

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030520\
 Data File : VX015109.D
 Acq On : 05 Mar 2020 14:11
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 06 02:22:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	373626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	599002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	576826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	288529	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	224457	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
35) Dibromofluoromethane	5.49	113	184755	48.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	732451	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.14	95	265128	51.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.42%	

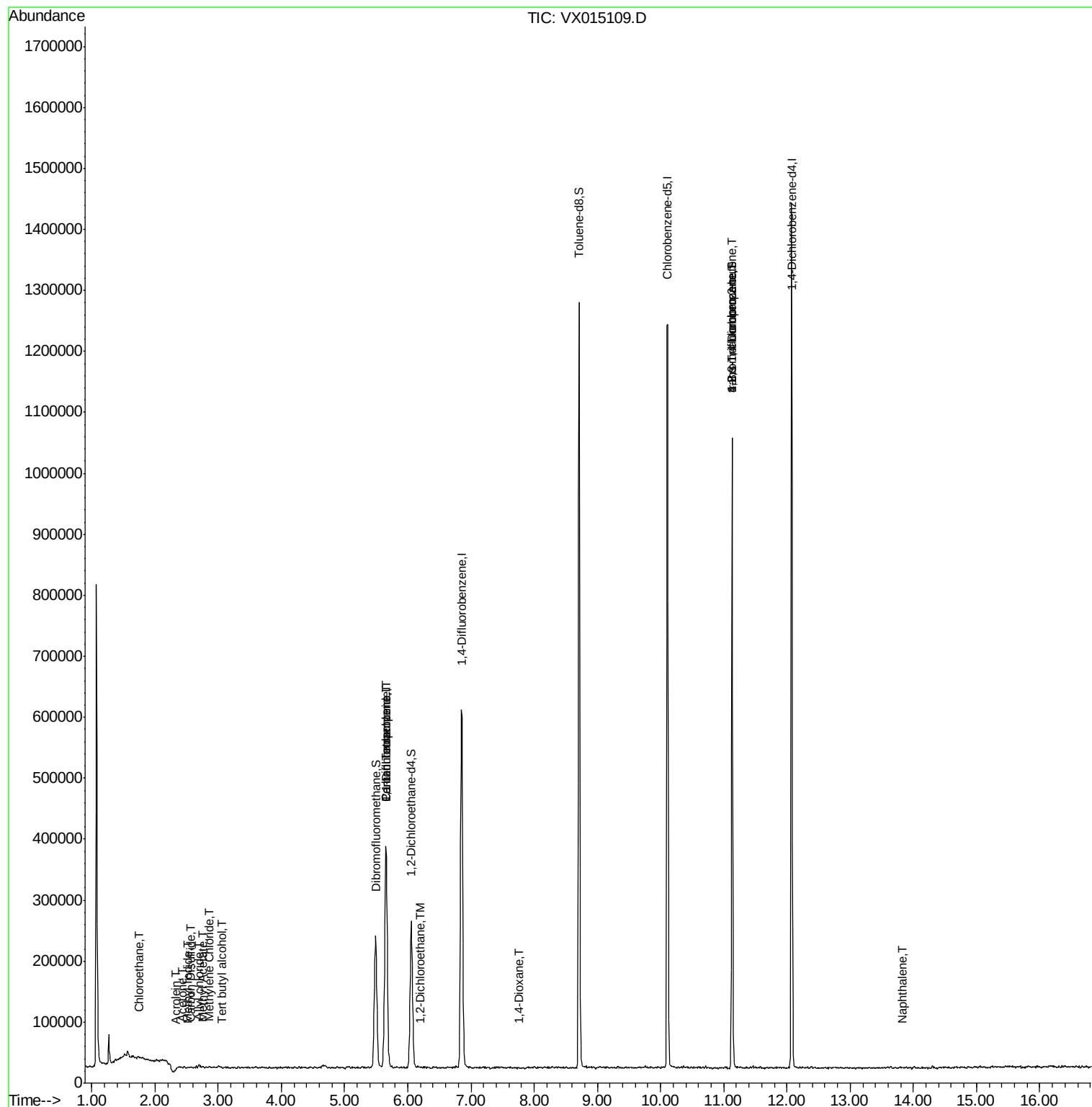
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	1760	0.624	ug/l #	51
10) Methyl Iodide	2.52	142	832	0.209	ug/l #	87
11) Tert butyl alcohol	3.06	59	240	0.312	ug/l #	1
13) Acrolein	2.33	56	924	1.278	ug/l #	15
14) Allyl chloride	2.70	41	4805	0.759	ug/l #	57
16) Acetone	2.43	43	1469	0.818	ug/l #	77
17) Carbon Disulfide	2.57	76	2789	0.277	ug/l #	81
18) Methyl Acetate	2.76	43	1427	0.325	ug/l #	62
20) Methylene Chloride	2.85	84	969	0.231	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	24239	4.377	ug/l #	53
38) Carbon Tetrachloride	5.65	117	33188	6.349	ug/l #	17
42) 1,2-Dichloroethane	6.19	62	1176	0.208	ug/l #	55
49) 1,4-Dioxane	7.76	88	160	1.609	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	130585	22.690	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	130585	64.393	ug/l #	11
95) Naphthalene	13.83	128	574	1.449	ug/l #	20

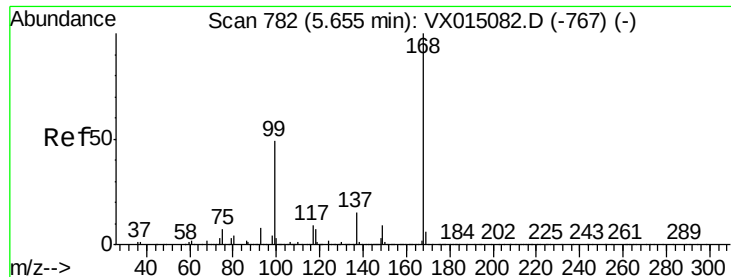
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 04 14:19:10 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 783

Delta R.T. 0.01 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampled :

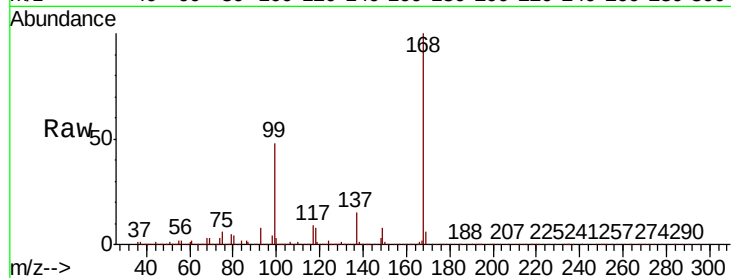
IBLK

Tot Ion:168 Resp: 373626

Ion Ratio Lower Upper

168 100

99 47.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

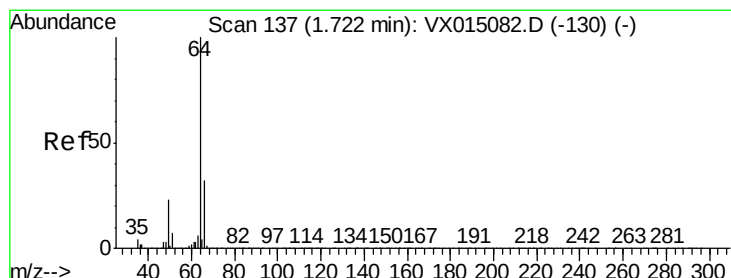
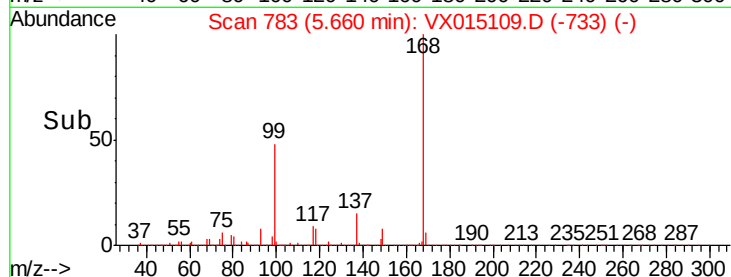
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.624 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX015109.D

