

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002695.D
 Acq On : 18 Jun 2018 23:14
 Operator : JC/MD
 Sample : J3563-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:10:46 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	217772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	307409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168845	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	147390	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
35) Dibromofluoromethane	5.51	113	114509	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	
50) Toluene-d8	8.72	98	436610	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.14	95	155387	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1523	0.55	ug/l	# 85
5) Bromomethane	1.65	94	1720	1.00	ug/l	90
10) Methyl Iodide	2.53	142	3239	6.01	ug/l	97
11) Tert butyl alcohol	3.09	59	1303	1.90	ug/l	# 58
13) Acrolein	2.29	56	340	7.89	ug/l	# 70
15) Acrylonitrile	3.16	53	751	0.50	ug/l	# 84
16) Acetone	2.45	43	11646	7.98	ug/l	96
17) Carbon Disulfide	2.57	76	4260	0.74	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	3285	0.36	ug/l	98
20) Methylene Chloride	2.86	84	1077	0.36	ug/l	# 82
21) trans-1,2-Dichloroethene	3.17	96	569	0.22	ug/l	81
24) 1,1-Dichloroethane	3.70	63	2263	0.48	ug/l	# 95
25) 2-Butanone	4.72	43	3044	1.59	ug/l	91
30) Chloroform	5.23	83	1977	0.43	ug/l	98
31) Cyclohexane	5.58	56	5443	1.39	ug/l	95
38) Carbon Tetrachloride	5.67	117	20053	6.17	ug/l	# 17
39) Methylcyclohexane	7.46	83	4146	1.09	ug/l	97
40) Benzene	6.15	78	2743	0.28	ug/l	95
49) 1,4-Dioxane	7.77	88	63	1.06	ug/l	# 47
51) 4-Methyl-2-Pentanone	8.66	43	1009	0.26	ug/l	# 75
53) t-1,3-Dichloropropene	8.43	75	223	2.45	ug/l	# 50
54) cis-1,3-Dichloropropene	9.04	75	273	3.28	ug/l	# 1
55) 1,1,2-Trichloroethane	9.16	97	1410	0.56	ug/l	# 19
60) Dibromochloromethane	9.60	129	54	3.78	ug/l	# 52
67) Ethyl Benzene	10.26	91	15569	1.32	ug/l	97
68) m/p-Xylenes	10.37	106	9224	2.02	ug/l	99
69) o-Xylene	10.70	106	2712	0.61	ug/l	94
73) Isopropylbenzene	11.02	105	47063	4.17	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	990	0.30	ug/l	# 52
76) 1,2,3-Trichloropropane	11.14	75	82673	25.95	ug/l	# 33
78) n-propylbenzene	11.37	91	54587	4.21	ug/l	99
79) 2-Chlorotoluene	11.46	91	7796	1.01	ug/l	# 41
80) 1,3,5-Trimethylbenzene	11.51	105	17017	1.78	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	82673	80.26	ug/l	# 7

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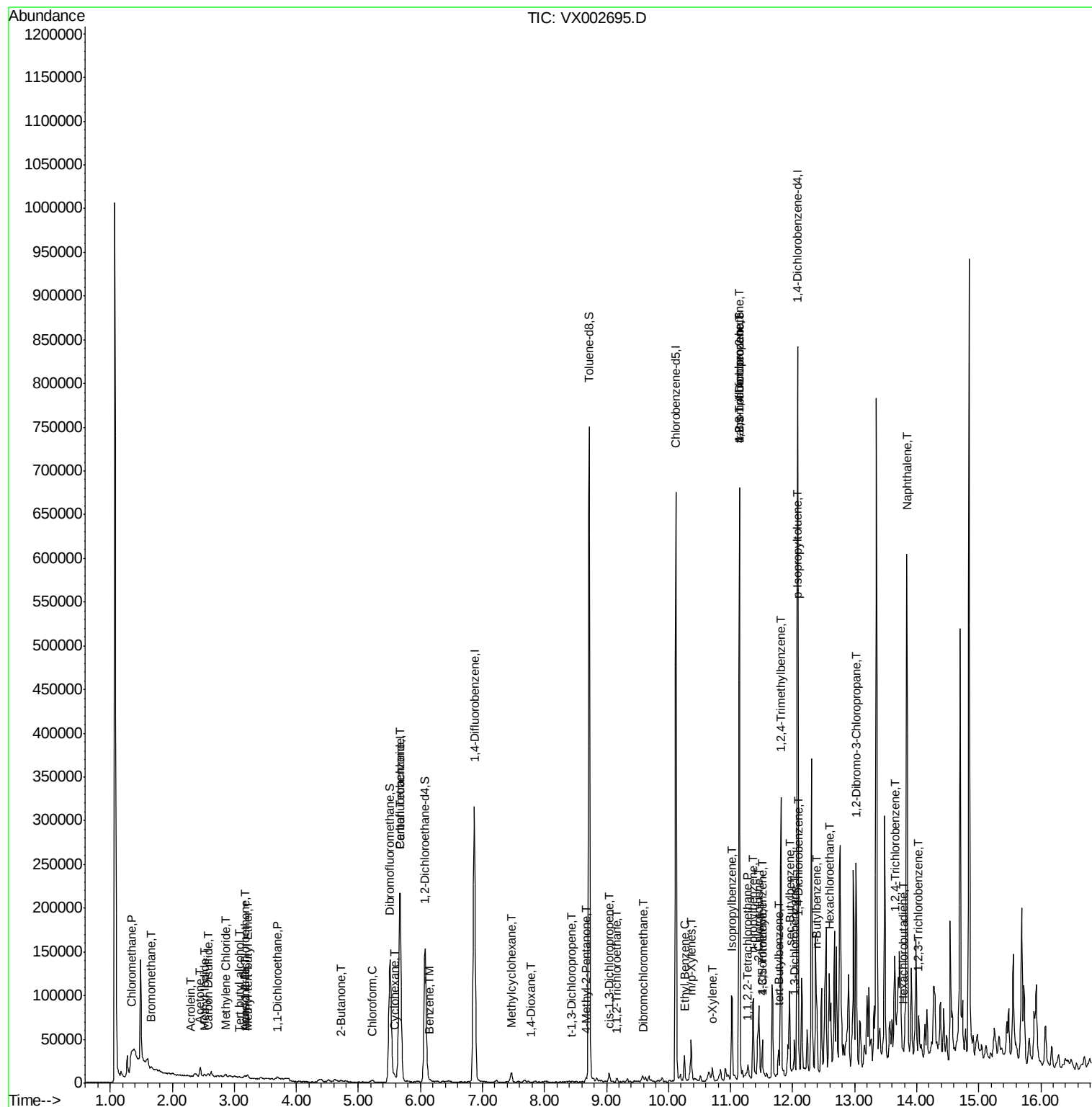
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.51	91	3598	0.39	ug/l #	70
83) tert-Butylbenzene	11.77	119	9867	1.07	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	127943	13.14	ug/l	97
85) sec-Butylbenzene	11.95	105	43573	3.81	ug/l	81
86) p-Isopropyltoluene	12.07	119	16585	1.60	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	1198	0.21	ug/l #	80
88) 1,4-Dichlorobenzene	12.10	146	1553	0.26	ug/l #	1
89) n-Butylbenzene	12.39	91	27567	3.02	ug/l #	52
90) Hexachloroethane	12.59	117	7778	7.20	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1002	1.43	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1768	0.42	ug/l #	1
94) Hexachlorobutadiene	13.79	225	743	0.33	ug/l	96
95) Naphthalene	13.84	128	358712	31.63	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1388	0.33	ug/l #	1

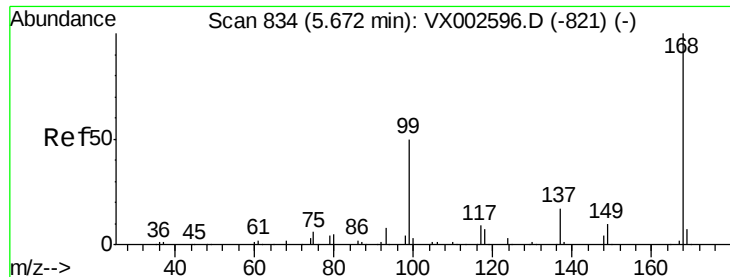
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

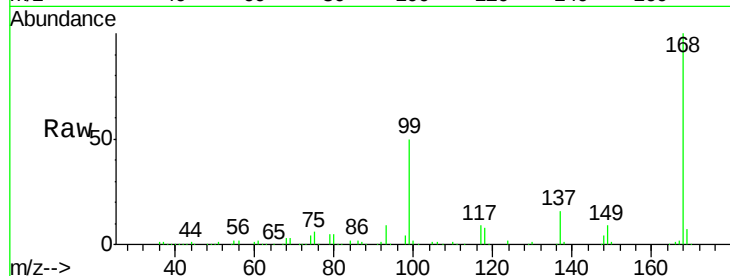
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 217772

Ion Ratio Lower Upper

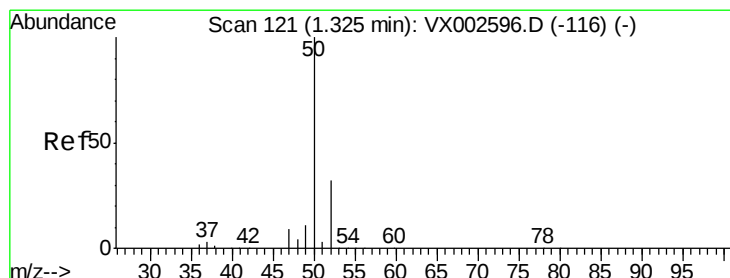
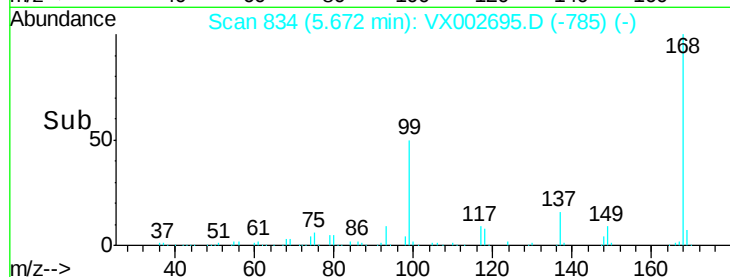
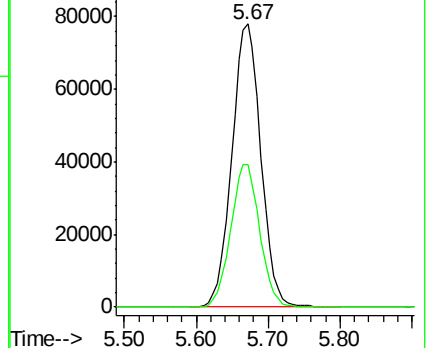
168 100

99 50.1 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: 0.55 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002695.D

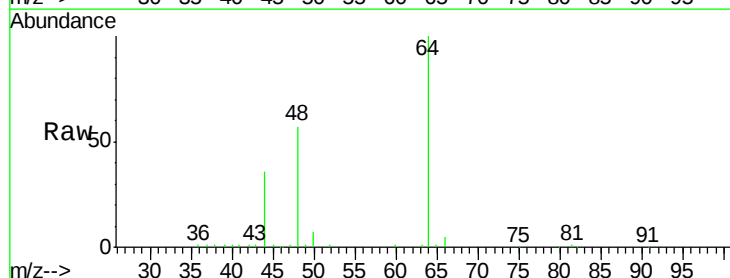
Acq: 18 Jun 2018 23:14

Tgt Ion: 50 Resp: 1523

Ion Ratio Lower Upper

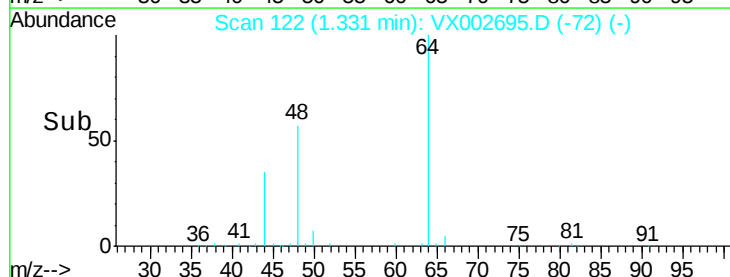
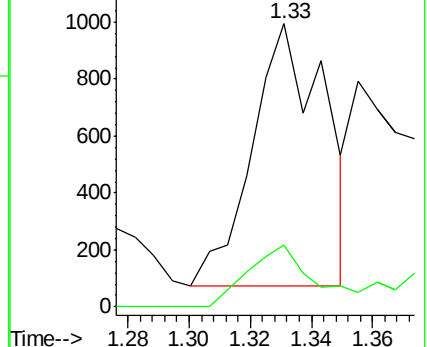
50 100

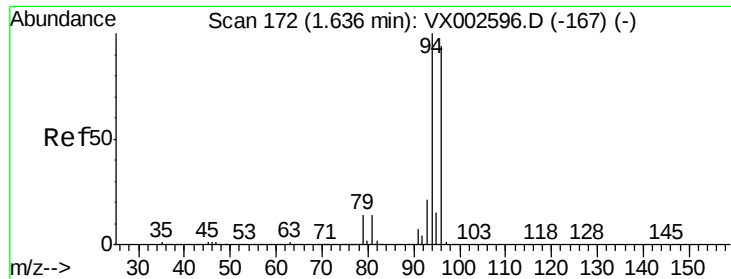
52 23.6 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.00 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

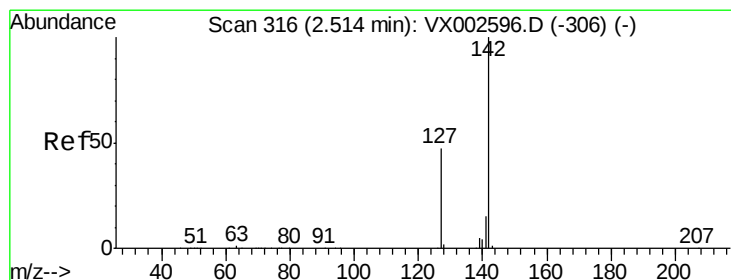
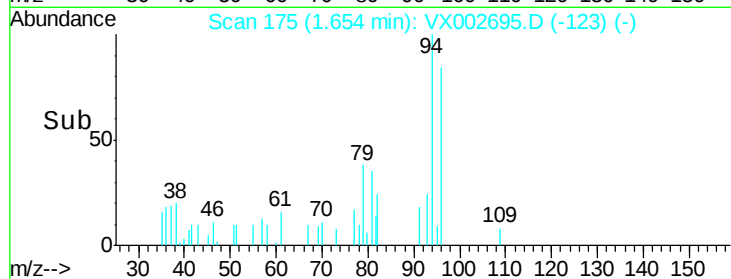
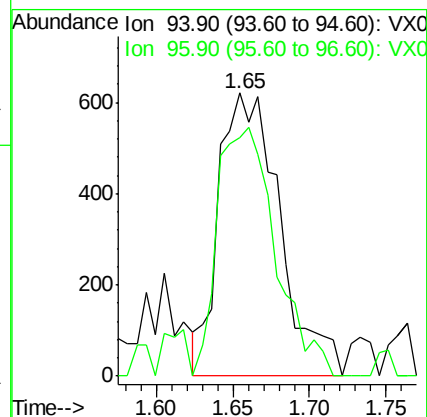
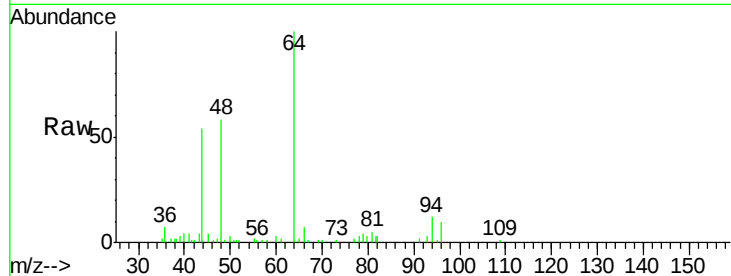
ClientSampleId :

Tot Ion: 94 Resp: 1720

Ion Ratio Lower Upper

94 100

96 84.4 74.9 112.3



#10

Methyl Iodide

Concen: 6.01 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

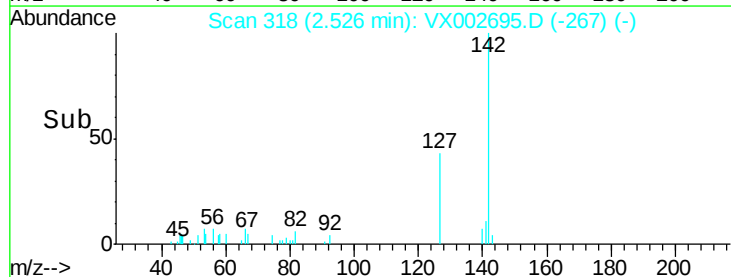
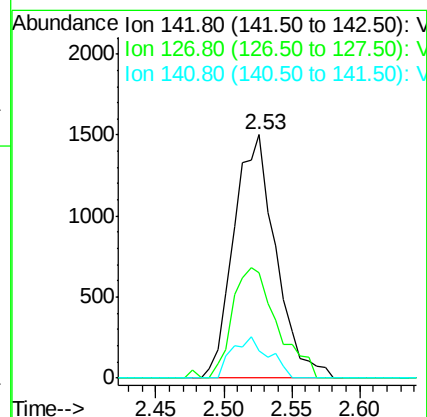
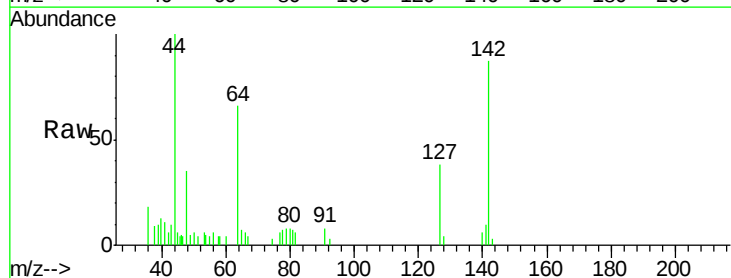
Tgt Ion:142 Resp: 3239

