

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004240.D
 Acq On : 24 Aug 2018 12:06
 Operator : JC/MD
 Sample : VX0824WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBL01

Quant Time: Aug 25 00:26:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	326919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	506575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	475036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224577	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	215860	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.50	113	189850	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	8.71	98	706637	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.14	95	232097	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

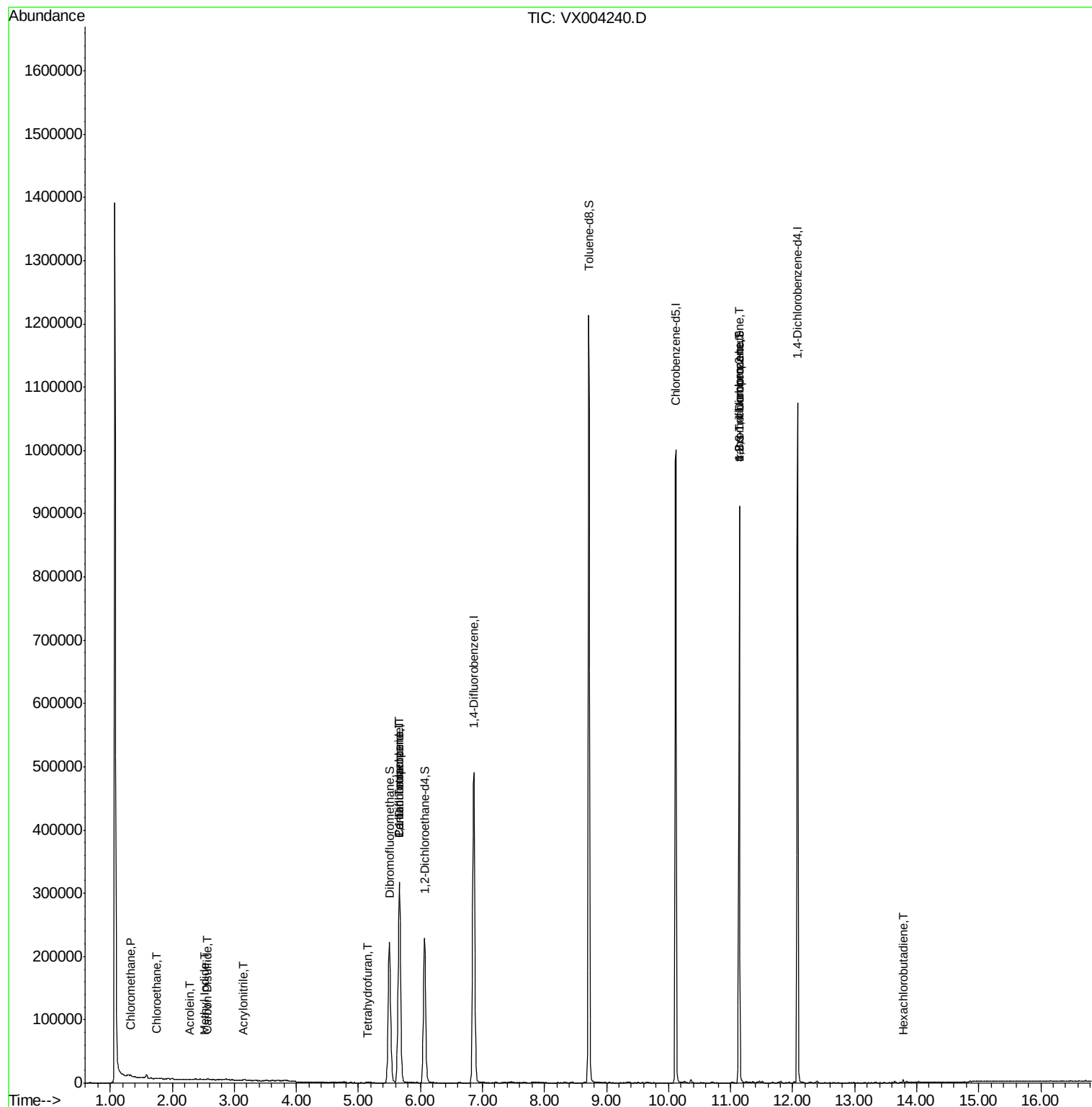
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	842	0.49	ug/l	# 70
5) Bromomethane	1.65	94	742	Below	Cal	87
6) Chloroethane	1.75	64	413	1.09	ug/l	# 44
10) Methyl Iodide	2.51	142	635	4.40	ug/l	# 93
13) Acrolein	2.29	56	368	1.68	ug/l	# 71
15) Acrylonitrile	3.14	53	778	0.35	ug/l	# 71
16) Acetone	2.44	43	796	Below	Cal	91
17) Carbon Disulfide	2.57	76	2551	1.06	ug/l	97
25) 2-Butanone	4.70	43	290	Below	Cal	# 47
29) Tetrahydrofuran	5.15	42	948	0.52	ug/l	# 71
36) 1,1-Dichloropropene	5.66	75	21484	3.77	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	28201	5.26	ug/l	# 14
76) 1,2,3-Trichloropropane	11.14	75	110251	24.14	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	110251	78.32	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	818	0.20	ug/l	87

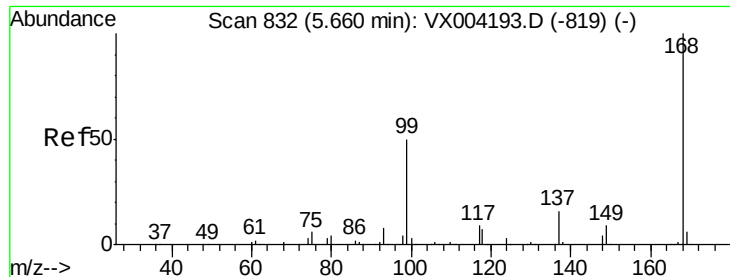
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

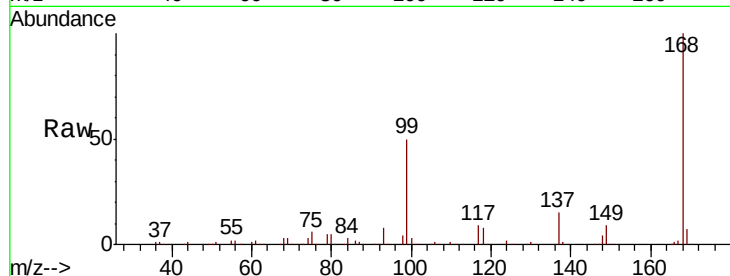
VX0824WBL01

Tot Ion:168 Resp: 326919

Ion Ratio Lower Upper

168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

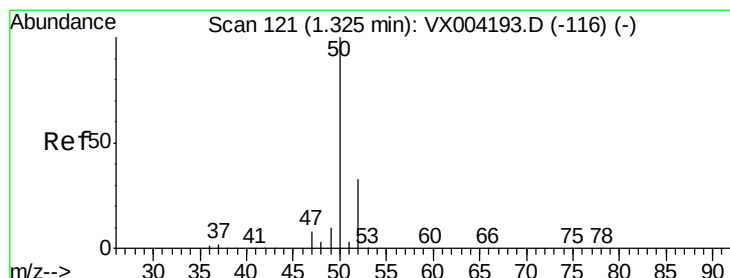
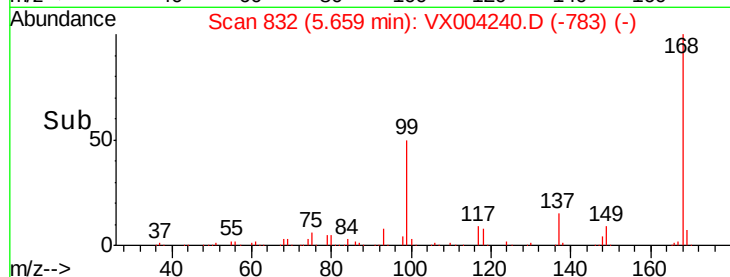
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.49 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004240.D

