

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015164.D
 Acq On : 10 Mar 2020 12:41
 Operator : JC/SP
 Sample : L1842-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:28:03 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	5.65	168	326237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	531252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	509185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253883	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	198410	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	
35) Dibromofluoromethane	5.49	113	168039	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	649243	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.13	95	231467	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	

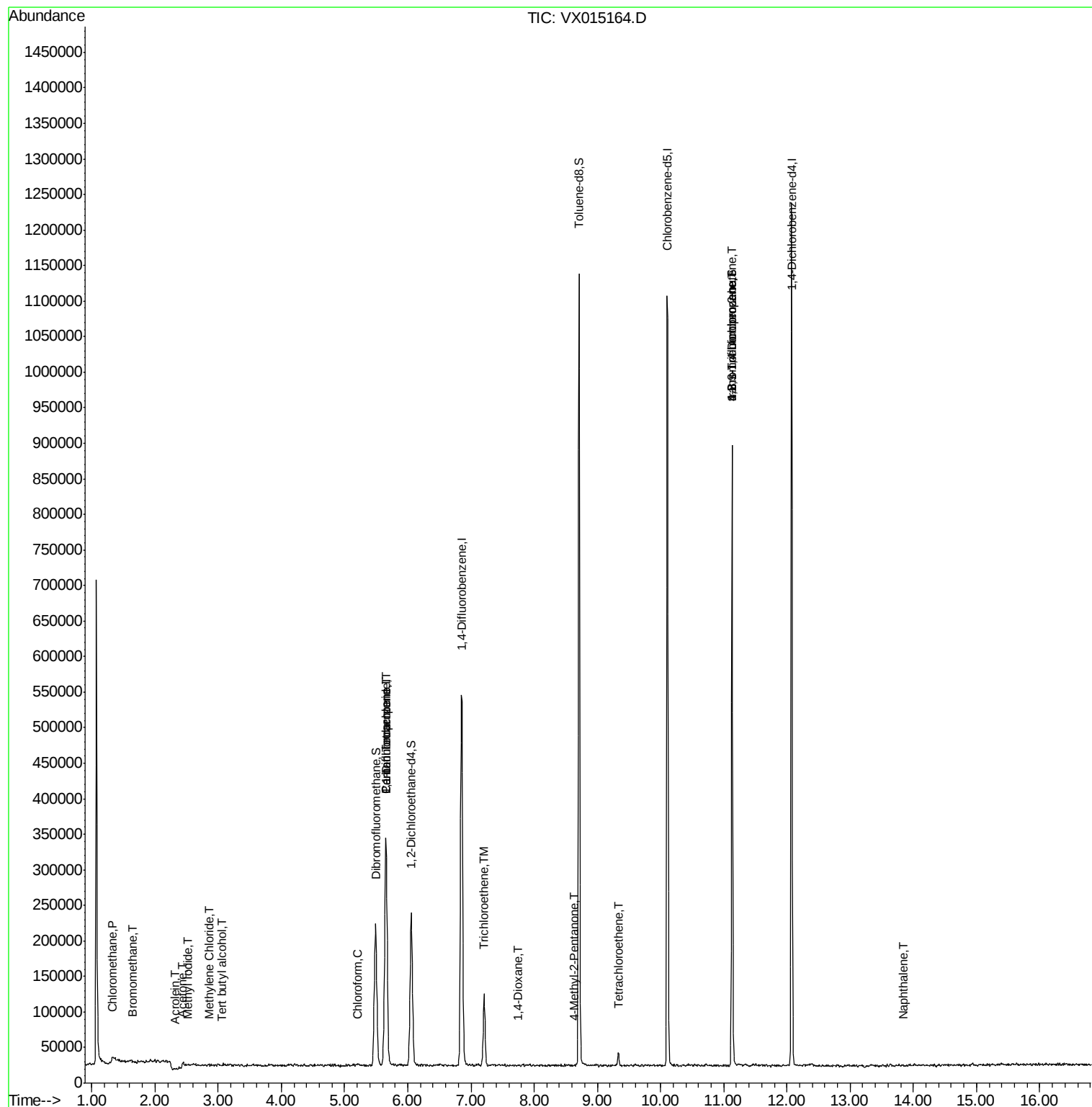
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1703	0.421	ug/l	89
5) Bromomethane	1.66	94	766	0.304	ug/l #	77
10) Methyl Iodide	2.52	142	767	0.221	ug/l #	62
11) Tert butyl alcohol	3.06	59	430	0.640	ug/l #	1
13) Acrolein	2.31	56	904	1.433	ug/l #	74
16) Acetone	2.44	43	7587	4.840	ug/l	95
20) Methylene Chloride	2.85	84	1337	0.364	ug/l #	72
30) Chloroform	5.20	83	1656	0.278	ug/l	84
36) 1,1-Dichloropropene	5.65	75	23174	4.719	ug/l #	49
38) Carbon Tetrachloride	5.65	117	28088	6.059	ug/l #	16
44) Trichloroethene	7.20	130	40313	9.934	ug/l	99
49) 1,4-Dioxane	7.75	88	775	8.788	ug/l #	63
51) 4-Methyl-2-Pentanone	8.62	43	959	0.202	ug/l #	77
64) Tetrachloroethene	9.33	164	4124	0.980	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	114987	22.706	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	114987	64.439	ug/l #	11
95) Naphthalene	13.83	128	646	1.457	ug/l #	1

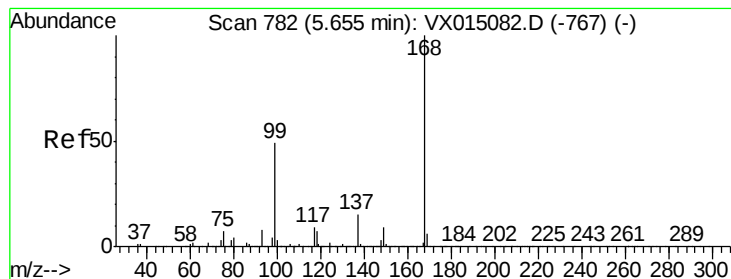
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031020\
Data File : VX015164.D
Acq On : 10 Mar 2020 12:41
Operator : JC/SP
Sample : L1842-19
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 11 07:28:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

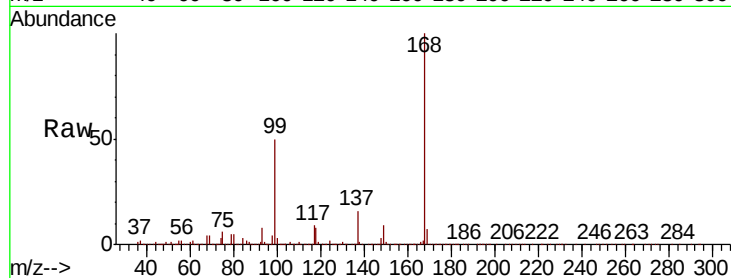
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 326237

