

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002619.D
 Acq On : 16 Jun 2018 01:28
 Operator : JC/MD
 Sample : J3467-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 16 03:51:24 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	210710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	304818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155067	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	148115	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	5.51	113	110446	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
50) Toluene-d8	8.72	98	442427	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	11.14	95	155220	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	2249	0.85	ug/l #	63
5) Bromomethane	1.66	94	936	0.56	ug/l	88
10) Methyl Iodide	2.53	142	934	5.43	ug/l #	82
11) Tert butyl alcohol	3.07	59	745	1.13	ug/l #	73
13) Acrolein	2.27	56	441	8.25	ug/l #	1
15) Acrylonitrile	3.17	53	1663	1.15	ug/l #	60
16) Acetone	2.45	43	6406	4.53	ug/l	96
17) Carbon Disulfide	2.57	76	1401	0.25	ug/l #	85
18) Methyl Acetate	2.84	43	17697	4.70	ug/l #	55
20) Methylene Chloride	2.87	84	1236	0.43	ug/l #	72
25) 2-Butanone	4.70	43	565	0.30	ug/l	97
30) Chloroform	5.28	83	3370	0.76	ug/l #	27
31) Cyclohexane	5.58	56	10149	2.69	ug/l #	91
36) 1,1-Dichloropropene	5.67	75	15102	4.66	ug/l #	52
38) Carbon Tetrachloride	5.67	117	19973	6.20	ug/l #	15
39) Methylcyclohexane	7.46	83	15549	4.11	ug/l	93
40) Benzene	6.15	78	5571	0.57	ug/l	99
43) Isopropyl Acetate	6.46	43	1432	0.24	ug/l #	63
48) Methyl methacrylate	7.73	41	2603	0.84	ug/l #	51
49) 1,4-Dioxane	7.65	88	19	0.32	ug/l #	1
52) Toluene	8.79	92	2653	0.43	ug/l	95
53) t-1,3-Dichloropropene	8.57	75	27	2.40	ug/l #	1
54) cis-1,3-Dichloropropene	8.92	75	80	3.23	ug/l #	55
56) Ethyl methacrylate	9.17	69	1096	0.28	ug/l #	1
59) 2-Hexanone	9.52	43	1286	0.44	ug/l	94
67) Ethyl Benzene	10.26	91	14729	1.26	ug/l	99
68) m/p-Xylenes	10.36	106	5257	1.16	ug/l	98
73) Isopropylbenzene	11.02	105	407869	39.33	ug/l	100
74) N-amyl acetate	6.46	43	1432	0.28	ug/l #	59
76) 1,2,3-Trichloropropane	11.14	75	82101	28.06	ug/l #	31
78) n-propylbenzene	11.37	91	185119	15.56	ug/l	100
79) 2-Chlorotoluene	11.37	91	185119	26.07	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.46	105	5255	0.60	ug/l	78
81) trans-1,4-Dichloro-2-buten	11.02	75	5358	9.55	ug/l #	72

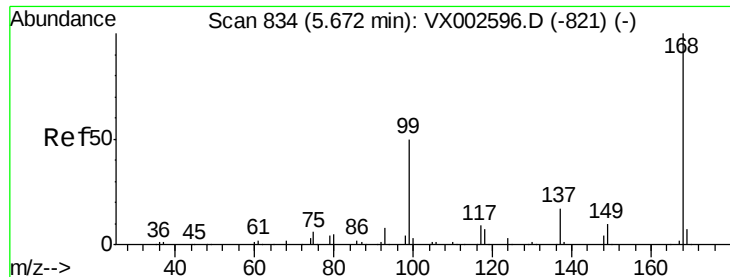
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002619.D
Acq On : 16 Jun 2018 01:28
Operator : JC/MD
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.37	91	185119	22.09	ug/l #	44
83) tert-Butylbenzene	11.77	119	5297	0.63	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	3499	0.39	ug/l	96
85) sec-Butylbenzene	11.95	105	35406	3.37	ug/l	82
86) p-Isopropyltoluene	12.24	119	11043	1.16	ug/l	95
89) n-Butylbenzene	12.39	91	21354	2.55	ug/l #	76
90) Hexachloroethane	12.67	117	13781	11.44	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	900	1.40	ug/l #	1
95) Naphthalene	13.84	128	5315	0.51	ug/l #	75

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

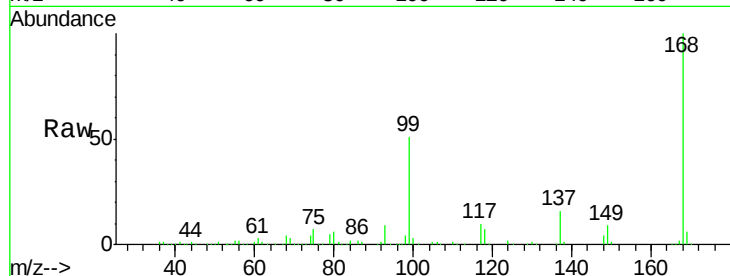
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 210710

Ion Ratio Lower Upper

168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

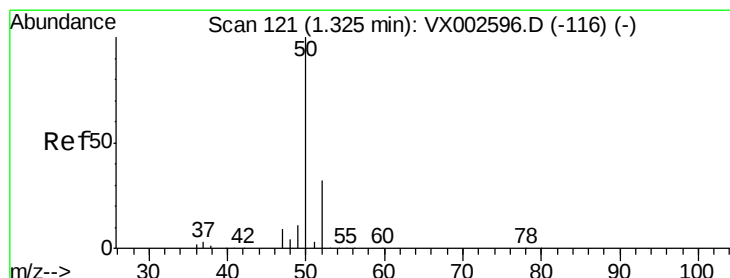
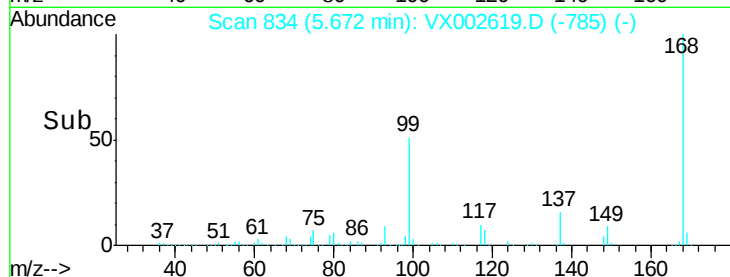
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.85 ug/l

RT: 1.34 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX002619.D

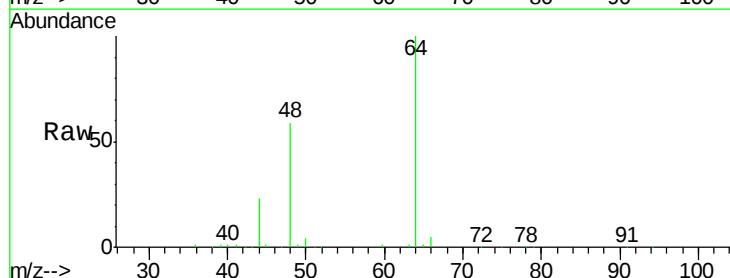
Acq: 16 Jun 2018 01:28

Tgt Ion: 50 Resp: 2249

Ion Ratio Lower Upper

50 100

52 11.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

1200

1000

800

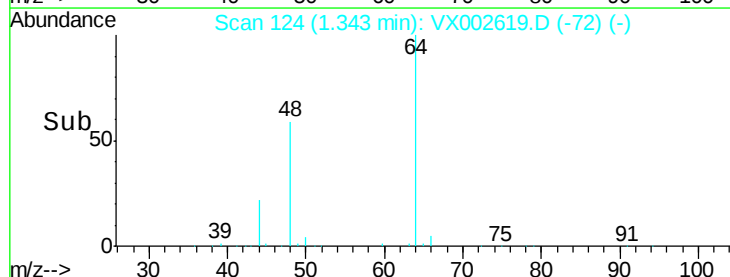
600

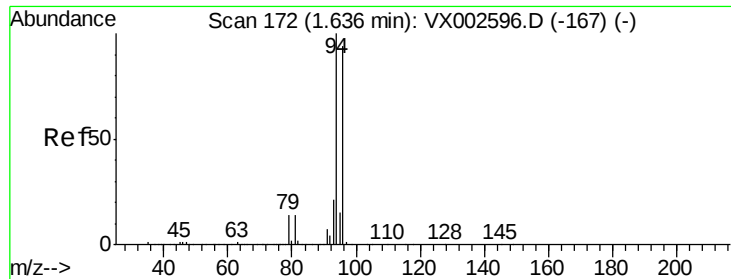
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.56 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

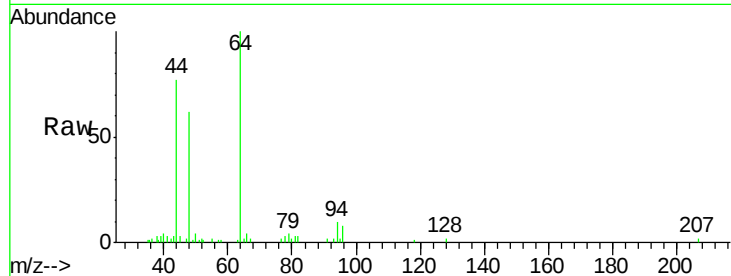
ClientSampled :

Tot Ion: 94 Resp: 936

Ion Ratio Lower Upper

94 100

96 82.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

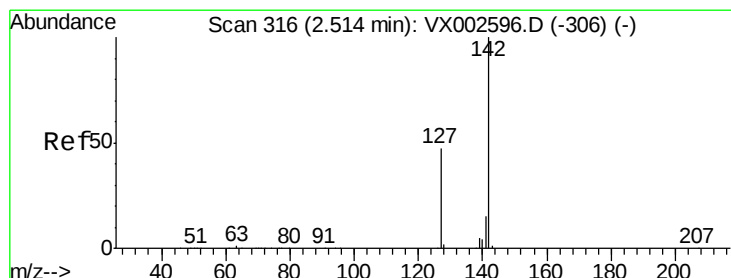
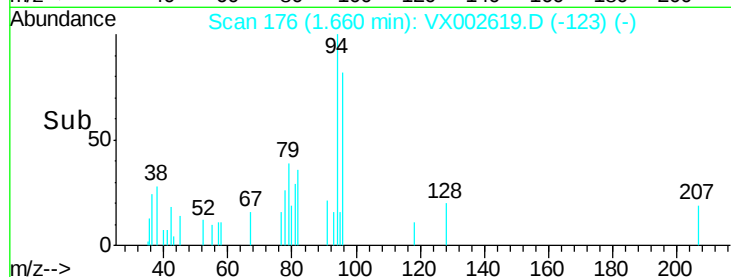
300

200

100

0

Time--> 1.60 1.65 1.70



#10

Methyl Iodide

Concen: 5.43 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

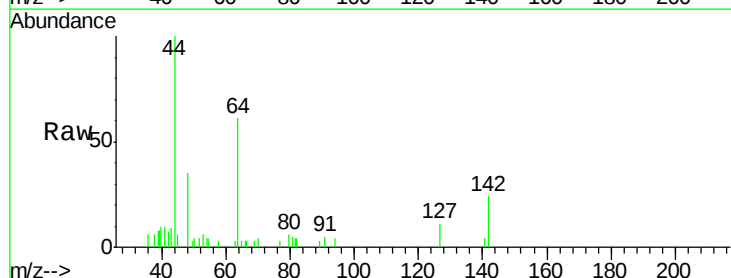
Tgt Ion: 142 Resp: 934

Ion Ratio Lower Upper

142 100

127 58.7 36.6 55.0#

141 8.7 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

600

500

400

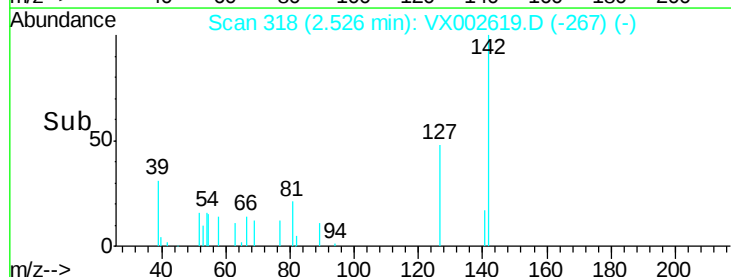
300

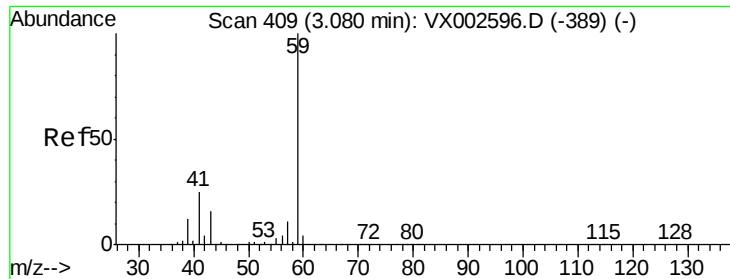
200

100

0

Time--> 2.45 2.50 2.55 2.60

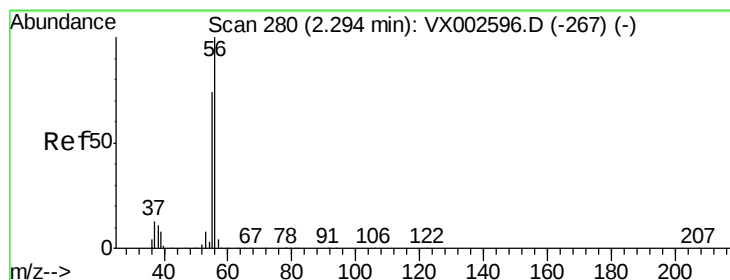
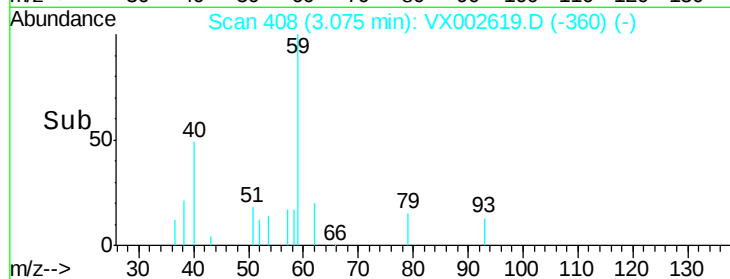
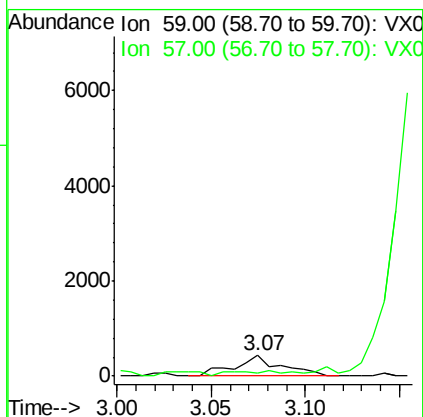
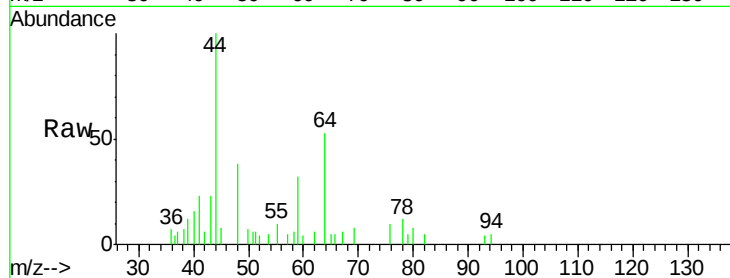




#11
Tert butyl alcohol
Concen: 1.13 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

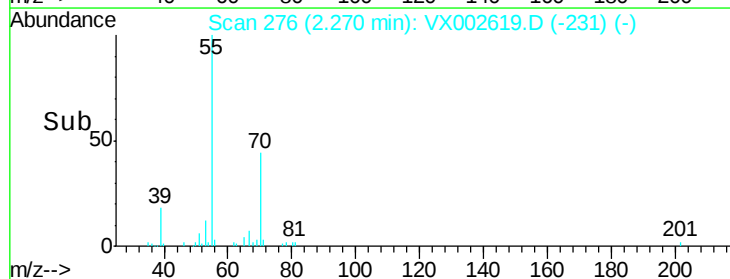
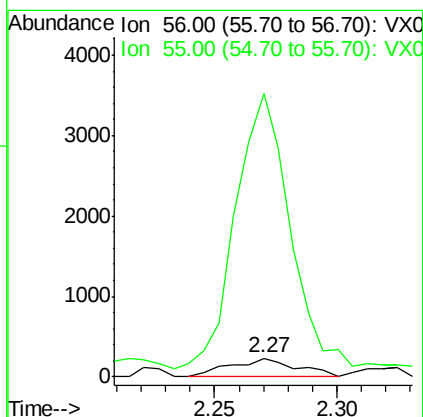
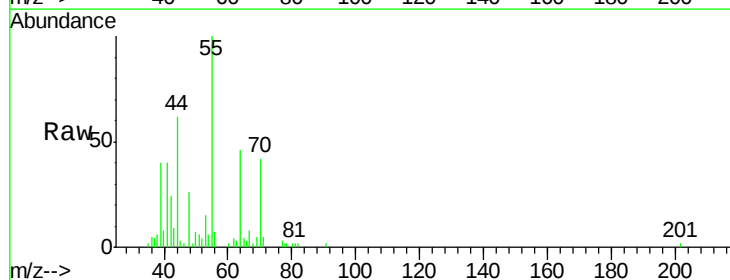
Instrument :
MSVOA_X
ClientSampled :

