

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013224.D
 Acq On : 25 Oct 2019 12:35
 Operator : JC/SP
 Sample : K5547-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 25 23:03:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	75344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	108565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	106504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	64195	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	83652	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
35) Dibromofluoromethane	5.49	113	63893	52.78	ug/l	0.00
Spiked Amount			Recovery	=	105.56%	
50) Toluene-d8	8.71	98	230029	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	11.13	95	84272	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	

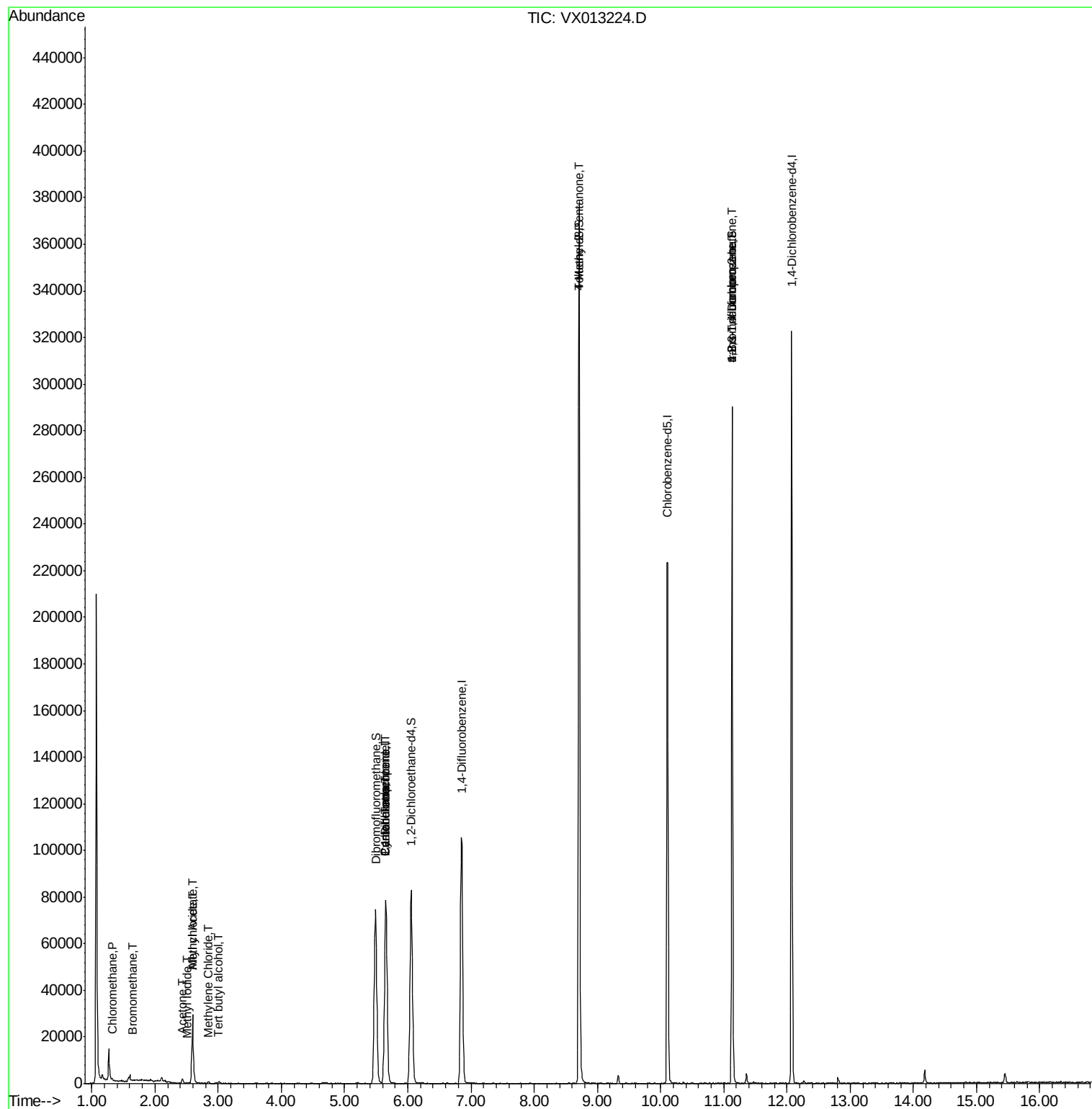
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	256	1.178	ug/l #	83
5) Bromomethane	1.64	94	177	0.244	ug/l	98
6) Chloroethane	1.71	64	167	Below Cal	#	80
10) Methyl Iodide	2.50	142	104	3.598	ug/l #	40
11) Tert butyl alcohol	3.01	59	558	0.572	ug/l #	72
14) Allyl chloride	2.59	41	2836	1.404	ug/l #	61
16) Acetone	2.43	43	2189	2.948	ug/l #	88
18) Methyl Acetate	2.59	43	7589	5.559	ug/l #	49
20) Methylene Chloride	2.84	84	258	0.473	ug/l #	79
31) Cyclohexane	5.65	56	1483	0.728	ug/l #	14
36) 1,1-Dichloropropene	5.65	75	5361	2.877	ug/l #	51
38) Carbon Tetrachloride	5.65	117	7070	3.523	ug/l #	14
51) 4-Methyl-2-Pentanone	8.71	43	974	0.532	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	41717	26.963	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	41717	74.092	ug/l #	10

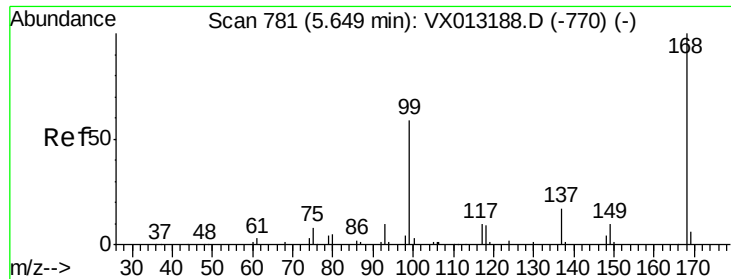
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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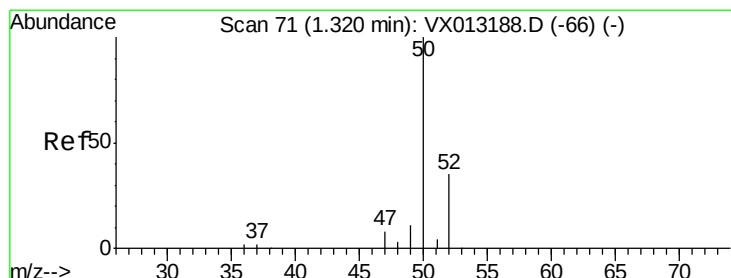
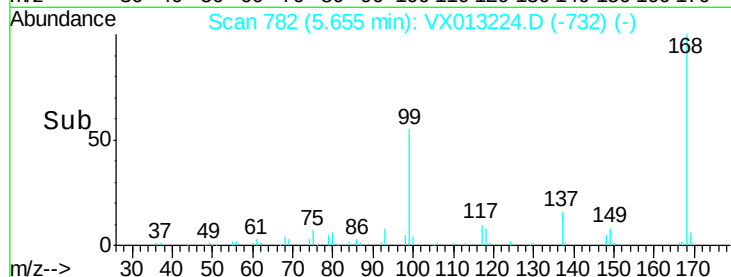
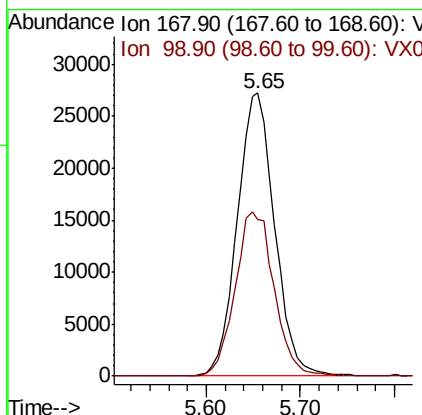
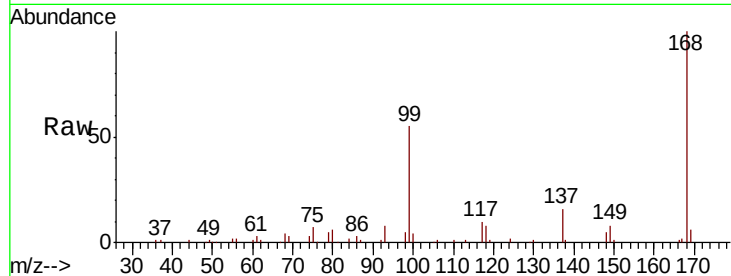