Ion Ratio Lower Upper

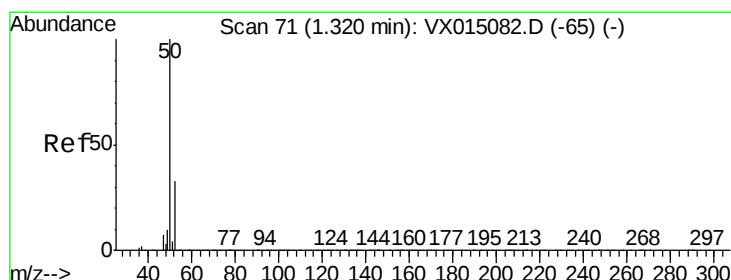
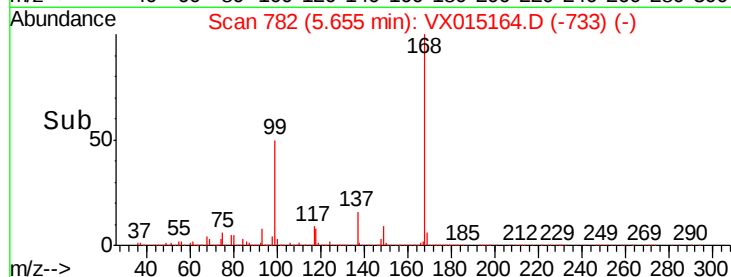
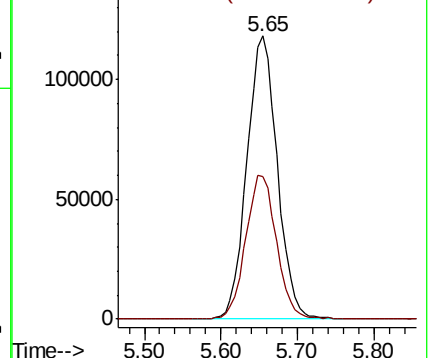
168 100

99 50.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.421 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015164.D

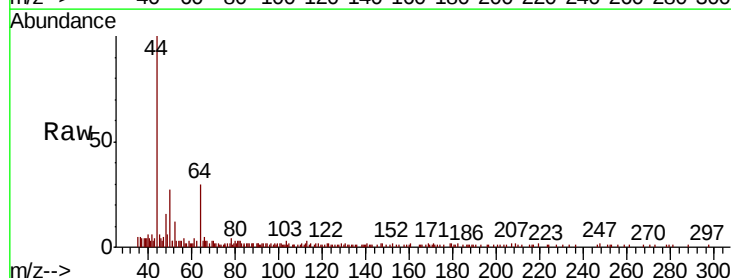
Acq: 10 Mar 2020 12:41

Tgt Ion: 50 Resp: 1703

Ion Ratio Lower Upper

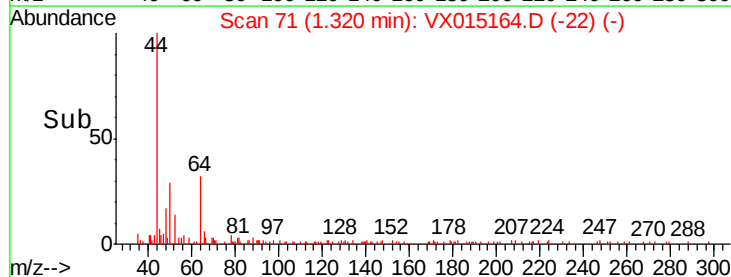
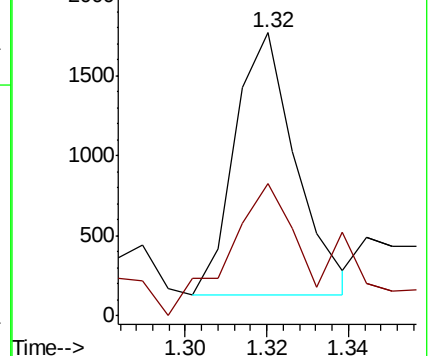
50 100

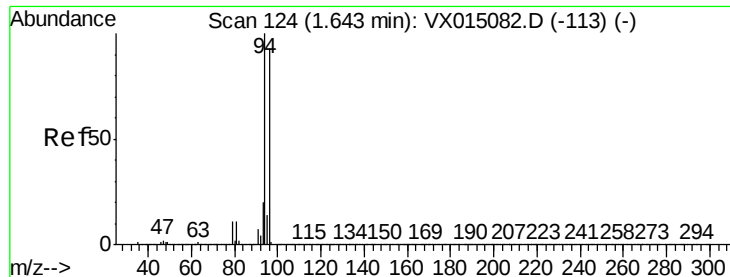
52 26.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.304 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

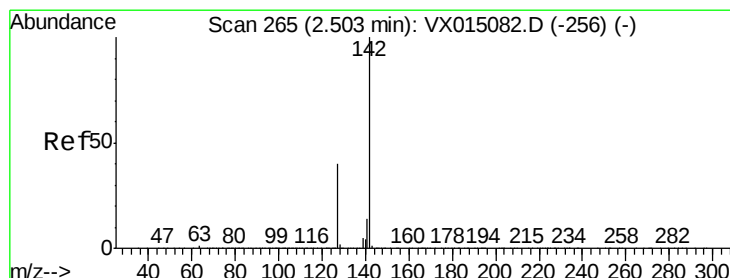
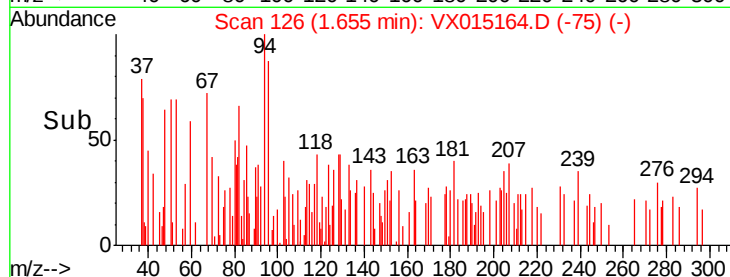
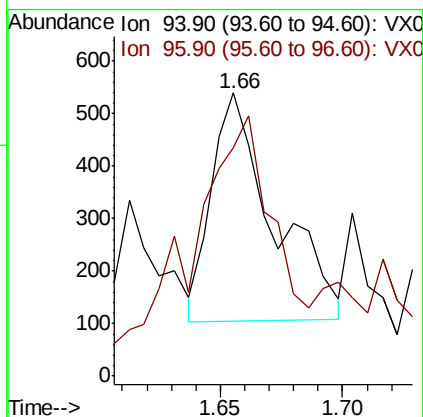
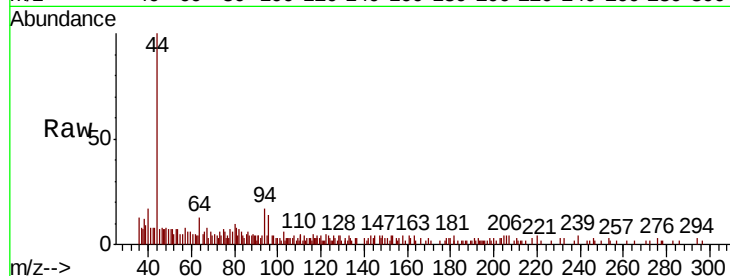
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 766

