

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003924.D
 Acq On : 08 Aug 2018 15:31
 Operator : JC/MD
 Sample : J4379-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-08072018

Quant Time: Aug 09 03:14:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	504063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	476398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	264041	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	219536	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.50	113	186616	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.72	98	716388	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.14	95	254551	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

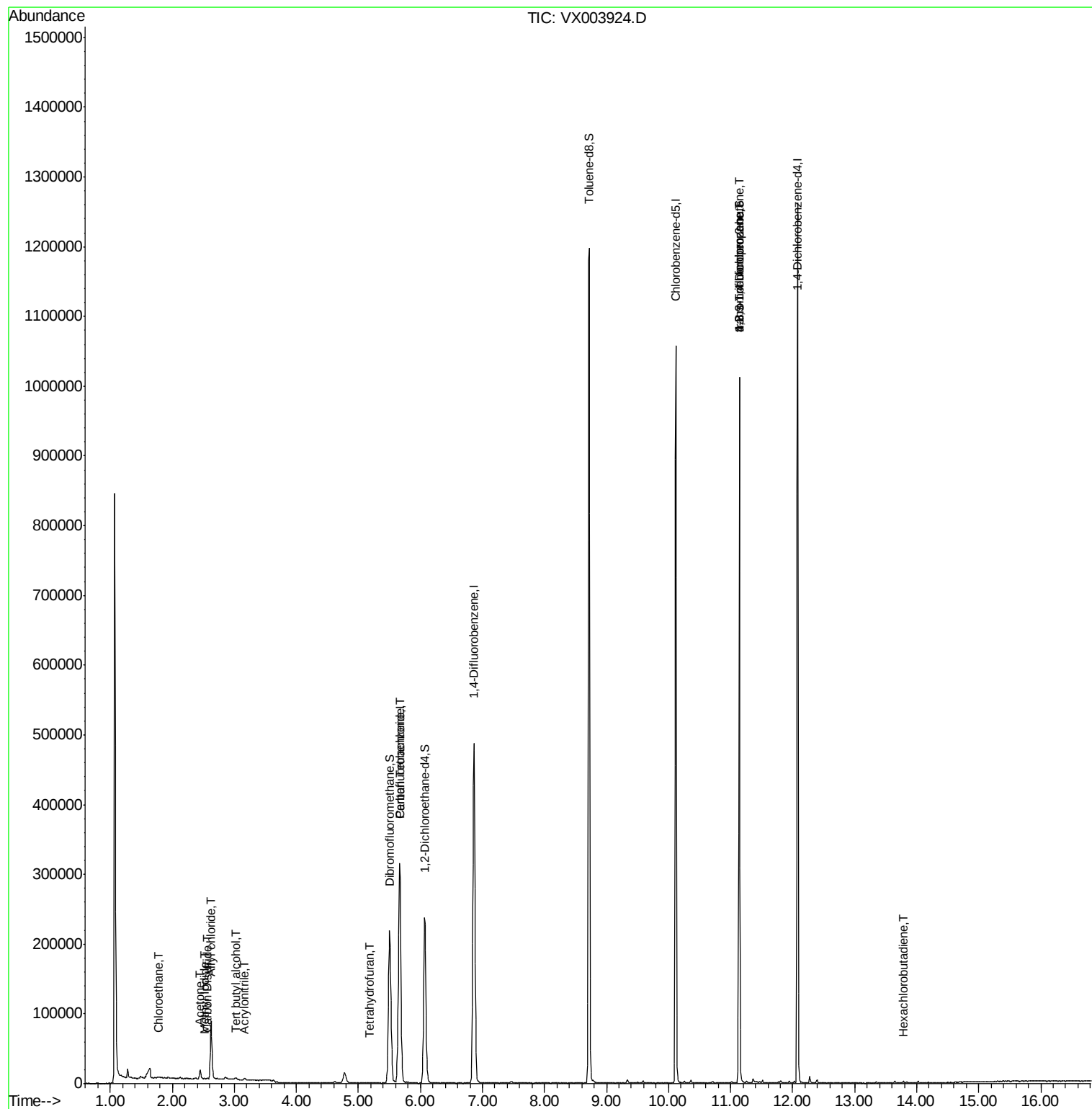
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	920	Below Cal		97
6) Chloroethane	1.78	64	5506	1.96 ug/l	#	50
10) Methyl Iodide	2.52	142	904	0.20 ug/l	#	96
11) Tert butyl alcohol	3.03	59	1654	1.62 ug/l	#	92
13) Acrolein	2.31	56	359	Below Cal	#	81
14) Allyl chloride	2.63	41	8152	1.23 ug/l	#	56
15) Acrylonitrile	3.16	53	661	0.27 ug/l		89
16) Acetone	2.45	43	13781	5.46 ug/l		94
17) Carbon Disulfide	2.57	76	2040	0.65 ug/l	#	93
20) Methylene Chloride	2.85	84	1319	Below Cal	#	96
29) Tetrahydrofuran	5.18	42	736	0.38 ug/l	#	59
38) Carbon Tetrachloride	5.67	117	28419	5.29 ug/l	#	15
76) 1,2,3-Trichloropropane	11.14	75	120615	20.68 ug/l	#	36
81) trans-1,4-Dichloro-2-buten	11.14	75	120615	55.98 ug/l	#	9
88) 1,4-Dichlorobenzene	12.02	146	1073	Below Cal		96
94) Hexachlorobutadiene	13.78	225	483	0.59 ug/l		90

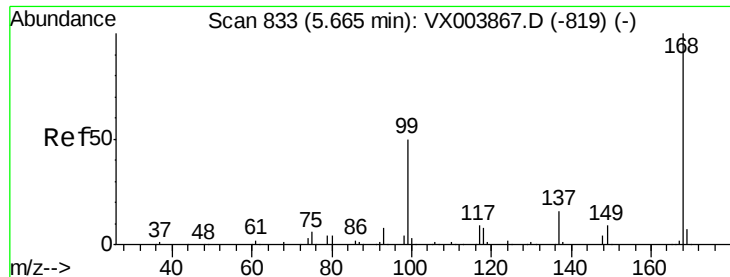
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

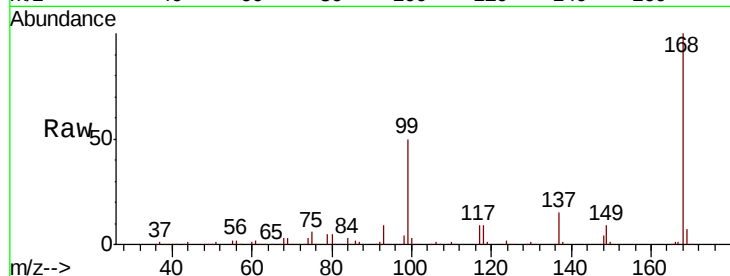
TB-08072018

Tot Ion:168 Resp: 319880

Ion Ratio Lower Upper

168 100

99 50.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

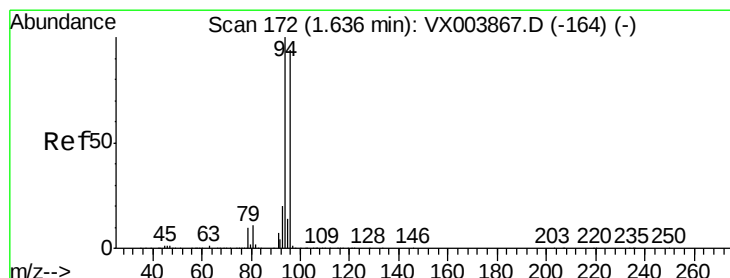
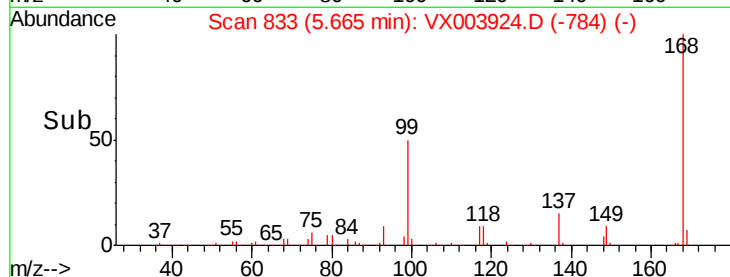
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003924.D