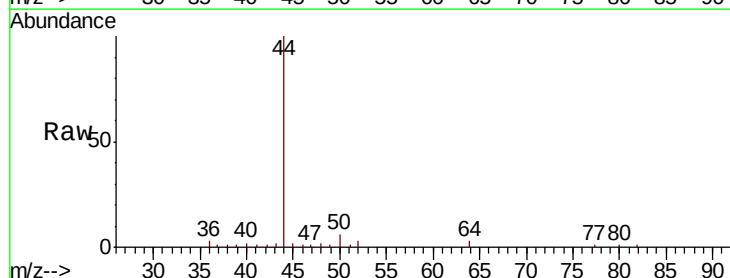
Acq: 24 Aug 2018 12:06

Tgt Ion: 50 Resp: 842

Ion Ratio Lower Upper

50 100

52 49.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

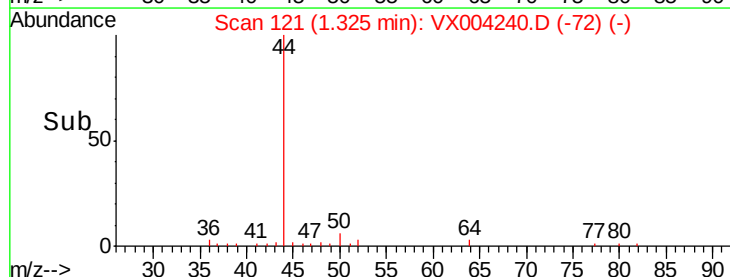
400

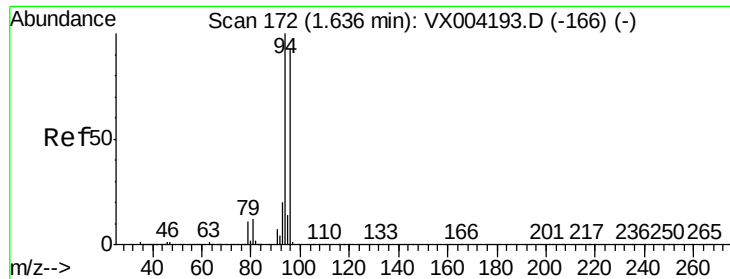
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

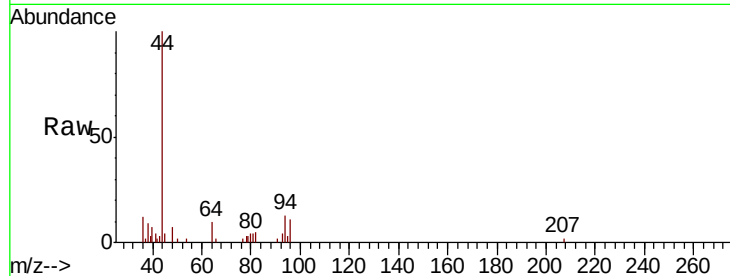
VX0824WBL01

Tot Ion: 94 Resp: 742

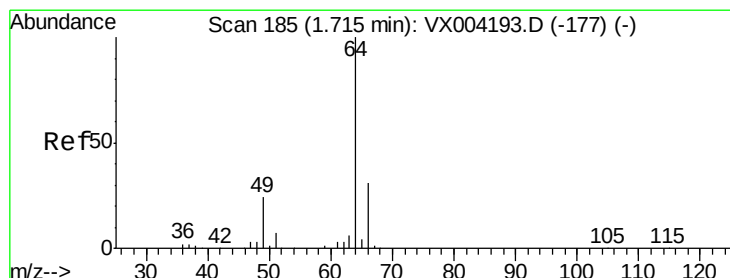
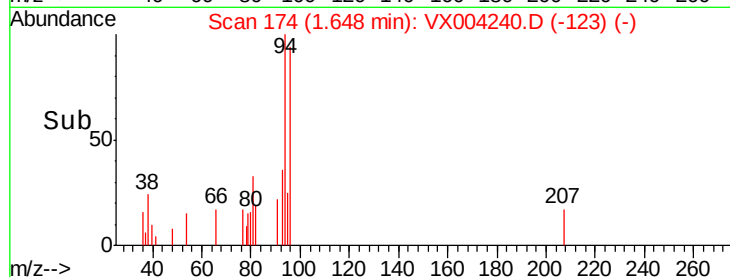
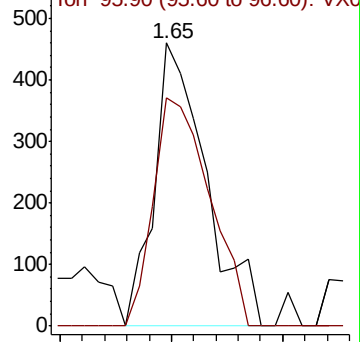
Ion Ratio Lower Upper

94 100

96 80.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 1.09 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.03 min

Lab File: VX004240.D

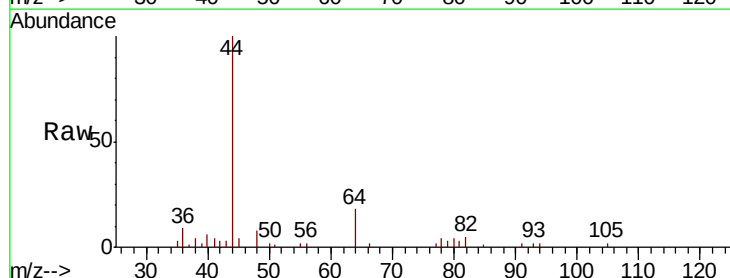
Acq: 24 Aug 2018 12:06

Tgt Ion: 64 Resp: 413

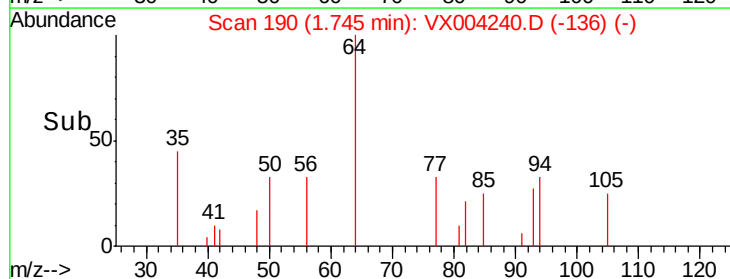
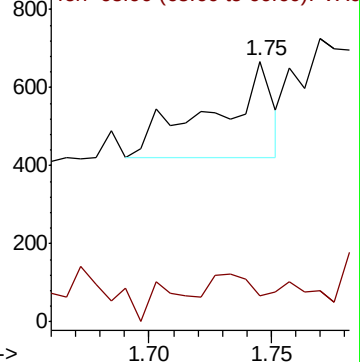
Ion Ratio Lower Upper

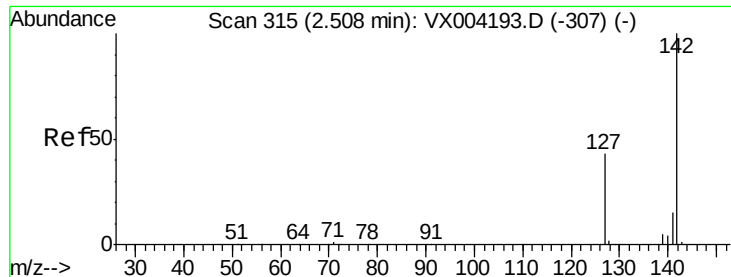
64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

