

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004124.D
 Acq On : 17 Aug 2018 11:43
 Operator : JC/MD
 Sample : J4522-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 18 01:30:04 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	5.67	168	229359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175209	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	169801	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	5.51	113	145350	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
50) Toluene-d8	8.72	98	505511	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	11.14	95	155316	39.33	ug/l	0.00
Spiked Amount			Recovery	=	78.66%	

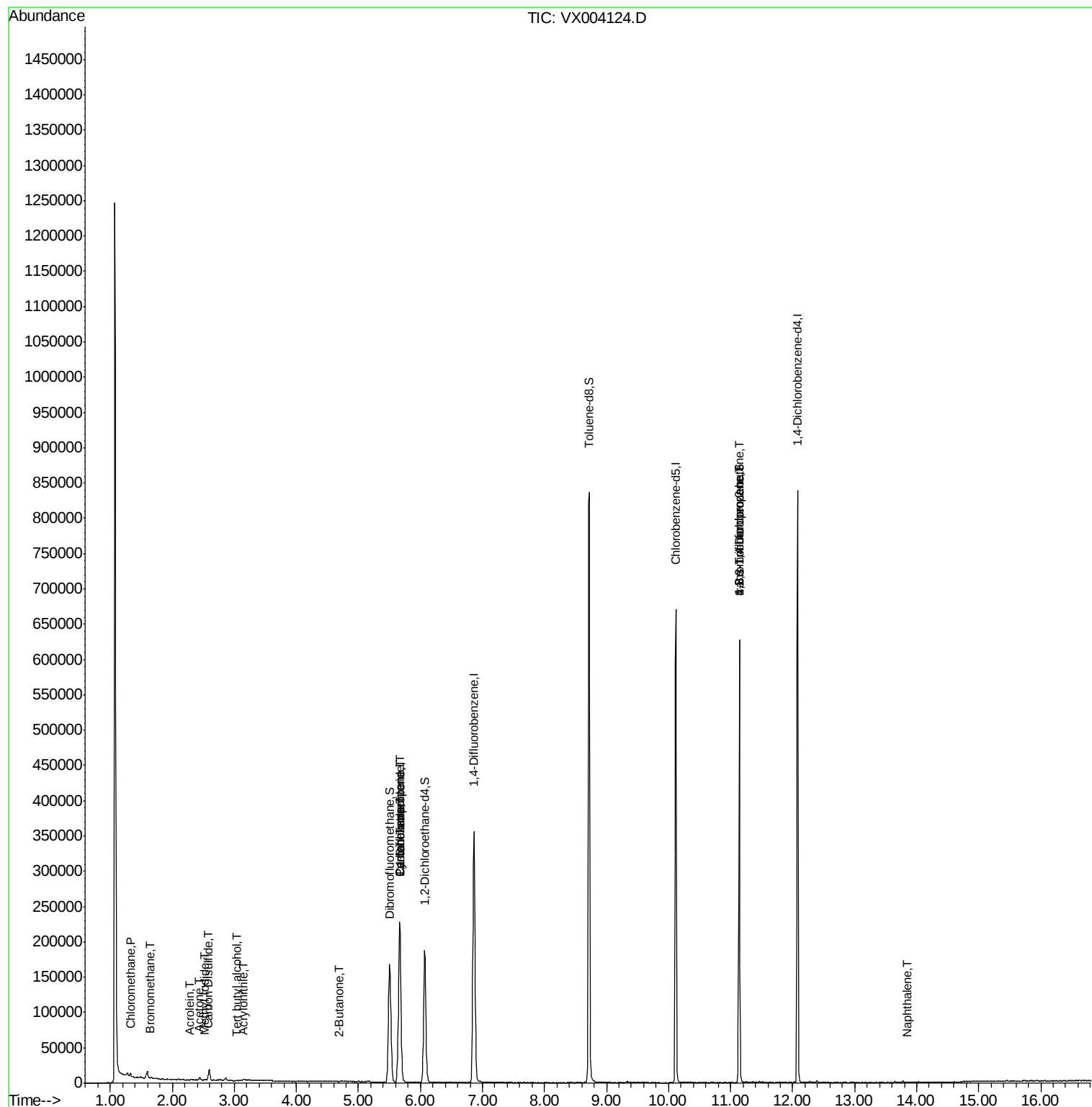
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	6842	2.50	ug/l	100
5) Bromomethane	1.65	94	1109	0.56	ug/l	95
6) Chloroethane	1.73	64	450	Below Cal	#	83
10) Methyl Iodide	2.51	142	1049	5.35	ug/l	# 96
11) Tert butyl alcohol	3.04	59	299	0.46	ug/l	# 90
13) Acrolein	2.29	56	236	11.46	ug/l	# 68
15) Acrylonitrile	3.14	53	634	0.39	ug/l	# 50
16) Acetone	2.43	43	4184	2.49	ug/l	96
17) Carbon Disulfide	2.57	76	1930	0.28	ug/l	# 90
20) Methylene Chloride	2.85	84	1610	Below Cal		90
25) 2-Butanone	4.69	43	1038	0.38	ug/l	# 48
31) Cyclohexane	5.67	56	4401	0.99	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	15639	3.83	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	19596	4.94	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	75250	21.42	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	75250	66.29	ug/l	# 10
95) Naphthalene	13.84	128	909	1.22	ug/l	# 90

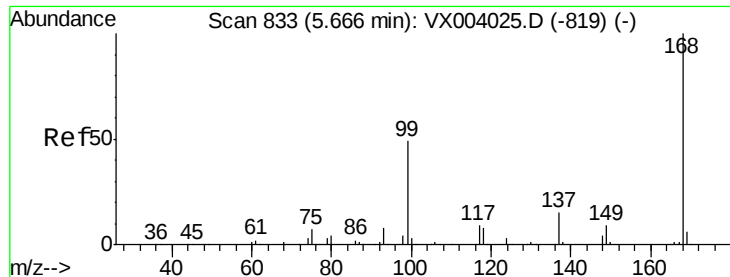
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004124.D
Acq On : 17 Aug 2018 11:43
Operator : JC/MD
Sample : J4522-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 18 01:30:04 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: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

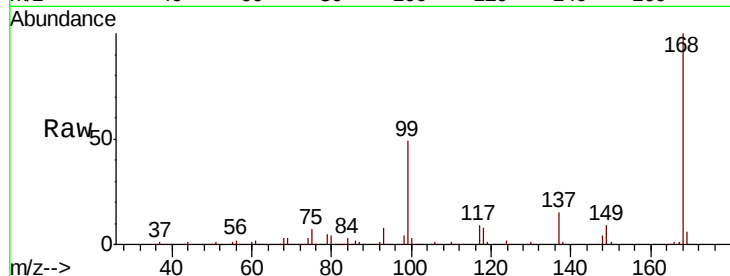
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 229359

Ion Ratio Lower Upper

168 100

99 49.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

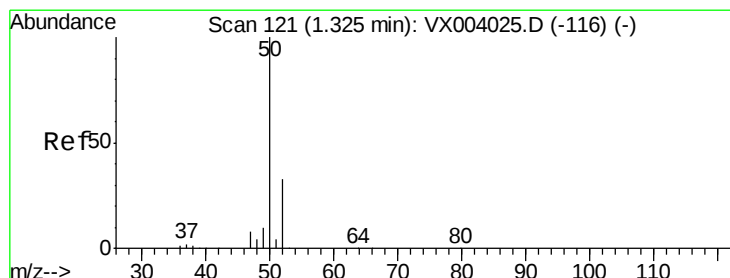
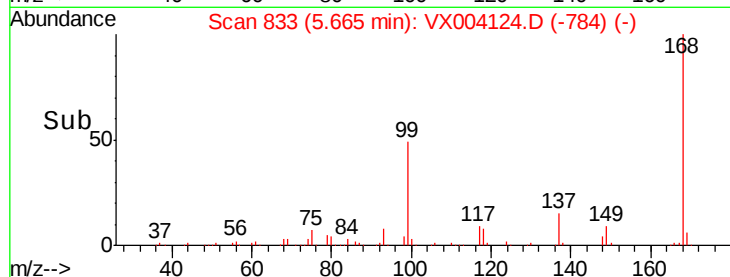
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 2.50 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004124.D