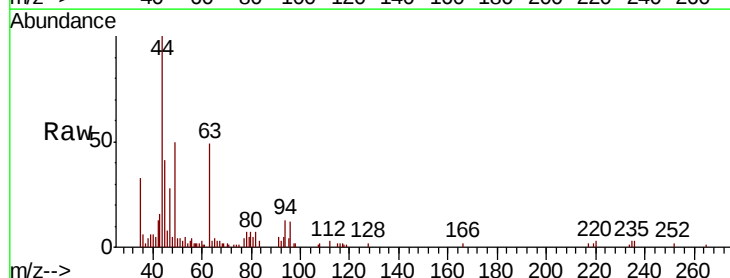
Acq: 08 Aug 2018 15:31

Tgt Ion: 94 Resp: 920

Ion Ratio Lower Upper

94 100

96 97.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

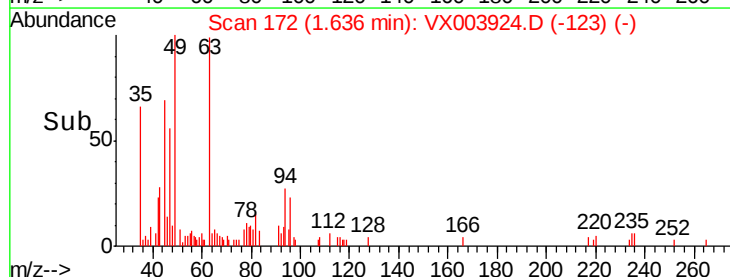
300

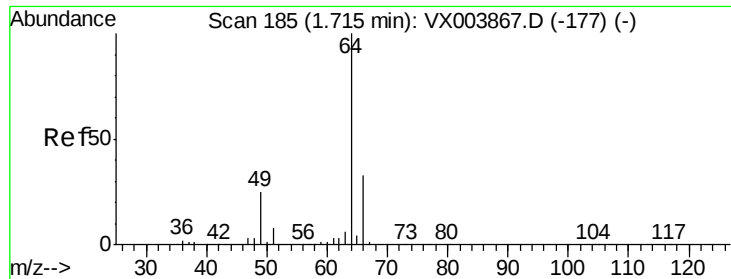
200

100

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: 1.96 ug/l

RT: 1.78 min Scan# 195

Delta R.T. 0.06 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

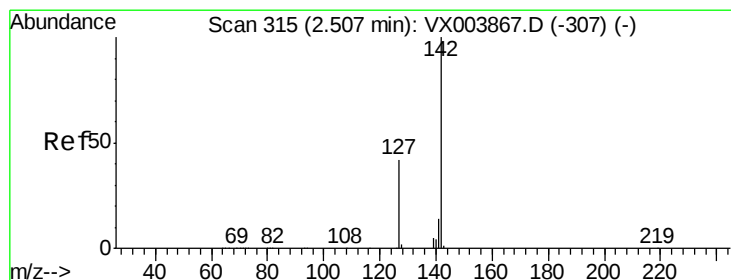
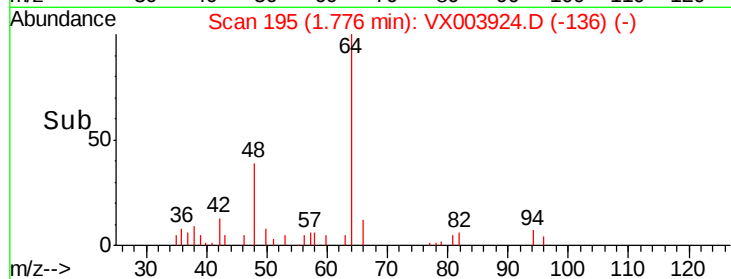
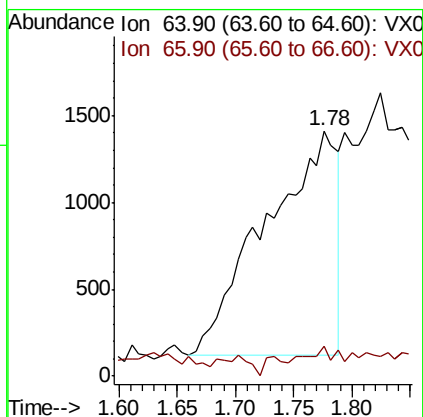
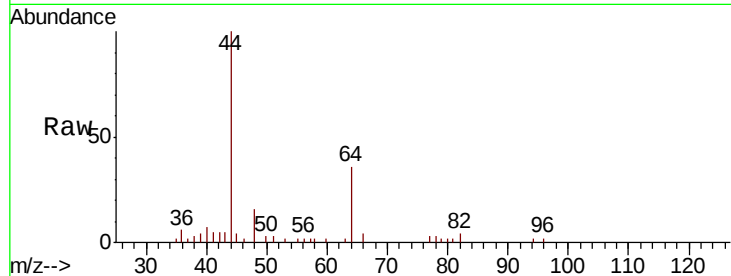
TB-08072018

Tot Ion: 64 Resp: 5506

Ion Ratio Lower Upper

64 100

66 4.7 26.5 39.7#



#10

Methyl Iodide

Concen: 0.20 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

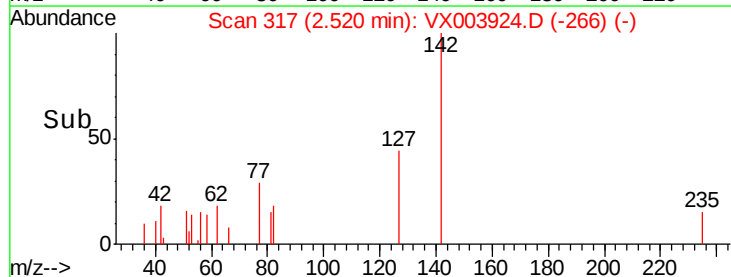
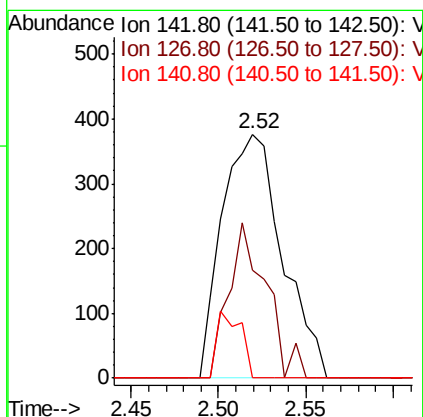
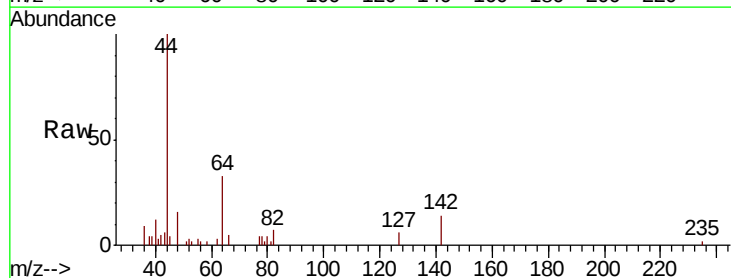
Tgt Ion: 142 Resp: 904