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

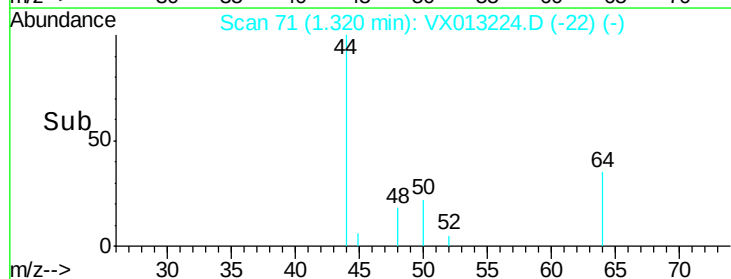
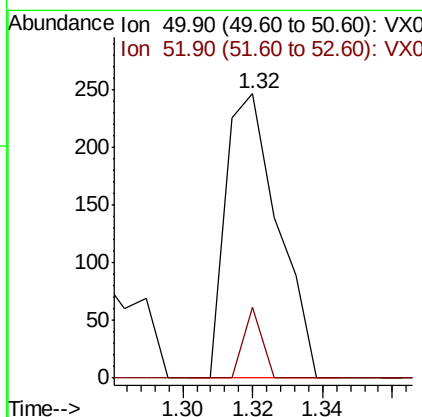
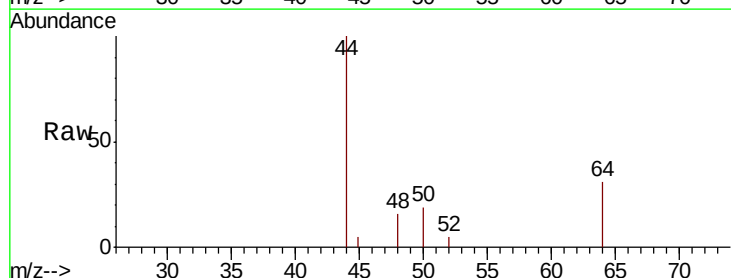
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

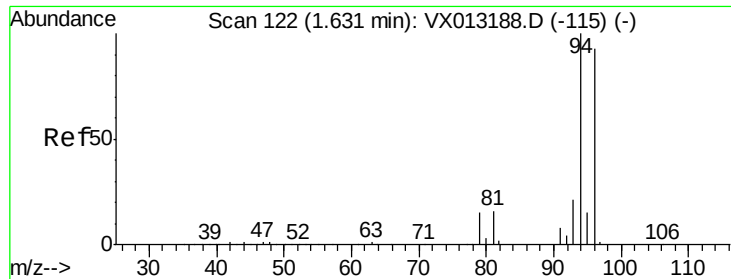
Tot Ion:168 Resp: 75344
Ion Ratio Lower Upper
168 100
99 55.4 47.0 70.4



#3
Chloromethane
Concen: 1.178 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 50 Resp: 256
Ion Ratio Lower Upper
50 100
52 24.8 27.8 41.6#

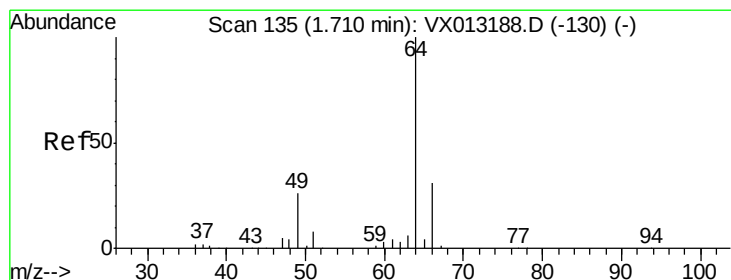
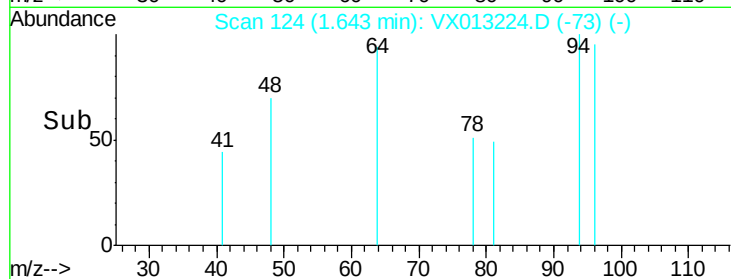
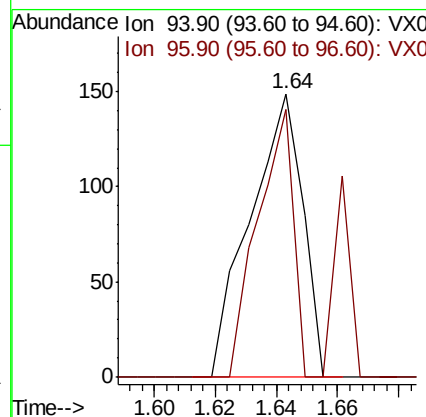
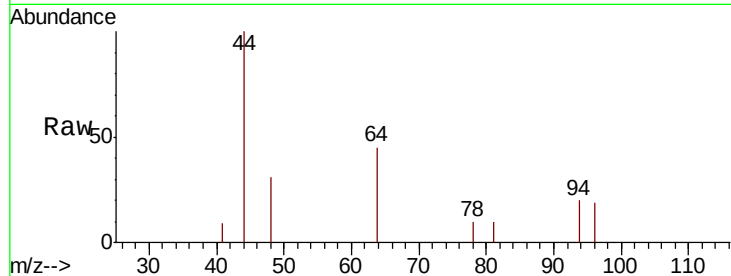




#5
Bromomethane
Concen: 0.244 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

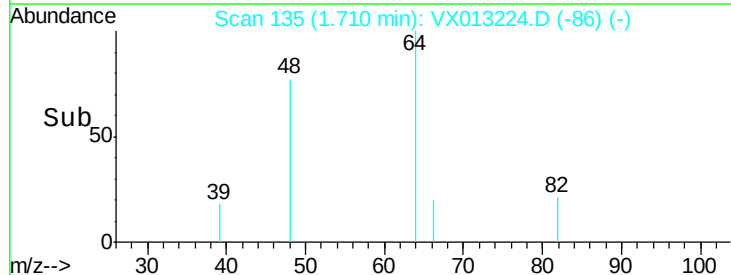
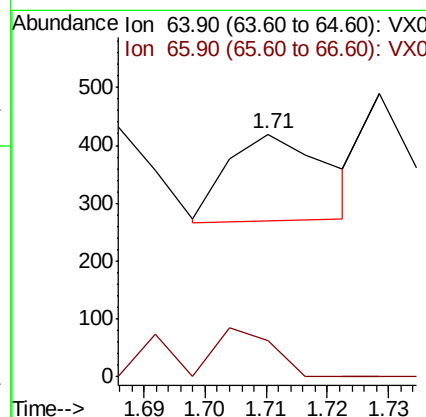
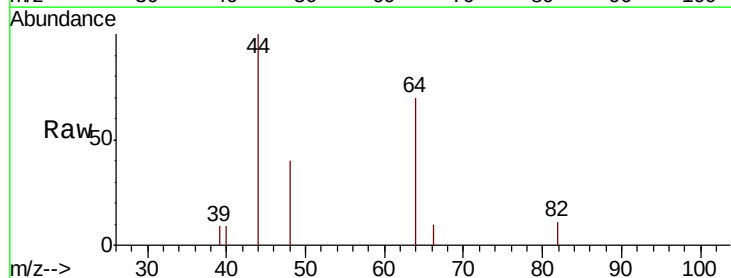
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