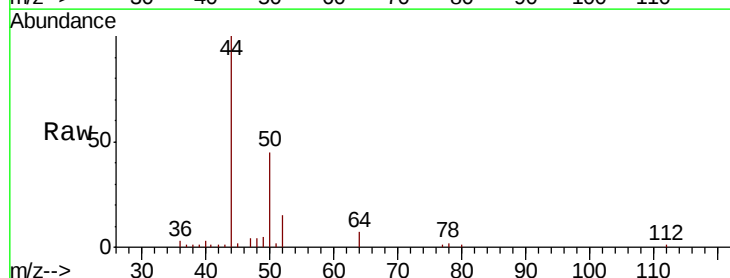
Acq: 17 Aug 2018 11:43

Tgt Ion: 50 Resp: 6842

Ion Ratio Lower Upper

50 100

52 33.2 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

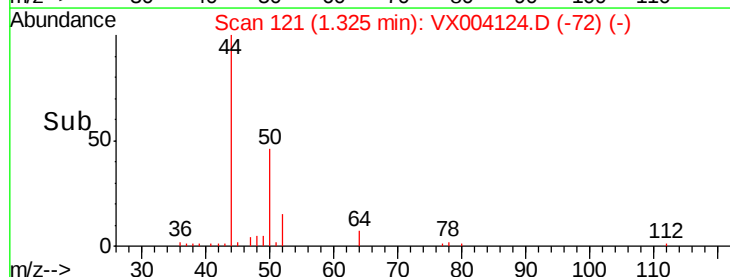
3000

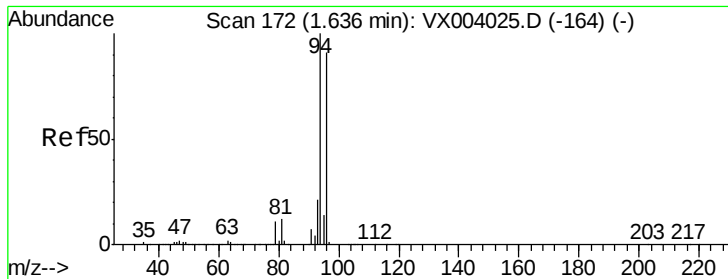
2000

1000

0

Time--> 1.25 1.30 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.56 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

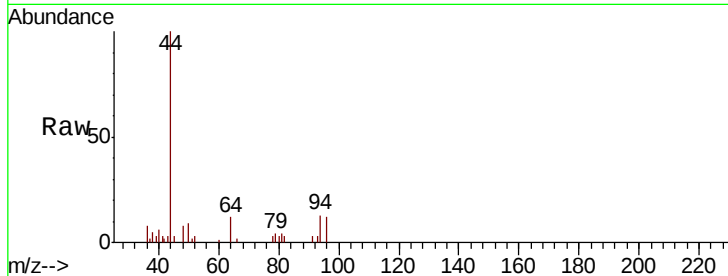
ClientSampleId :

Tot Ion: 94 Resp: 1109

Ion Ratio Lower Upper

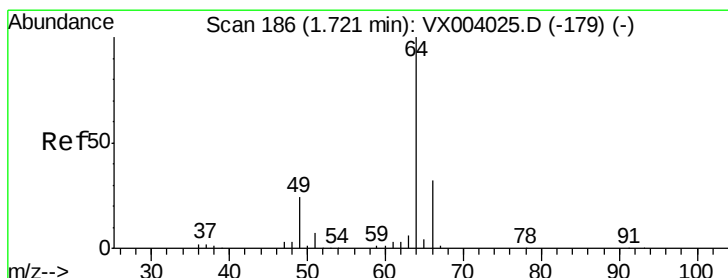
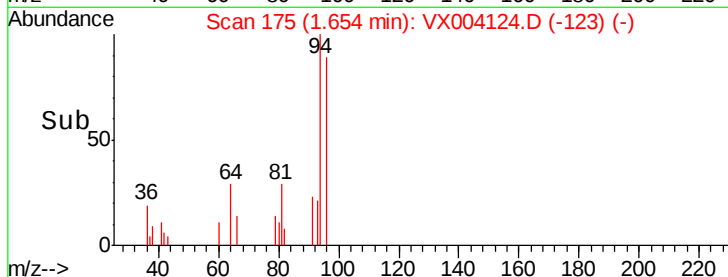
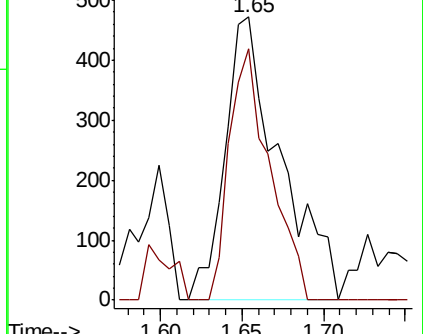
94 100

96 88.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004124.D

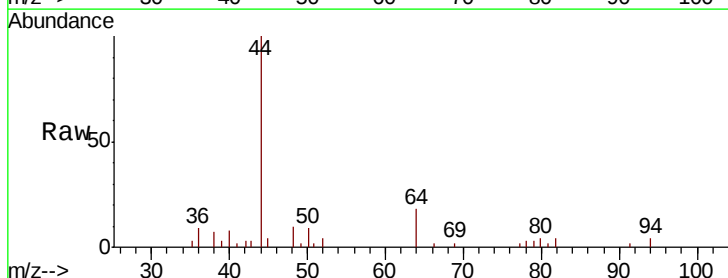
Acq: 17 Aug 2018 11:43

Tgt Ion: 64 Resp: 450

Ion Ratio Lower Upper

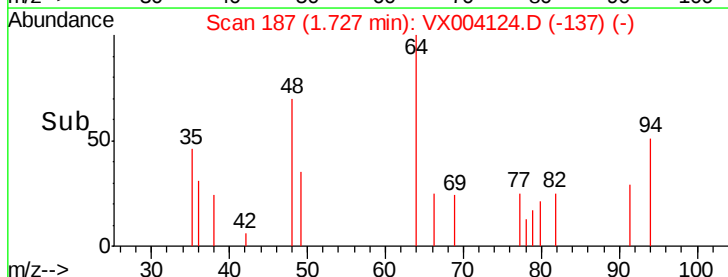
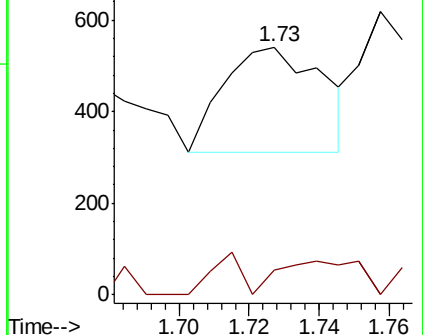
64 100

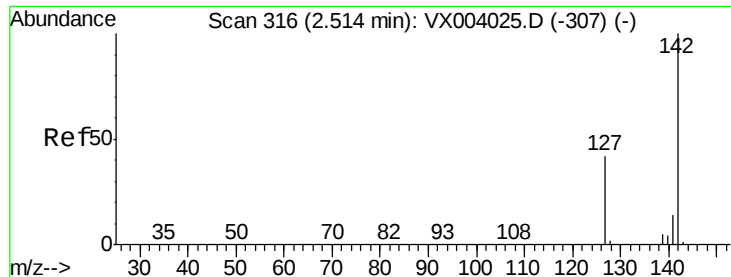
66 23.5 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

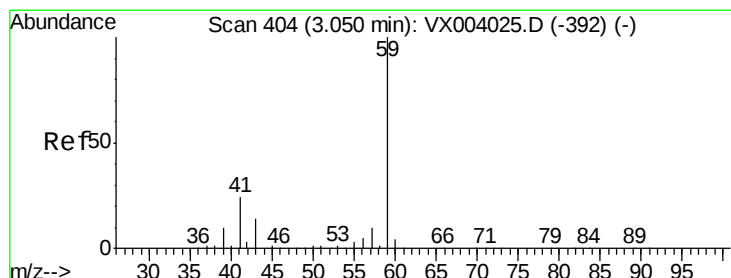
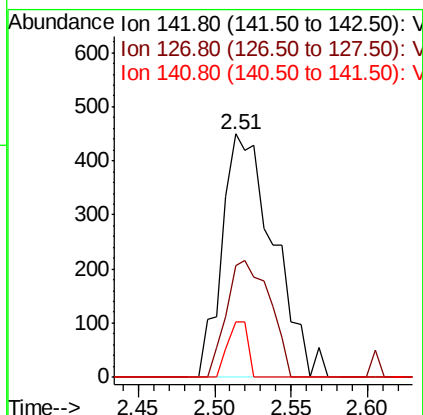
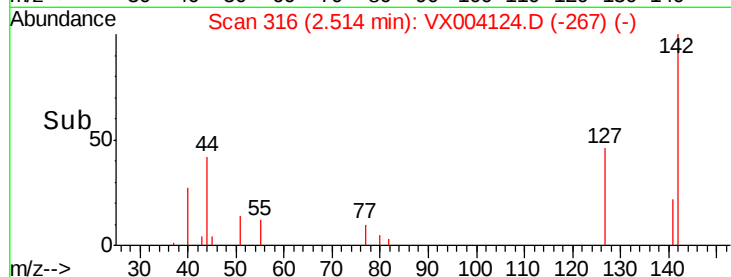
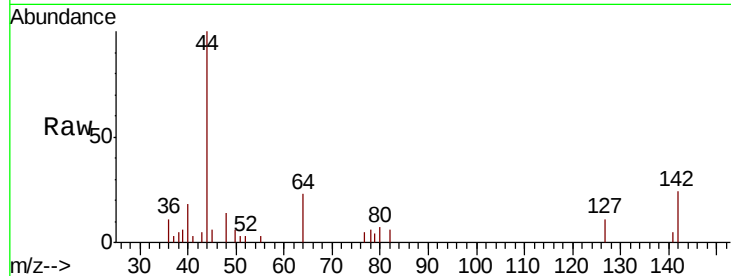