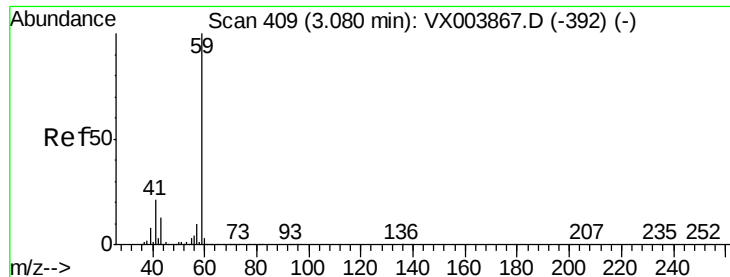
Ion Ratio Lower Upper

142 100

127 39.8 33.1 49.7

141 10.8 11.1 16.7#



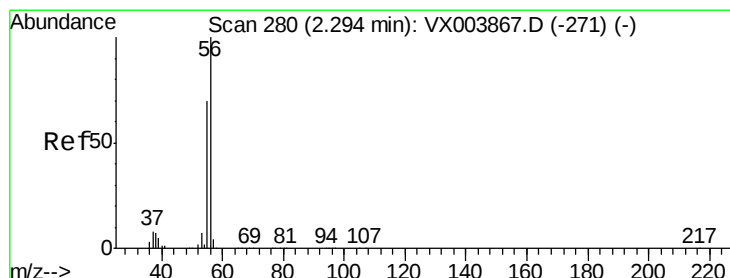
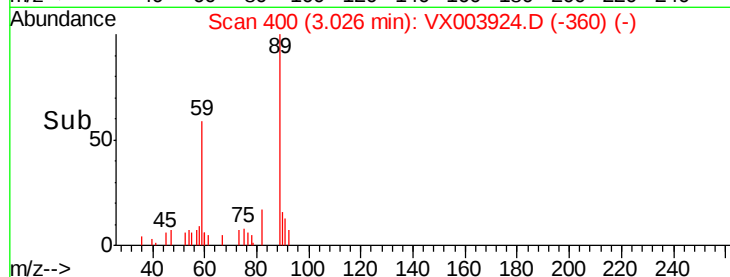
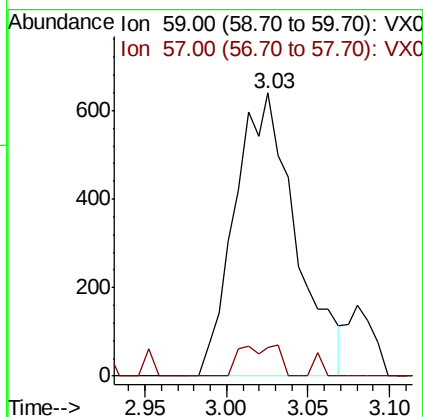
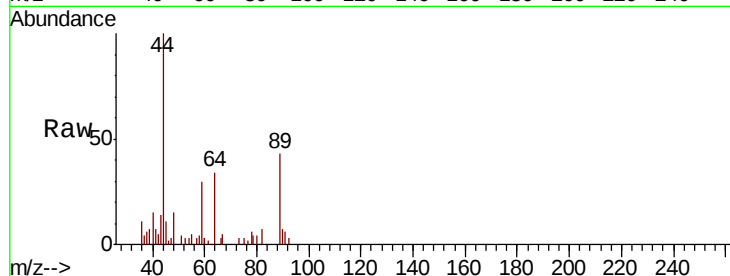


#11

Tert butyl alcohol
 Concen: 1.62 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX003924.D
 Acq: 08 Aug 2018 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-08072018

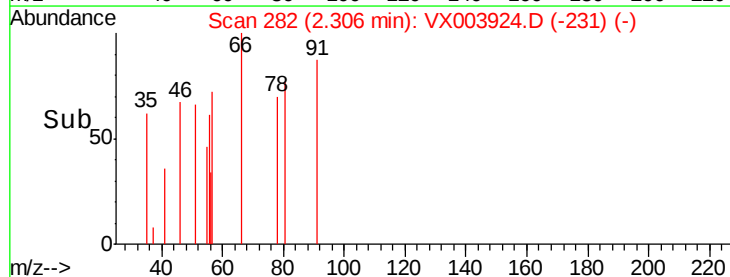
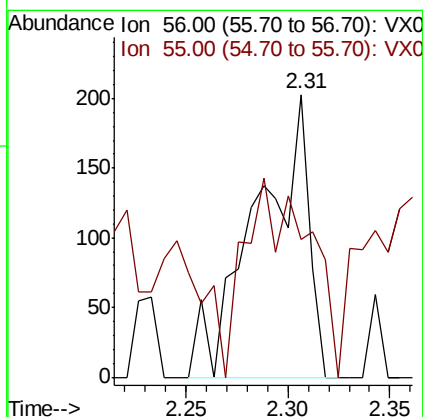
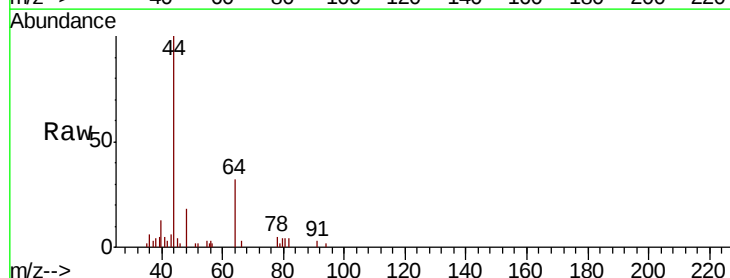
Tot Ion: 59 Resp: 1654
 Ion Ratio Lower Upper
 59 100
 57 7.0 8.1 12.1#

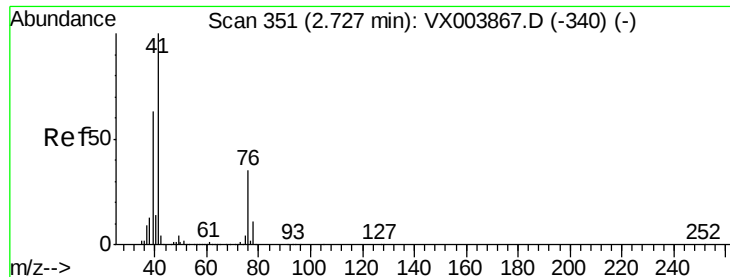


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX003924.D
 Acq: 08 Aug 2018 15:31

Tgt Ion: 56 Resp: 359
 Ion Ratio Lower Upper
 56 100
 55 85.8 56.1 84.1#





#14

Allvl chloride

Concen: 1.23 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.10 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

TB-08072018

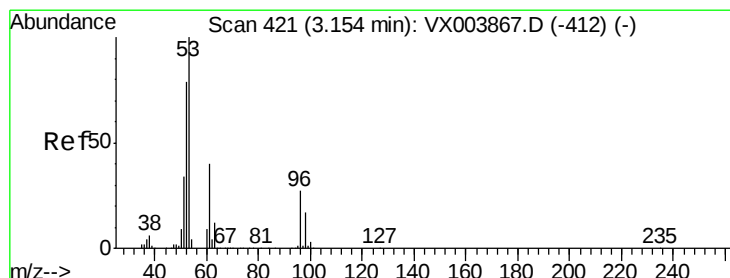
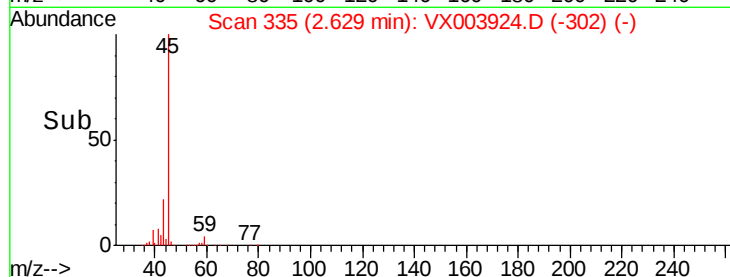
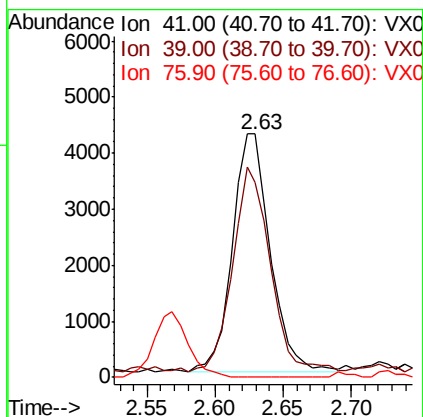
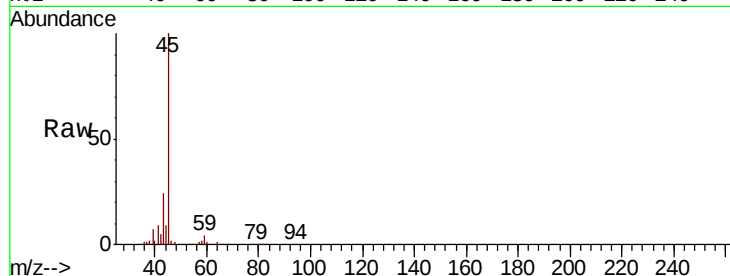
Tot Ion: 41 Resp: 8152

