

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004167.D
 Acq On : 21 Aug 2018 11:13
 Operator : JC/MD
 Sample : VX0821WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL01

Quant Time: Aug 22 00:49:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	282357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	218292	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	
35) Dibromofluoromethane	5.50	113	186971	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
50) Toluene-d8	8.71	98	675114	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.14	95	225164	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

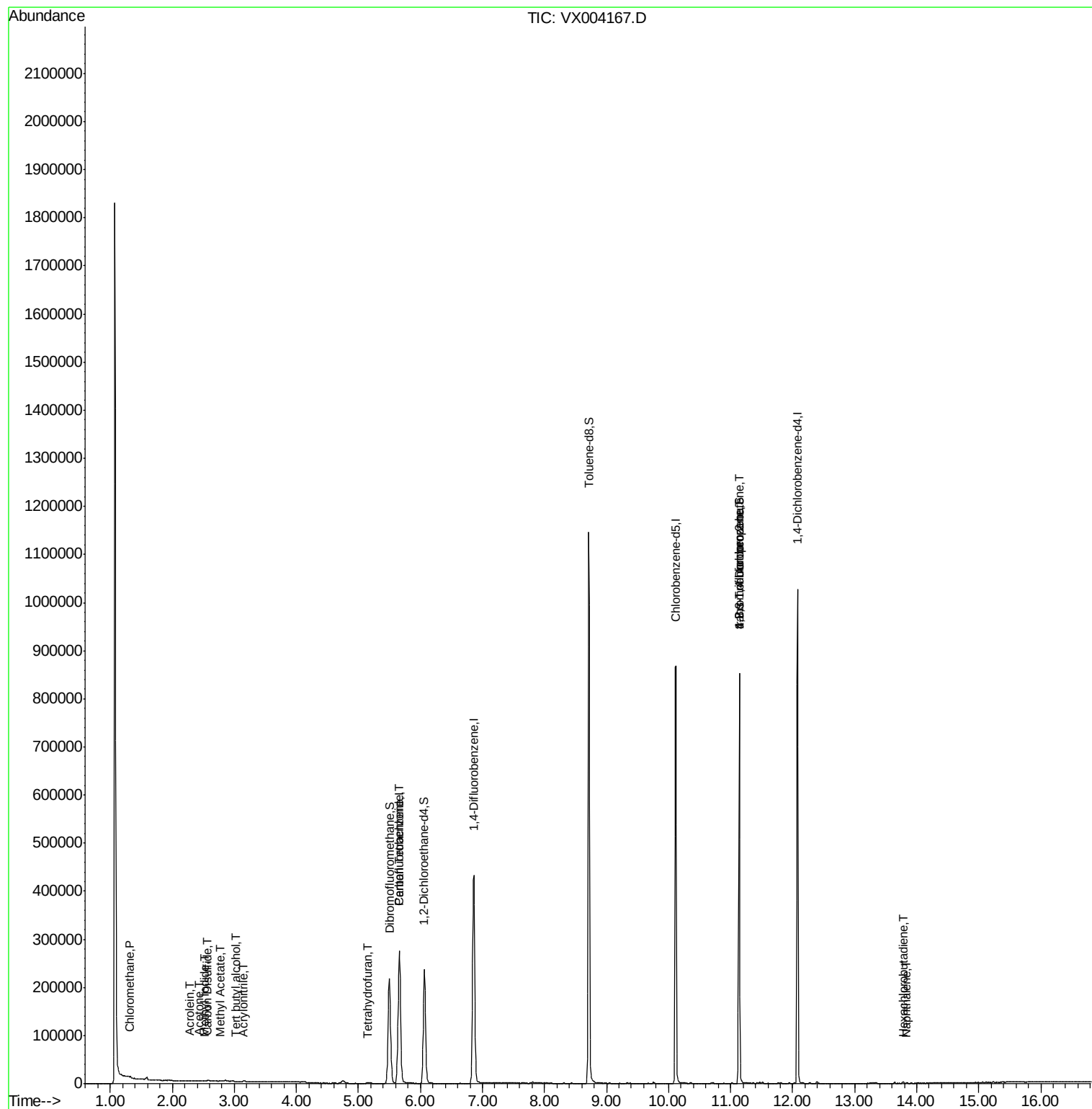
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1206	0.36	ug/l #	81
6) Chloroethane	1.71	64	165	Below Cal	#	42
10) Methyl Iodide	2.51	142	442	5.13	ug/l #	91
11) Tert butyl alcohol	3.03	59	240	0.30	ug/l #	73
13) Acrolein	2.29	56	378	11.61	ug/l #	9
15) Acrylonitrile	3.14	53	649	0.32	ug/l #	70
16) Acetone	2.44	43	949	0.46	ug/l #	80
17) Carbon Disulfide	2.57	76	2123	0.25	ug/l #	93
18) Methyl Acetate	2.77	43	1379	0.30	ug/l	100
20) Methylene Chloride	2.86	84	721	Below Cal	#	85
29) Tetrahydrofuran	5.15	42	999	0.58	ug/l #	71
38) Carbon Tetrachloride	5.65	117	24555	5.00	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	105144	24.39	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	105144	75.52	ug/l #	9
94) Hexachlorobutadiene	13.78	225	657	0.28	ug/l	98
95) Naphthalene	13.83	128	1276	1.23	ug/l #	94

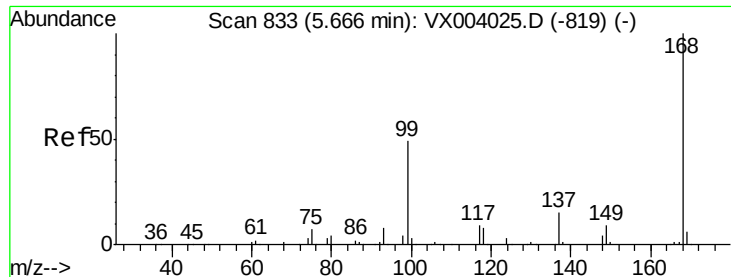
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 22 00:49:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

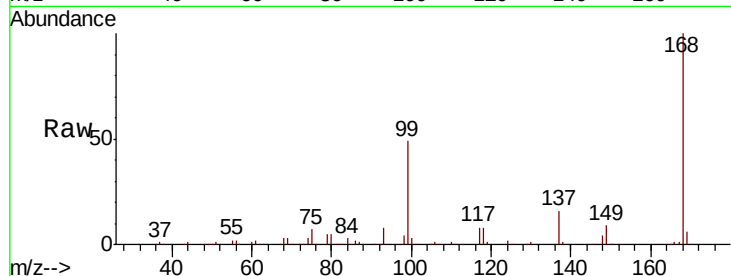
VX0821WBL01

Tot Ion:168 Resp: 282357

Ion Ratio Lower Upper

168 100

99 48.8 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

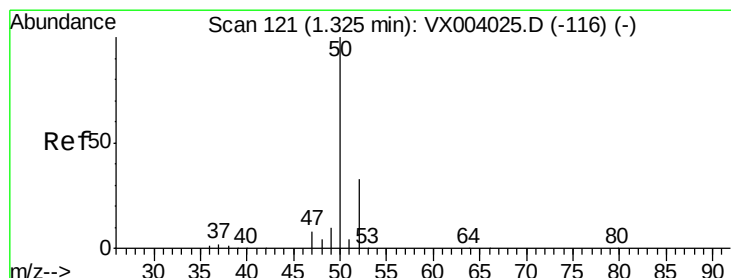
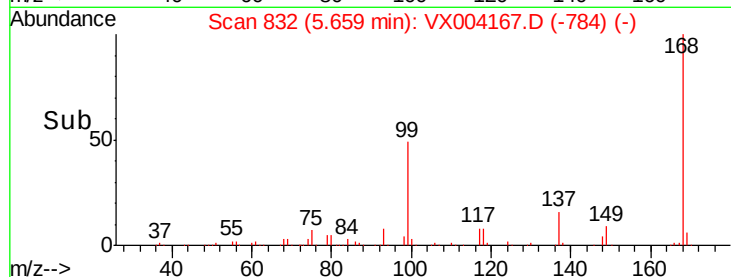
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.36 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004167.D