#10
Methyl Iodide
Concen: 5.35 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

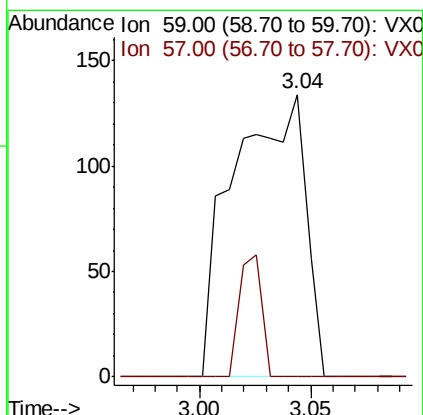
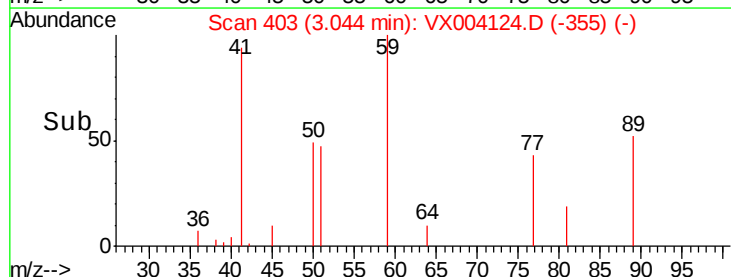
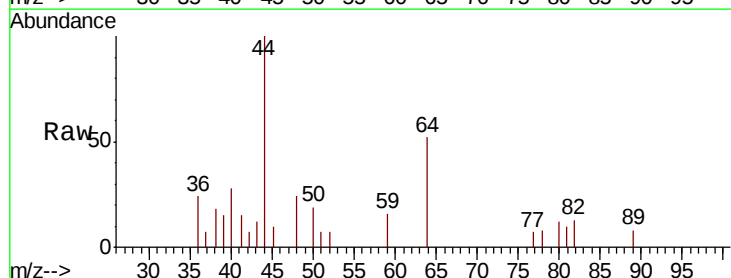
Instrument :
MSVOA_X
ClientSampled :

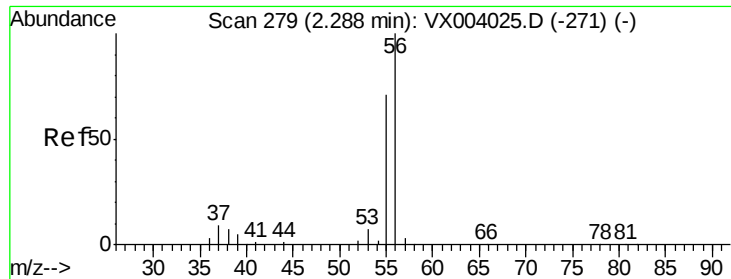
Tot Ion:142 Resp: 1049
Ion Ratio Lower Upper
142 100
127 40.3 33.1 49.7
141 9.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.46 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 13.7 8.1 12.1#

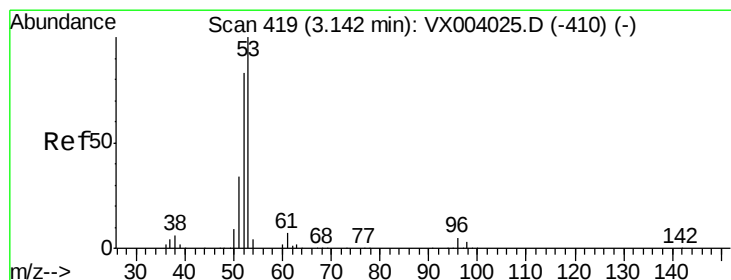
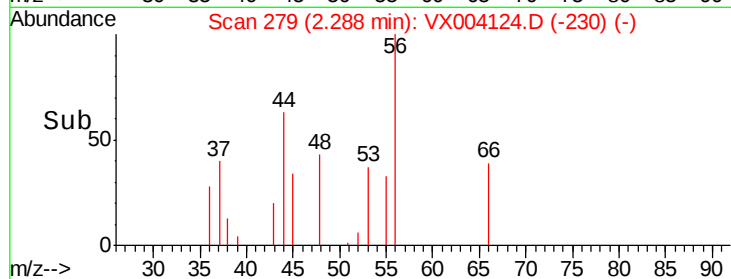
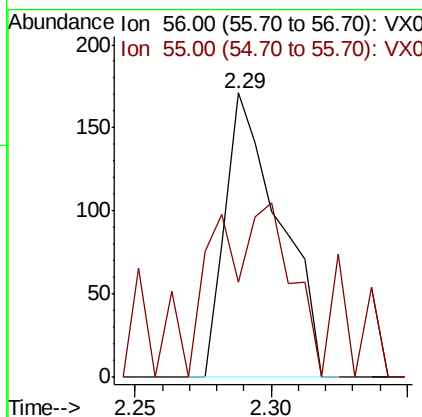
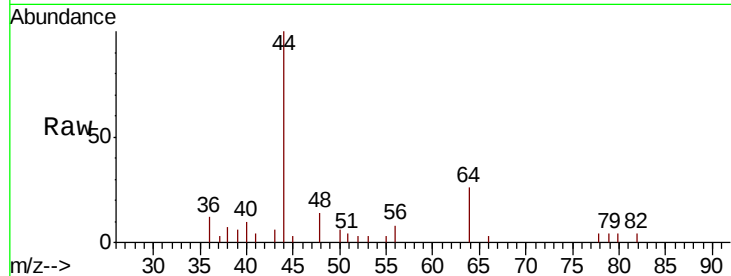




#13
Acrolein
Concen: 11.46 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

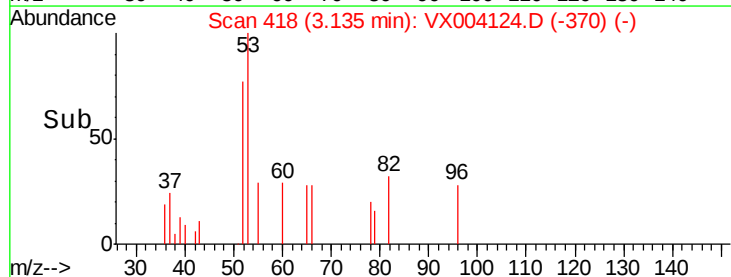
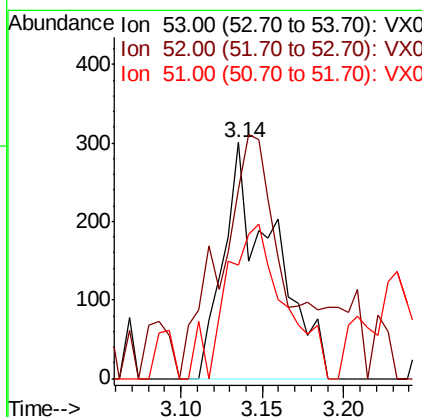
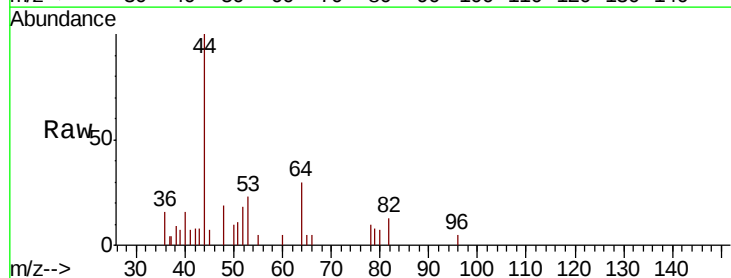
Instrument :
MSVOA_X
ClientSampled :