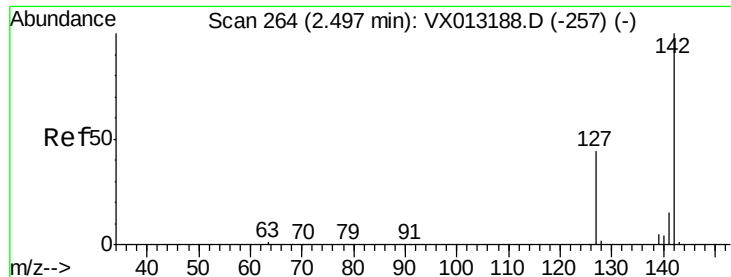
Tot Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 94.6 74.2 111.2



#6
Chloroethane
Concen: Below Cal
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 64 Resp: 167
Ion Ratio Lower Upper
64 100
66 42.5 25.0 37.6#

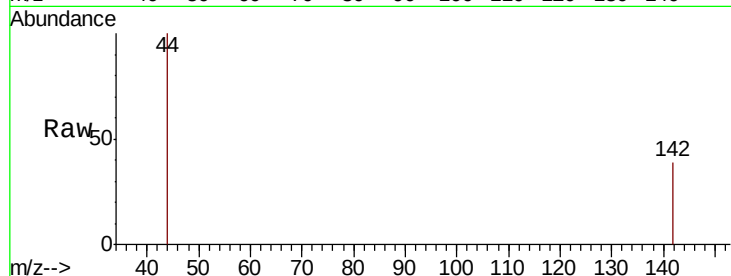




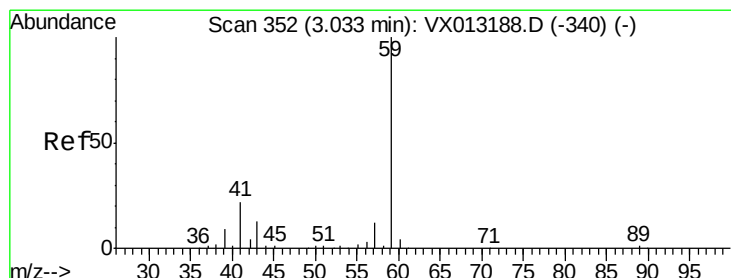
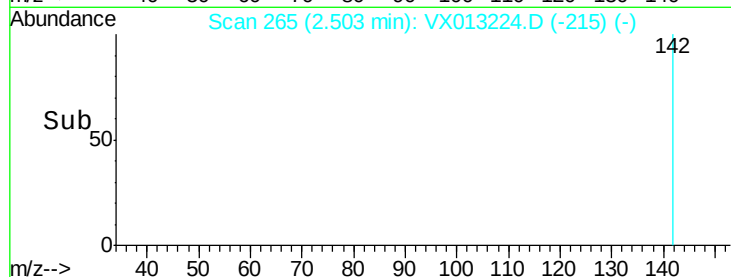
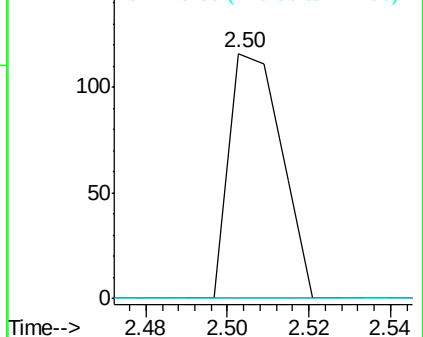
#10
Methyl Iodide
Concen: 3.598 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion: 142 Resp: 104
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.6 17.4#

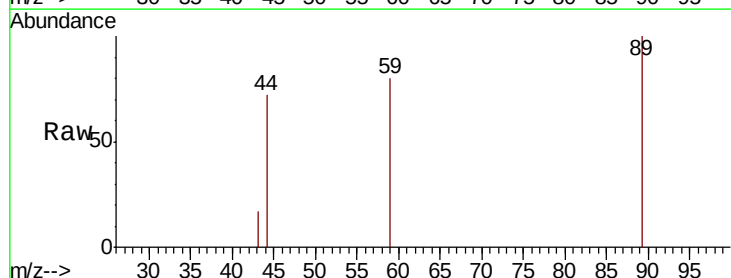


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

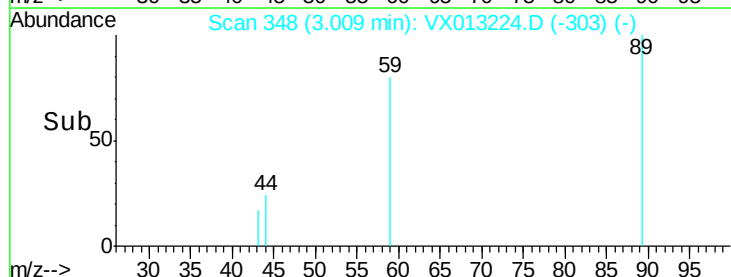
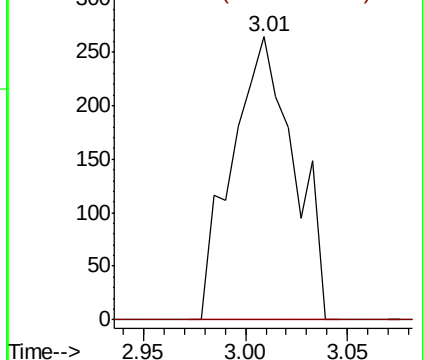


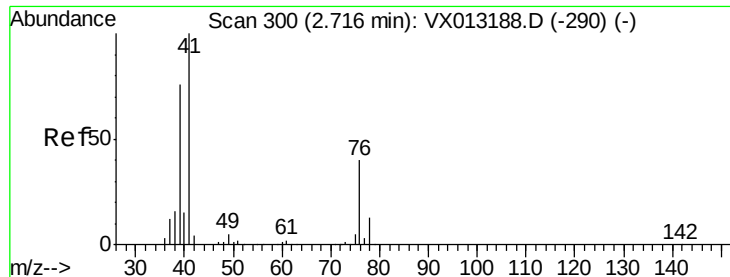
#11
Tert butyl alcohol
Concen: 0.572 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 59 Resp: 558
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

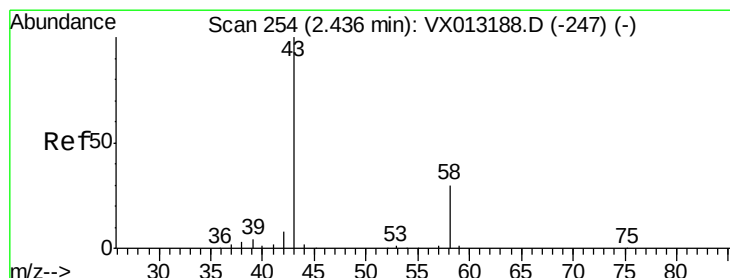
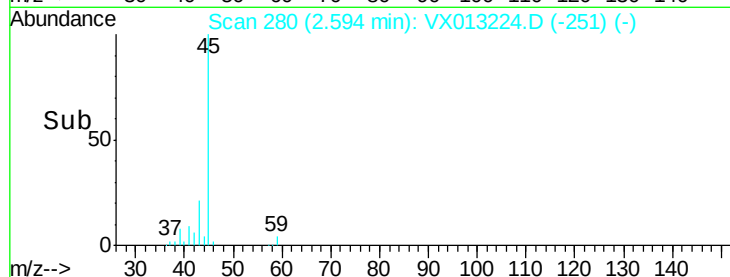
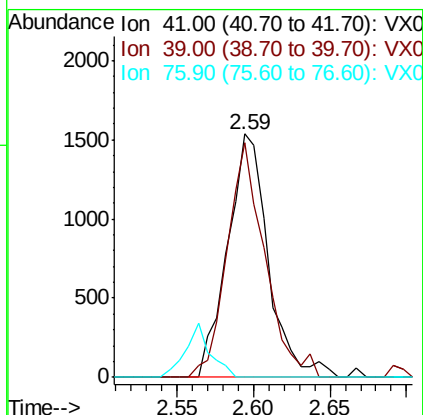
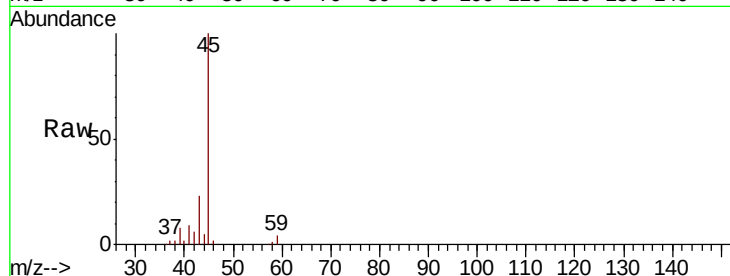