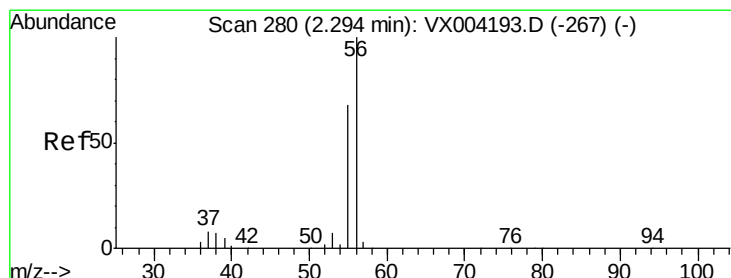
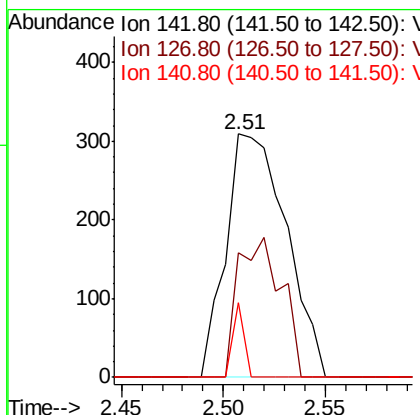
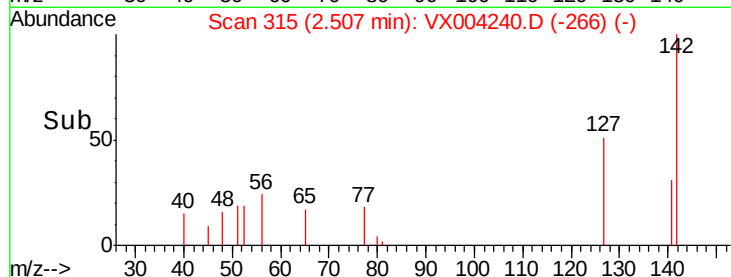
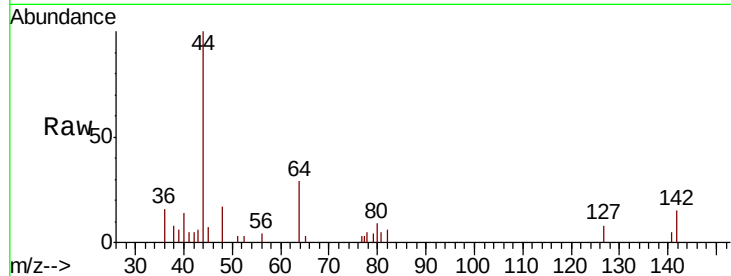




#10
Methvl Iodide
Concen: 4.40 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

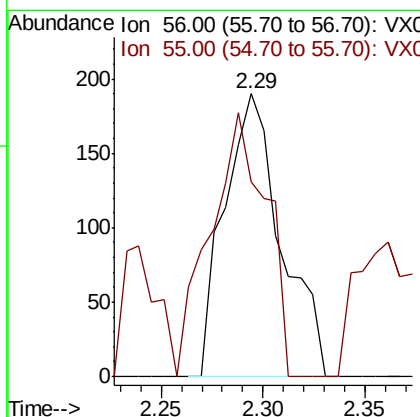
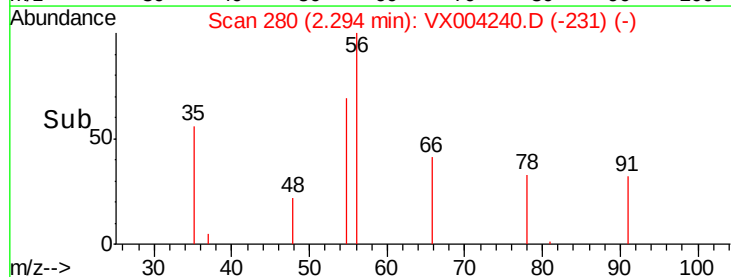
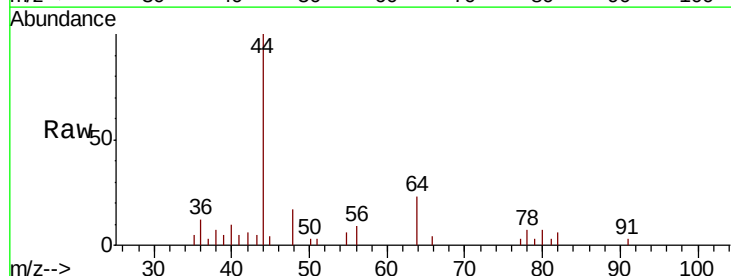
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBL01

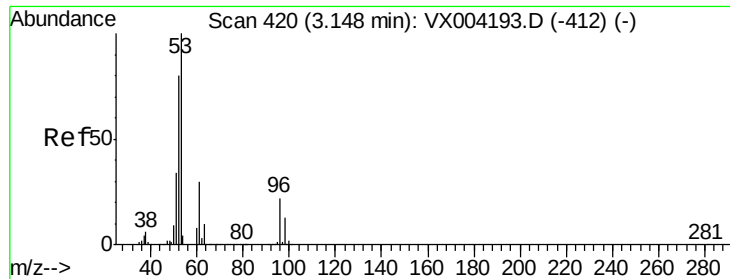
Tot Ion:142 Resp: 635
Ion Ratio Lower Upper
142 100
127 41.1 33.8 50.6
141 5.5 11.4 17.0#



#13
Acrolein
Concen: 1.68 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 91.6 54.7 82.1#

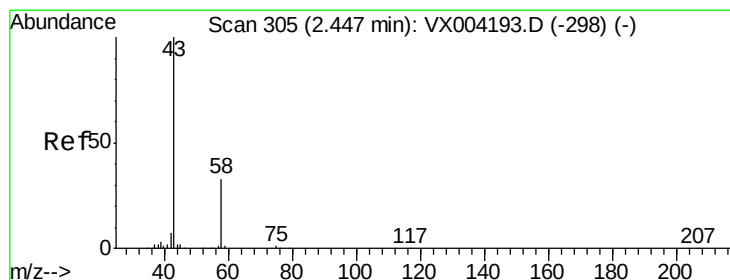
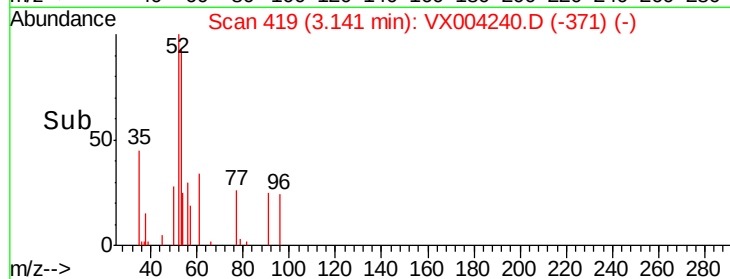
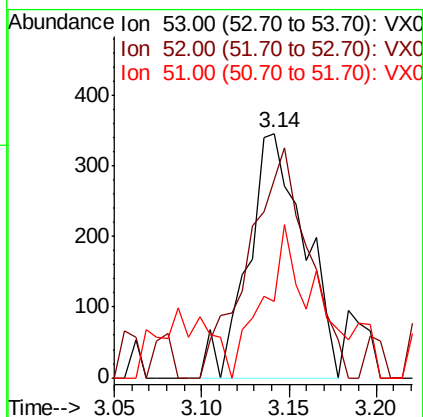
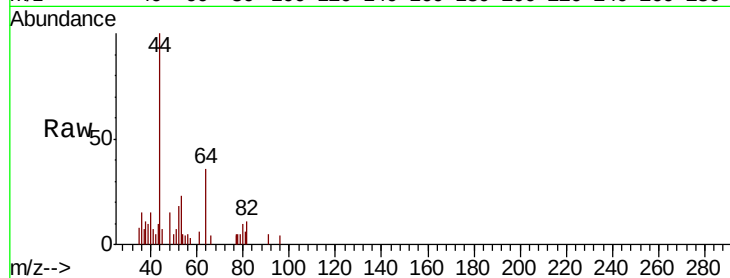




#15
 Acrylonitrile
 Concen: 0.35 ug/l
 RT: 3.14 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

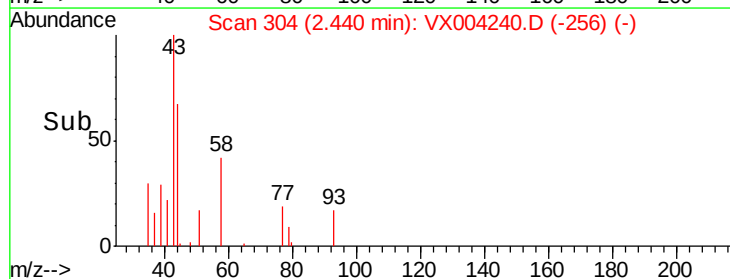
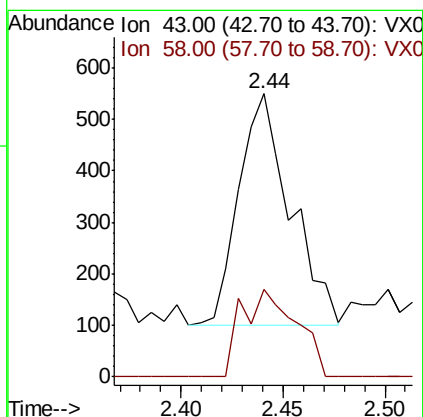
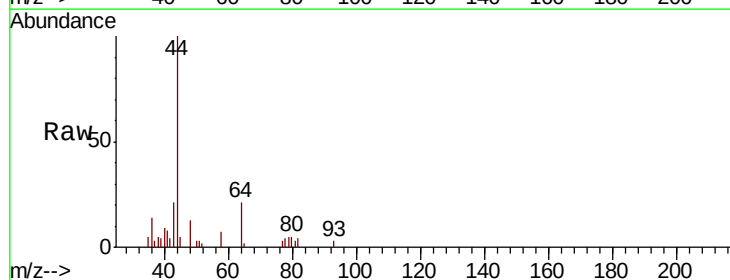
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBL01