Ion Ratio Lower Upper

41 100

39 86.3 47.4 71.0#

76 0.0 26.0 39.0#



#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

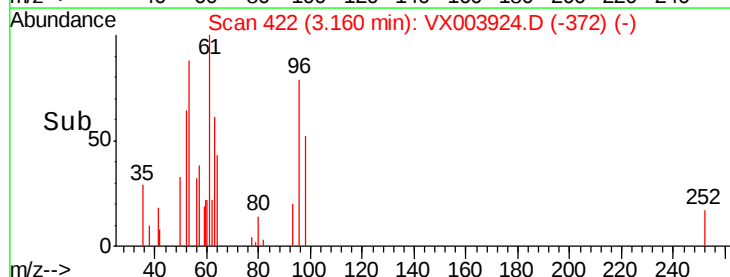
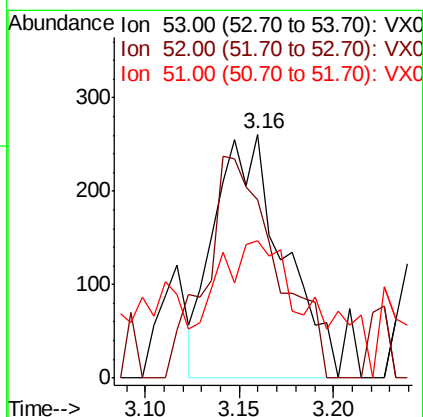
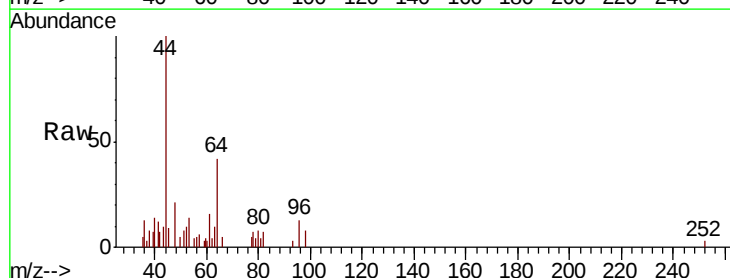
Tgt Ion: 53 Resp: 661

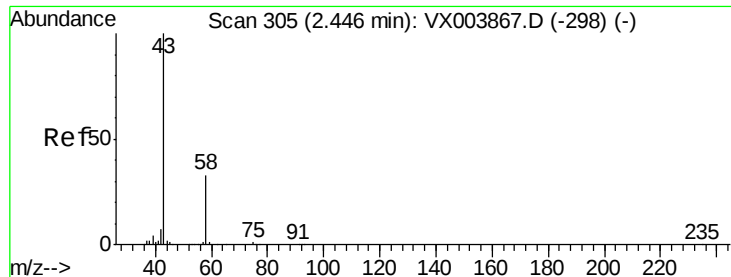
Ion Ratio Lower Upper

53 100

52 93.6 65.3 97.9

51 32.5 27.9 41.9





#16

Acetone

Concen: 5.46 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

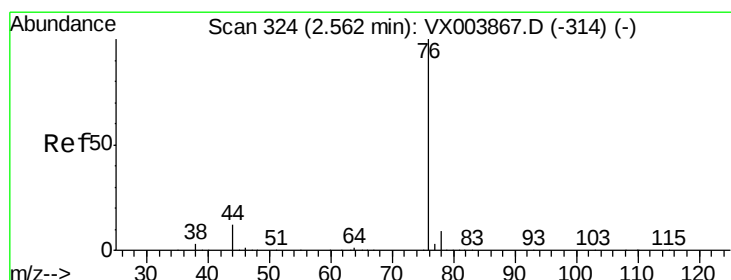
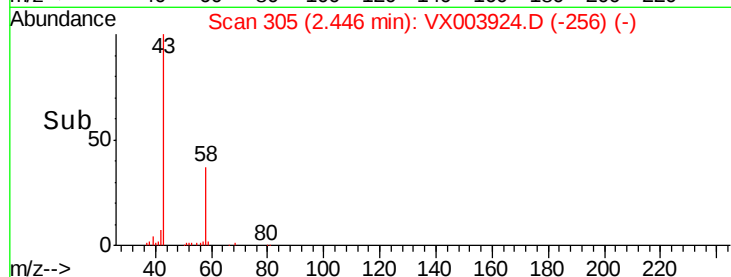
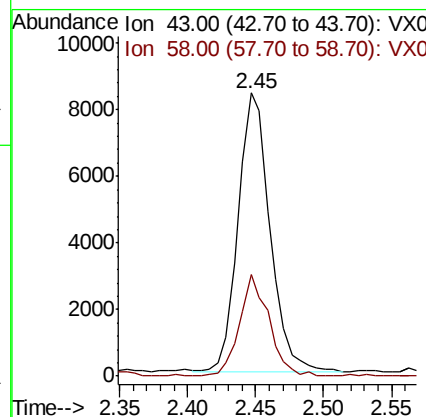
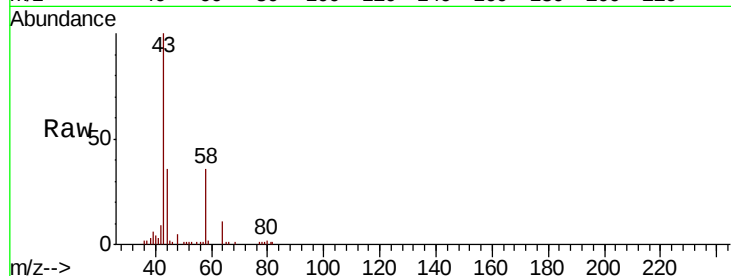
TB-08072018

Tot Ion: 43 Resp: 13781

Ion Ratio Lower Upper

43 100

58 36.3 26.4 39.6



#17

Carbon Disulfide

Concen: 0.65 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003924.D

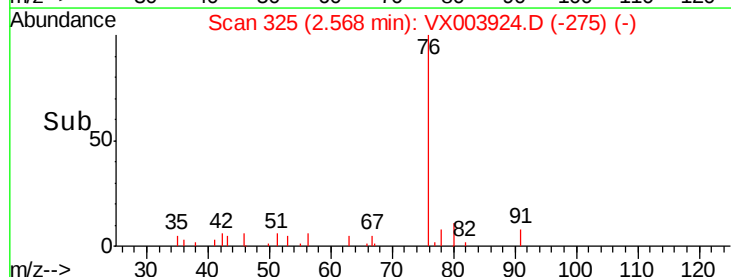
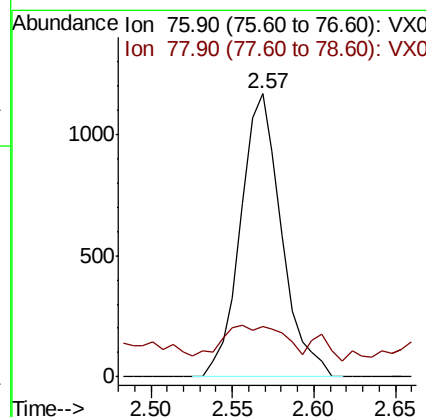
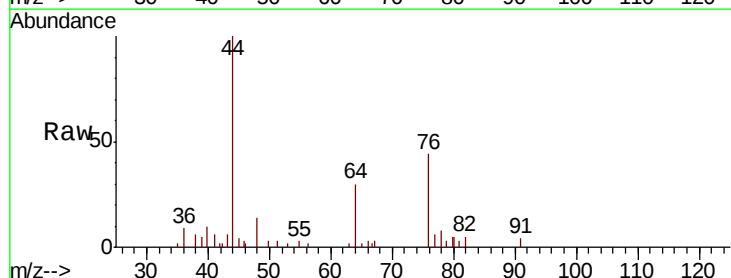
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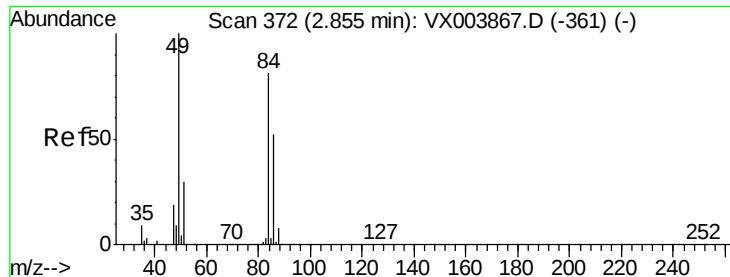
Tgt Ion: 76 Resp: 2040