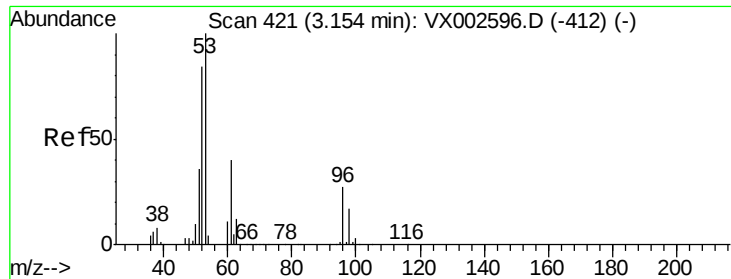
Tot Ion: 59 Resp: 745
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 8.25 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 56 Resp: 441
Ion Ratio Lower Upper
56 100
55 1219.5 57.0 85.4#





#15

Acrylonitrile

Concen: 1.15 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

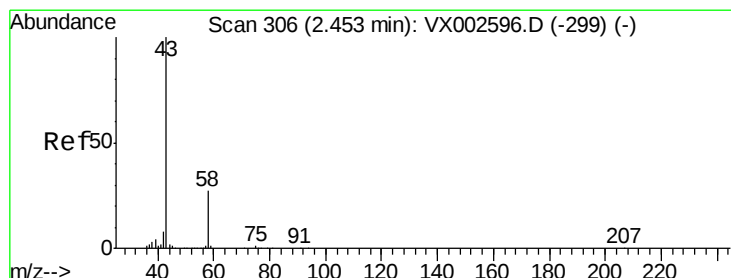
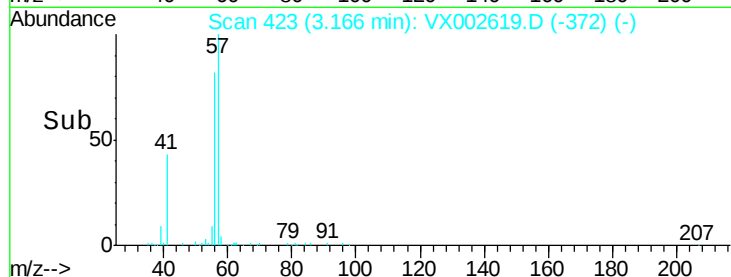
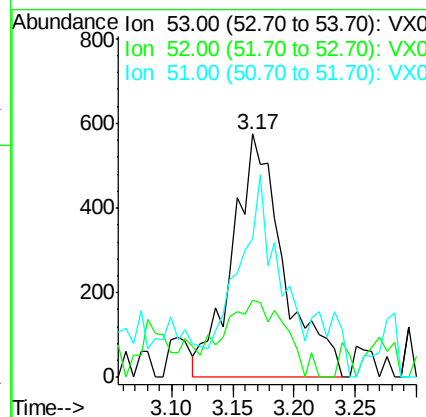
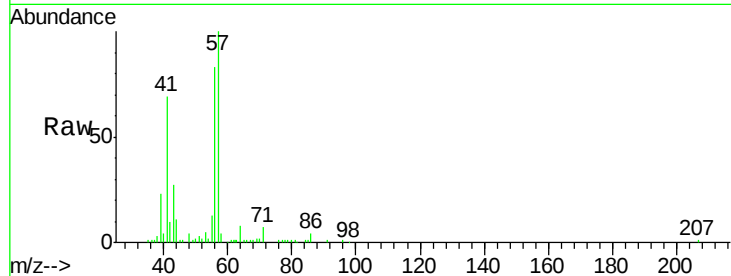
Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 53 Resp: 1663

Ion	Ratio	Lower	Upper
53	100		
52	37.9	66.7	100.1#
51	48.5	29.9	44.9#



#16

Acetone

Concen: 4.53 ug/l

RT: 2.45 min Scan# 305

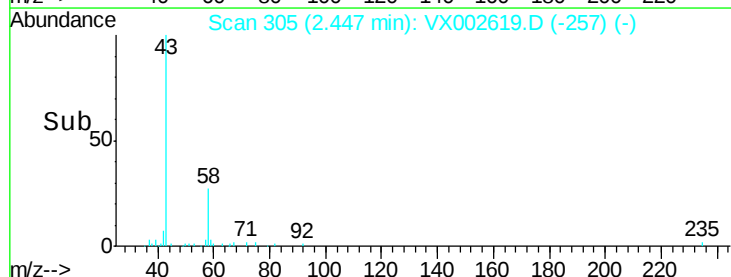
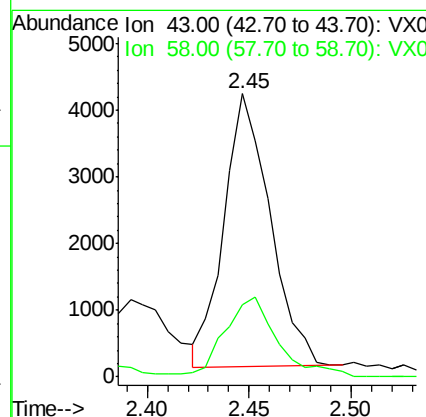
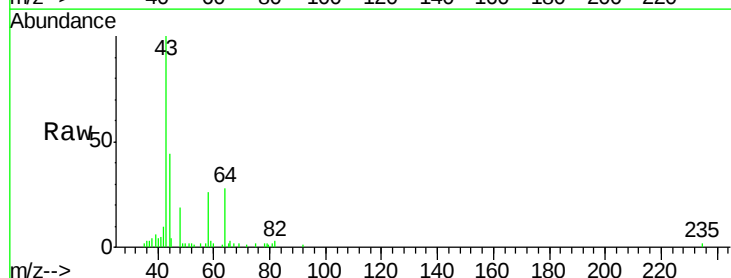
Delta R.T. -0.01 min

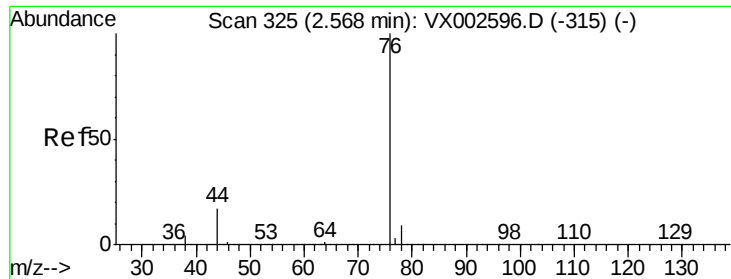
Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Tgt Ion: 43 Resp: 6406

Ion	Ratio	Lower	Upper
43	100		
58	25.3	22.1	33.1

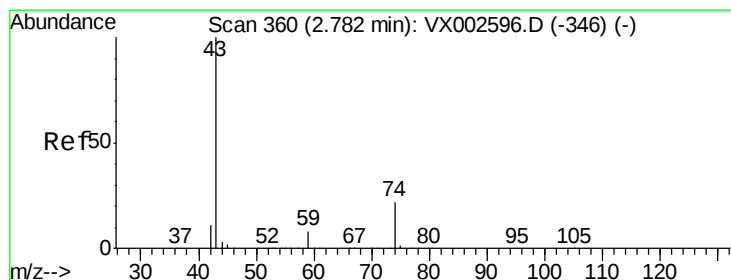
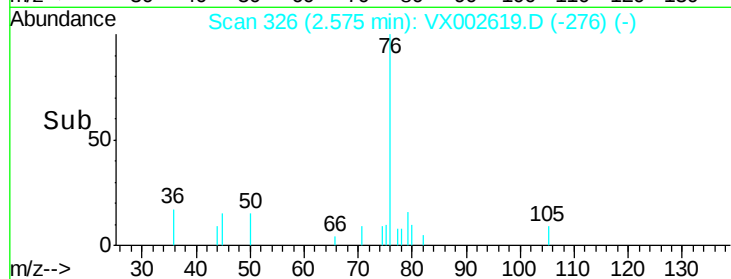
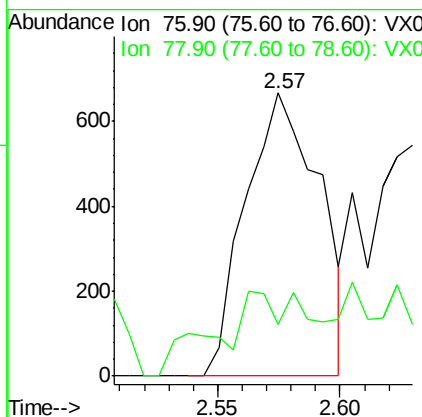
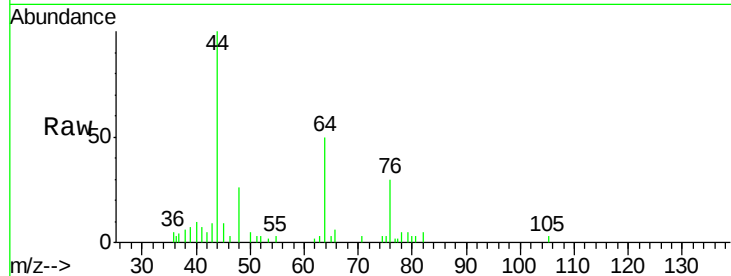




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

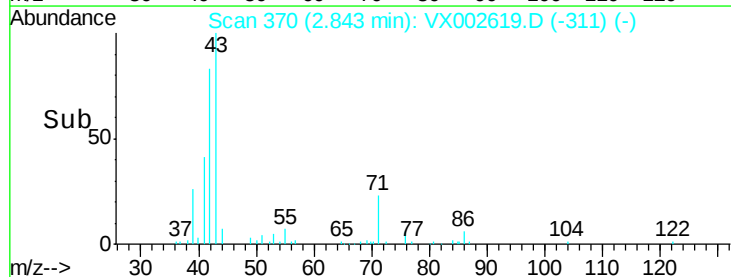
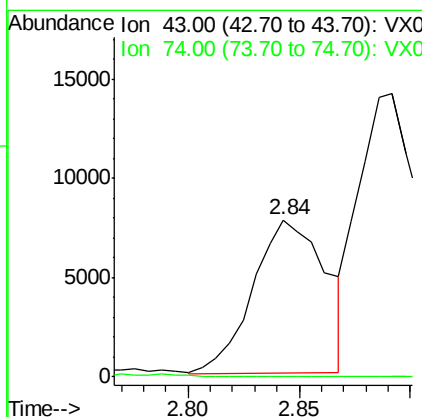
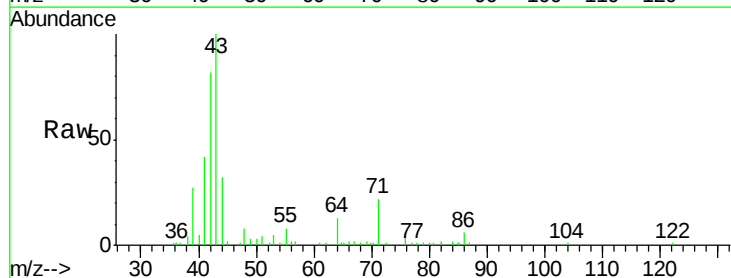
Instrument :
MSVOA_X
ClientSampleId :

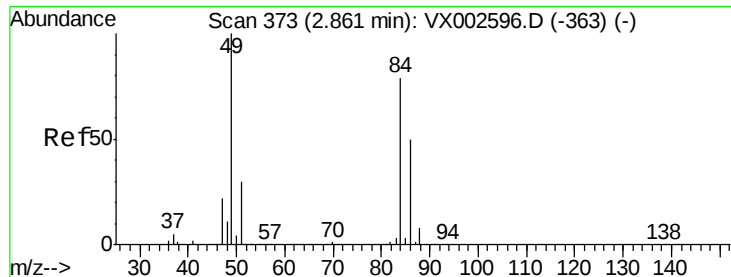
Tot Ion: 76 Resp: 1401
Ion Ratio Lower Upper
76 100
78 3.3 6.9 10.3#



#18
Methyl Acetate
Concen: 4.70 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 43 Resp: 17697
Ion Ratio Lower Upper
43 100
74 0.1 16.7 25.1#





#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 84 Resp: 1236

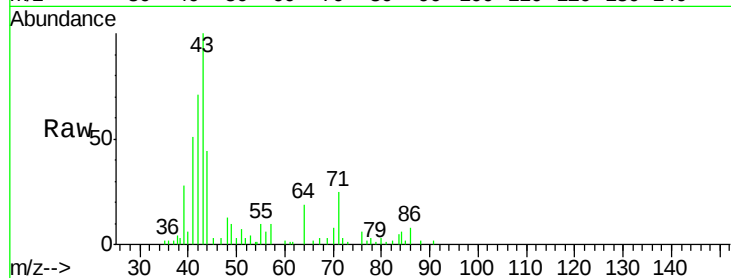
Ion Ratio Lower Upper

84 100

49 86.5 107.8 161.6#

51 44.9 32.8 49.2

86 53.2 52.5 78.7

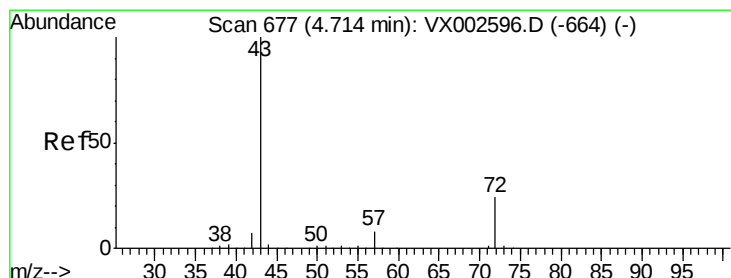
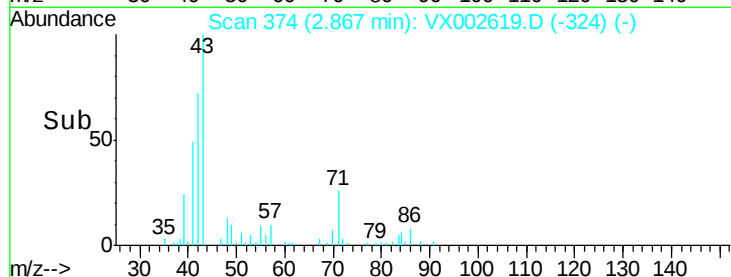
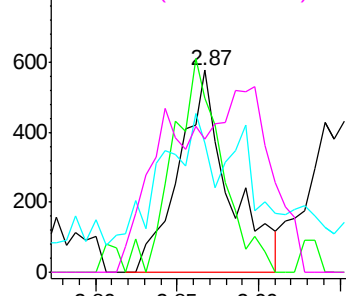


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 0.30 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002619.D

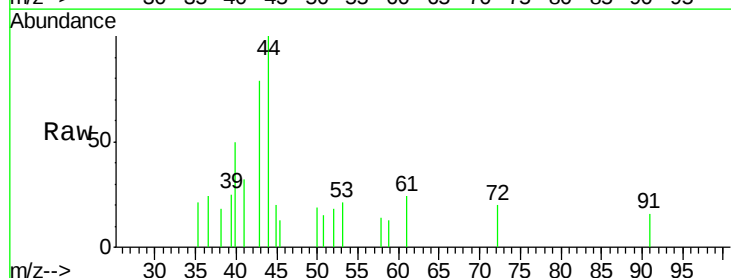
Acq: 16 Jun 2018 01:28

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

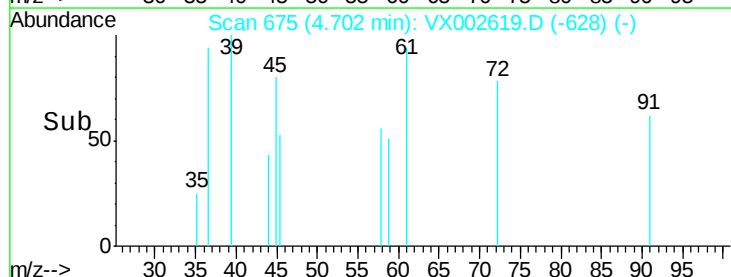
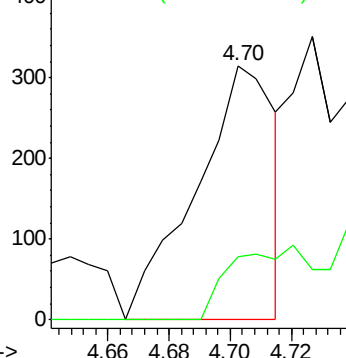
43 100

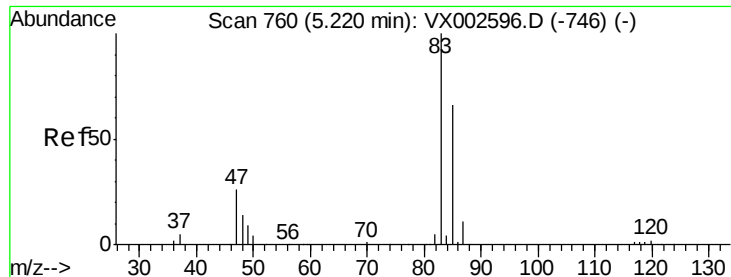
72 24.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