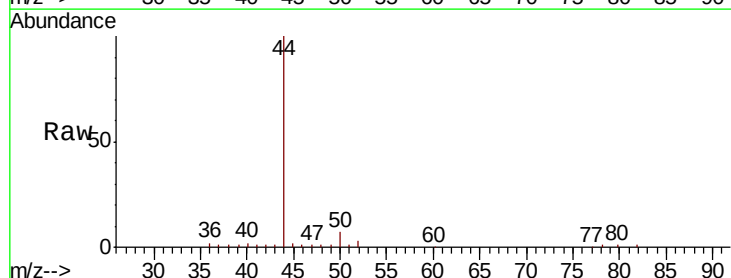
Acq: 21 Aug 2018 11:13

Tgt Ion: 50 Resp: 1206

Ion Ratio Lower Upper

50 100

52 43.7 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

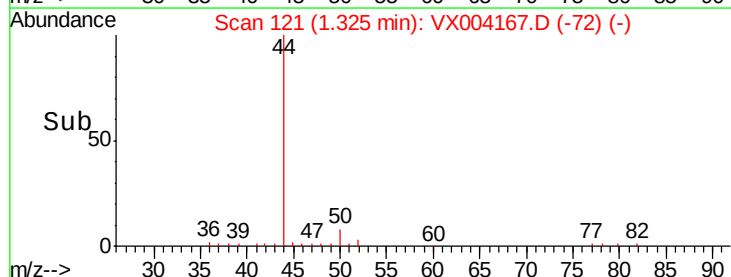
400

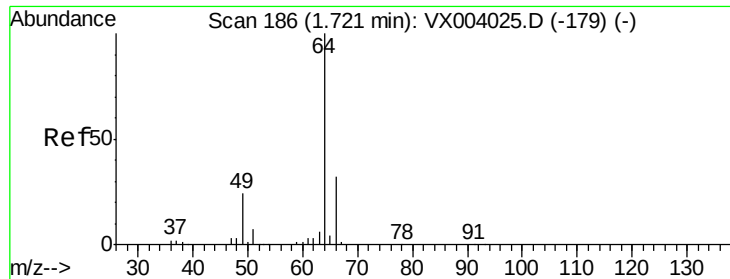
200

0

Time-->

1.30 1.35 1.40





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

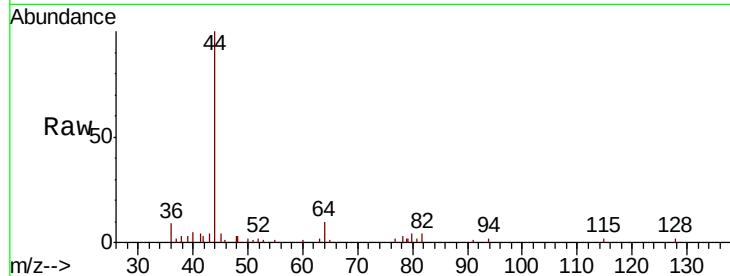
VX0821WBL01

Tot Ion: 64 Resp: 165

Ion Ratio Lower Upper

64 100

66 0.0 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

500

400

300

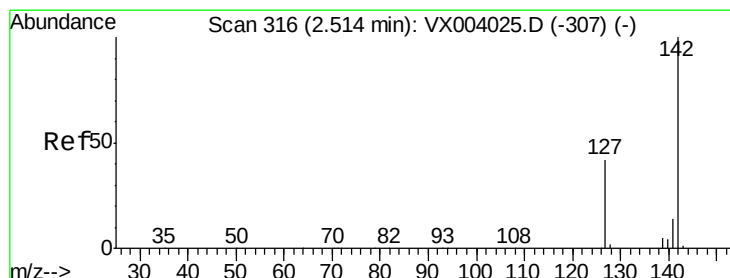
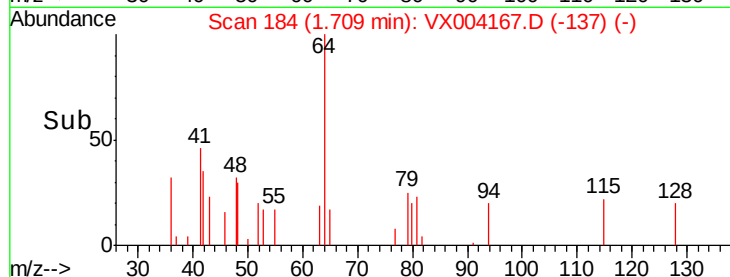
200

100

0

1.69 1.70 1.71 1.72

Time-->



#10

Methyl Iodide

Concen: 5.13 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

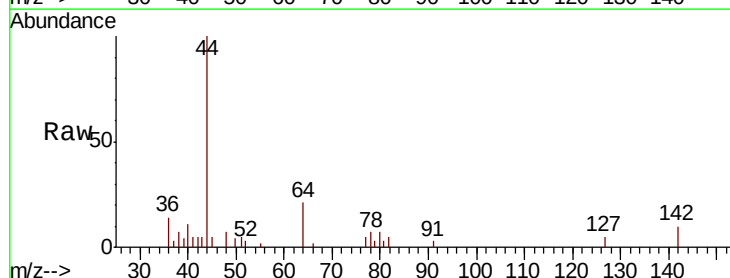
Tgt Ion: 142 Resp: 442

Ion Ratio Lower Upper

142 100

127 36.7 33.1 49.7

141 8.6 11.1 16.7#



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

300

250

200

150

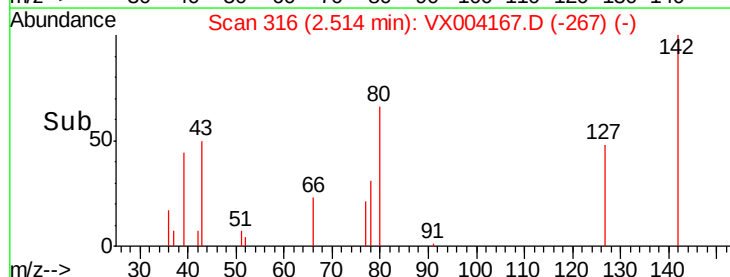
100

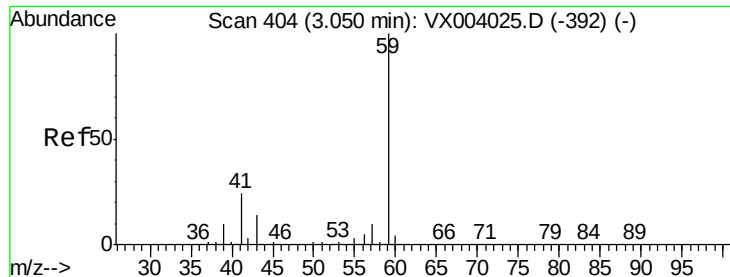
50

0

2.45 2.50 2.55

Time-->



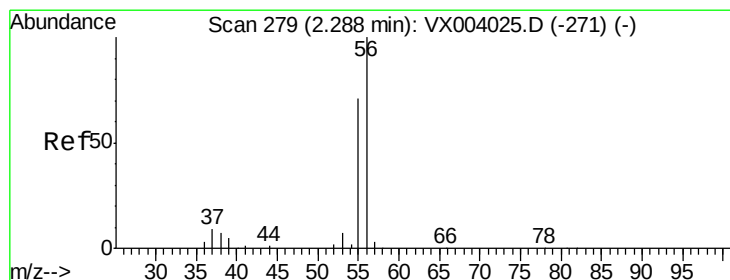
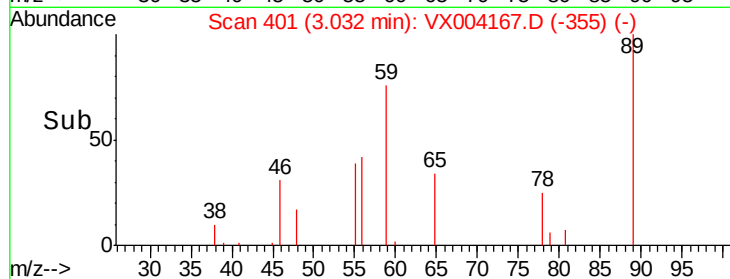
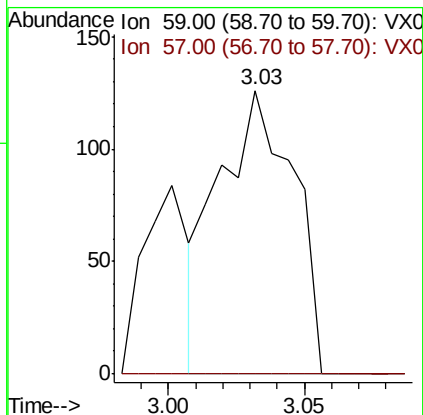
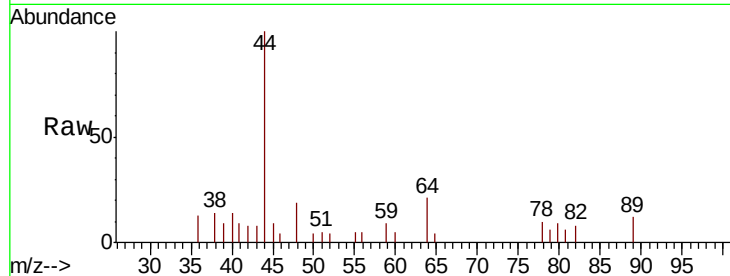


