

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005516.D
 Acq On : 23 Oct 2018 12:58
 Operator : JC/MD
 Sample : VX1023WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 01:11:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	195898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	282959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	243189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115172	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	124689	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	
35) Dibromofluoromethane	5.50	113	95795	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	8.71	98	325411	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.14	95	105297	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

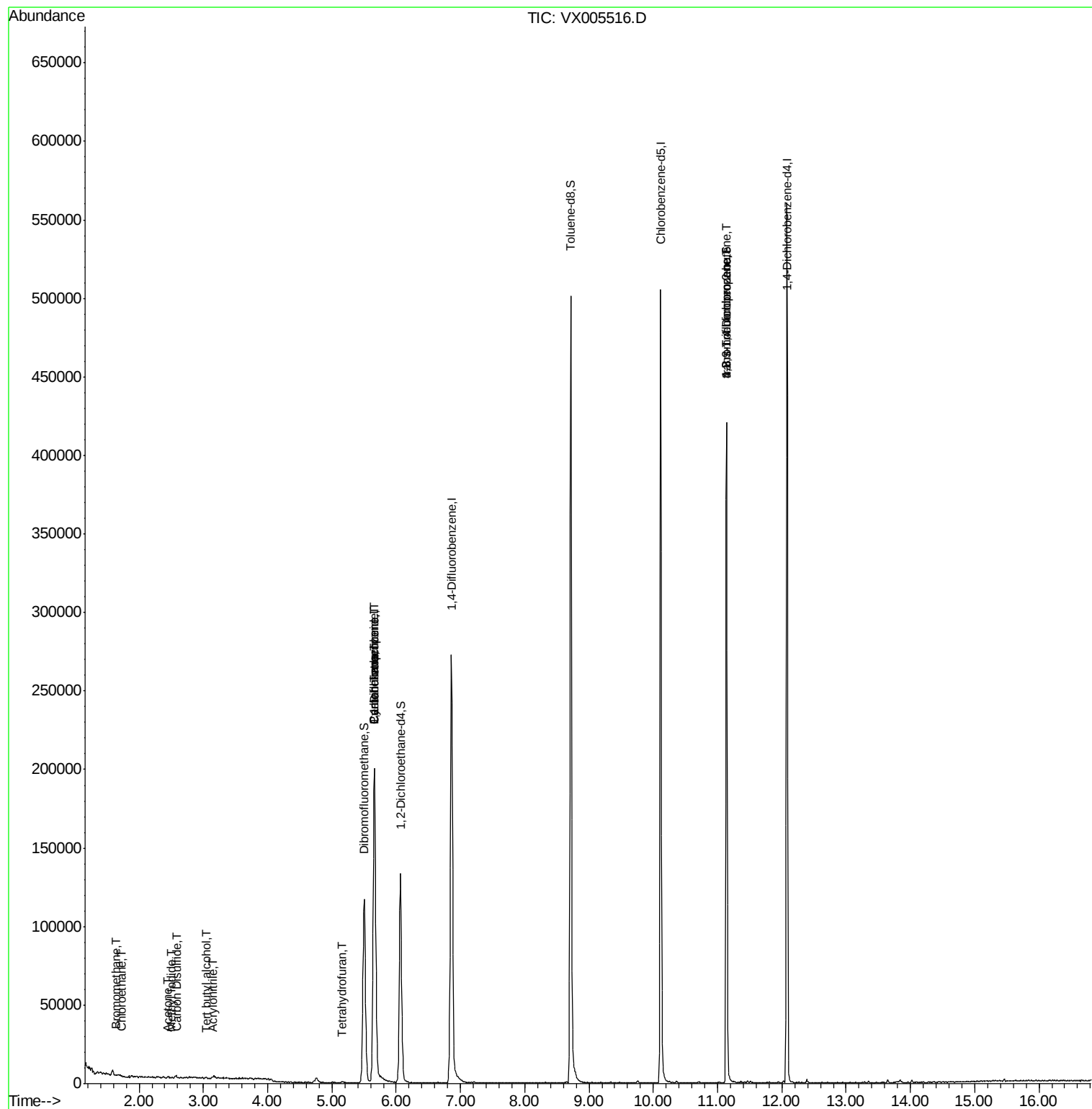
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	484	0.961	ug/l #	69
6) Chloroethane	1.73	64	97	0.401	ug/l #	38
10) Methyl Iodide	2.51	142	222	2.600	ug/l #	73
11) Tert butyl alcohol	3.05	59	209	0.341	ug/l #	1
13) Acrolein	2.29	56	287	Below Cal	#	73
15) Acrylonitrile	3.15	53	805	0.579	ug/l #	88
16) Acetone	2.45	43	575	0.457	ug/l #	82
17) Carbon Disulfide	2.57	76	1615	0.311	ug/l #	82
20) Methylene Chloride	2.86	84	272	Below Cal	#	60
29) Tetrahydrofuran	5.16	42	635	0.541	ug/l #	73
31) Cyclohexane	5.66	56	4102	1.373	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13989	5.105	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18038	6.551	ug/l #	17
44) Trichloroethene	7.21	130	98	Below Cal		59
76) 1,2,3-Trichloropropane	11.14	75	52574	23.533	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	52574	71.506	ug/l #	10

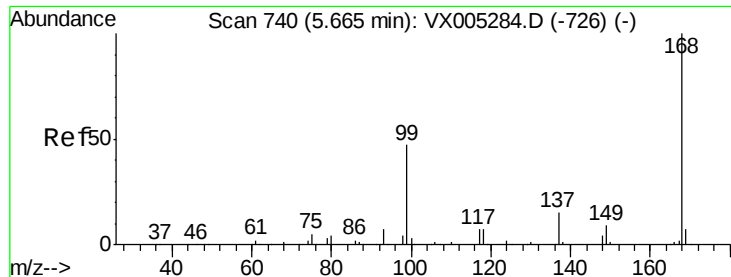
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

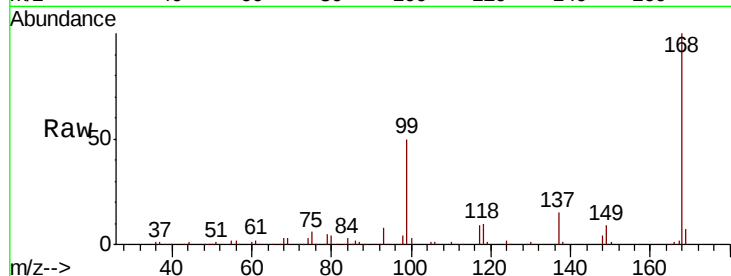
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 195898

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

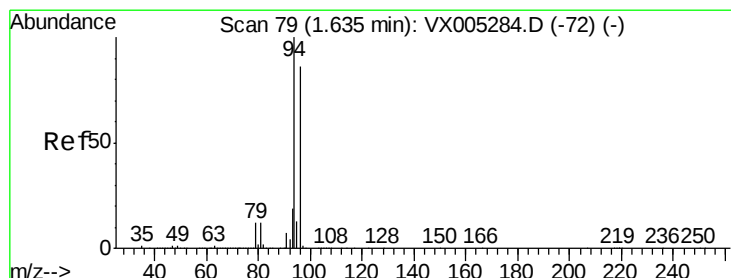
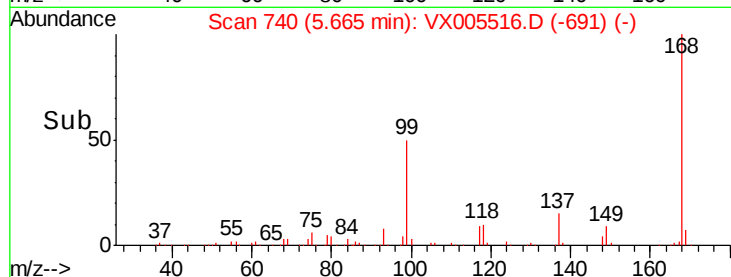
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.961 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005516.D