Ion Ratio Lower Upper

94 100

96 70.9 74.6 111.8#



#10

Methyl Iodide

Concen: 0.221 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

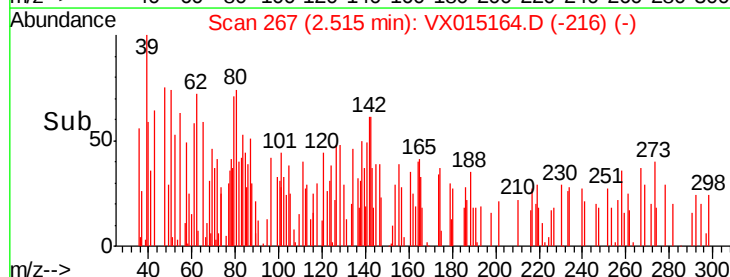
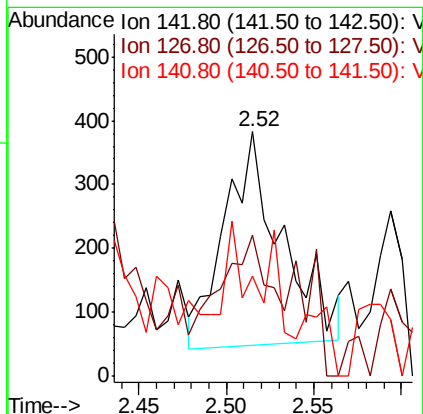
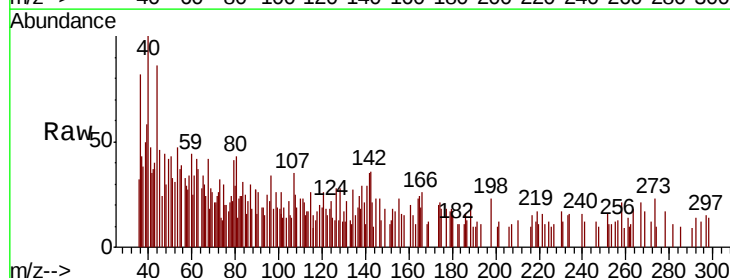
Tgt Ion: 142 Resp: 767

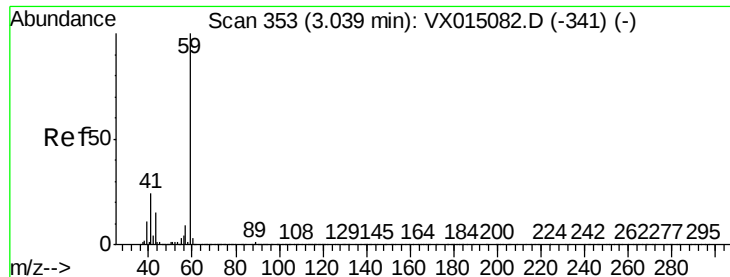
Ion Ratio Lower Upper

142 100

127 62.7 31.7 47.5#

141 30.5 11.3 16.9#



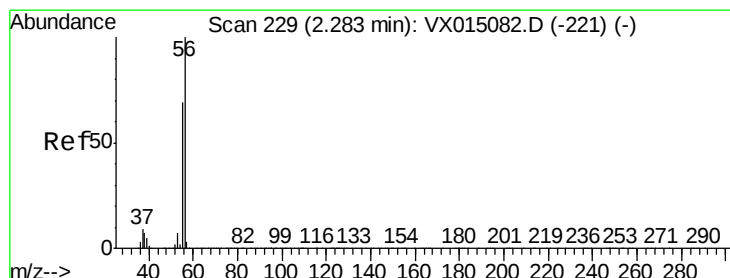
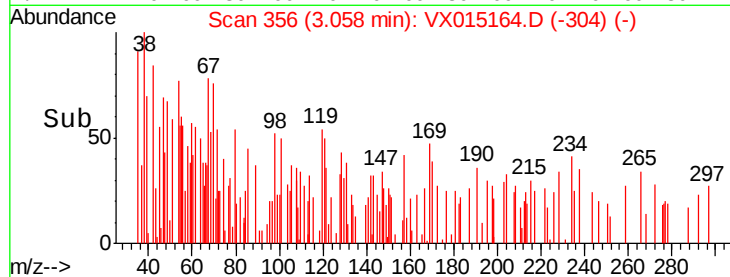
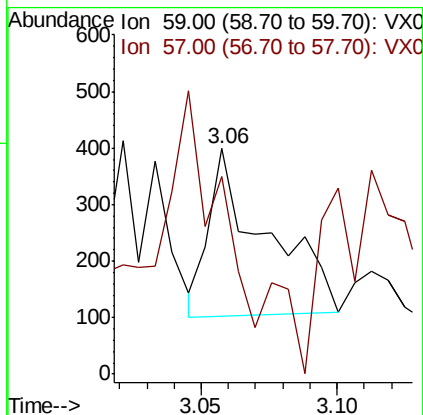
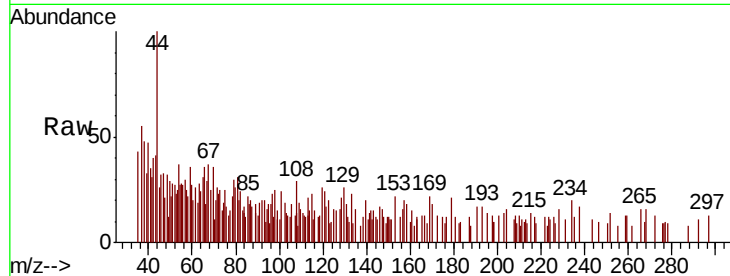


#11

Tert butyl alcohol
Concen: 0.640 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Instrument :
MSVOA_X
ClientSampled :