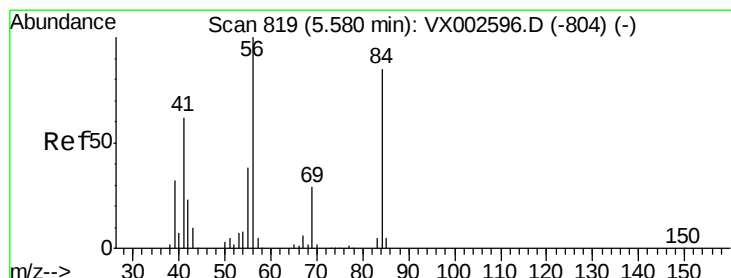
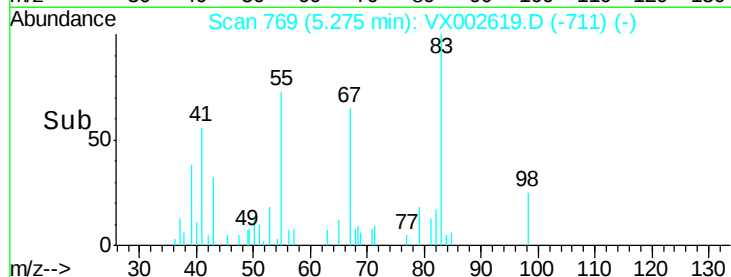
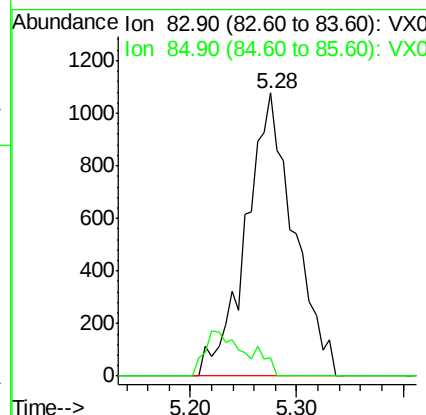
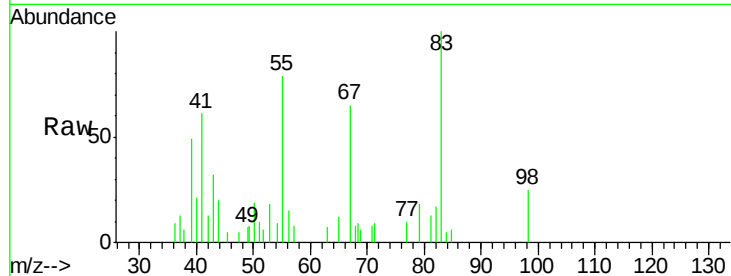




#30
Chloroform
Concen: 0.76 ug/l
RT: 5.28 min Scan# 769
Delta R.T. 0.06 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

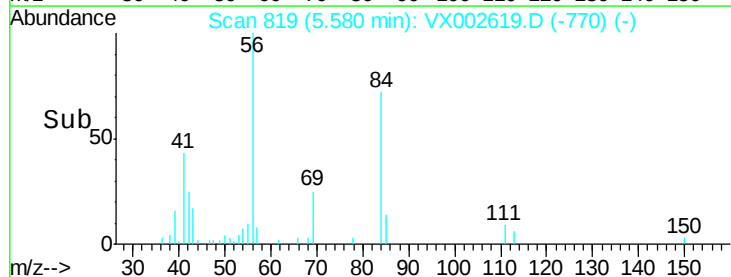
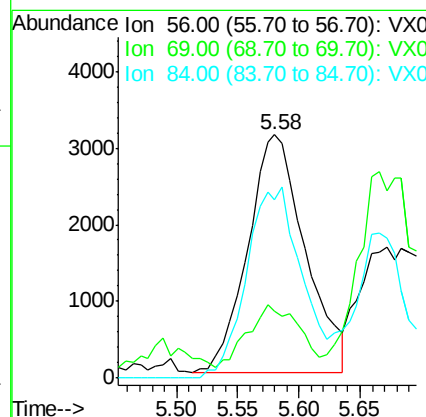
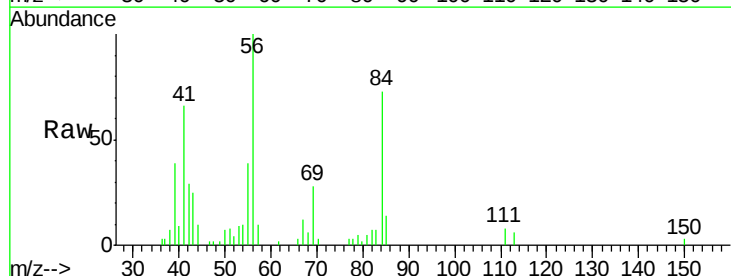
Instrument :
MSVOA_X
ClientSampled :

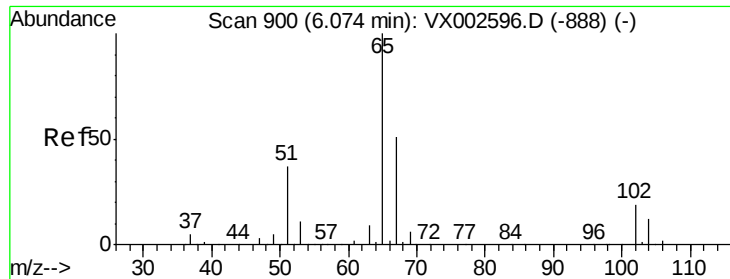
Tot Ion: 83 Resp: 3370
Ion Ratio Lower Upper
83 100
85 6.3 50.4 75.6#



#31
Cyclohexane
Concen: 2.69 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 56 Resp: 10149
Ion Ratio Lower Upper
56 100
69 19.8 23.7 35.5#
84 74.8 64.1 96.1

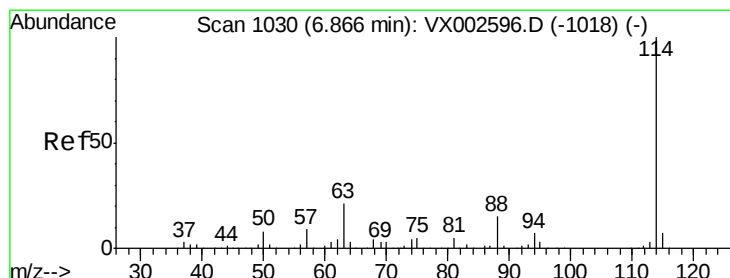
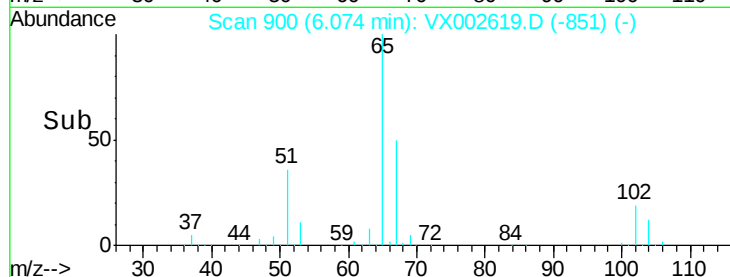
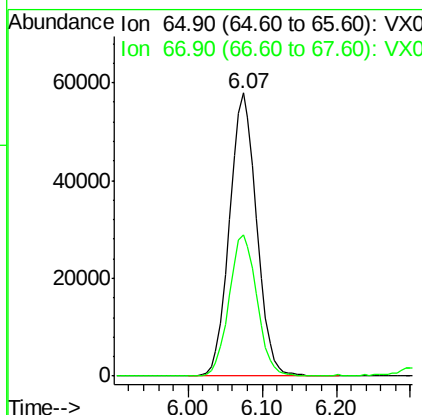
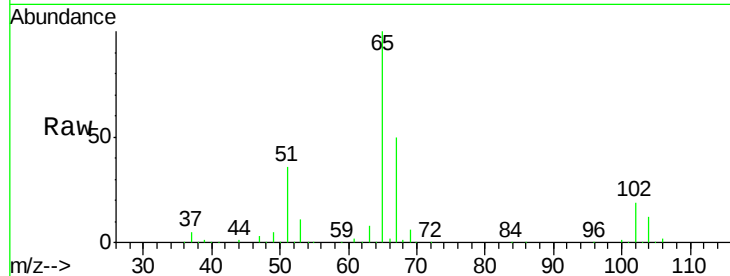




#33
 1,2-Dichloroethane-d4
 Concen: 46.26 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

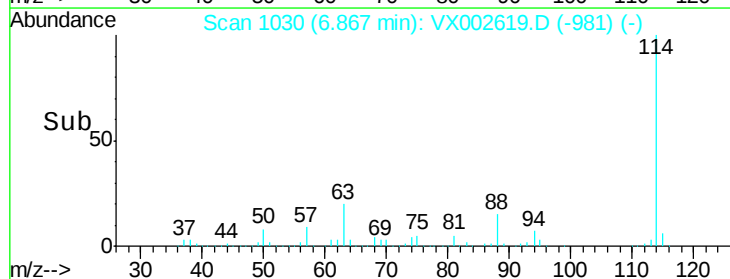
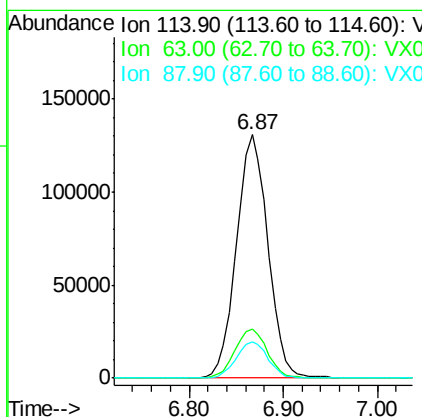
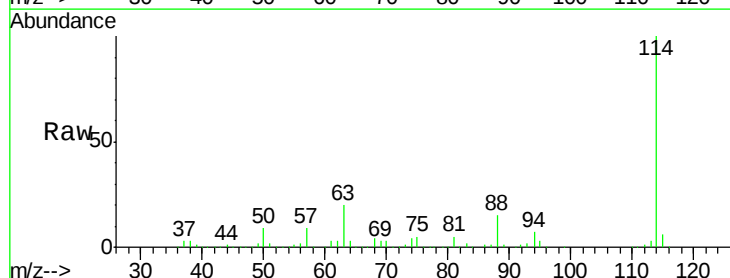
Instrument :
 MSVOA_X
 ClientSampleId :

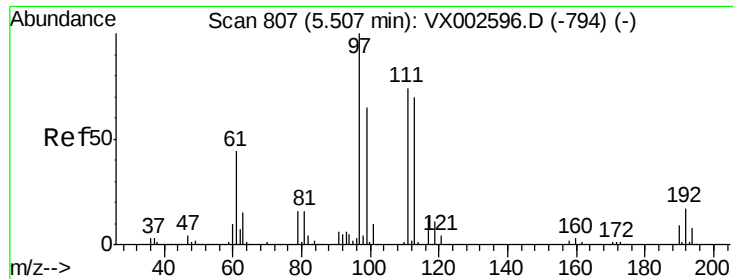
Tot Ion: 65 Resp: 148115
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Tgt Ion: 114 Resp: 304818
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.40 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :
MSVOA_X
ClientSampled :

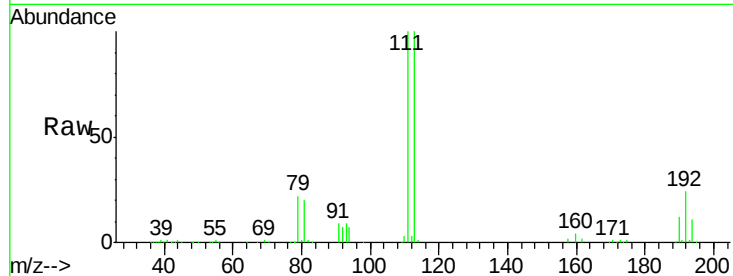
Tot Ion:113 Resp: 110446

Ion Ratio Lower Upper

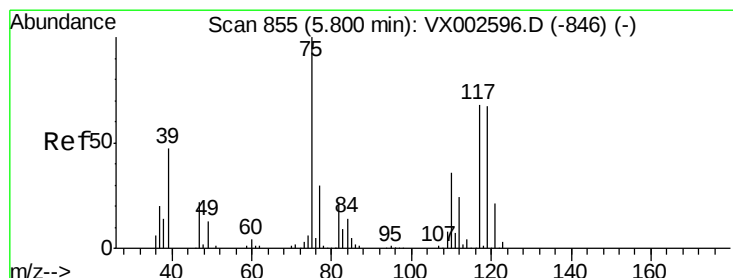
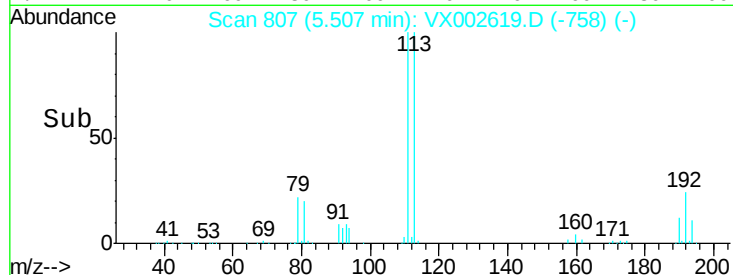
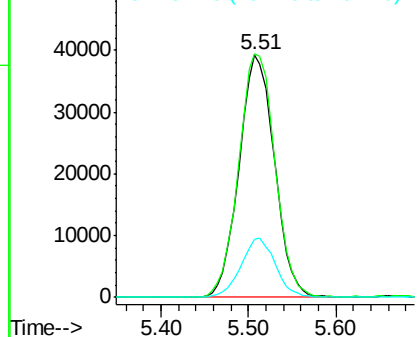
113 100

111 103.4 81.4 122.0

192 23.6 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

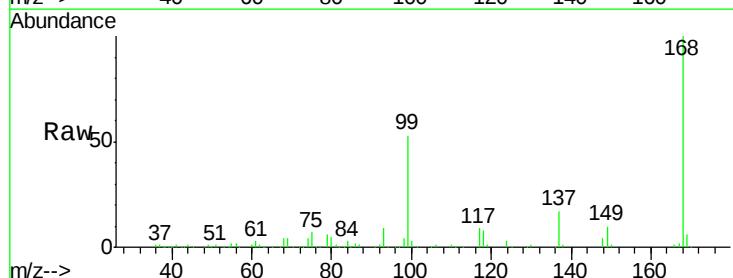
Tgt Ion: 75 Resp: 15102

Ion Ratio Lower Upper

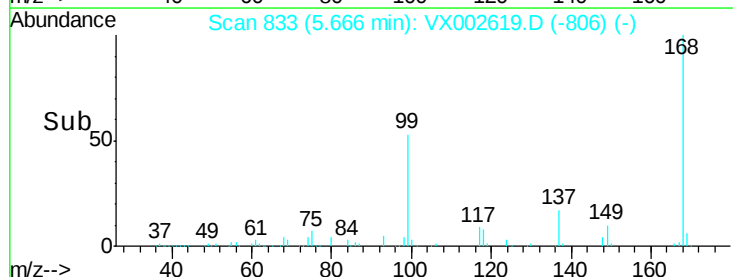
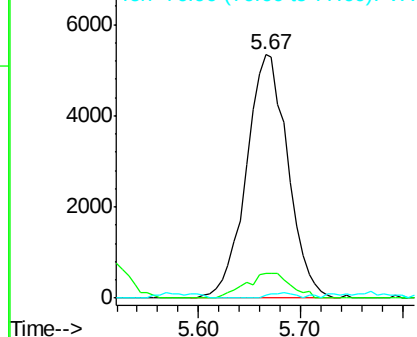
75 100

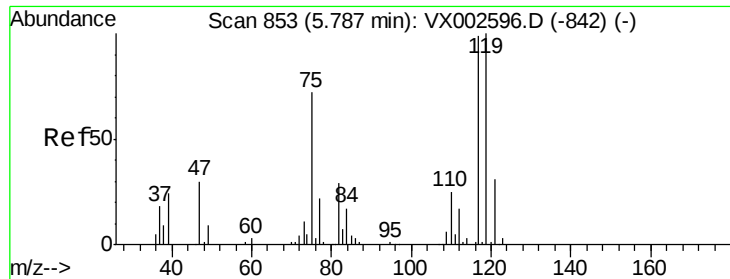
110 11.1 18.1 54.4#

77 1.2 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.20 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