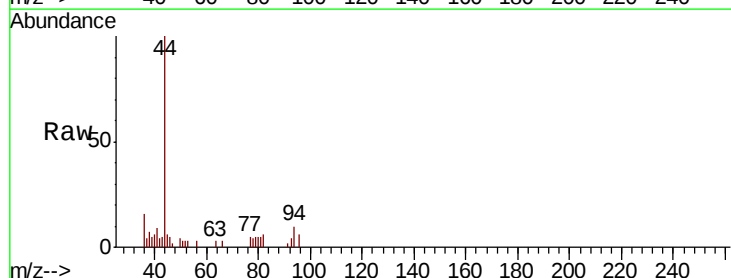
Acq: 23 Oct 2018 12:58

Tgt Ion: 94 Resp: 484

Ion Ratio Lower Upper

94 100

96 63.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

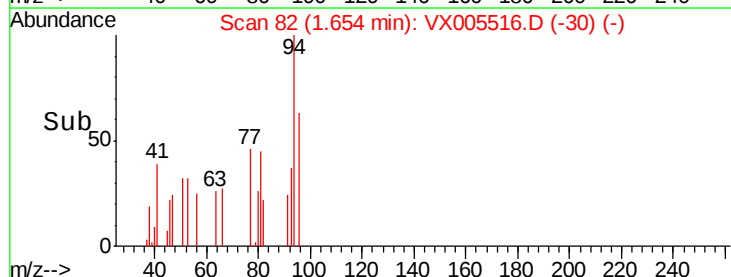
150

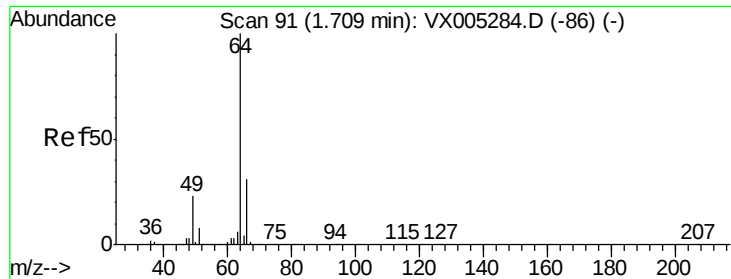
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.401 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

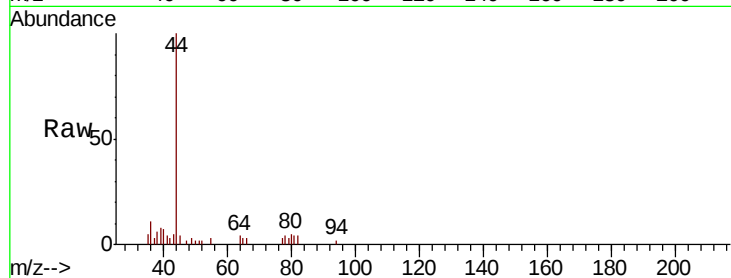
ClientSampleId :

Tot Ion: 64 Resp: 97

Ion Ratio Lower Upper

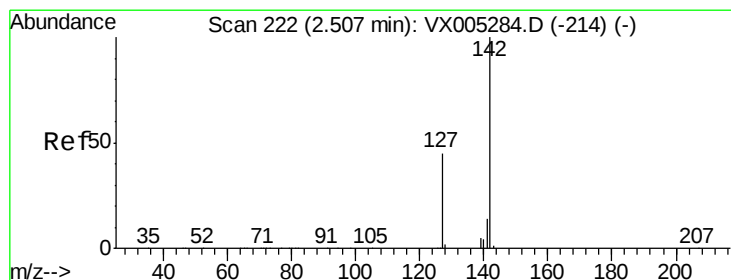
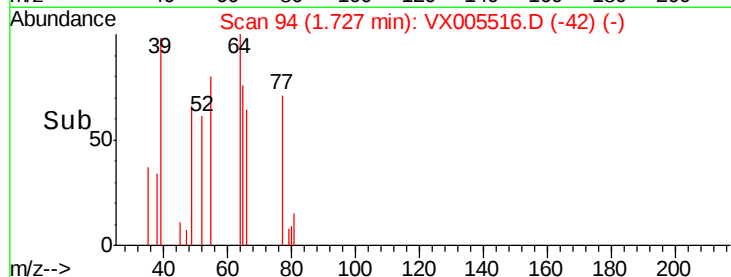
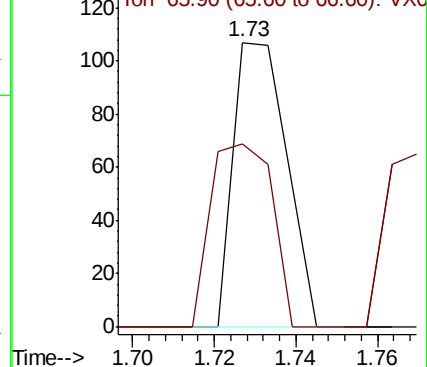
64 100

66 64.5 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.600 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

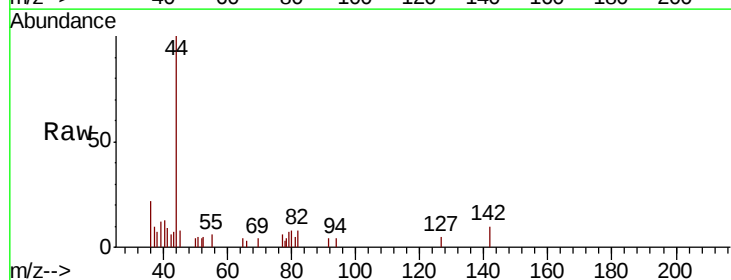
Tgt Ion: 142 Resp: 222

Ion Ratio Lower Upper

142 100

127 62.6 33.8 50.6#

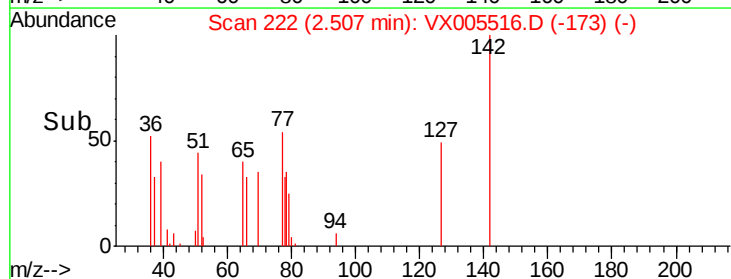
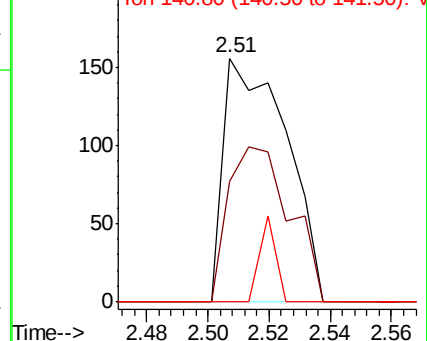
141 9.0 11.4 17.0#