#14
Allvl chloride
Concen: 1.404 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

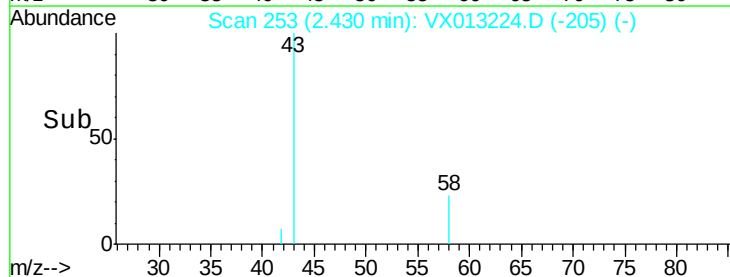
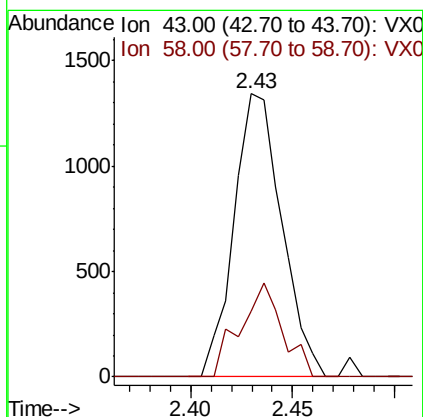
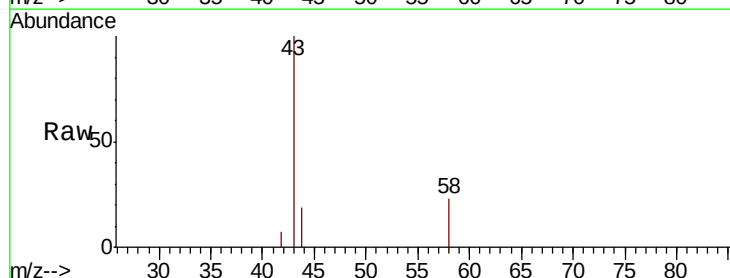
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

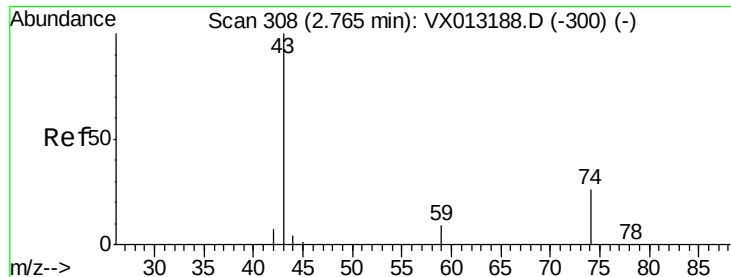
Tot Ion: 41 Resp: 2836
Ion Ratio Lower Upper
41 100
39 90.0 54.6 81.8#
76 0.0 29.8 44.6#



#16
Acetone
Concen: 2.948 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 43 Resp: 2189
Ion Ratio Lower Upper
43 100
58 23.4 23.8 35.6#

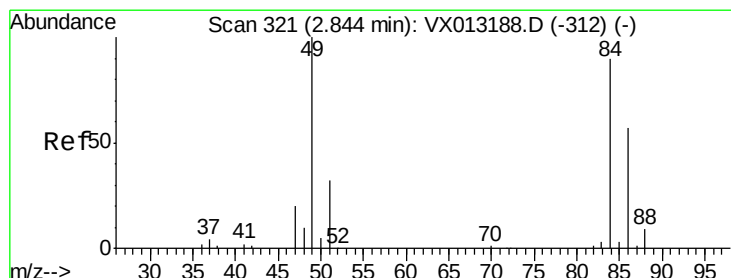
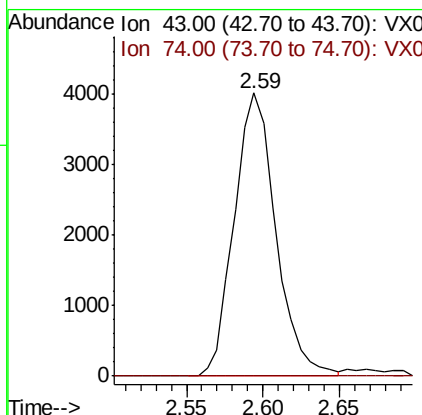
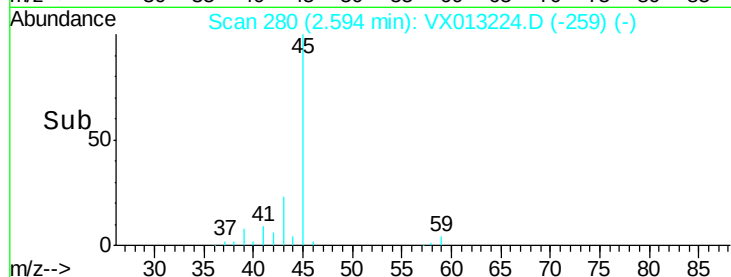
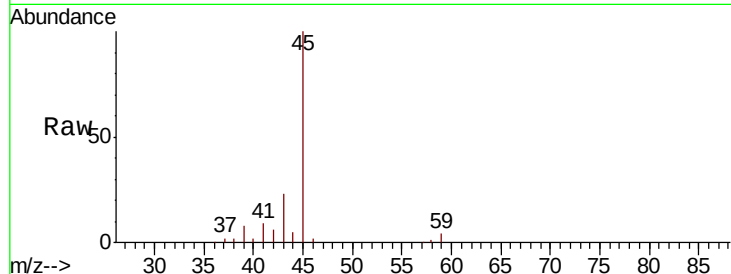




#18
Methvl Acetate
Concen: 5.559 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

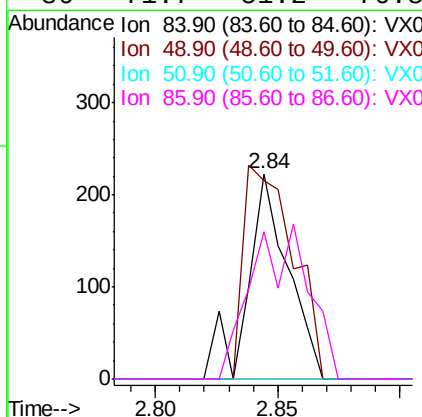
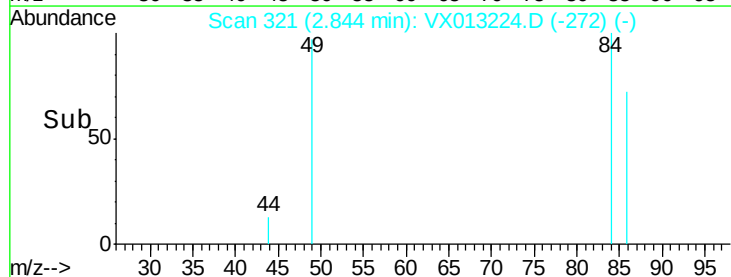
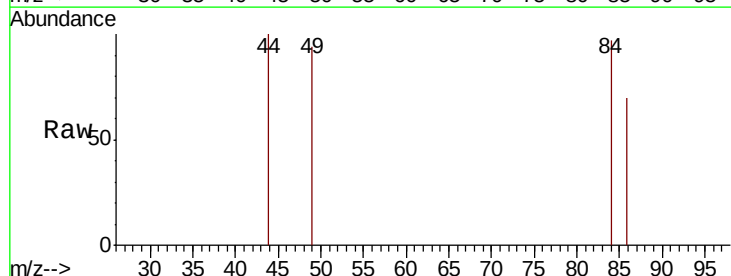
Instrument :
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STORAGE-BLANK-WATER-REF-4

