

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081418\
 Data File : VX004047.D
 Acq On : 15 Aug 2018 00:22
 Operator : JC/MD
 Sample : VX0814WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL02

Quant Time: Aug 15 09:39:06 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	283801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	450839	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231754	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	209218	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	5.51	113	171500	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	8.72	98	642159	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
62) 4-Bromofluorobenzene	11.14	95	216037	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	

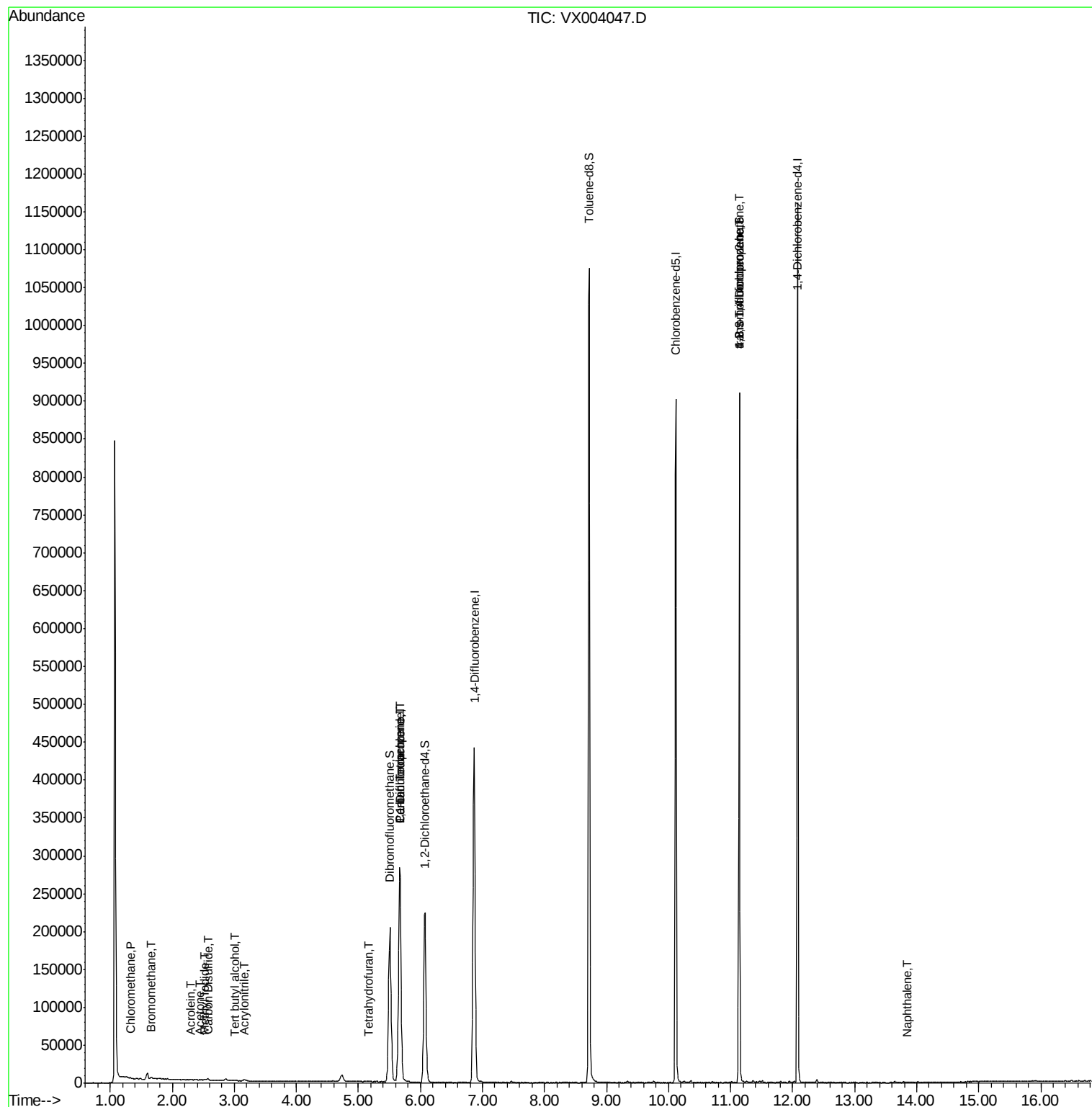
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	803	0.237	ug/l	96
5) Bromomethane	1.65	94	1388	0.570	ug/l	87
6) Chloroethane	1.65	64	3010	Below Cal	#	59
10) Methyl Iodide	2.53	142	1053	5.286	ug/l	95
11) Tert butyl alcohol	3.02	59	502	0.623	ug/l #	73
13) Acrolein	2.29	56	263	11.409	ug/l #	82
15) Acrylonitrile	3.15	53	578	0.288	ug/l #	78
16) Acetone	2.43	43	589	0.283	ug/l	89
17) Carbon Disulfide	2.57	76	2143	0.253	ug/l #	94
20) Methylene Chloride	2.86	84	885	Below Cal	#	91
29) Tetrahydrofuran	5.16	42	1150	0.665	ug/l #	55
36) 1,1-Dichloropropene	5.67	75	20051	3.908	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25921	5.200	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	107735	23.181	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	107735	71.756	ug/l #	9
95) Naphthalene	13.84	128	1021	1.206	ug/l #	93

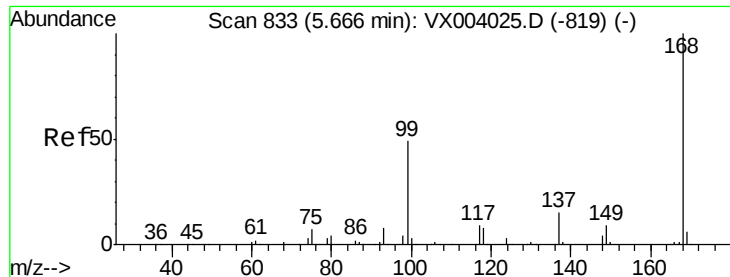
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

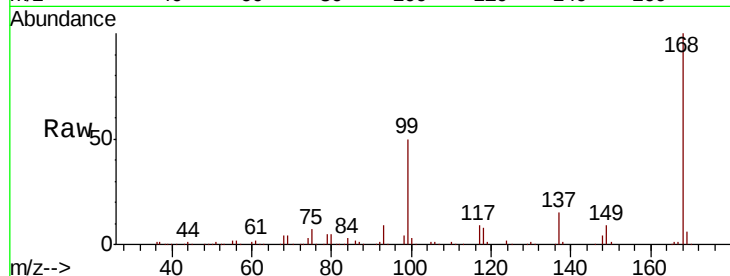
VX0814WBL02

Tgt Ion:168 Resp: 283801

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

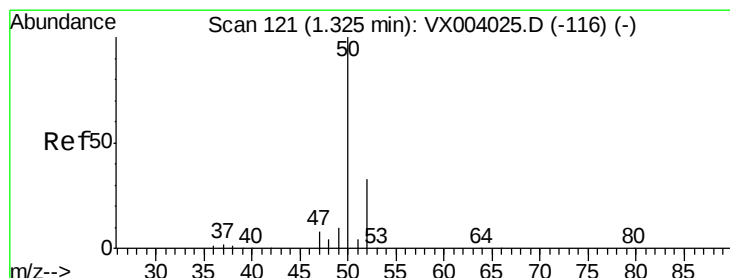
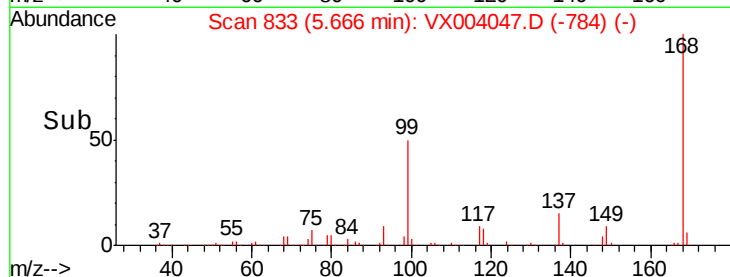
5.50