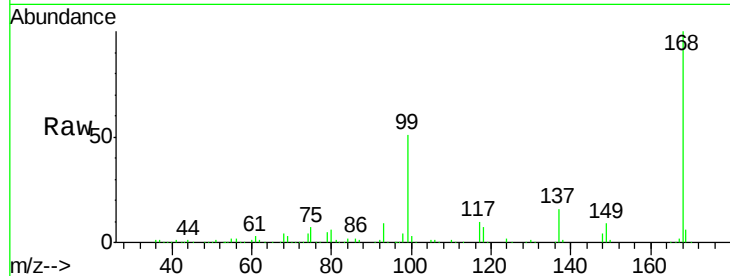
Tot Ion:117 Resp: 19973

Ion Ratio Lower Upper

117 100

119 4.1 77.4 116.0#

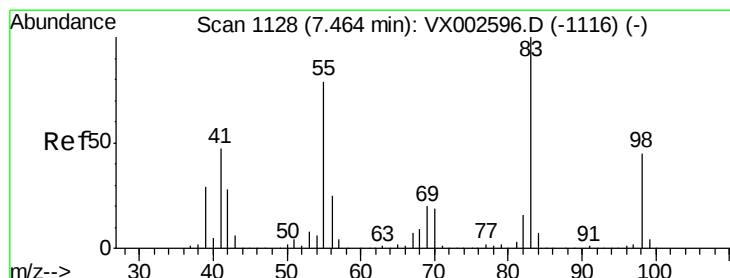
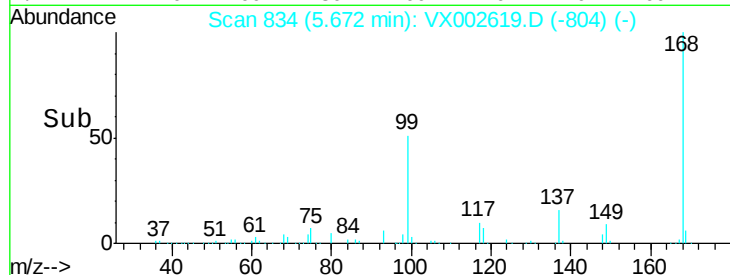
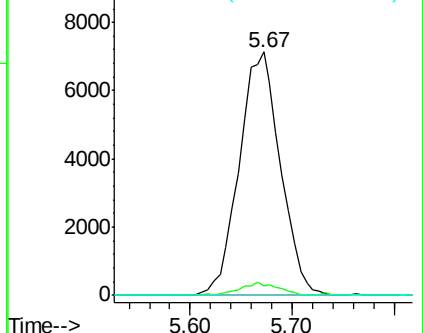
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 4.11 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

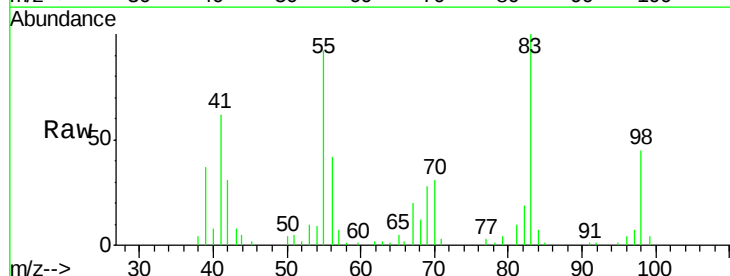
Tgt Ion: 83 Resp: 15549

Ion Ratio Lower Upper

83 100

55 90.3 65.4 98.0

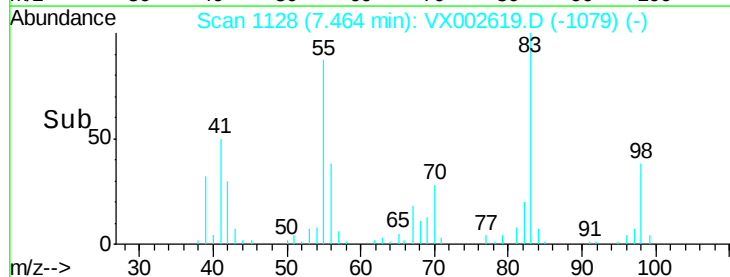
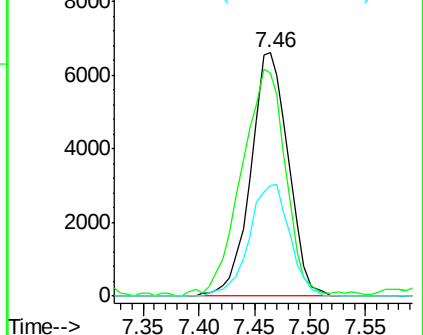
98 45.4 37.4 56.0

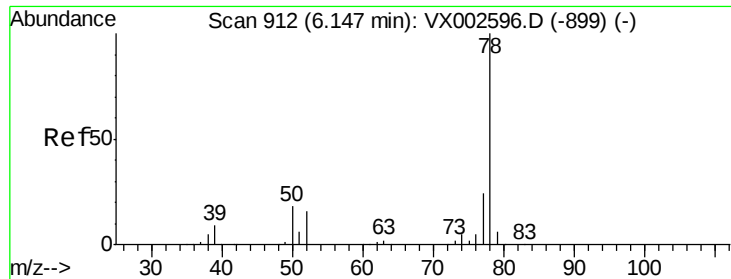


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.57 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

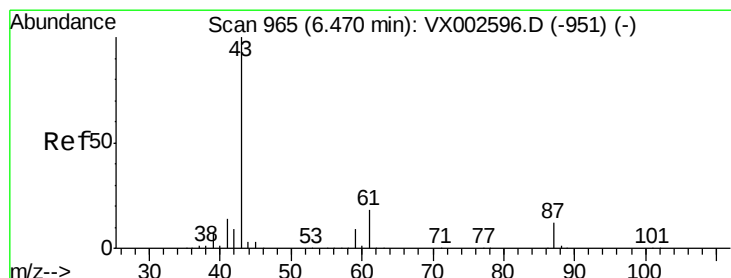
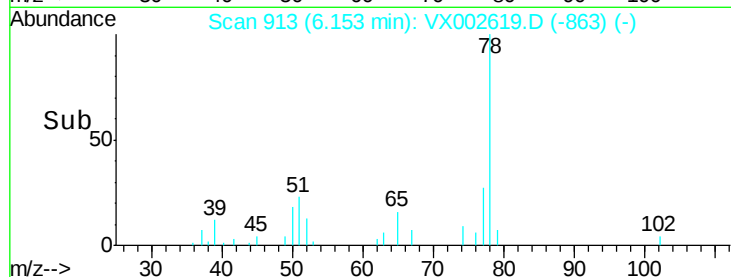
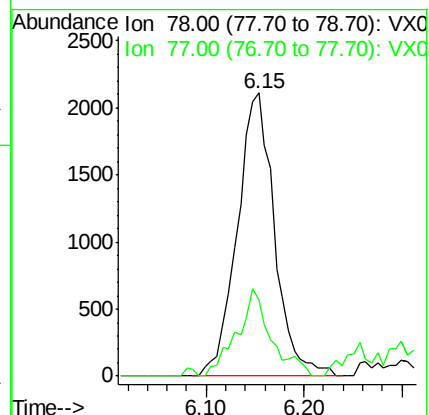
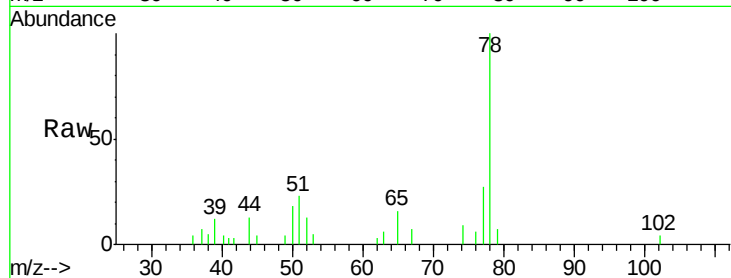
ClientSampled :

Tot Ion: 78 Resp: 5571

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7



#43

Isopropyl Acetate

Concen: 0.24 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

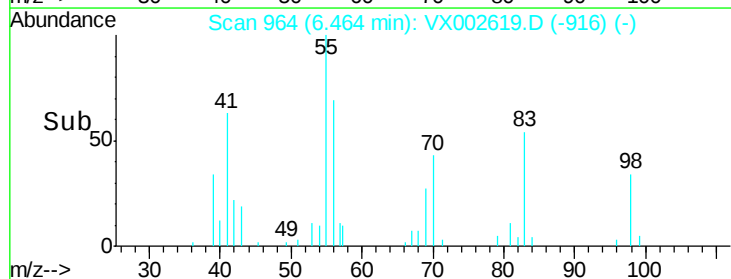
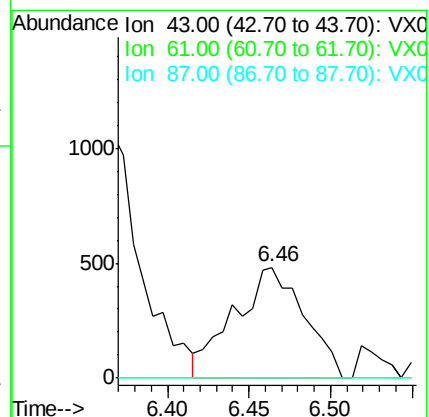
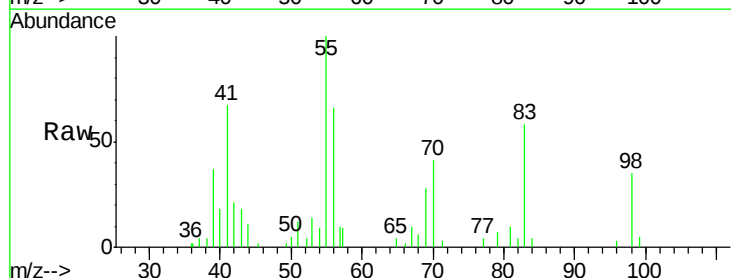
Tgt Ion: 43 Resp: 1432

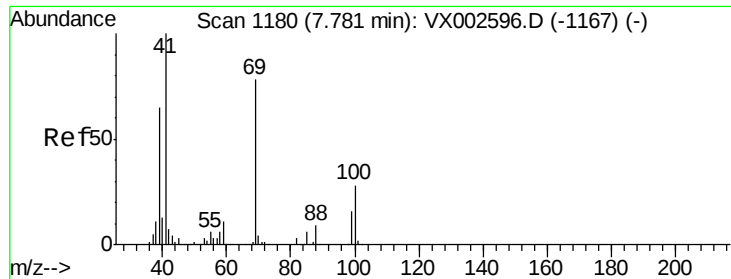
Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

87 0.0 9.5 14.3#

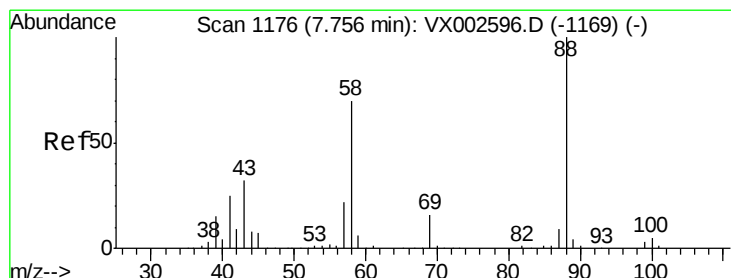
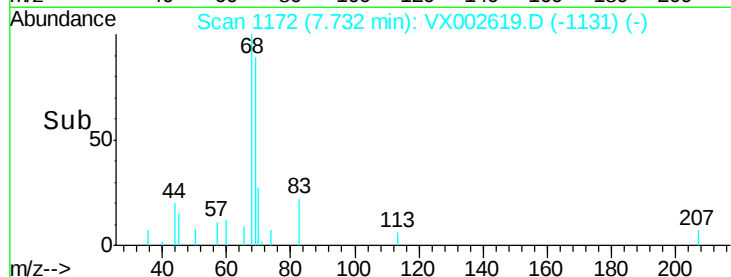
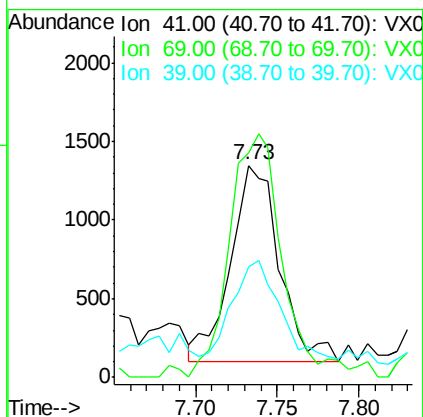
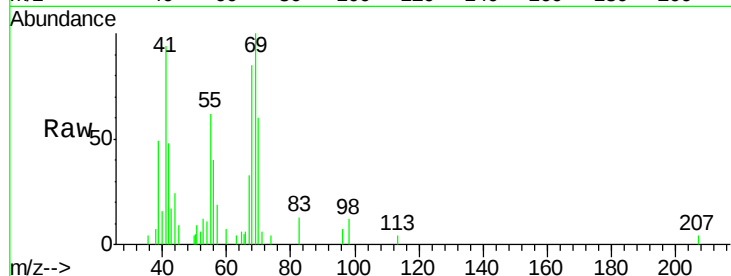




#48
Methvl methacrylate
Concen: 0.84 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

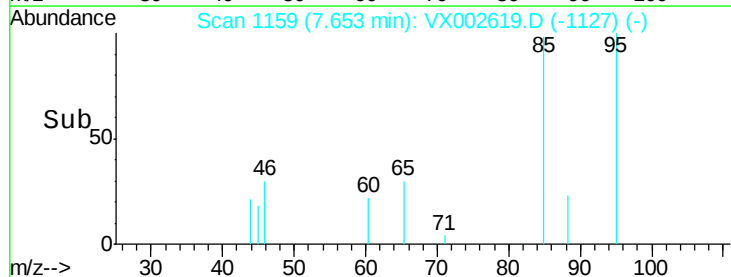
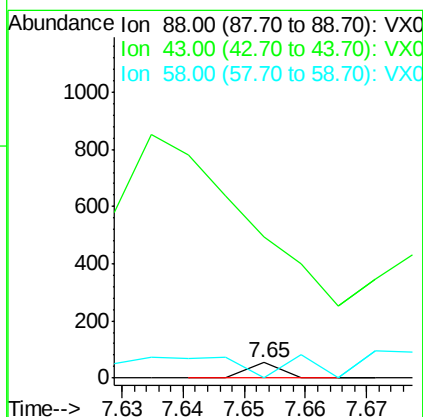
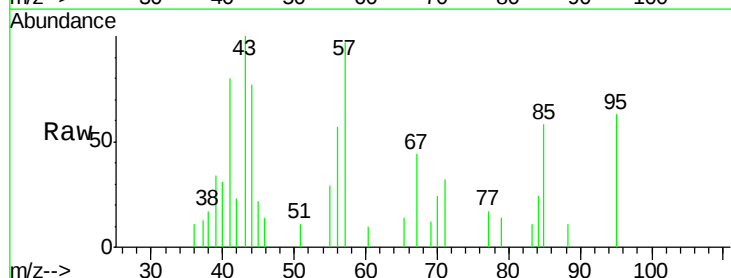
Instrument :
MSVOA_X
ClientSampled :

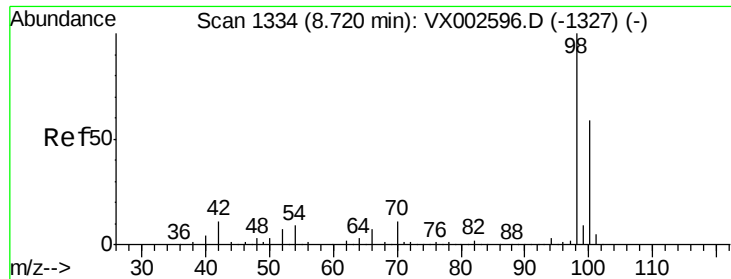
Tot Ion: 41 Resp: 2603
Ion Ratio Lower Upper
41 100
69 137.6 59.1 88.7#
39 48.1 48.9 73.3#



#49
1,4-Dioxane
Concen: 0.32 ug/l
RT: 7.65 min Scan# 1159
Delta R.T. -0.10 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 5663.2 29.8 44.6#
58 510.5 57.1 85.7#

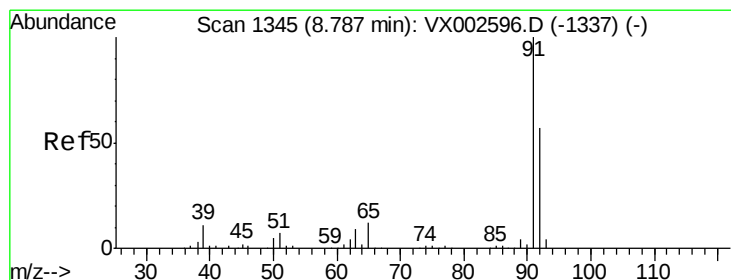
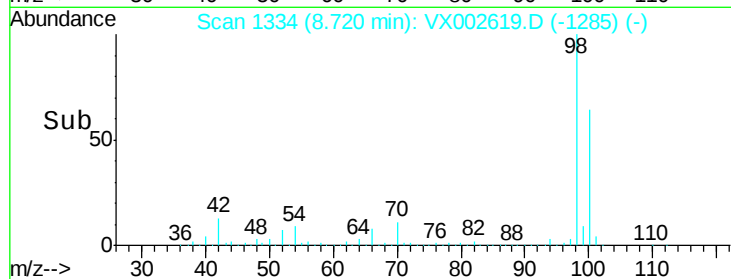
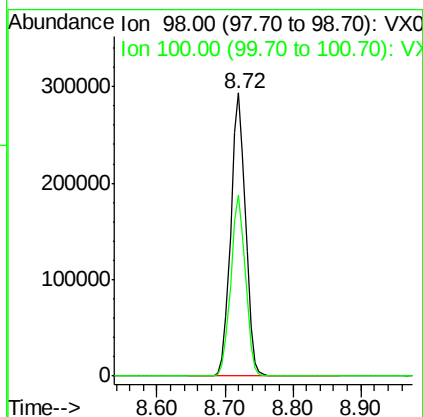
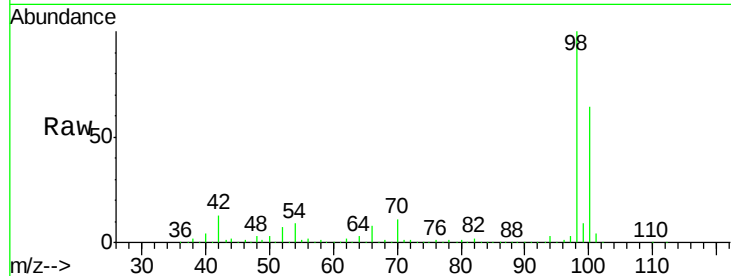