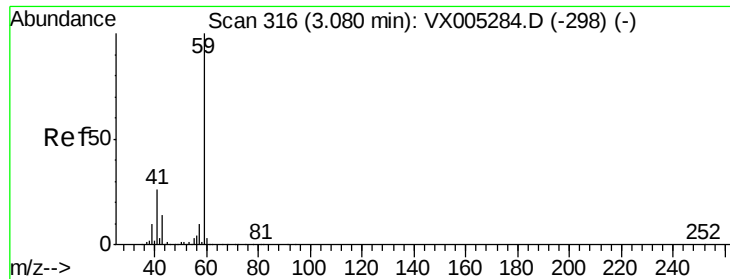


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



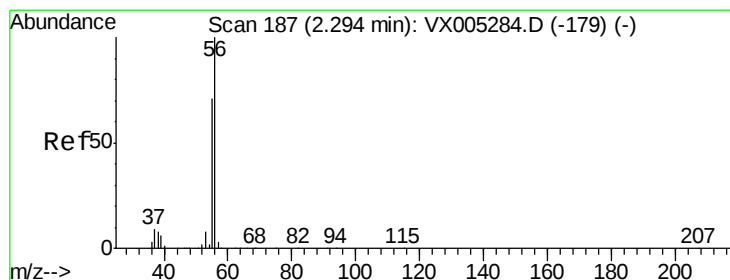
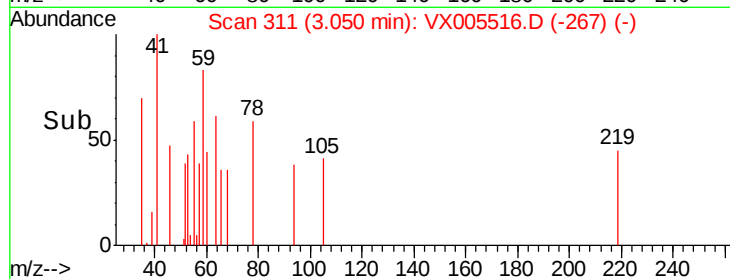
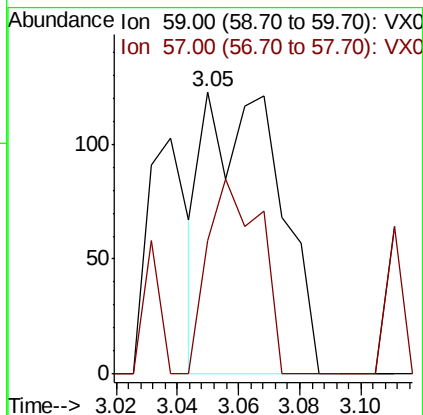
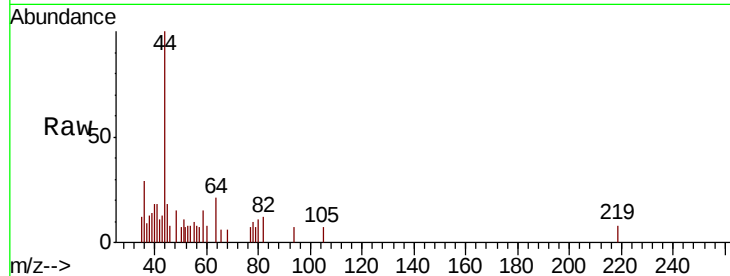


#11

Tert butyl alcohol
 Concen: 0.341 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_X
 ClientSampleId :

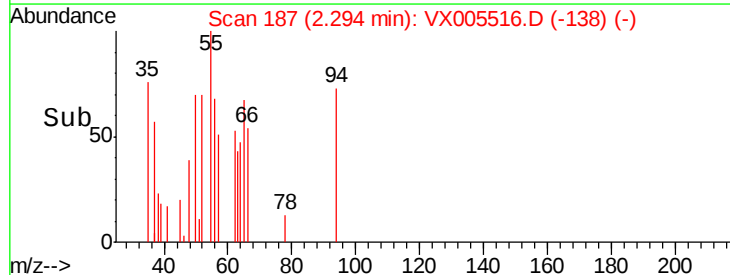
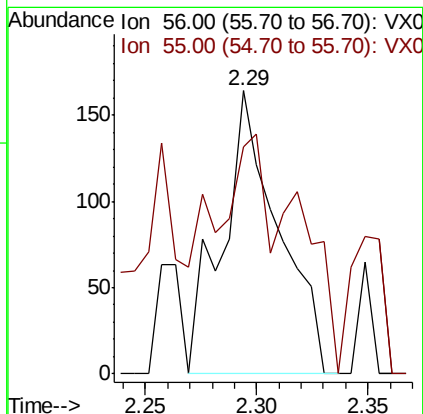
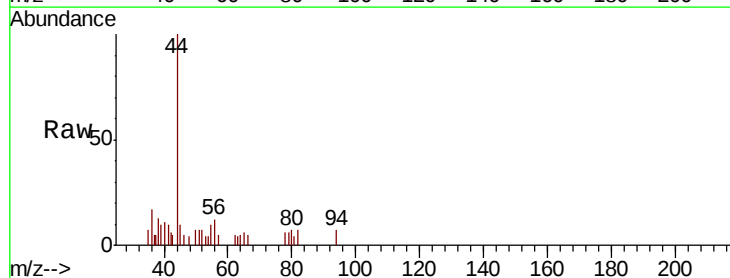
Tot Ion: 59 Resp: 209
 Ion Ratio Lower Upper
 59 100
 57 48.8 8.2 12.4#

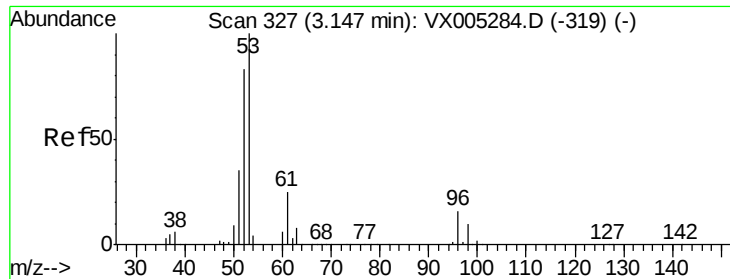


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 56 Resp: 287
 Ion Ratio Lower Upper
 56 100
 55 90.6 54.7 82.1#

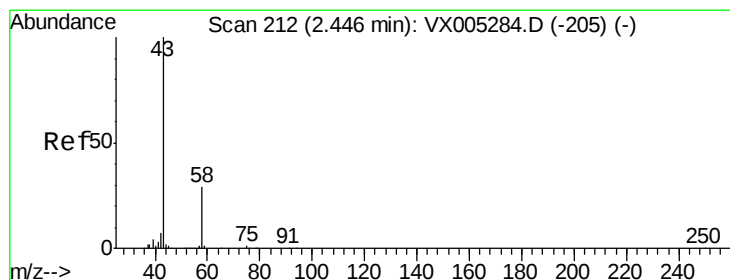
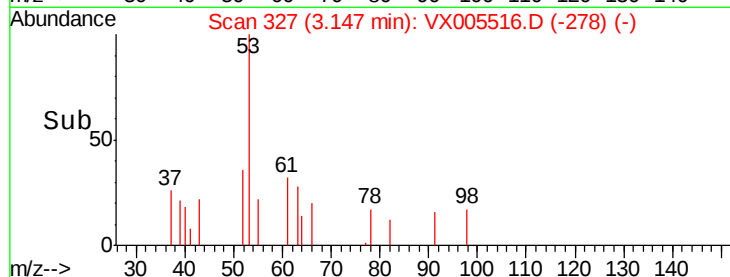
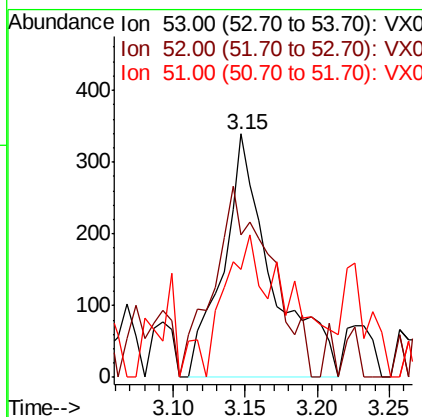
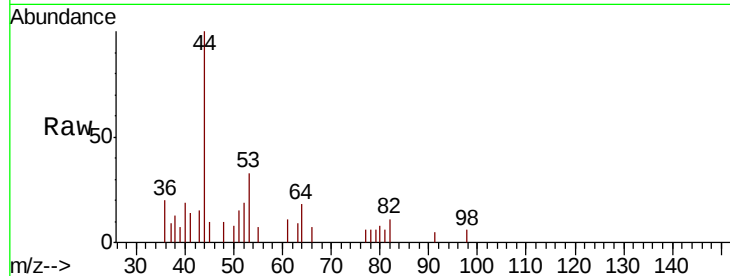




#15
 Acrylonitrile
 Concen: 0.579 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

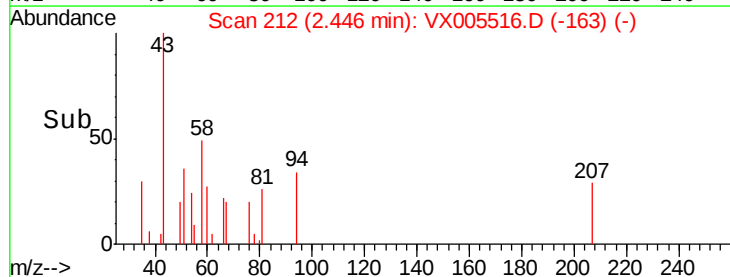
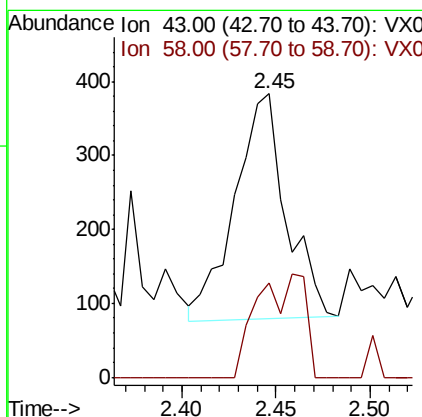
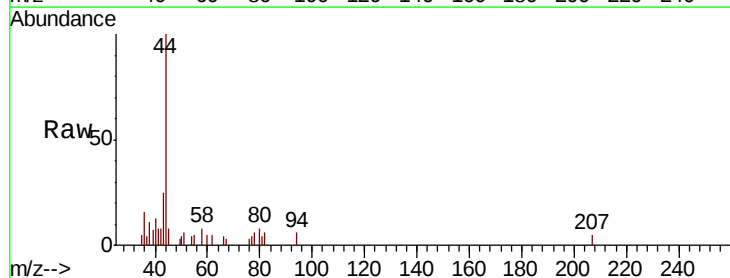
Instrument :
 MSVOA_X
 ClientSampled :