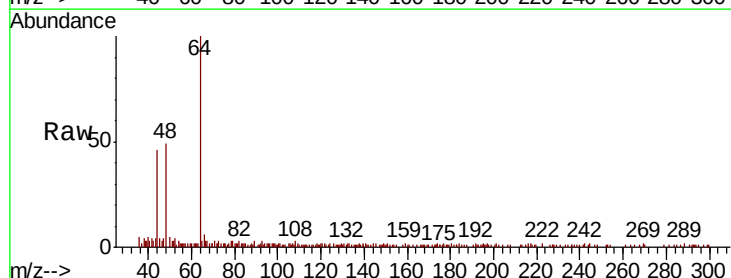
Acq: 05 Mar 2020 14:11

Tgt Ion: 64 Resp: 1760

Ion Ratio Lower Upper

64 100

66 5.1 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

8000

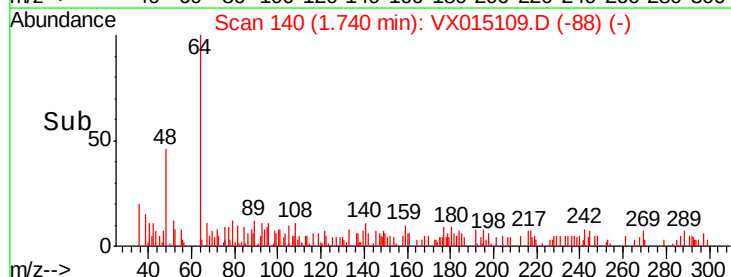
6000

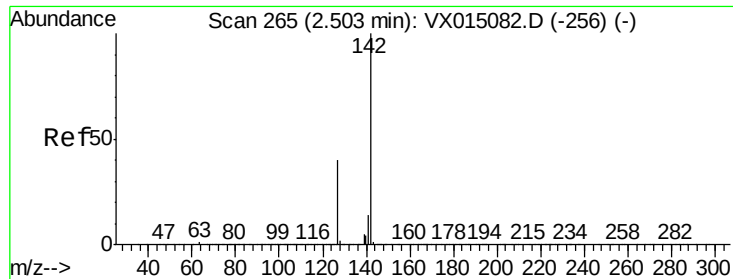
4000

2000

0

Time-->

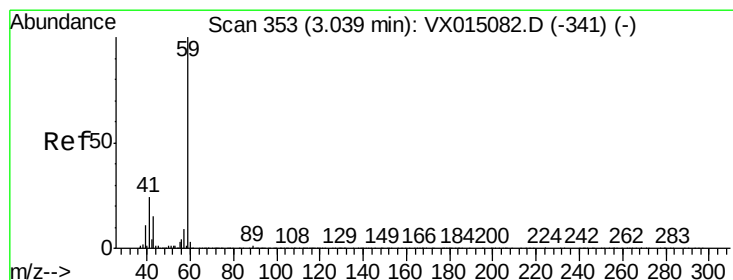
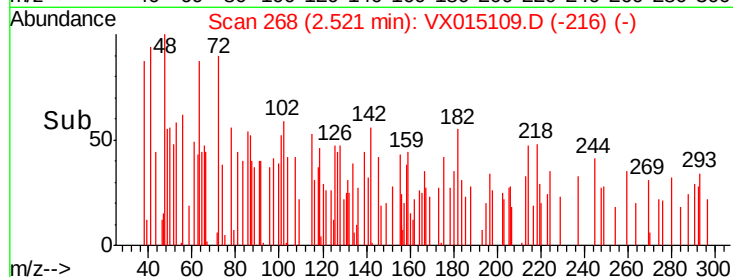
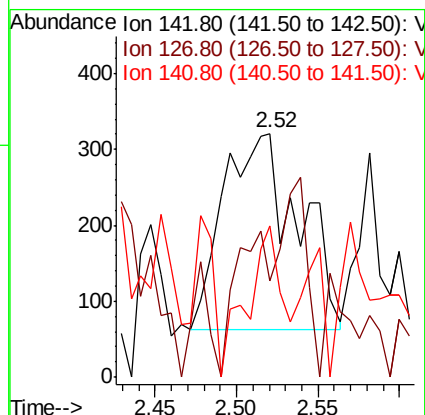
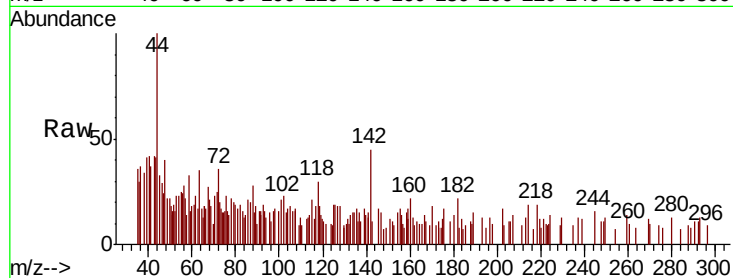




#10
Methvl Iodide
Concen: 0.209 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.02 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

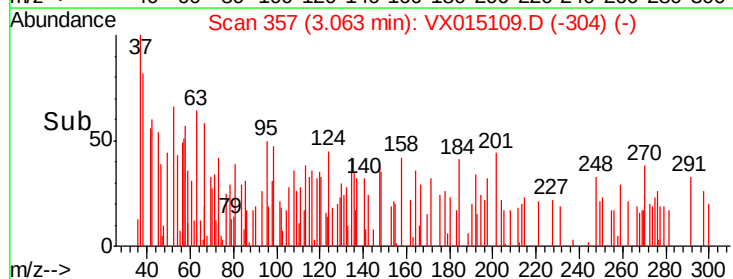
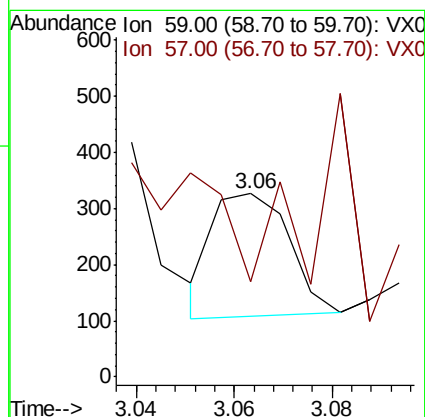
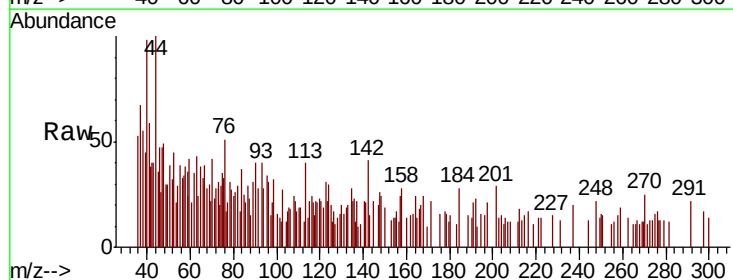
Instrument :
MSVOA_X
ClientSampled :
IBLK

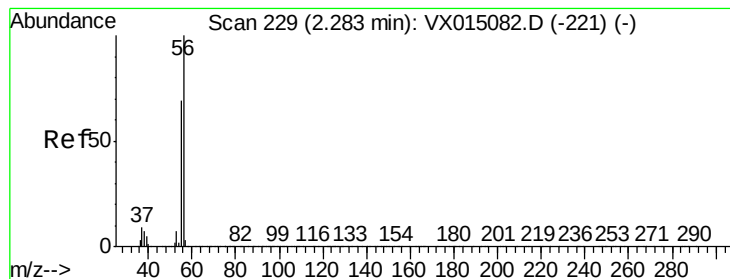
Tot Ion:142 Resp: 832
Ion Ratio Lower Upper
142 100
127 33.9 31.7 47.5
141 24.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.312 ug/l
RT: 3.06 min Scan# 357
Delta R.T. 0.02 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 206.3 8.2 12.4#