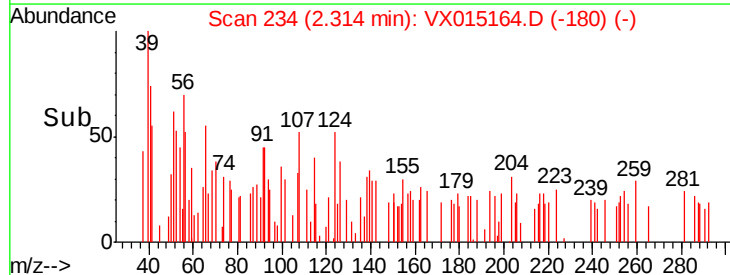
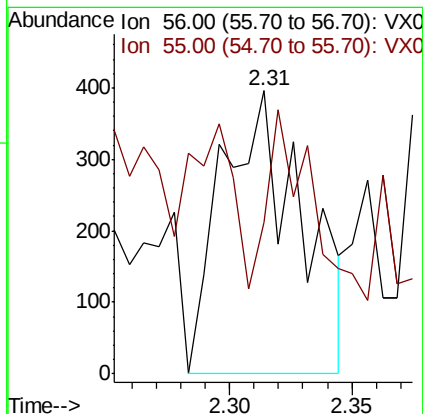
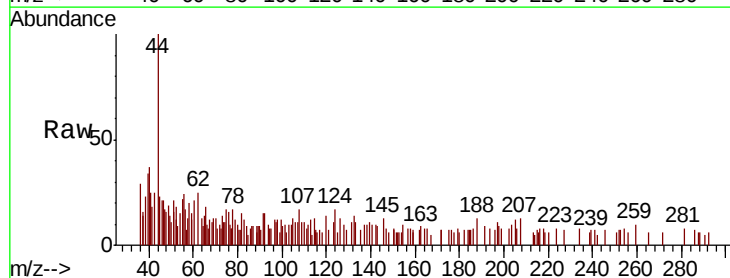
Tot Ion: 59 Resp: 430
Ion Ratio Lower Upper
59 100
57 187.4 8.2 12.4#

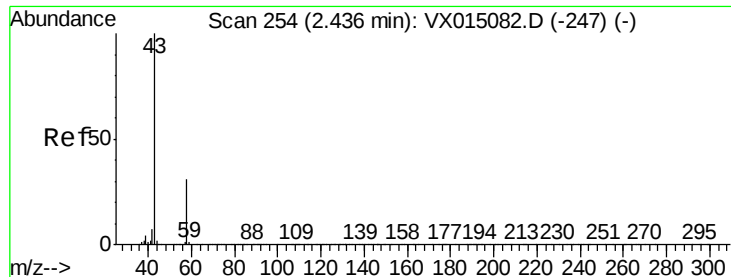


#13

Acrolein
Concen: 1.433 ug/l
RT: 2.31 min Scan# 234
Delta R.T. 0.03 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Tgt Ion: 56 Resp: 904
Ion Ratio Lower Upper
56 100
55 48.2 55.4 83.0#

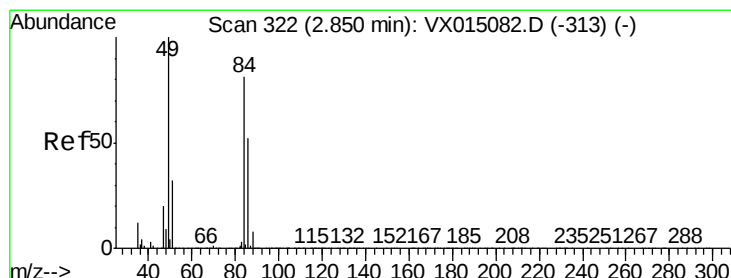
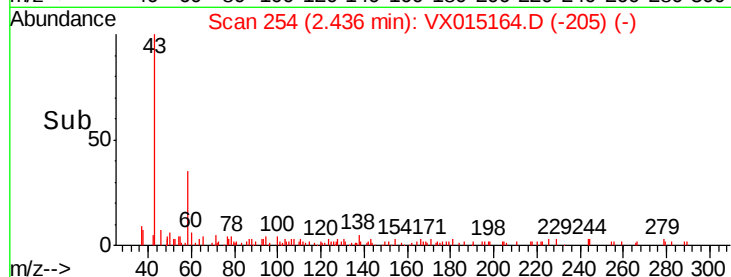
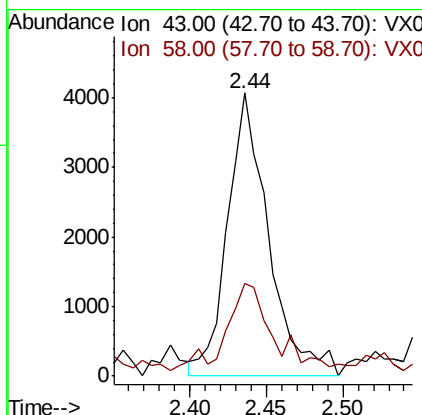
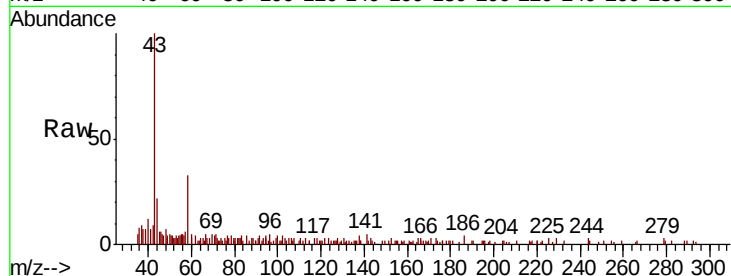




#16
Acetone
Concen: 4.840 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

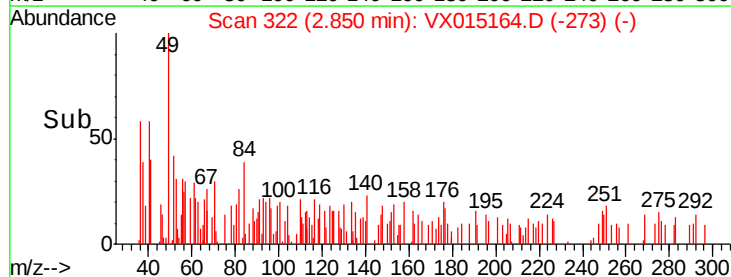
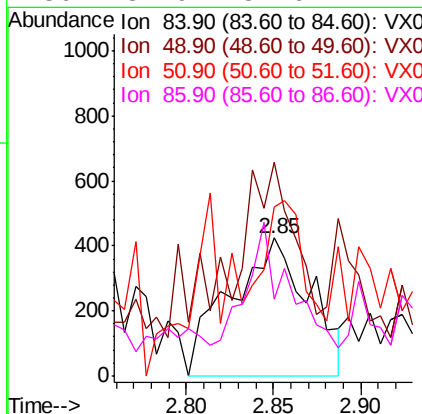
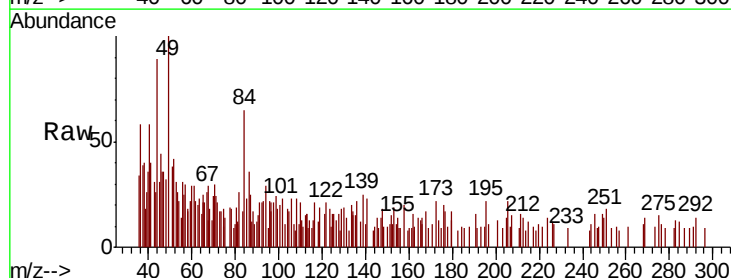
Instrument :
MSVOA_X
ClientSampleId :