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004047.D

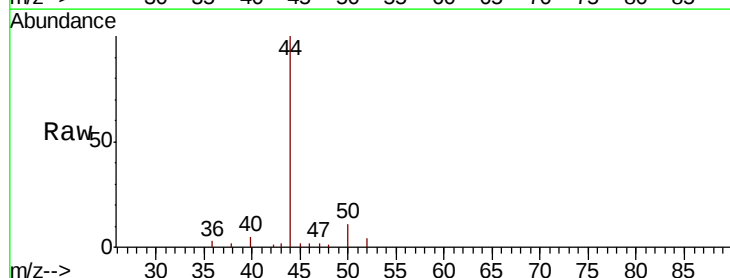
Acq: 15 Aug 2018 00:22

Tgt Ion: 50 Resp: 803

Ion Ratio Lower Upper

50 100

52 31.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

400

200

0

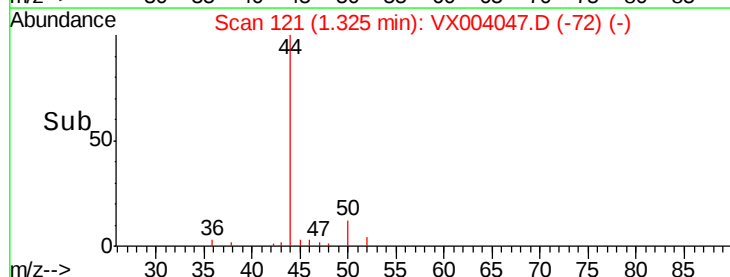
1.30

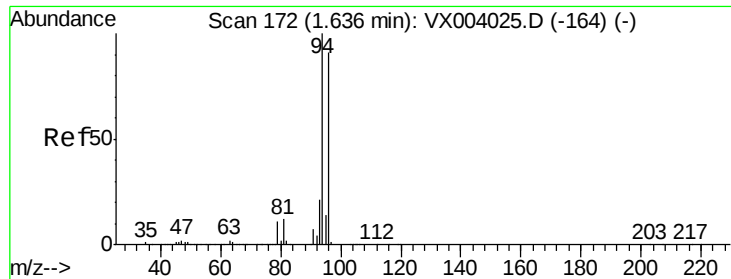
1.32

1.35

1.40

Time-->





#5

Bromomethane

Concen: 0.570 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

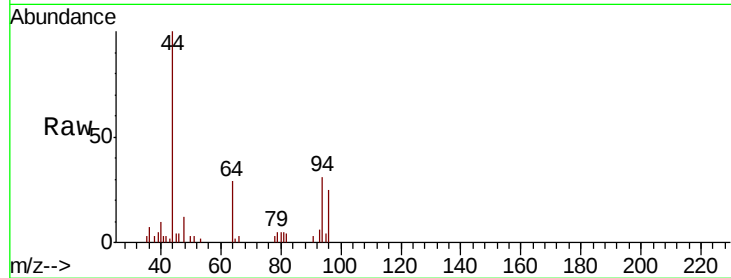
VX0814WBL02

Tgt Ion: 94 Resp: 1388

Ion Ratio Lower Upper

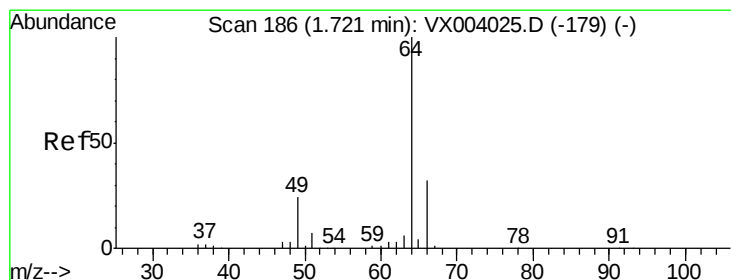
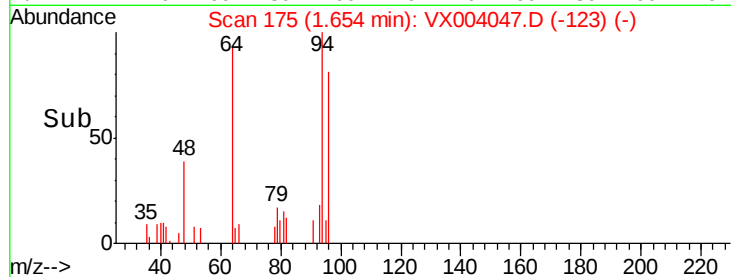
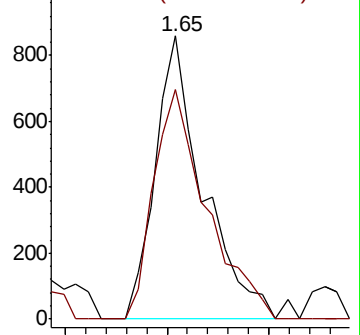
94 100

96 81.0 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: 1.65 min Scan# 175

Delta R.T. -0.07 min

Lab File: VX004047.D

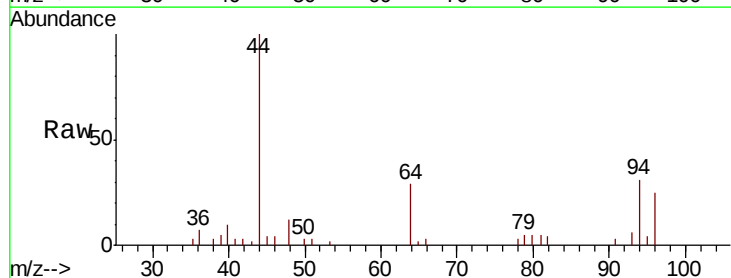
Acq: 15 Aug 2018 00:22

Tgt Ion: 64 Resp: 3010

Ion Ratio Lower Upper

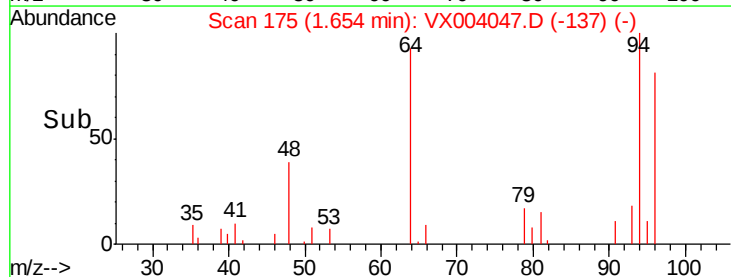
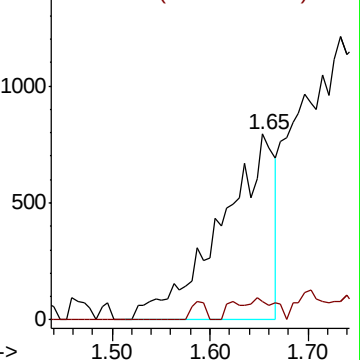
64 100

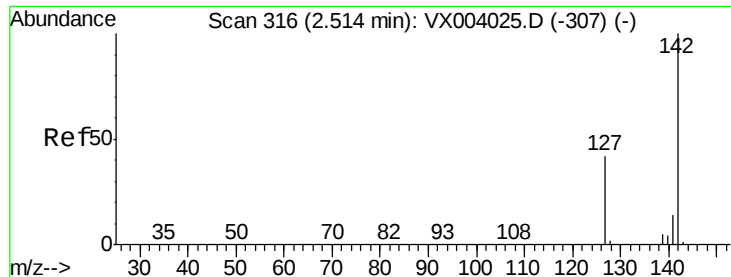
66 9.8 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

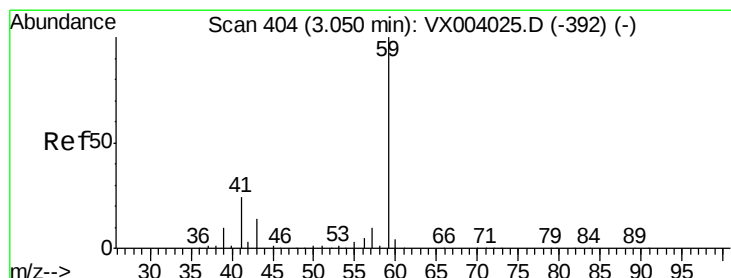
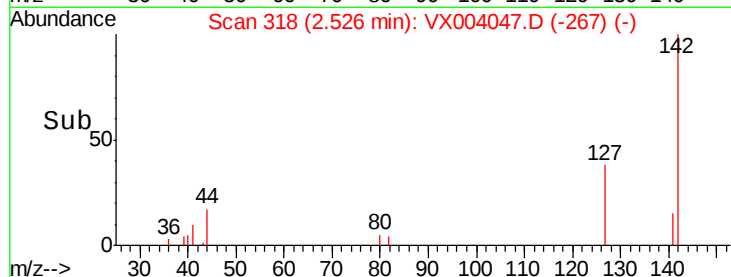
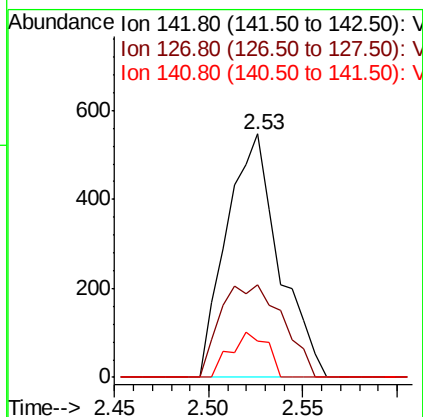
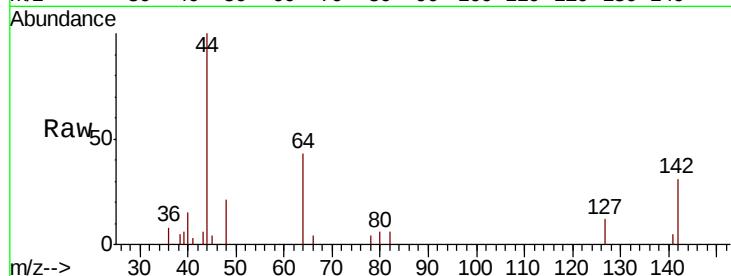