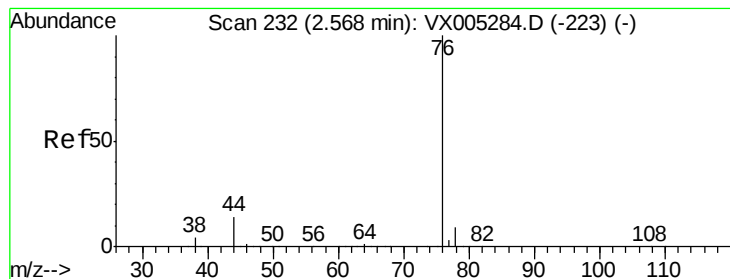
Tot Ion: 53 Resp: 805
 Ion Ratio Lower Upper
 53 100
 52 90.9 65.2 97.8
 51 26.0 28.2 42.2#



#16
 Acetone
 Concen: 0.457 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 43 Resp: 575
 Ion Ratio Lower Upper
 43 100
 58 42.7 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.311 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

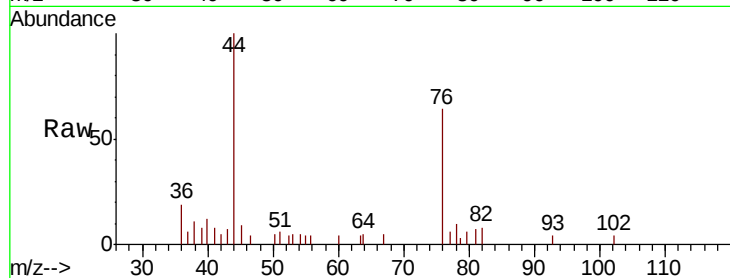
ClientSampled :

Tot Ion: 76 Resp: 1615

Ion Ratio Lower Upper

76 100

78 15.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1000

800

600

400

200

0

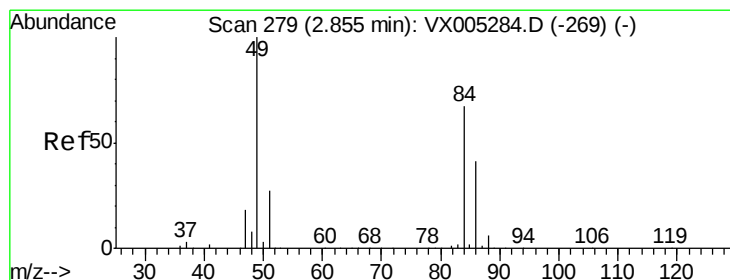
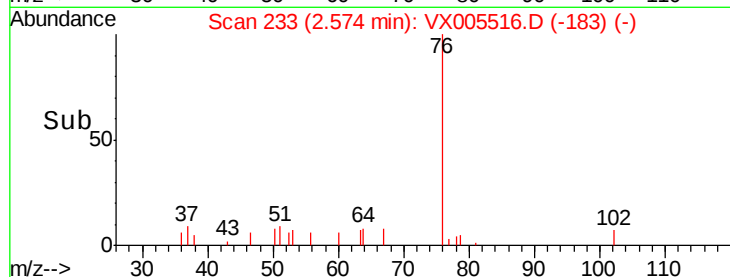
Time-->

2.50

2.55

2.60

2.65



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Tgt Ion: 84 Resp: 272

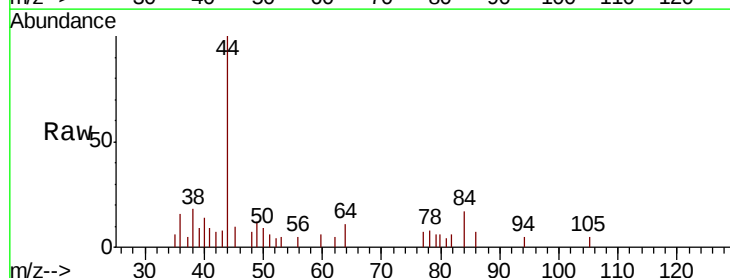
Ion Ratio Lower Upper

84 100

49 73.9 101.2 151.8#

51 11.1 29.5 44.3#

86 44.0 52.3 78.5#



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

300

250

200

150

100

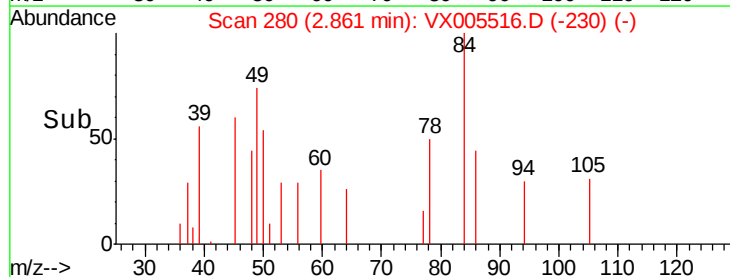
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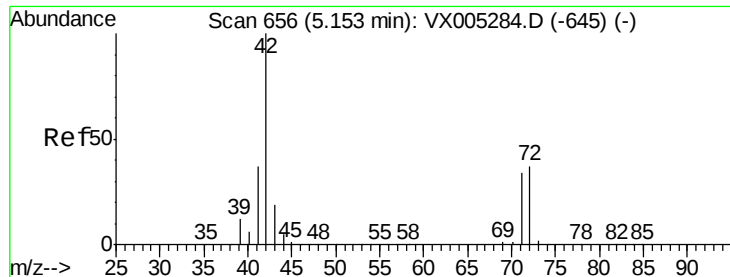
0

Time-->

2.85

2.90





#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

ClientSampleId :

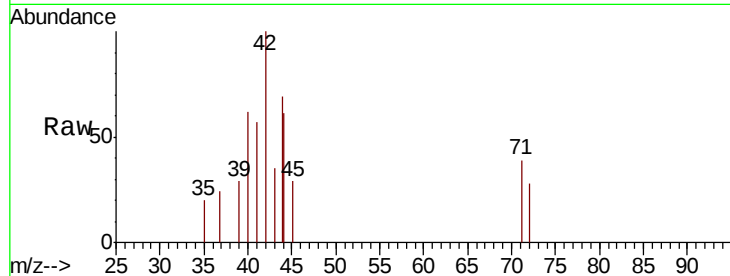
Tot Ion: 42 Resp: 635

Ion Ratio Lower Upper

42 100

72 30.7 37.4 56.0#

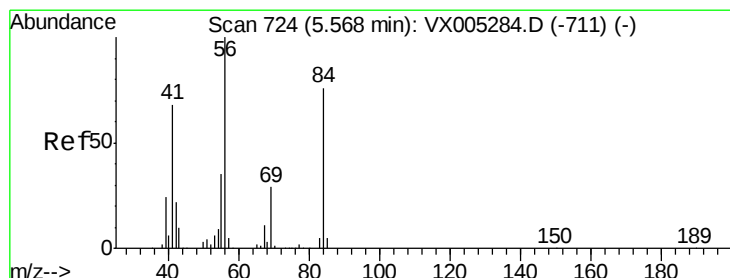
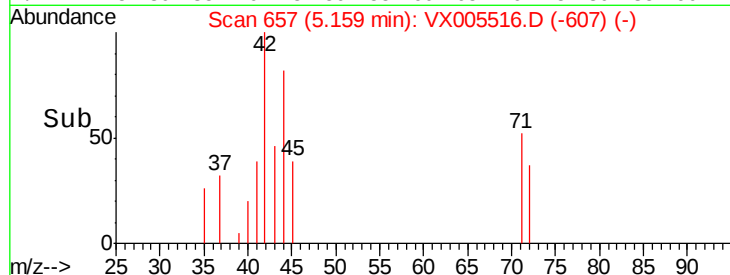
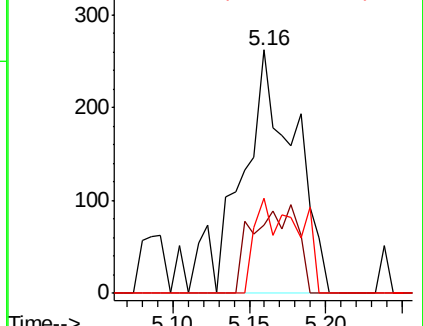
71 23.1 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.373 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