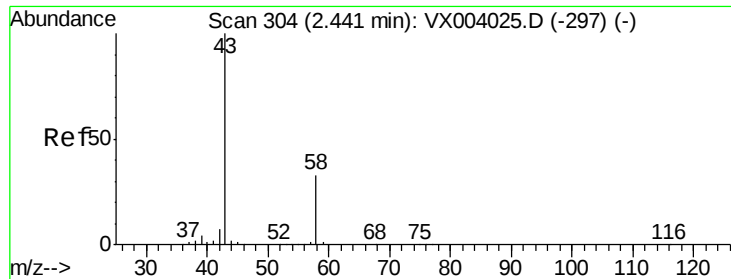
Tot Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 43.6 56.1 84.1#



#15
Acrylonitrile
Concen: 0.39 ug/l
RT: 3.14 min Scan# 418
Delta R.T. -0.01 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

Tgt Ion: 53 Resp: 634
Ion Ratio Lower Upper
53 100
52 116.6 65.3 97.9#
51 78.2 27.9 41.9#





#16

Acetone

Concen: 2.49 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

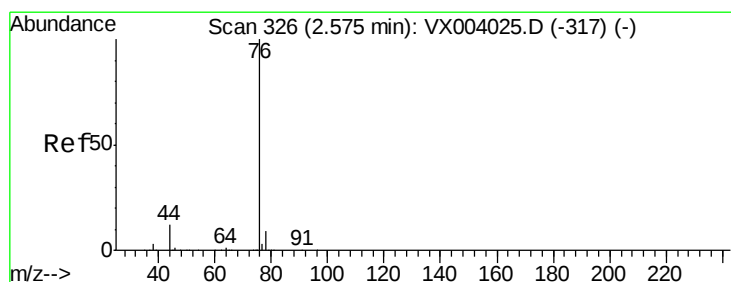
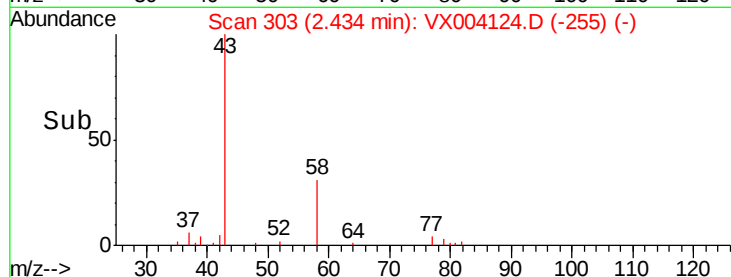
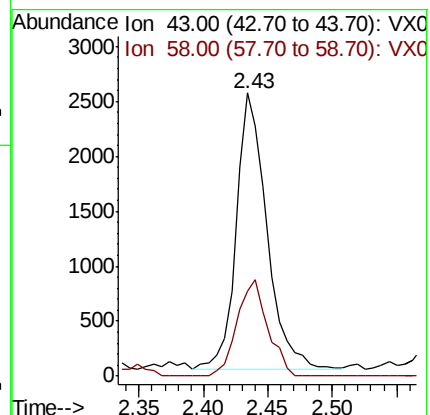
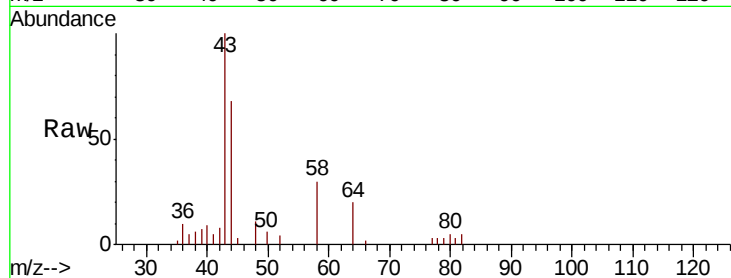
ClientSampleId :

Tot Ion: 43 Resp: 4184

Ion Ratio Lower Upper

43 100

58 30.5 26.4 39.6



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004124.D

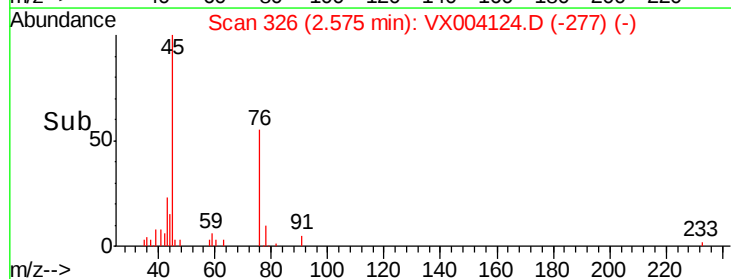
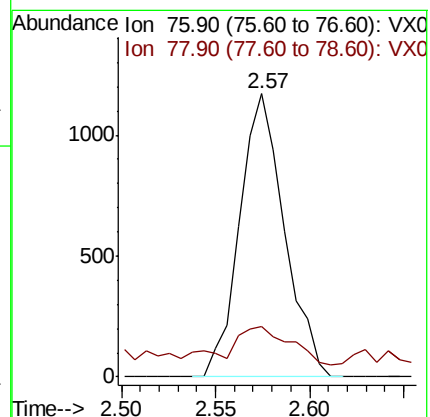
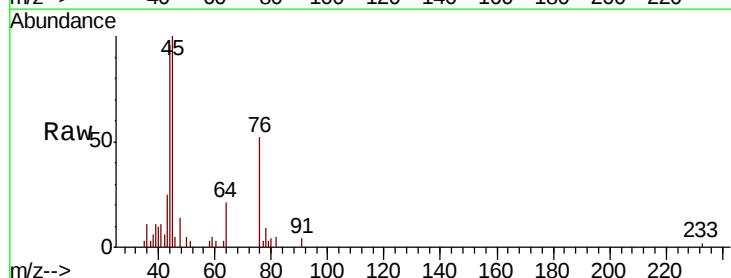
Acq: 17 Aug 2018 11:43

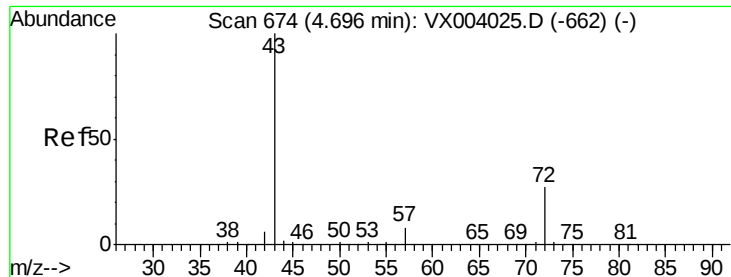
Tgt Ion: 76 Resp: 1930

Ion Ratio Lower Upper

76 100

78 13.2 7.5 11.3#





#25

2-Butanone

Concen: 0.38 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

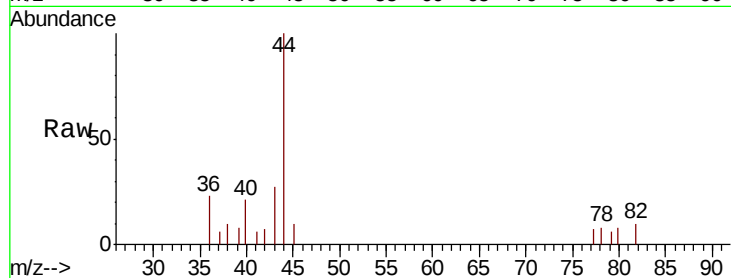
ClientSampled :

Tot Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

250

200

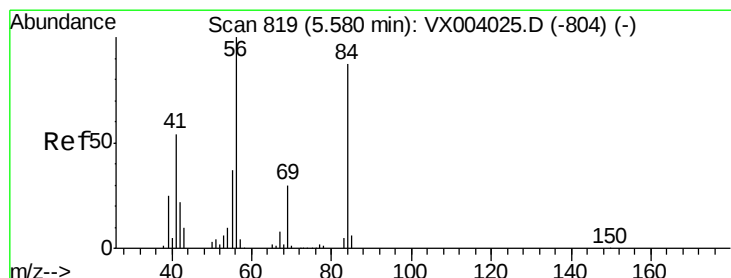
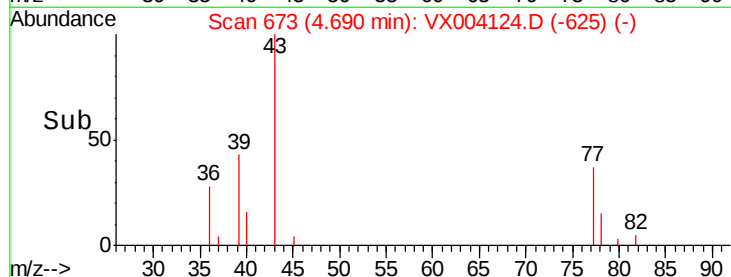
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