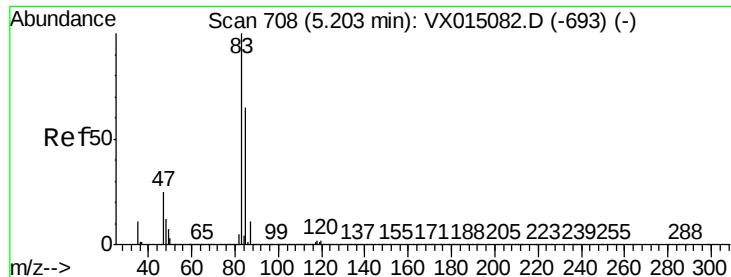
Tot Ion: 43 Resp: 7587
Ion Ratio Lower Upper
43 100
58 28.5 24.8 37.2



#20
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Tgt Ion: 84 Resp: 1337
Ion Ratio Lower Upper
84 100
49 116.0 99.4 149.2
51 88.2 31.5 47.3#
86 34.9 51.6 77.4#

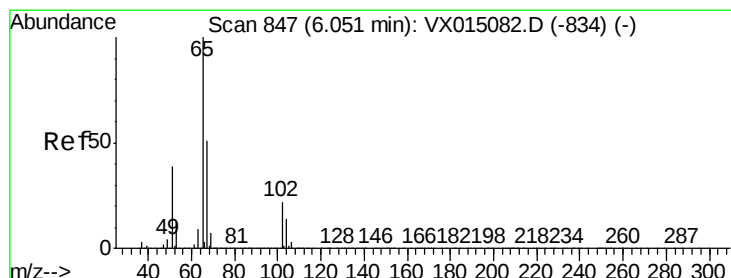
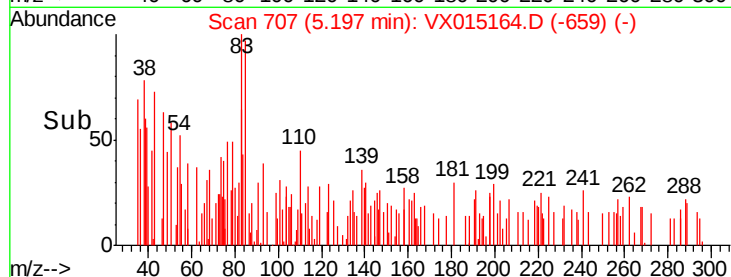
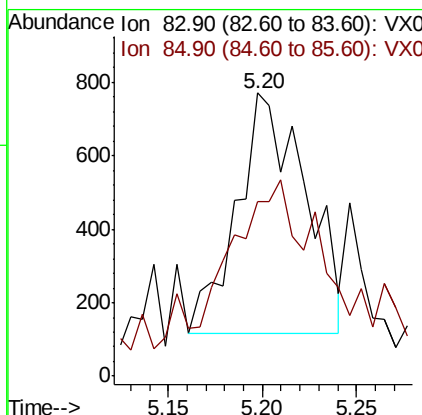
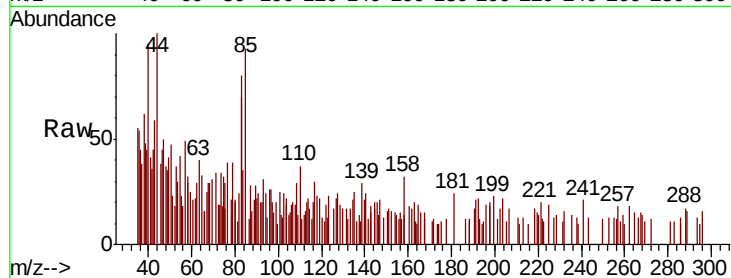




#30
Chloroform
Concen: 0.278 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

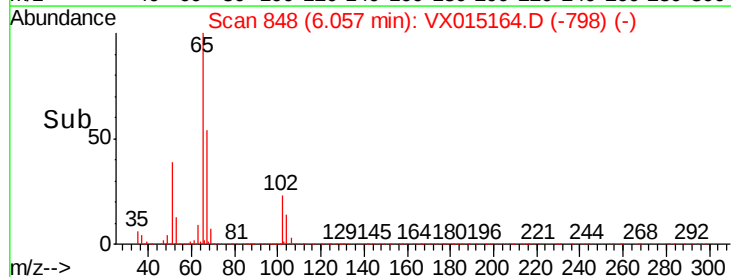
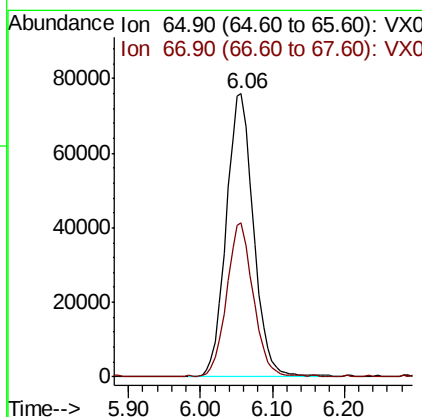
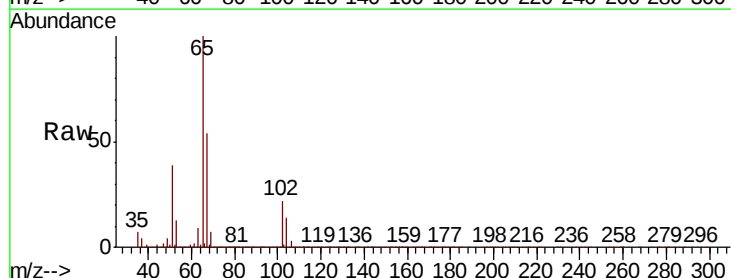
Instrument :
MSVOA_X
ClientSampleId :

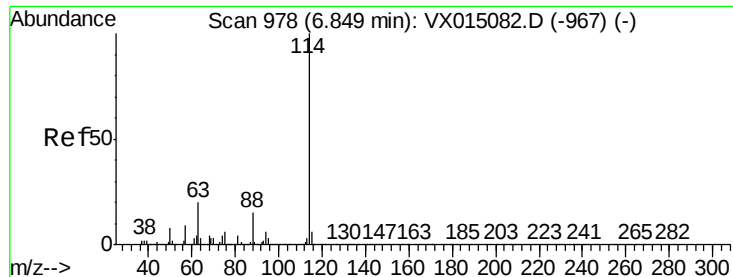
Tot Ion: 83 Resp: 1656
Ion Ratio Lower Upper
83 100
85 52.2 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 51.264 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Tgt Ion: 65 Resp: 198410
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

Instrument :

MSVOA_X

ClientSampleId :