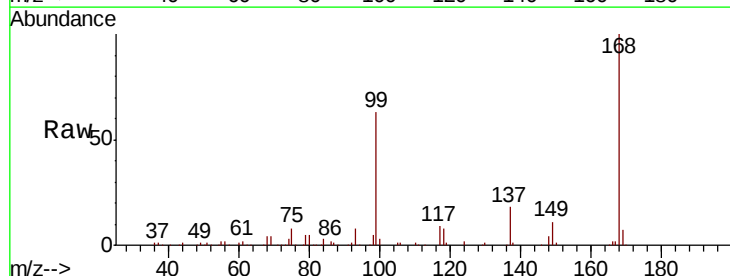
Tgt Ion: 56 Resp: 4102

Ion Ratio Lower Upper

56 100

69 158.9 25.4 38.2#

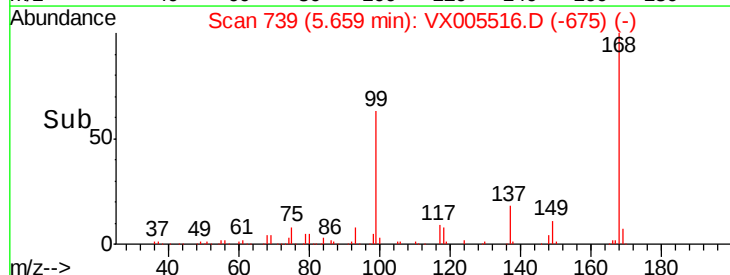
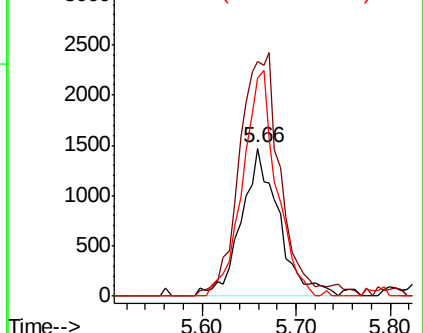
84 146.9 71.4 107.2#

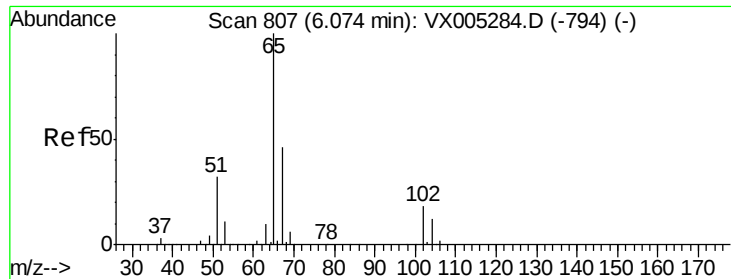


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

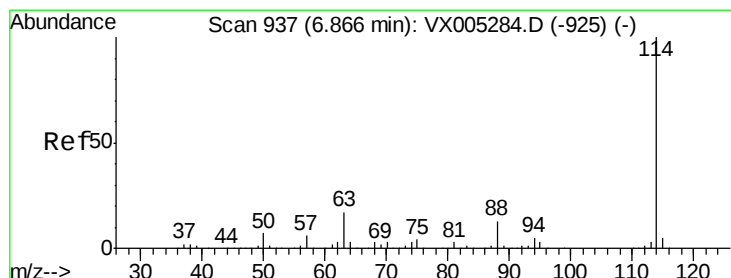
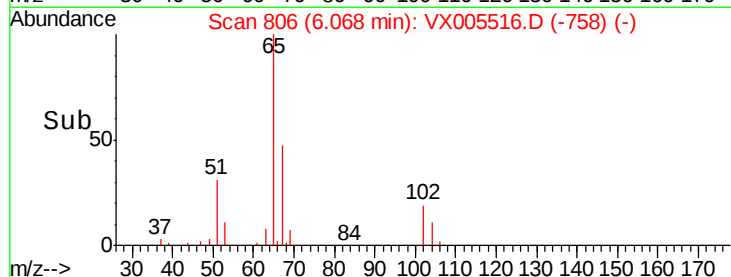
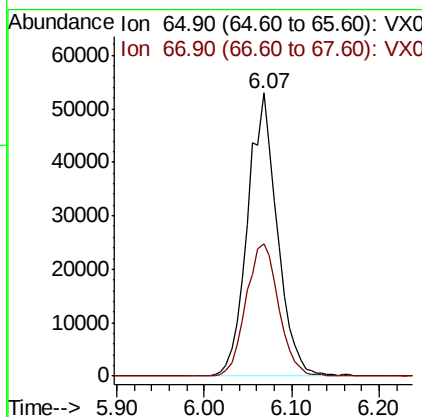
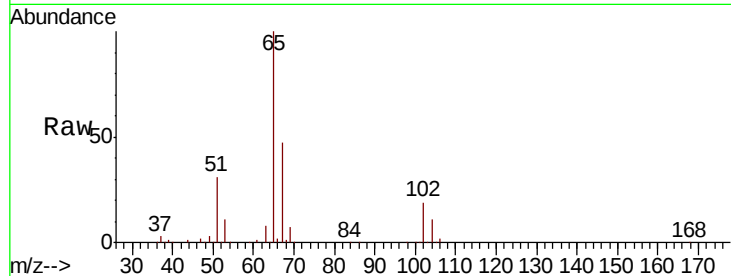




#33
 1,2-Dichloroethane-d4
 Concen: 57.350 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

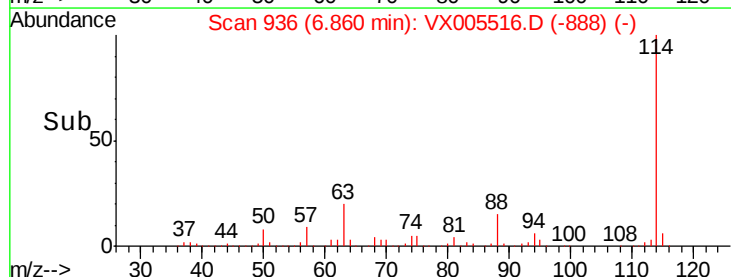
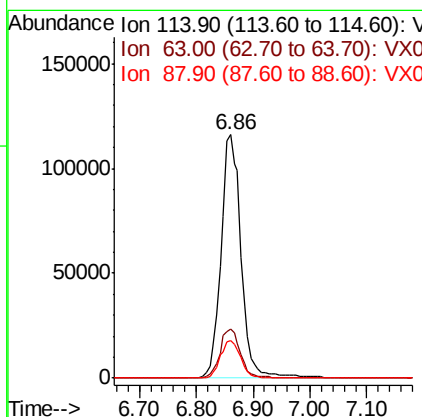
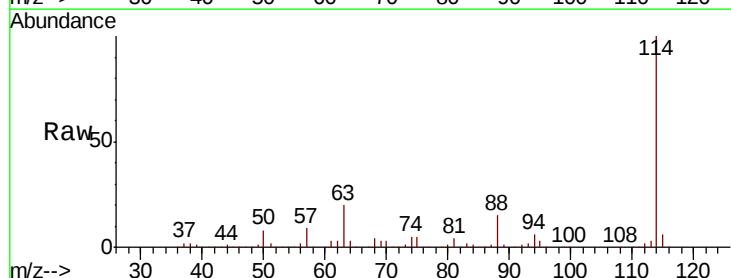
Instrument :
 MSVOA_X
 ClientSampleId :