#50
Toluene-d8
Concen: 47.90 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

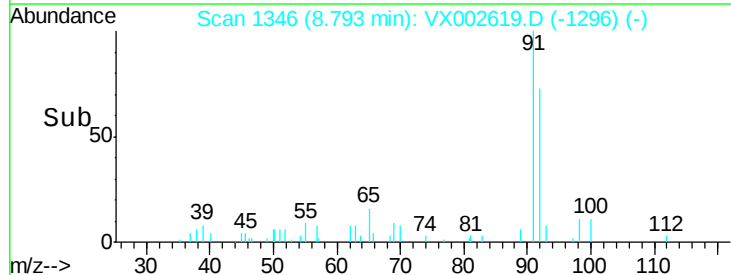
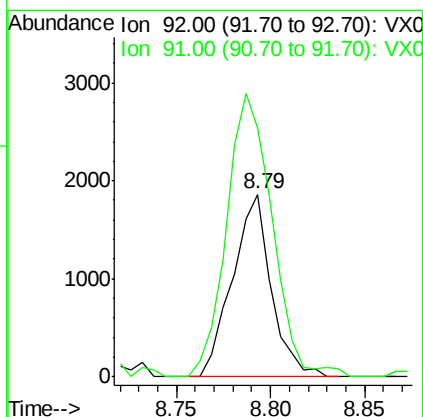
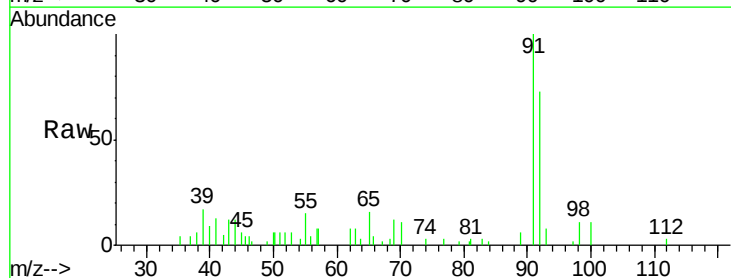
Instrument :
MSVOA_X
ClientSampleId :

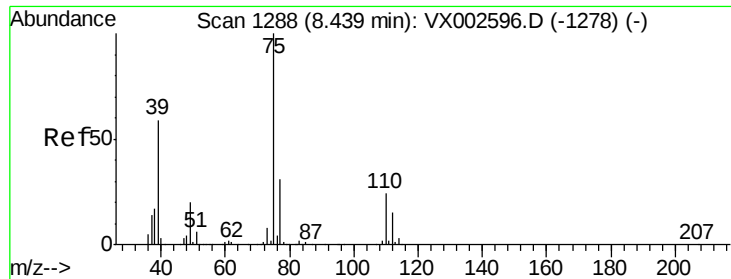
Tot Ion: 98 Resp: 442427
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#52
Toluene
Concen: 0.43 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 92 Resp: 2653
Ion Ratio Lower Upper
92 100
91 182.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.57 min Scan# 1309

Delta R.T. 0.13 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

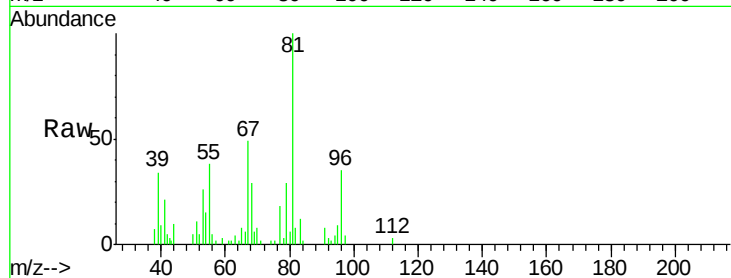
ClientSampled :

Tot Ion: 75 Resp: 27

Ion Ratio Lower Upper

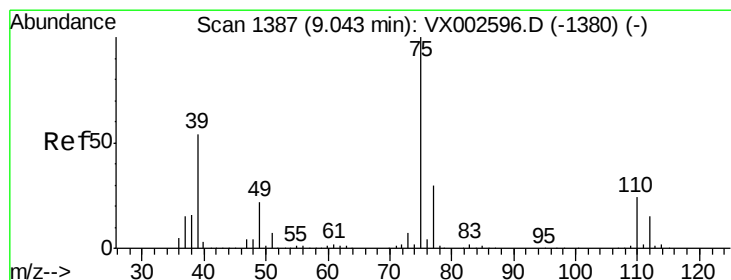
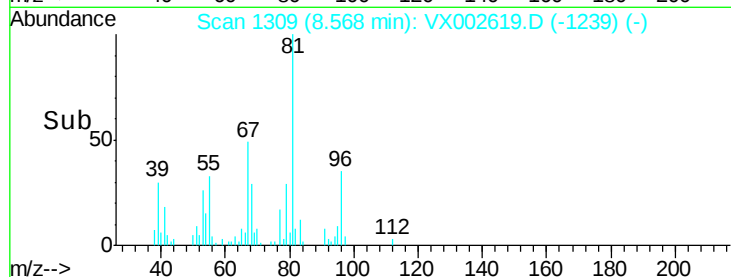
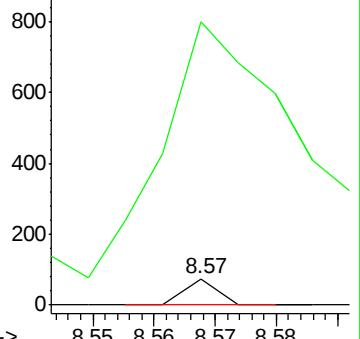
75 100

77 745.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.23 ug/l

RT: 8.92 min Scan# 1366

Delta R.T. -0.13 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

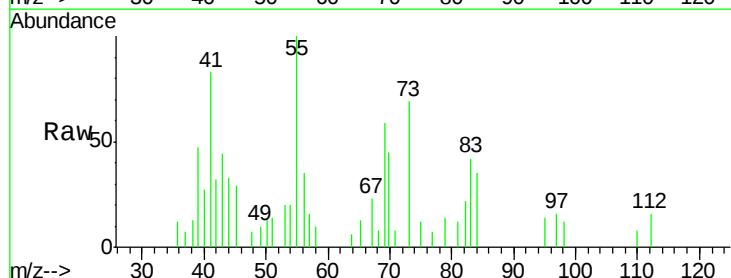
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

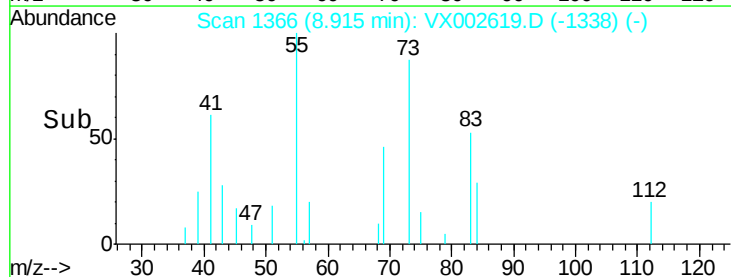
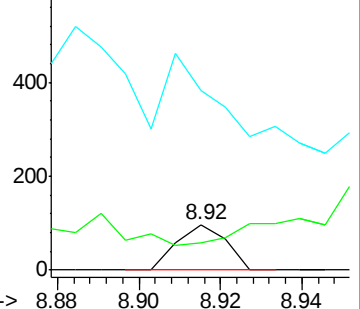
39 80.2 42.4 63.6#

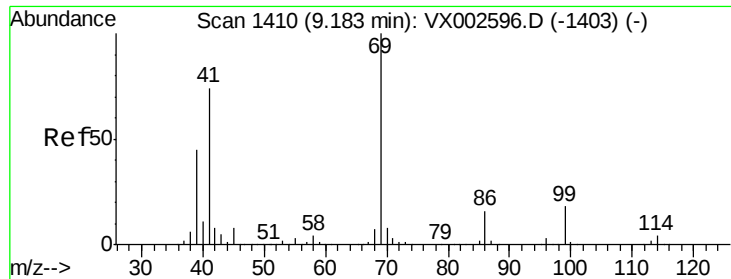


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

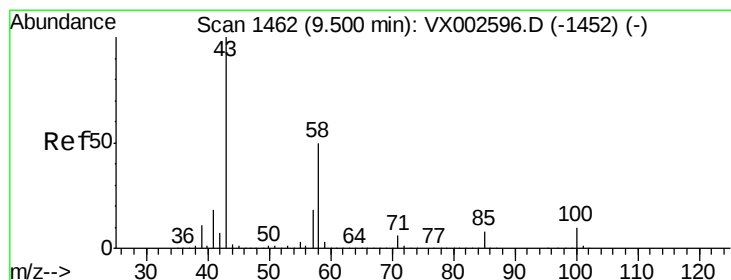
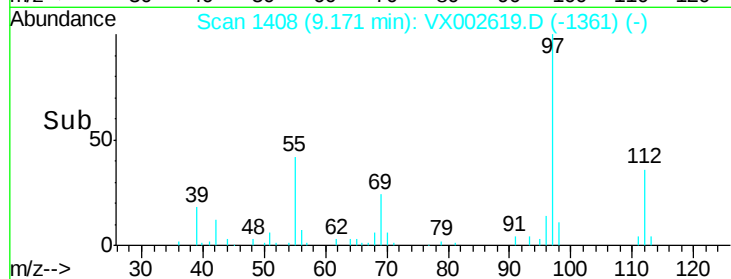
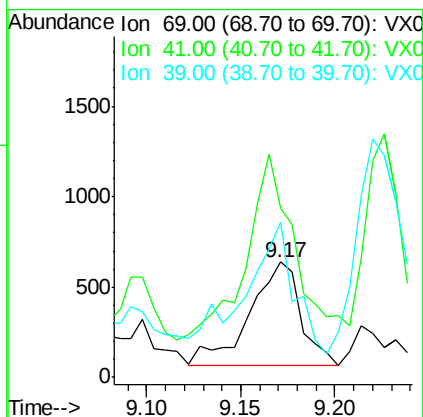
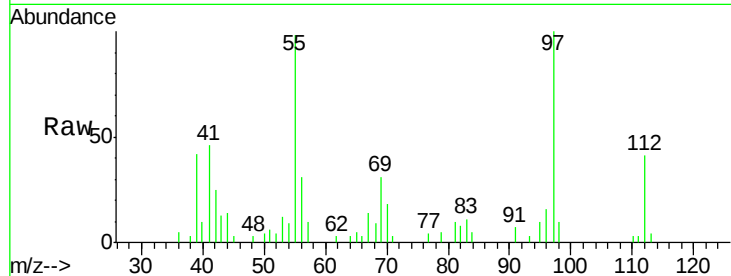




#56
Ethyl methacrylate
Concen: 0.28 ug/l
RT: 9.17 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

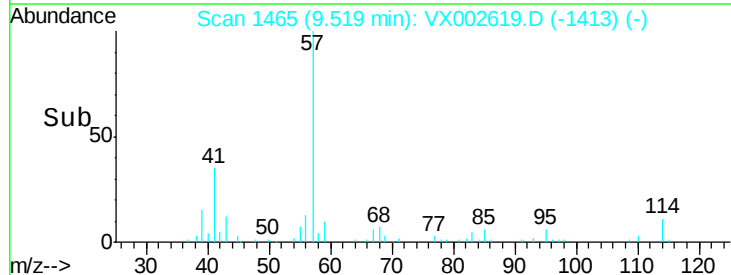
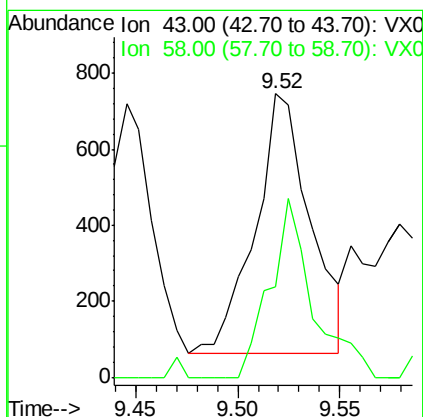
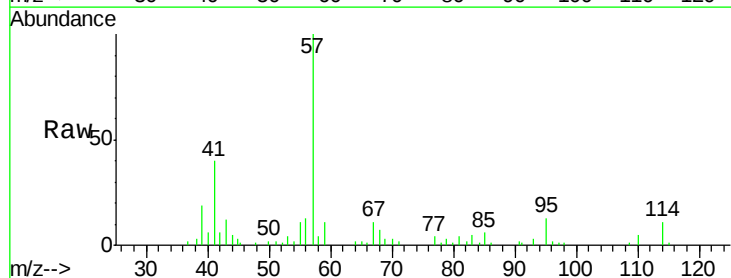
Instrument :
MSVOA_X
ClientSampled :

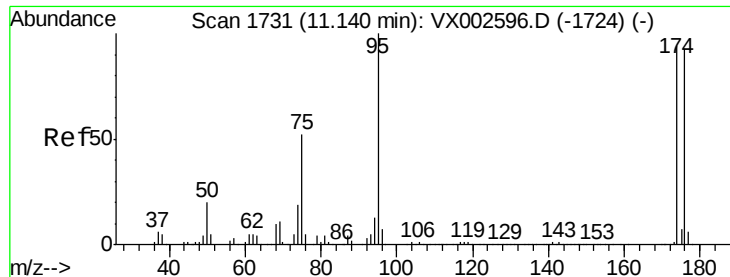
Tot Ion: 69 Resp: 1096
Ion Ratio Lower Upper
69 100
41 160.5 60.3 90.5#
39 119.9 35.8 53.8#



#59
2-Hexanone
Concen: 0.44 ug/l
RT: 9.52 min Scan# 1465
Delta R.T. 0.02 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 53.2 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 44.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

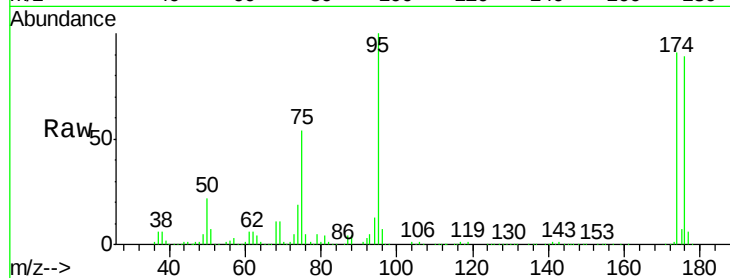
Tot Ion: 95 Resp: 155220

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

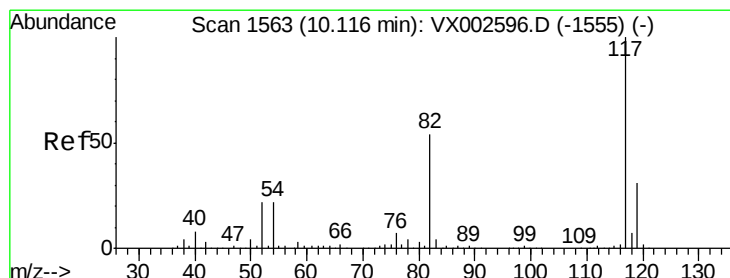
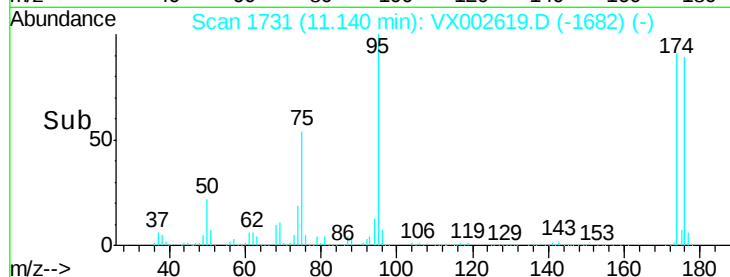
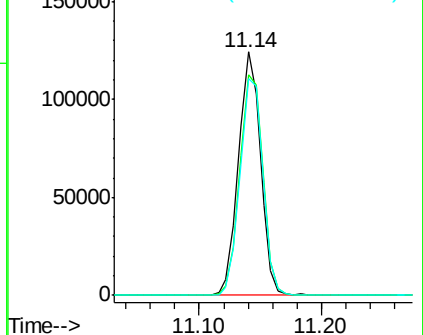
176 92.3 0.0 181.0