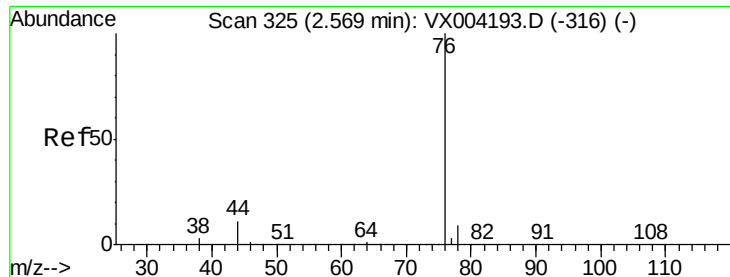
Tot Ion: 53 Resp: 778
 Ion Ratio Lower Upper
 53 100
 52 100.0 65.2 97.8#
 51 62.7 28.2 42.2#



#16
 Acetone
 Concen: Below Cal
 RT: 2.44 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

Tgt Ion: 43 Resp: 796
 Ion Ratio Lower Upper
 43 100
 58 37.7 26.2 39.4





#17

Carbon Disulfide

Concen: 1.06 ua/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

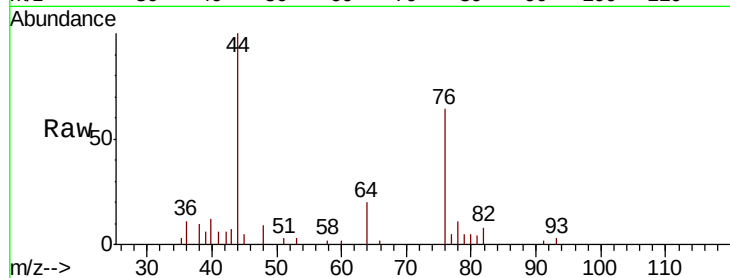
VX0824WBL01

Tot Ion: 76 Resp: 2551

Ion Ratio Lower Upper

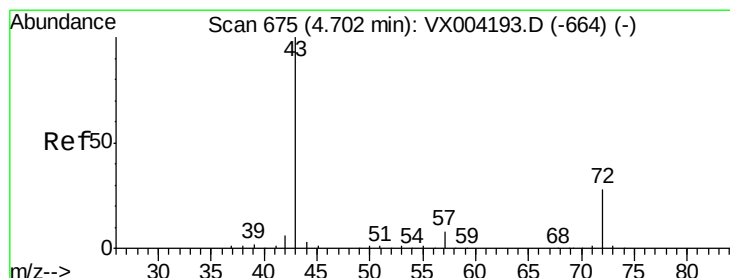
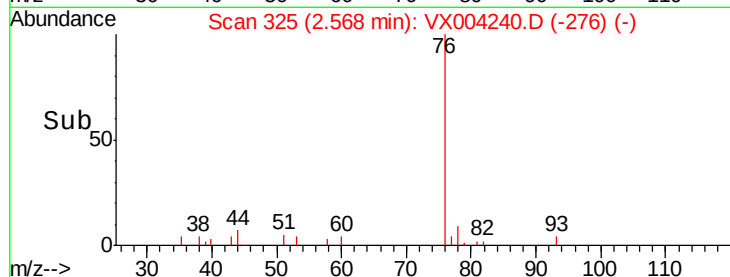
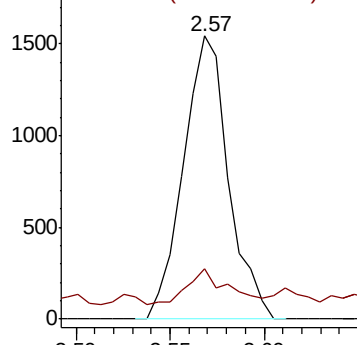
76 100

78 10.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004240.D

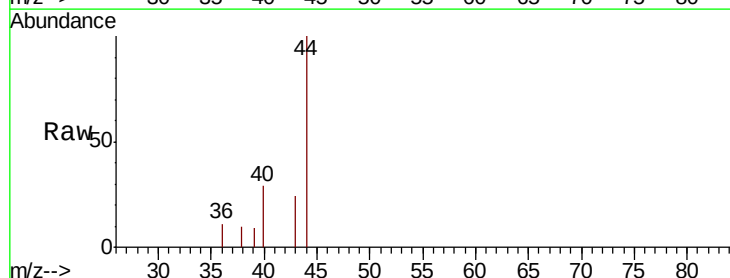
Acq: 24 Aug 2018 12:06

Tgt Ion: 43 Resp: 290

Ion Ratio Lower Upper

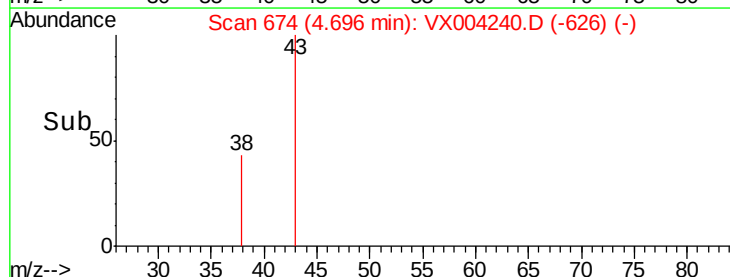
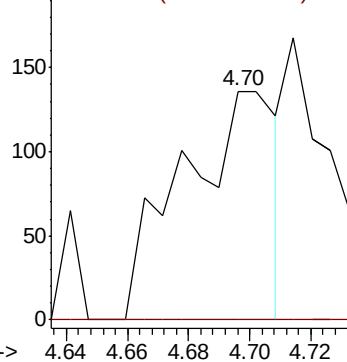
43 100

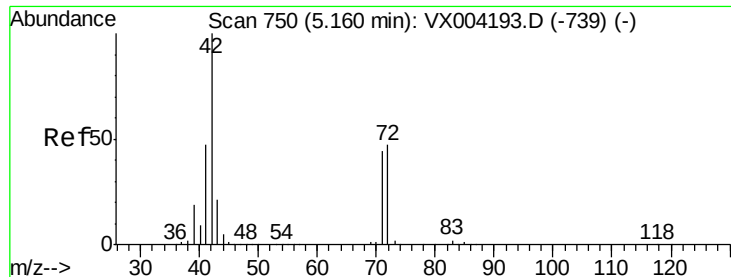
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