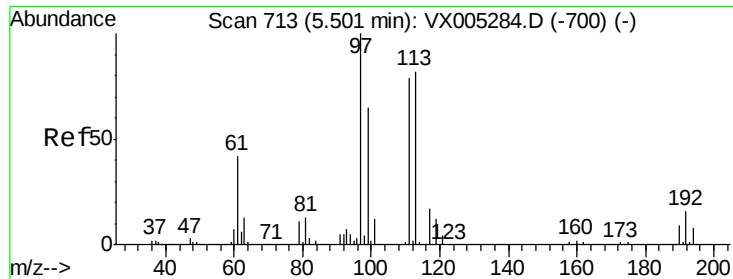
Tot Ion: 65 Resp: 124689
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005516.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 114 Resp: 282959
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.3 0.0 30.4

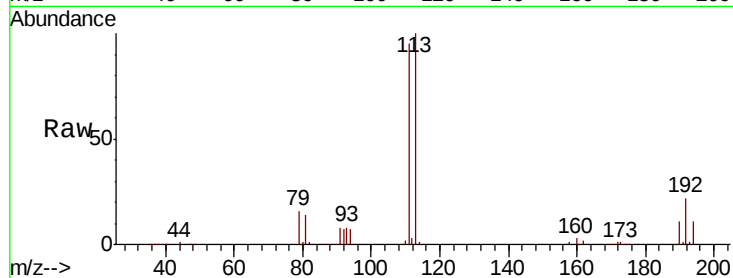




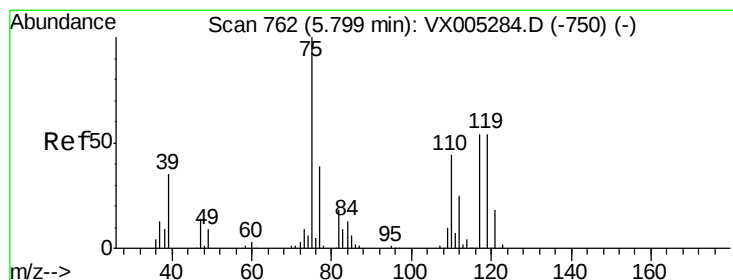
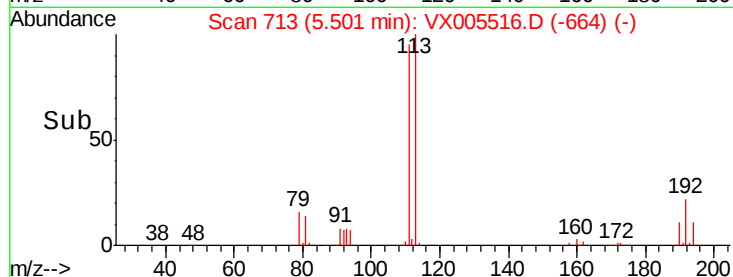
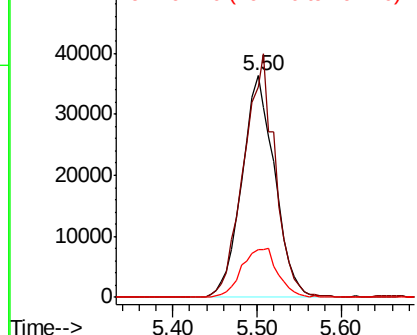
#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005516.D
Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113 Resp: 95795
Ion Ratio Lower Upper
113 100
111 104.7 82.4 123.6
192 24.1 19.4 29.2

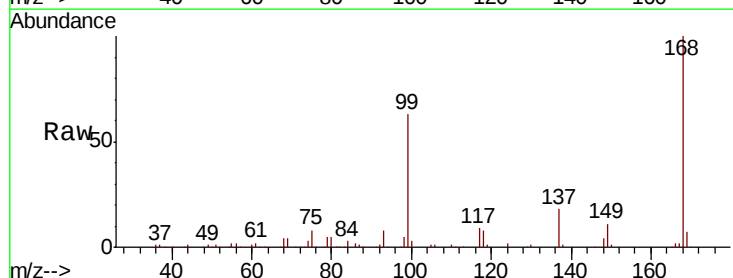


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

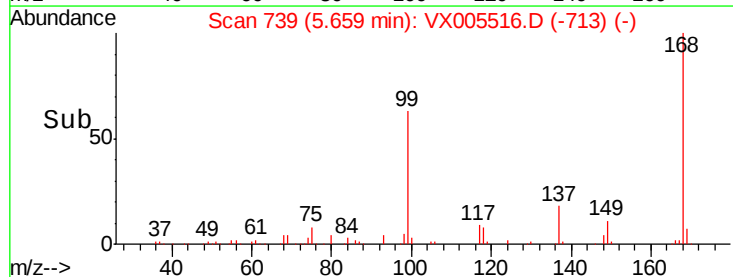
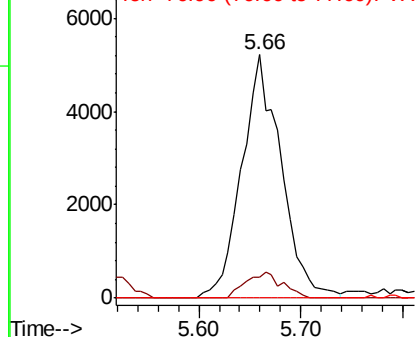


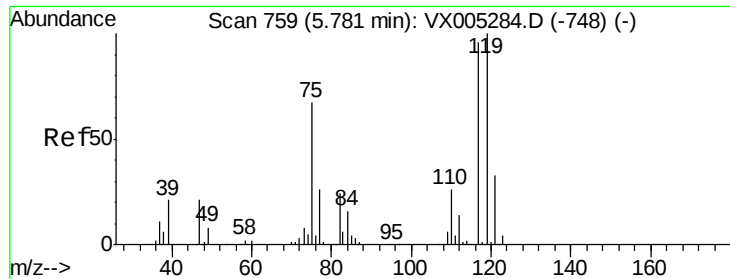
#36
1,1-Dichloropropene
Concen: 5.105 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005516.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 13989
Ion Ratio Lower Upper
75 100
110 9.8 18.0 54.0#
77 0.0 24.6 36.8#



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: 6.551 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

ClientSampled :

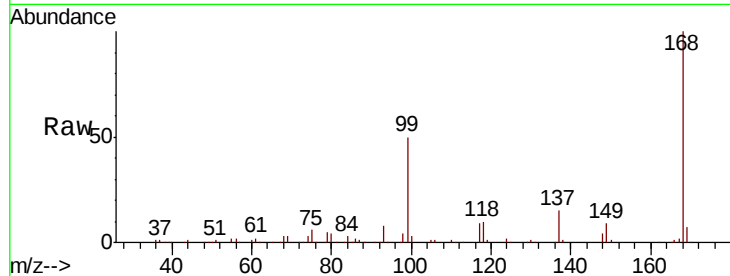
Tot Ion:117 Resp: 18038

Ion Ratio Lower Upper

117 100

119 7.6 78.8 118.2#

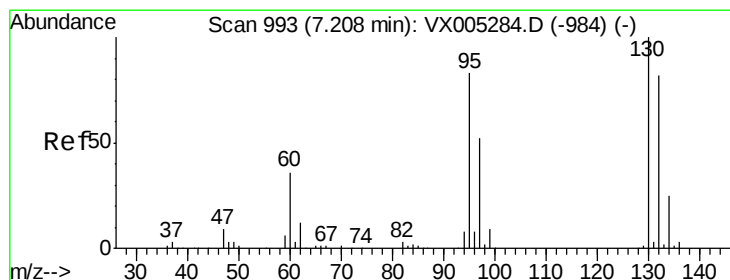
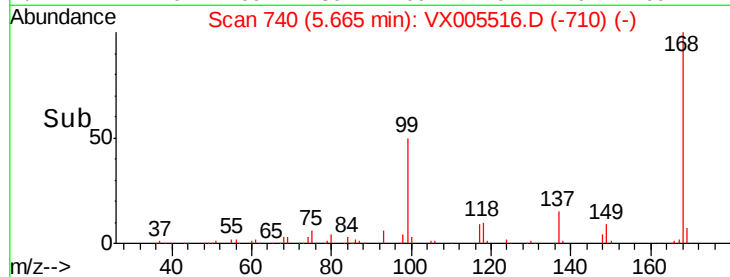
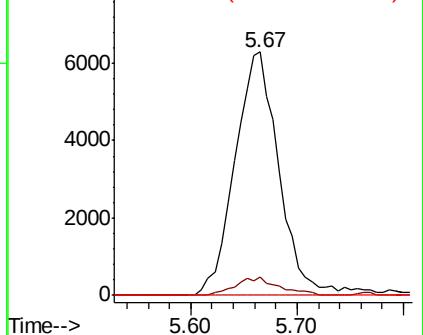
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005516.D