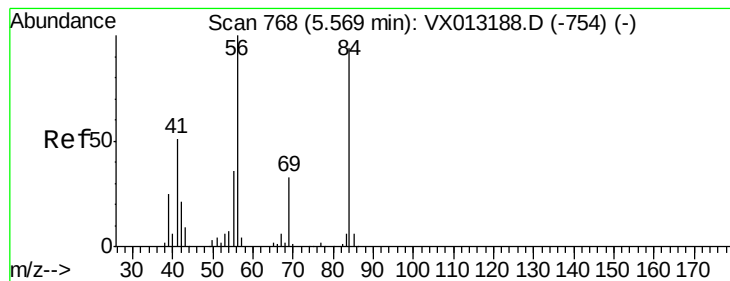
Tot Ion: 43 Resp: 7589
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.473 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 96.9 89.2 133.8
51 0.0 28.8 43.2#
86 71.7 51.2 76.8





#31

Cyclohexane

Concen: 0.728 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013224.D

Acq: 25 Oct 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

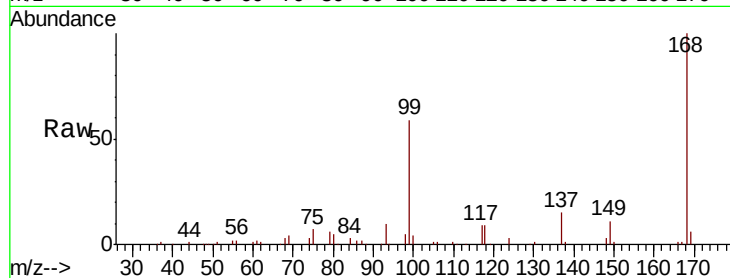
Tot Ion: 56 Resp: 1483

Ion Ratio Lower Upper

56 100

69 172.4 26.3 39.5#

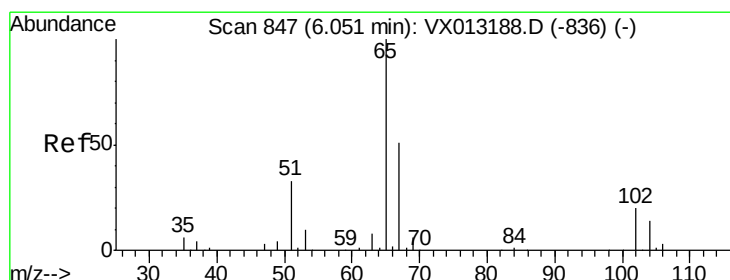
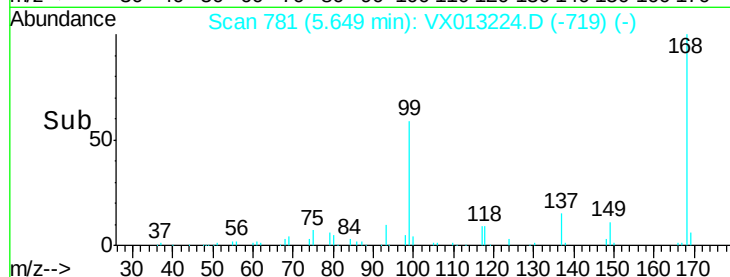
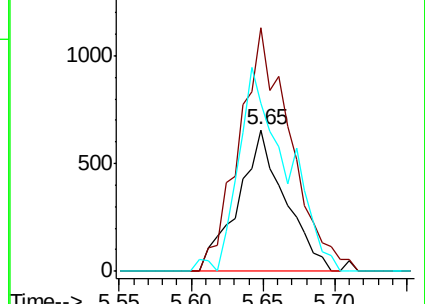
84 119.4 73.8 110.6#



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



#33

1,2-Dichloroethane-d4

Concen: 53.083 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013224.D

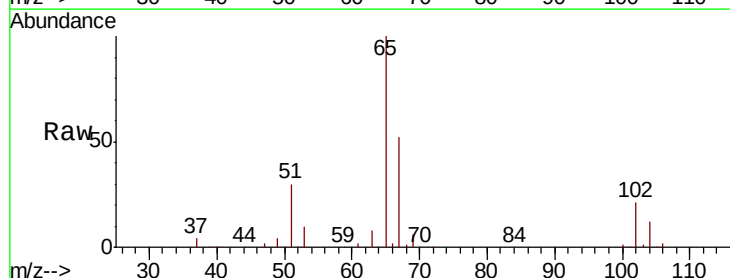
Acq: 25 Oct 2019 12:35

Tgt Ion: 65 Resp: 83652

Ion Ratio Lower Upper

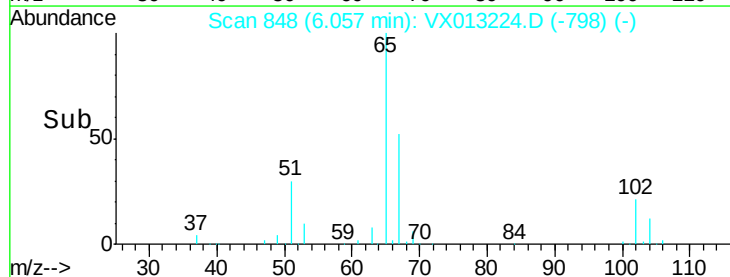
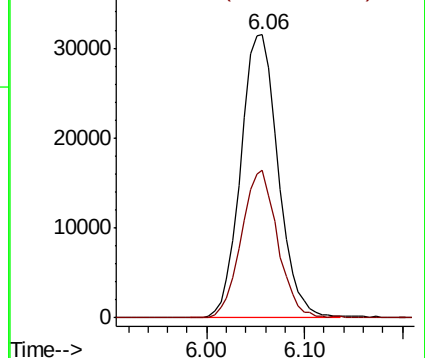
65 100

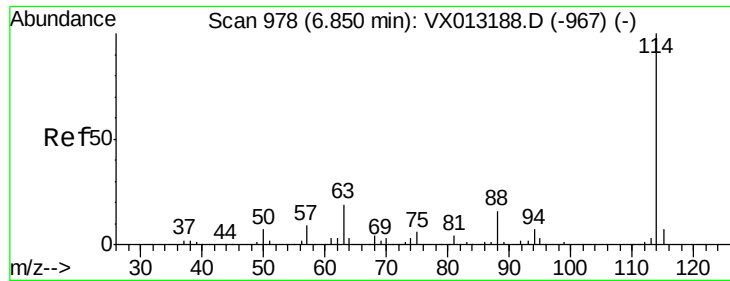
67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

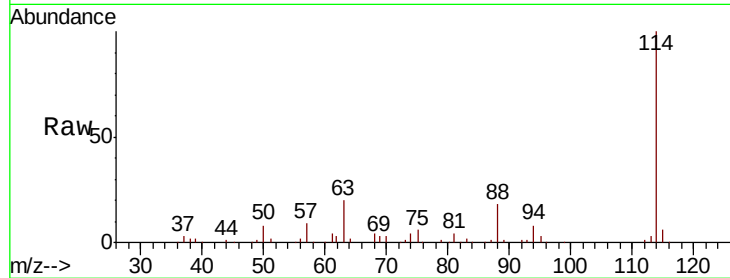




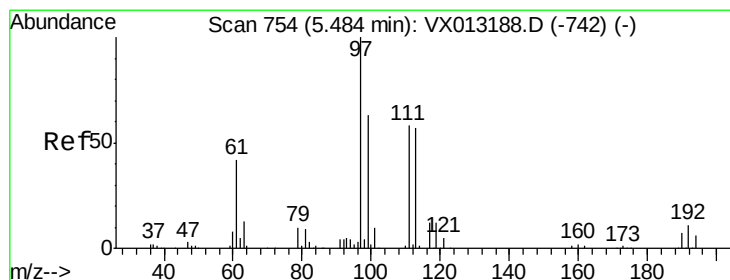
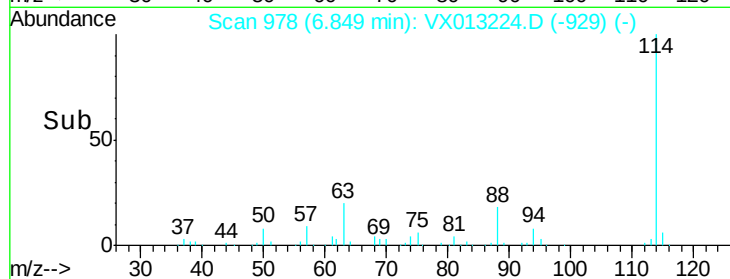
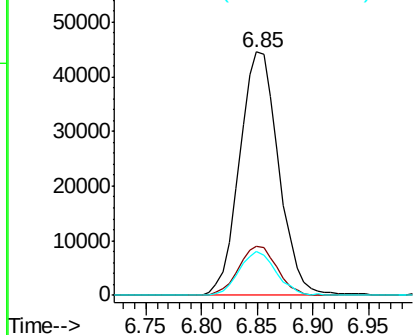
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Tot Ion:114 Resp: 108565
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.0
88 18.1 0.0 32.0