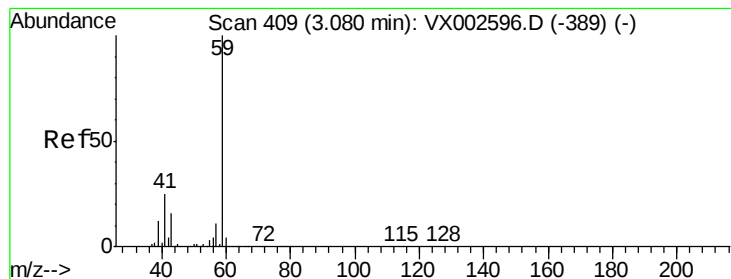
Ion Ratio Lower Upper

142 100

127 47.9 36.6 55.0

141 14.8 11.3 16.9



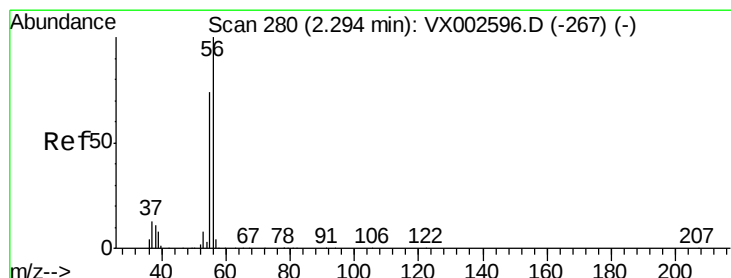
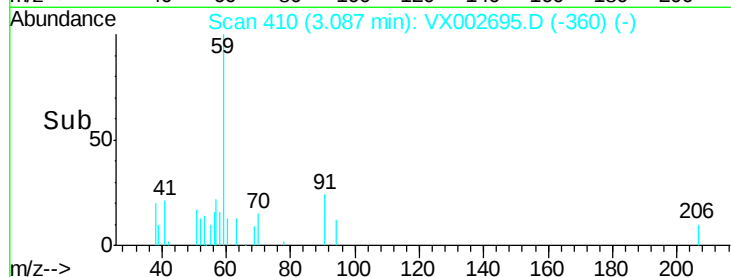
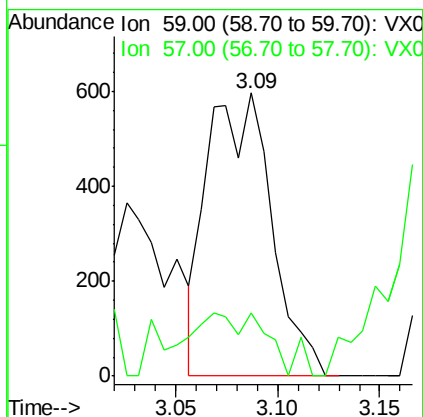
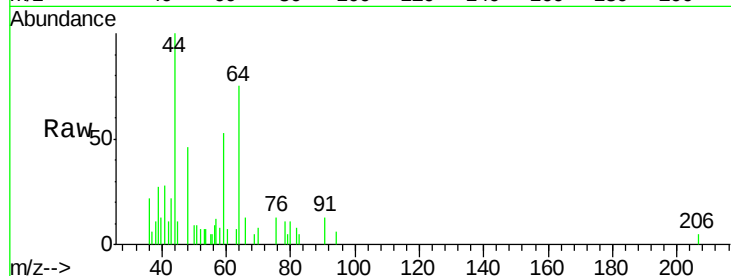


#11

Tert butvl alcohol
Concen: 1.90 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampleId :

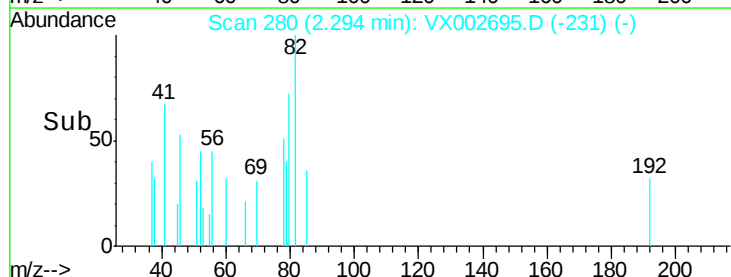
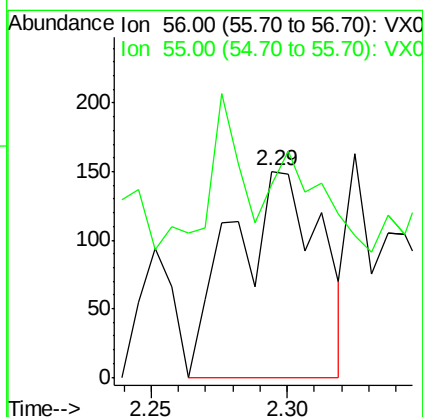
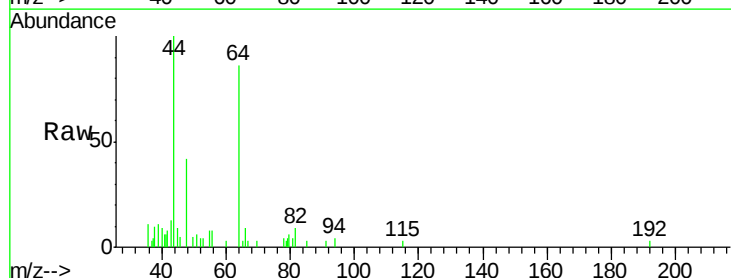
Tot Ion: 59 Resp: 1303
Ion Ratio Lower Upper
59 100
57 25.8 8.2 12.2#

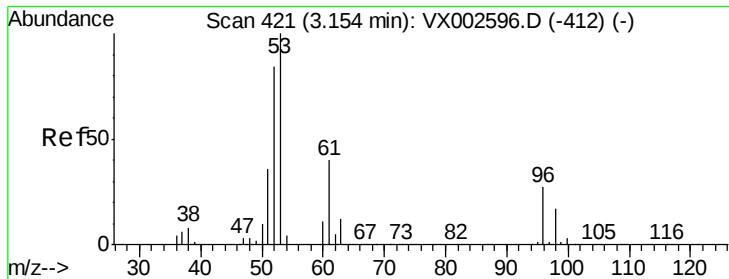


#13

Acrolein
Concen: 7.89 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 56 Resp: 340
Ion Ratio Lower Upper
56 100
55 46.8 57.0 85.4#





#15

Acrylonitrile

Concen: 0.50 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampleId :

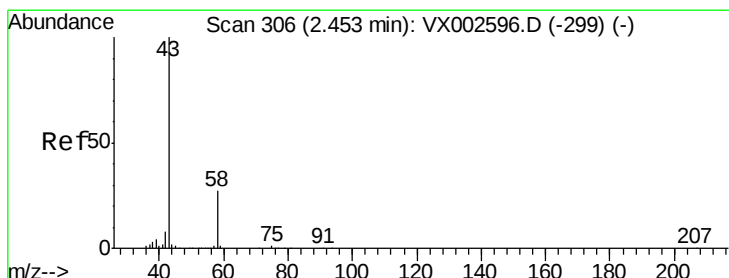
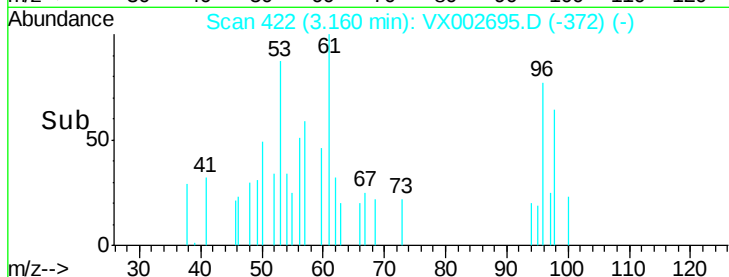
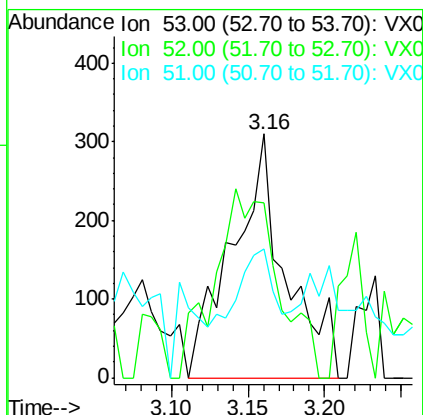
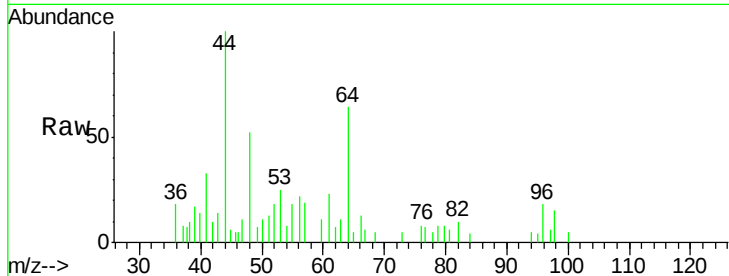
Tot Ion: 53 Resp: 751

Ion Ratio Lower Upper

53 100

52 92.0 66.7 100.1

51 18.9 29.9 44.9#



#16

Acetone

Concen: 7.98 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002695.D

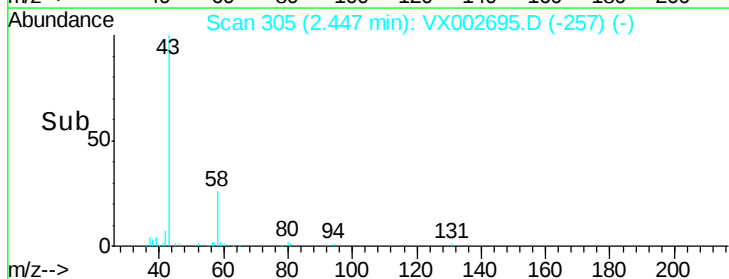
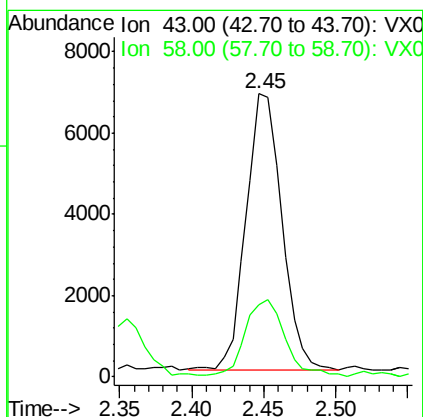
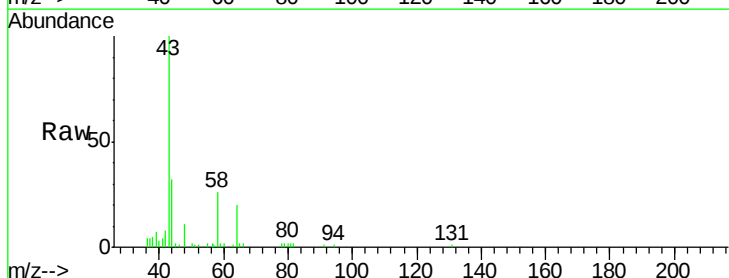
Acq: 18 Jun 2018 23:14

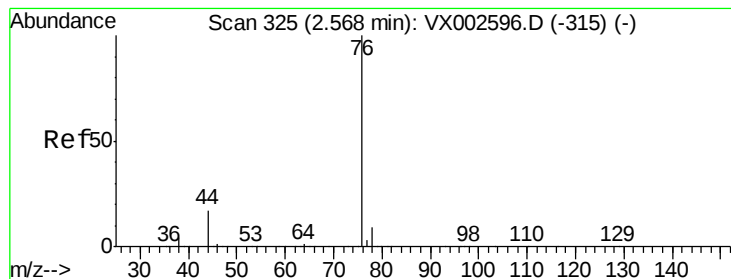
Tgt Ion: 43 Resp: 11646

Ion Ratio Lower Upper

43 100

58 25.3 22.1 33.1





#17

Carbon Disulfide

Concen: 0.74 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

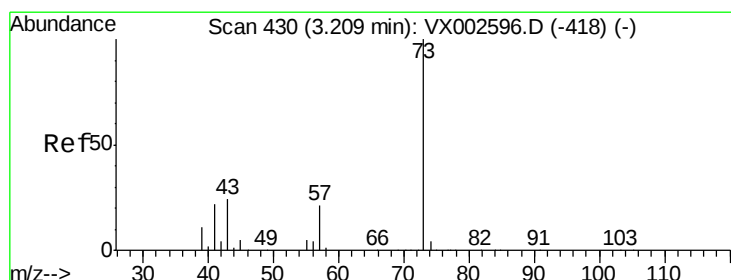
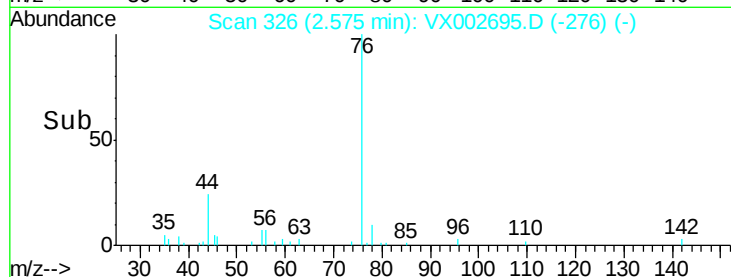
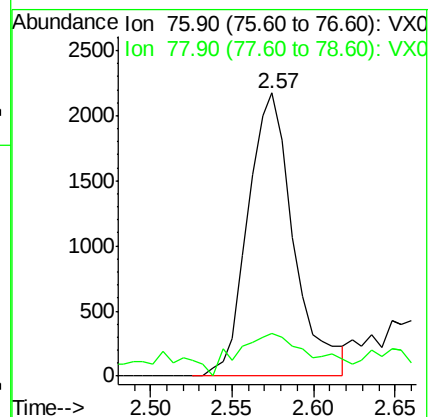
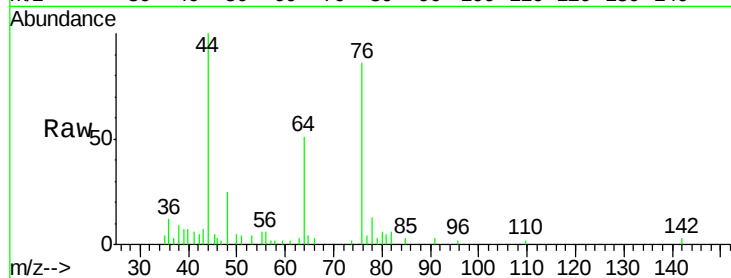
ClientSampleId :

Tot Ion: 76 Resp: 4260

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3



#19

Methyl tert-butyl Ether

Concen: 0.36 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX002695.D

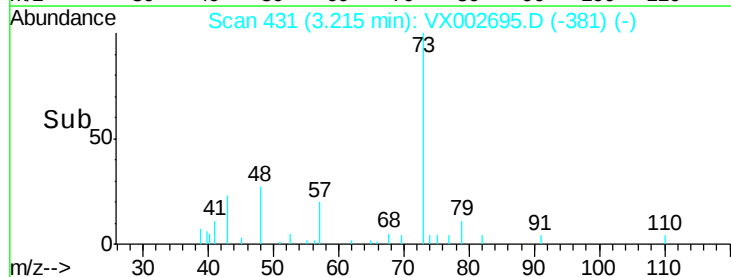
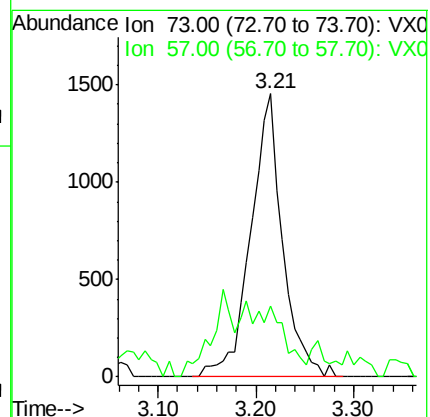
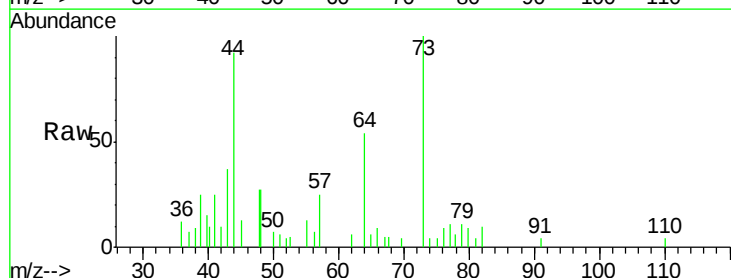
Acq: 18 Jun 2018 23:14

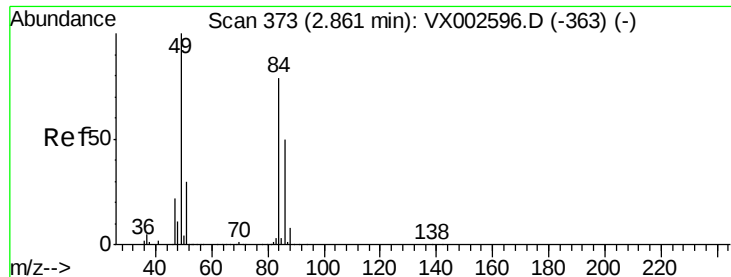
Tgt Ion: 73 Resp: 3285

Ion Ratio Lower Upper

73 100

57 21.0 17.7 26.5





#20

Methylene Chloride

Concen: 0.36 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 1077

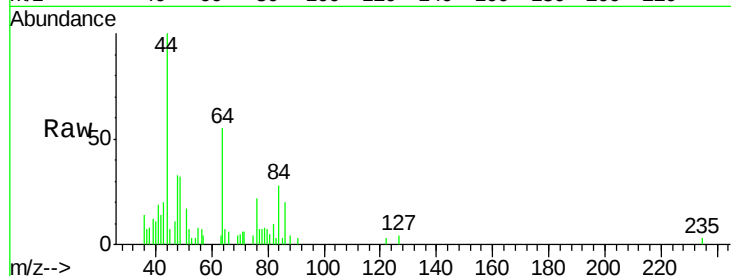
Ion Ratio Lower Upper

84 100

49 105.9 107.8 161.6#

51 49.5 32.8 49.2#

86 71.8 52.5 78.7

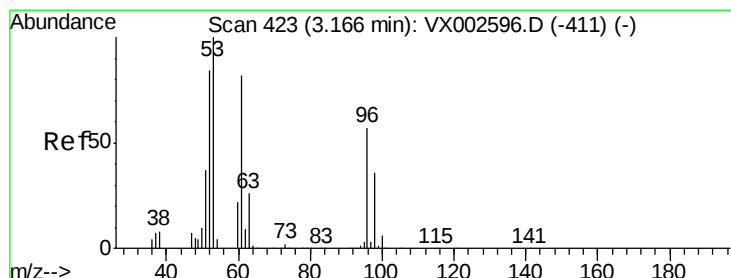
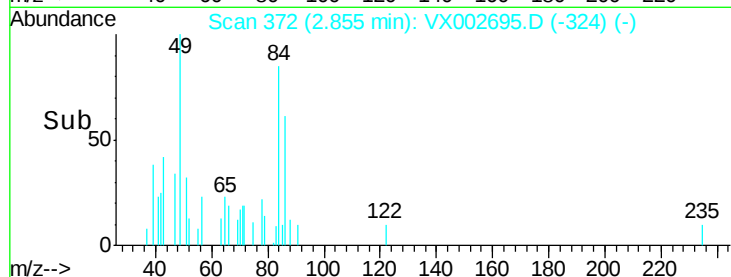
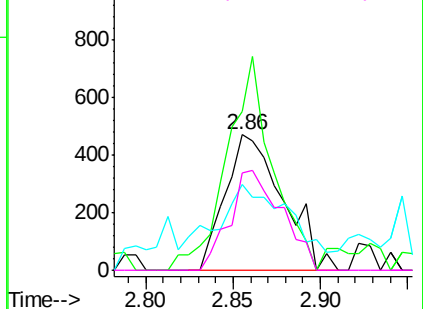


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.22 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

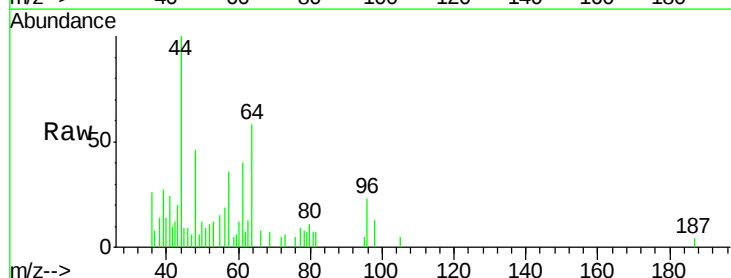
Tgt Ion: 96 Resp: 569

Ion Ratio Lower Upper

96 100

61 175.3 117.0 175.4

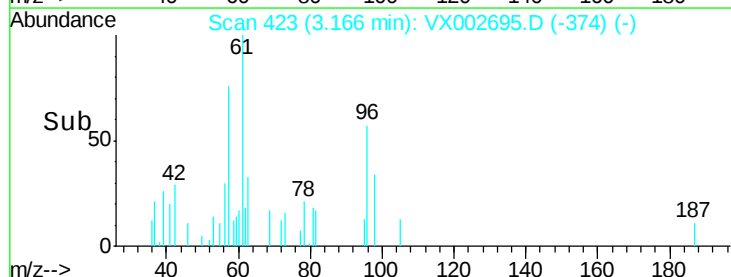
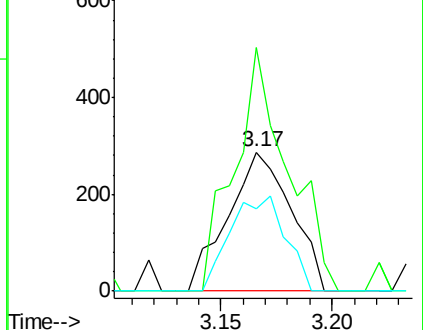
98 58.9 52.4 78.6