#10
Methyl Iodide
Concen: 5.286 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX004047.D
Acq: 15 Aug 2018 00:22

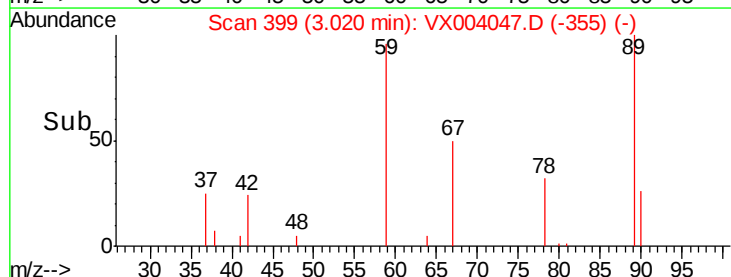
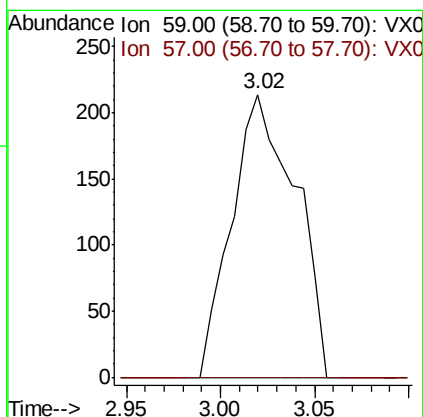
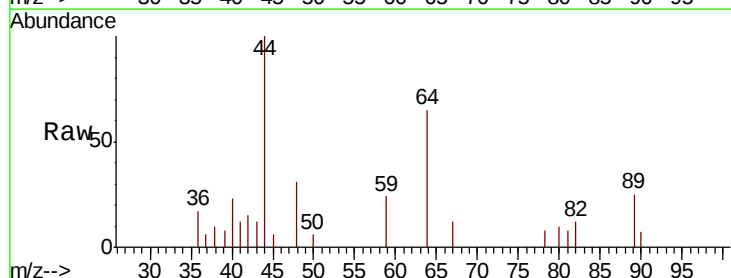
Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL02

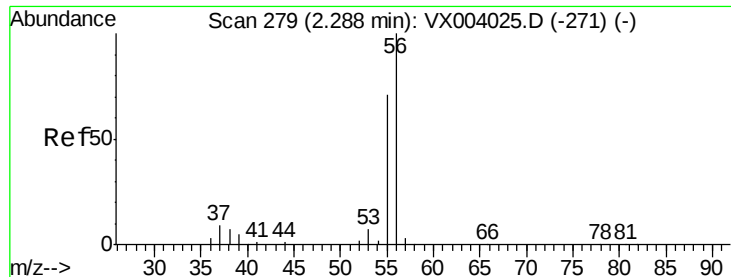
Tgt Ion: 142 Resp: 1053
Ion Ratio Lower Upper
142 100
127 45.6 33.1 49.7
141 13.2 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.623 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004047.D
Acq: 15 Aug 2018 00:22

Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 11.409 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

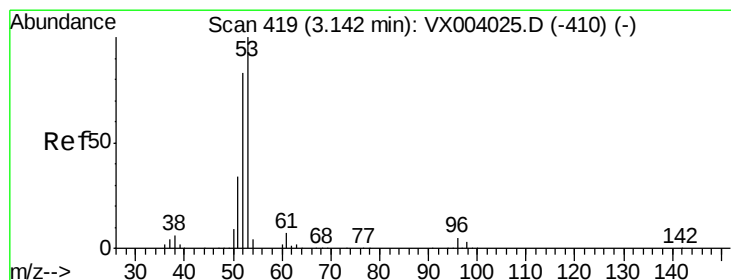
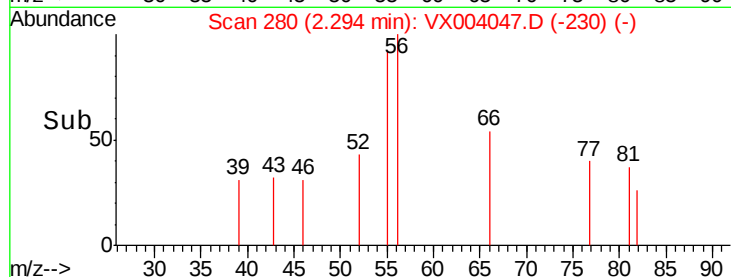
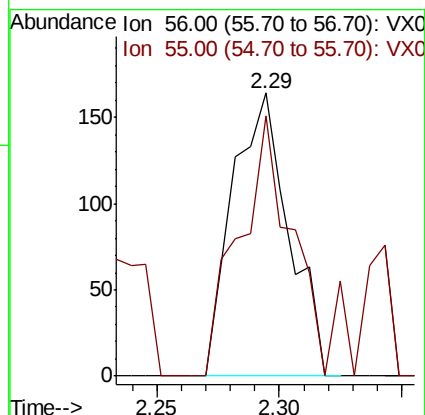
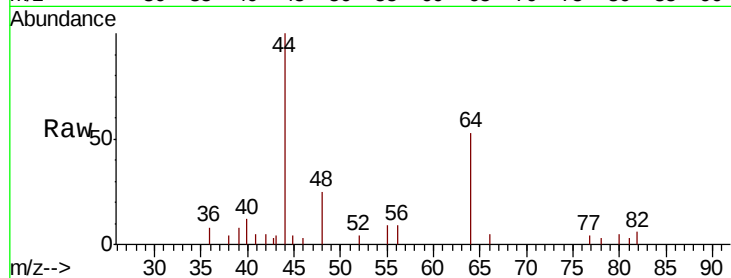
VX0814WBL02

Tgt Ion: 56 Resp: 263

Ion Ratio Lower Upper

56 100

55 85.2 56.1 84.1#



#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

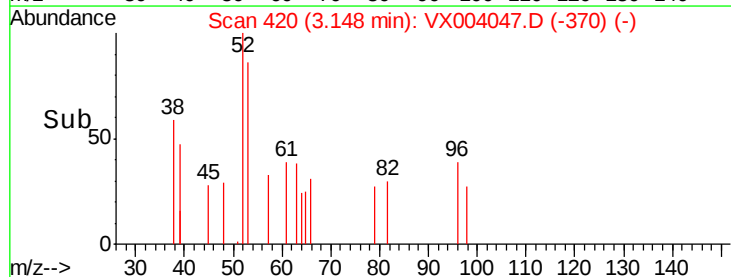
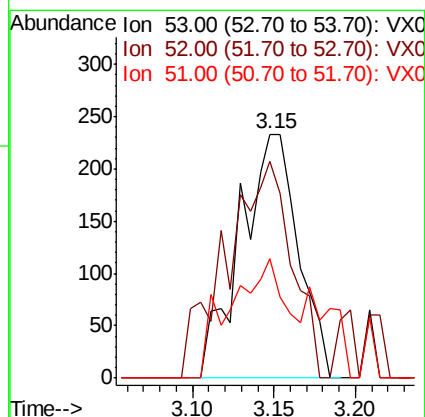
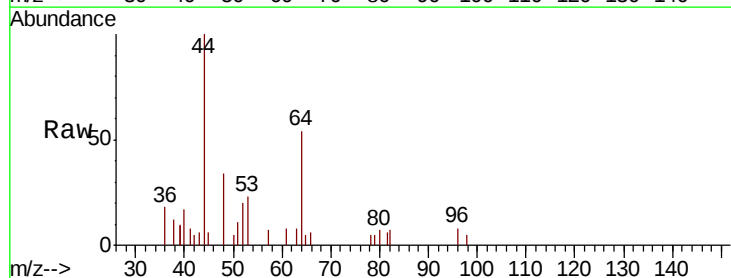
Tgt Ion: 53 Resp: 578