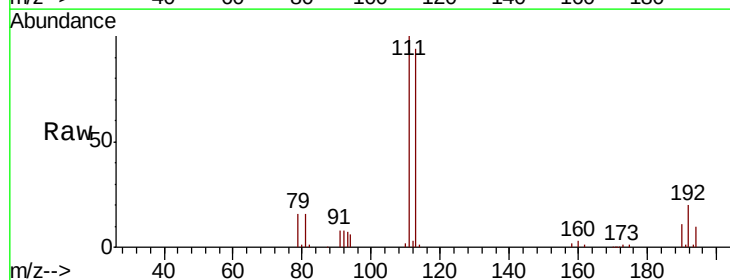


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

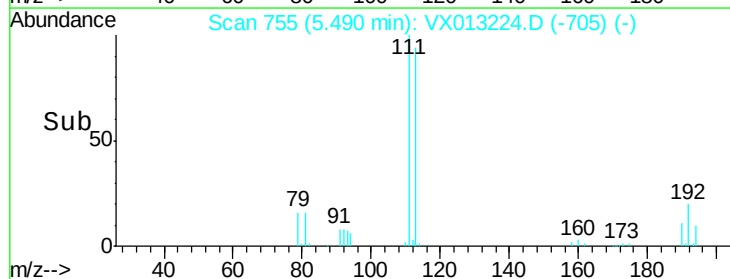
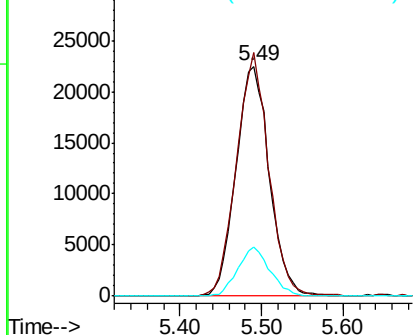


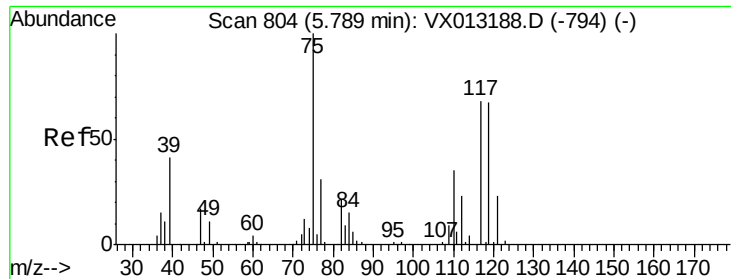
#35
Dibromofluoromethane
Concen: 52.776 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion:113 Resp: 63893
Ion Ratio Lower Upper
113 100
111 101.8 80.3 120.5
192 20.5 15.9 23.9



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: 2.877 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013224.D

Acq: 25 Oct 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

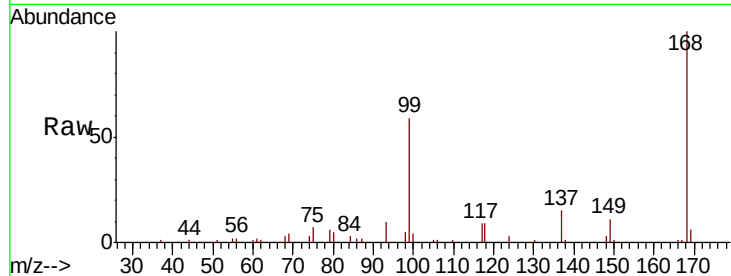
Tot Ion: 75 Resp: 5361

Ion Ratio Lower Upper

75 100

110 10.6 17.6 52.9#

77 0.0 24.7 37.1#



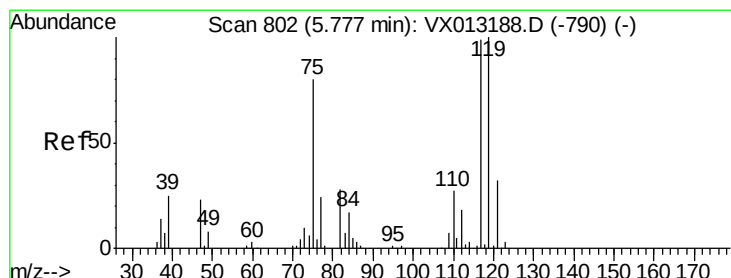
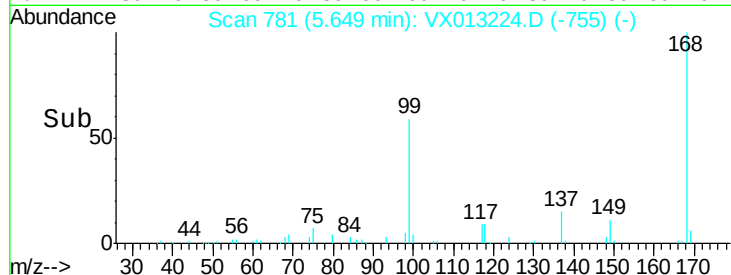
Abundance Ion 74.90 (74.60 to 75.60): VX013188.D (-794) (-)

Ion 109.90 (109.60 to 110.60): VX013188.D (-794) (-)

Ion 76.90 (76.60 to 77.60): VX013188.D (-794) (-)

5.65

Time-->



#38

Carbon Tetrachloride

Concen: 3.523 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013224.D

Acq: 25 Oct 2019 12:35

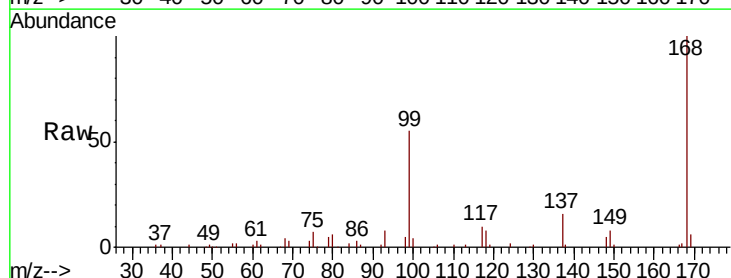
Tgt Ion: 117 Resp: 7070

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

121 0.0 25.5 38.3#



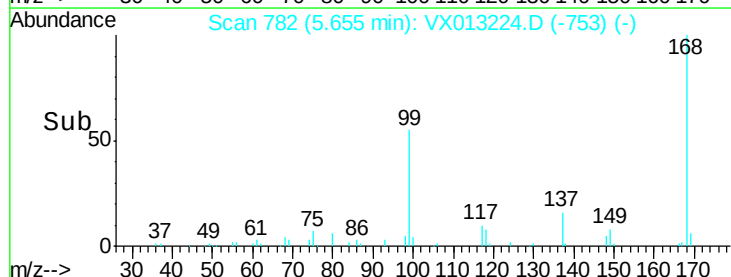
Abundance Ion 116.80 (116.50 to 117.50): VX013188.D (-790) (-)

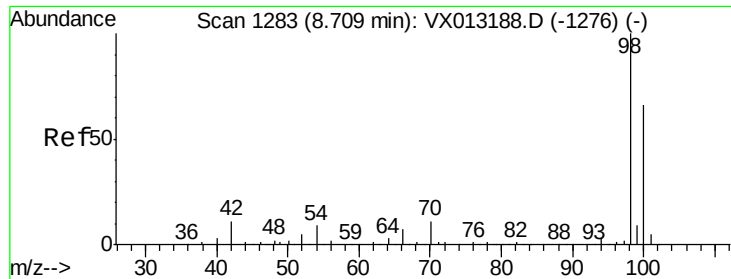
Ion 118.80 (118.50 to 119.50): VX013188.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX013188.D (-790) (-)