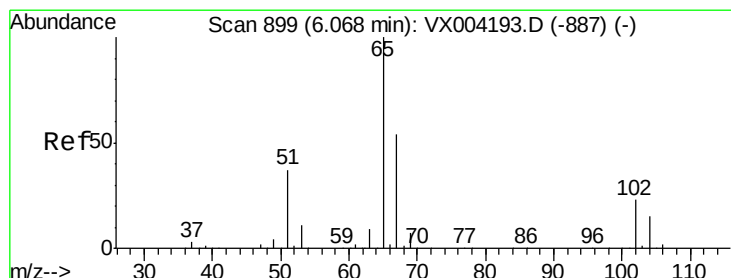
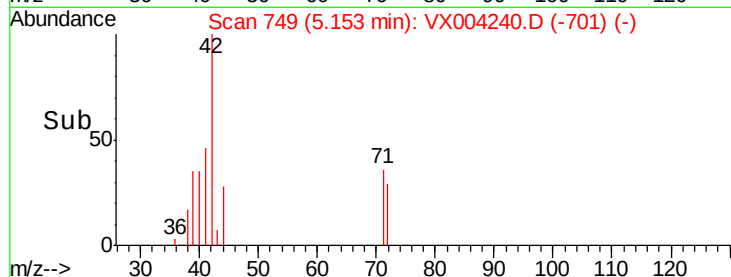
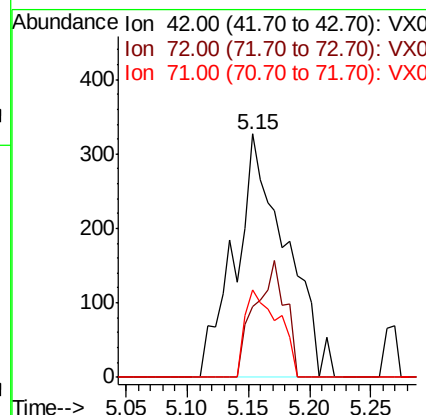
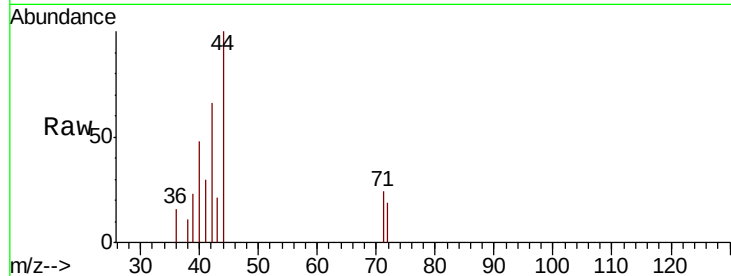




#29
Tetrahydrofuran
Concen: 0.52 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

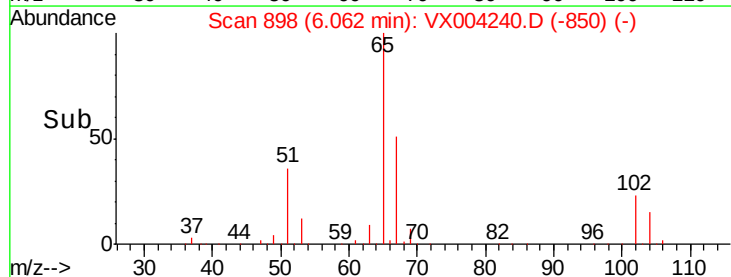
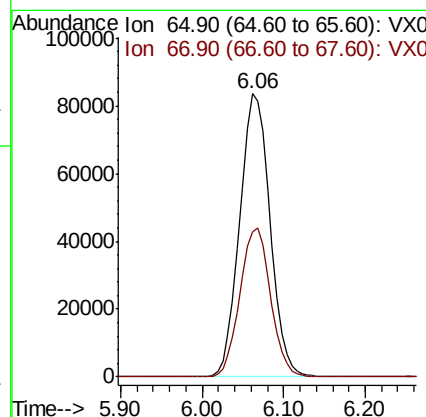
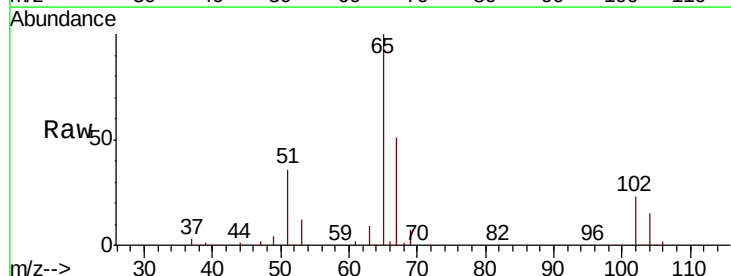
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBL01

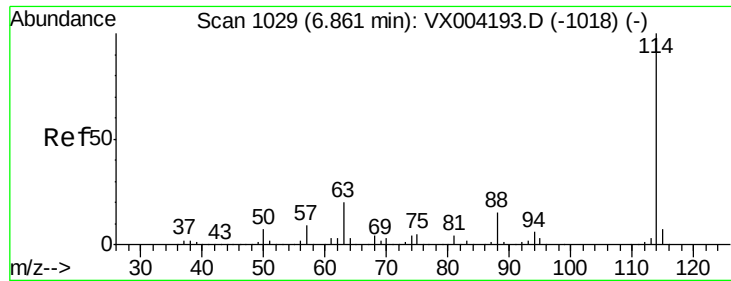
Tot Ion: 42 Resp: 948
Ion Ratio Lower Upper
42 100
72 28.5 37.4 56.0#
71 23.3 34.5 51.7#



#33
1,2-Dichloroethane-d4
Concen: 50.66 ug/l
RT: 6.06 min Scan# 898
Delta R.T. -0.01 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

Tgt Ion: 65 Resp: 215860
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBL01

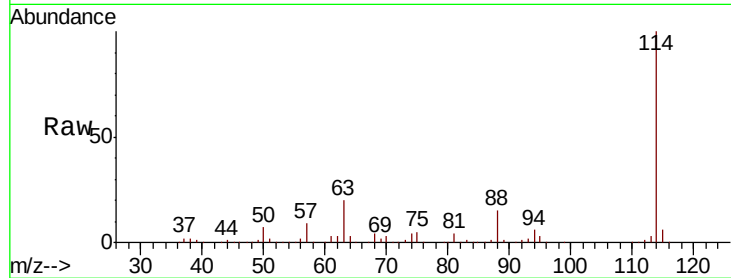
Tot Ion:114 Resp: 506575

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

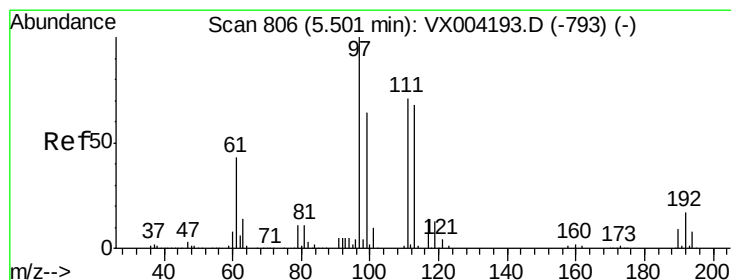
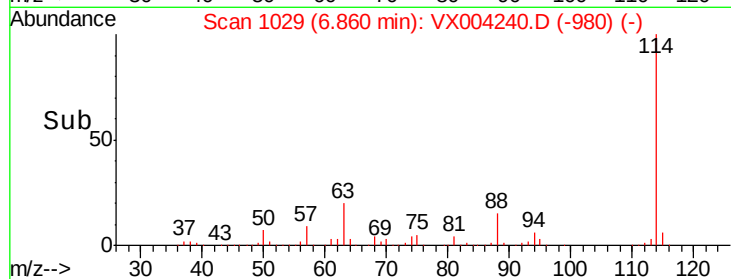
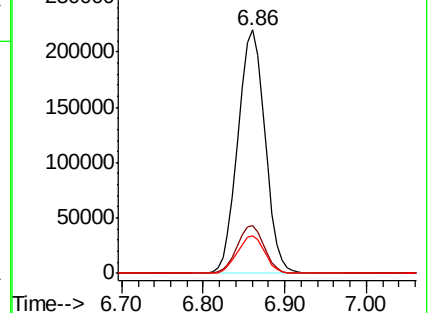
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.38 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