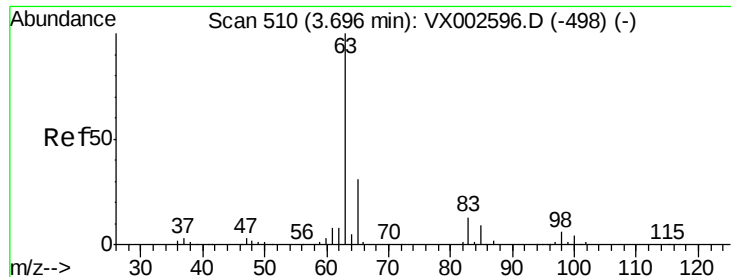


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 0.48 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampled :

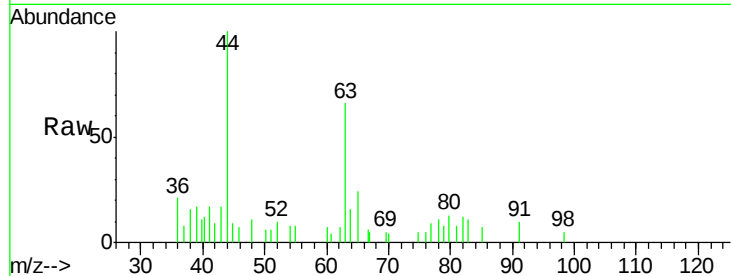
Tot Ion: 63 Resp: 2263

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

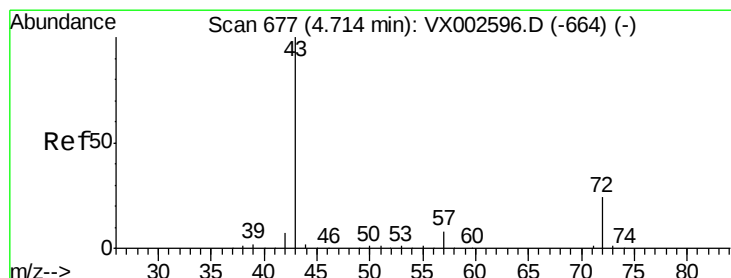
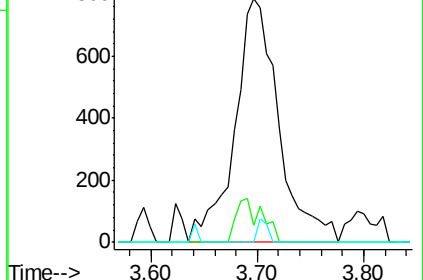
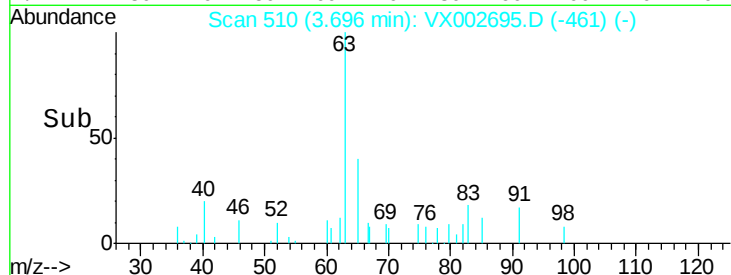
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 1.59 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002695.D

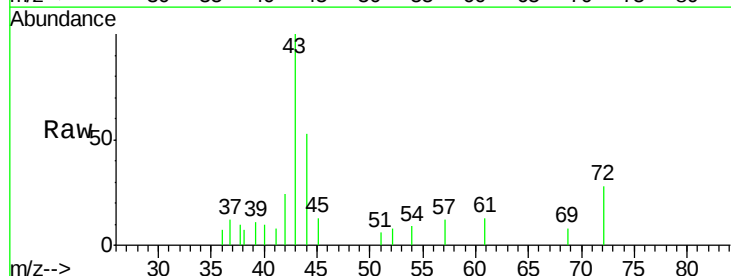
Acq: 18 Jun 2018 23:14

Tgt Ion: 43 Resp: 3044

Ion Ratio Lower Upper

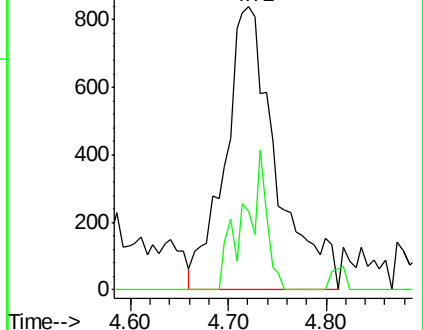
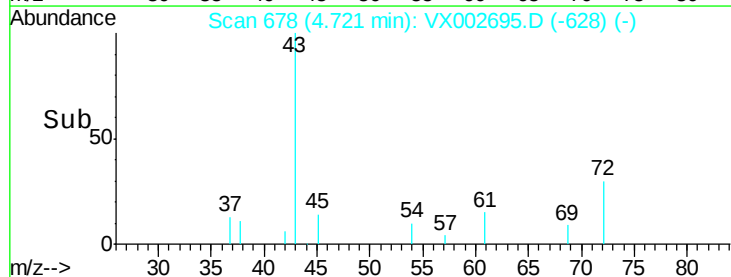
43 100

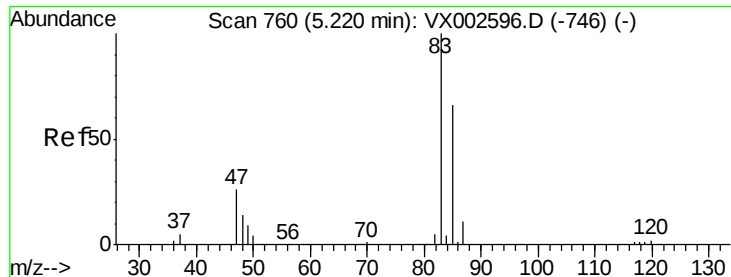
72 27.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

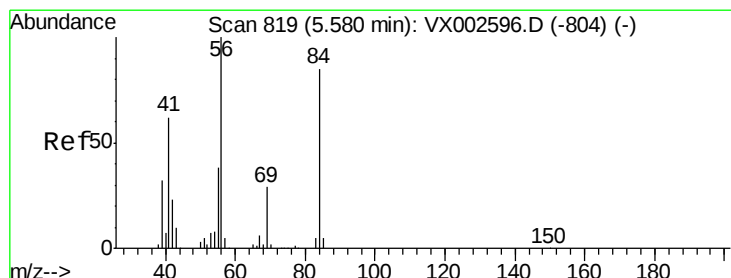
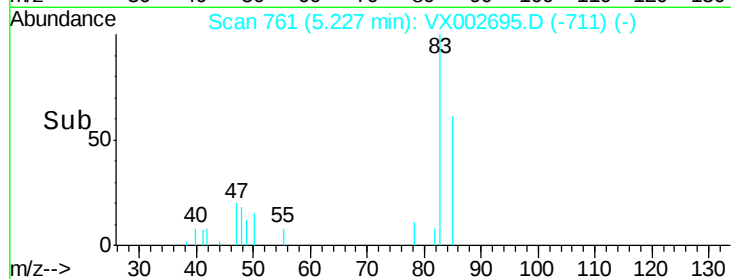
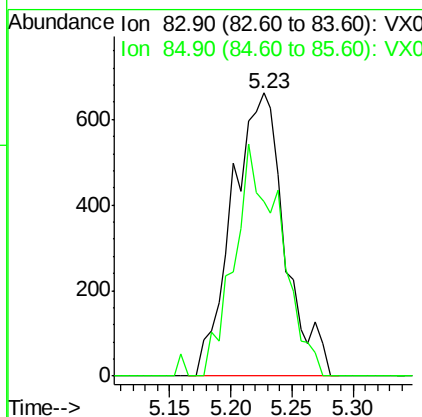
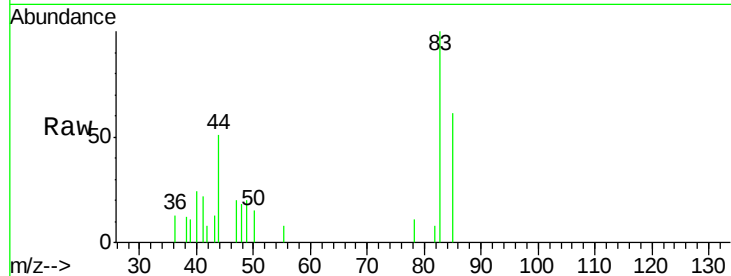




#30
Chloroform
Concen: 0.43 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

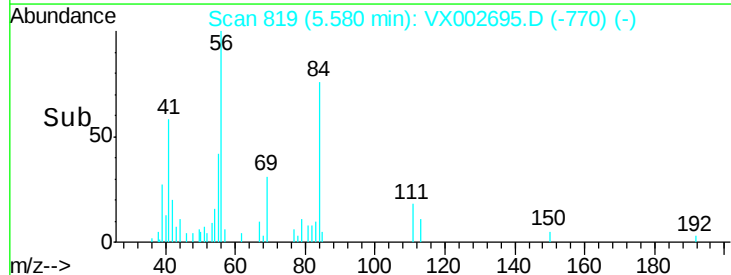
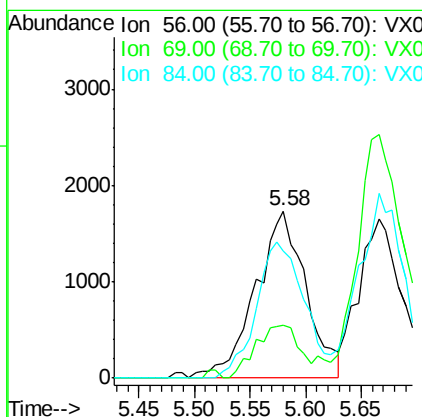
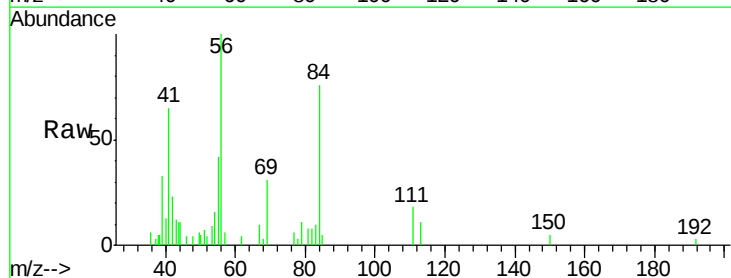
Instrument :
MSVOA_X
ClientSampled :

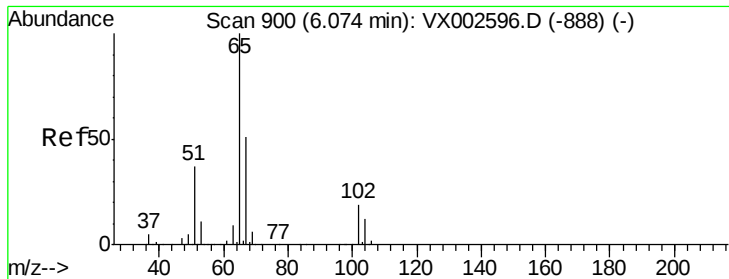
Tot Ion: 83 Resp: 1977
Ion Ratio Lower Upper
83 100
85 61.5 50.4 75.6



#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 56 Resp: 5443
Ion Ratio Lower Upper
56 100
69 31.3 23.7 35.5
84 75.7 64.1 96.1





#33

1,2-Dichloroethane-d4

Concen: 44.54 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

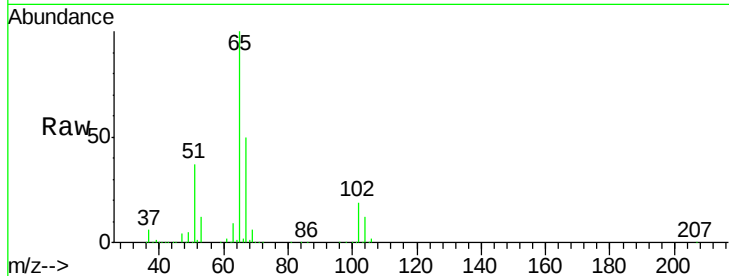
ClientSampleId :

Tot Ion: 65 Resp: 147390

Ion Ratio Lower Upper

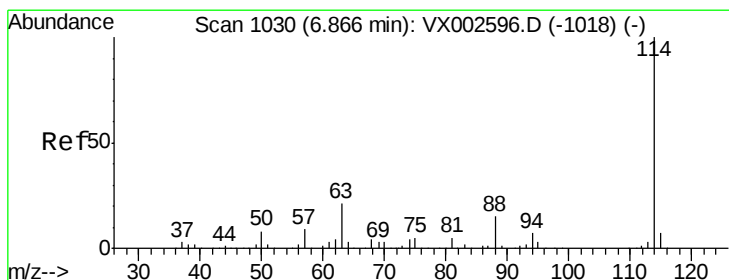
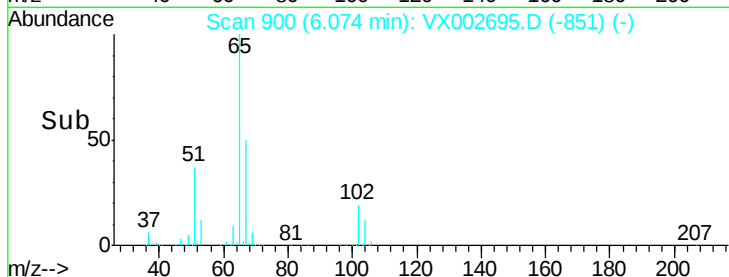
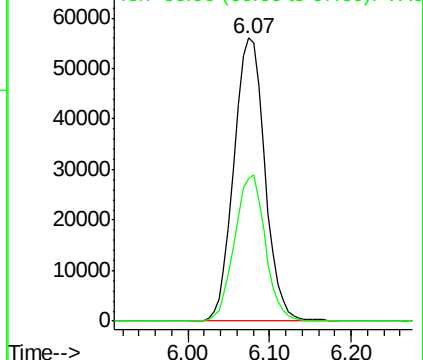
65 100

67 51.2 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: VX002695.D

Acq: 18 Jun 2018 23:14

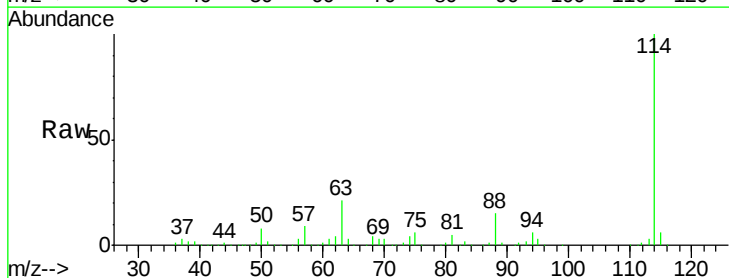
Tgt Ion: 114 Resp: 307409

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

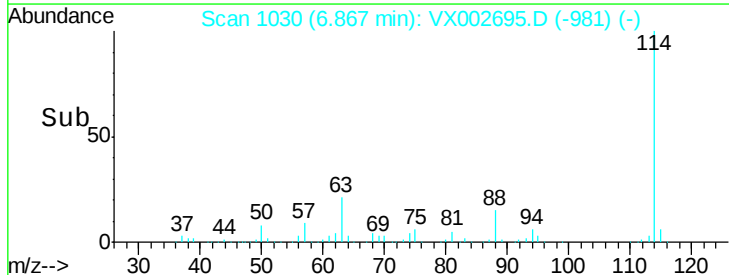
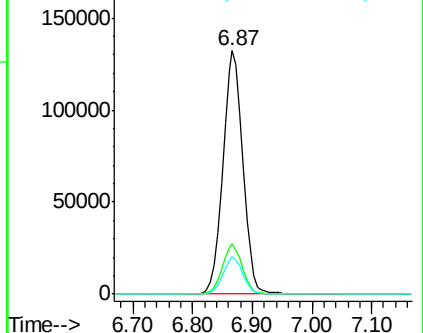
88 15.3 0.0 30.0

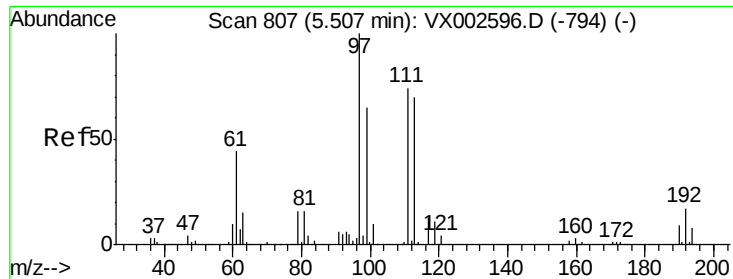


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

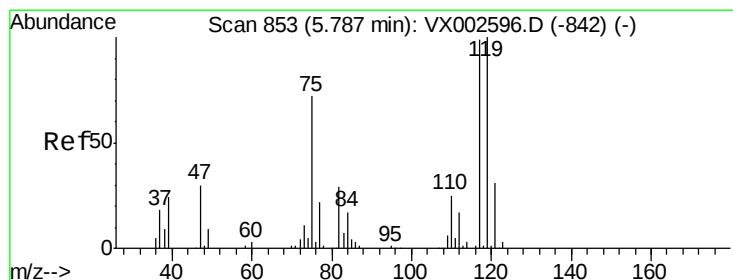
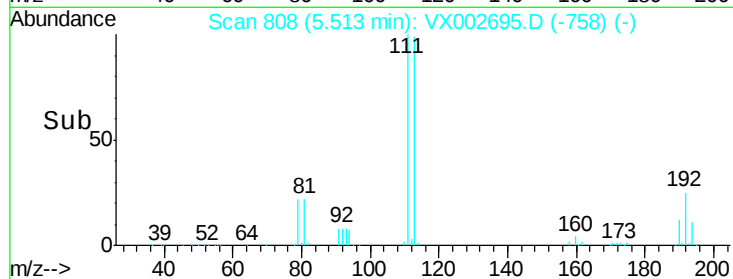
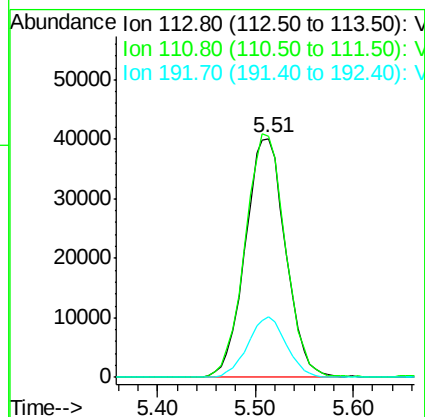
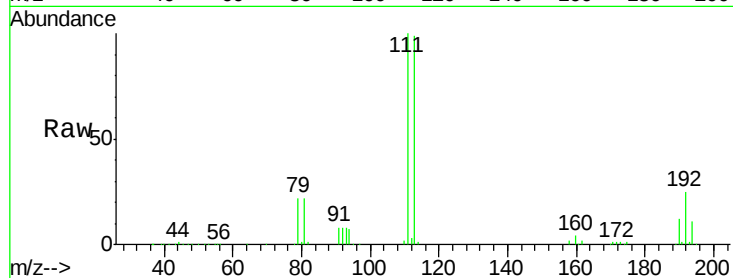