#11

Tert butyl alcohol
 Concen: 0.30 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: VX004167.D
 Acq: 21 Aug 2018 11:13

Instrument :
 MSVOA_X
 ClientSampled :
 VX0821WBL01

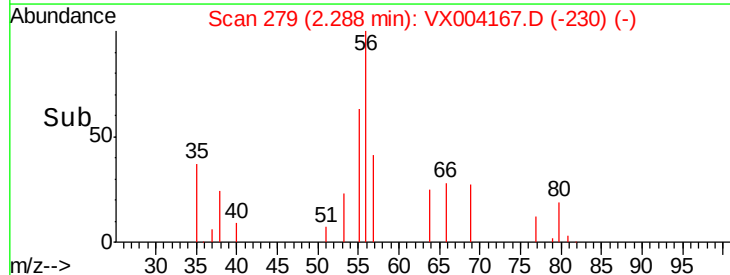
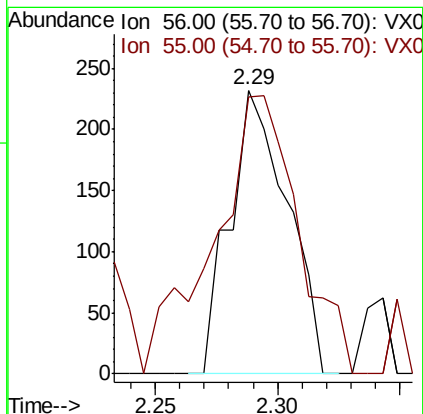
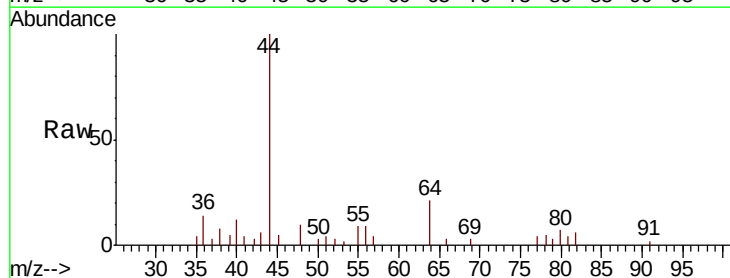
Tot Ion: 59 Resp: 240
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

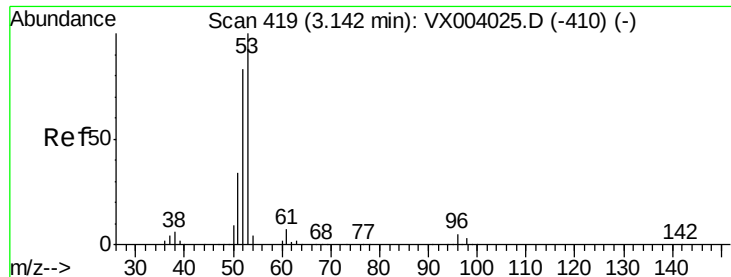


#13

Acrolein
 Concen: 11.61 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004167.D
 Acq: 21 Aug 2018 11:13

Tgt Ion: 56 Resp: 378
 Ion Ratio Lower Upper
 56 100
 55 144.4 56.1 84.1#





#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBL01

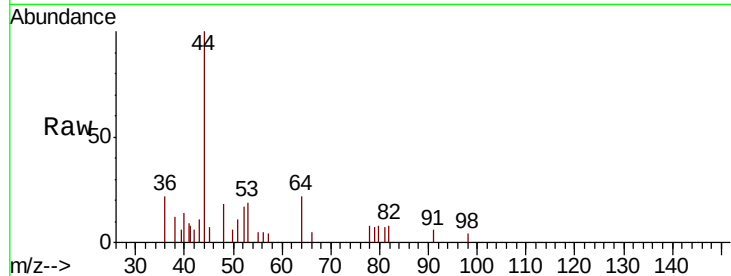
Tot Ion: 53 Resp: 649

Ion Ratio Lower Upper

53 100

52 63.8 65.3 97.9#

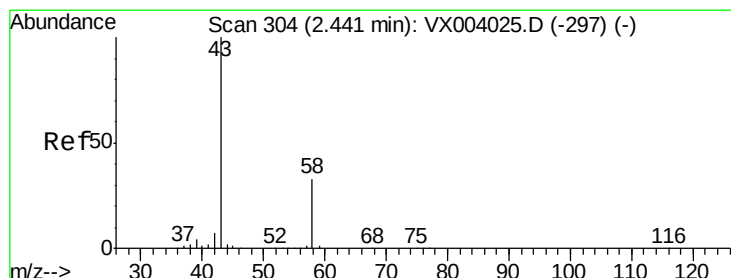
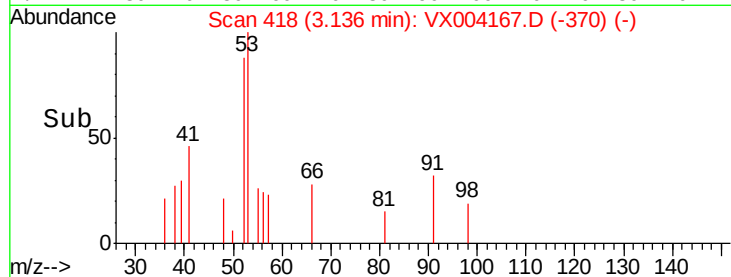
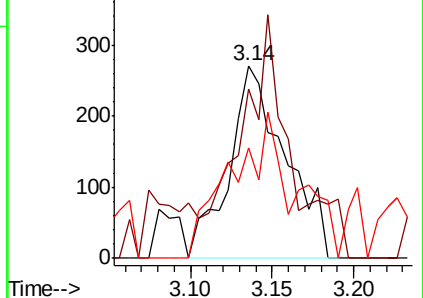
51 65.9 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.46 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004167.D

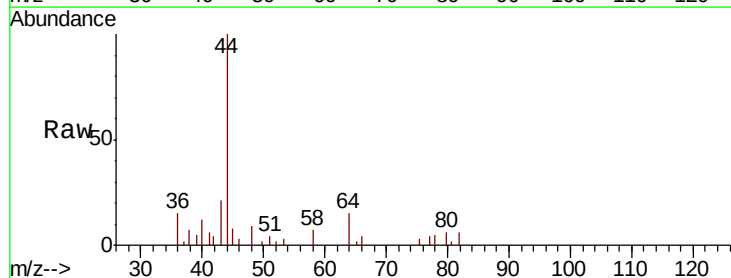
Acq: 21 Aug 2018 11:13

Tgt Ion: 43 Resp: 949

Ion Ratio Lower Upper

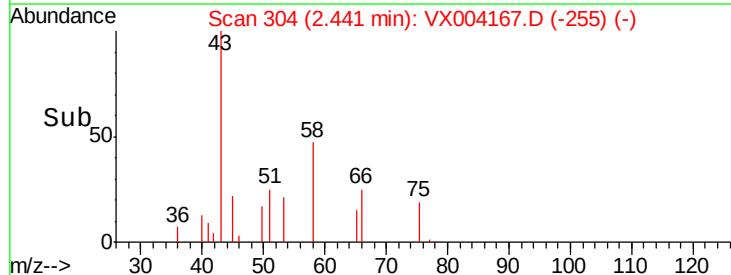
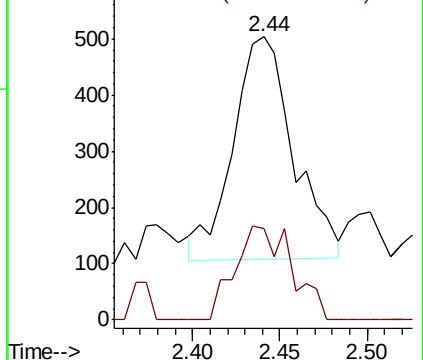
43 100