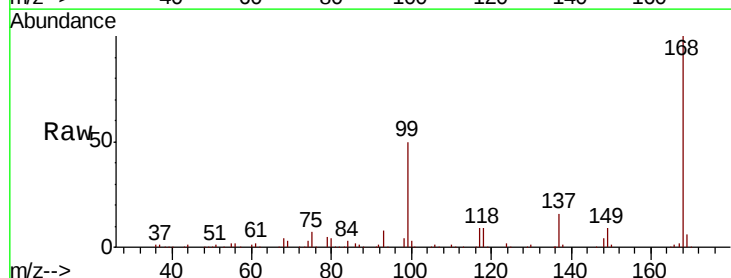
Tgt Ion: 56 Resp: 4401

Ion Ratio Lower Upper

56 100

69 157.9 24.9 37.3#

84 150.8 71.7 107.5#



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

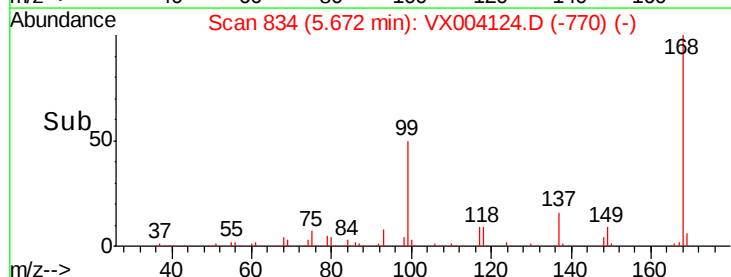
3000

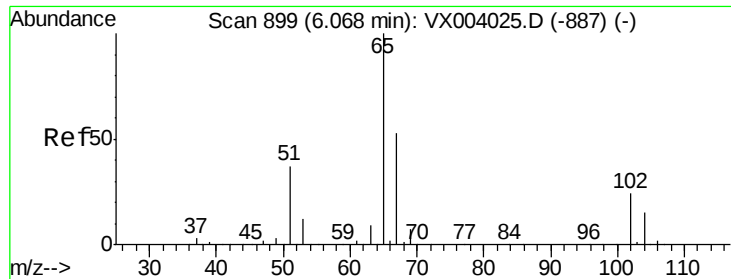
2000

1000

0

Time-->

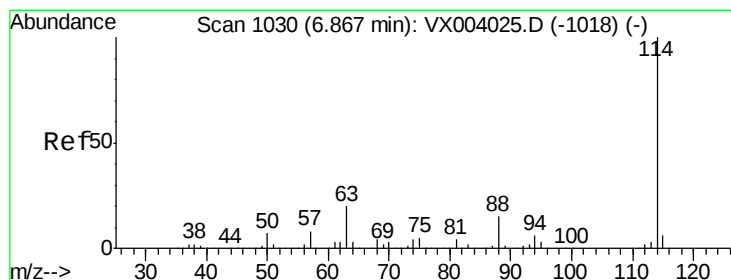
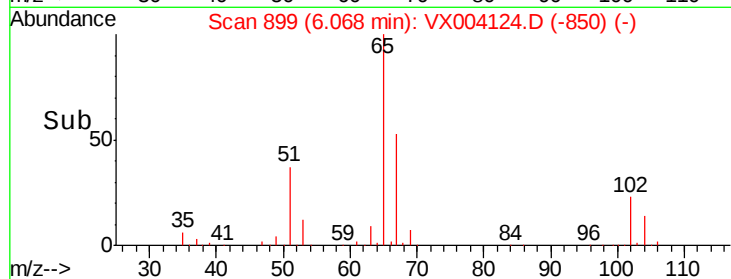
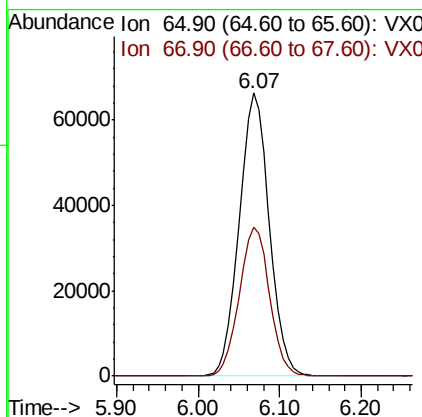
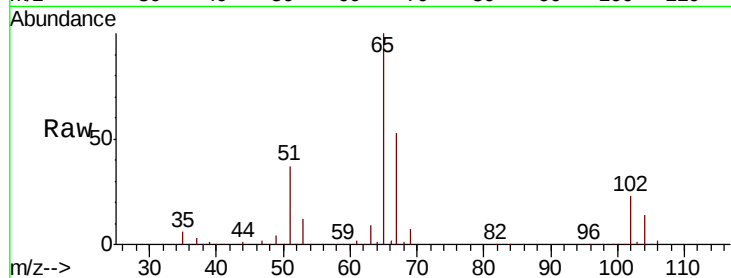




#33
 1,2-Dichloroethane-d4
 Concen: 52.54 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004124.D
 Acq: 17 Aug 2018 11:43

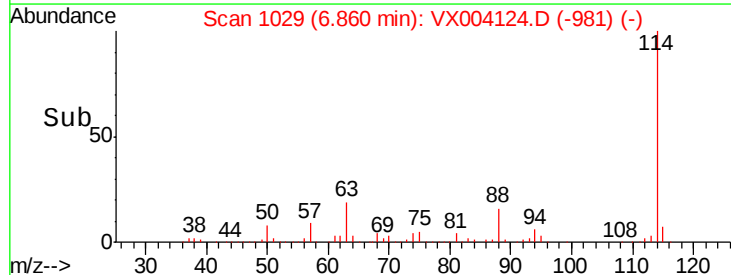
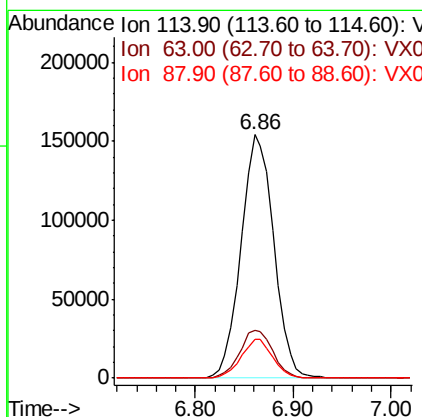
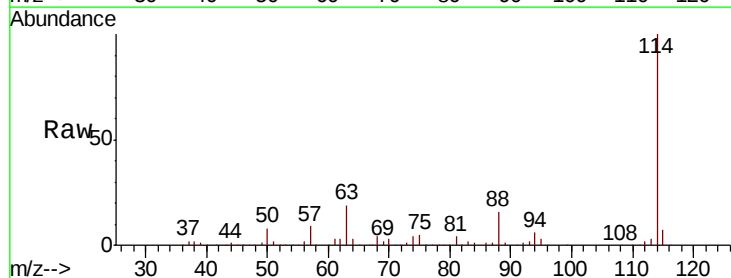
Instrument :
 MSVOA_X
 ClientSampleId :

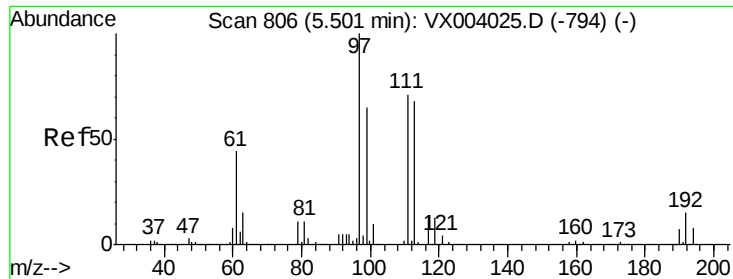
Tot Ion: 65 Resp: 169801
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004124.D
 Acq: 17 Aug 2018 11:43

Tgt Ion: 114 Resp: 358802
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.8 0.0 32.0