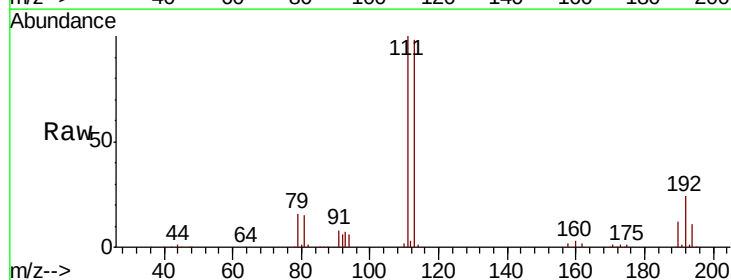
Tgt Ion:113 Resp: 189850

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

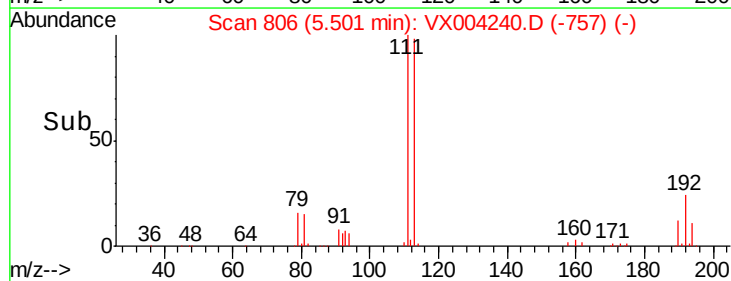
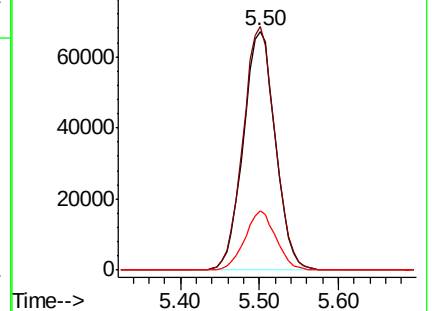
192 23.9 19.4 29.2

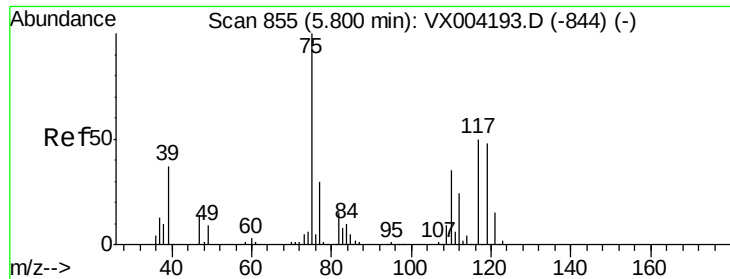


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

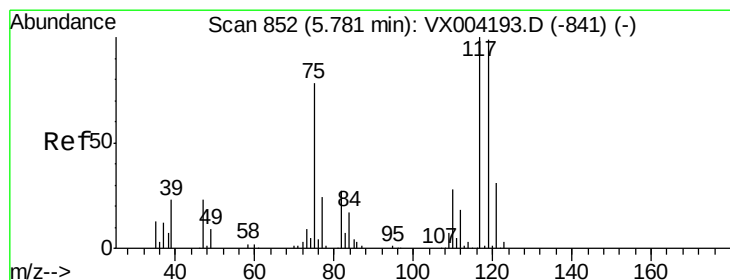
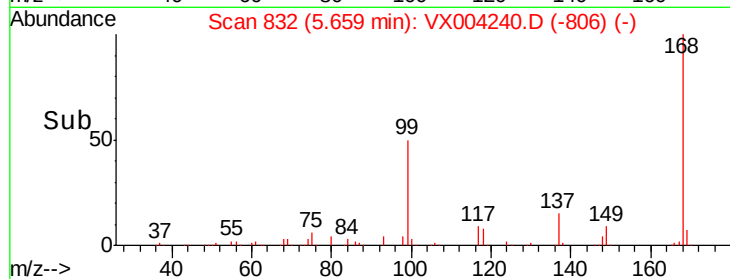
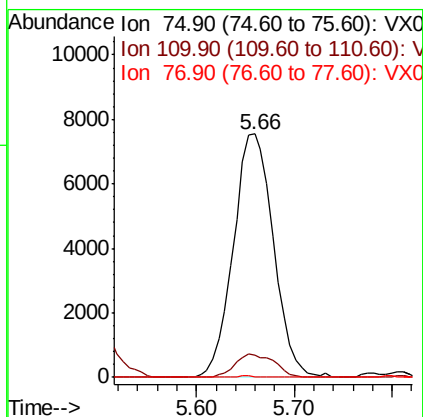
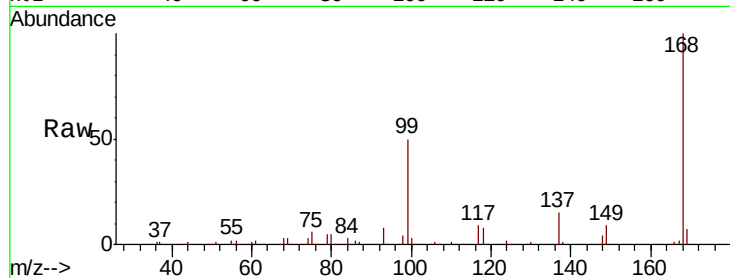




#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

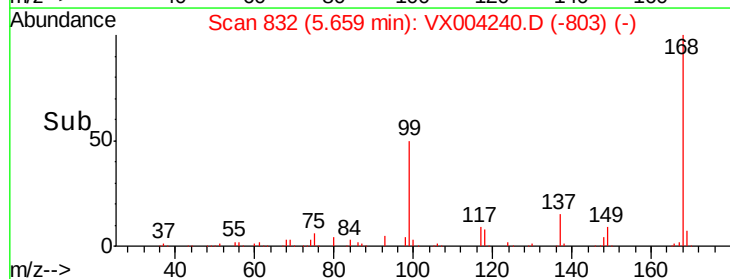
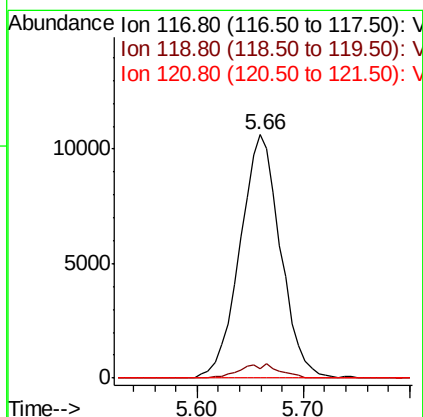
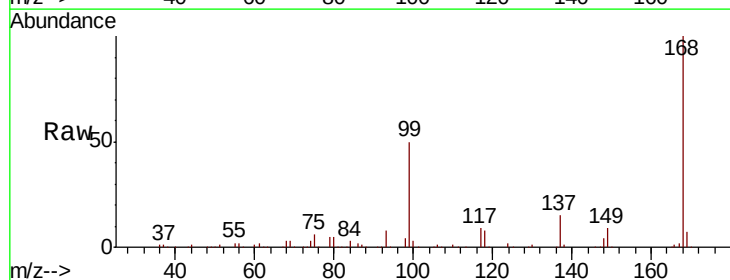
Instrument :
 MSVOA_X
 ClientSampled :
 VX0824WBL01

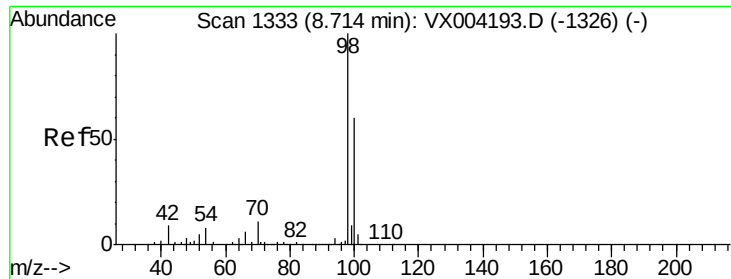
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.0	54.0#
77	0.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.26 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.8	118.2#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 49.68 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