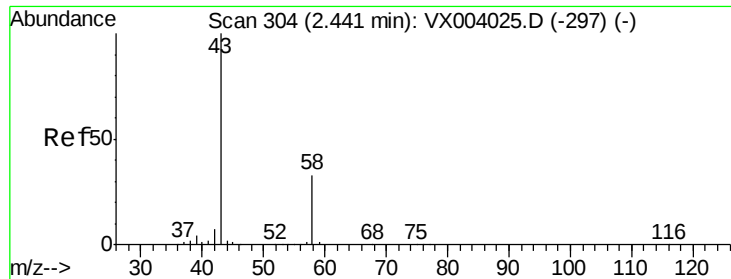
Ion Ratio Lower Upper

53 100

52 100.7 65.3 97.9#

51 48.4 27.9 41.9#





#16

Acetone

Concen: 0.283 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

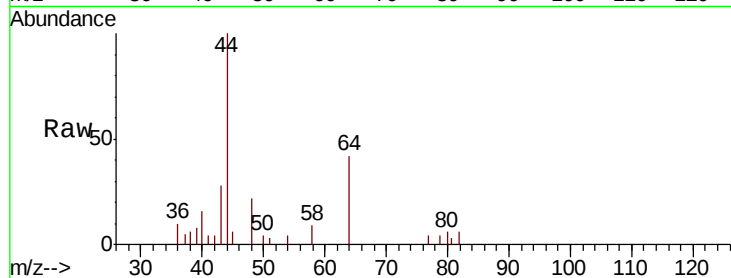
VX0814WBL02

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

58 39.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

400

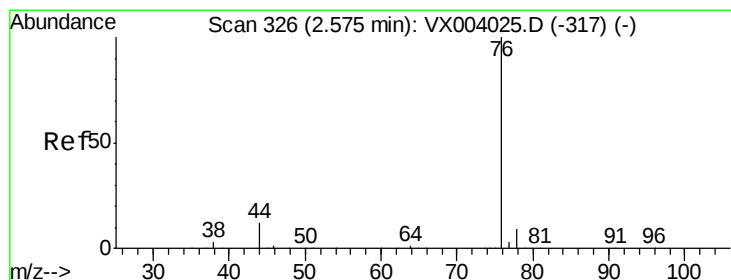
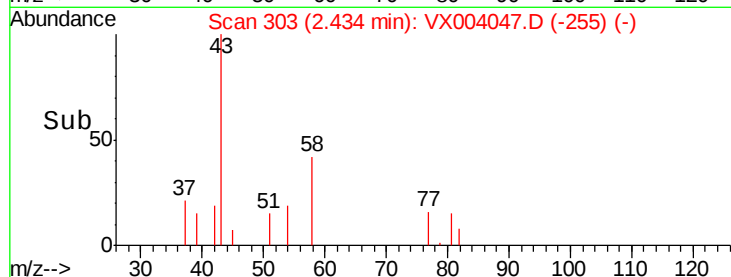
300

200

100

0

Time-->



#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.57 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX004047.D

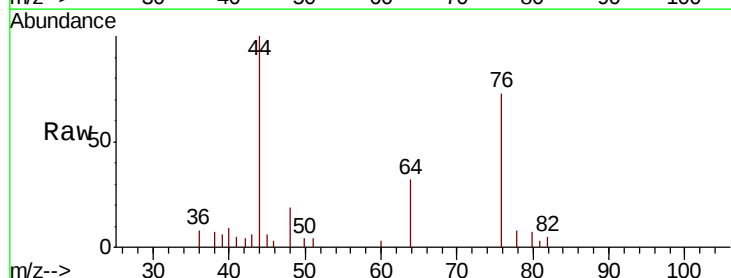
Acq: 15 Aug 2018 00:22

Tgt Ion: 76 Resp: 2143

Ion Ratio Lower Upper

76 100

78 11.6 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

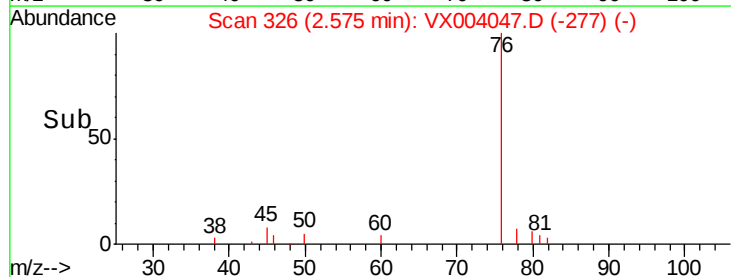
1500

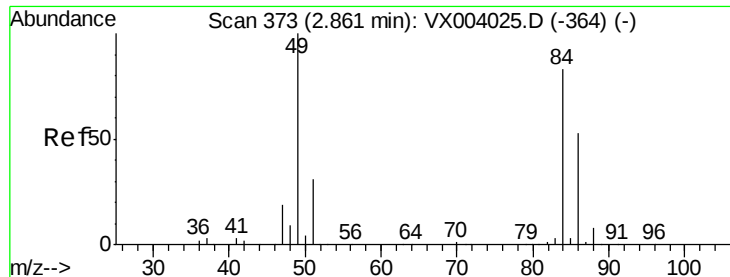
1000

500

0

Time-->

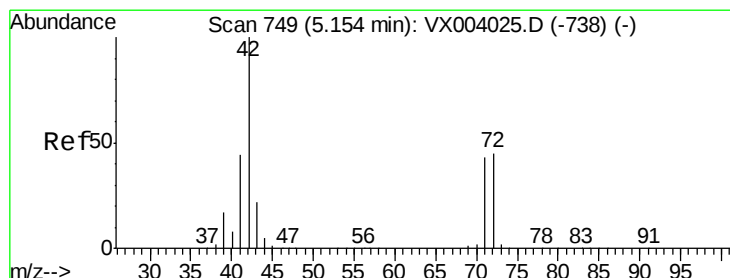
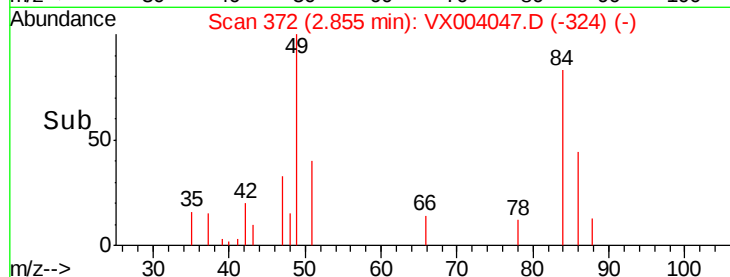
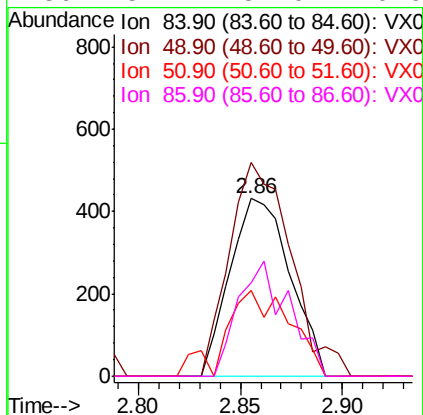
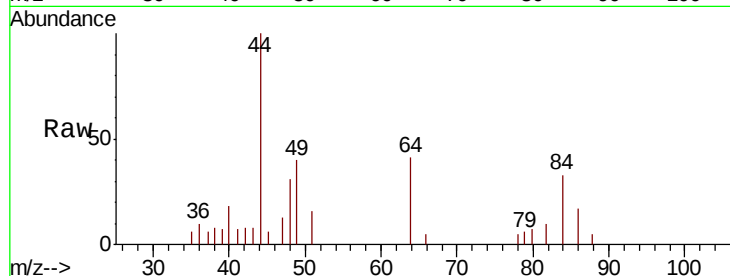




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004047.D
Acq: 15 Aug 2018 00:22