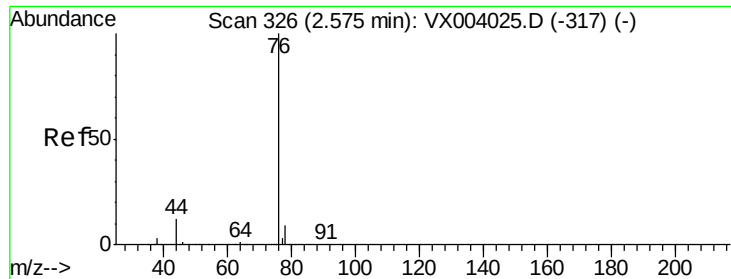
58 44.5 26.4 39.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

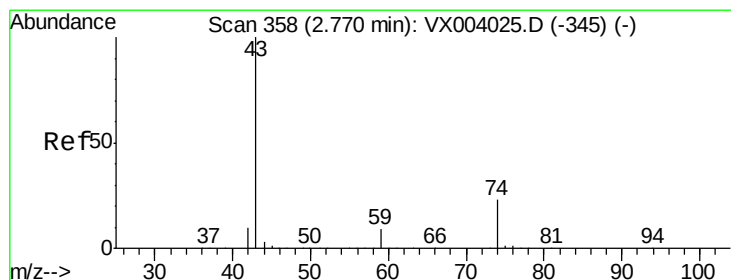
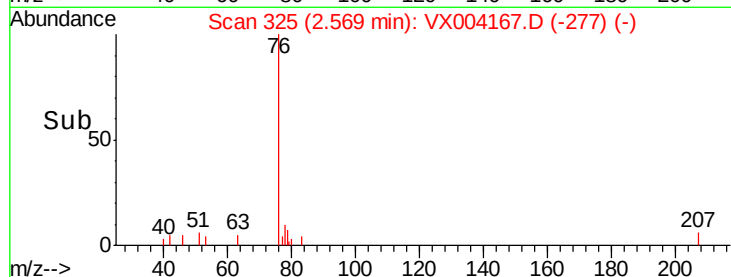
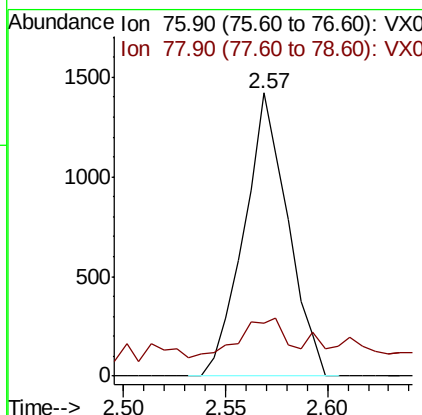
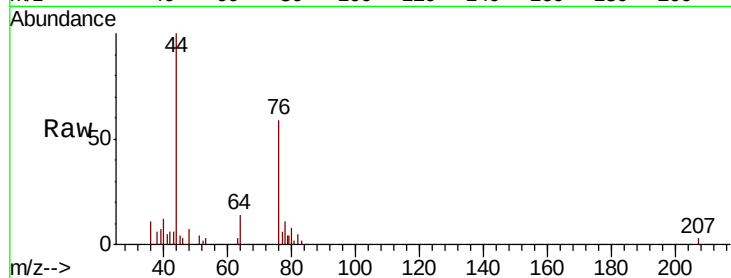




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

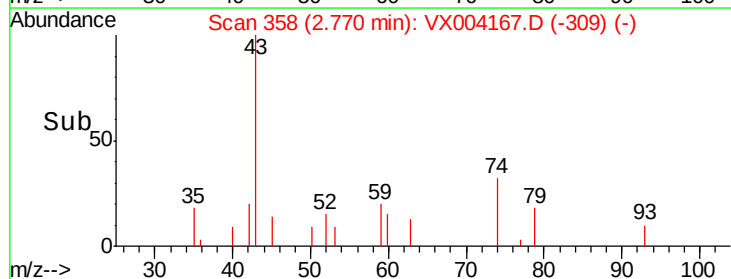
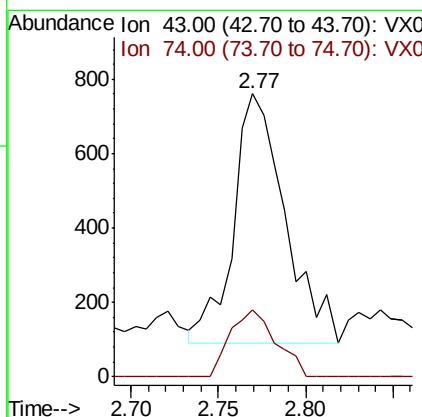
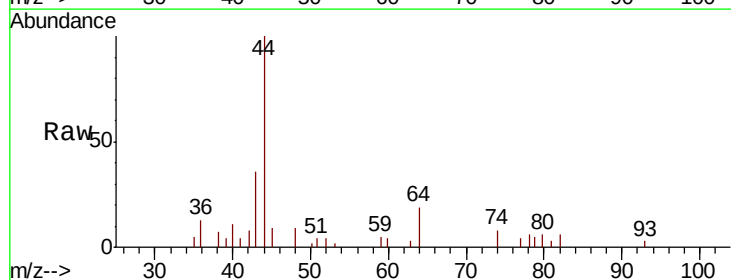
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

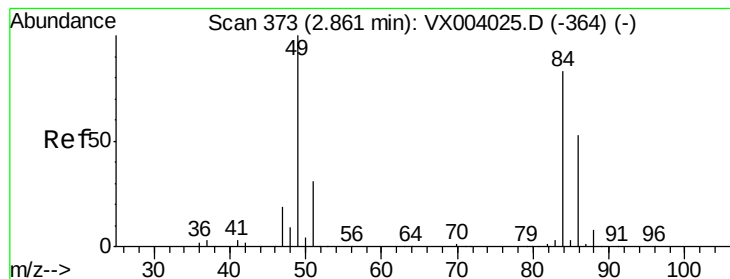
Tot Ion: 76 Resp: 2123
Ion Ratio Lower Upper
76 100
78 12.1 7.5 11.3#



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.00 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBL01

Tot Ion: 84 Resp: 721

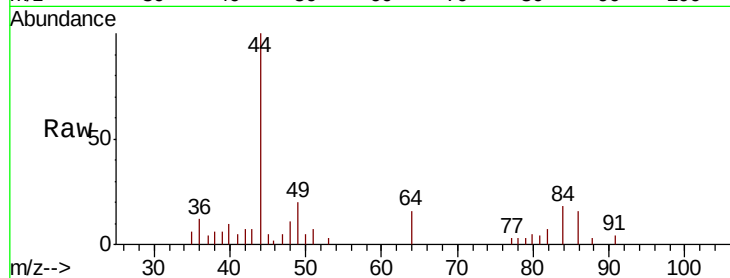
Ion Ratio Lower Upper

84 100

49 110.0 98.9 148.3

51 36.8 29.9 44.9

86 86.8 51.0 76.6#

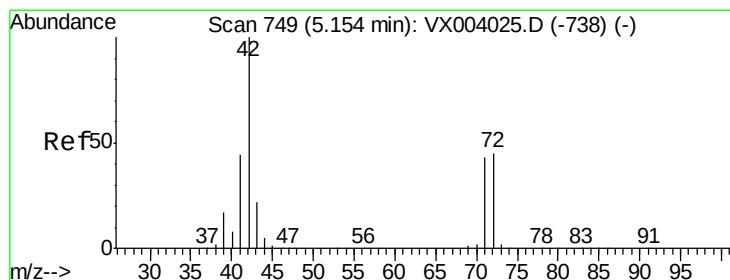
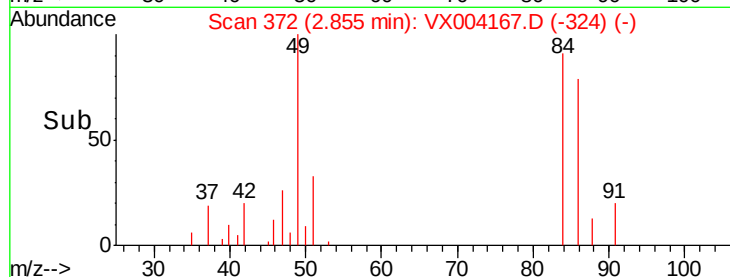
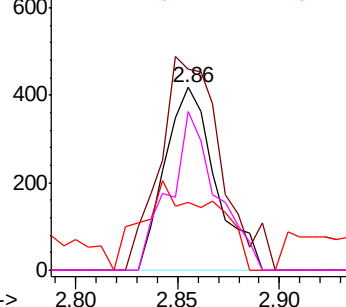