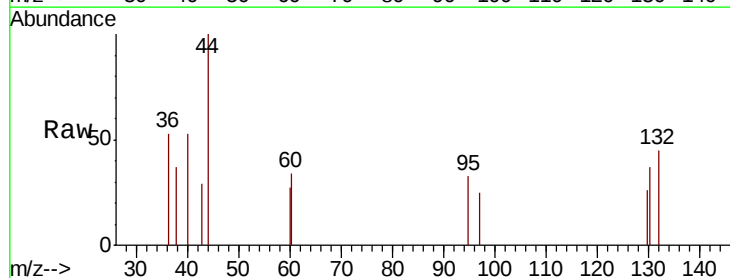
Acq: 23 Oct 2018 12:58

Tgt Ion:130 Resp: 98

Ion Ratio Lower Upper

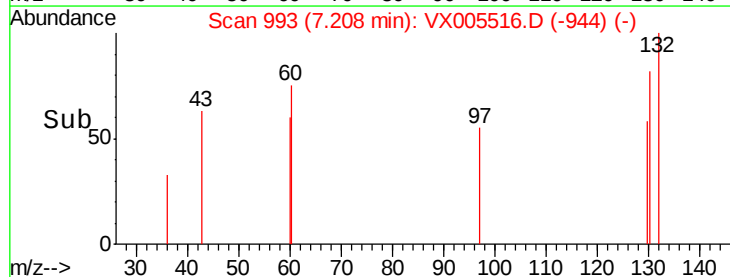
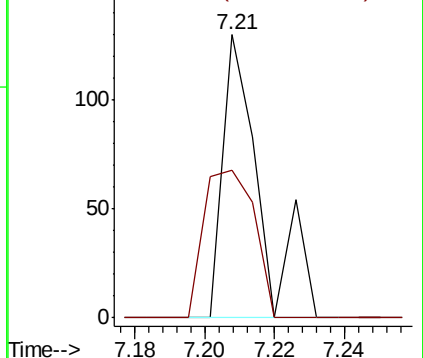
130 100

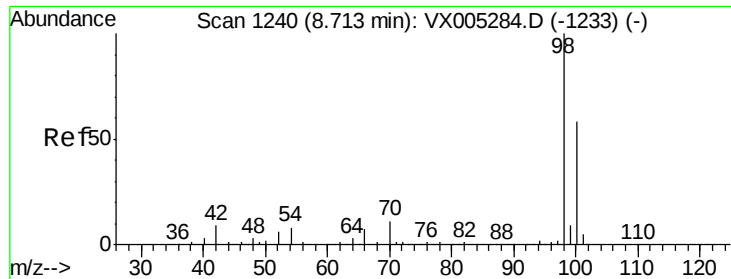
95 52.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.577 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

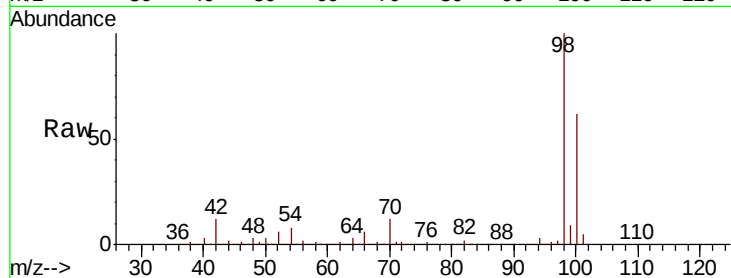
ClientSampled :

Tot Ion: 98 Resp: 325411

Ion Ratio Lower Upper

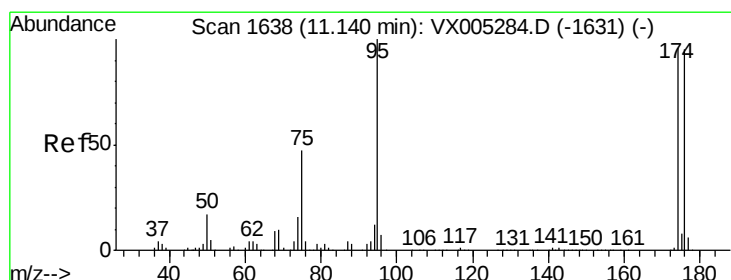
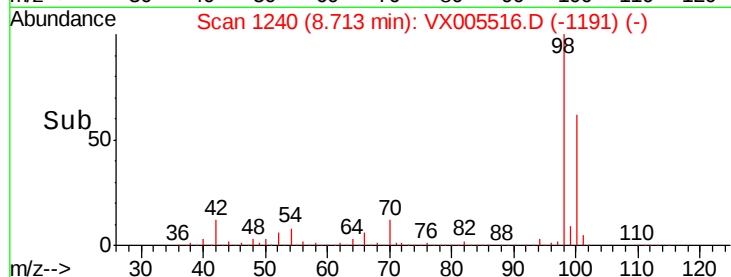
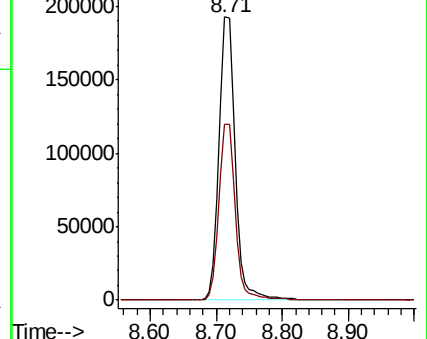
98 100

100 62.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.565 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

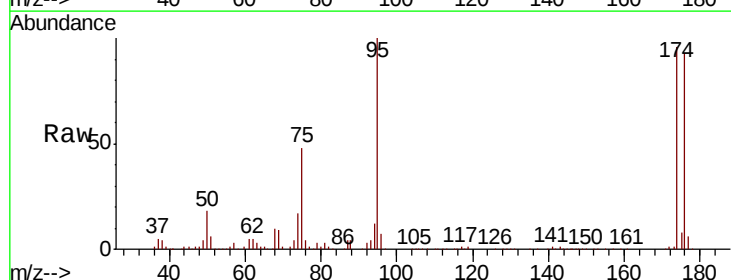
Tgt Ion: 95 Resp: 105297

Ion Ratio Lower Upper

95 100

174 92.8 0.0 185.2

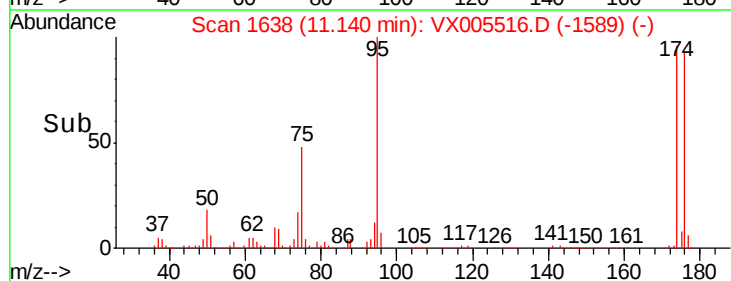
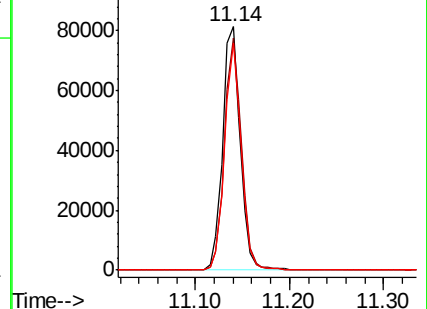
176 88.8 0.0 178.6