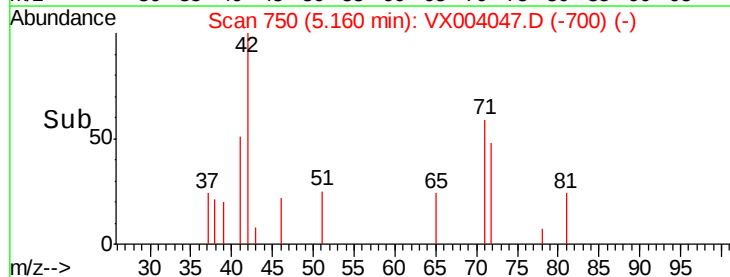
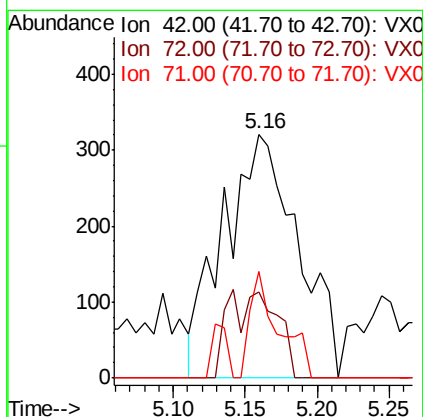
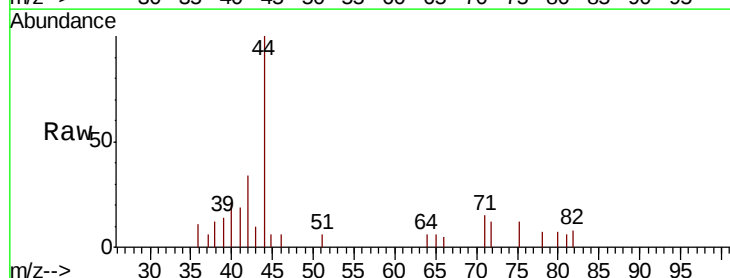
Instrument :
MSVOA_X
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VX0814WBL02

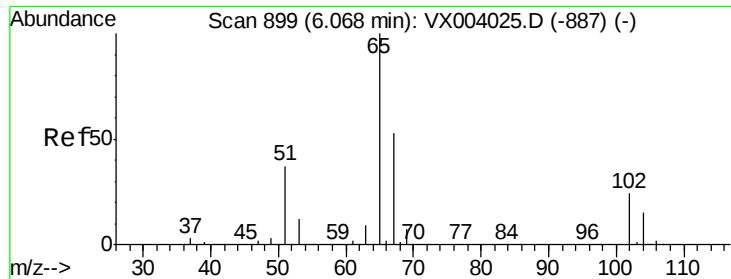
Tgt Ion: 84 Resp: 885
Ion Ratio Lower Upper
84 100
49 120.4 98.9 148.3
51 48.3 29.9 44.9#
86 52.7 51.0 76.6



#29
Tetrahydrofuran
Concen: 0.665 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004047.D
Acq: 15 Aug 2018 00:22

Tgt Ion: 42 Resp: 1150
Ion Ratio Lower Upper
42 100
72 14.8 37.7 56.5#
71 17.2 35.0 52.6#

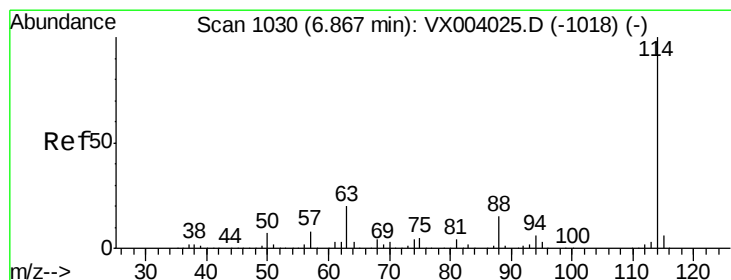
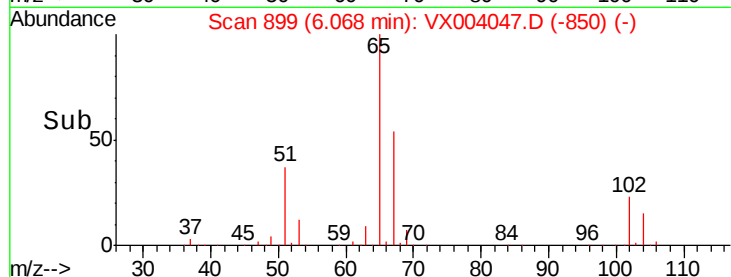
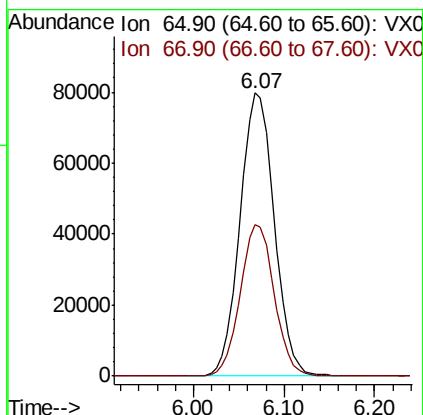
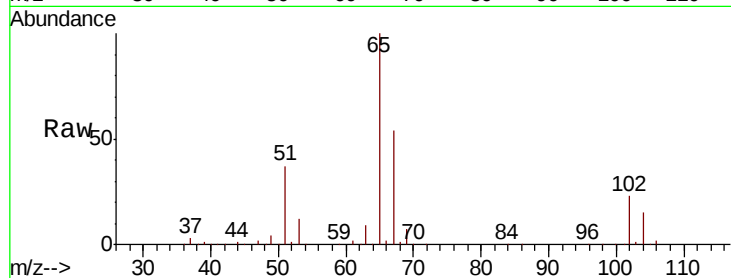




#33
 1,2-Dichloroethane-d4
 Concen: 52.323 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004047.D
 Acq: 15 Aug 2018 00:22

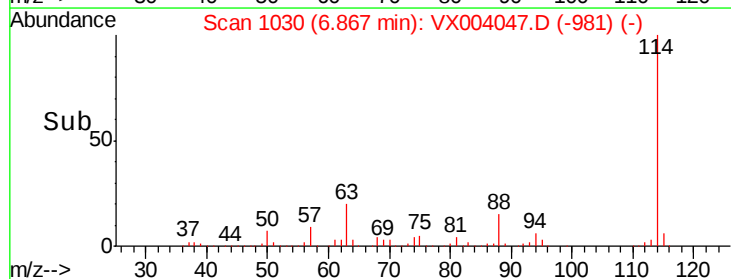
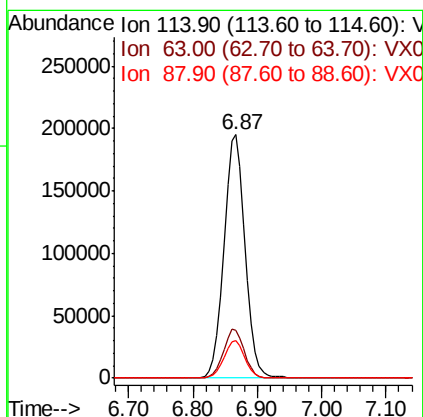
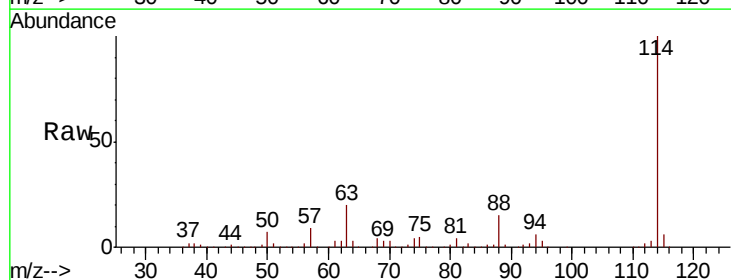
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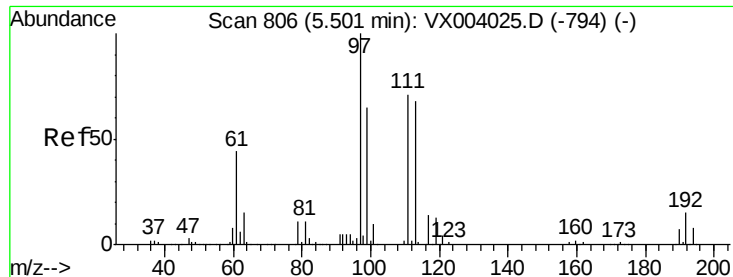
Tgt Ion: 65 Resp: 209218
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004047.D
 Acq: 15 Aug 2018 00:22

Tgt Ion: 114 Resp: 450839
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.2 0.0 32.0