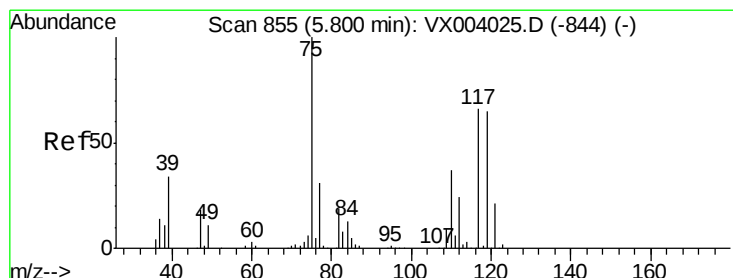
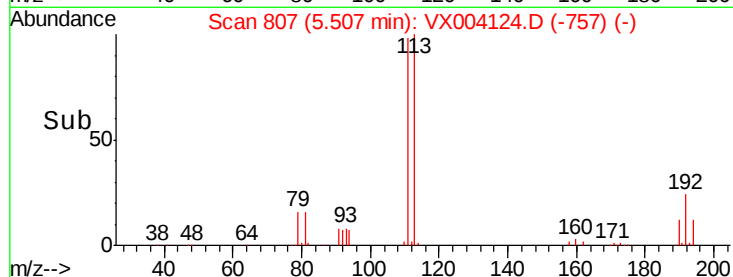
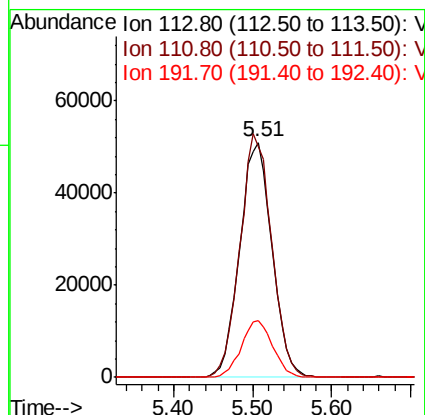
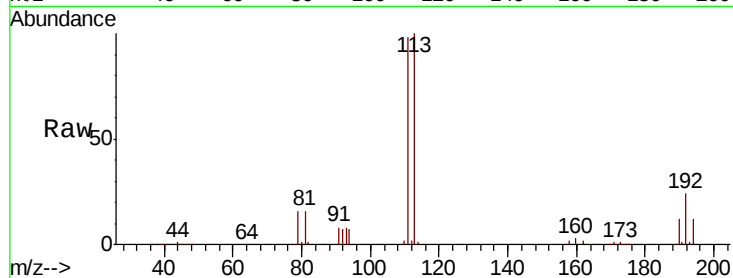




#35
 Dibromofluoromethane
 Concen: 54.13 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004124.D
 Acq: 17 Aug 2018 11:43

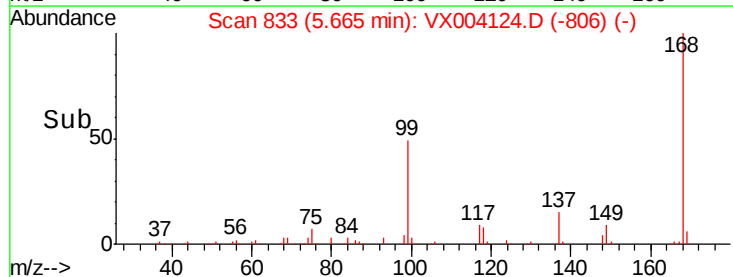
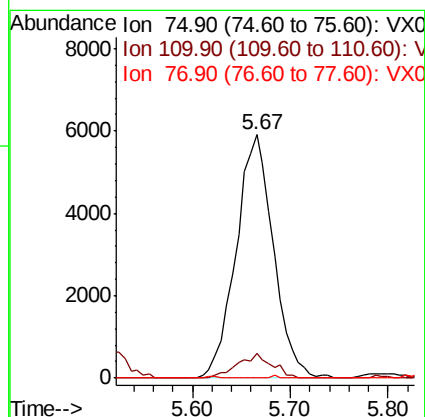
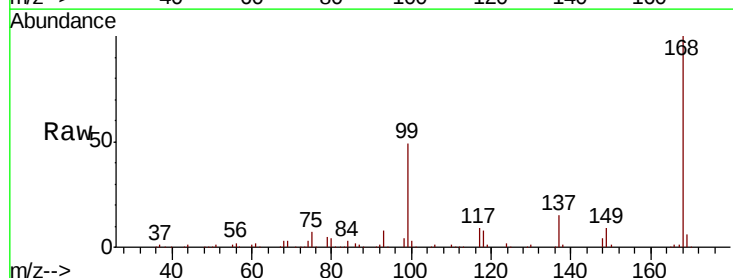
Instrument :
 MSVOA_X
 ClientSampleId :

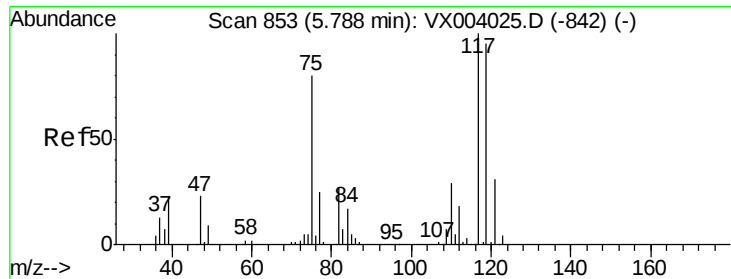
Tot Ion:113 Resp: 145350
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.6 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004124.D
 Acq: 17 Aug 2018 11:43

Tgt Ion: 75 Resp: 15639
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.2 54.6#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.94 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

ClientSampled :

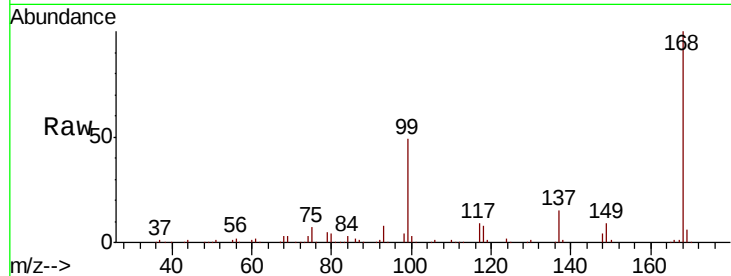
Tot Ion:117 Resp: 19596

Ion Ratio Lower Upper

117 100

119 6.5 79.5 119.3#

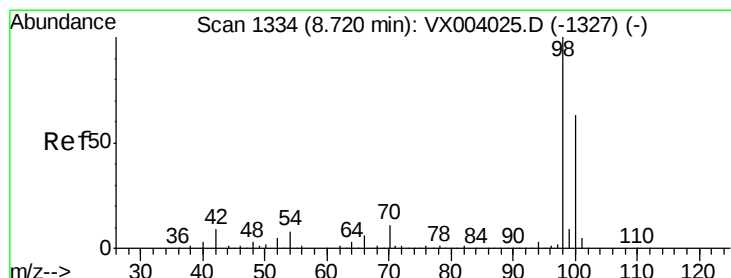
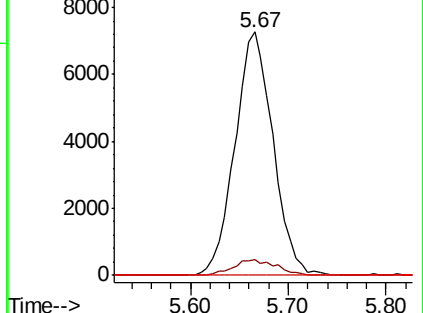
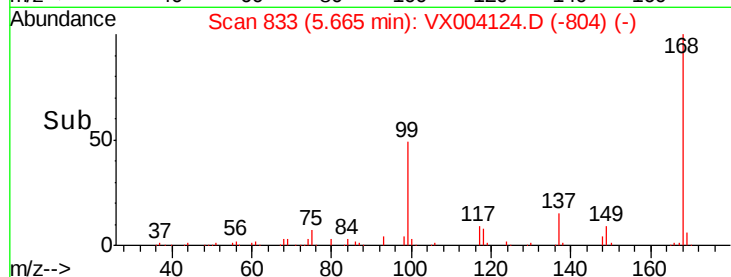
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 46.43 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004124.D