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.00 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

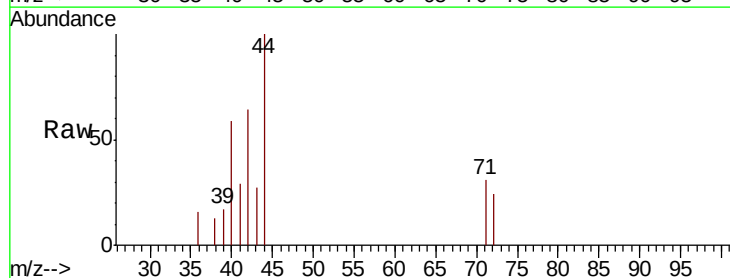
Tgt Ion: 42 Resp: 999

Ion Ratio Lower Upper

42 100

72 32.7 37.7 56.5#

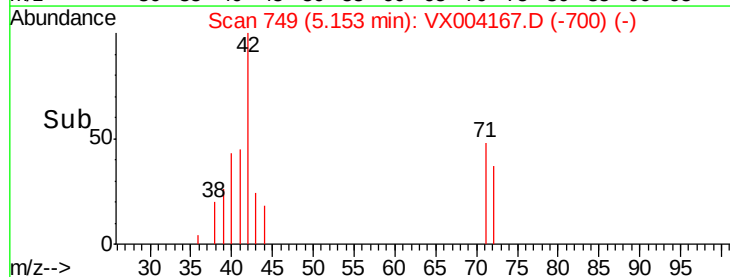
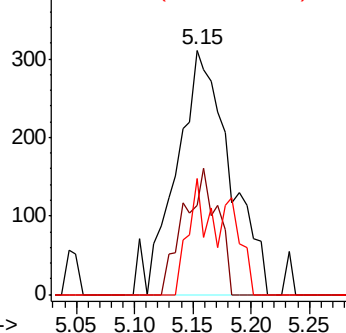
71 19.6 35.0 52.6#

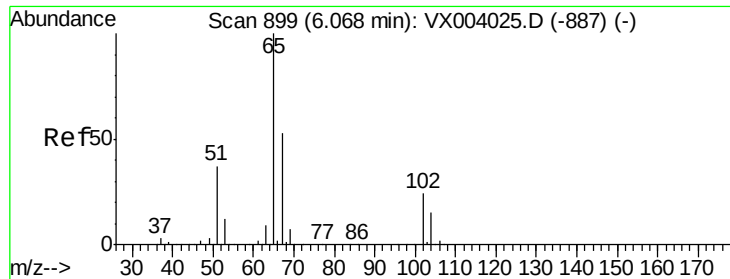


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

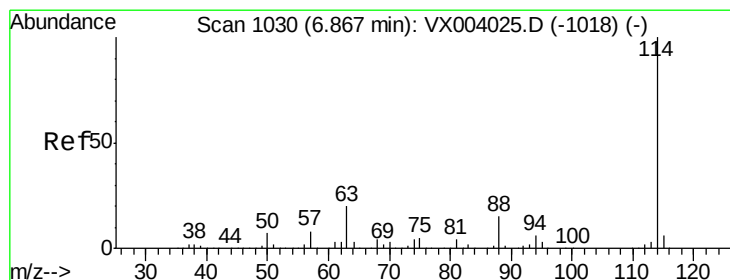
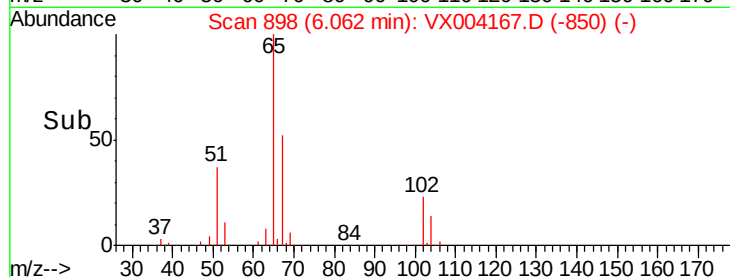
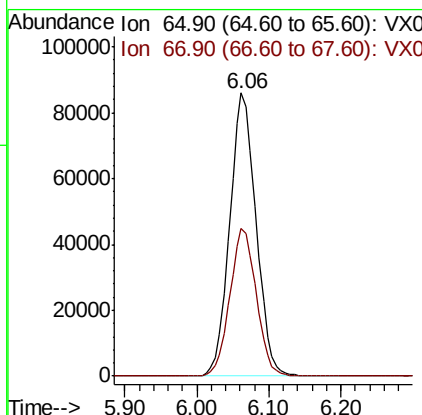
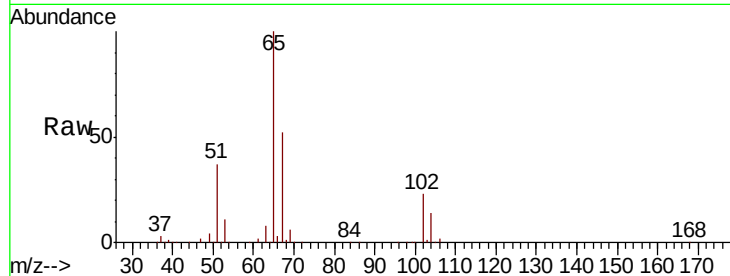




#33
 1,2-Dichloroethane-d4
 Concen: 54.87 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004167.D
 Acq: 21 Aug 2018 11:13

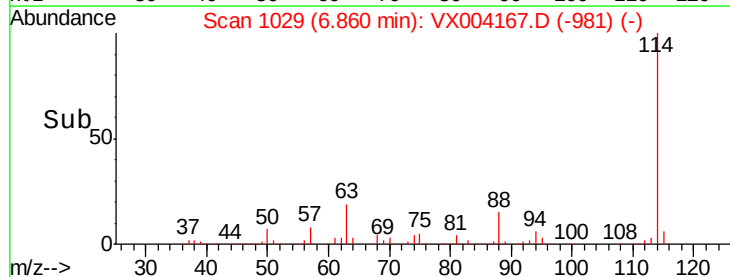
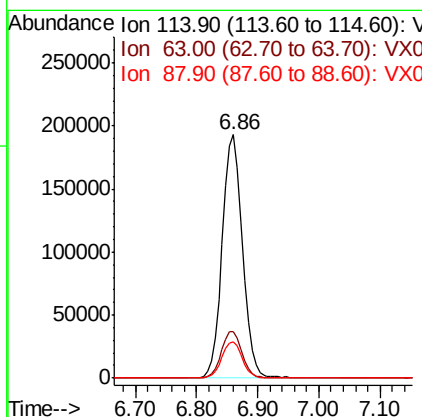
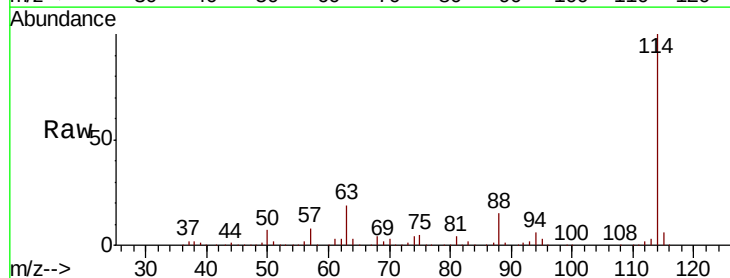
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0821WBL01

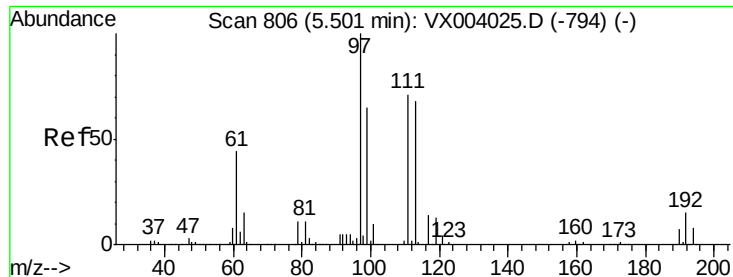
Tot Ion: 65 Resp: 218292
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004167.D
 Acq: 21 Aug 2018 11:13

Tgt Ion: 114 Resp: 444480
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.0
 88 15.0 0.0 32.0