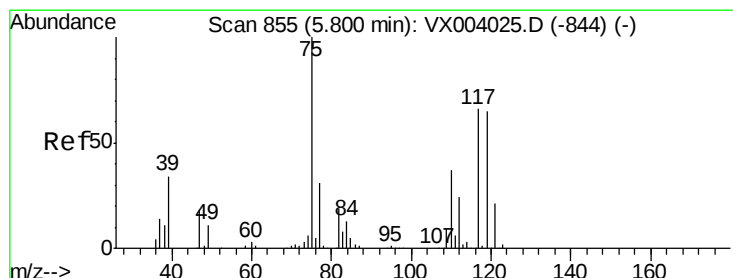
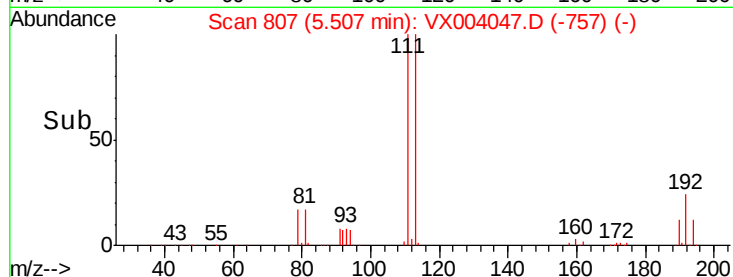
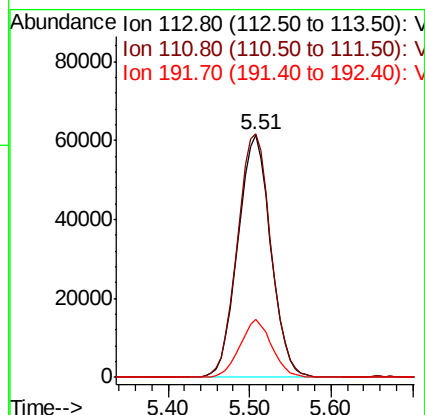
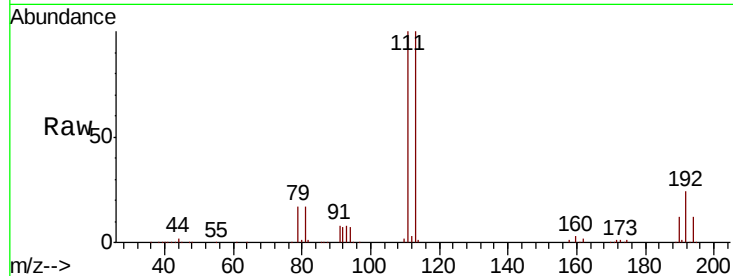




#35
 Dibromofluoromethane
 Concen: 50.827 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004047.D
 Acq: 15 Aug 2018 00:22

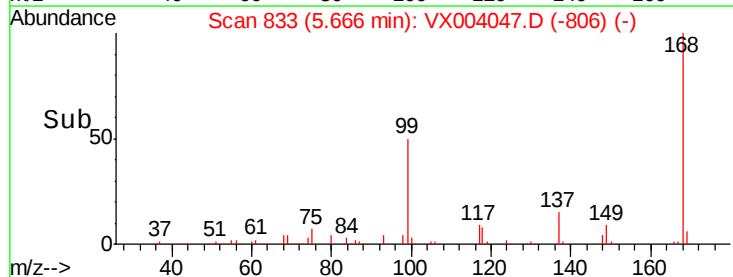
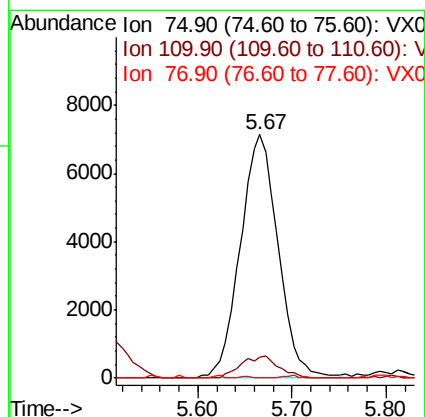
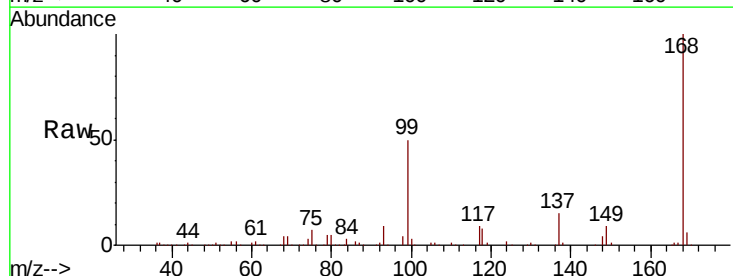
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBL02

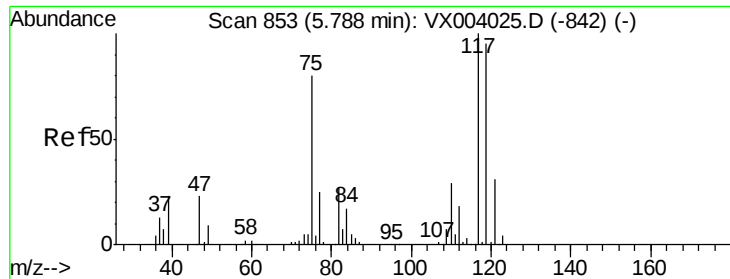
Tgt Ion:113 Resp: 171500
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 23.0 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.908 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004047.D
 Acq: 15 Aug 2018 00:22

Tgt Ion: 75 Resp: 20051
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.2 54.6#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.200 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL02

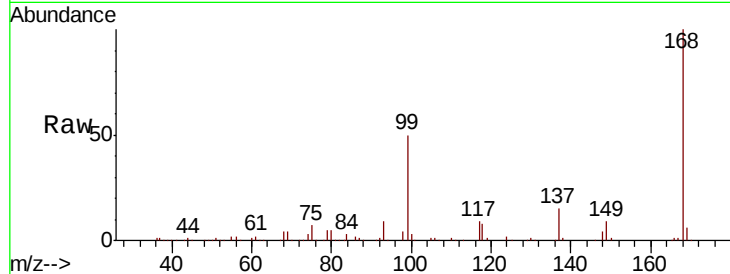
Tgt Ion:117 Resp: 25921

Ion Ratio Lower Upper

117 100

119 6.6 79.5 119.3#

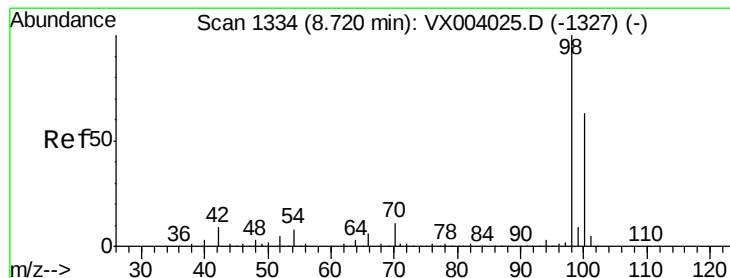
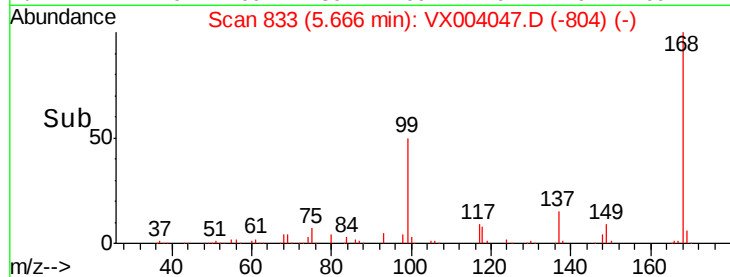
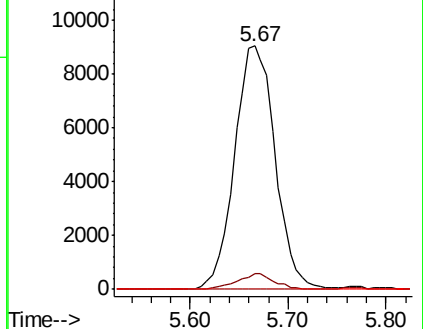
121 0.0 25.0 37.4#



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: 46.940 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004047.D