#35
Dibromofluoromethane
Concen: 46.67 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

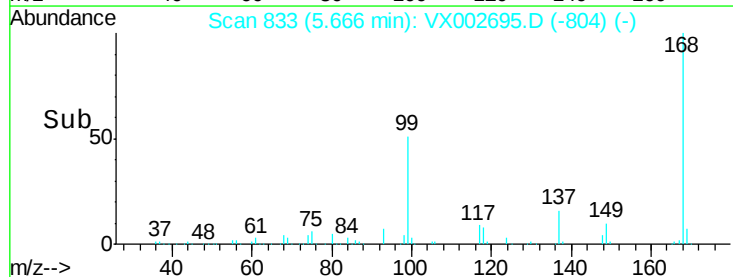
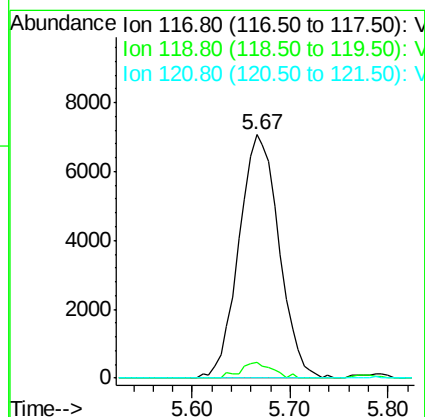
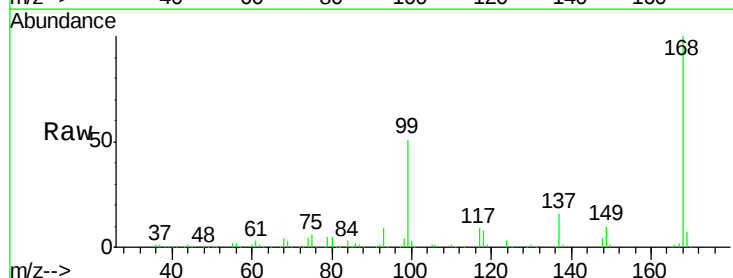
Instrument :
MSVOA_X
ClientSampled :

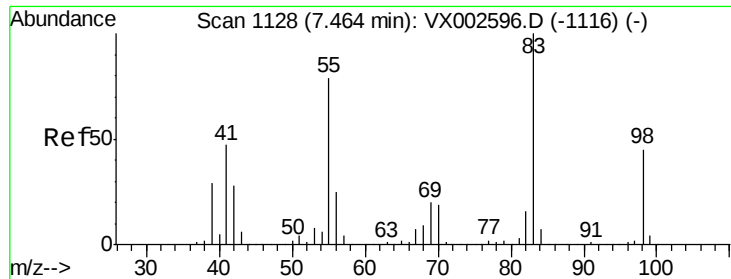
Tot Ion:113 Resp: 114509
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 24.3 19.1 28.7



#38
Carbon Tetrachloride
Concen: 6.17 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion:117 Resp: 20053
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 24.4 36.6#

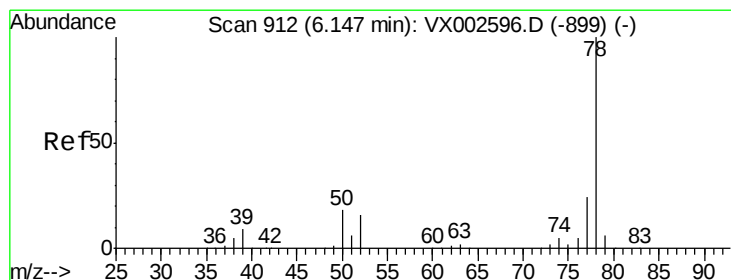
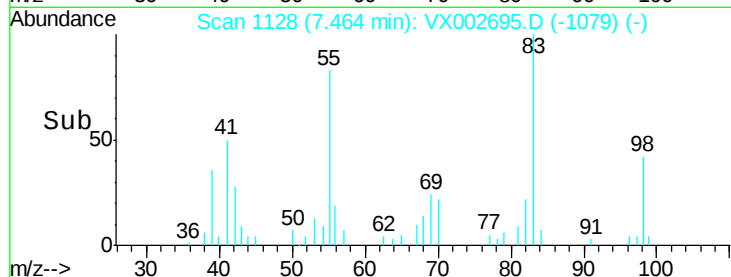
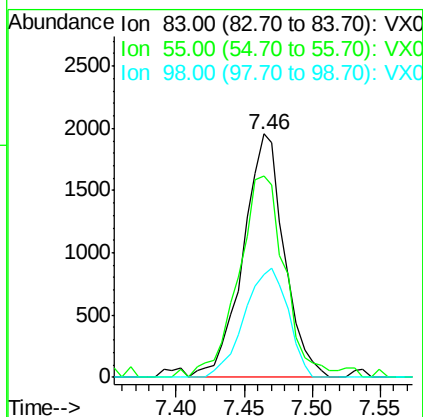
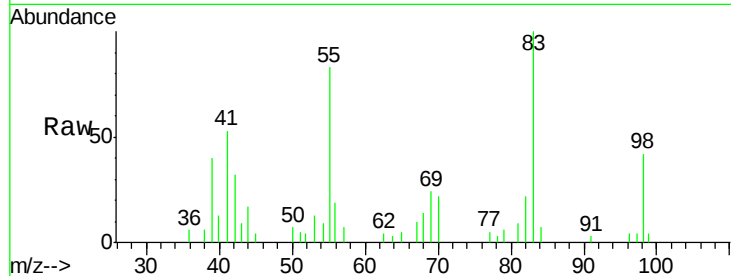




#39
Methvlcvclohexane
Concen: 1.09 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

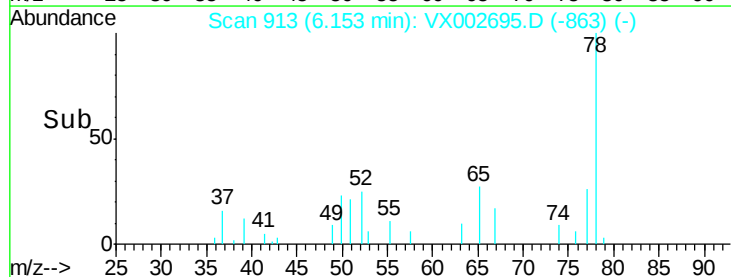
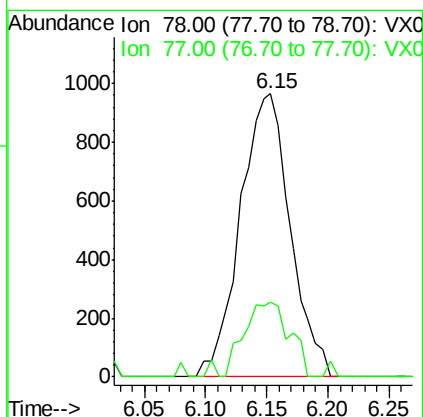
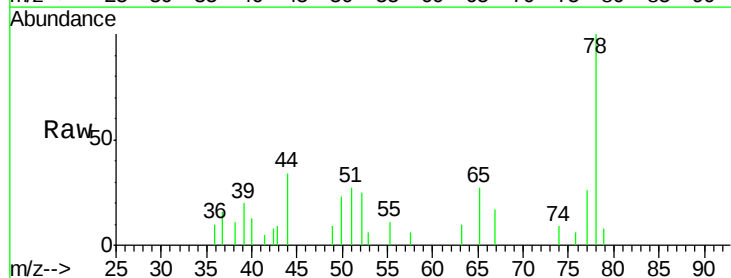
Instrument :
MSVOA_X
ClientSampled :

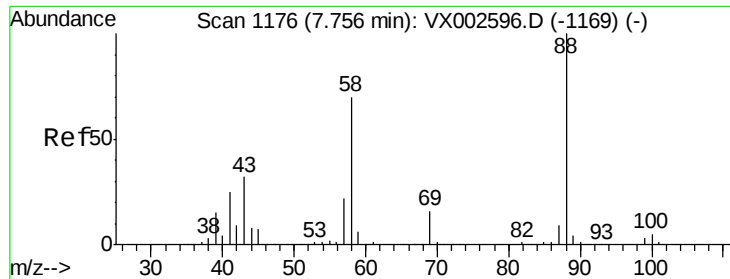
Tot Ion: 83 Resp: 4146
Ion Ratio Lower Upper
83 100
55 82.5 65.4 98.0
98 42.0 37.4 56.0



#40
Benzene
Concen: 0.28 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 78 Resp: 2743
Ion Ratio Lower Upper
78 100
77 26.2 19.1 28.7





#49

1,4-Dioxane

Concen: 1.06 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

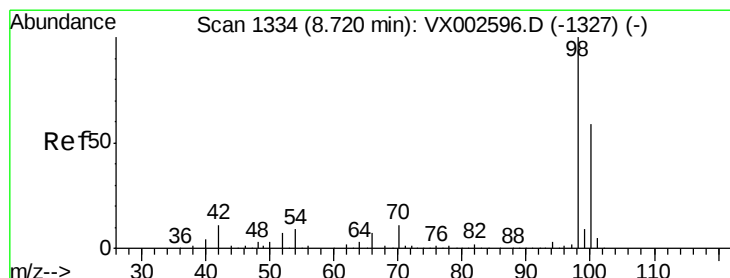
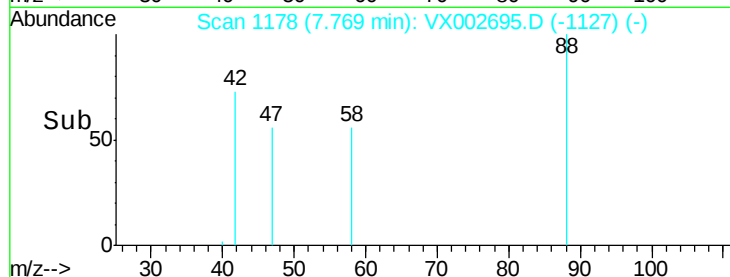
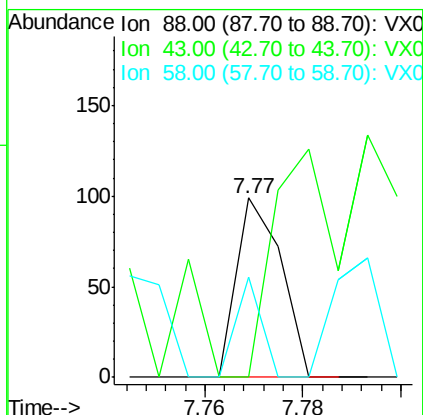
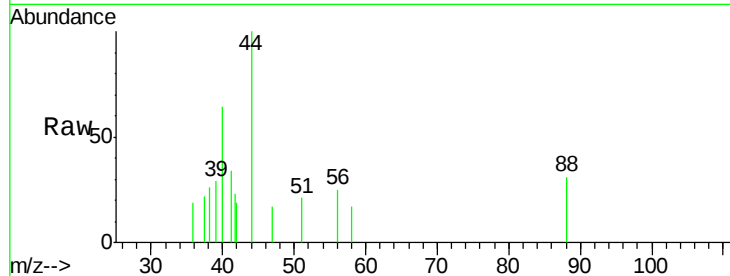
Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 63

Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.8	44.6#
58	31.7	57.1	85.7#



#50

Toluene-d8

Concen: 46.87 ug/l

RT: 8.72 min Scan# 1334

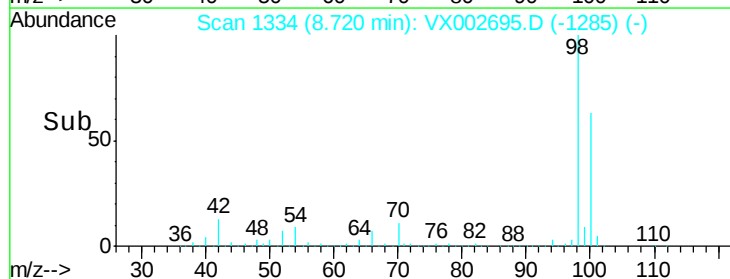
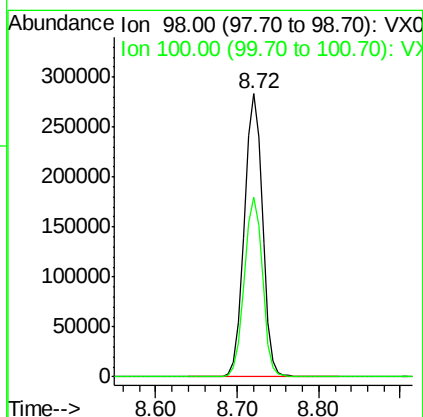
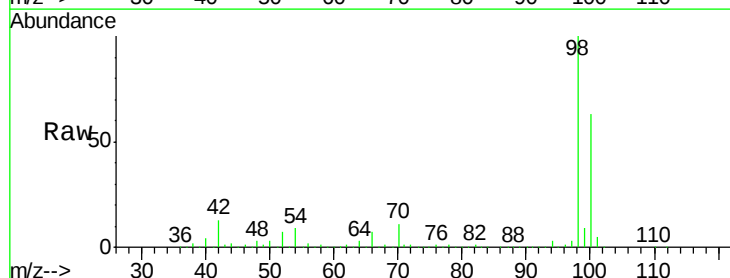
Delta R.T. 0.00 min

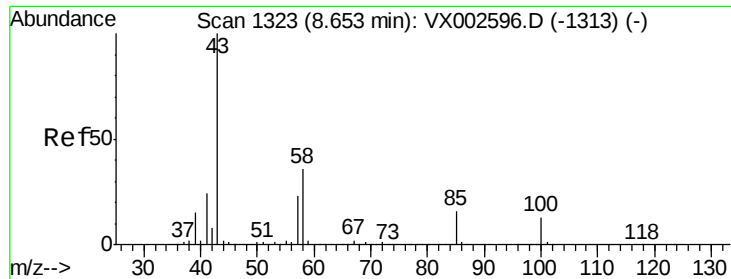
Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Tgt Ion: 98 Resp: 436610

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.9	76.3

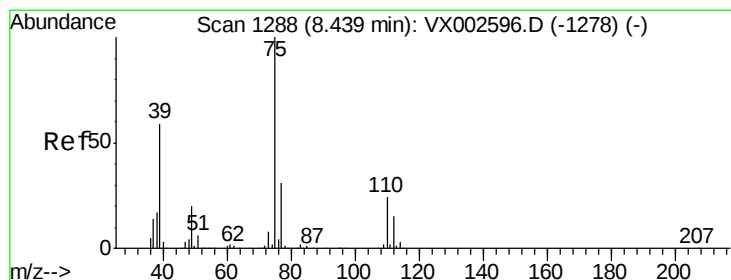
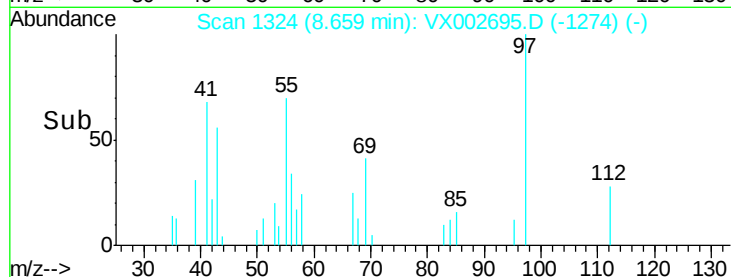
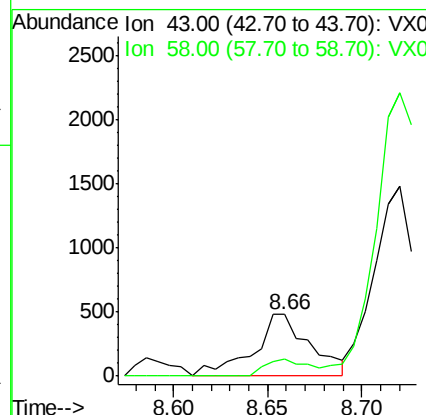
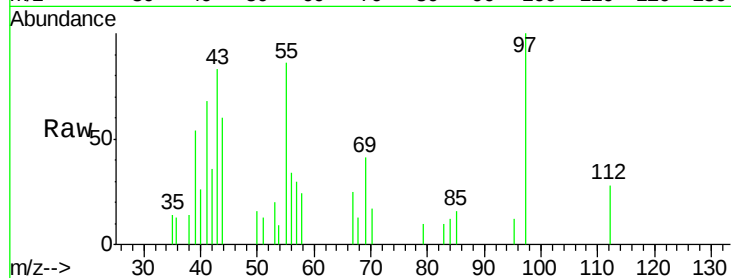




#51
4-Methyl-2-Pentanone
Concen: 0.26 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

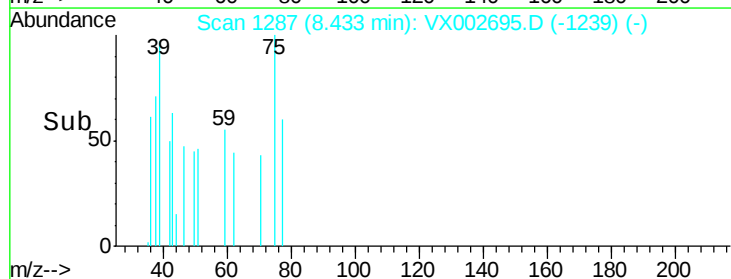
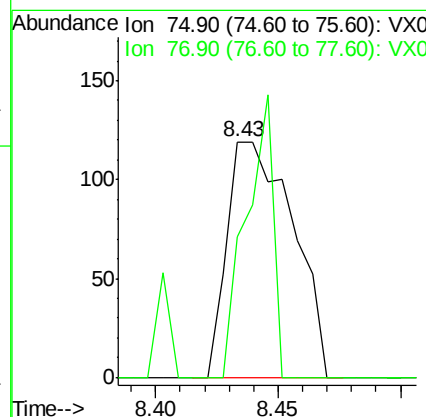
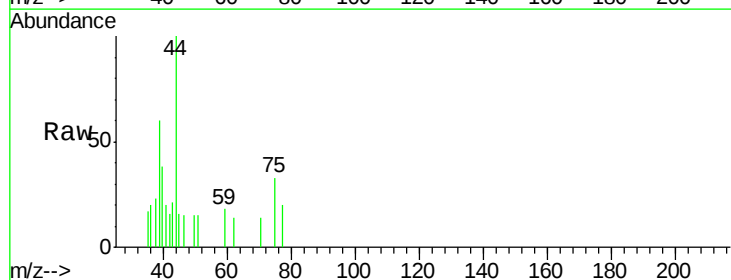
Instrument :
MSVOA_X
ClientSampled :

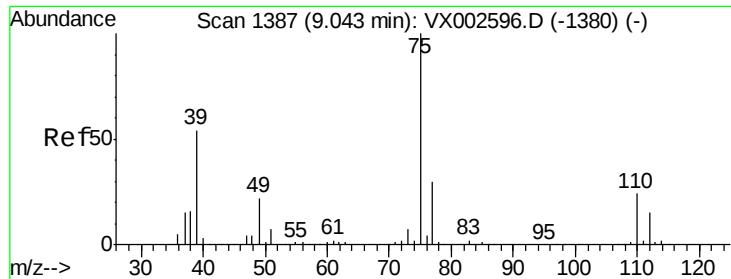
Tot Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
58 21.2 28.6 42.8#