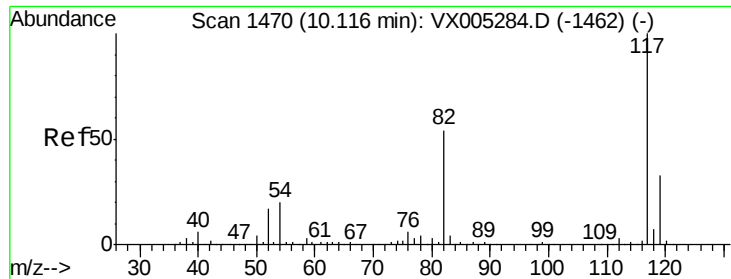


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

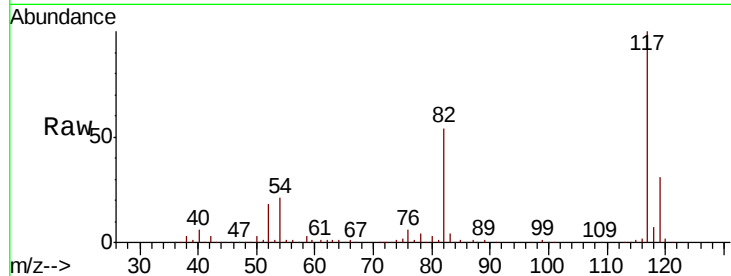




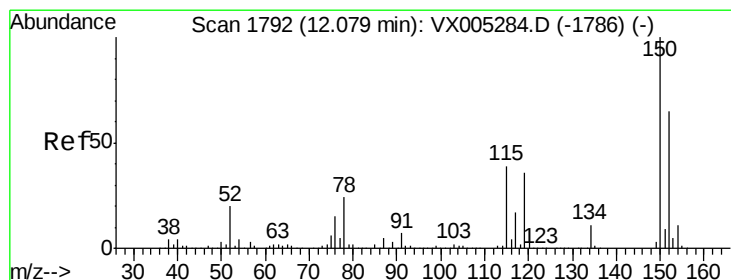
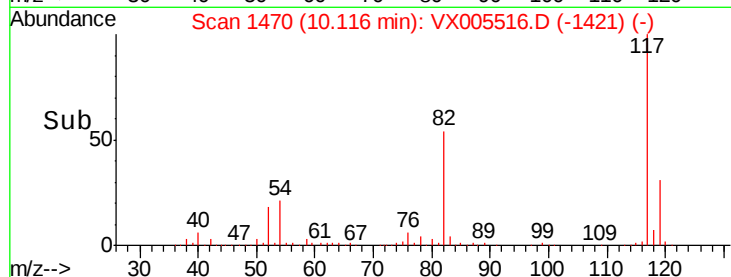
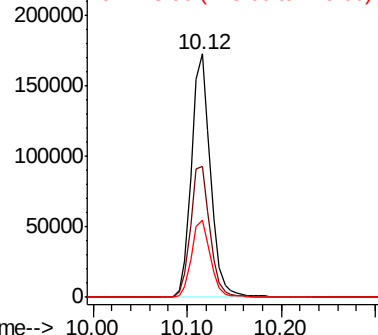
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005516.D
Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 243189
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 31.5 29.3 43.9

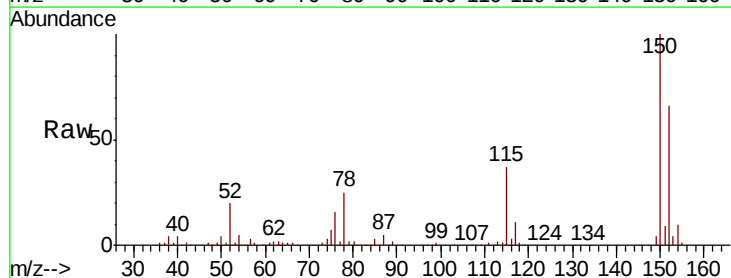


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

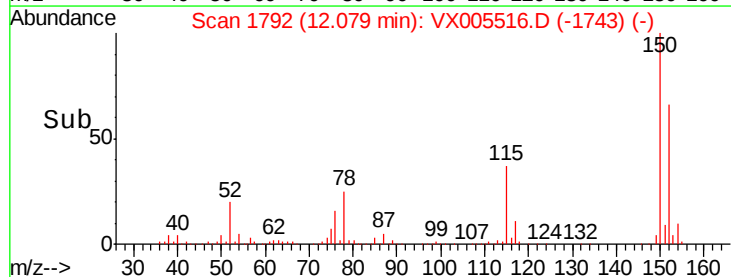
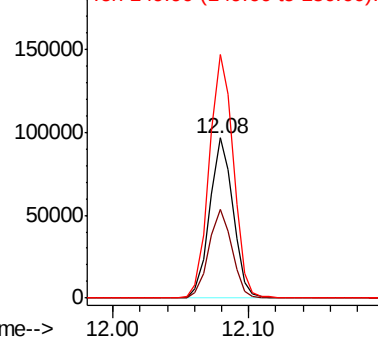


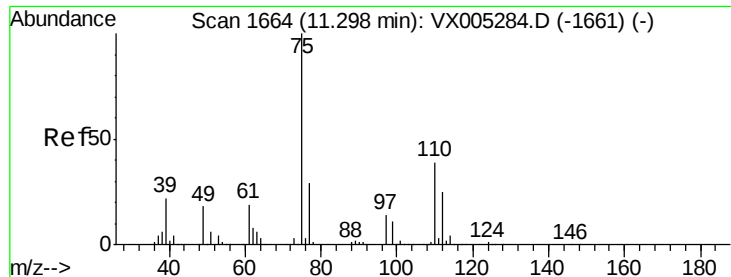
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005516.D
Acq: 23 Oct 2018 12:58

Tgt Ion:152 Resp: 115172
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 157.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.533 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_X

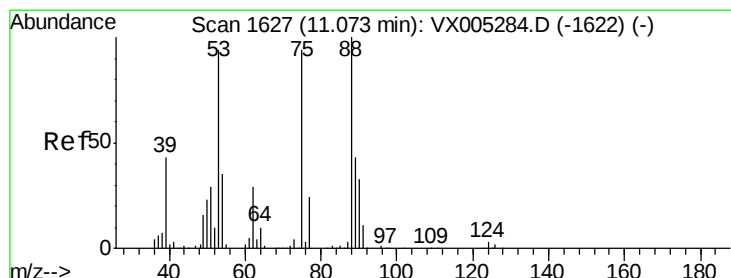
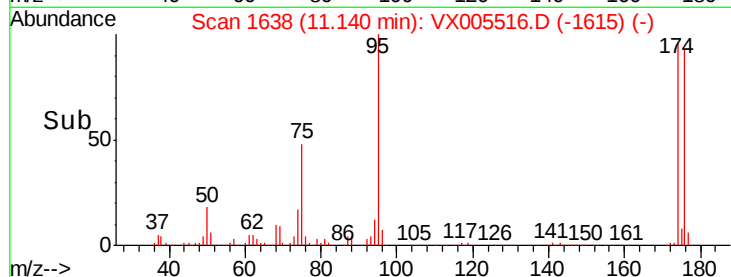
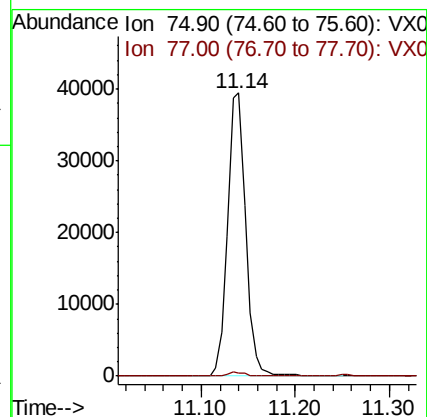
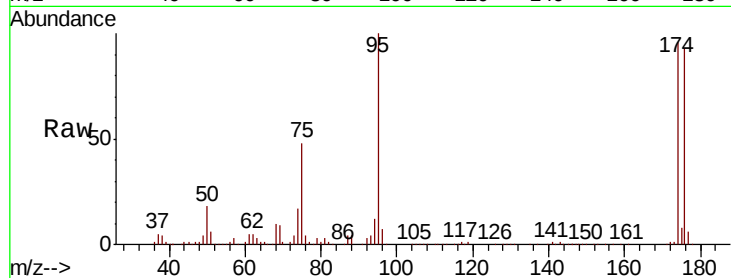
ClientSampleId :

Tot Ion: 75 Resp: 52574

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.506 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005516.D

Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 52574

Ion Ratio Lower Upper

75 100

53 0.5 80.1 120.1#

89 0.0 37.2 55.8#