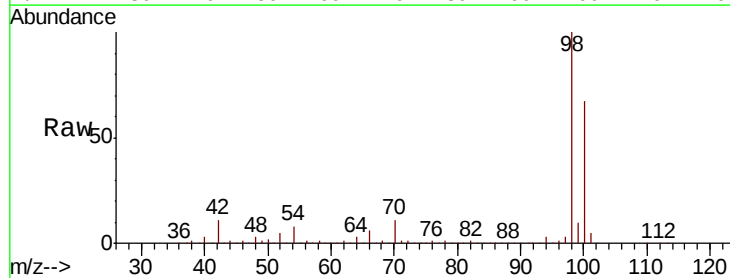
Acq: 15 Aug 2018 00:22

Tgt Ion: 98 Resp: 642159

Ion Ratio Lower Upper

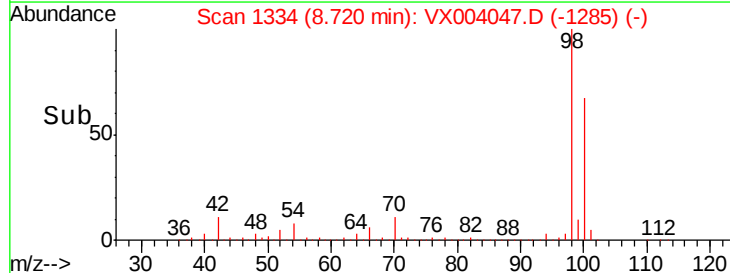
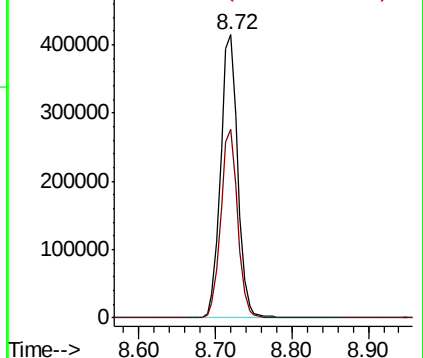
98 100

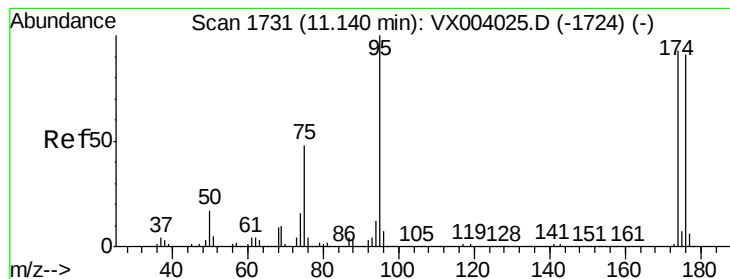
100 65.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.540 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL02

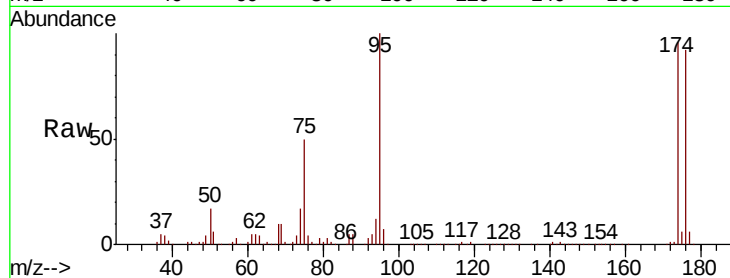
Tgt Ion: 95 Resp: 216037

Ion Ratio Lower Upper

95 100

174 94.2 0.0 182.8

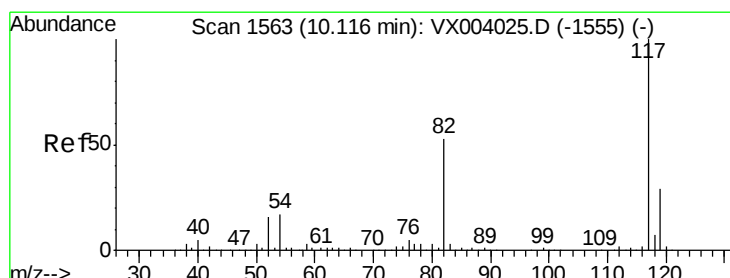
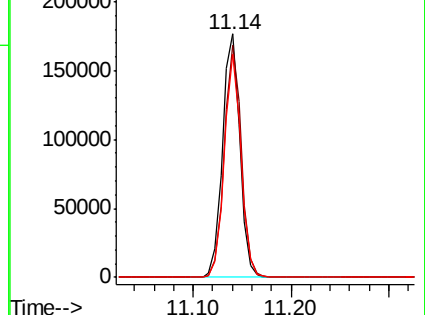
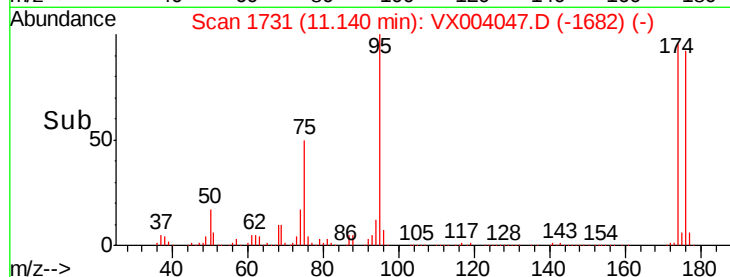
176 88.7 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX004047.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX004047.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX004047.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

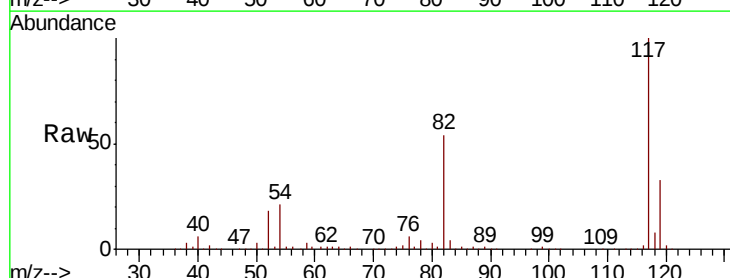
Tgt Ion: 117 Resp: 416074

Ion Ratio Lower Upper

117 100

82 54.0 45.4 68.0

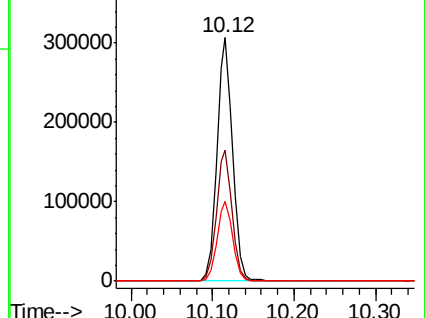
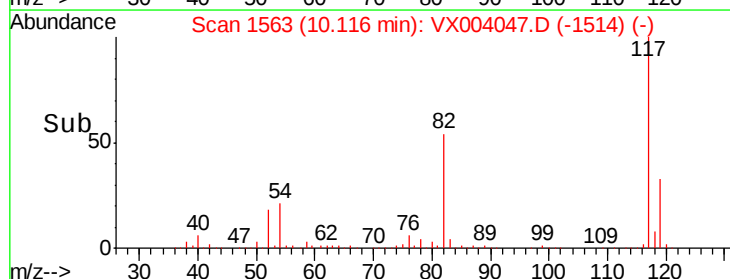
119 32.7 26.6 40.0

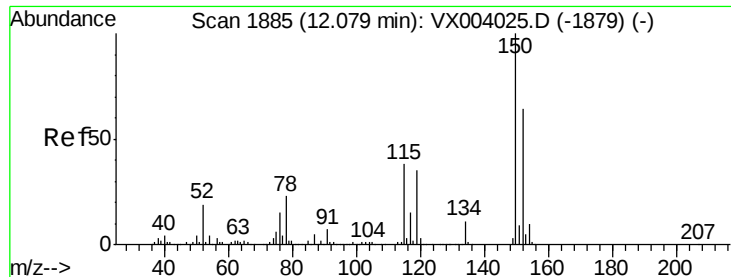


Abundance Ion 116.90 (116.60 to 117.60): VX004047.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX004047.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX004047.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampled :