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: VX002619.D

Acq: 16 Jun 2018 01:28

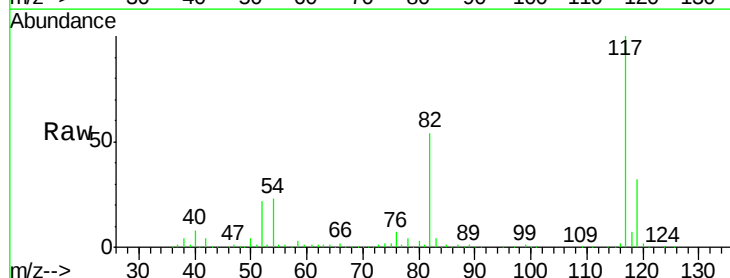
Tgt Ion: 117 Resp: 283083

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.4

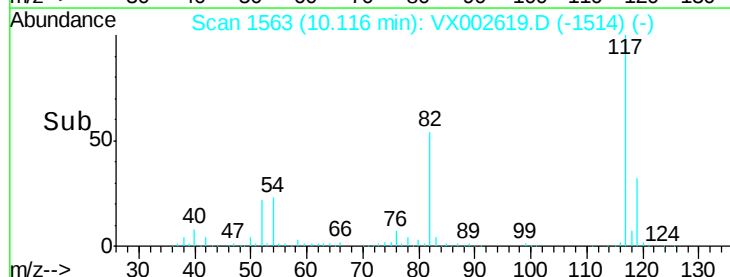
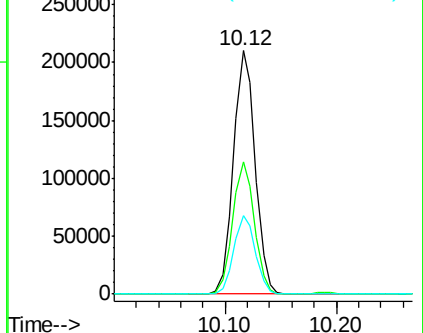
119 32.4 25.8 38.6

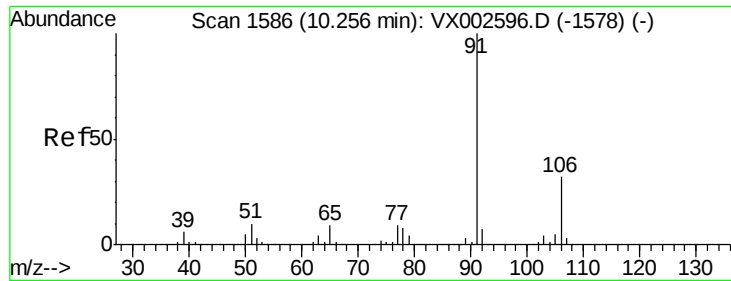


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 1.26 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

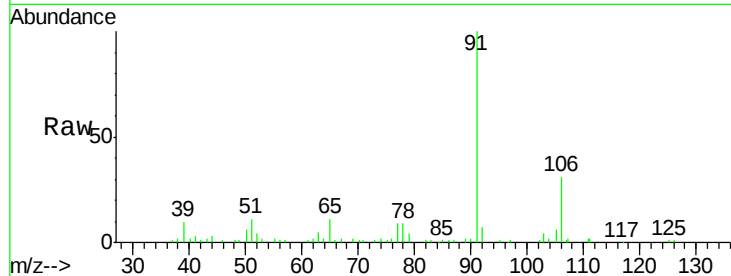
ClientSampled :

Tot Ion: 91 Resp: 14729

Ion Ratio Lower Upper

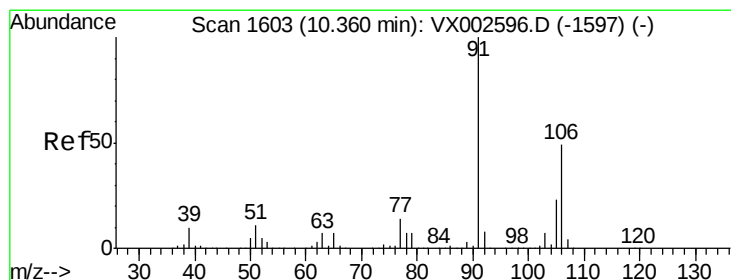
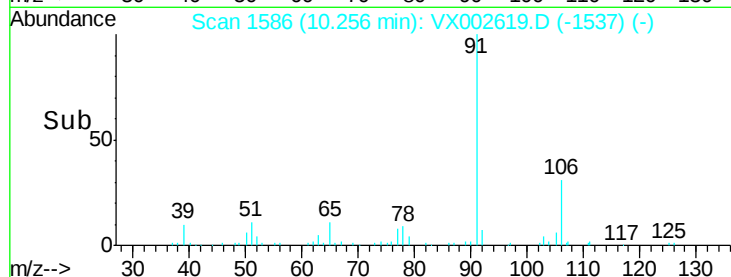
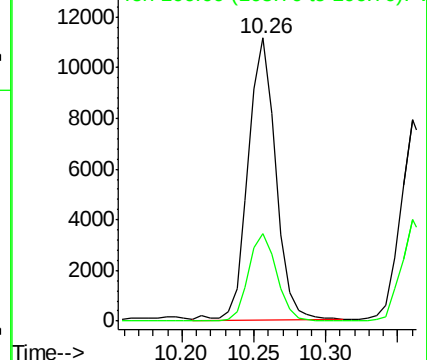
91 100

106 31.2 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: 1.16 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX002619.D

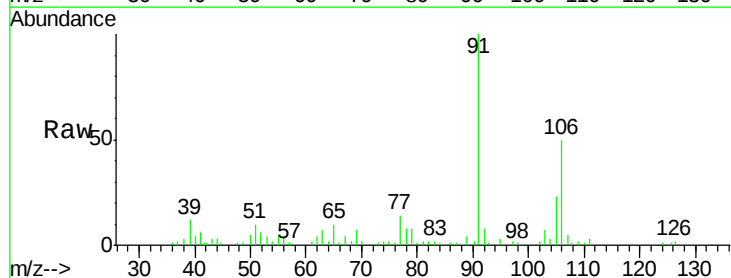
Acq: 16 Jun 2018 01:28

Tgt Ion: 106 Resp: 5257

Ion Ratio Lower Upper

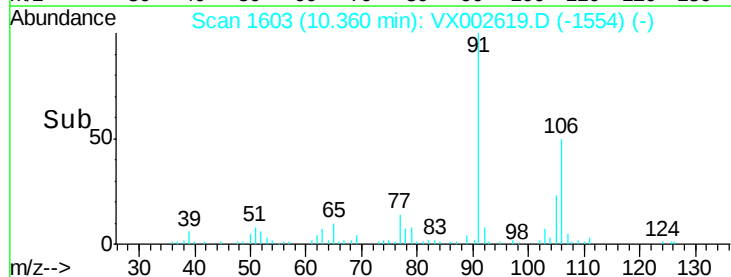
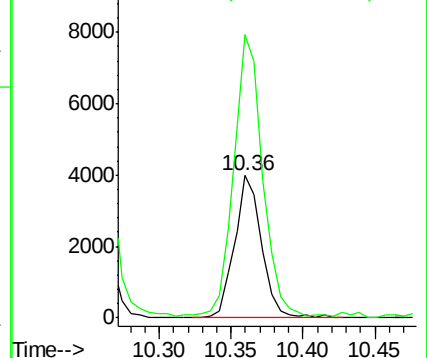
106 100

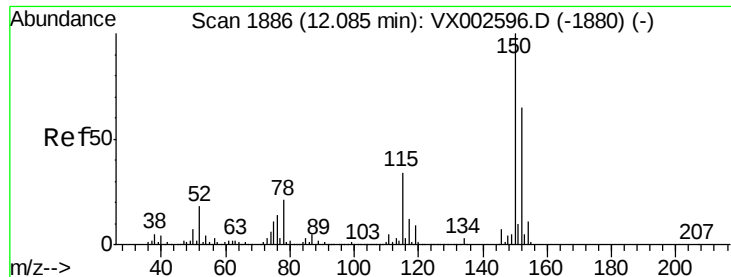
91 206.7 163.4 245.2



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

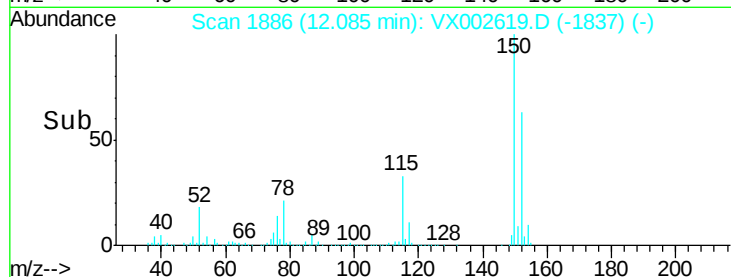
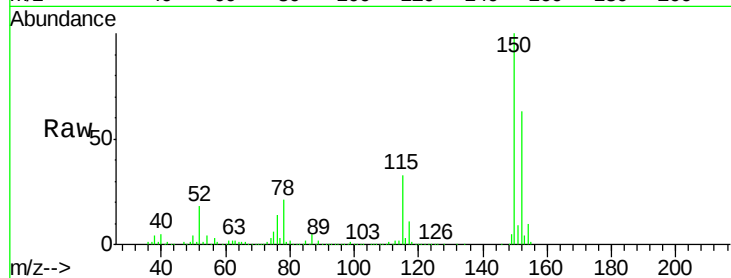
Tot Ion:152 Resp: 155067

Ion Ratio Lower Upper

152 100

115 55.7 40.1 120.2

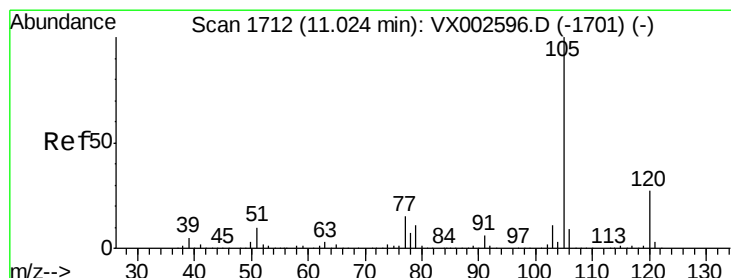
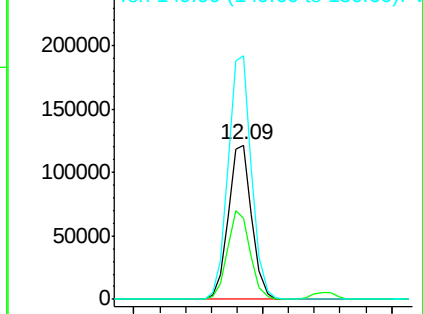
150 157.7 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 39.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002619.D

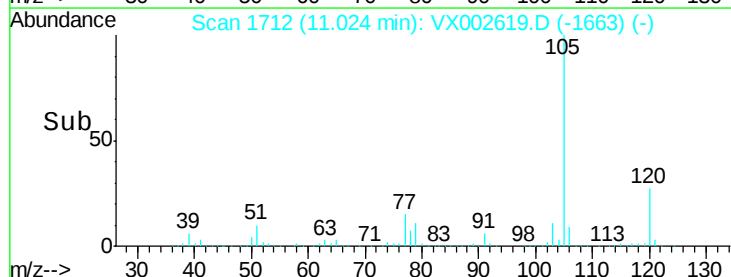
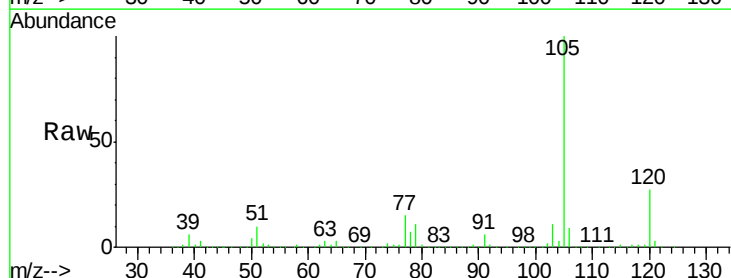
Acq: 16 Jun 2018 01:28

Tgt Ion:105 Resp: 407869

Ion Ratio Lower Upper

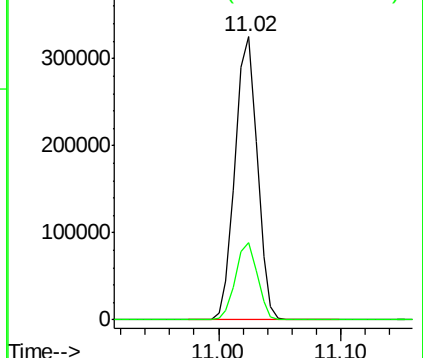
105 100

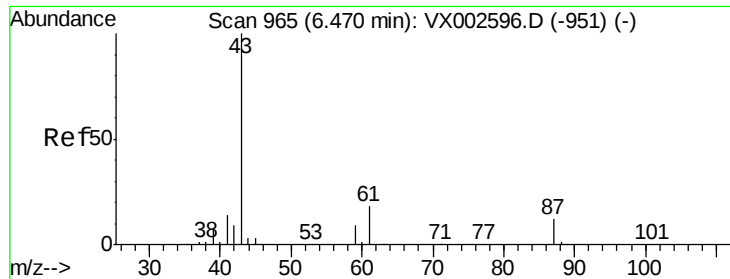
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.28 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 1432

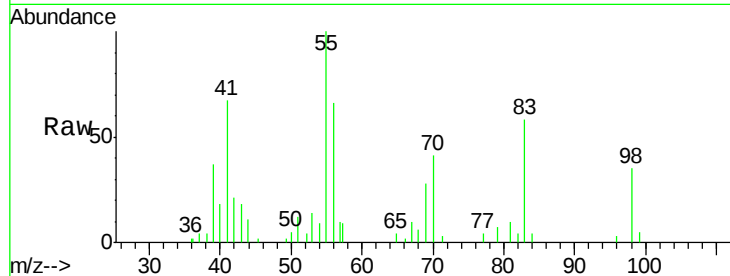
Ion Ratio Lower Upper

43 100

70 275.6 0.0 0.0#

55 506.4 0.0 0.0#

61 0.0 14.4 21.6#

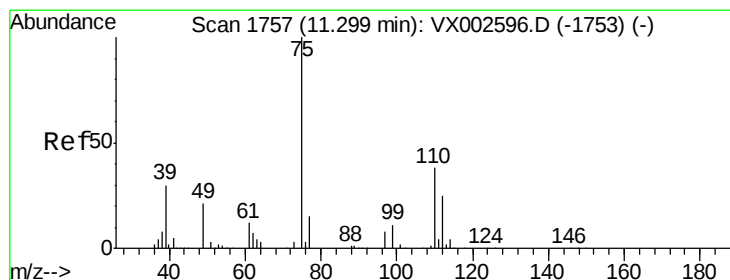
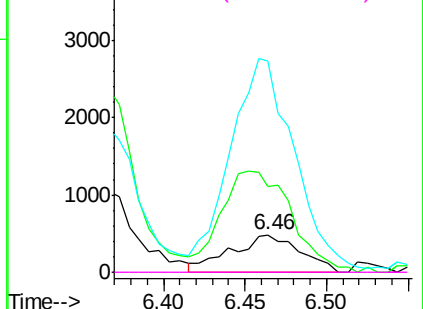
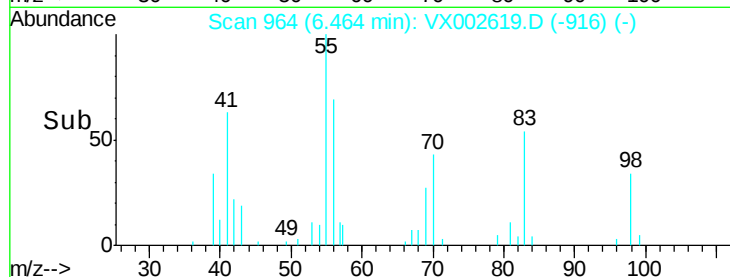


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 28.06 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002619.D

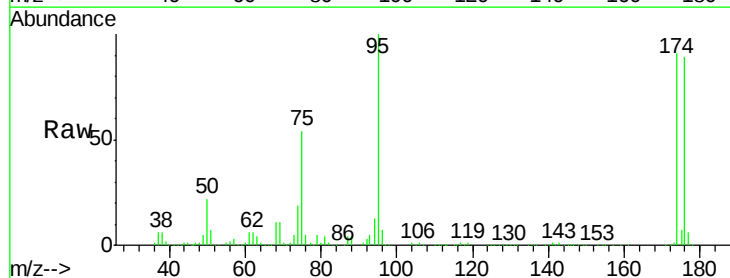
Acq: 16 Jun 2018 01:28

Tgt Ion: 75 Resp: 82101

Ion Ratio Lower Upper

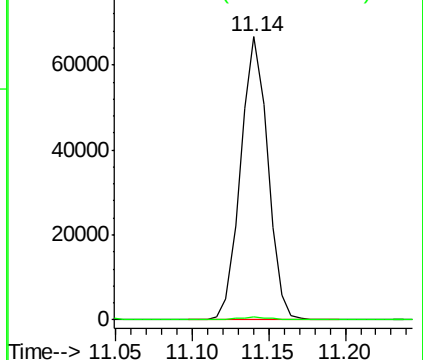
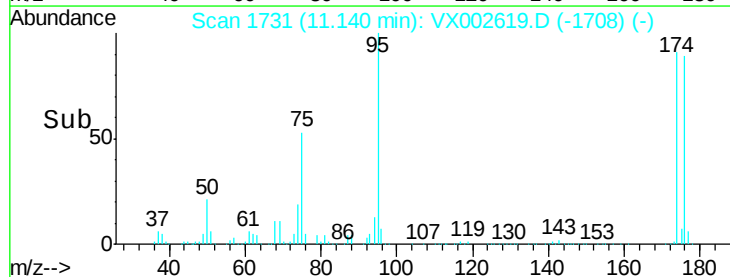
75 100