#13

Acrolein

Concen: 1.278 ug/l

RT: 2.33 min Scan# 237

Delta R.T. 0.05 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

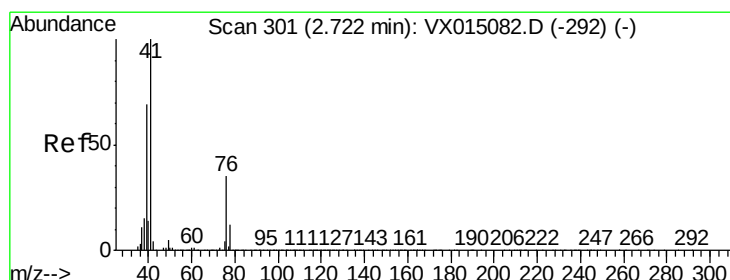
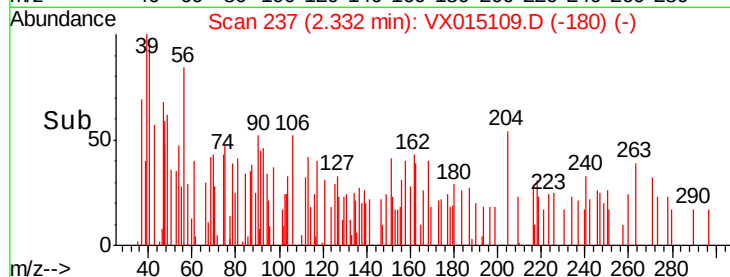
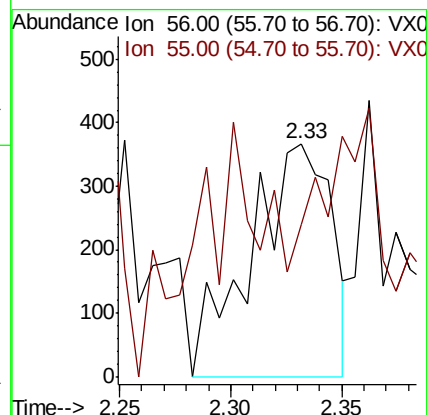
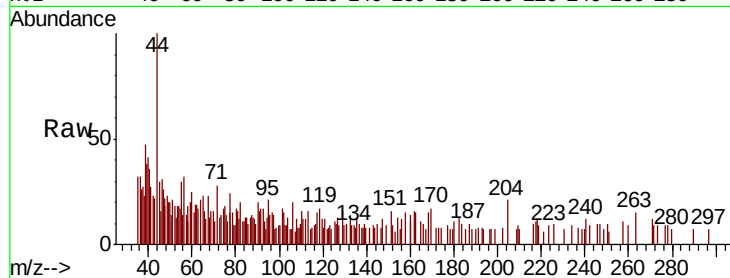
IBLK

Tot Ion: 56 Resp: 924

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#14

Allyl chloride

Concen: 0.759 ug/l

RT: 2.70 min Scan# 297

Delta R.T. -0.02 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

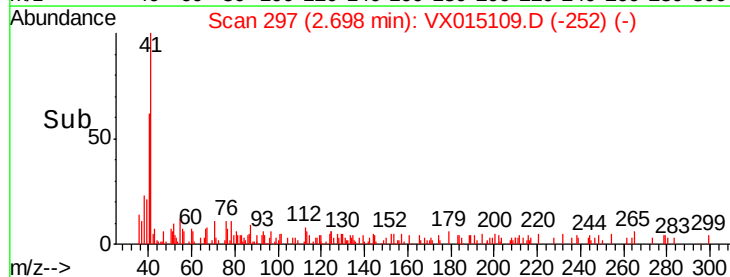
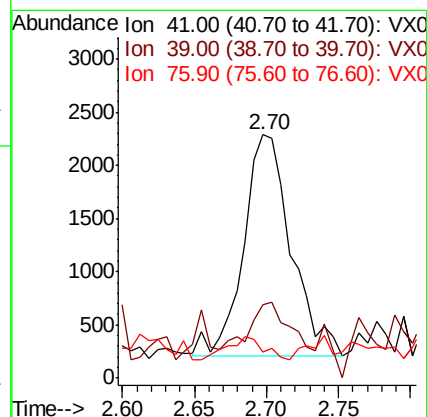
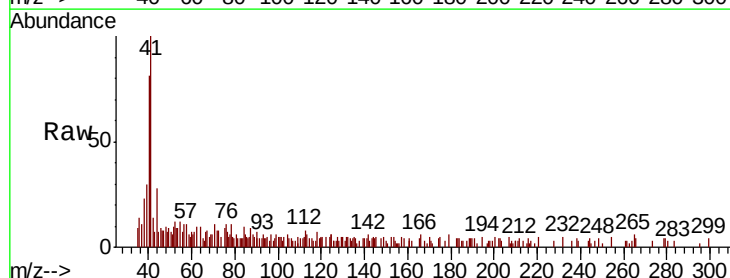
Tgt Ion: 41 Resp: 4805

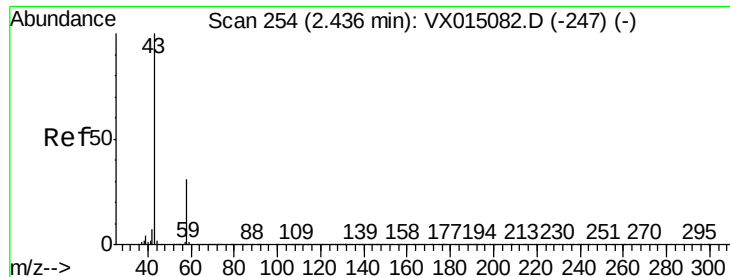
Ion Ratio Lower Upper

41 100

39 27.7 52.9 79.3#

76 14.4 26.8 40.2#

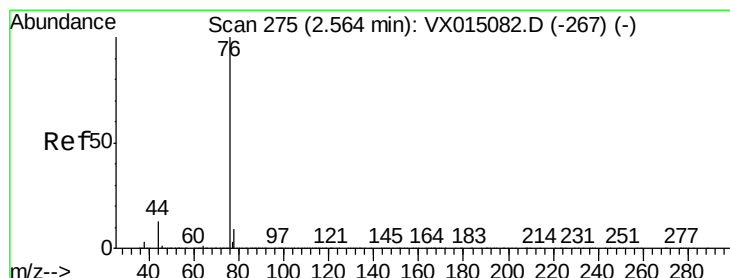
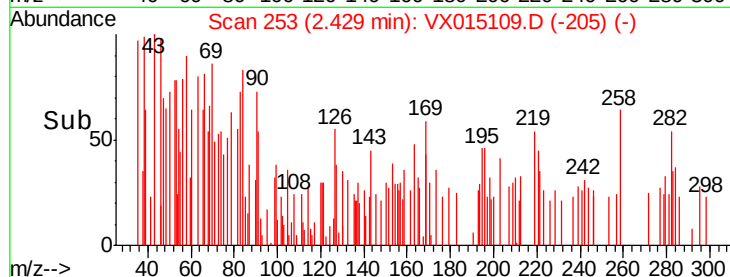
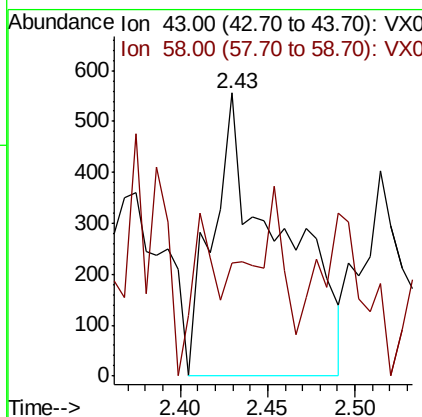
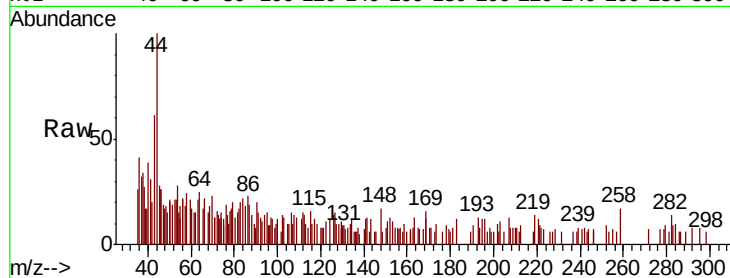




#16
Acetone
Concen: 0.818 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

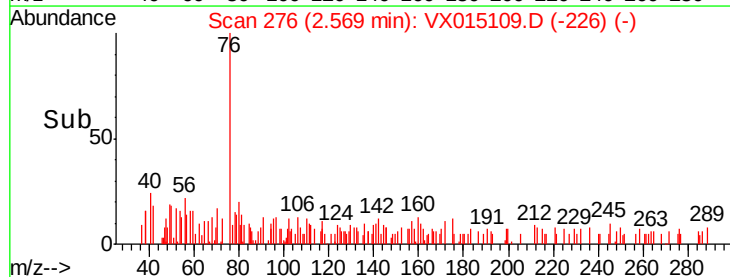
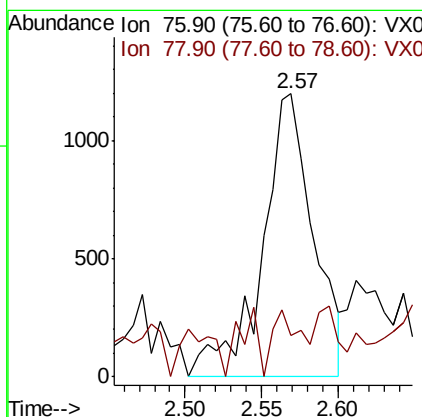
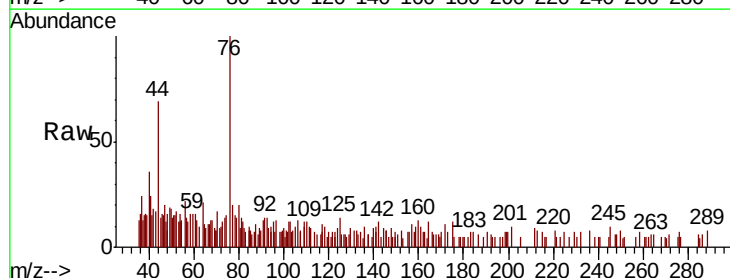
Instrument :
MSVOA_X
ClientSampleId :
IBLK