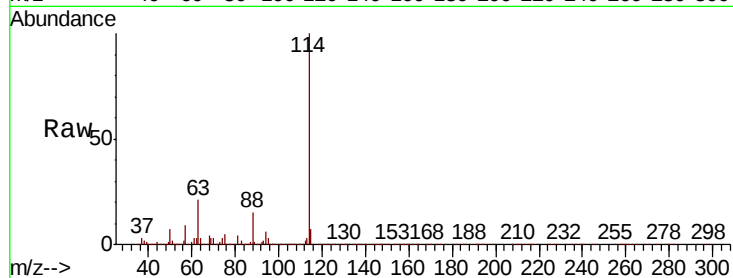
Tot Ion:114 Resp: 531252

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

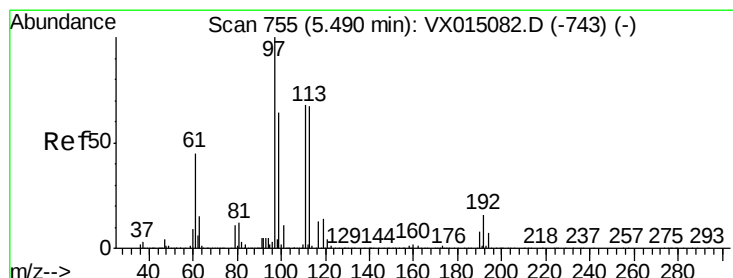
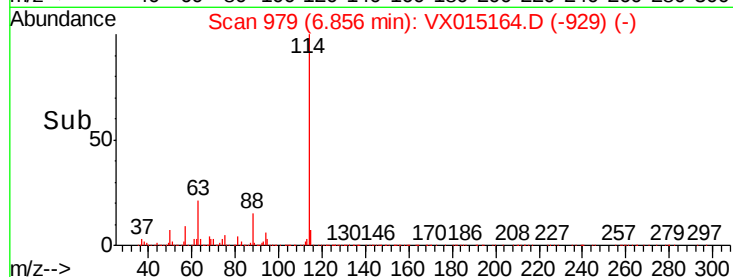
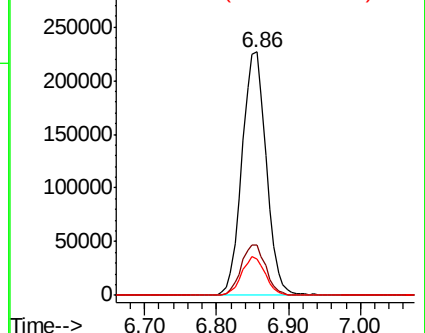
88 14.8 0.0 30.6



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: 50.138 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

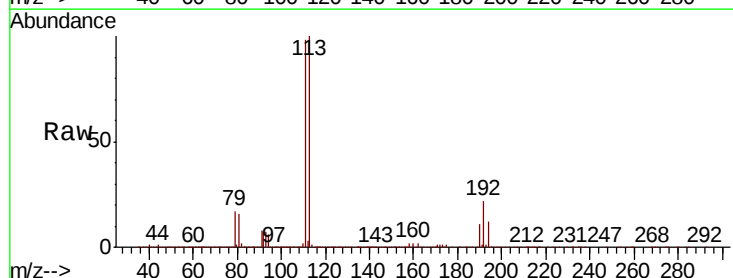
Tgt Ion:113 Resp: 168039

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

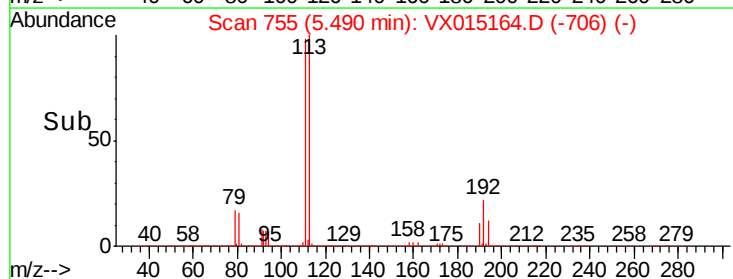
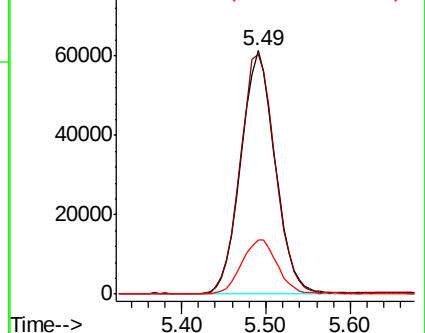
192 23.8 18.6 28.0

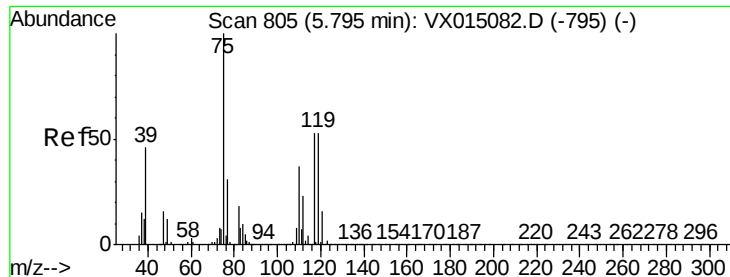


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

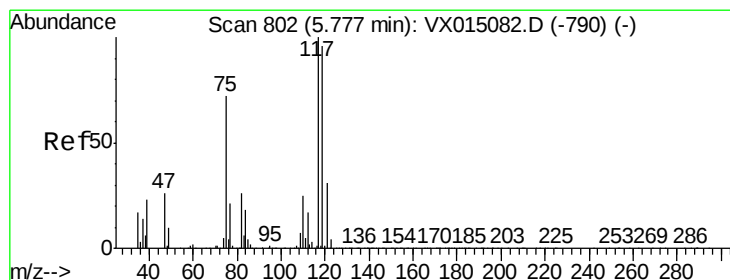
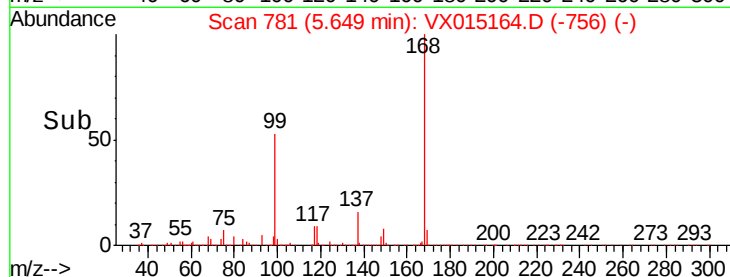
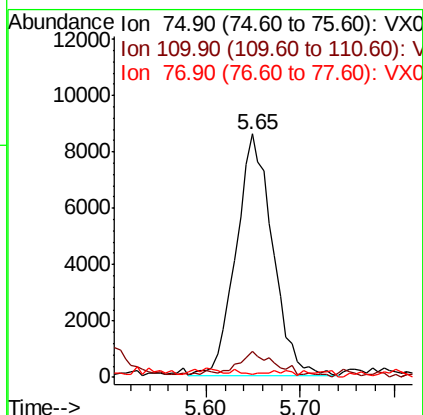
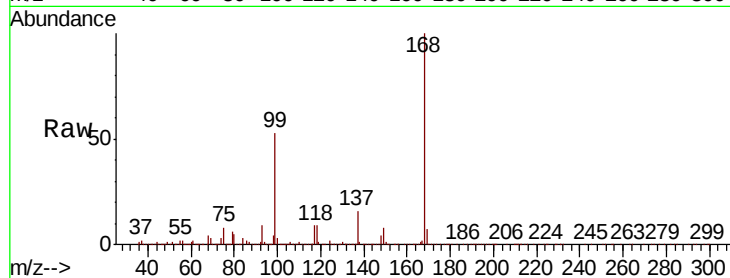




