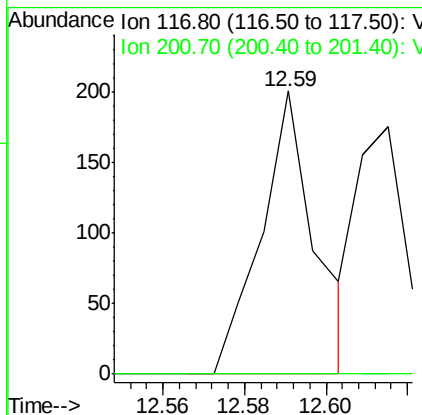
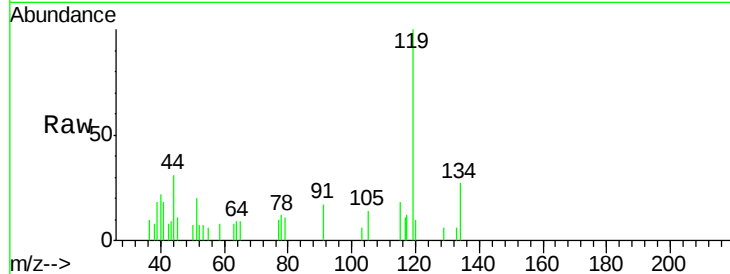




#90
Hexachloroethane
Concen: 2.73 ug/l
RT: 12.59 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 185
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#



#95
Naphthalene
Concen: 6.32 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002796.D
Acq: 21 Jun 2018 18:42

Tgt Ion:128 Resp: 76237
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.1 8.6 13.0