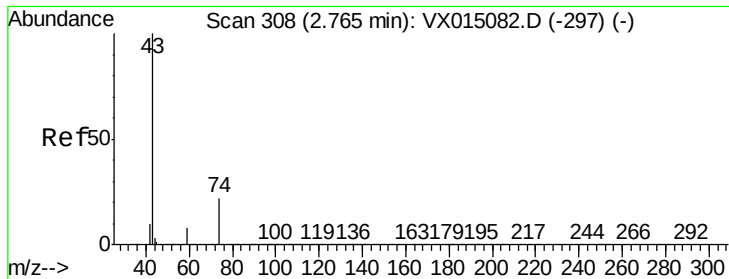
Tot Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
58 18.5 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion: 76 Resp: 2789
Ion Ratio Lower Upper
76 100
78 2.3 7.3 10.9#

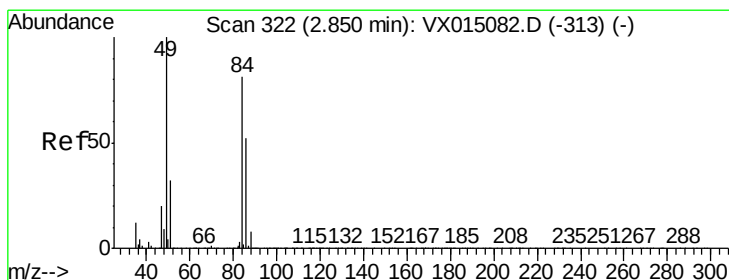
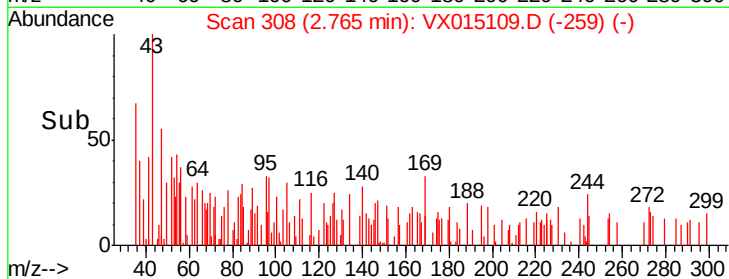
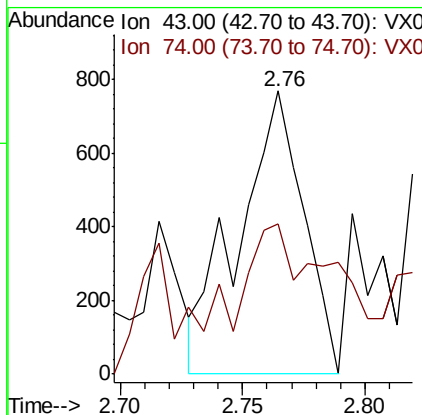
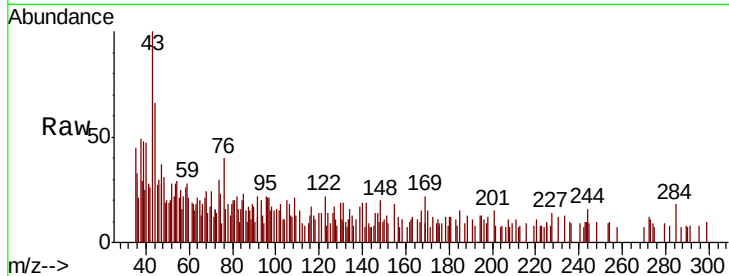




#18
Methyl Acetate
Concen: 0.325 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

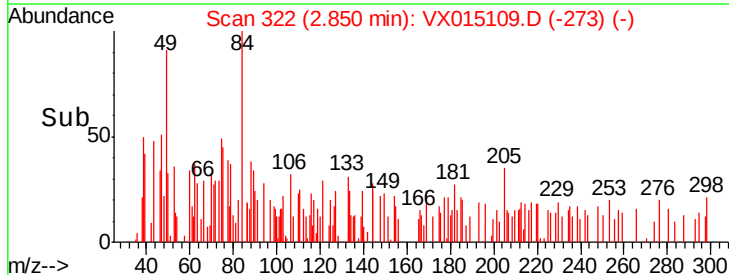
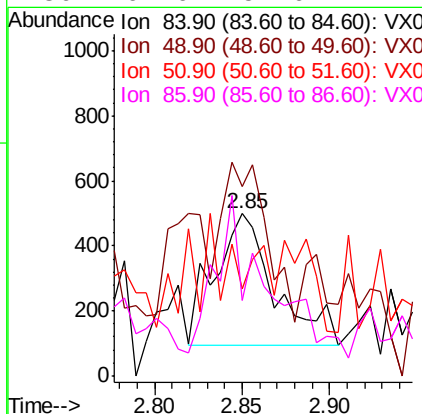
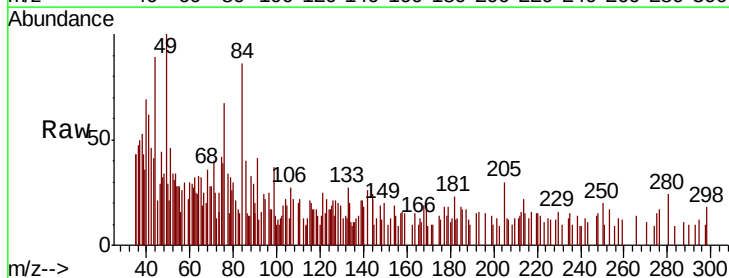
Instrument :
MSVOA_X
ClientSampled :
IBLK

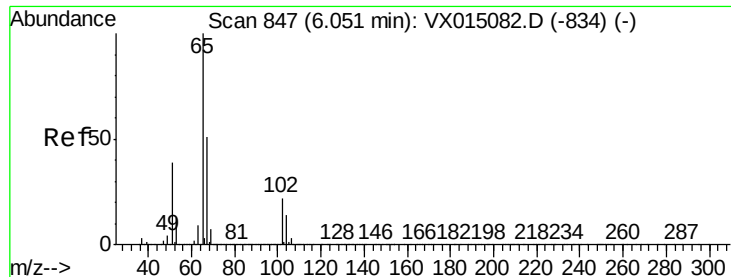
Tot Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 42.2 18.8 28.2#



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion: 84 Resp: 969
Ion Ratio Lower Upper
84 100
49 90.3 99.4 149.2#
51 33.7 31.5 47.3
86 62.6 51.6 77.4