#53
t-1,3-Dichloropropene
Concen: 2.45 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion: 75 Resp: 223
Ion Ratio Lower Upper
75 100
77 59.7 25.4 38.2#





#54

cis-1,3-Dichloropropene

Concen: 3.28 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

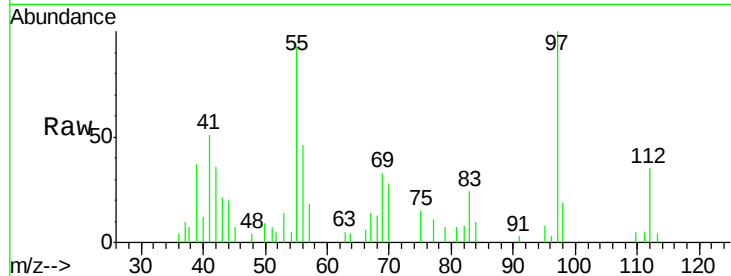
Tot Ion: 75 Resp: 273

Ion Ratio Lower Upper

75 100

77 47.7 24.8 37.2#

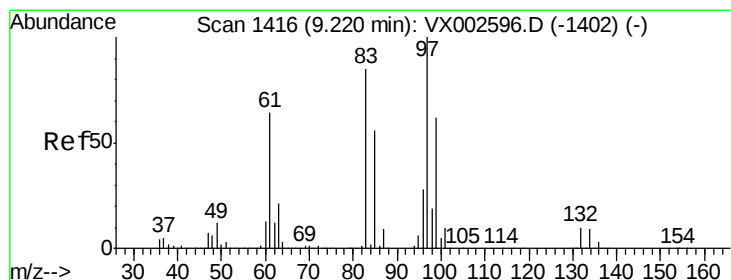
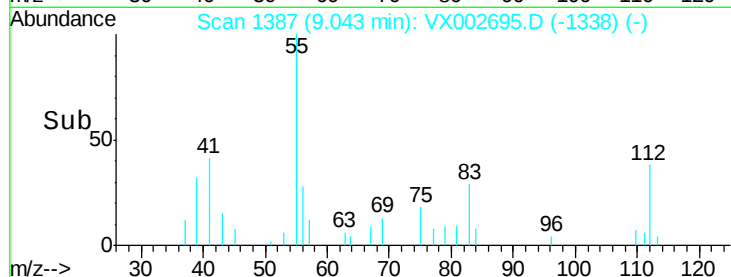
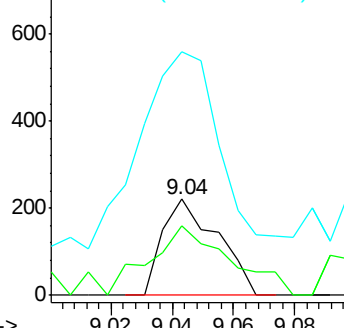
39 192.7 42.4 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.56 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Tgt Ion: 97 Resp: 1410

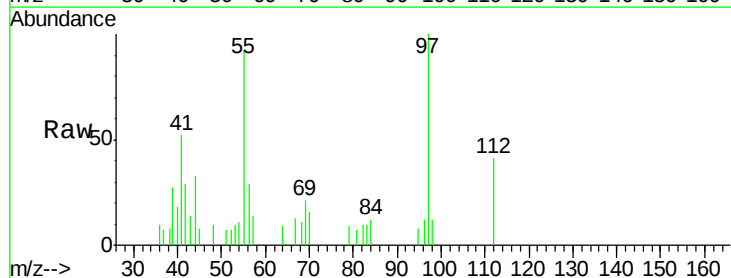
Ion Ratio Lower Upper

97 100

83 9.5 70.2 105.2#

85 0.0 44.9 67.3#

99 0.0 49.8 74.8#

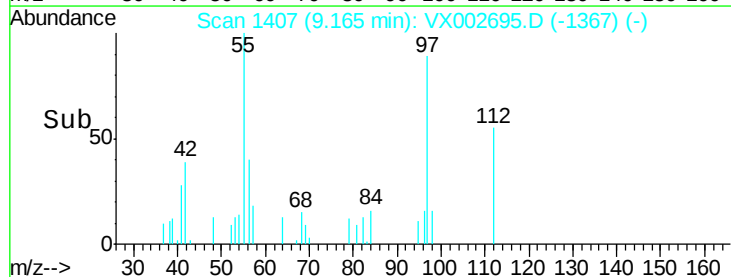
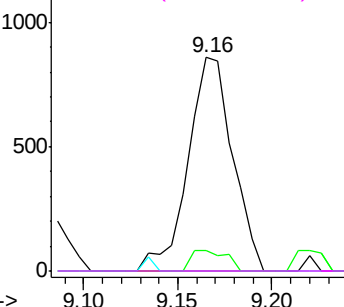


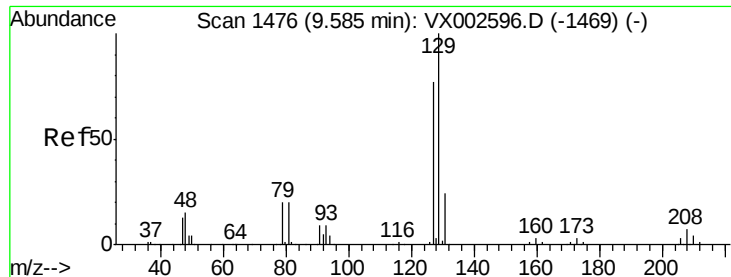
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 3.78 ug/l

RT: 9.60 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

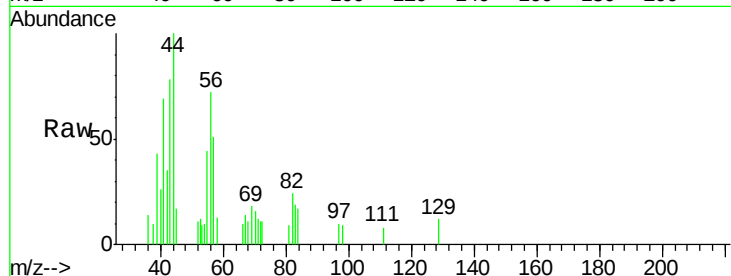
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 54

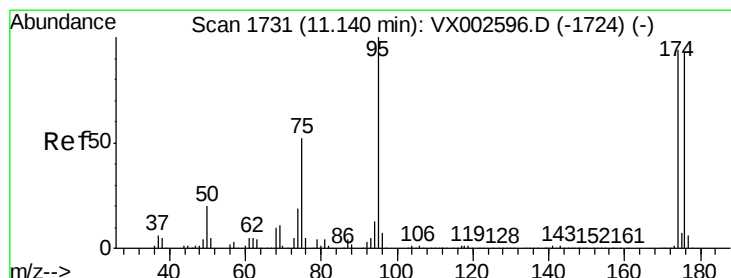
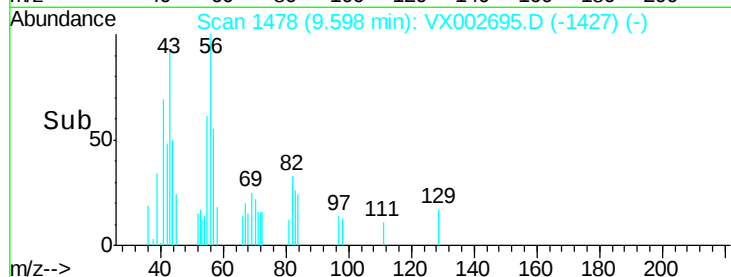
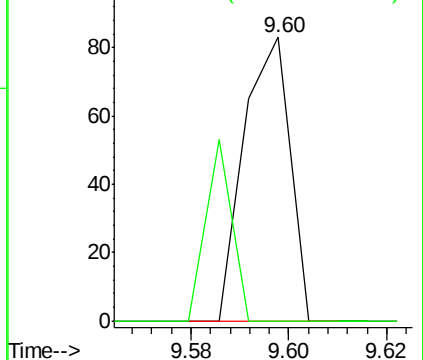
Ion Ratio Lower Upper

129 100

127 35.2 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

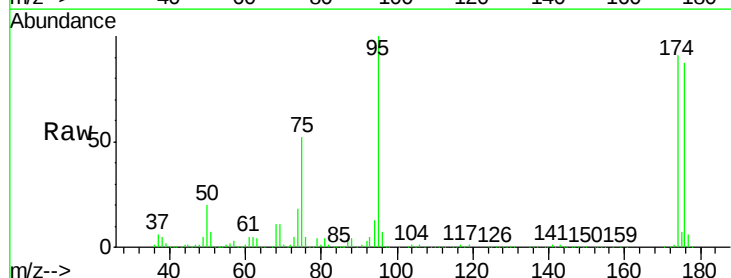
Tgt Ion: 95 Resp: 155387

Ion Ratio Lower Upper

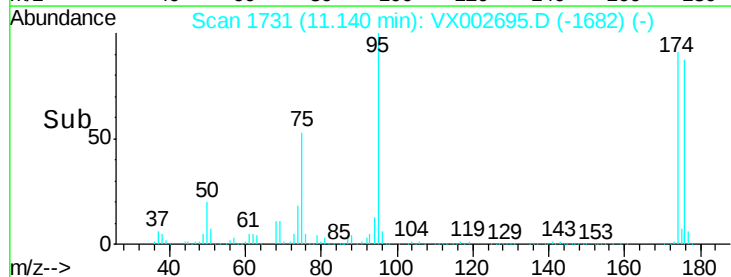
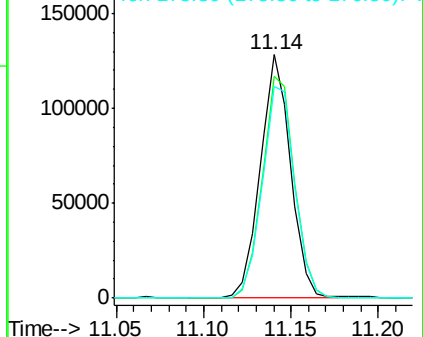
95 100

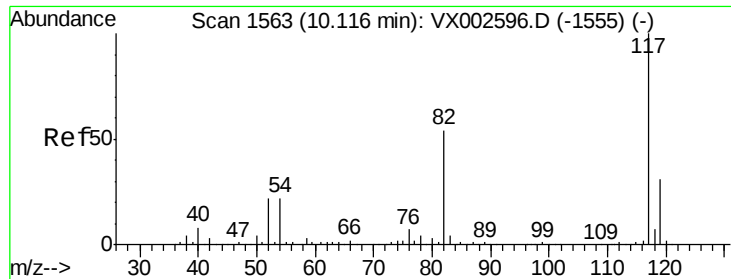
174 97.1 0.0 187.4

176 93.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampled :

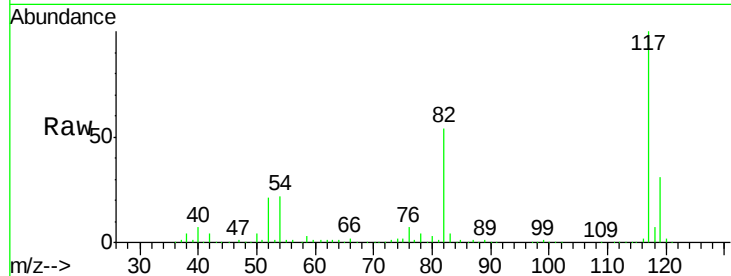
Tot Ion:117 Resp: 285487

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.4

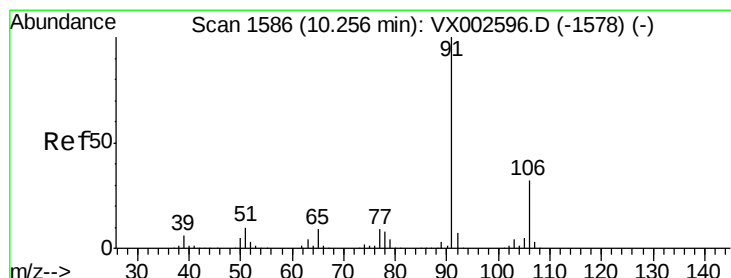
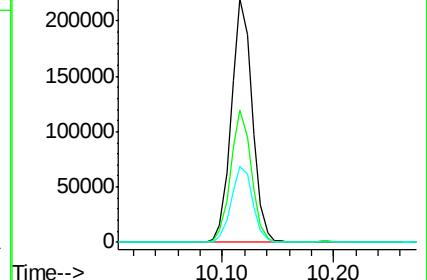
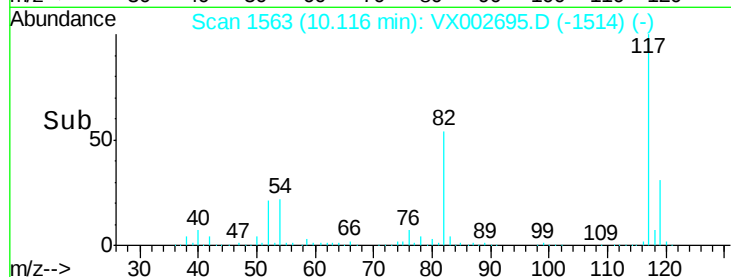
119 31.4 25.8 38.6



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



#67

Ethyl Benzene

Concen: 1.32 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002695.D

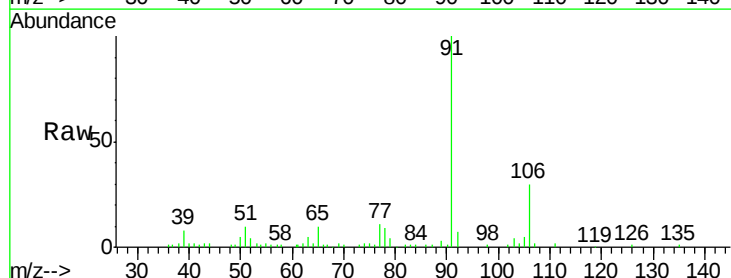
Acq: 18 Jun 2018 23:14

Tgt Ion: 91 Resp: 15569

Ion Ratio Lower Upper

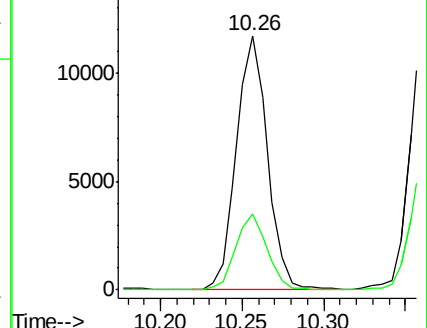
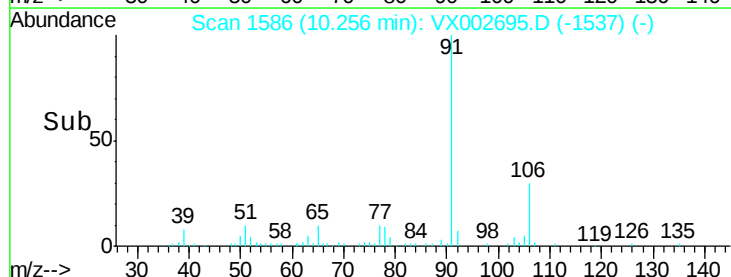
91 100

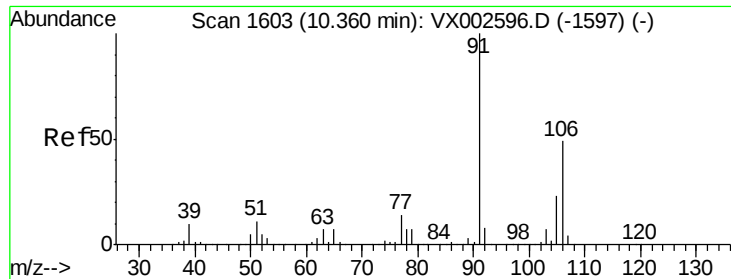
106 30.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

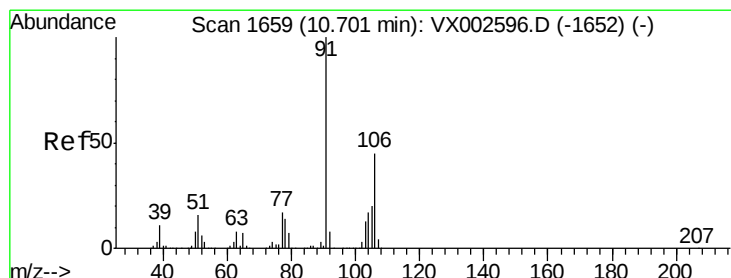
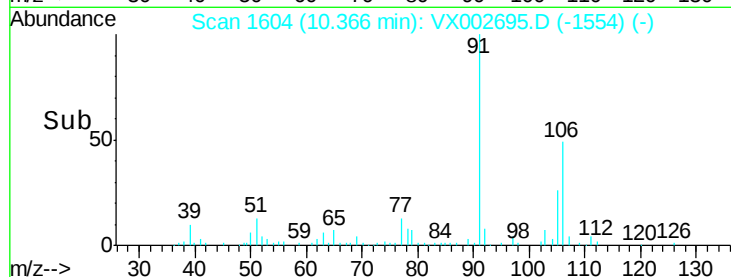
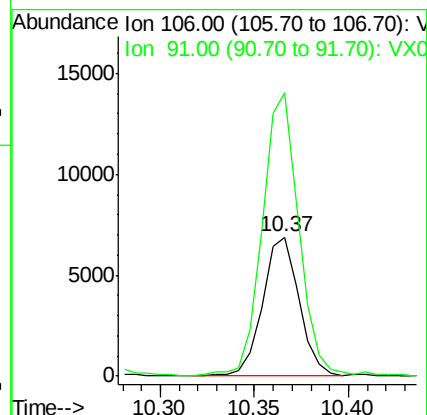
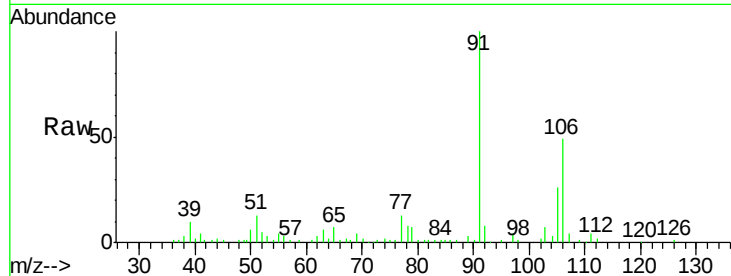




#68
m/p-Xylenes
Concen: 2.02 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

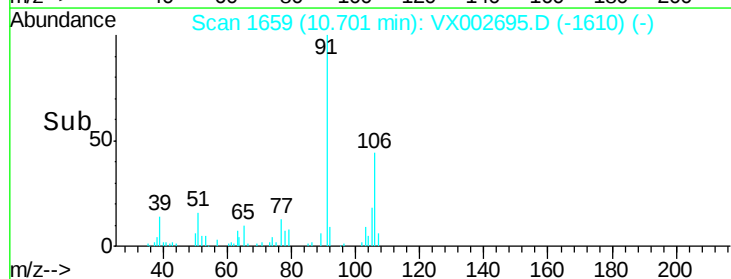
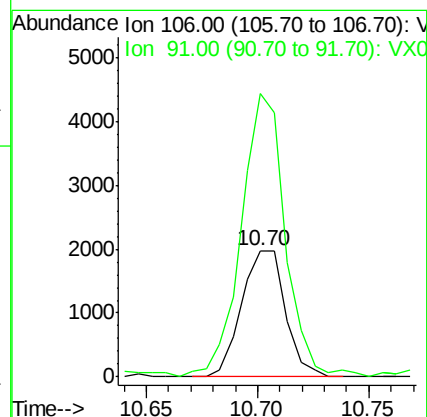
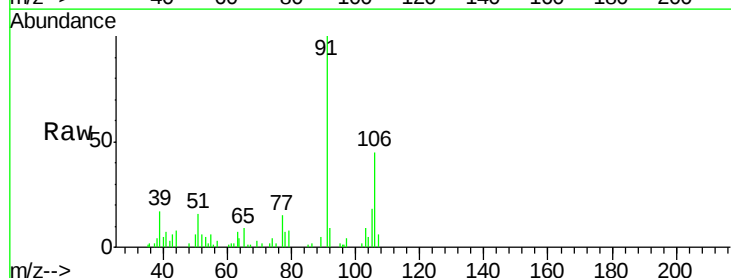
Instrument :
MSVOA_X
ClientSampleId :