#36
 1,1-Dichloropropene
 Concen: 4.719 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015164.D
 Acq: 10 Mar 2020 12:41

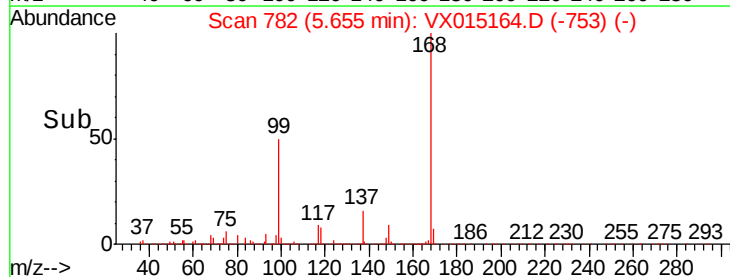
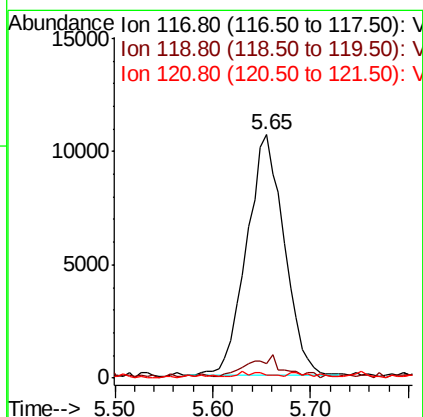
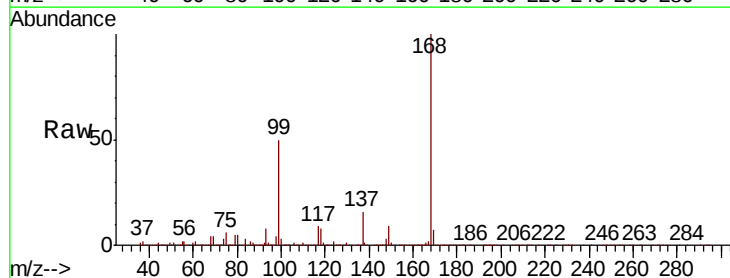
Instrument :
 MSVOA_X
 ClientSampleId :

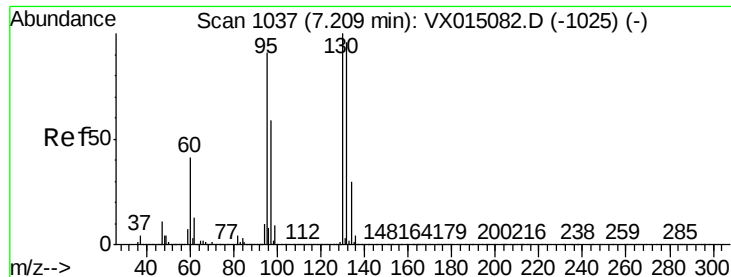
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.9	53.8#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.059 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015164.D
 Acq: 10 Mar 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.9	115.3#
121	0.3	24.6	37.0#





#44

Trichloroethene

Concen: 9.934 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

Instrument :

MSVOA_X

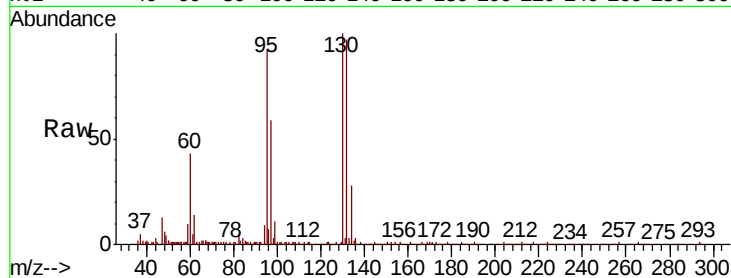
ClientSampleId :

Tot Ion:130 Resp: 40313

Ion Ratio Lower Upper

130 100

95 91.6 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.20

20000

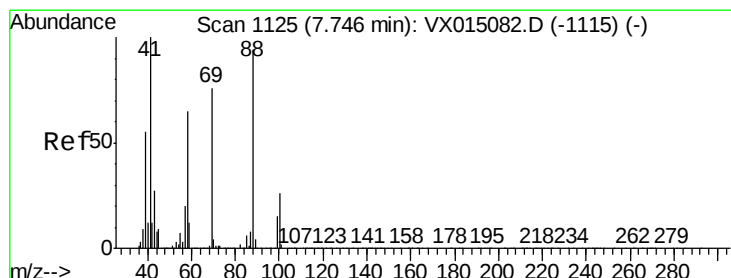
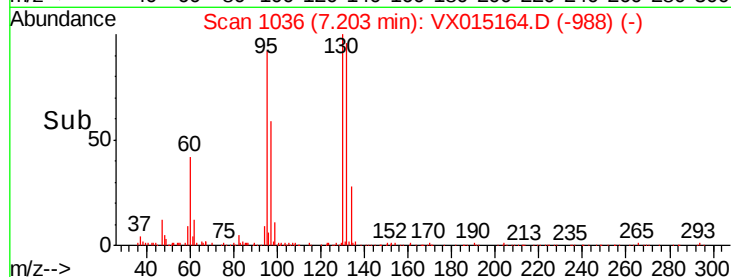
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 8.788 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