#33

1,2-Dichloroethane-d4

Concen: 50.638 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

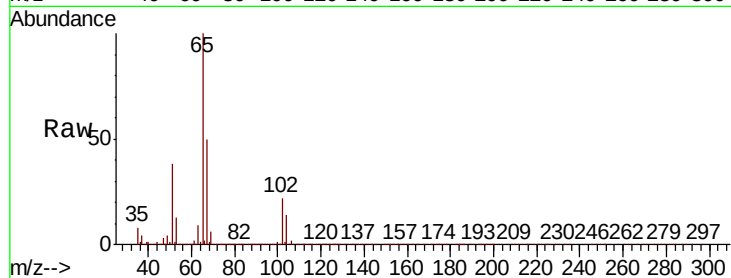
IBLK

Tot Ion: 65 Resp: 224457

Ion Ratio Lower Upper

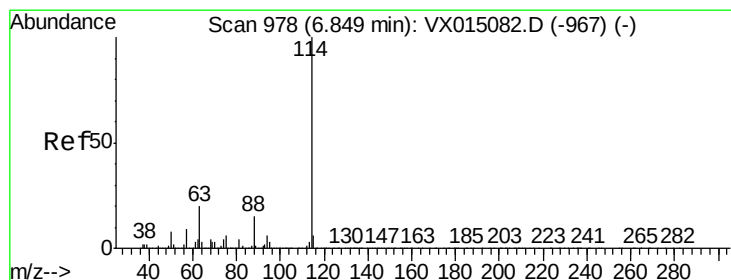
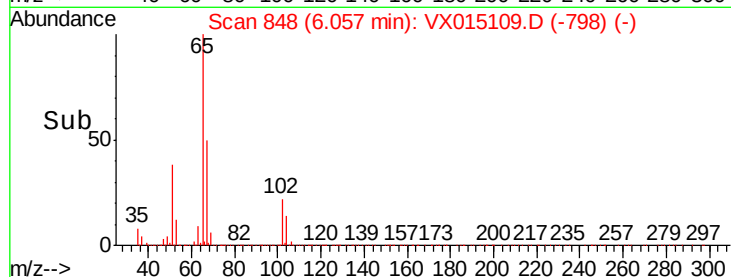
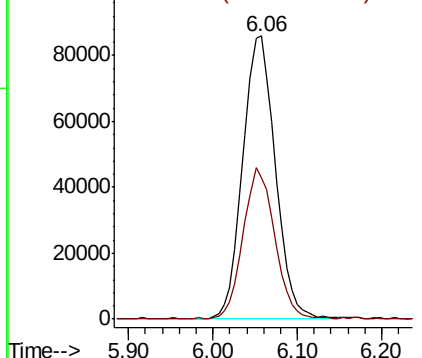
65 100

67 51.6 0.0 105.6



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: VX015109.D

Acq: 05 Mar 2020 14:11

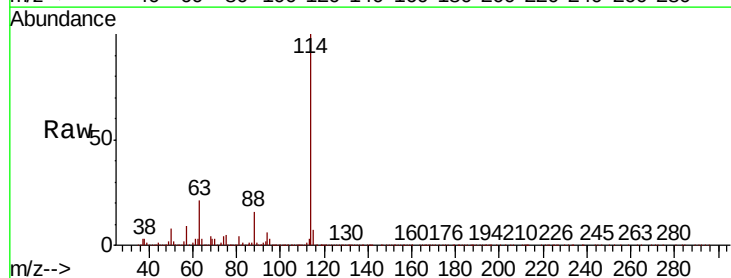
Tgt Ion: 114 Resp: 599002

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.0

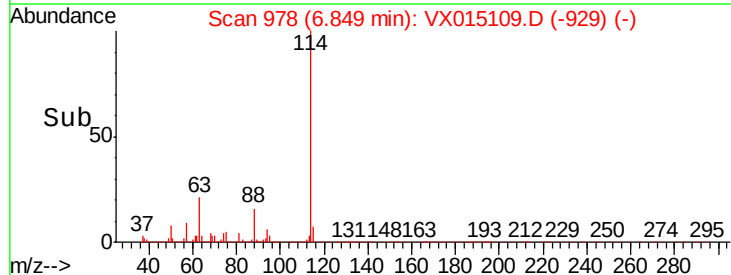
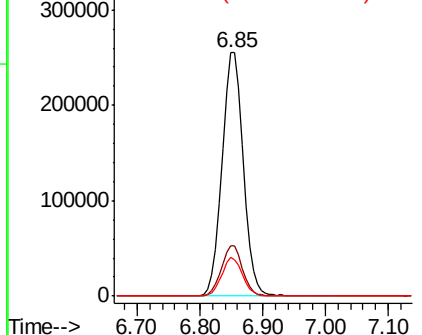
88 15.9 0.0 30.6

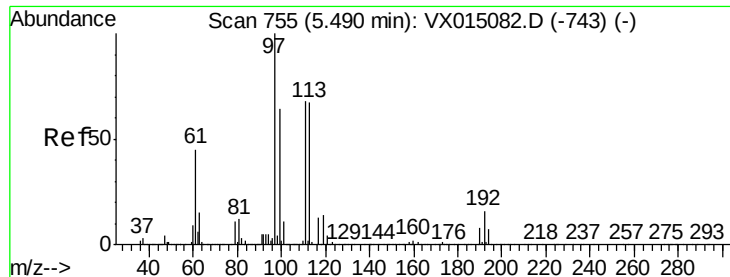


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.891 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

IBLK

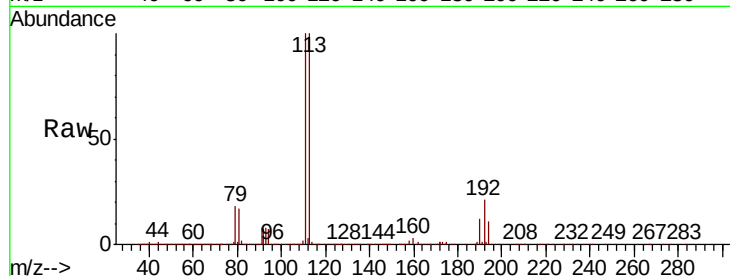
Tot Ion:113 Resp: 184755

Ion Ratio Lower Upper

113 100

111 100.7 82.6 123.8

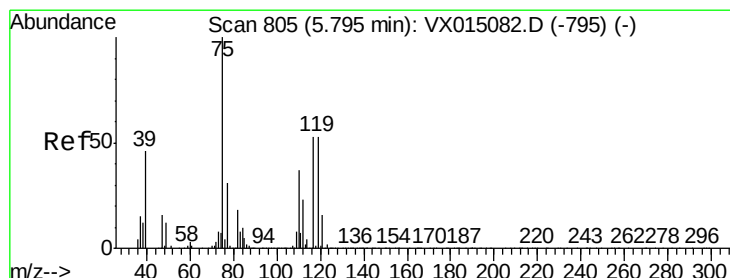
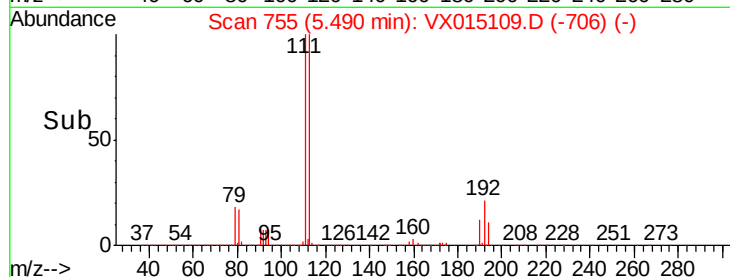
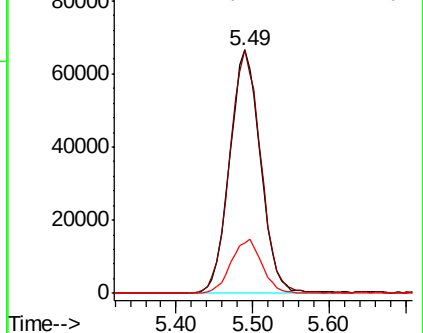
192 22.6 18.6 28.0



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: 4.377 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

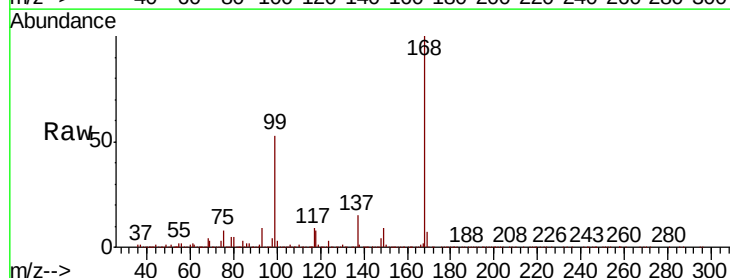
Tgt Ion: 75 Resp: 24239

Ion Ratio Lower Upper

75 100

110 10.7 17.9 53.8#

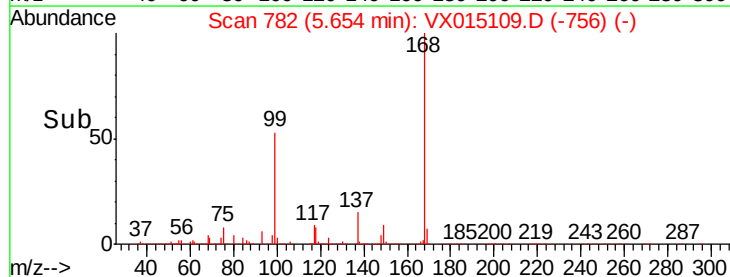
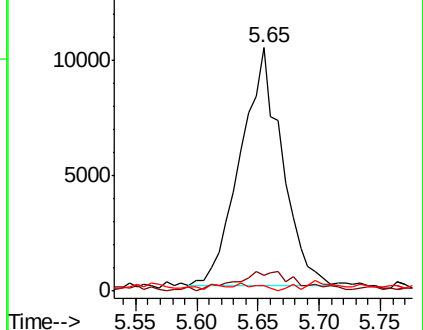
77 2.0 24.8 37.2#