Ion Ratio Lower Upper

76 100

78 12.0 7.5 11.3#

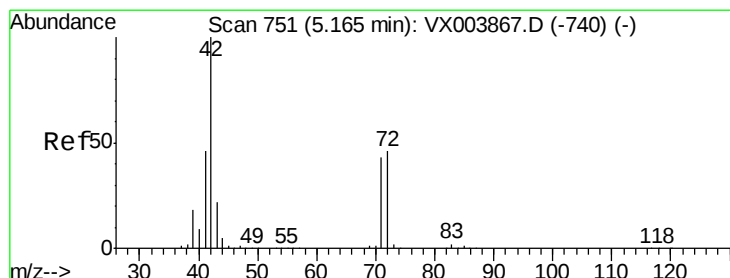
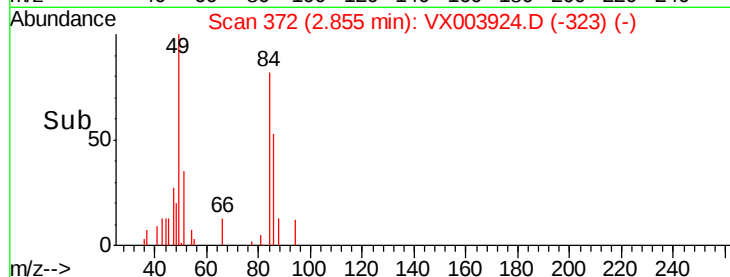
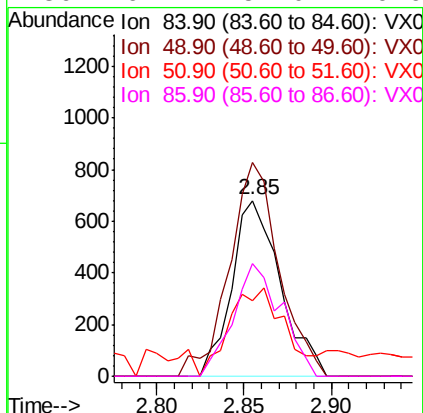
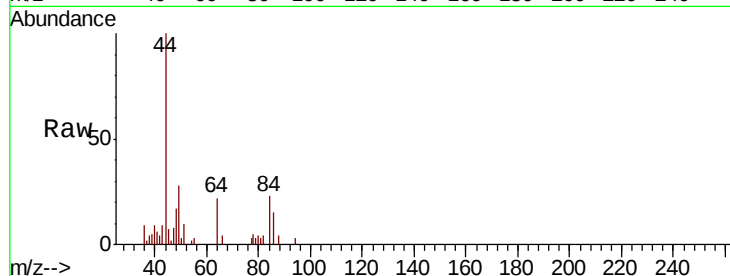




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

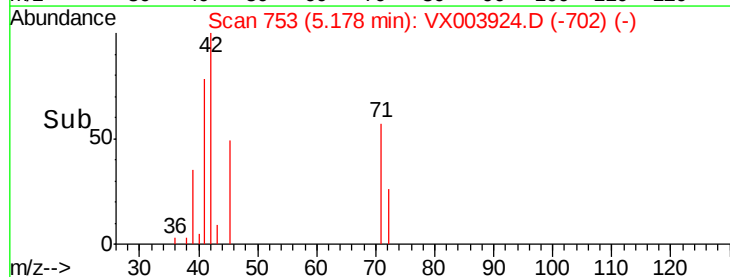
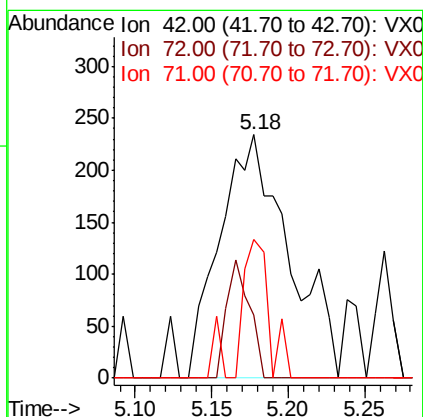
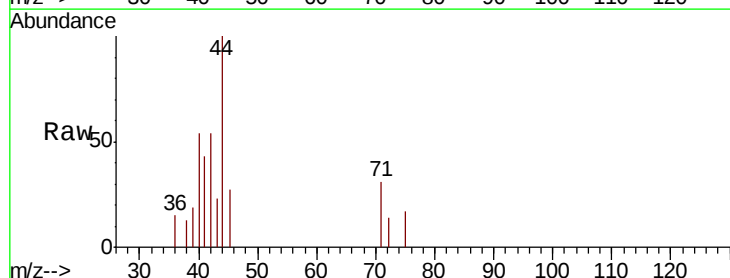
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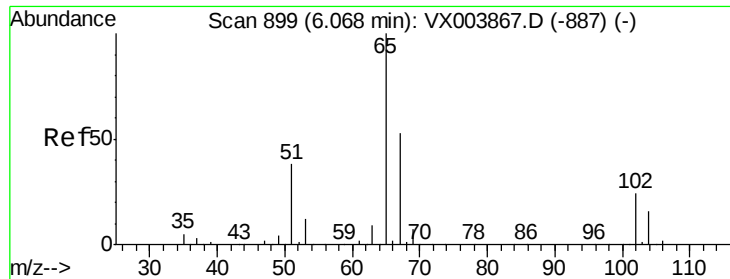
Tot Ion:	84	Resp:	1319
Ion	Ratio	Lower	Upper
84	100		
49	121.6	98.9	148.3
51	28.2	29.9	44.9#
86	64.4	51.0	76.6



#29
Tetrahydrofuran
Concen: 0.38 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

Tgt Ion:	42	Resp:	736
Ion	Ratio	Lower	Upper
42	100		
72	15.9	37.7	56.5#
71	20.7	35.0	52.6#

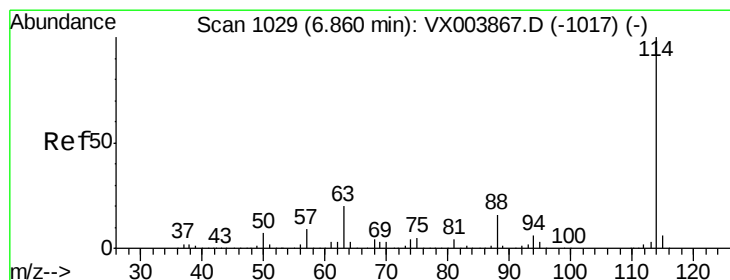
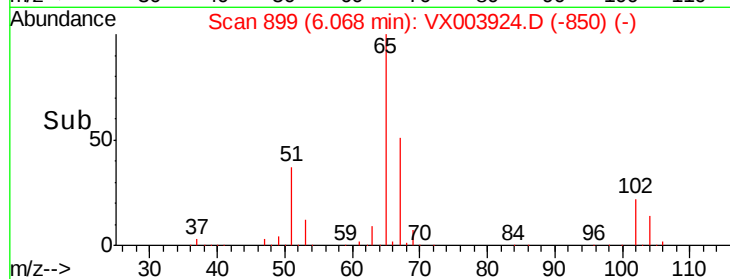
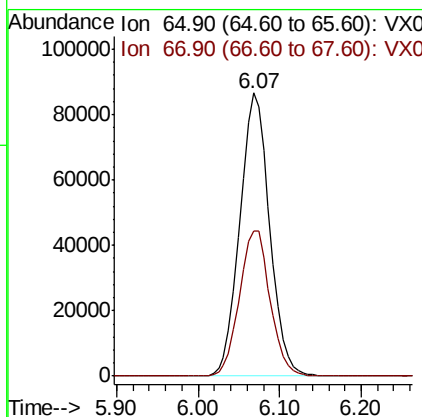
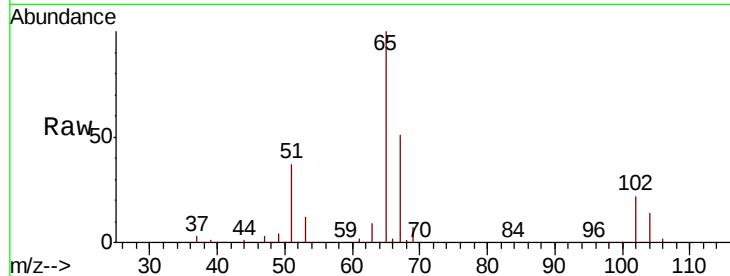




#33
 1,2-Dichloroethane-d4
 Concen: 51.77 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003924.D
 Acq: 08 Aug 2018 15:31