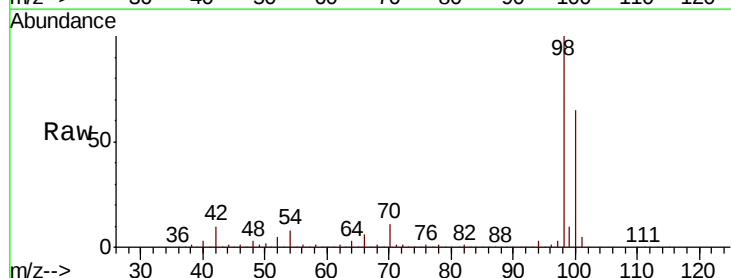
Acq: 17 Aug 2018 11:43

Tgt Ion: 98 Resp: 505511

Ion Ratio Lower Upper

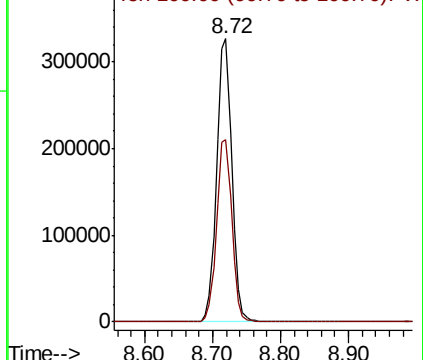
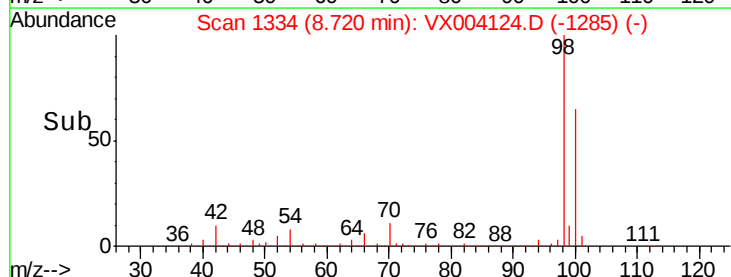
98 100

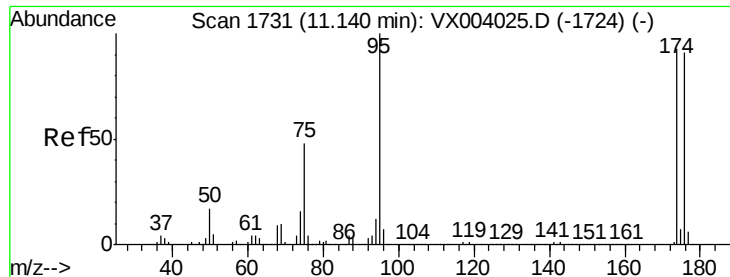
100 65.0 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

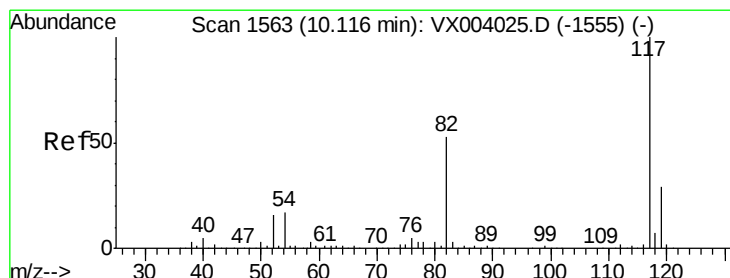
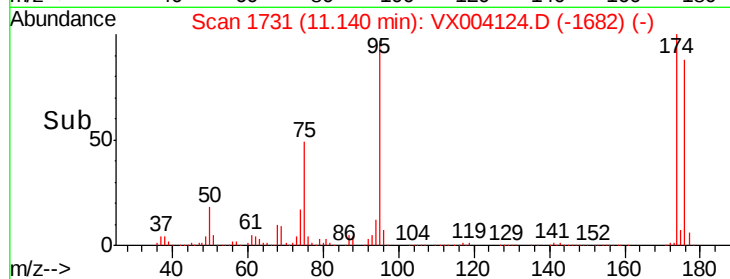
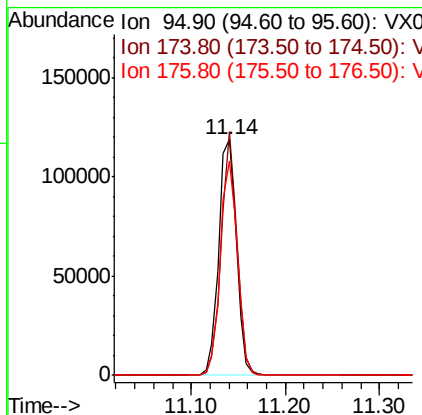
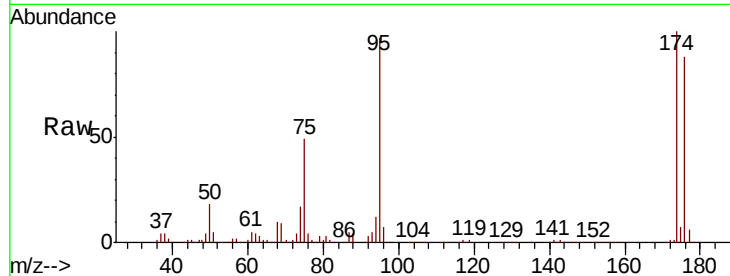




#62
4-Bromofluorobenzene
Concen: 39.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

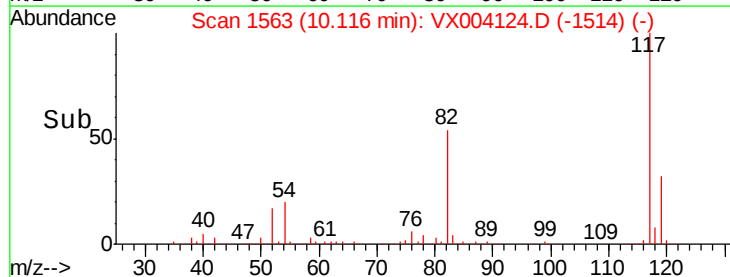
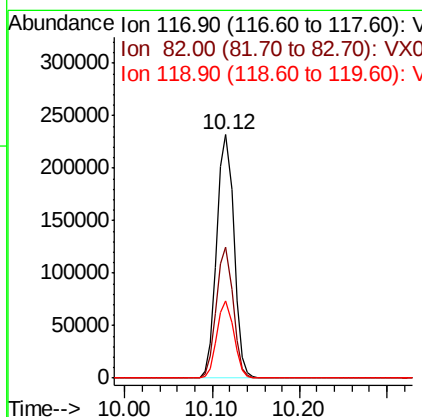
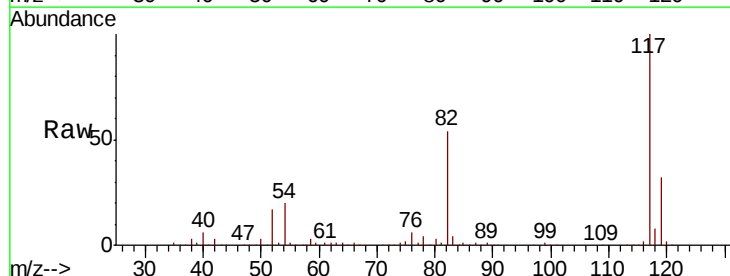
Instrument :
MSVOA_X
ClientSampleId :

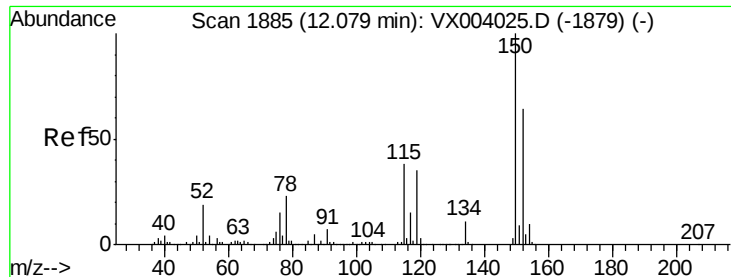
Tot Ion	95	Resp	155316
Ion Ratio	Lower	Upper	
95	100		
174	92.3	0.0	182.8
176	88.2	0.0	179.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004124.D
Acq: 17 Aug 2018 11:43

Tgt Ion	117	Resp	315998
Ion Ratio	Lower	Upper	
117	100		
82	53.8	45.4	68.0
119	31.5	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