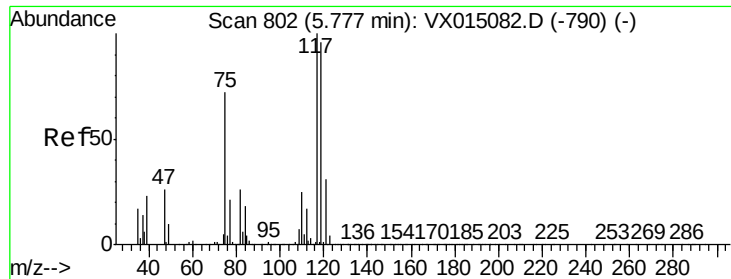


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.349 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

IBLK

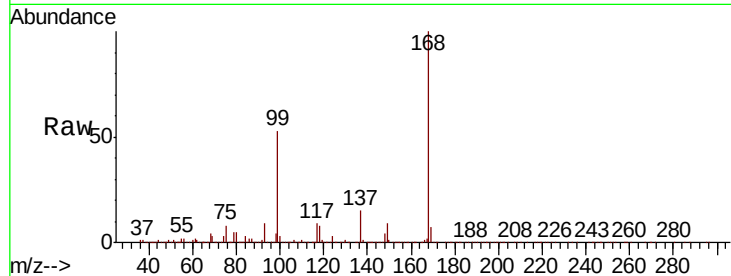
Tot Ion:117 Resp: 33188

Ion Ratio Lower Upper

117 100

119 6.3 76.9 115.3#

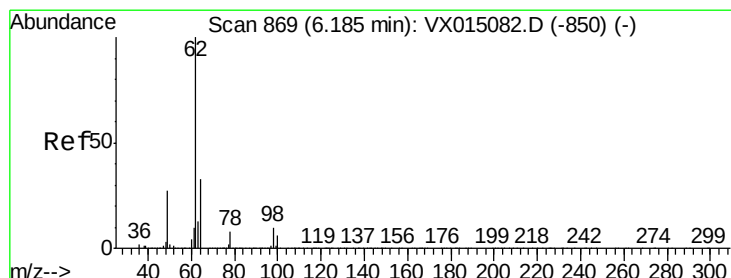
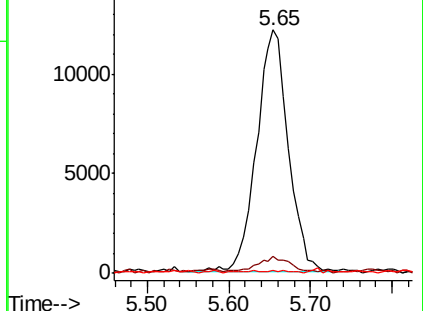
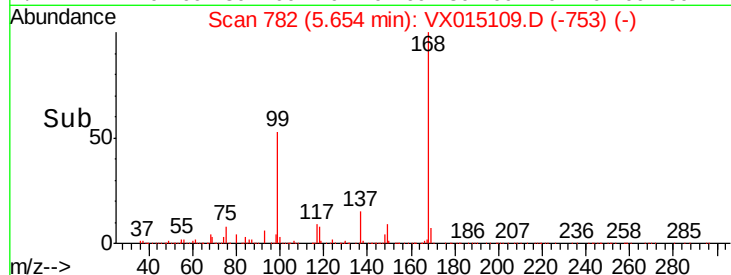
121 0.4 24.6 37.0#



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



#42

1,2-Dichloroethane

Concen: 0.208 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX015109.D

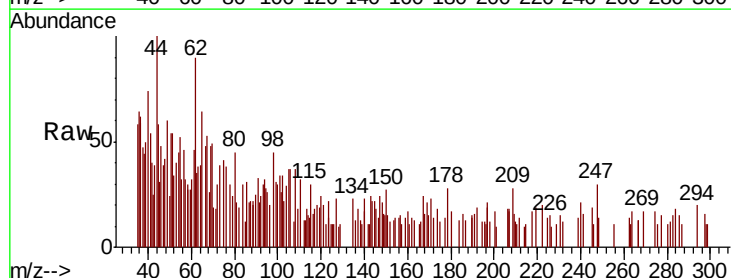
Acq: 05 Mar 2020 14:11

Tgt Ion: 62 Resp: 1176

Ion Ratio Lower Upper

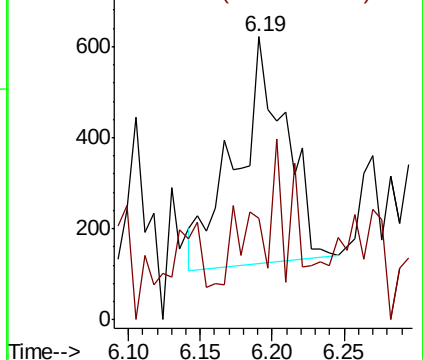
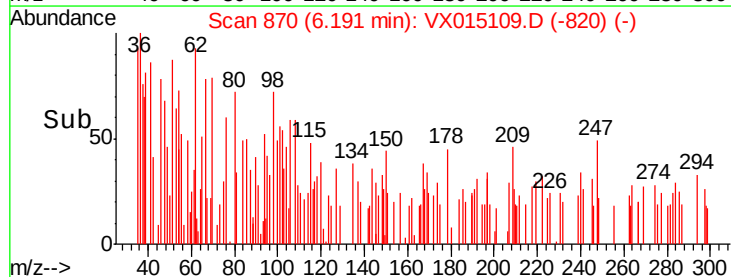
62 100

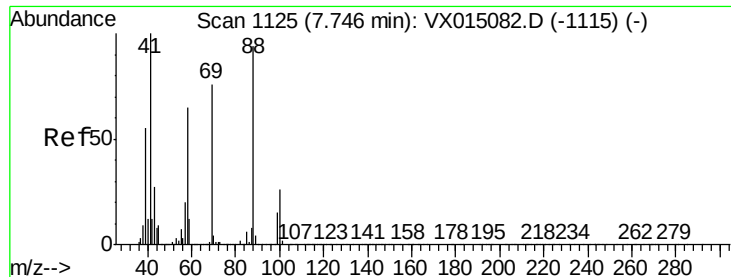
98 27.0 0.0 20.6#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

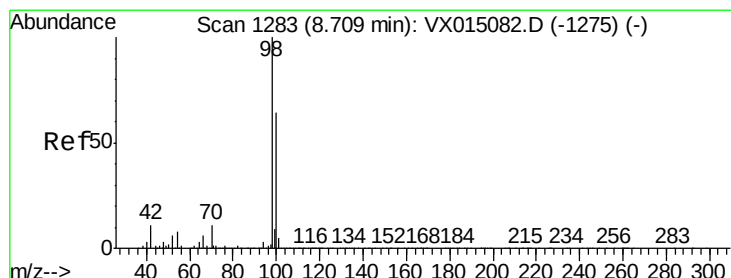
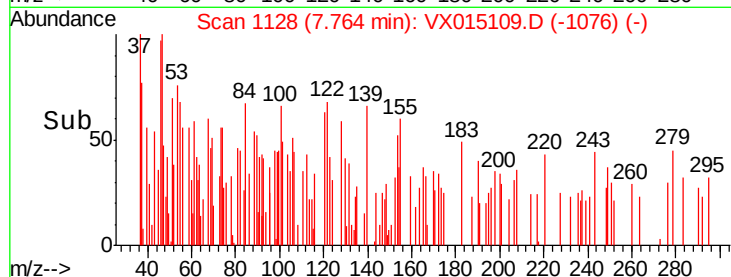
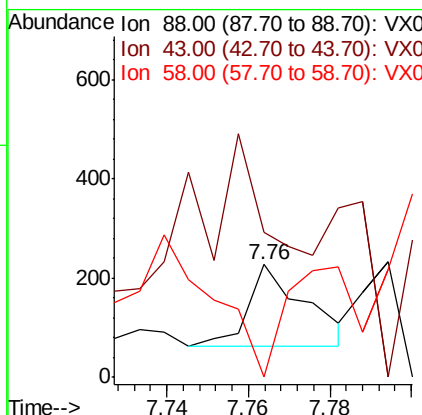
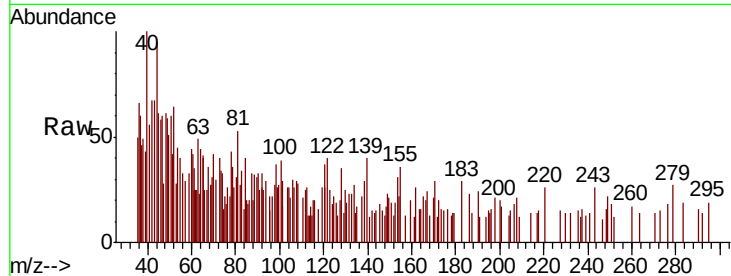