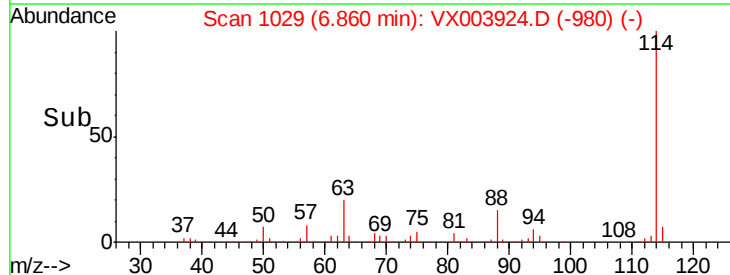
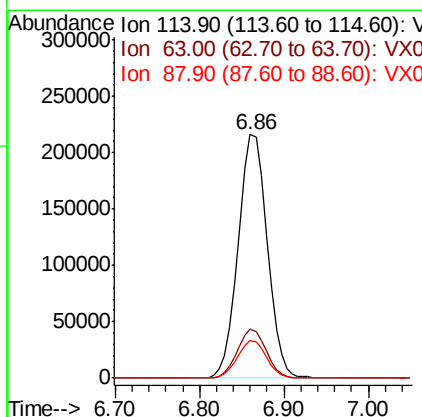
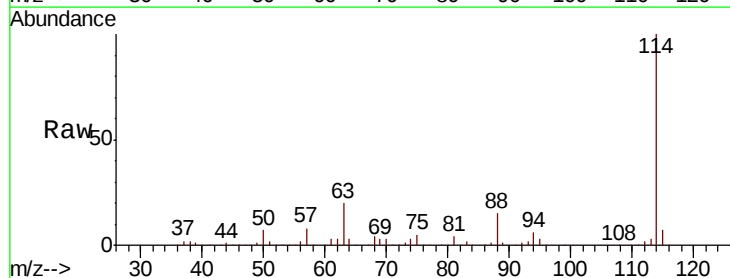
Instrument :
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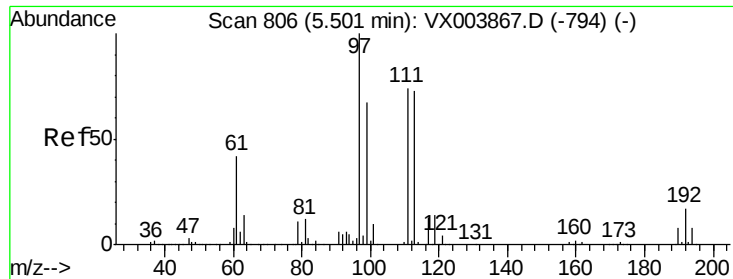
Tot Ion: 65 Resp: 219536
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003924.D
 Acq: 08 Aug 2018 15:31

Tgt Ion: 114 Resp: 504063
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.87 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

TB-08072018

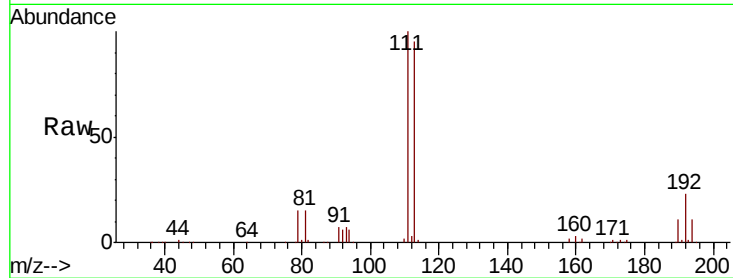
Tot Ion:113 Resp: 186616

Ion Ratio Lower Upper

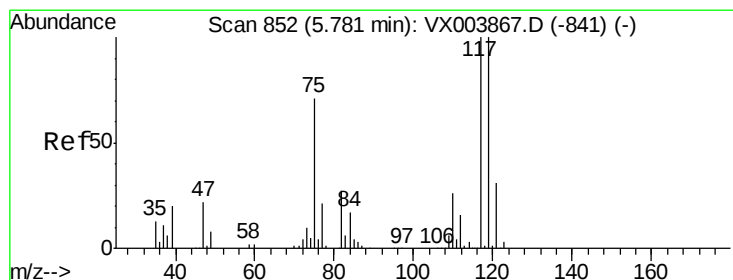
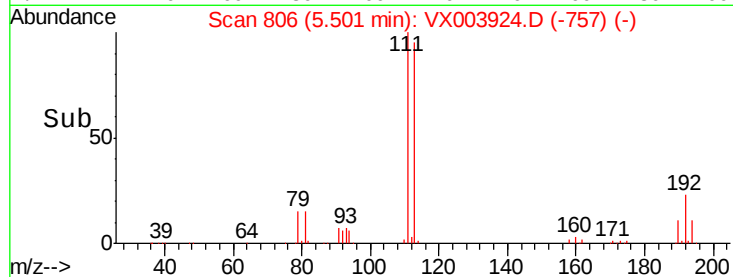
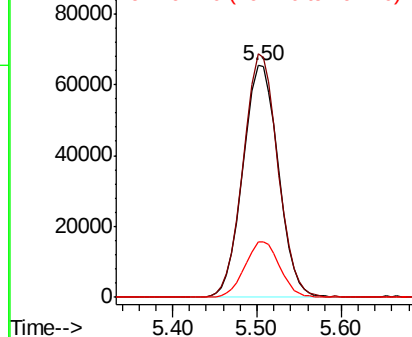
113 100

111 102.9 82.0 123.0

192 23.7 19.0 28.4



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



#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

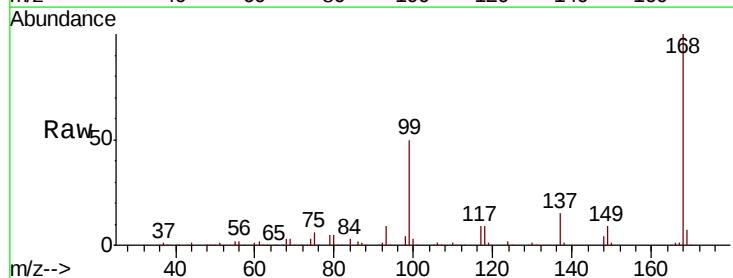
Tgt Ion:117 Resp: 28419

Ion Ratio Lower Upper

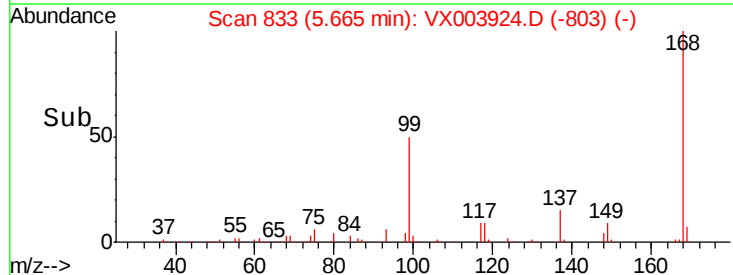
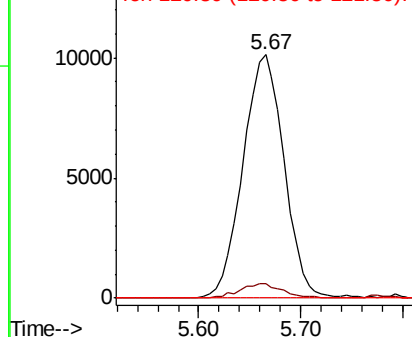
117 100