5.65

Time-->

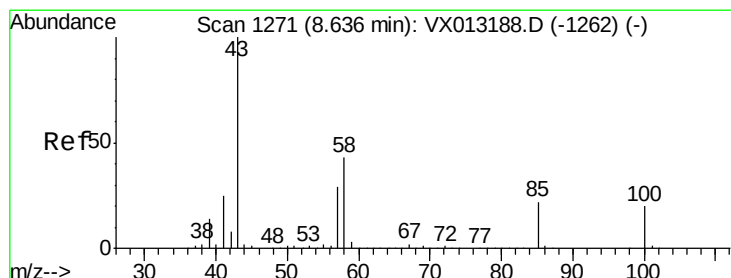
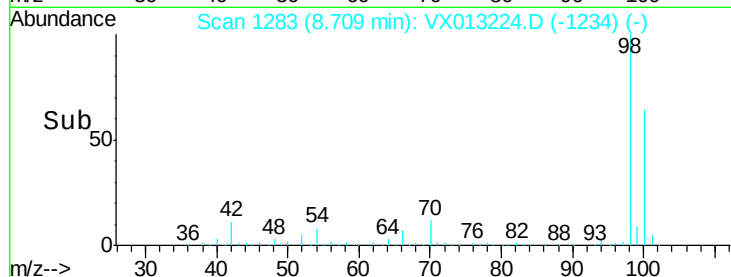
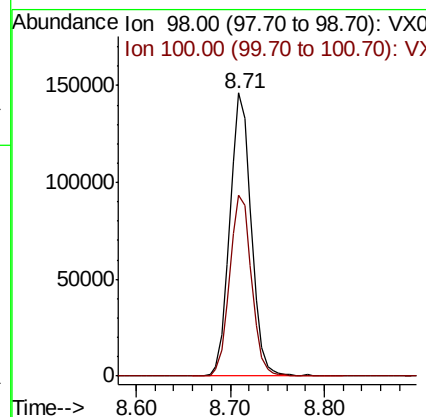
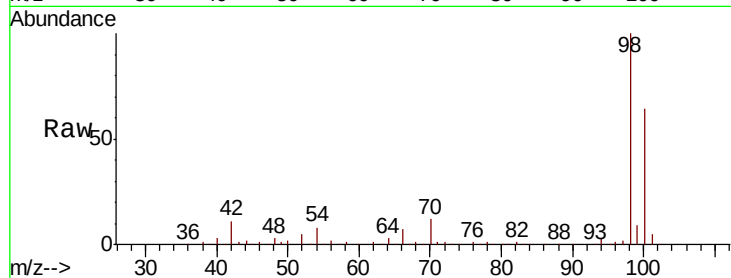




#50
Toluene-d8
Concen: 51.271 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

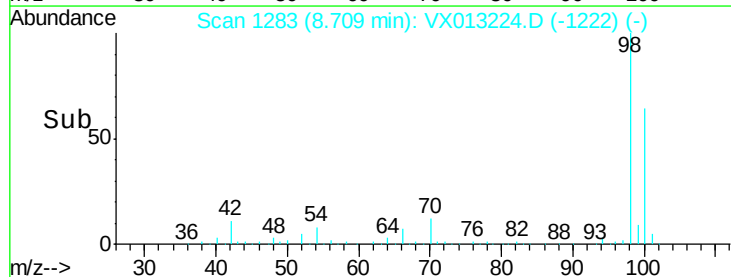
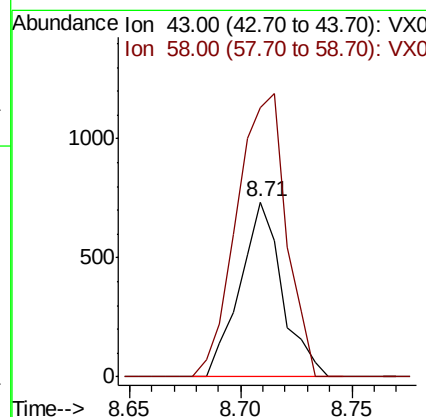
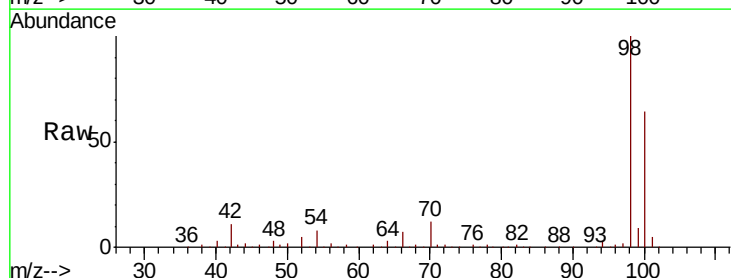
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

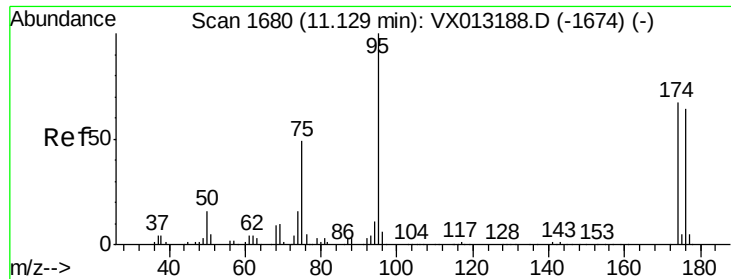
Tot Ion: 98 Resp: 230029
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.532 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 189.3 33.9 50.9#

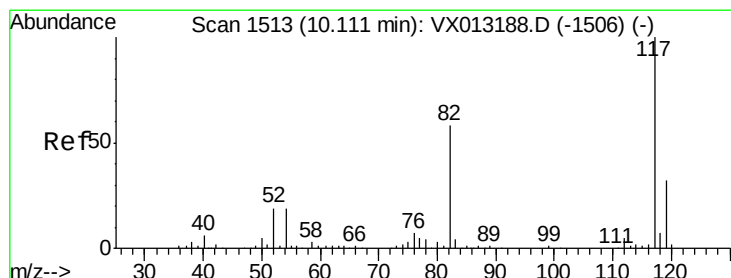
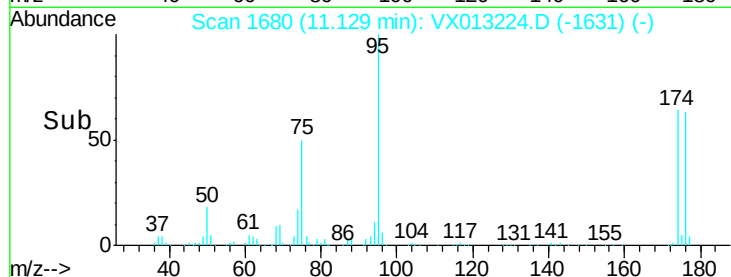
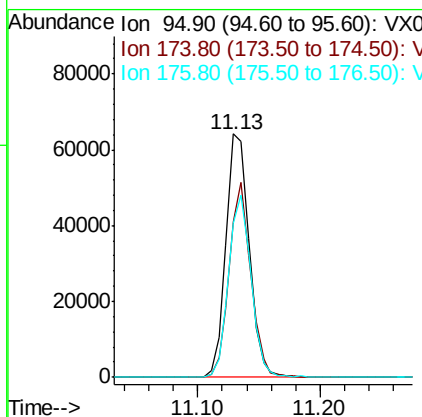
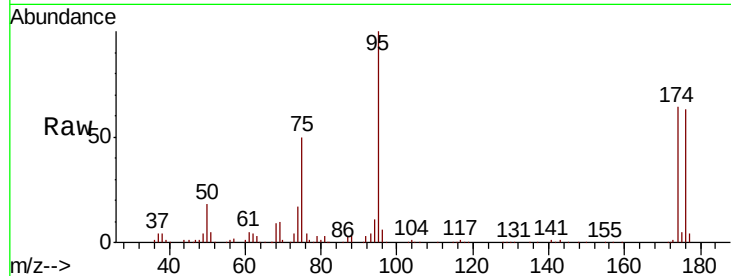




#62
4-Bromofluorobenzene
Concen: 47.456 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