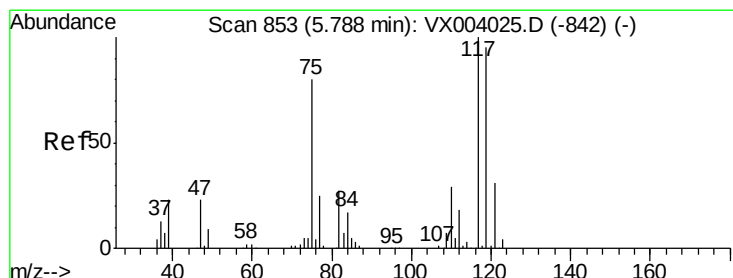
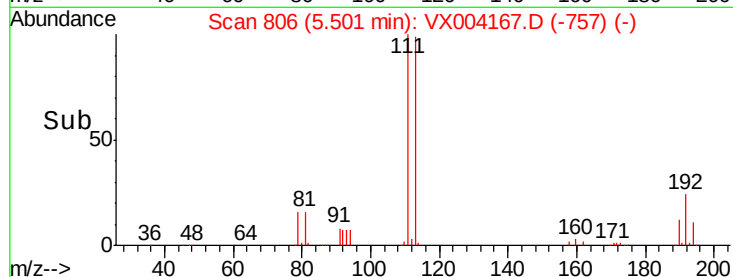
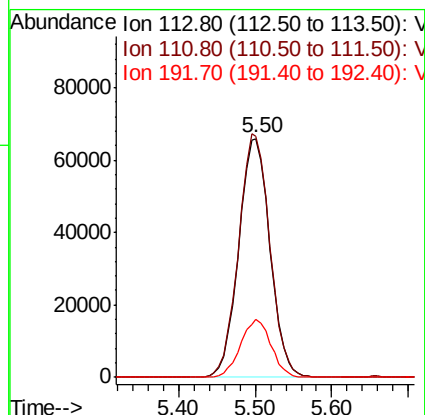
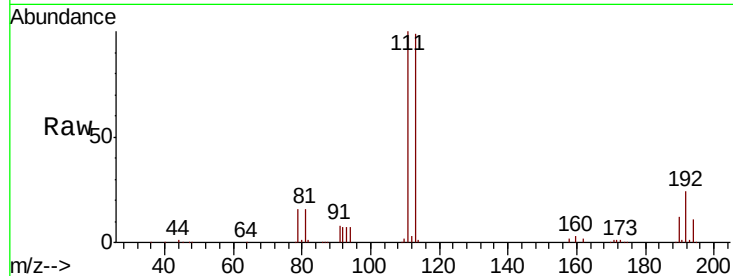




#35
Dibromofluoromethane
Concen: 56.21 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

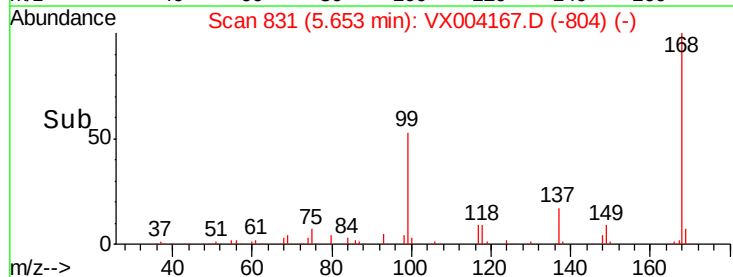
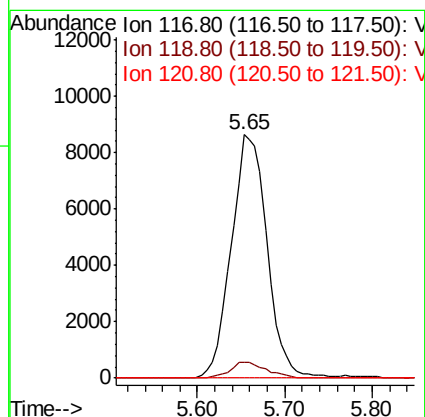
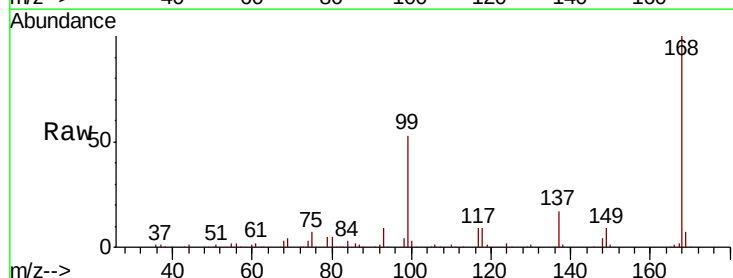
Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

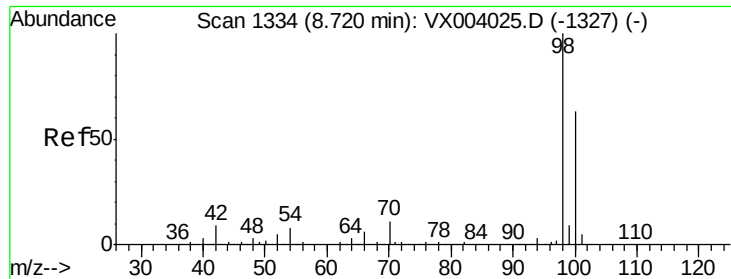
Tot Ion:113 Resp: 186971
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 23.9 19.0 28.4



#38
Carbon Tetrachloride
Concen: 5.00 ug/l
RT: 5.65 min Scan# 831
Delta R.T. -0.13 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

Tgt Ion:117 Resp: 24555
Ion Ratio Lower Upper
117 100
119 6.4 79.5 119.3#
121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 50.06 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

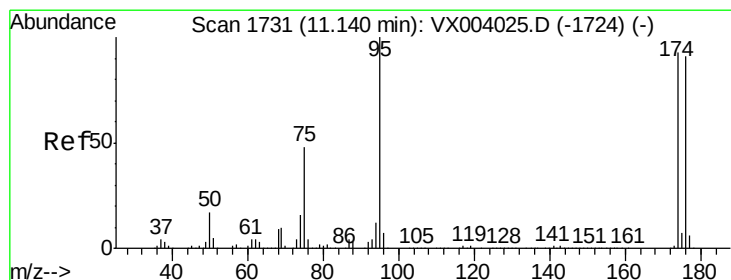
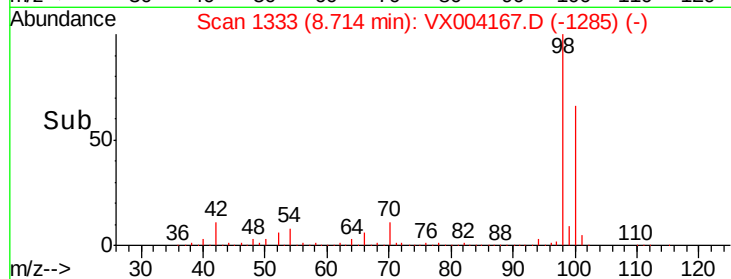
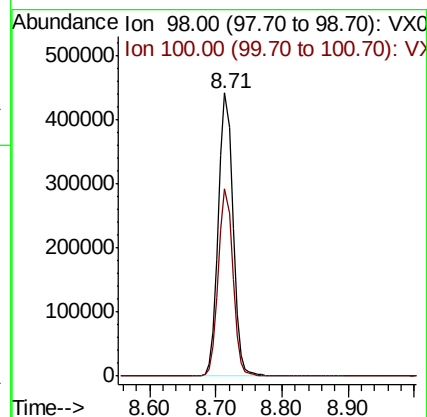
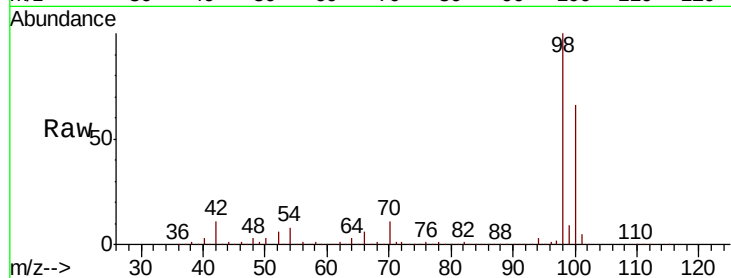
VX0821WBL01

Tot Ion: 98 Resp: 675114

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 46.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