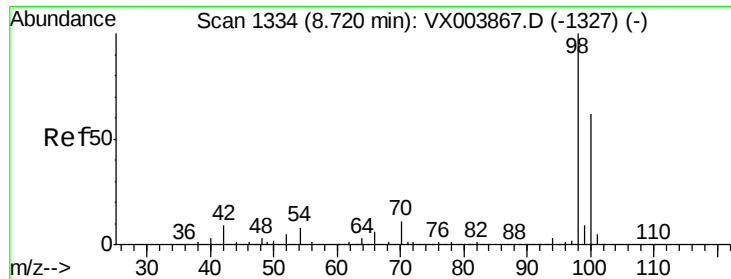
119 6.1 79.5 119.3#

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

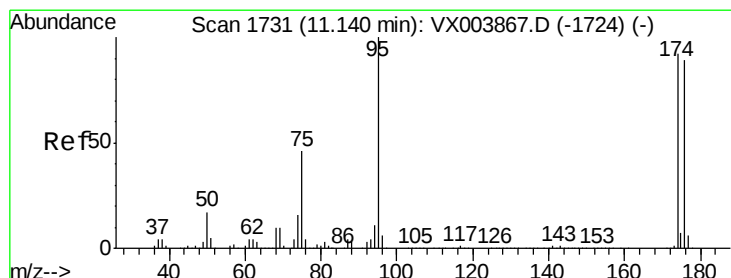
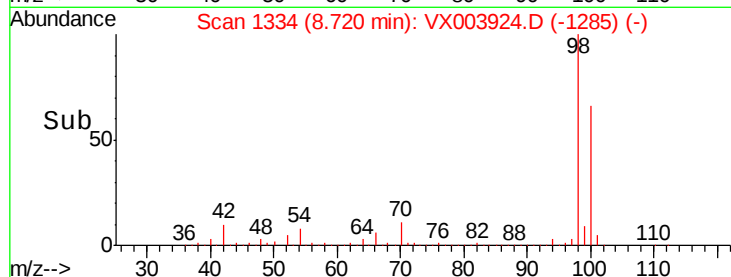
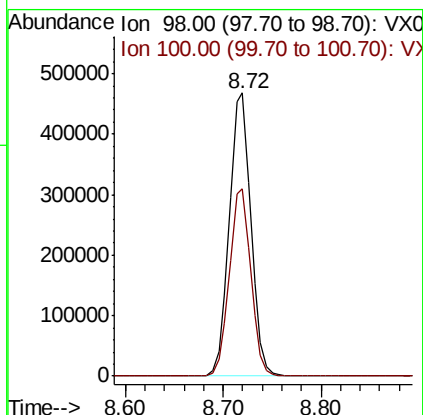
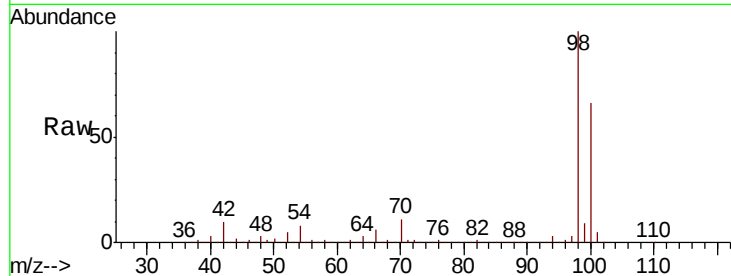




#50
Toluene-d8
Concen: 48.24 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

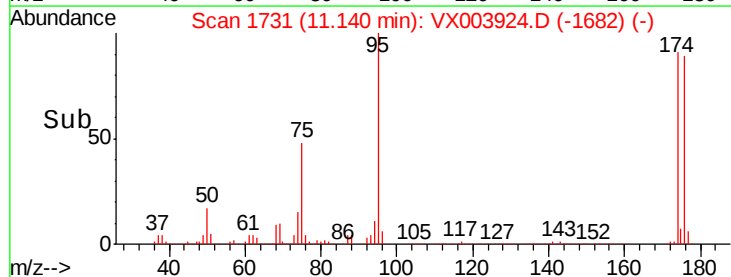
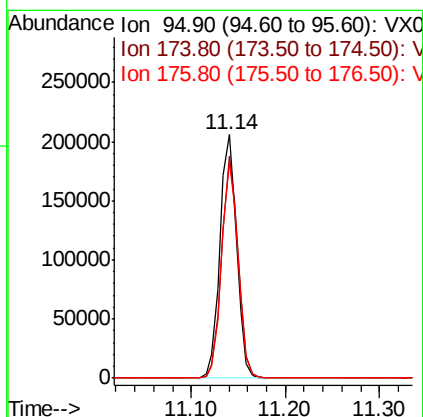
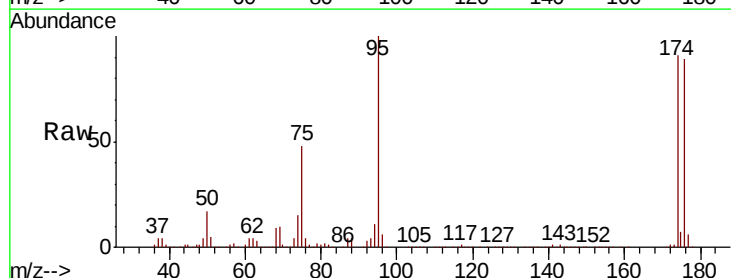
Instrument :
MSVOA_X
ClientSampleId :
TB-08072018

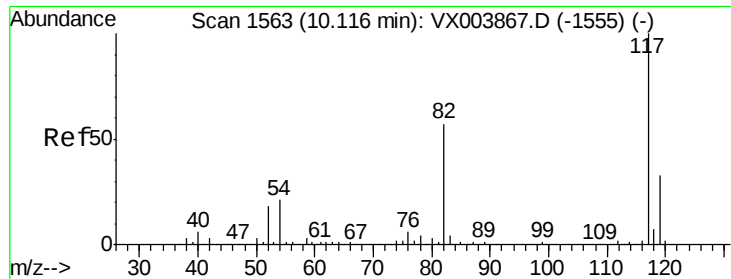
Tot Ion: 98 Resp: 716388
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.98 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

Tgt Ion: 95 Resp: 254551
Ion Ratio Lower Upper
95 100
174 89.8 0.0 182.8
176 87.5 0.0 179.0

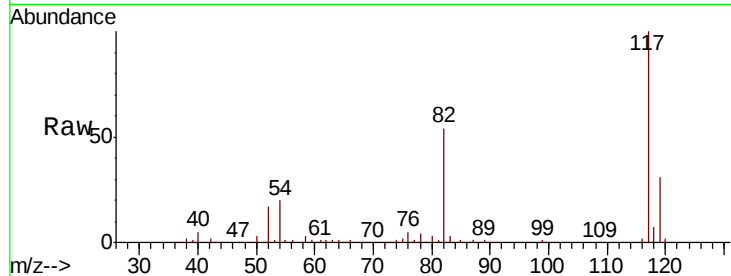




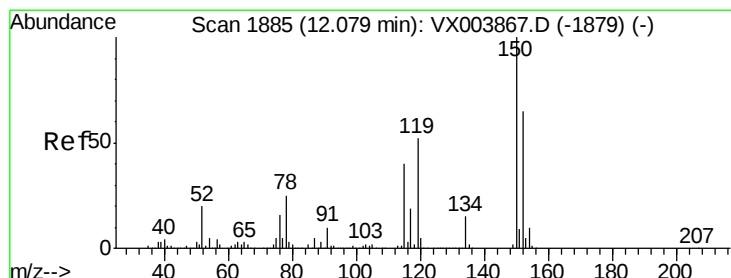
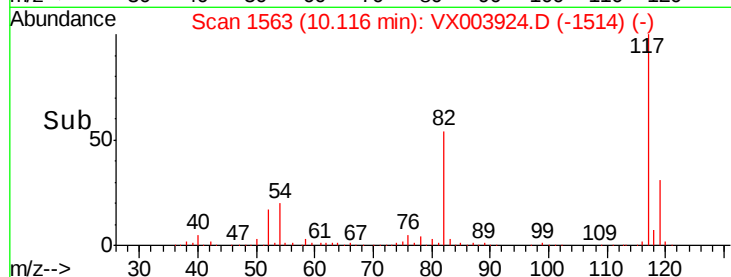
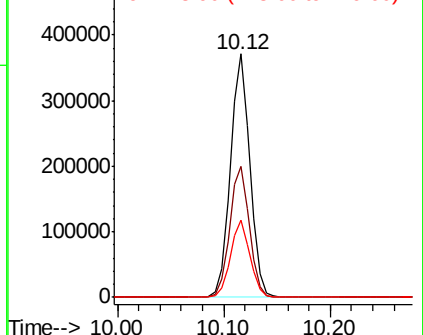
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

Instrument :
MSVOA_X
ClientSampled :
TB-08072018

Tot Ion:117 Resp: 476398
Ion Ratio Lower Upper
117 100
82 53.7 45.4 68.0
119 31.5 26.6 40.0