#49
1,4-Dioxane
Concen: 1.609 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

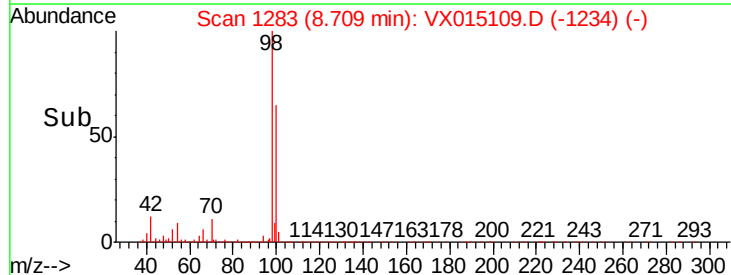
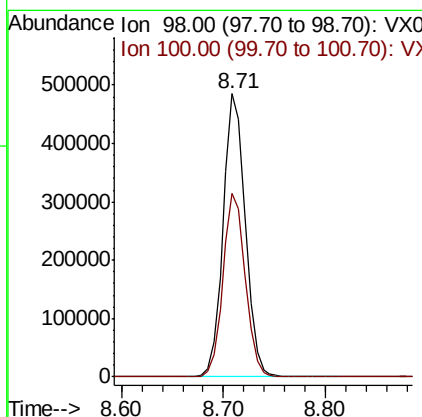
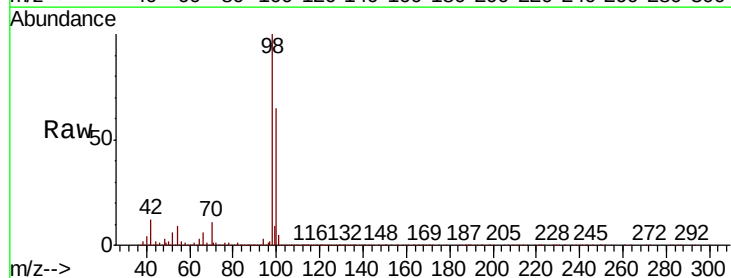
Instrument :
MSVOA_X
ClientSampleId :
IBLK

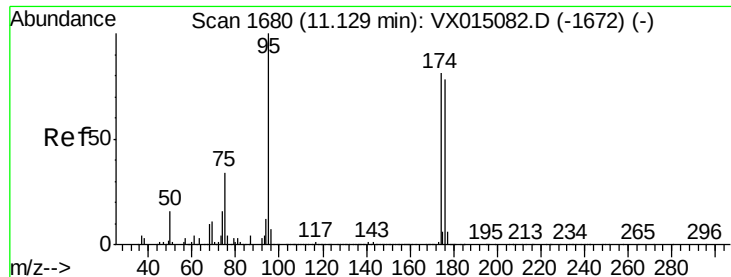
Tot Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 221.3 27.0 40.4#
58 0.0 55.6 83.4#



#50
Toluene-d8
Concen: 50.955 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion: 98 Resp: 732451
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 51.710 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

IBLK

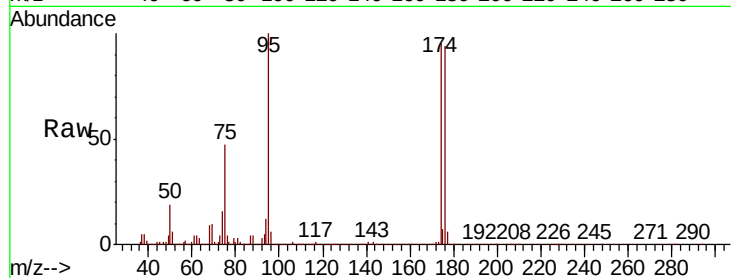
Tot Ion: 95 Resp: 265128

Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.6

176 87.2 0.0 170.2

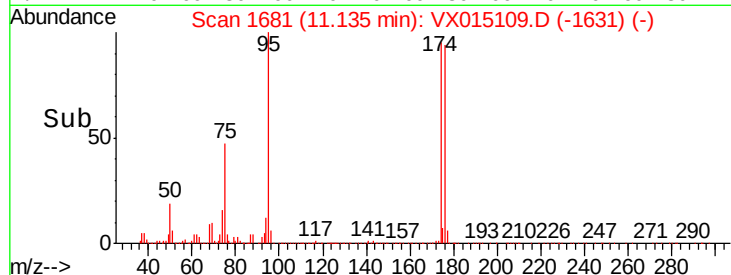


Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)

Time-->

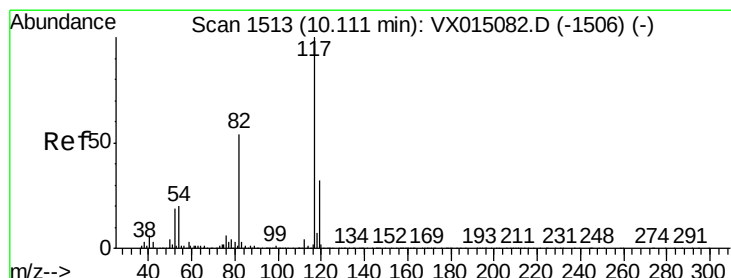


Abundance Ion 94.90 (94.60 to 95.60): VX015109.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX015109.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX015109.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015109.D

Acq: 05 Mar 2020 14:11

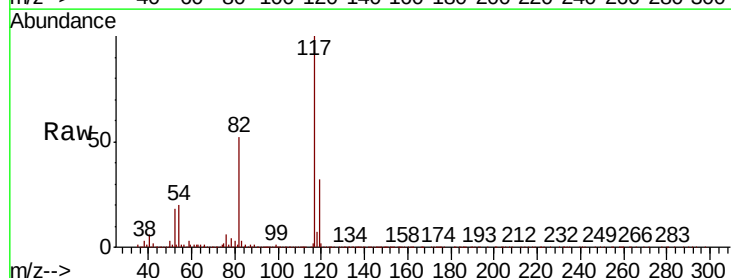
Tgt Ion: 117 Resp: 576826

Ion Ratio Lower Upper

117 100

82 52.4 43.3 64.9

119 31.9 25.8 38.8

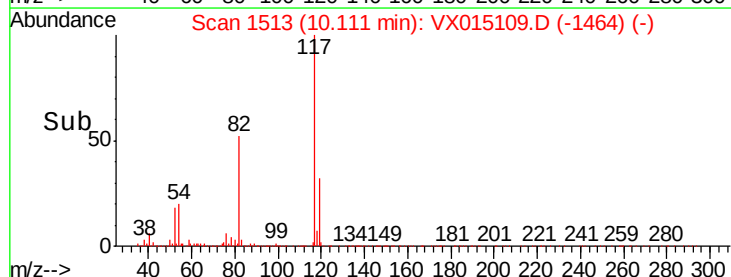


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)

Time-->

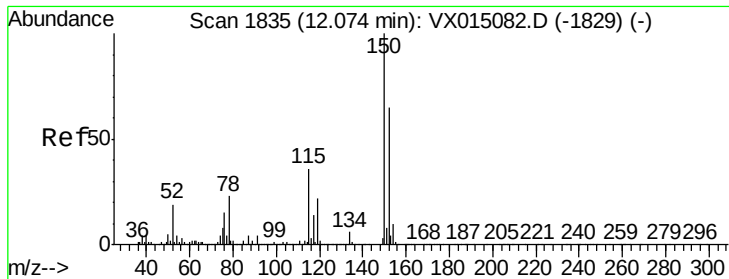


Abundance Ion 116.90 (116.60 to 117.60): VX015109.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX015109.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX015109.D (-1464) (-)