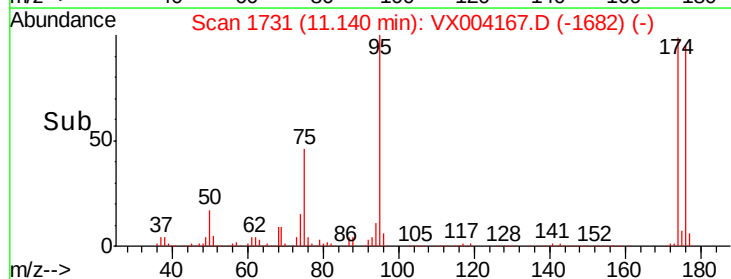
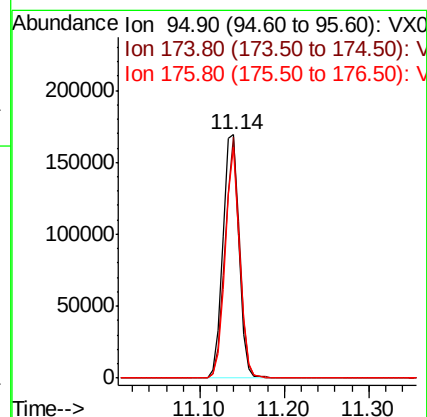
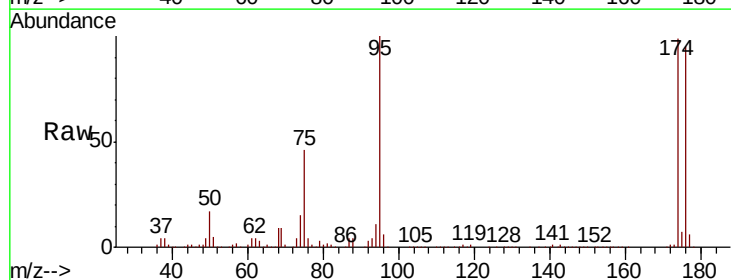
Tgt Ion: 95 Resp: 225164

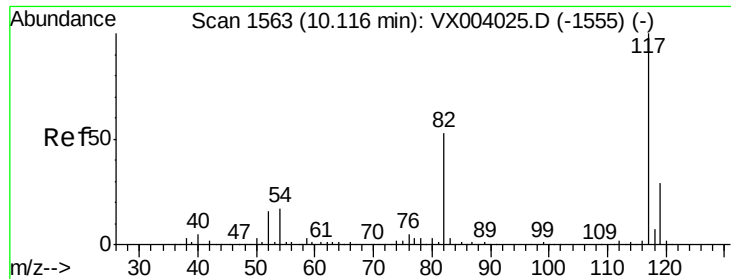
Ion Ratio Lower Upper

95 100

174 90.7 0.0 182.8

176 85.9 0.0 179.0

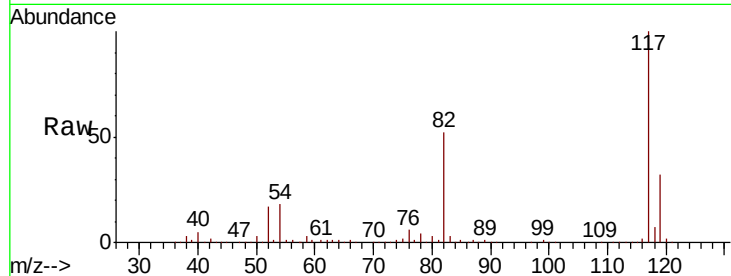




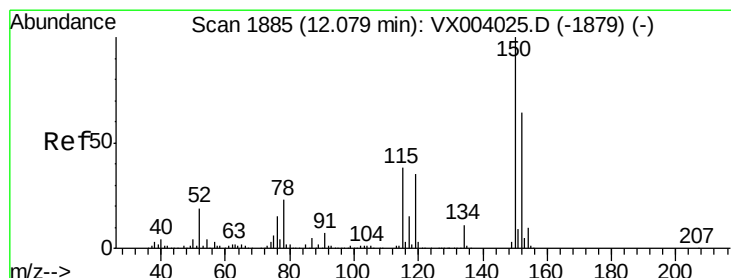
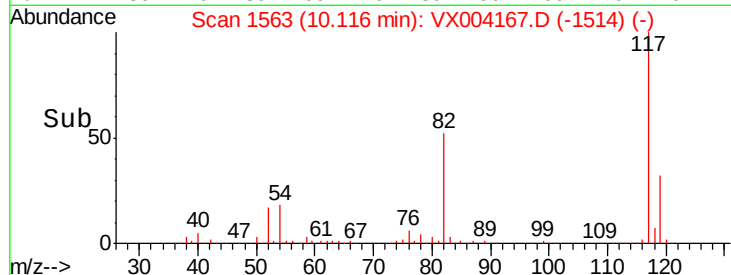
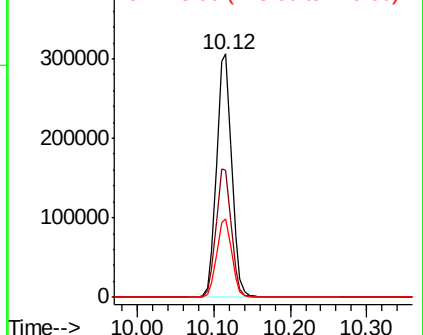
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tot Ion:117 Resp: 421562
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 32.5 26.6 40.0

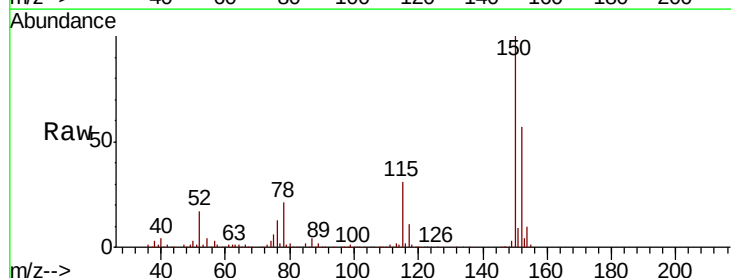


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

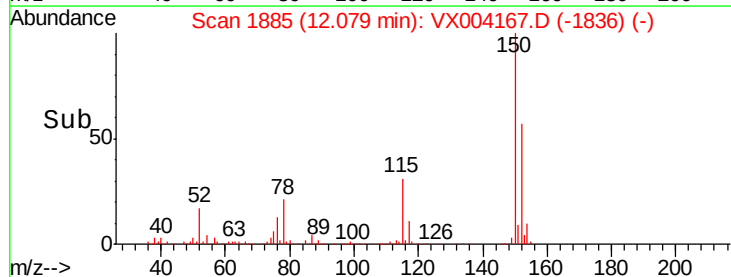
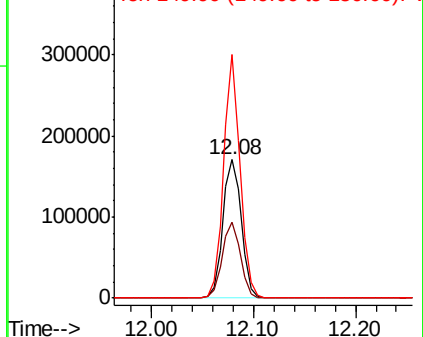


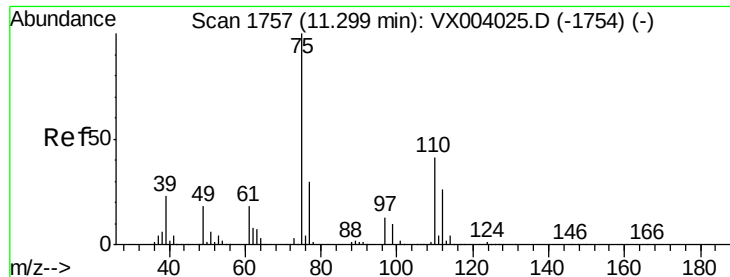
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004167.D
Acq: 21 Aug 2018 11:13

Tgt Ion:152 Resp: 214921
Ion Ratio Lower Upper
152 100
115 54.3 39.1 117.3
150 156.9 0.0 349.2