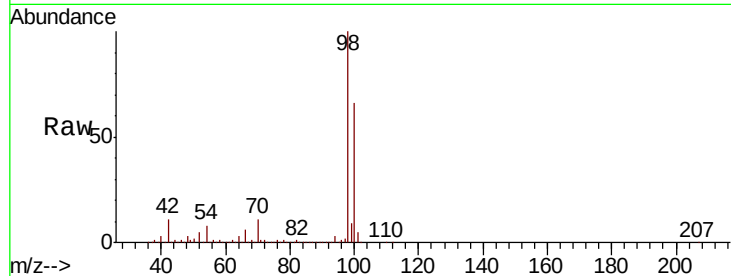
VX0824WBL01

Tot Ion: 98 Resp: 706637

Ion Ratio Lower Upper

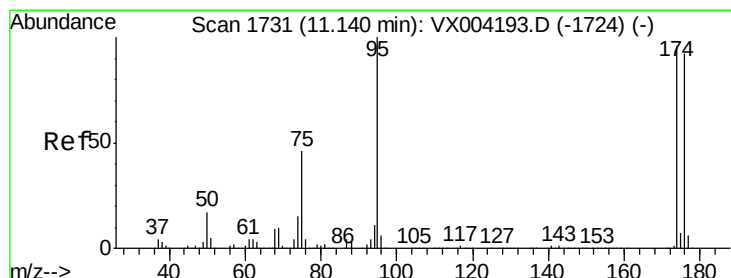
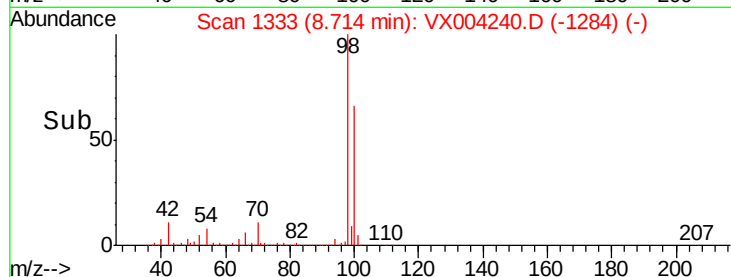
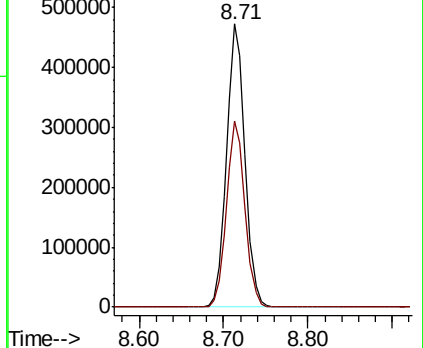
98 100

100 65.9 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: 43.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

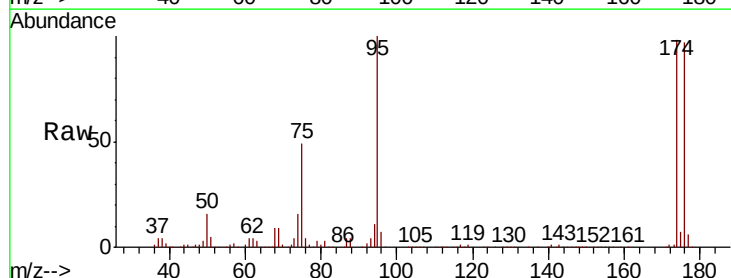
Tgt Ion: 95 Resp: 232097

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.2

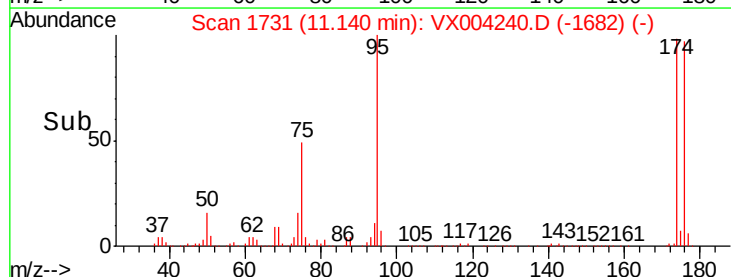
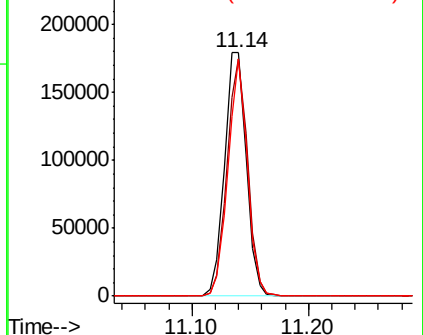
176 87.4 0.0 178.6

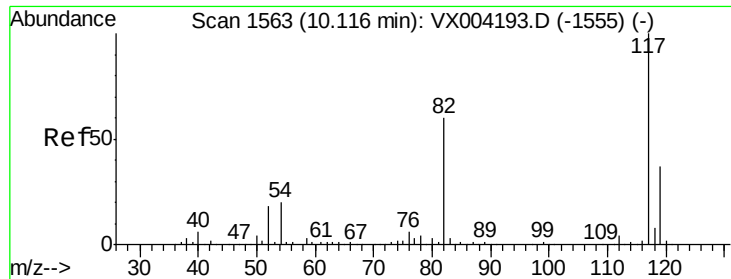


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

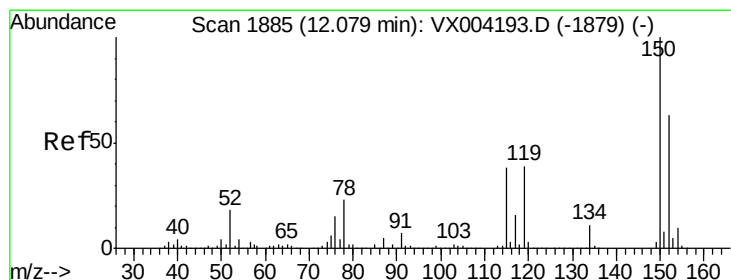
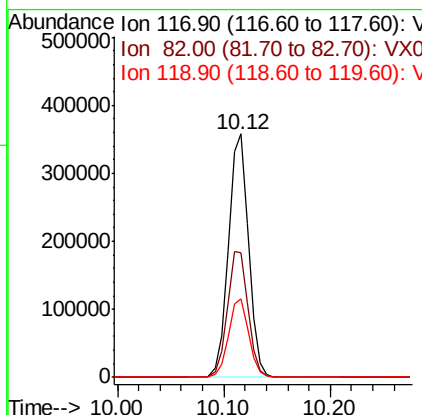
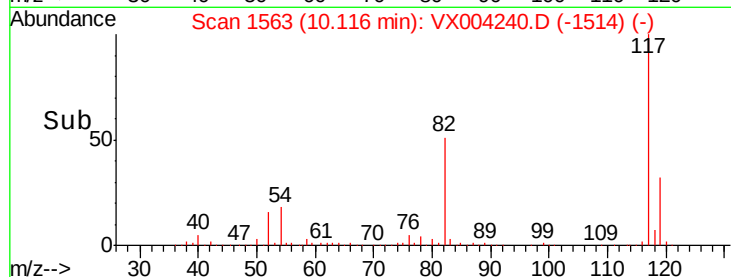
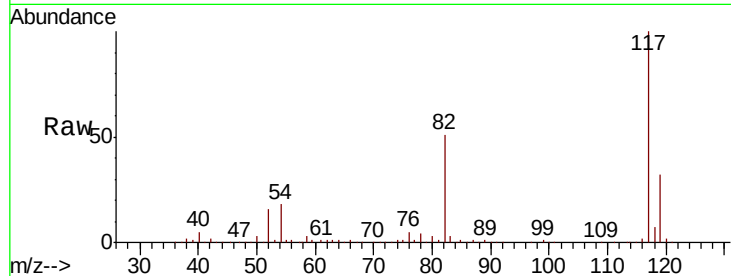




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

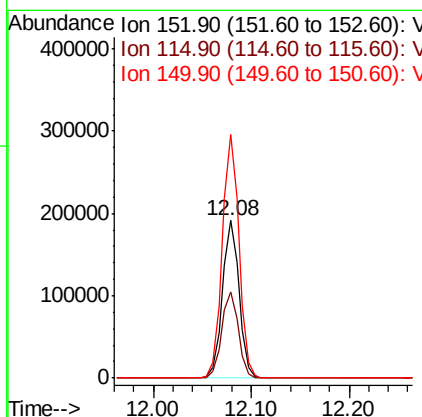
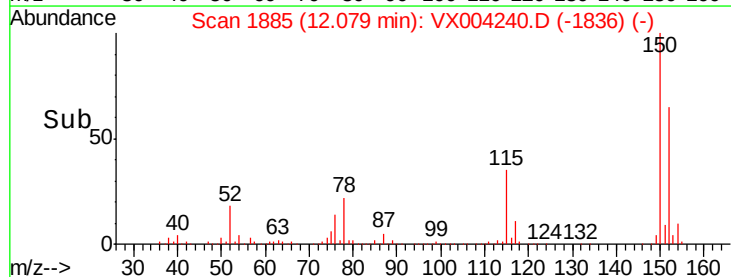
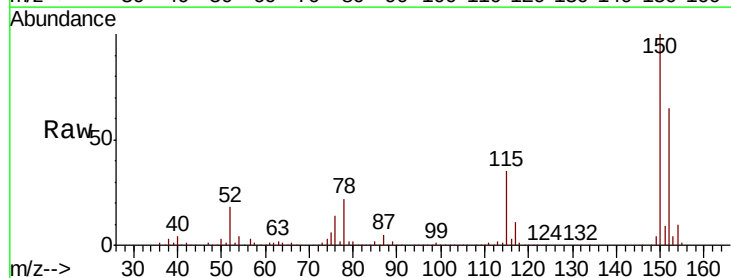
Instrument :
MSVOA_X
ClientSampleId :
VX0824WBL01