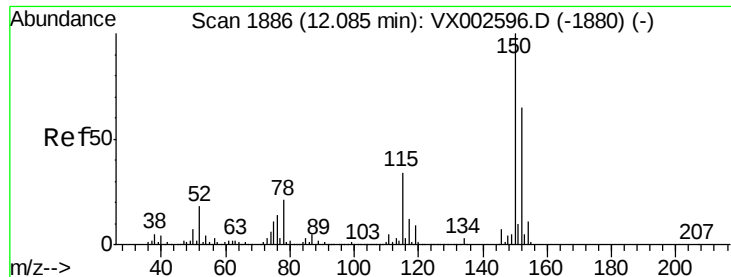
Tot Ion:106 Resp: 9224
Ion Ratio Lower Upper
106 100
91 205.4 163.4 245.2



#69
o-Xylene
Concen: 0.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002695.D
Acq: 18 Jun 2018 23:14

Tgt Ion:106 Resp: 2712
Ion Ratio Lower Upper
106 100
91 225.7 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

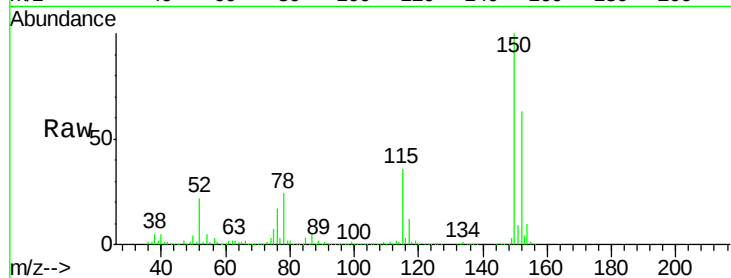
Tot Ion:152 Resp: 168845

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

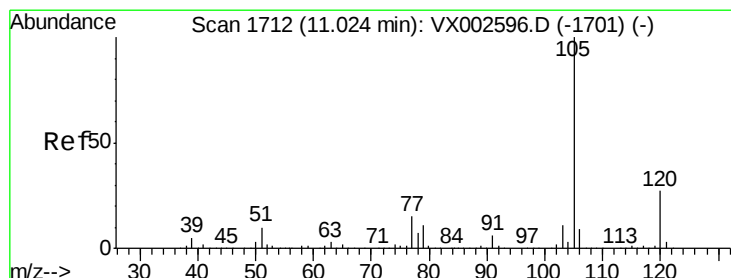
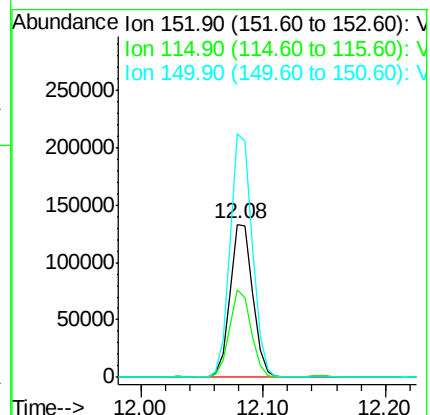
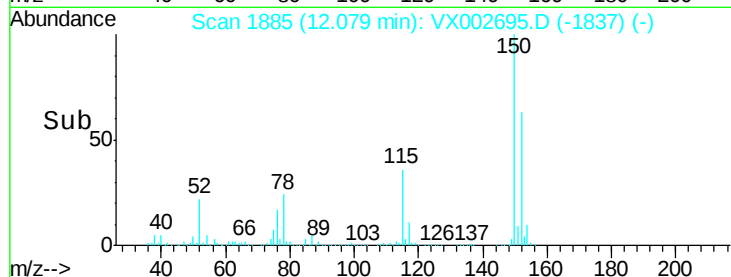
150 156.5 0.0 347.2



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



#73

Isopropylbenzene

Concen: 4.17 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002695.D

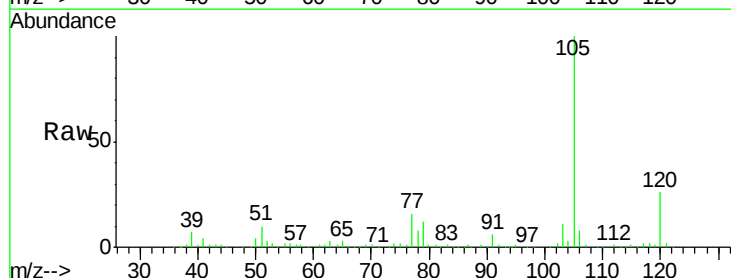
Acq: 18 Jun 2018 23:14

Tgt Ion:105 Resp: 47063

Ion Ratio Lower Upper

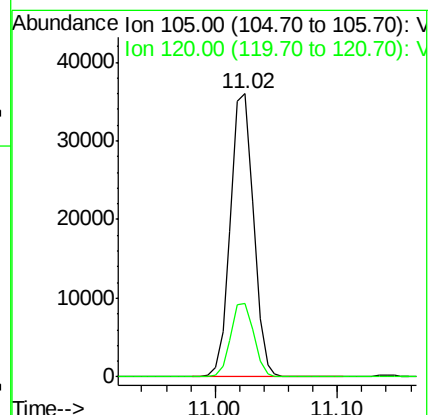
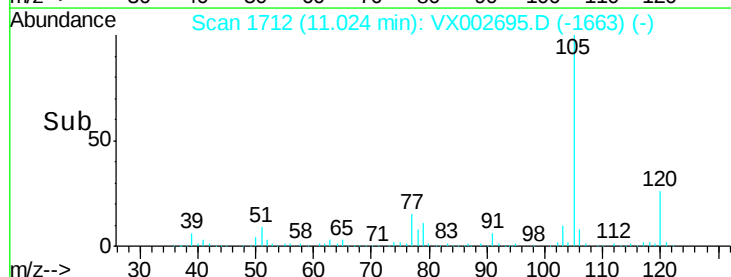
105 100

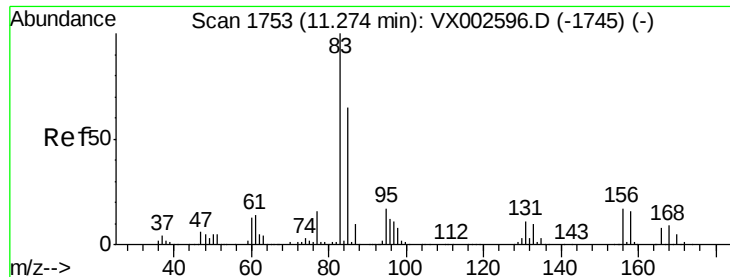
120 26.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.30 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

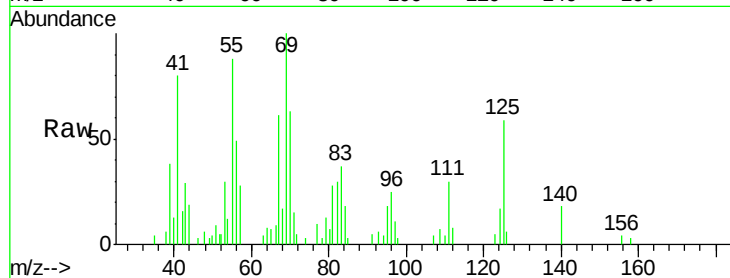
Tot Ion: 83 Resp: 990

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

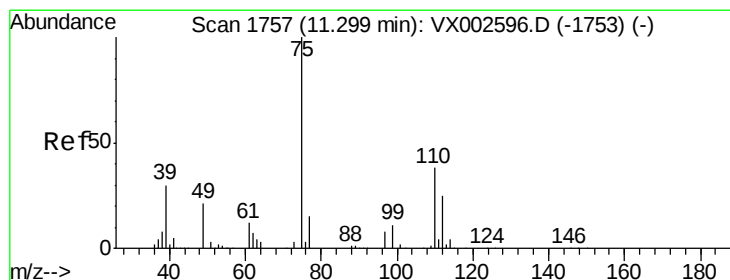
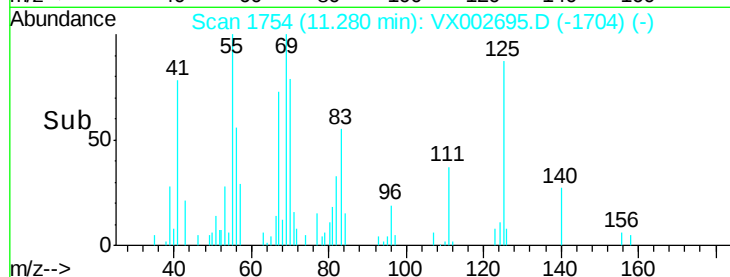
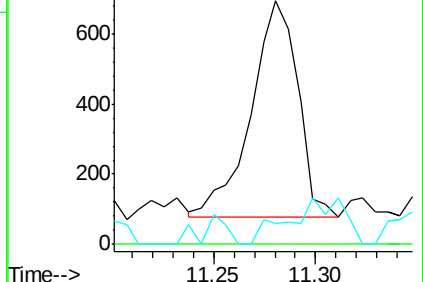
85 24.7 32.4 97.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 25.95 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002695.D

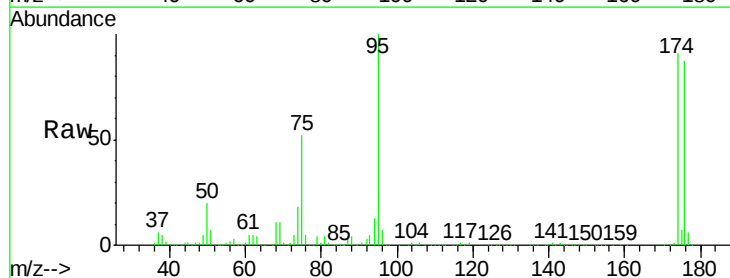
Acq: 18 Jun 2018 23:14

Tgt Ion: 75 Resp: 82673

Ion Ratio Lower Upper

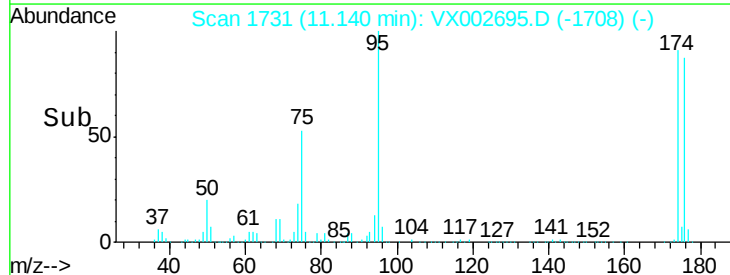
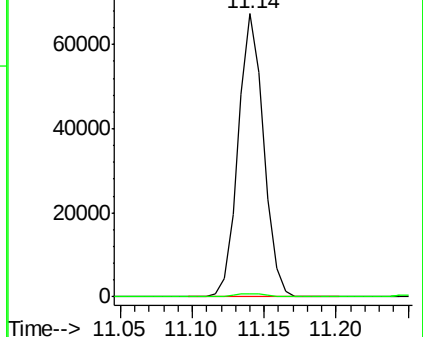
75 100

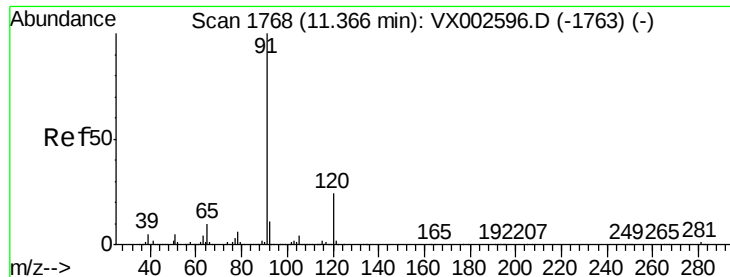
77 1.5 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 4.21 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

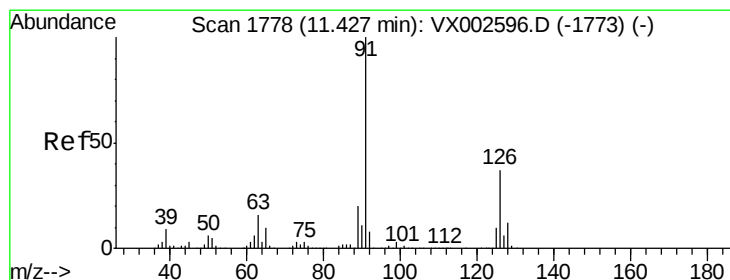
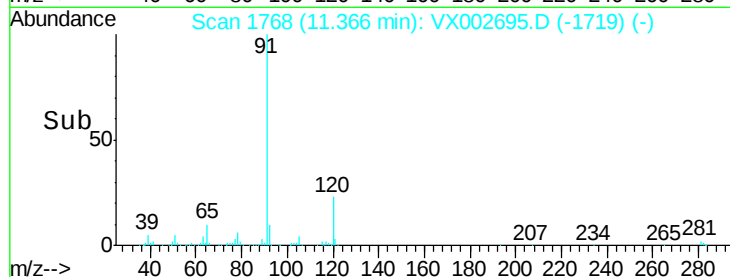
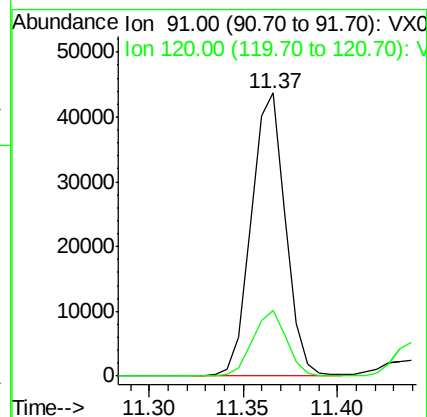
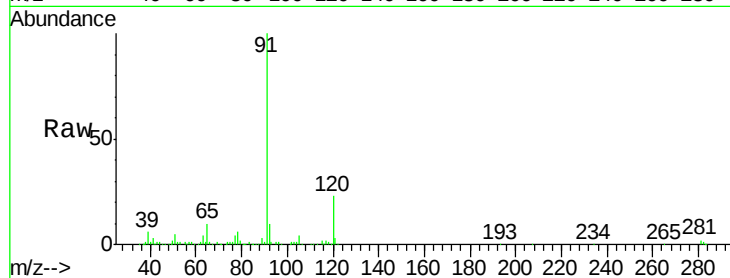
ClientSampleId :

Tot Ion: 91 Resp: 54587

Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.4



#79

2-Chlorotoluene

Concen: 1.01 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX002695.D

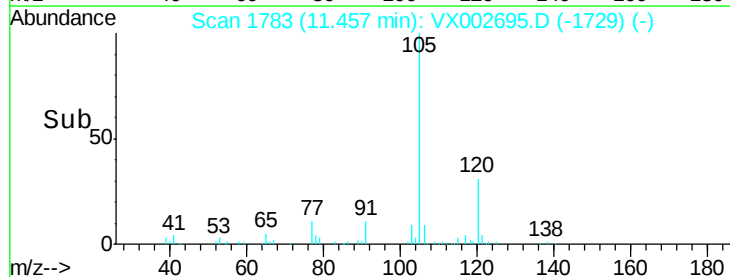
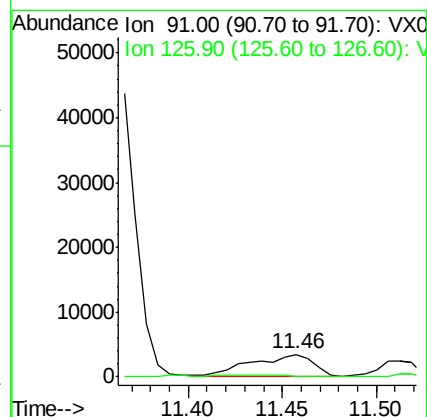
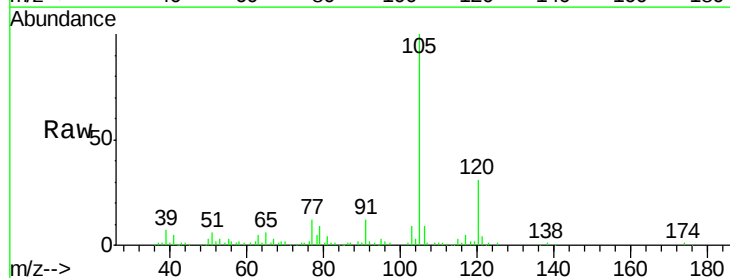
Acq: 18 Jun 2018 23:14

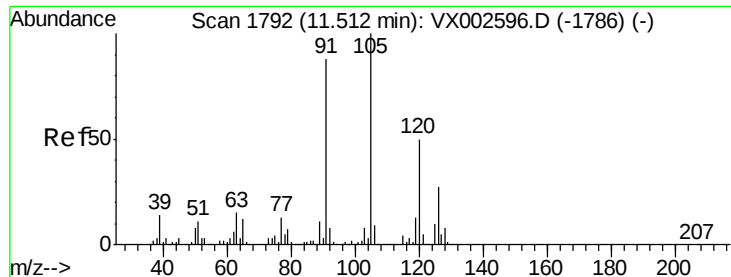
Tgt Ion: 91 Resp: 7796

Ion Ratio Lower Upper

91 100

126 0.7 17.7 53.1#

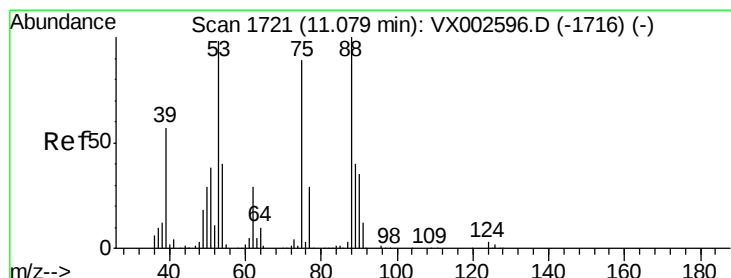
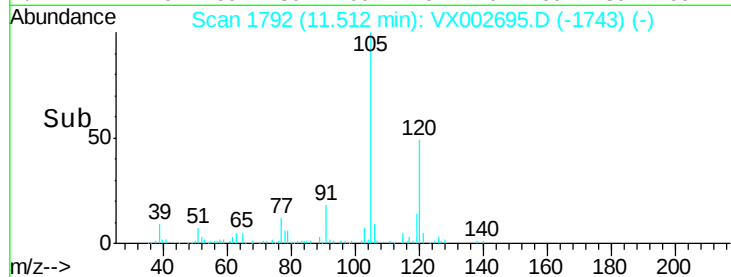
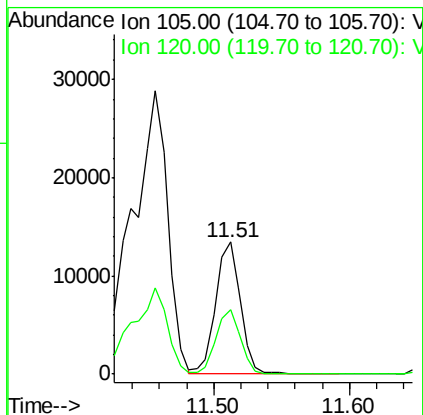
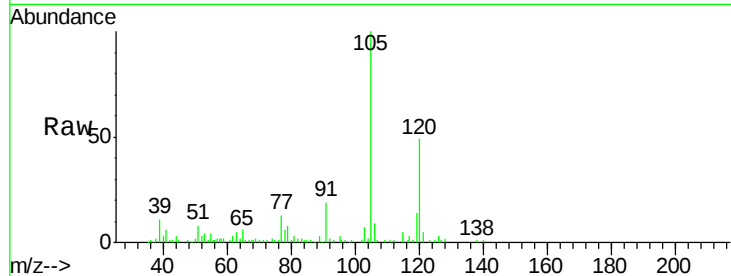