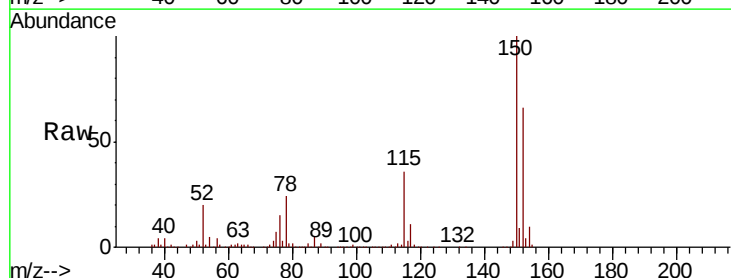


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

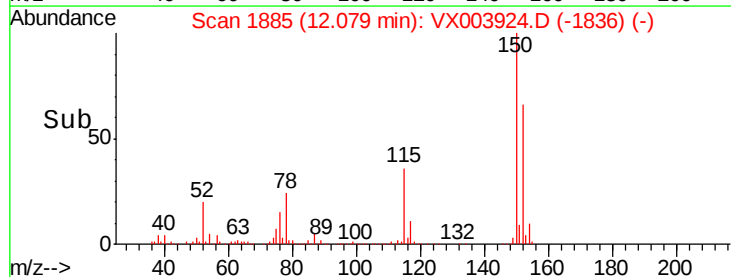
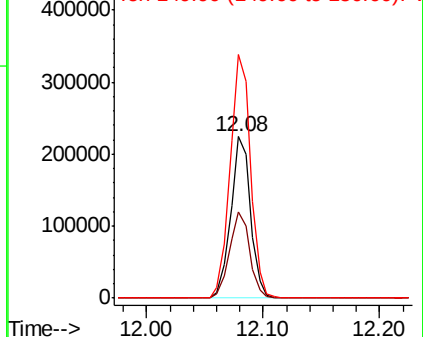


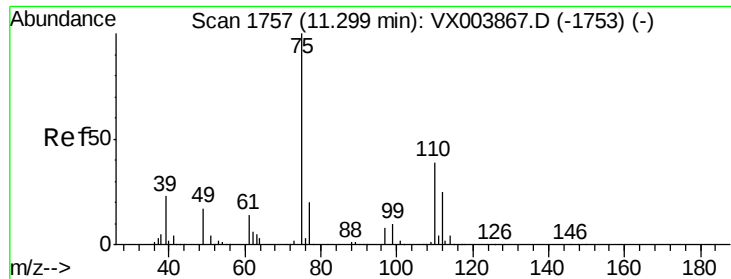
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003924.D
Acq: 08 Aug 2018 15:31

Tgt Ion:152 Resp: 264041
Ion Ratio Lower Upper
152 100
115 54.8 39.1 117.3
150 156.4 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: 20.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

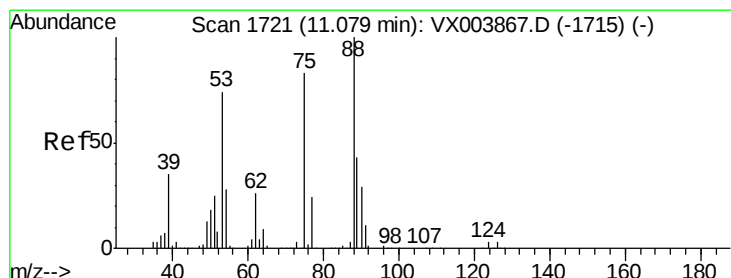
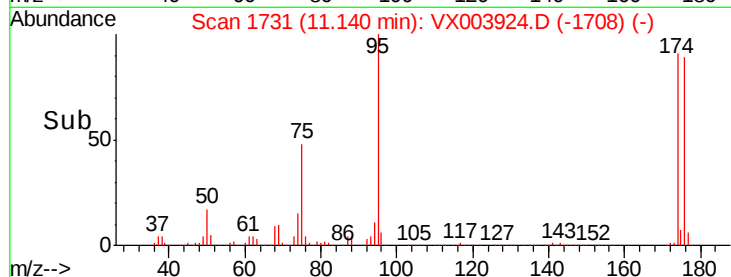
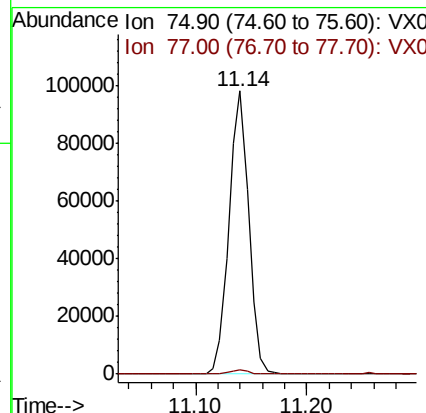
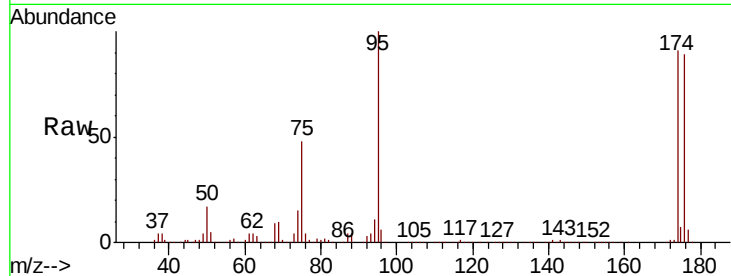
TB-08072018

Tot Ion: 75 Resp: 120615

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

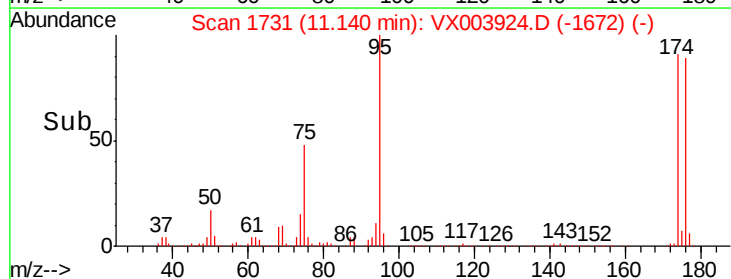
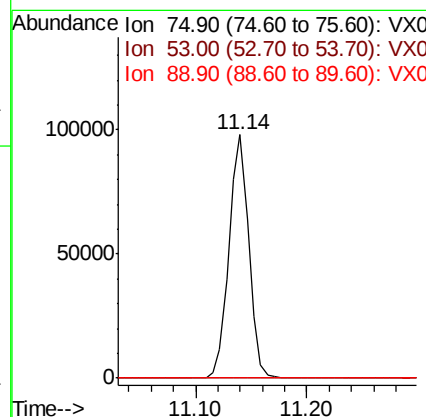
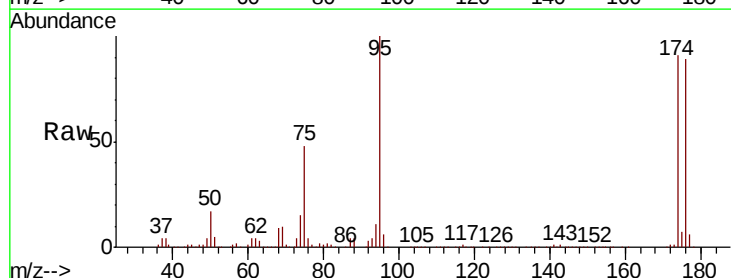
Tgt Ion: 75 Resp: 120615

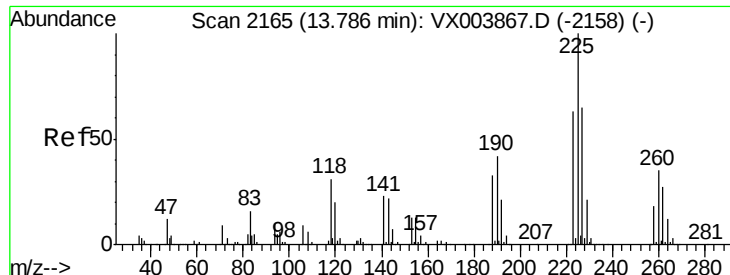
Ion Ratio Lower Upper

75 100

53 0.2 80.3 120.5#

89 0.0 37.8 56.8#





#94

Hexachlorobutadiene

Concen: 0.59 ug/l

RT: 13.78 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VX003924.D

Acq: 08 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

TB-08072018

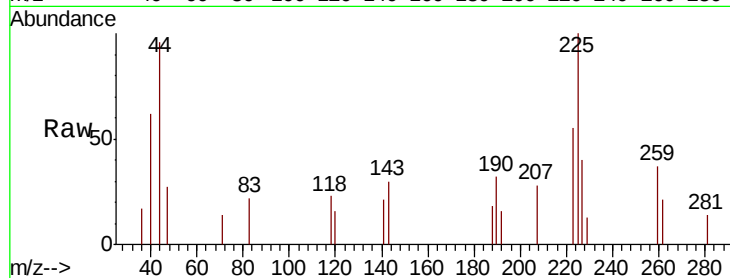
Tot Ion: 225 Resp: 483

Ion Ratio Lower Upper

225 100

223 64.0 31.4 94.0

227 50.5 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