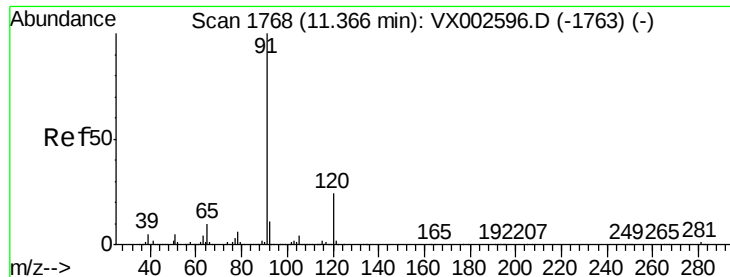
77 0.0 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 15.56 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

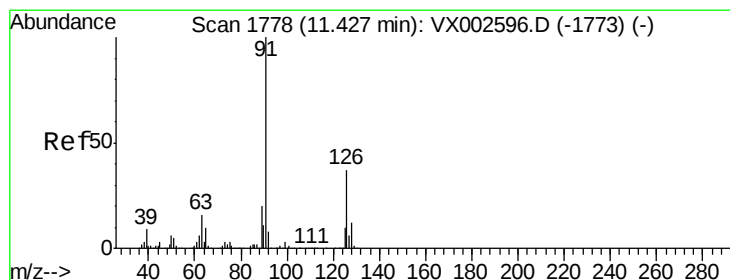
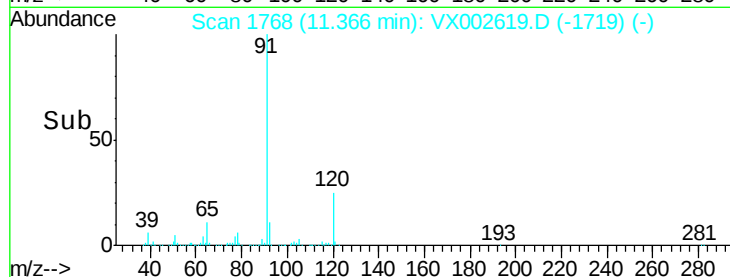
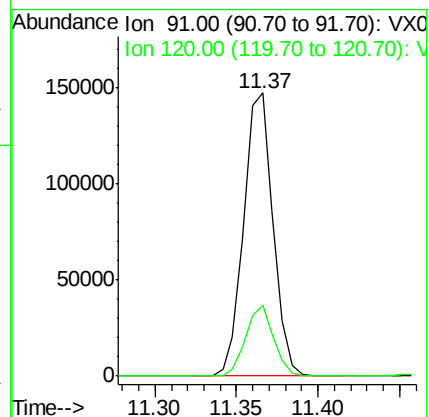
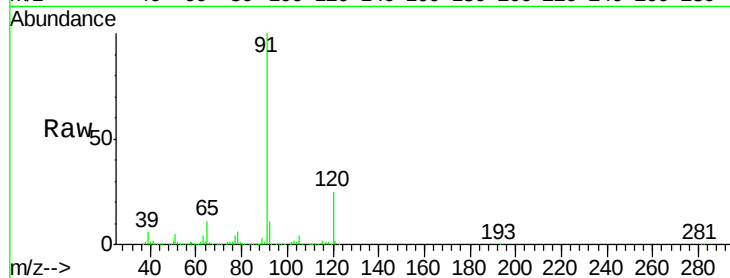
ClientSampleId :

Tot Ion: 91 Resp: 185119

Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.4



#79

2-Chlorotoluene

Concen: 26.07 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX002619.D

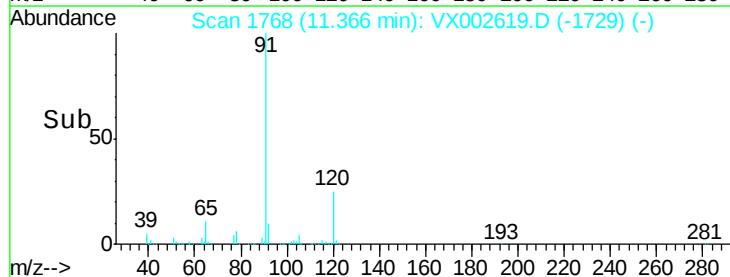
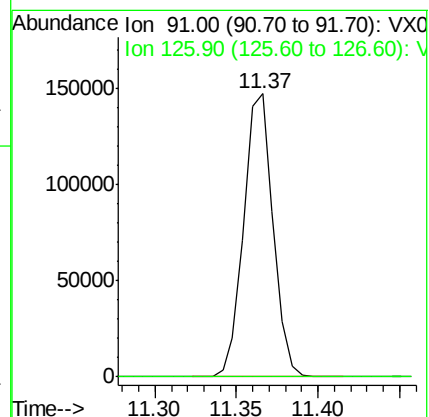
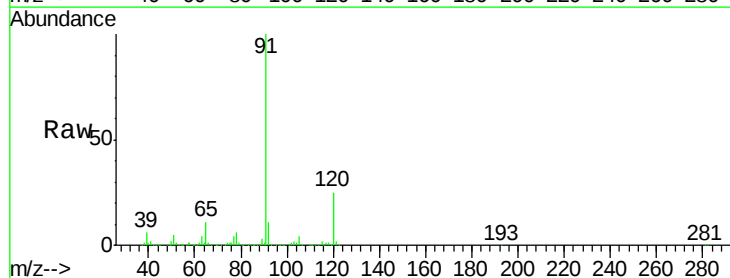
Acq: 16 Jun 2018 01:28

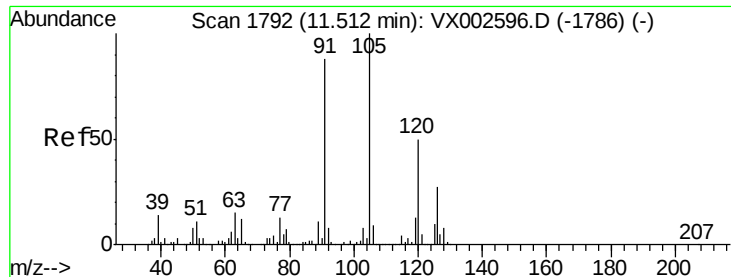
Tgt Ion: 91 Resp: 185119

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#





#80

1,3,5-Trimethylbenzene

Concen: 0.60 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

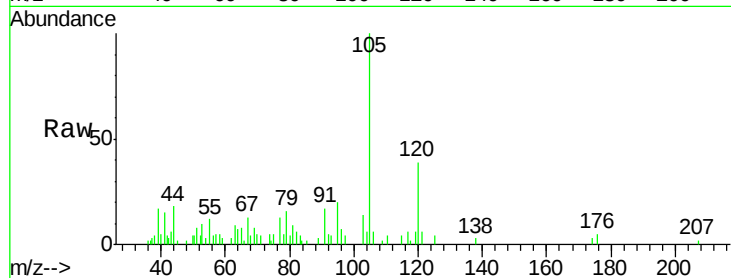
ClientSampled :

Tot Ion:105 Resp: 5255

Ion Ratio Lower Upper

105 100

120 34.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

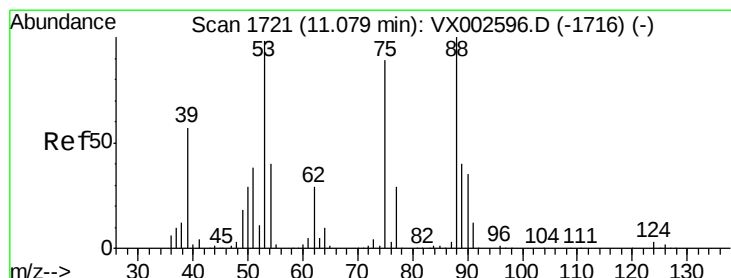
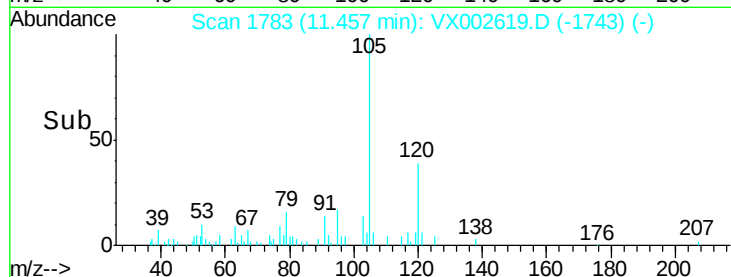
10000

5000

0

11.40 11.45 11.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 9.55 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.05 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

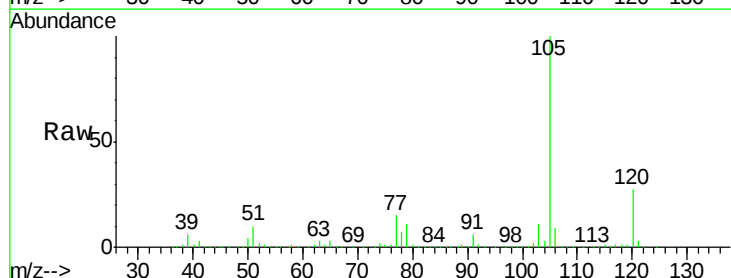
Tgt Ion: 75 Resp: 5358

Ion Ratio Lower Upper

75 100

53 107.3 86.8 130.2

89 107.7 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

6000

5000

4000

3000

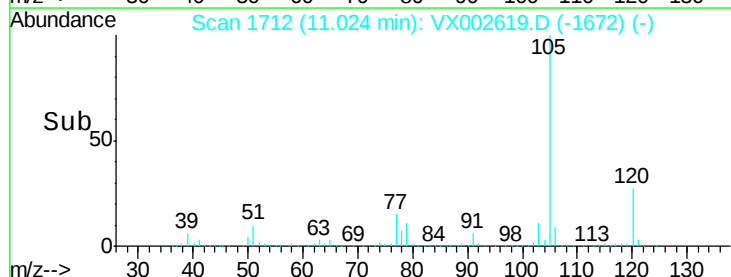
2000

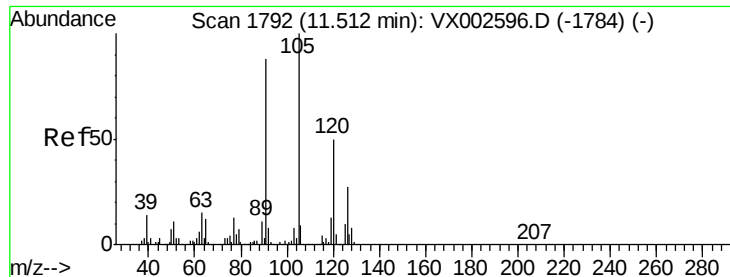
1000

0

11.00 11.05

Time-->

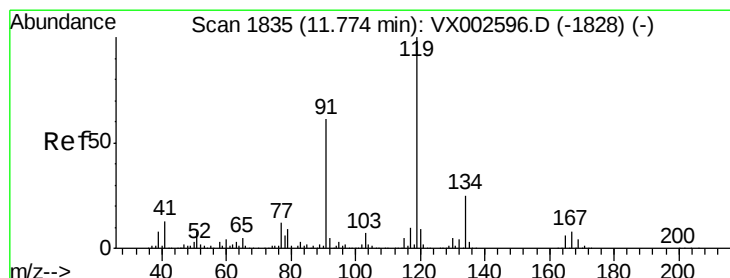
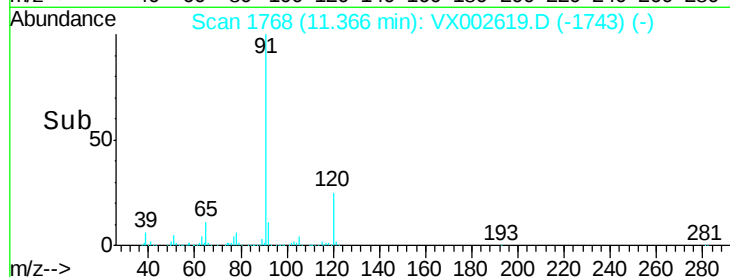
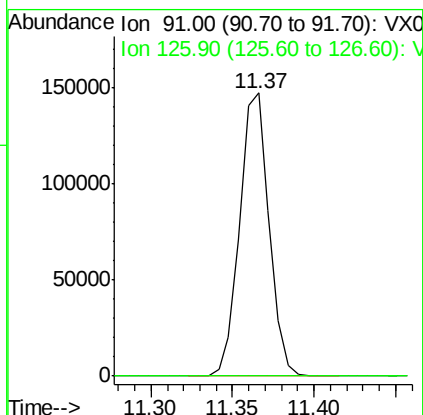
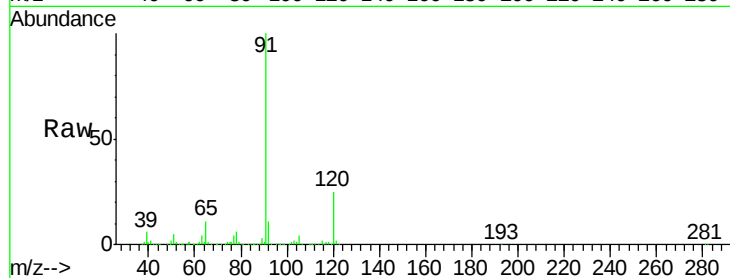




#82
4-Chlorotoluene
Concen: 22.09 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.15 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

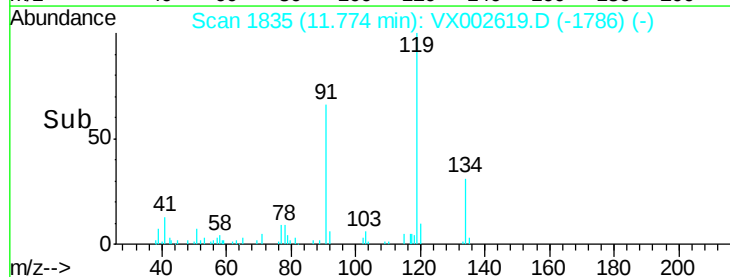
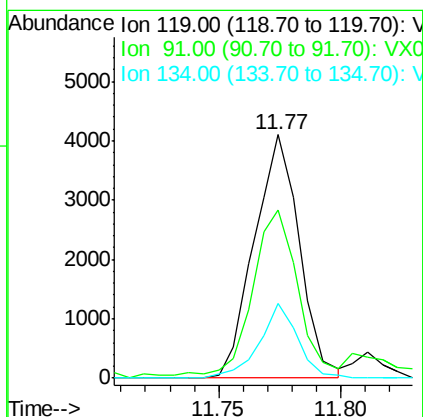
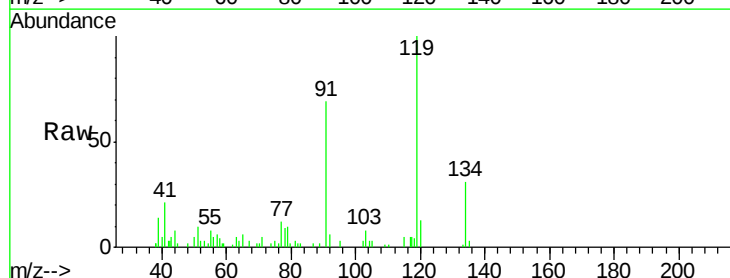
Instrument :
MSVOA_X
ClientSampleId :

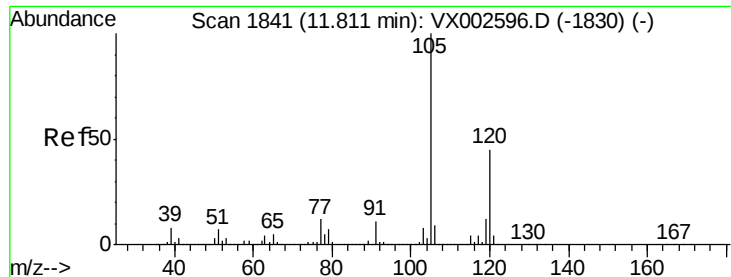
Tot Ion: 91 Resp: 185119
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.4#



#83
tert-Butylbenzene
Concen: 0.63 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Tgt Ion: 119 Resp: 5297
Ion Ratio Lower Upper
119 100
91 71.6 30.3 90.9
134 26.0 11.7 35.1