#80
 1,3,5-Trimethylbenzene
 Concen: 1.78 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

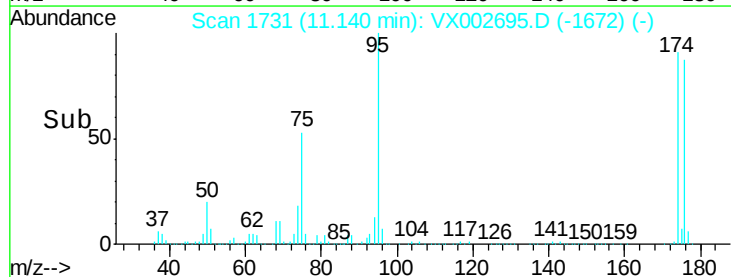
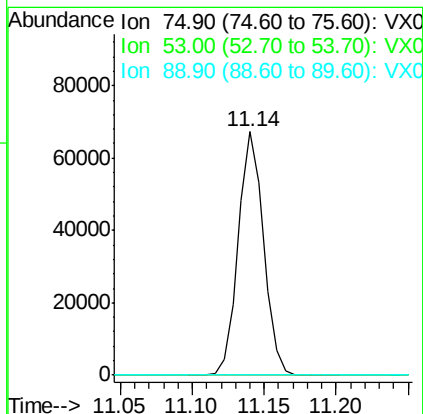
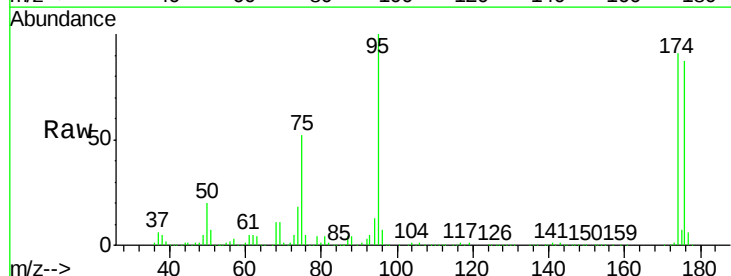
Instrument :
 MSVOA_X
 ClientSampleId :

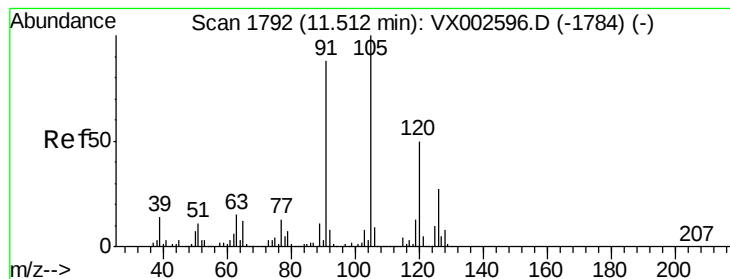
Tot Ion:105 Resp: 17017
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Tgt Ion: 75 Resp: 82673
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#





#82

4-Chlorotoluene

Concen: 0.39 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

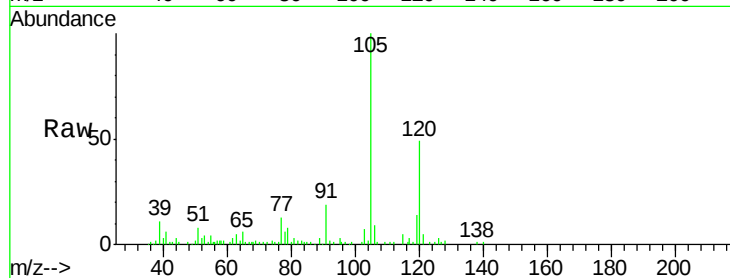
ClientSampleId :

Tot Ion: 91 Resp: 3598

Ion Ratio Lower Upper

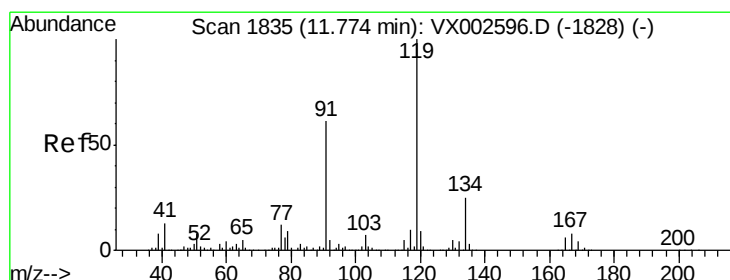
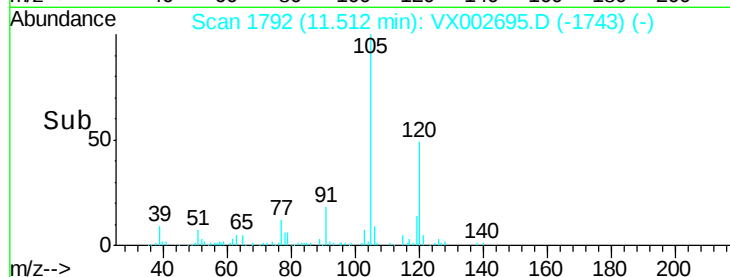
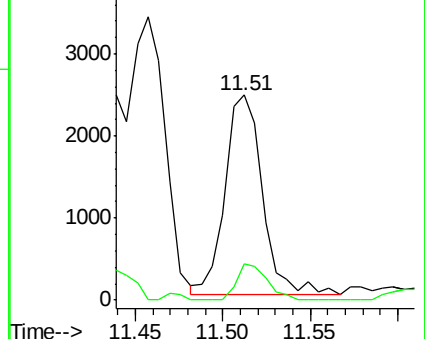
91 100

126 14.6 15.4 46.4#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 1.07 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

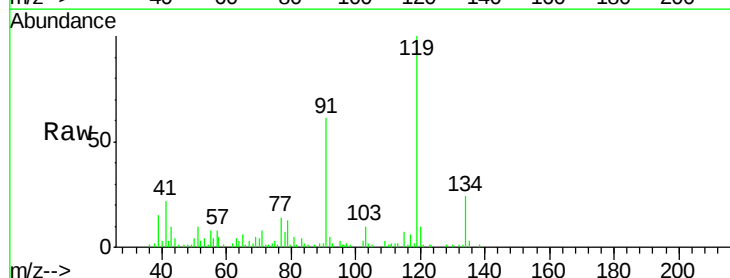
Tgt Ion: 119 Resp: 9867

Ion Ratio Lower Upper

119 100

91 67.6 30.3 90.9

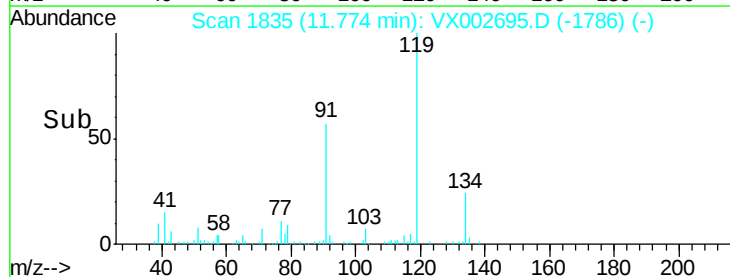
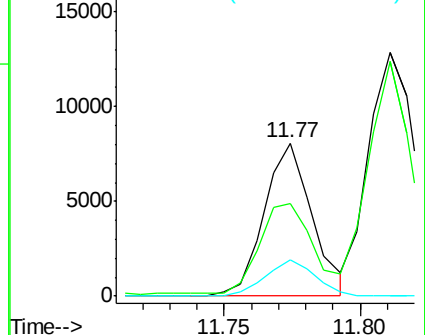
134 24.5 11.7 35.1

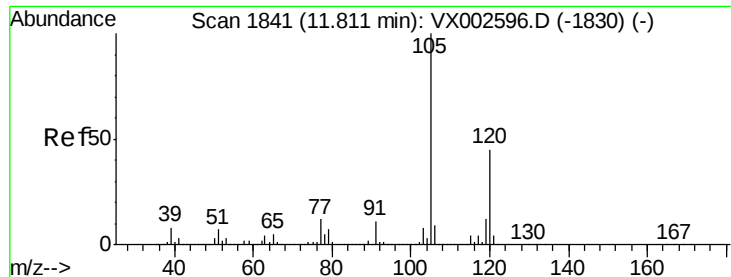


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 13.14 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

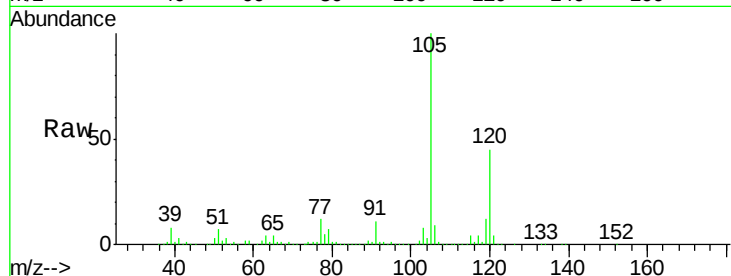
ClientSampleId :

Tot Ion:105 Resp: 127943

Ion Ratio Lower Upper

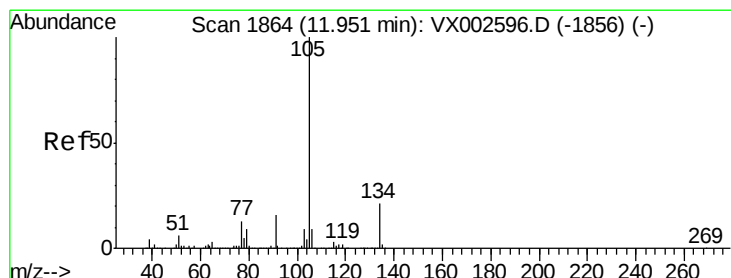
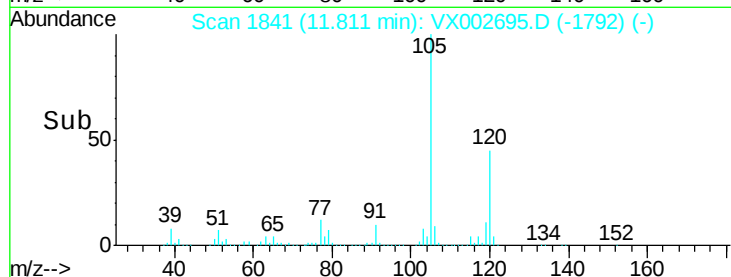
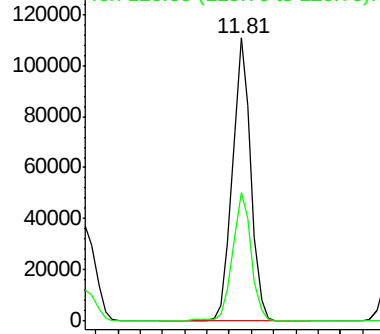
105 100

120 46.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 3.81 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002695.D

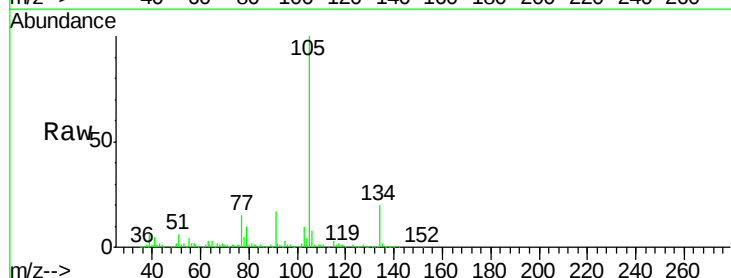
Acq: 18 Jun 2018 23:14

Tgt Ion:105 Resp: 43573

Ion Ratio Lower Upper

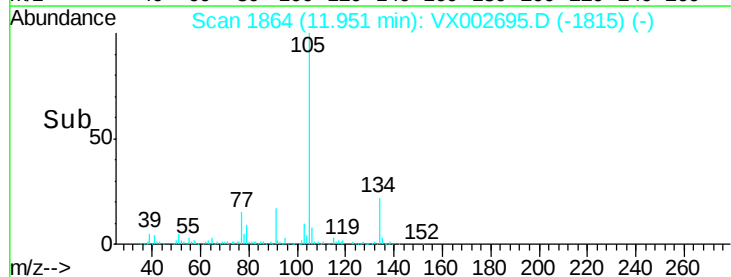
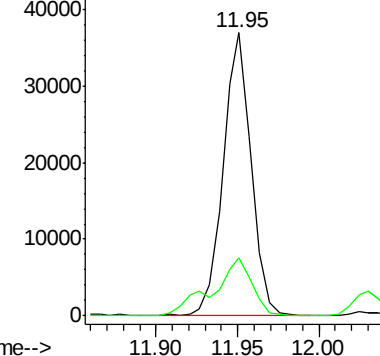
105 100

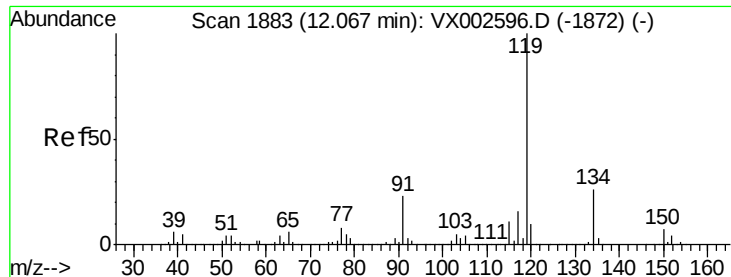
134 29.5 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 1.60 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

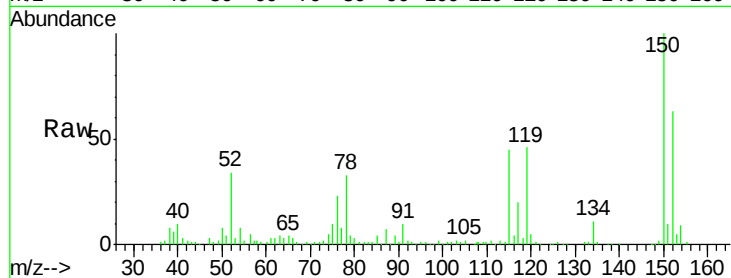
Tot Ion:119 Resp: 16585

Ion Ratio Lower Upper

119 100

134 27.8 13.4 40.1

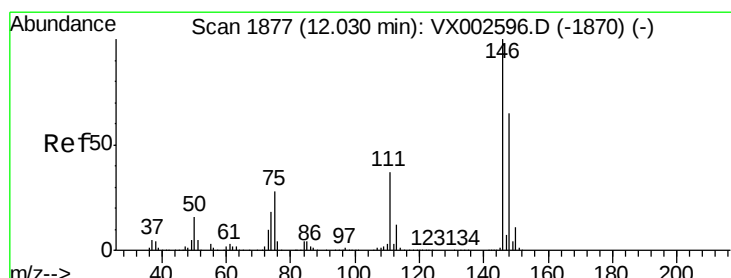
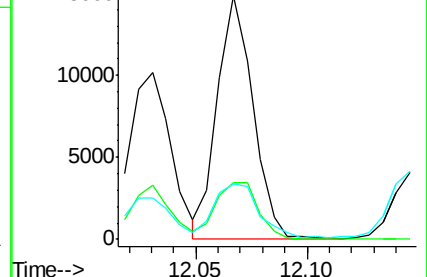
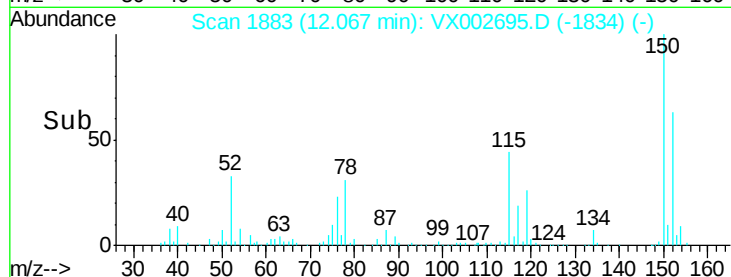
91 27.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

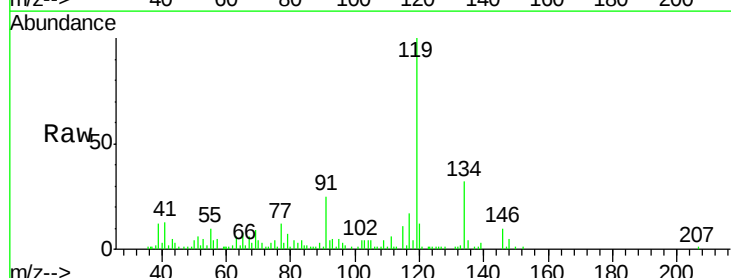
Tgt Ion:146 Resp: 1198

Ion Ratio Lower Upper

146 100

111 63.9 18.9 56.7#

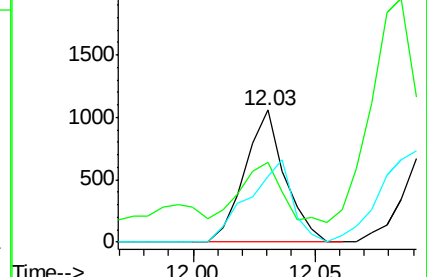
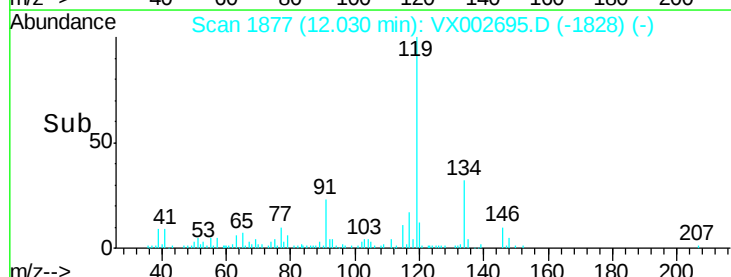
148 68.7 32.1 96.3