Time-->

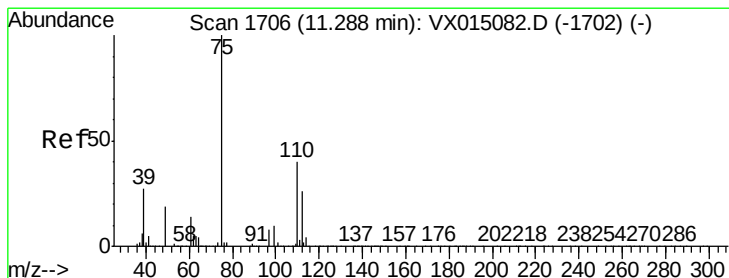
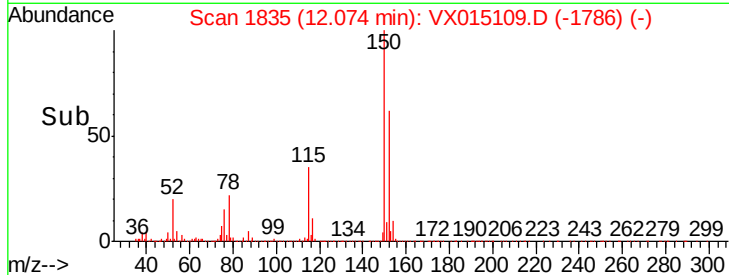
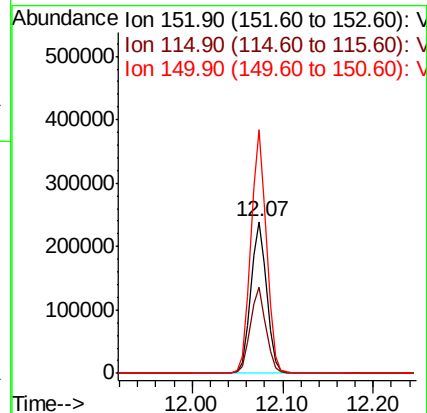
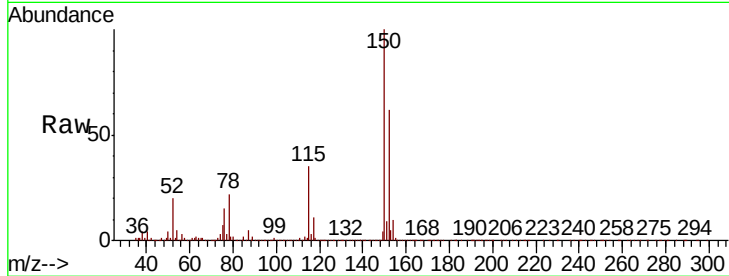


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Instrument :
MSVOA_X
ClientSampleId :
IBLK

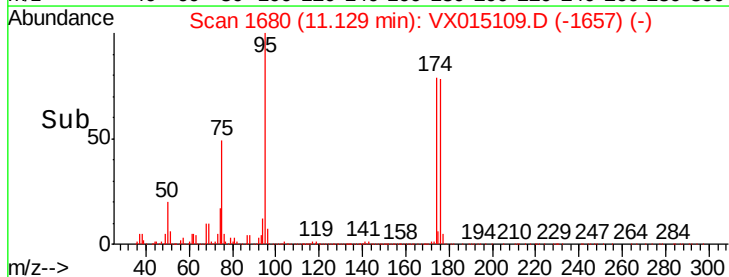
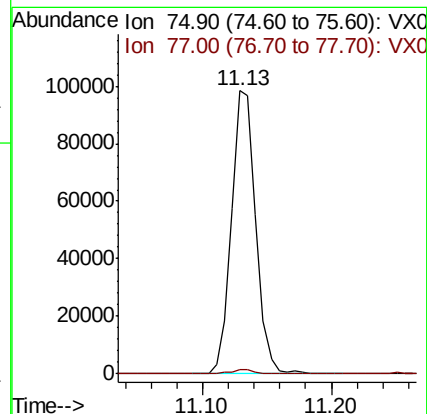
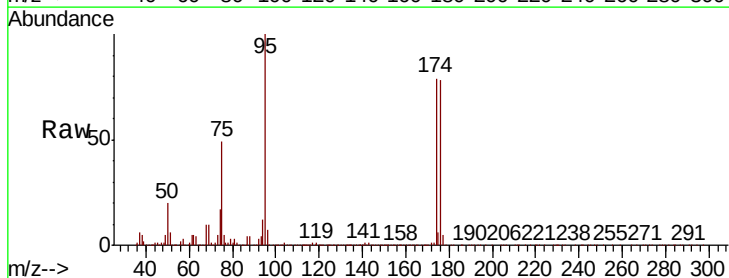
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	38.2	114.6
150	157.5	0.0	343.8

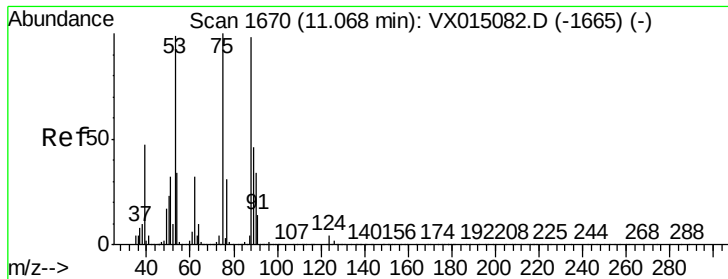


#76

1,2,3-Trichloropropane
Concen: 22.690 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.7	22.6	67.8#

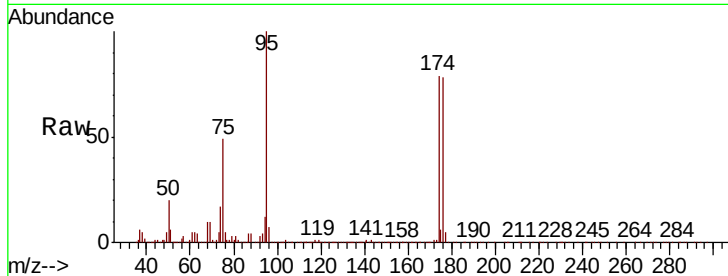




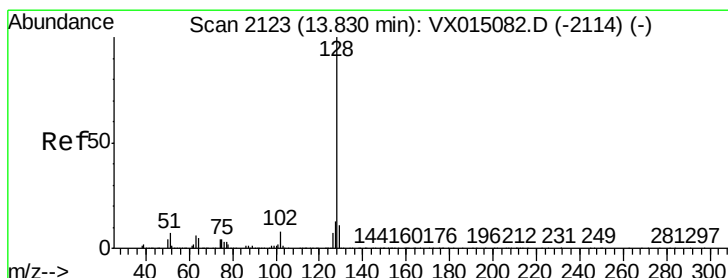
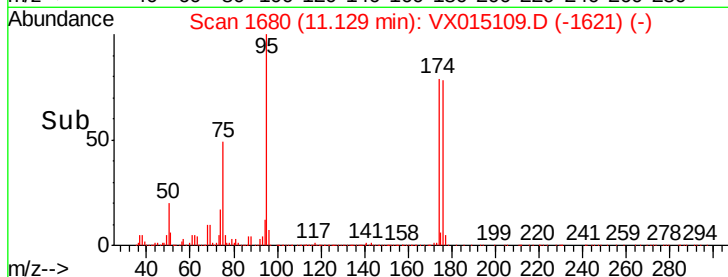
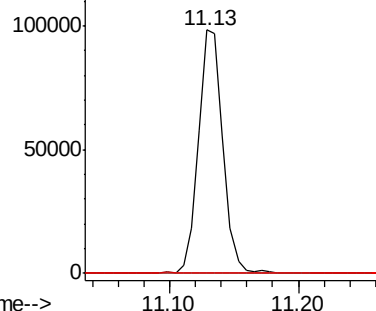
#81
trans-1,4-Dichloro-2-butene
Concen: 64.393 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Instrument :
MSVOA_X
ClientSampled :
IBLK

Tot Ion: 75 Resp: 130585
Ion Ratio Lower Upper
75 100
53 0.4 77.9 116.9#
89 0.2 36.2 54.2#

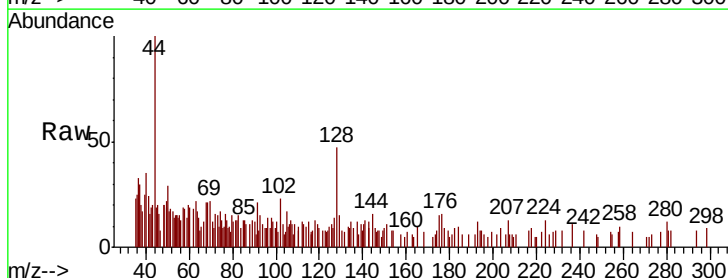


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 1.449 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015109.D
Acq: 05 Mar 2020 14:11

Tgt Ion: 128 Resp: 574
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 62.4 8.6 13.0#



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