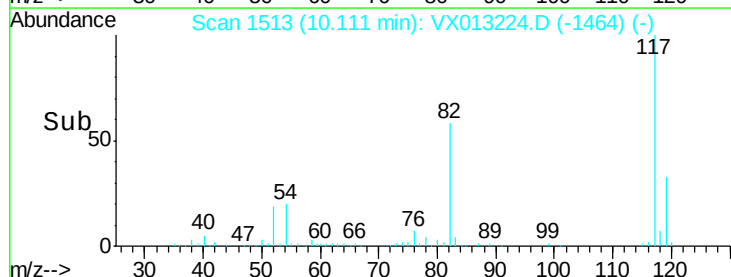
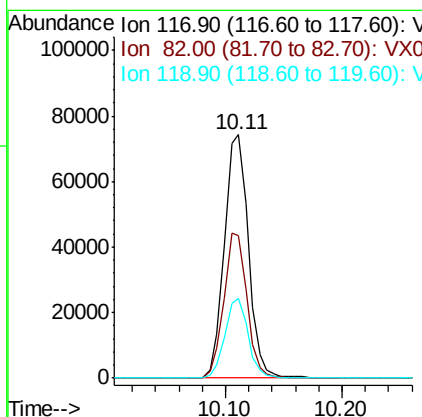
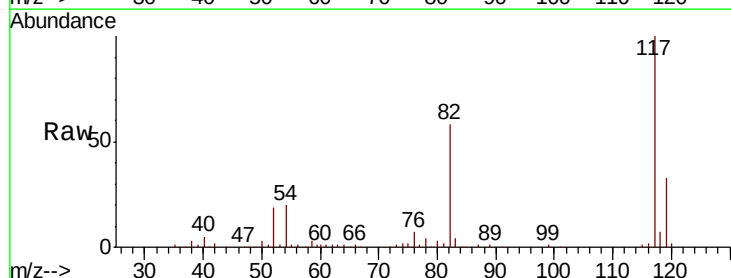
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

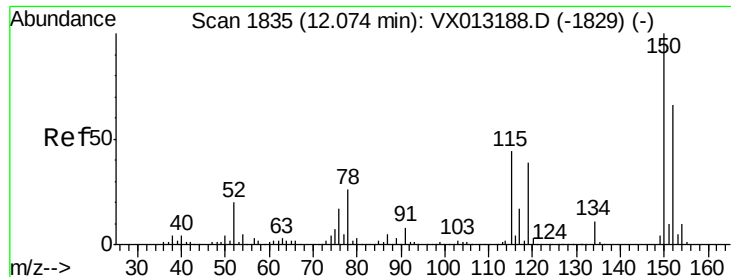
Tot Ion: 95 Resp: 84272
Ion Ratio Lower Upper
95 100
174 74.2 0.0 152.4
176 72.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013224.D
Acq: 25 Oct 2019 12:35

Tgt Ion: 117 Resp: 106504
Ion Ratio Lower Upper
117 100
82 58.4 46.5 69.7
119 32.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013224.D

Acq: 25 Oct 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

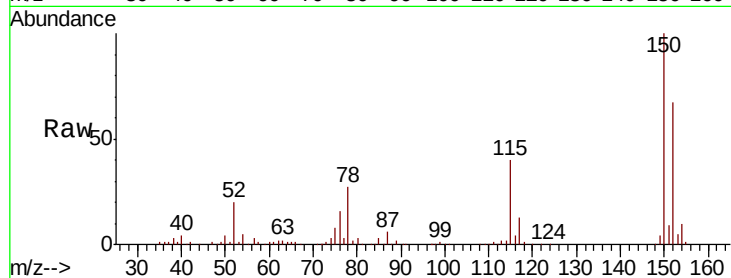
Tot Ion:152 Resp: 64195

Ion Ratio Lower Upper

152 100

115 61.9 46.6 139.8

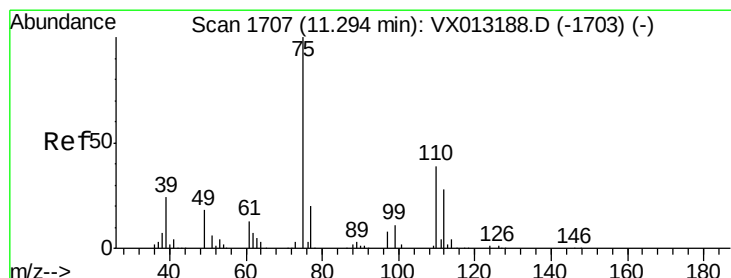
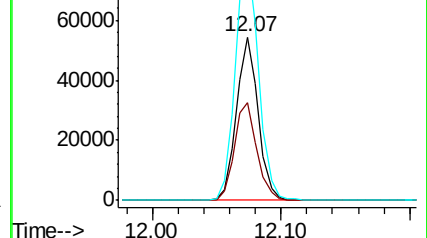
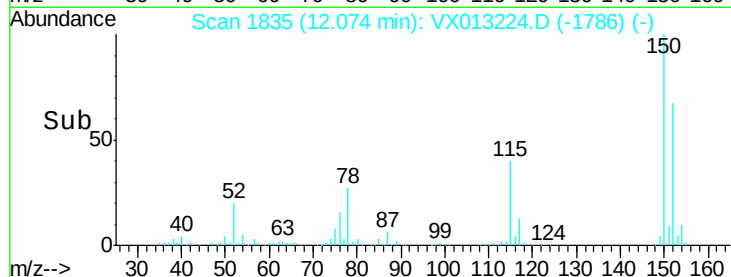
150 157.4 0.0 354.0



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: 26.963 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013224.D

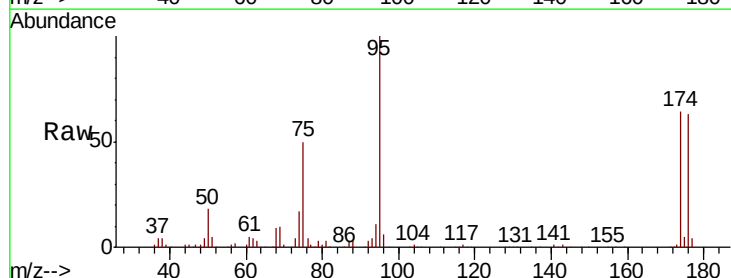
Acq: 25 Oct 2019 12:35

Tgt Ion: 75 Resp: 41717

Ion Ratio Lower Upper

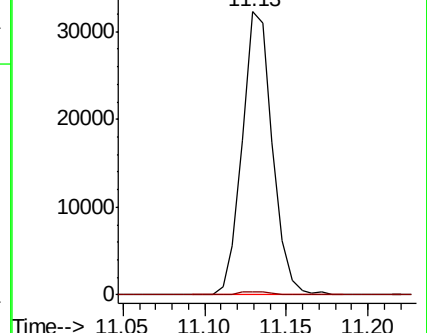
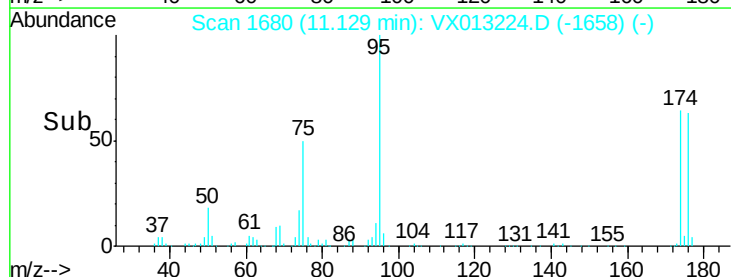
75 100

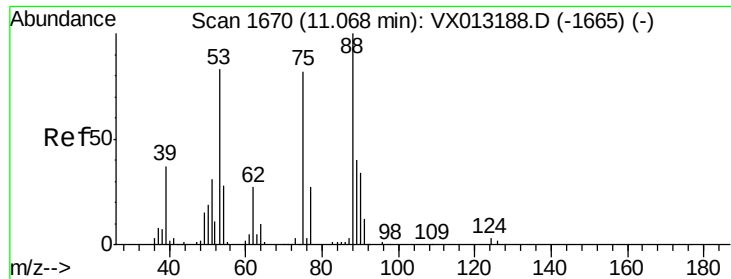
77 1.2 19.1 57.5#



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: 74.092 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013224.D

Acq: 25 Oct 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

Tot Ion: 75 Resp: 41717

Ion Ratio Lower Upper

75 100

53 0.1 77.9 116.9#

89 0.0 37.3 55.9#