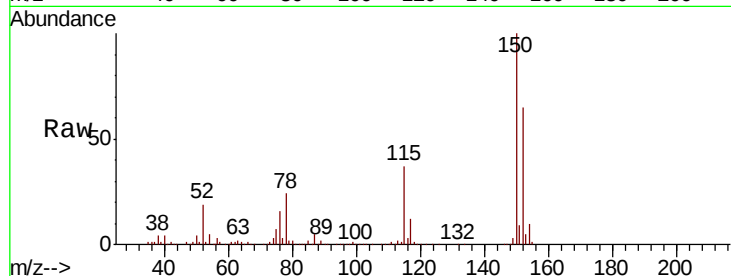
Tot Ion:152 Resp: 175209

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.3

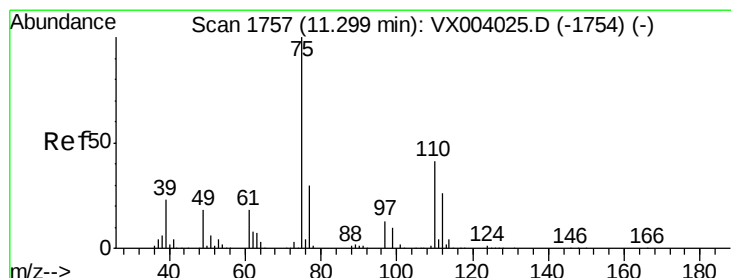
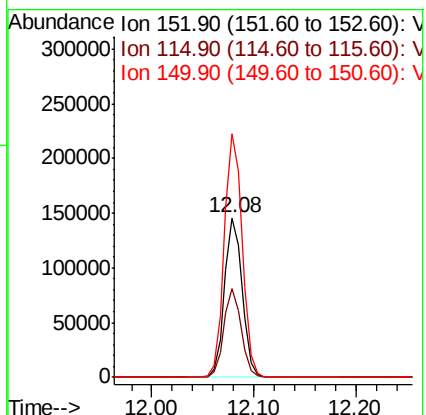
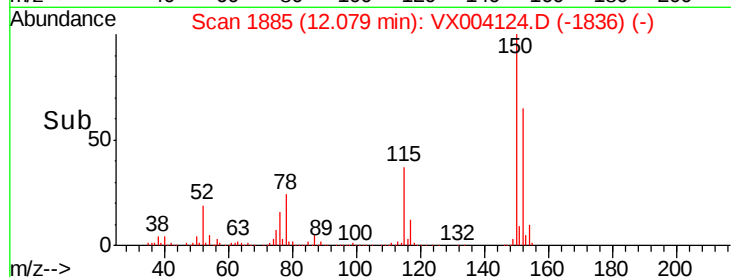
150 155.2 0.0 349.2



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: 21.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004124.D

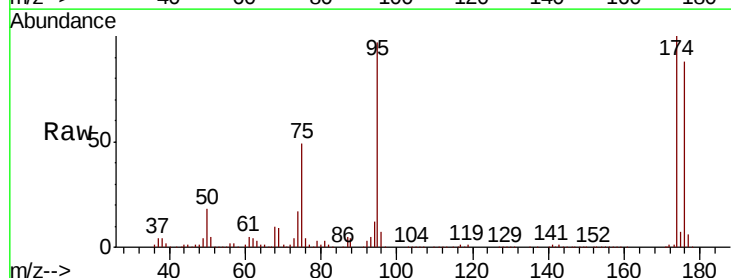
Acq: 17 Aug 2018 11:43

Tgt Ion: 75 Resp: 75250

Ion Ratio Lower Upper

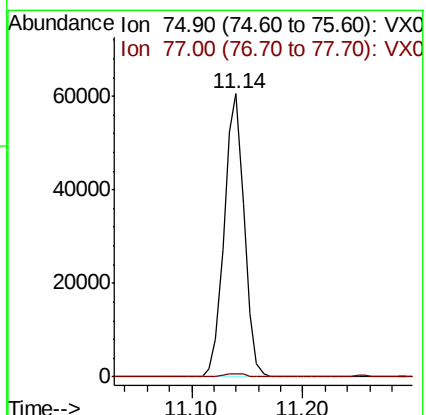
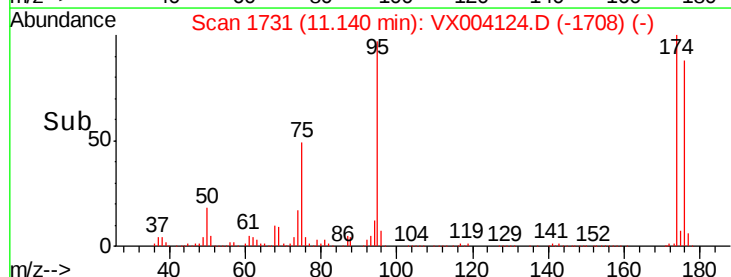
75 100

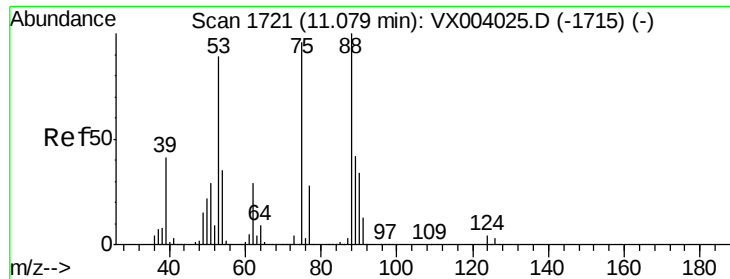
77 1.3 20.8 62.5#



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: 66.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

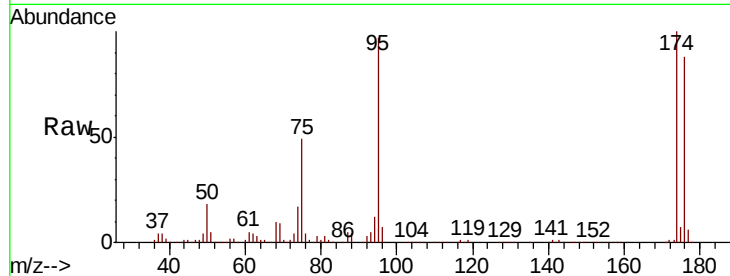
Tot Ion: 75 Resp: 75250

Ion Ratio Lower Upper

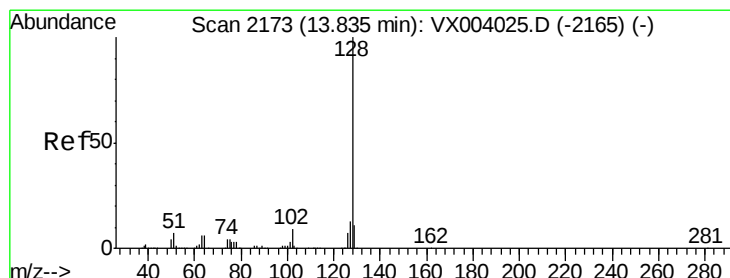
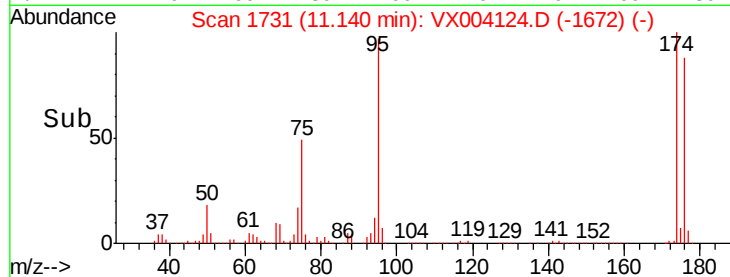
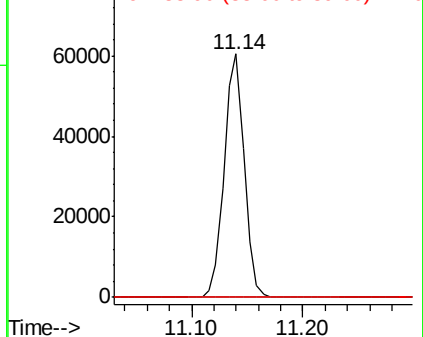
75 100

53 0.3 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



#95

Naphthalene

Concen: 1.22 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX004124.D

Acq: 17 Aug 2018 11:43

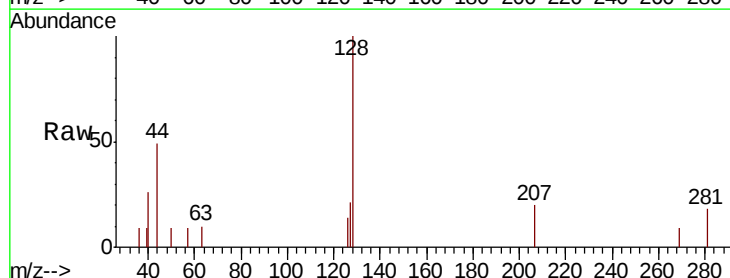
Tgt Ion: 128 Resp: 909

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 4.4 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