VX0814WBL02

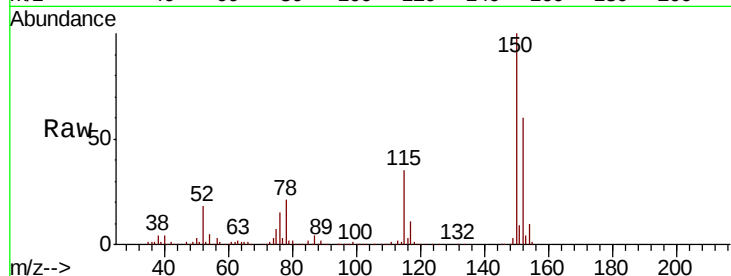
Tgt Ion:152 Resp: 231754

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.3

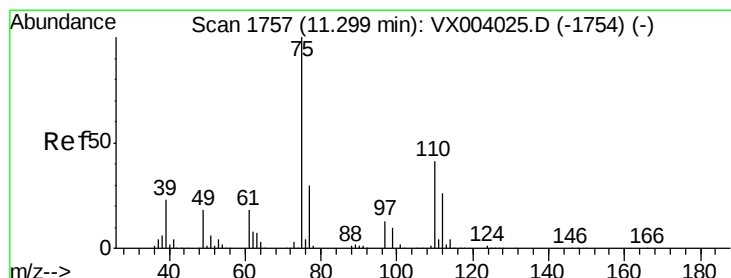
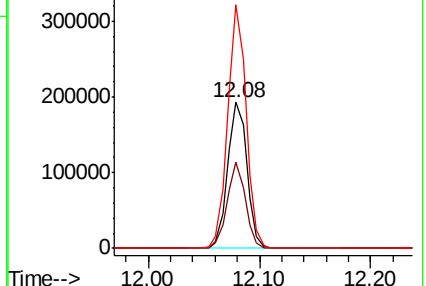
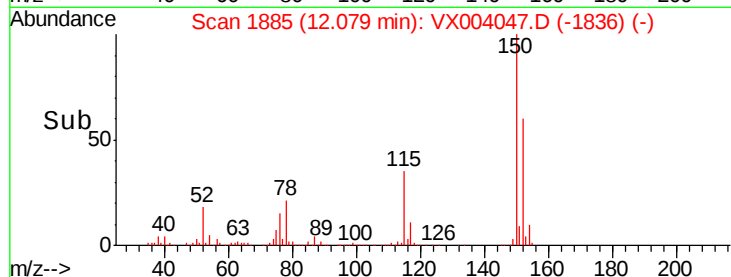
150 158.5 0.0 349.2



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: 23.181 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004047.D

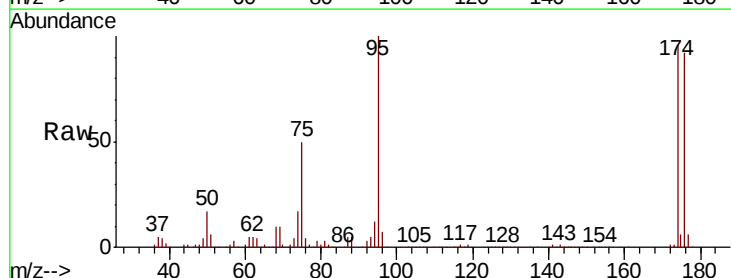
Acq: 15 Aug 2018 00:22

Tgt Ion: 75 Resp: 107735

Ion Ratio Lower Upper

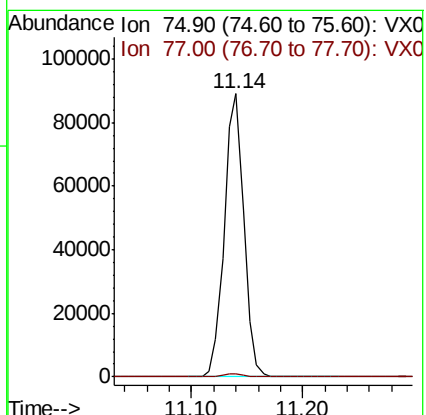
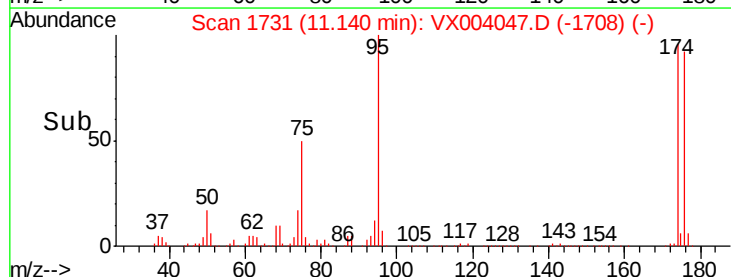
75 100

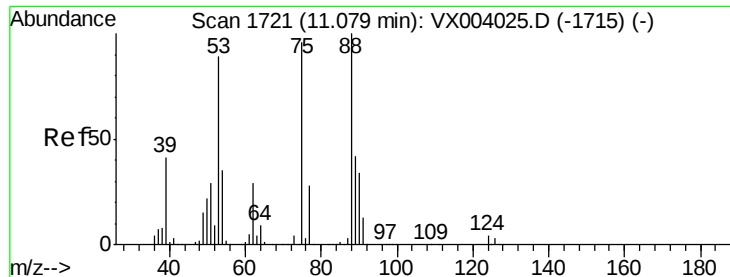
77 1.3 20.8 62.5#



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: 71.756 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

Instrument :

MSVOA_X

ClientSampleId :

VX0814WBL02

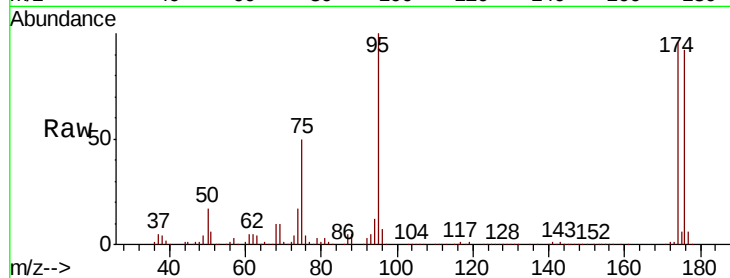
Tgt Ion: 75 Resp: 107735

Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

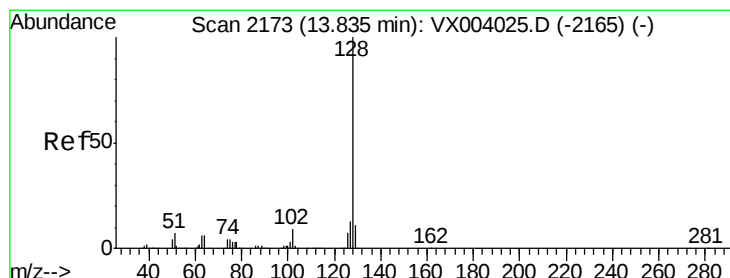
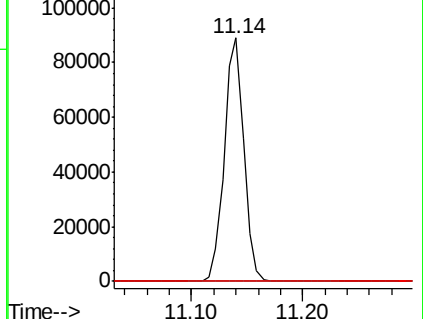
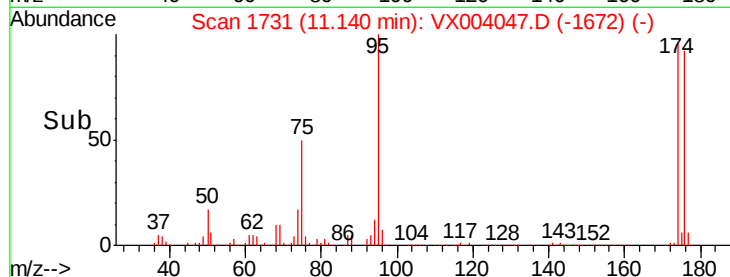
89 0.0 37.8 56.8#



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



#95

Naphthalene

Concen: 1.206 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX004047.D

Acq: 15 Aug 2018 00:22

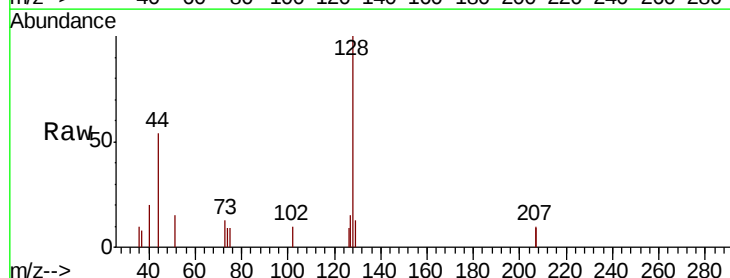
Tgt Ion: 128 Resp: 1021

Ion Ratio Lower Upper

128 100

127 8.9 10.2 15.2#

129 9.1 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