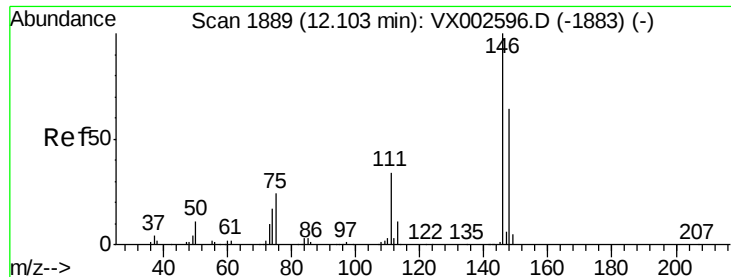


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

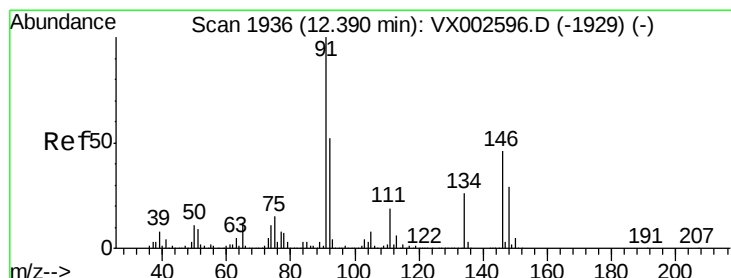
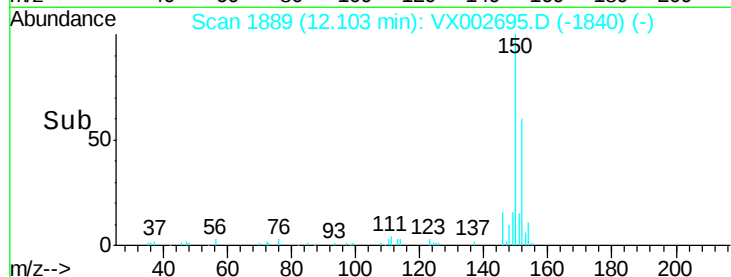
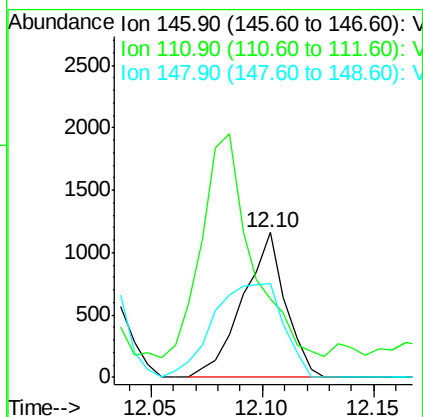
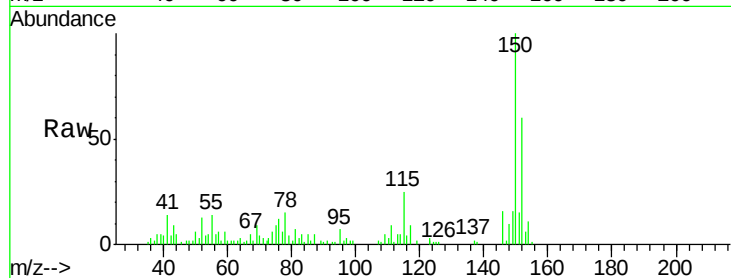




#88
 1,4-Dichlorobenzene
 Concen: 0.26 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

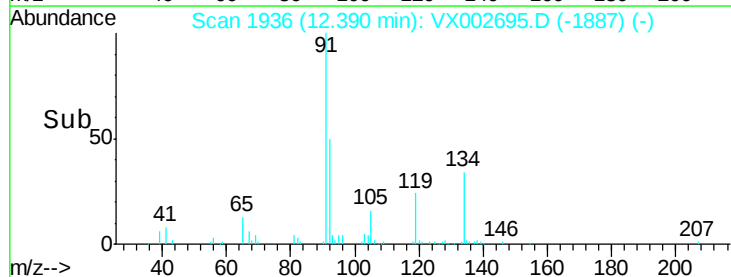
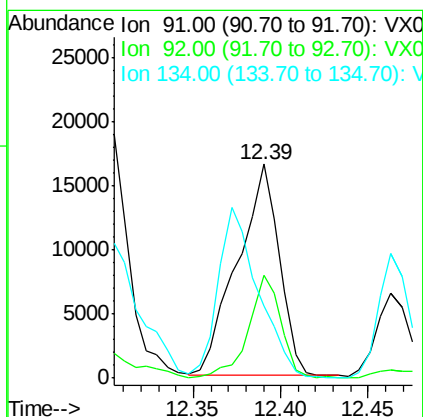
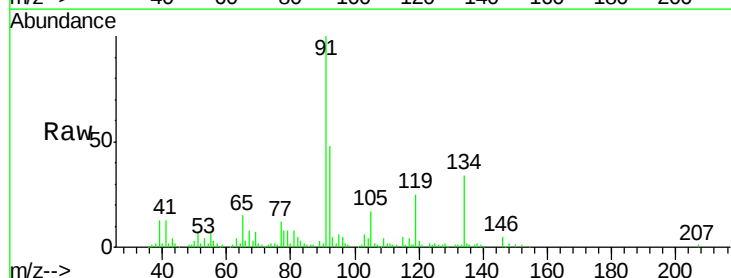
Instrument :
 MSVOA_X
 ClientSampled :

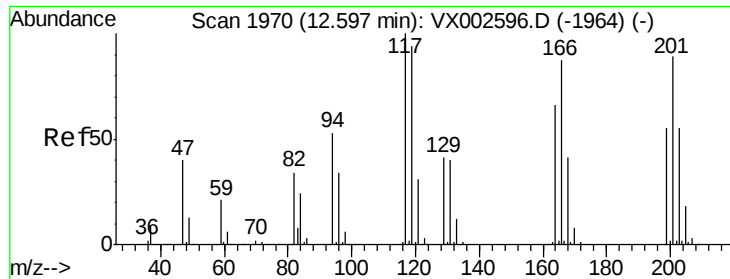
Tot Ion:146 Resp: 1553
 Ion Ratio Lower Upper
 146 100
 111 187.4 18.7 56.1#
 148 105.6 32.4 97.0#



#89
 n-Butylbenzene
 Concen: 3.02 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Tgt Ion: 91 Resp: 27567
 Ion Ratio Lower Upper
 91 100
 92 36.3 26.0 78.0
 134 77.1 13.5 40.5#





#90

Hexachloroethane

Concen: 7.20 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

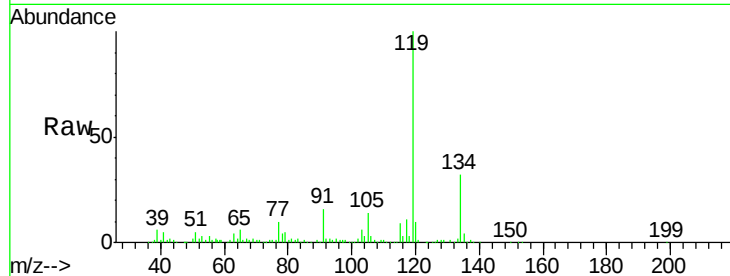
ClientSampleId :

Tot Ion:117 Resp: 7778

Ion Ratio Lower Upper

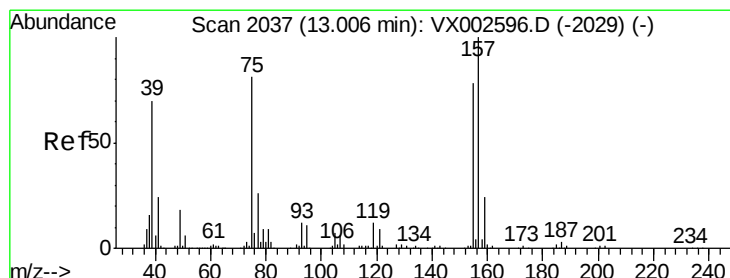
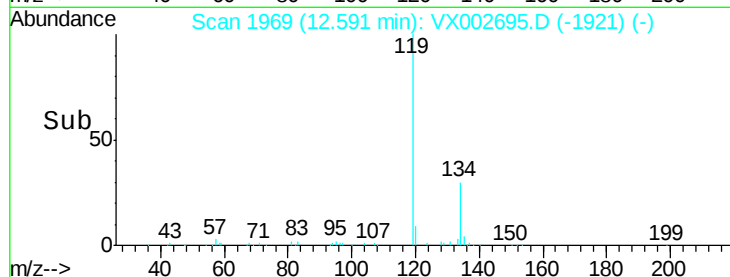
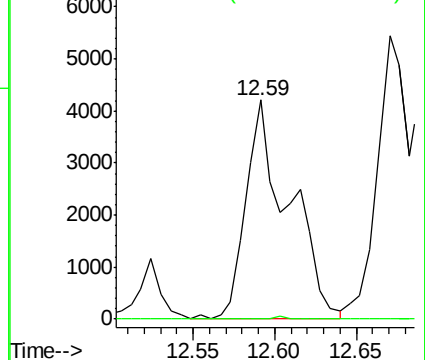
117 100

201 0.2 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.43 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

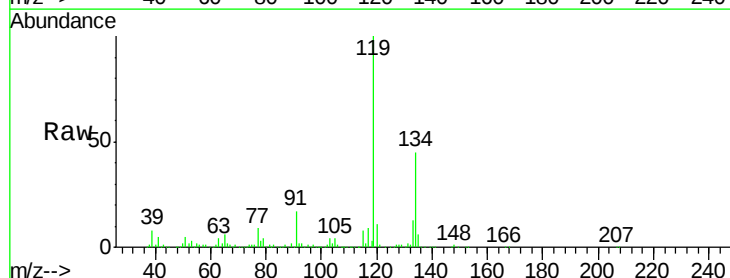
Tgt Ion: 75 Resp: 1002

Ion Ratio Lower Upper

75 100

155 2.3 45.8 137.4#

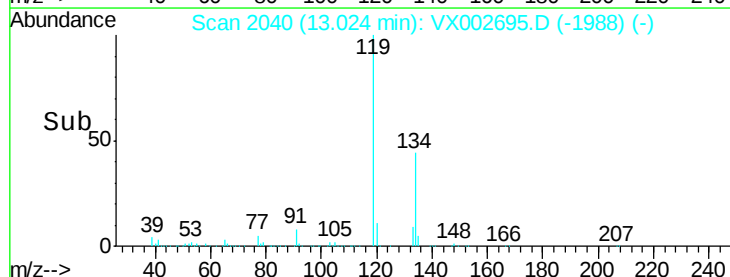
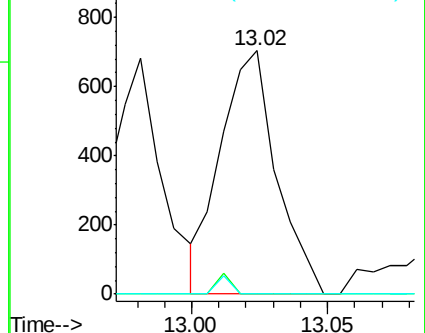
157 1.9 60.1 180.3#

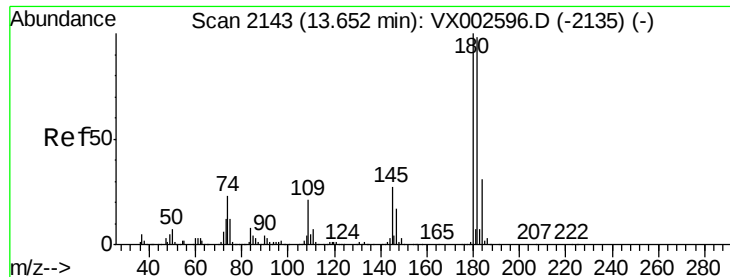


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

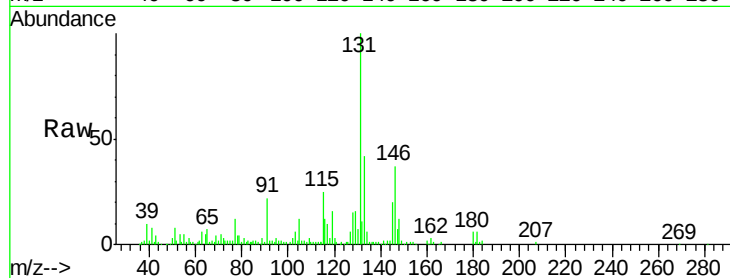




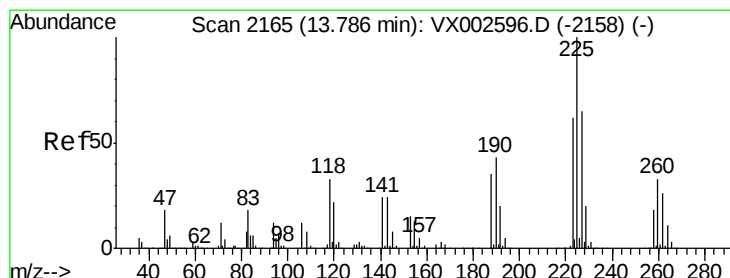
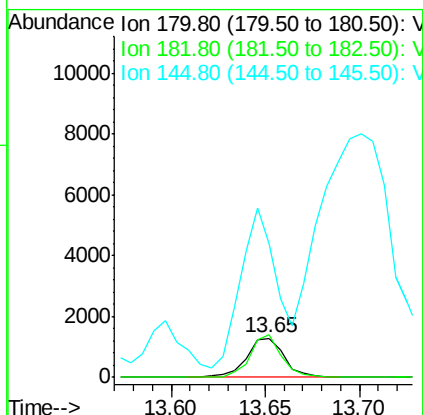
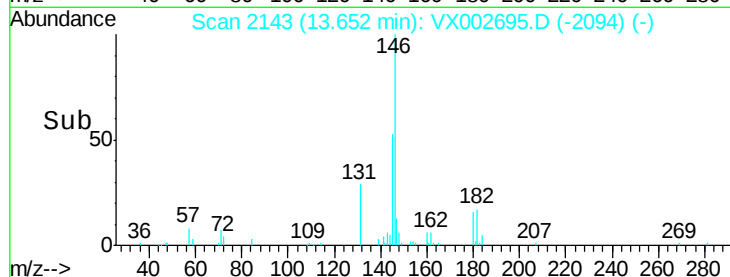
#93
 1,2,4-Trichlorobenzene
 Concen: 0.42 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 1768
 Ion Ratio Lower Upper
 180 100
 182 91.6 47.7 143.1
 145 420.8 14.1 42.4#

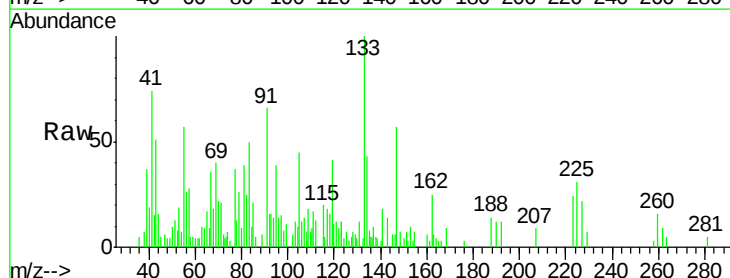


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

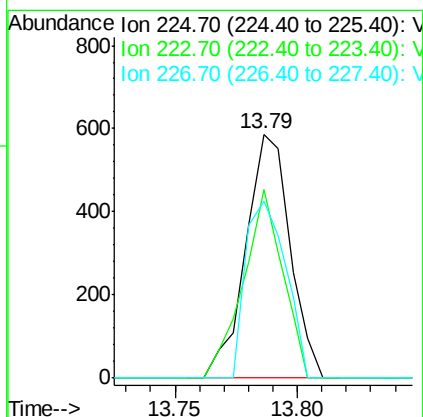
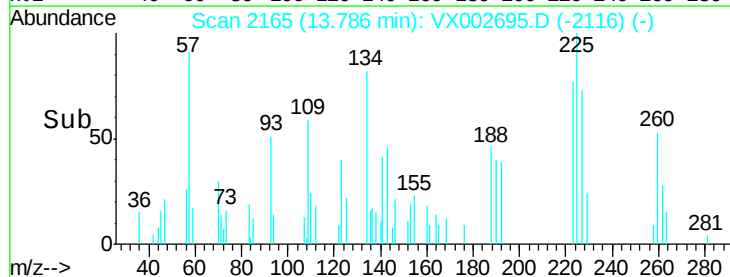


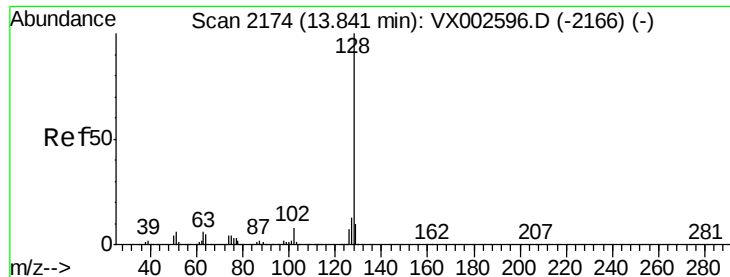
#94
 Hexachlorobutadiene
 Concen: 0.33 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002695.D
 Acq: 18 Jun 2018 23:14

Tgt Ion:225 Resp: 743
 Ion Ratio Lower Upper
 225 100
 223 68.6 31.6 95.0
 227 65.5 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: 31.63 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

Instrument :

MSVOA_X

ClientSampleId :

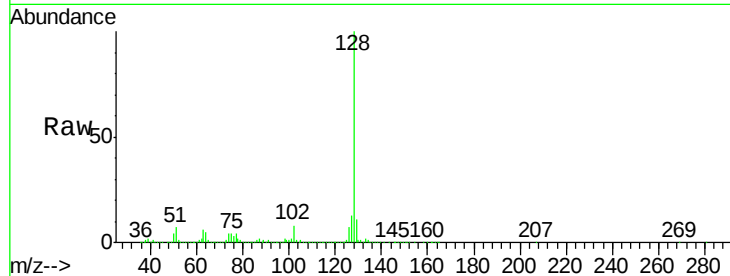
Tot Ion:128 Resp: 358712

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

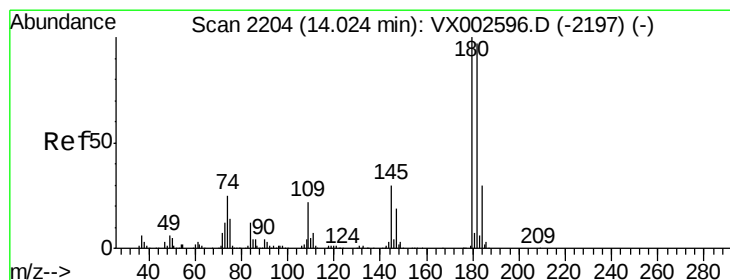
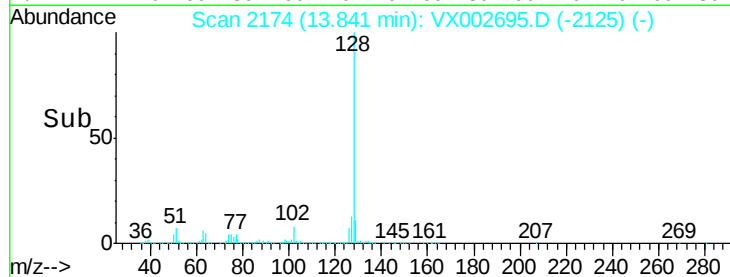
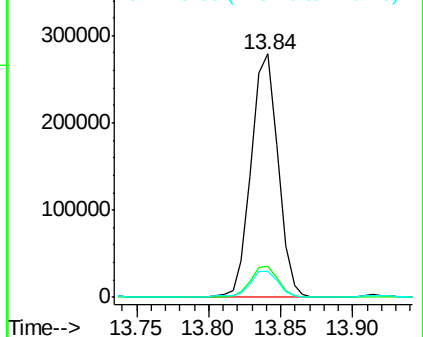
129 11.9 8.6 13.0



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: 0.33 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002695.D

Acq: 18 Jun 2018 23:14

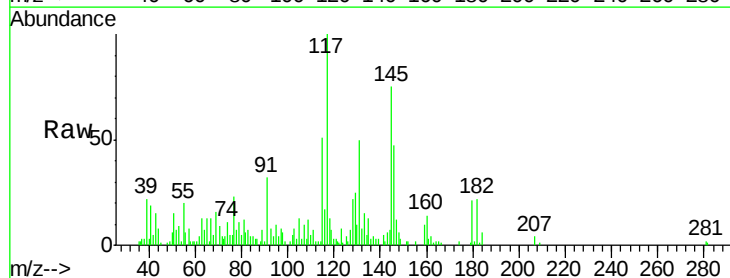
Tgt Ion:180 Resp: 1388

Ion Ratio Lower Upper

180 100

182 106.5 48.0 144.0

145 686.7 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