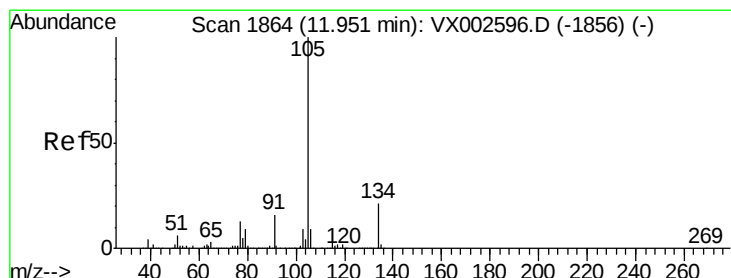
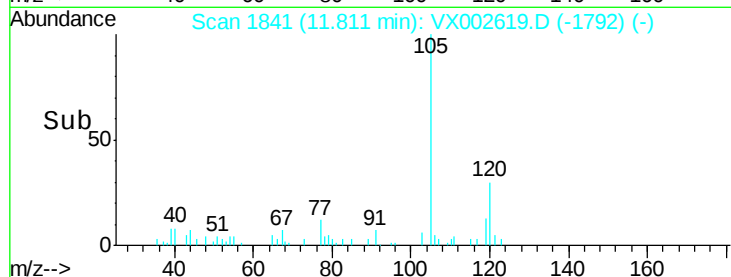
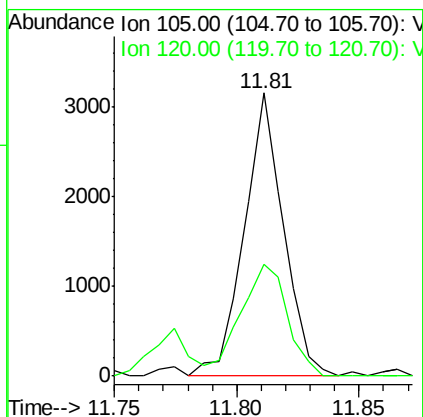
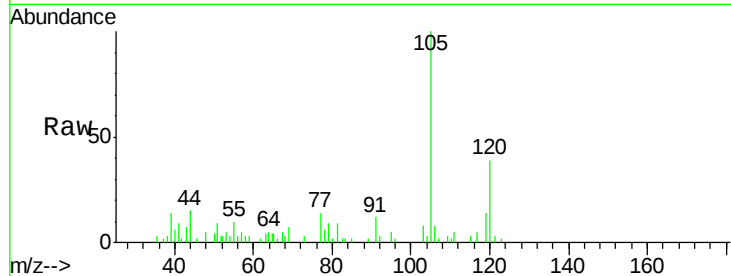




#84
 1,2,4-Trimethylbenzene
 Concen: 0.39 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

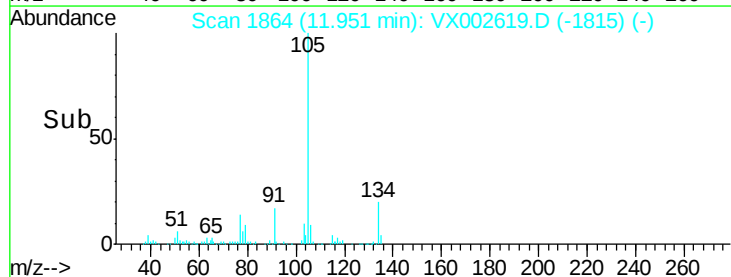
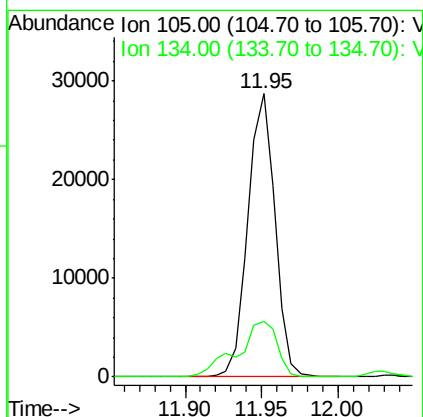
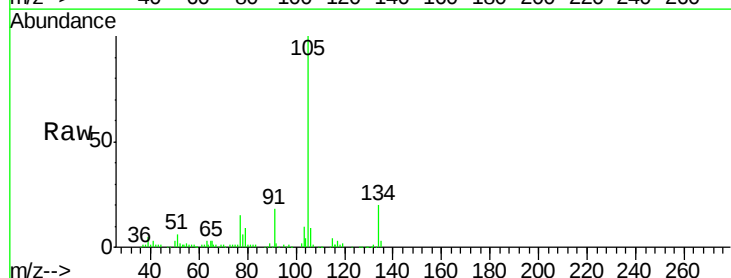
Instrument :
 MSVOA_X
 ClientSampleId :

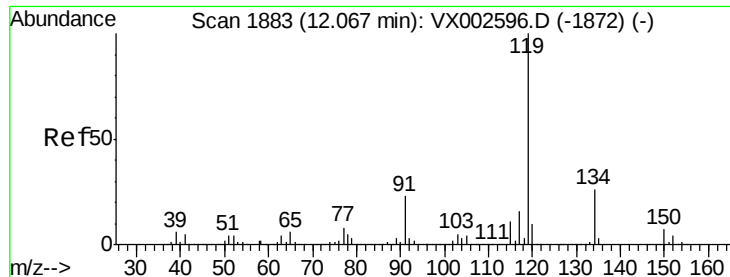
Tot Ion:105 Resp: 3499
 Ion Ratio Lower Upper
 105 100
 120 47.4 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 3.37 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Tgt Ion:105 Resp: 35406
 Ion Ratio Lower Upper
 105 100
 134 28.9 10.4 31.1

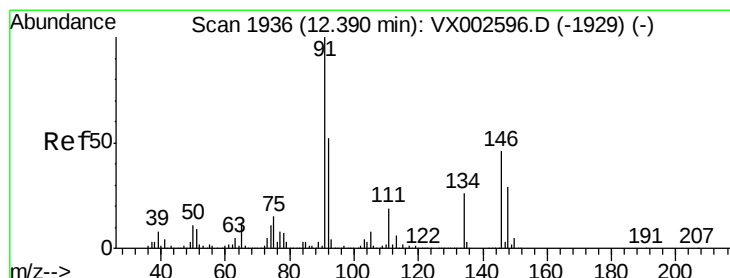
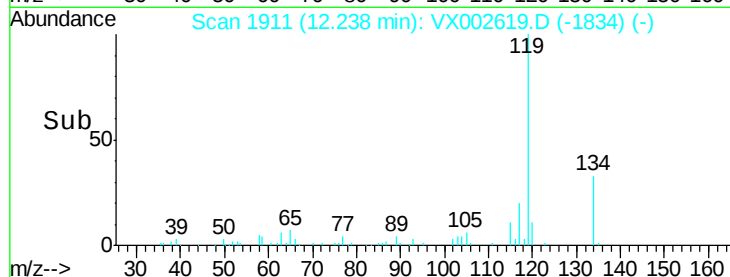
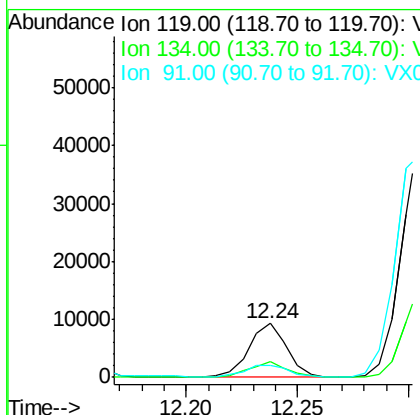
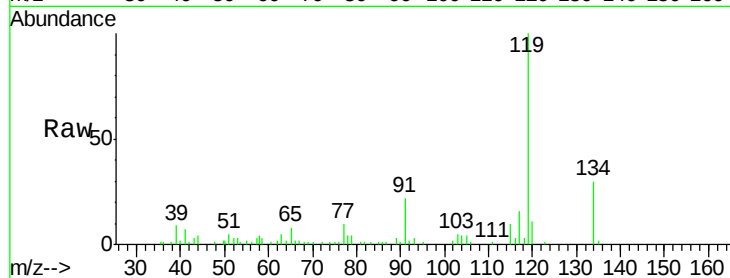




#86
 p-Isopropyltoluene
 Concen: 1.16 ug/l
 RT: 12.24 min Scan# 1911
 Delta R.T. 0.17 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

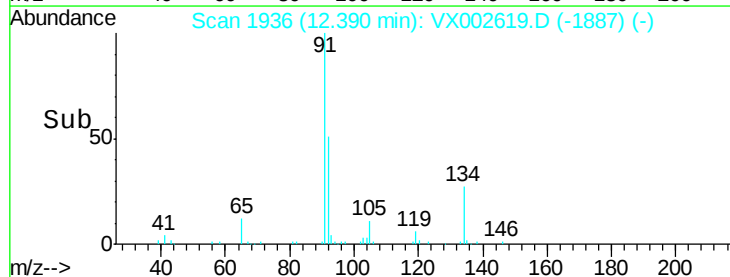
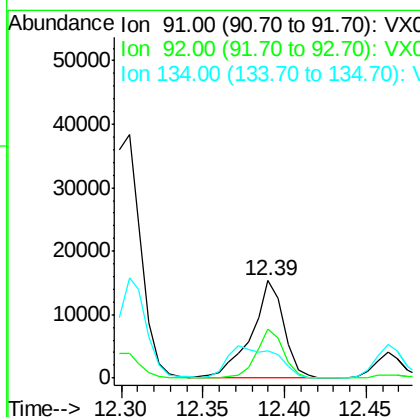
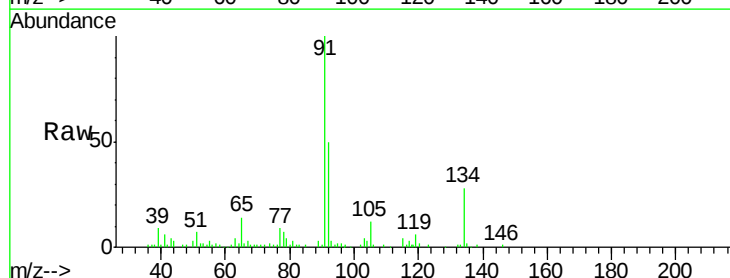
Instrument :
 MSVOA_X
 ClientSampled :

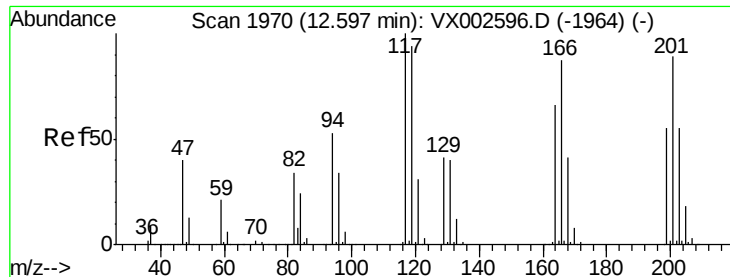
Tot Ion: 119 Resp: 11043
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.4 40.1
 91 26.6 11.9 35.7



#89
 n-Butylbenzene
 Concen: 2.55 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002619.D
 Acq: 16 Jun 2018 01:28

Tgt Ion: 91 Resp: 21354
 Ion Ratio Lower Upper
 91 100
 92 42.3 26.0 78.0
 134 49.7 13.5 40.5#





#90

Hexachloroethane

Concen: 11.44 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

Instrument :

MSVOA_X

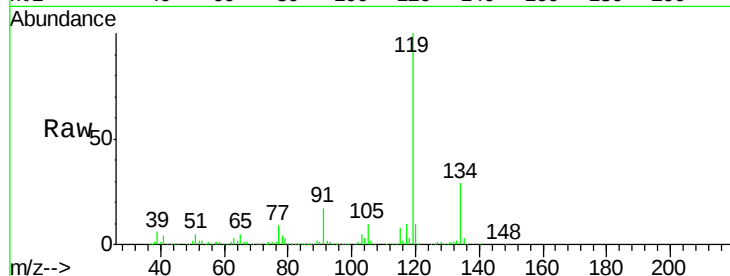
ClientSampleId :

Tot Ion:117 Resp: 13781

Ion Ratio Lower Upper

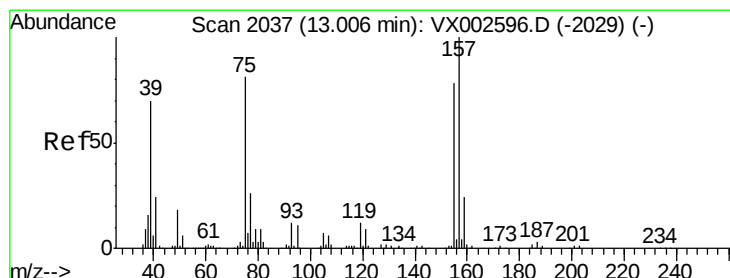
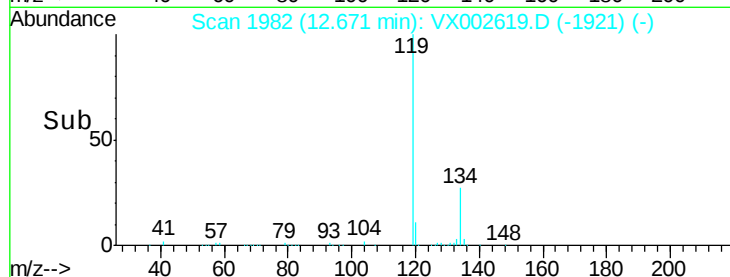
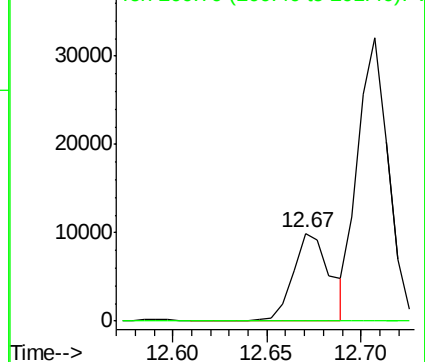
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.40 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX002619.D

Acq: 16 Jun 2018 01:28

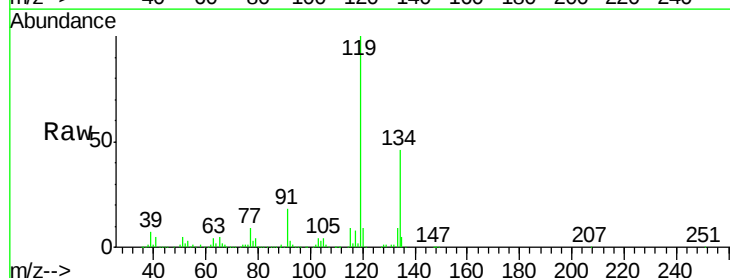
Tgt Ion: 75 Resp: 900

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

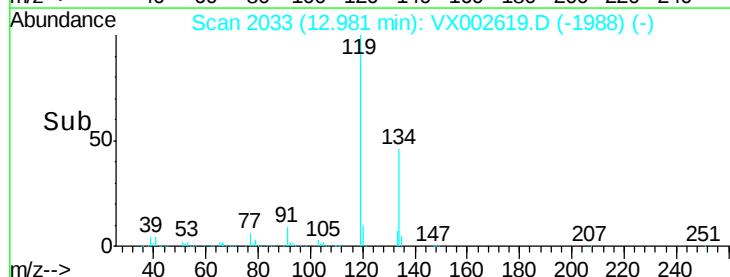
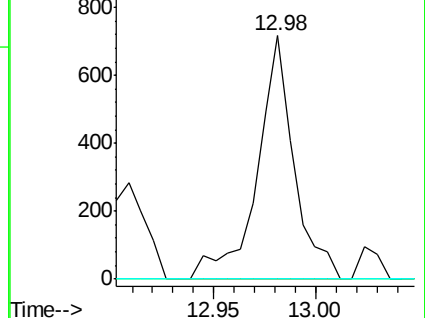
157 0.0 60.1 180.3#

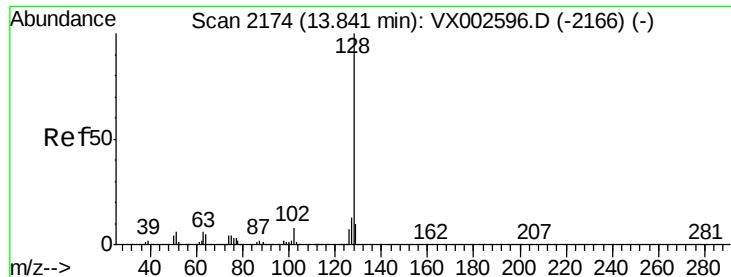


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

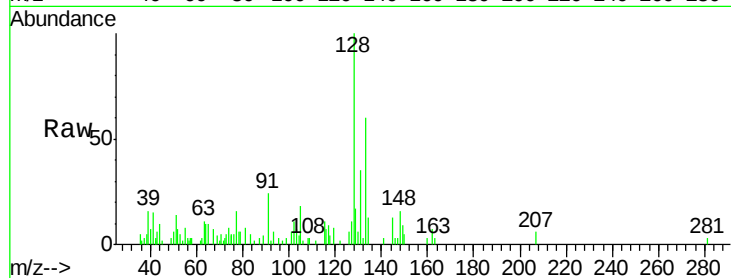




#95
Naphthalene
Concen: 0.51 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002619.D
Acq: 16 Jun 2018 01:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	4.1	10.4	15.6#
129	0.0	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