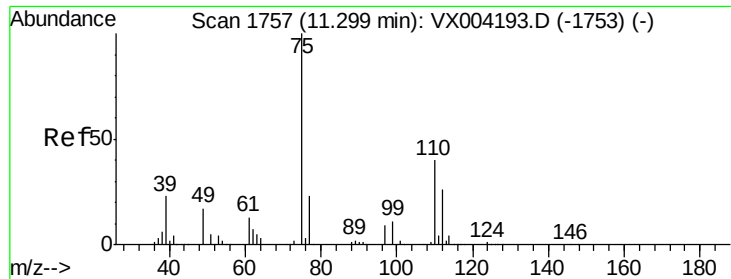
Tot Ion:117 Resp: 475036
Ion Ratio Lower Upper
117 100
82 51.2 47.8 71.6
119 32.3 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004240.D
Acq: 24 Aug 2018 12:06

Tgt Ion:152 Resp: 224577
Ion Ratio Lower Upper
152 100
115 55.2 39.0 117.0
150 155.8 0.0 351.0

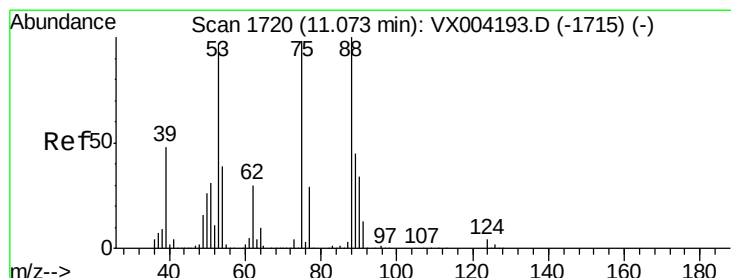
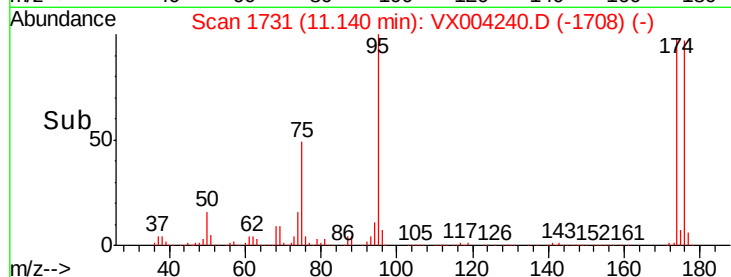
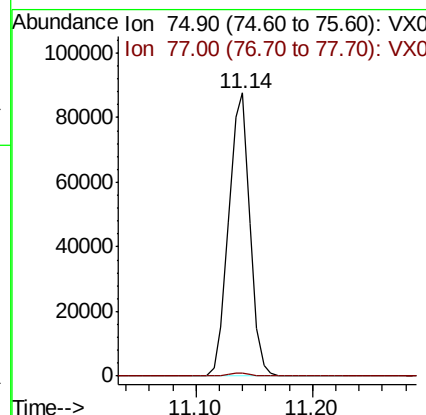
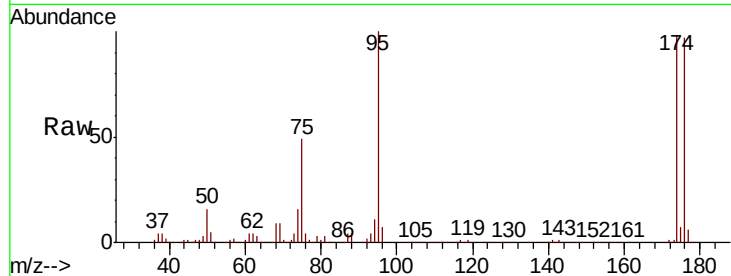




#76
 1,2,3-Trichloropropane
 Concen: 24.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

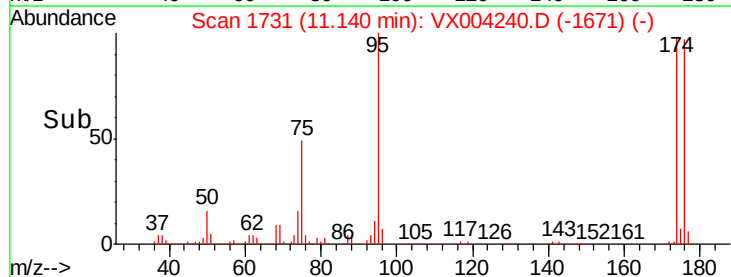
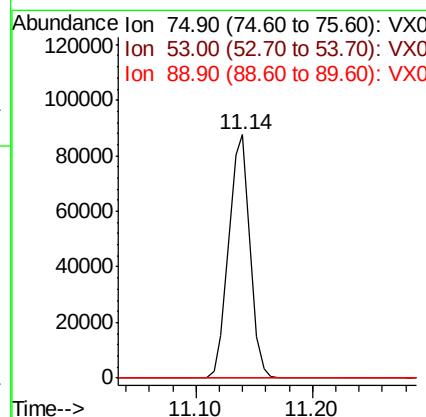
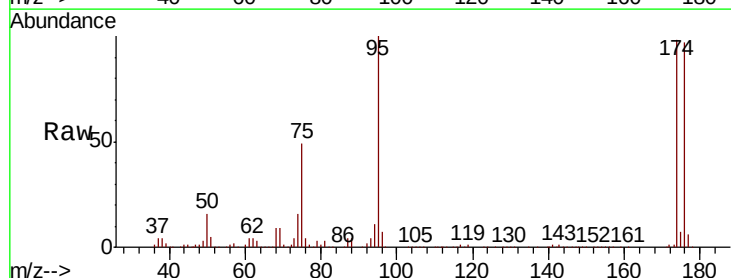
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0824WBL01

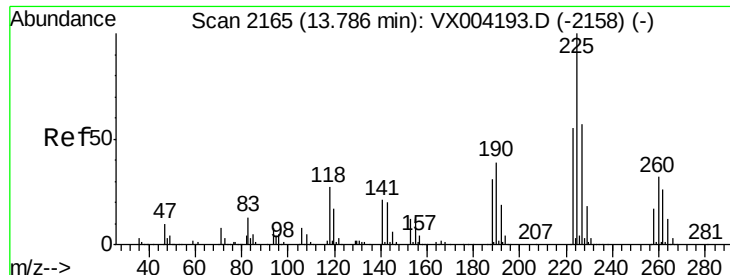
Tot Ion: 75 Resp: 110251
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004240.D
 Acq: 24 Aug 2018 12:06

Tgt Ion: 75 Resp: 110251
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#94

Hexachlorobutadiene

Concen: 0.20 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX004240.D

Acq: 24 Aug 2018 12:06

Instrument :

MSVOA_X

ClientSampleId :

VX0824WBL01

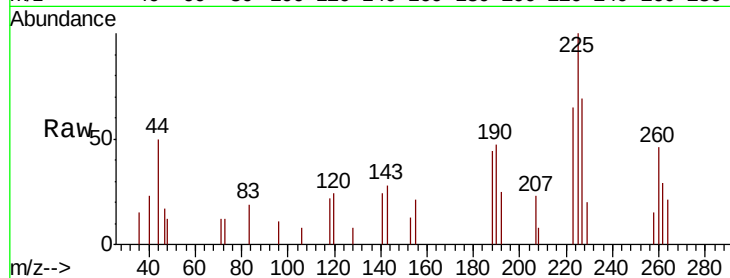
Tot Ion:225 Resp: 818

Ion Ratio Lower Upper

225 100

223 72.1 30.1 90.5

227 69.4 30.8 92.4



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