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





#76

1,2,3-Trichloropropane

Concen: 24.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

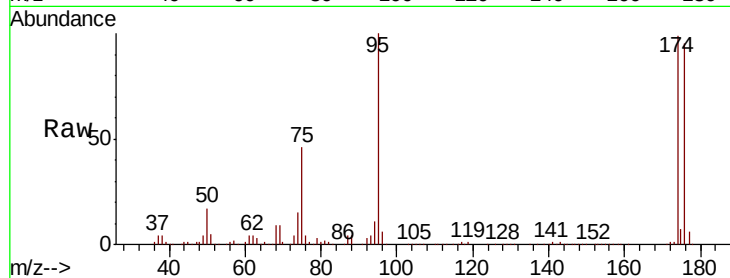
VX0821WBL01

Tot Ion: 75 Resp: 105144

Ion Ratio Lower Upper

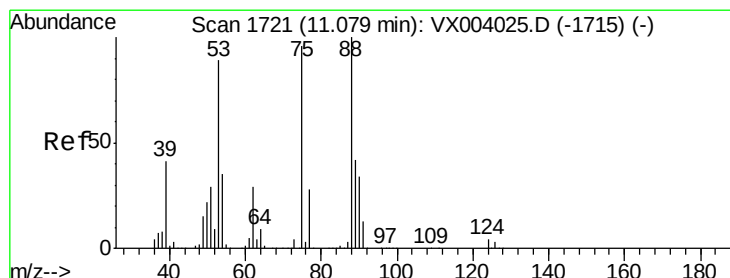
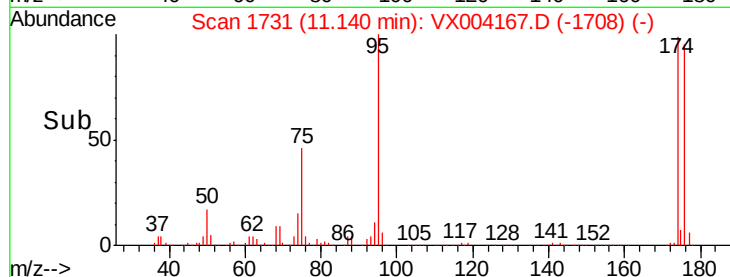
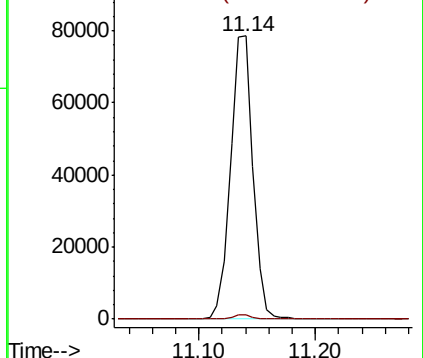
75 100

77 1.4 20.8 62.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

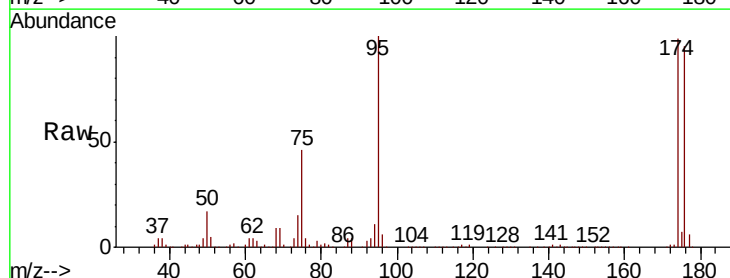
Tgt Ion: 75 Resp: 105144

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

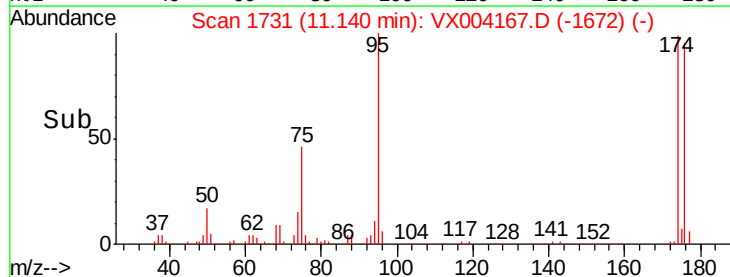
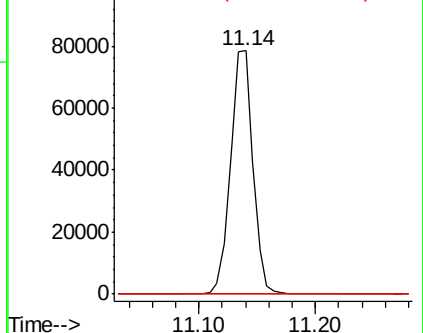
89 0.0 37.8 56.8#

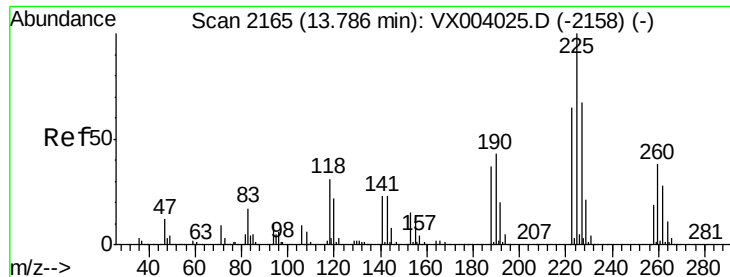


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.28 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

Instrument :

MSVOA_X

ClientSampleId :

VX0821WBL01

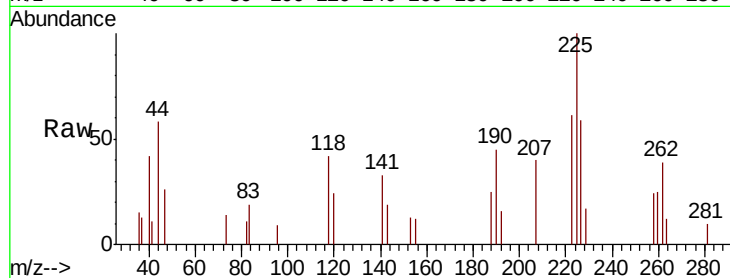
Tot Ion:225 Resp: 657

Ion Ratio Lower Upper

225 100

223 65.6 31.4 94.0

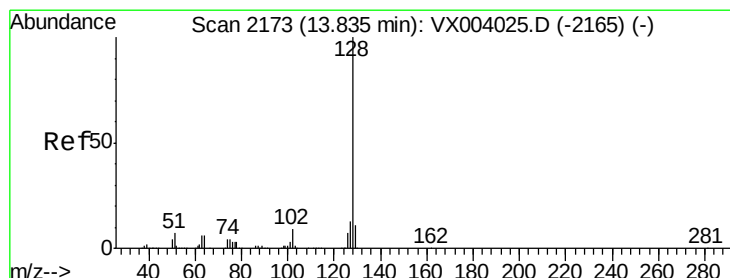
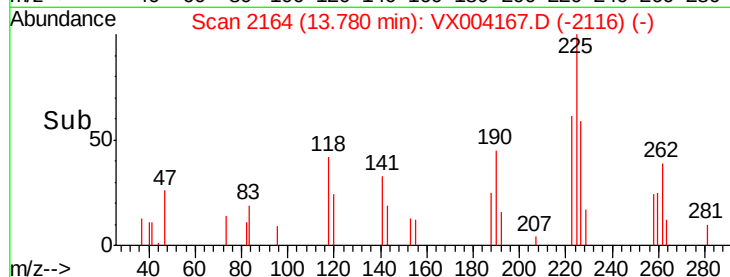
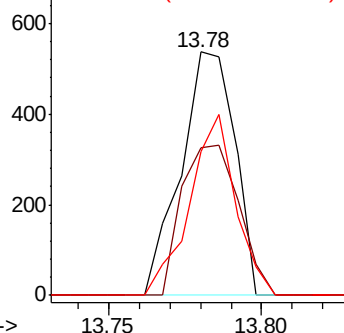
227 63.6 32.1 96.5



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: 1.23 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004167.D

Acq: 21 Aug 2018 11:13

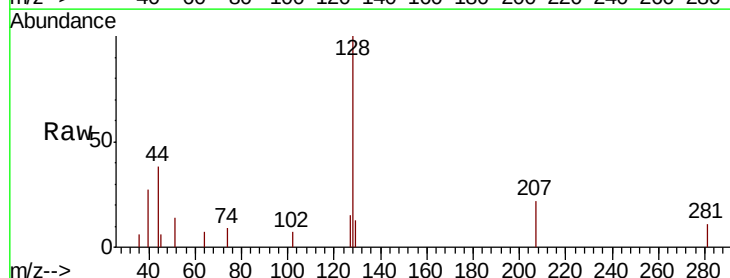
Tgt Ion:128 Resp: 1276

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

129 10.4 8.8 13.2



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