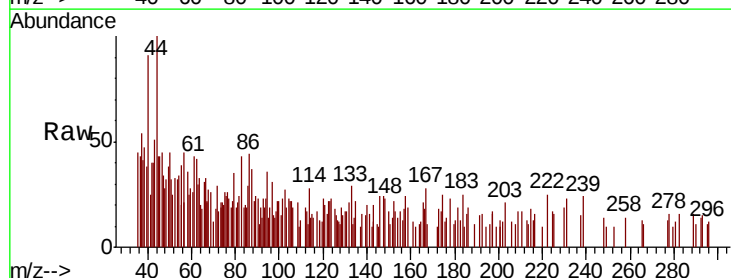
Tgt Ion: 88 Resp: 775

Ion Ratio Lower Upper

88 100

43 17.7 27.0 40.4#

58 35.6 55.6 83.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600

500

400

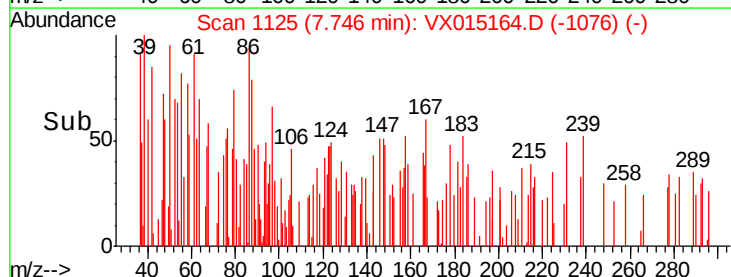
300

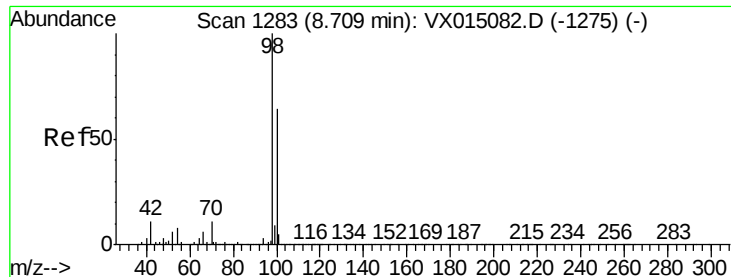
200

100

0

Time--> 7.70 7.75 7.80

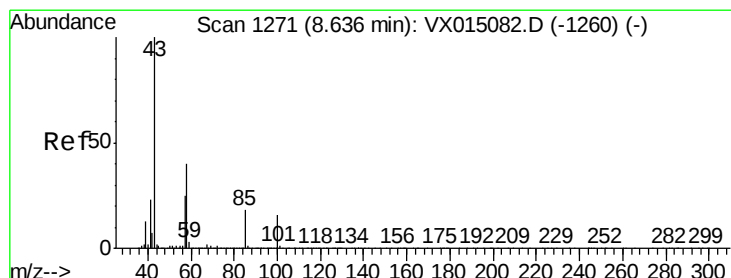
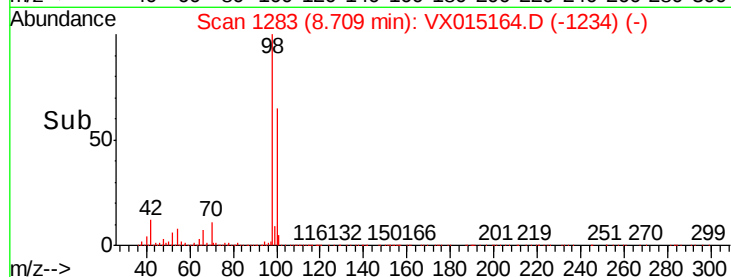
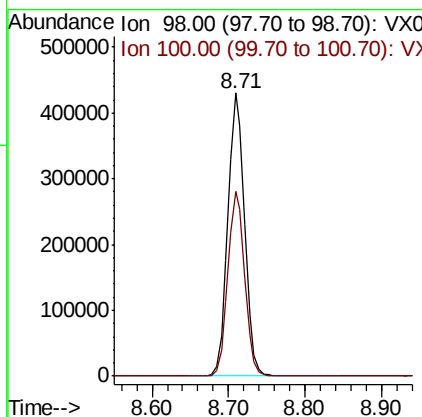
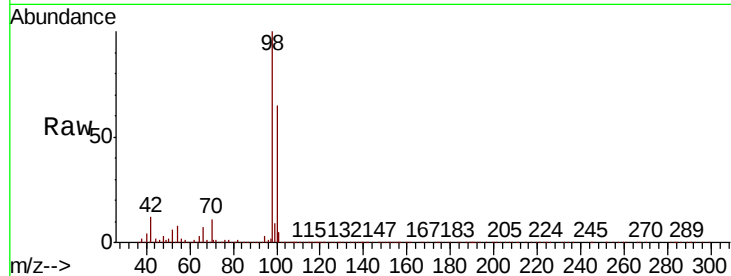




#50
Toluene-d8
Concen: 50.926 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

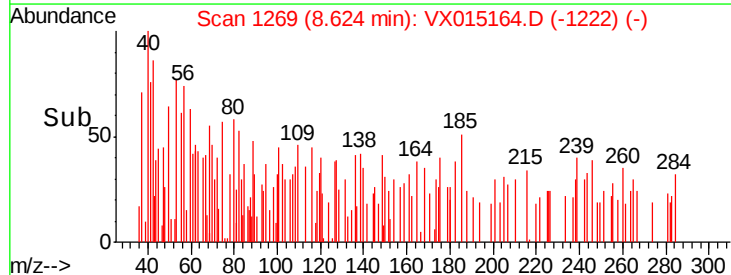
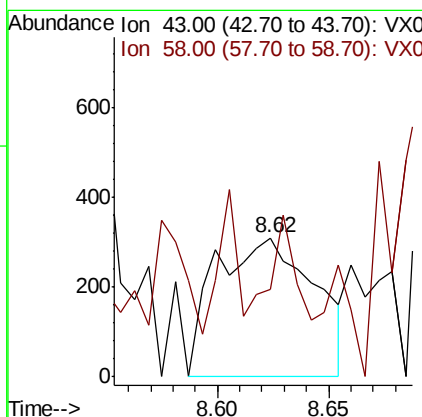
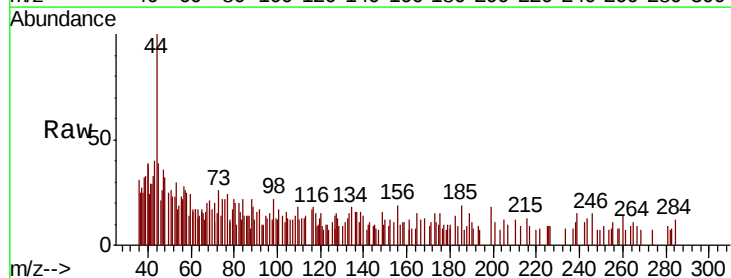
Instrument :
MSVOA_X
ClientSampleId :

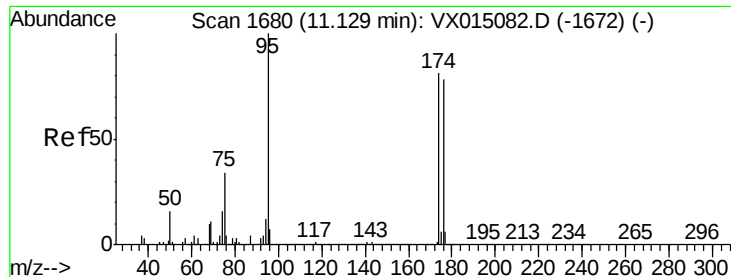
Tot Ion: 98 Resp: 649243
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 0.202 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
58 25.4 31.6 47.4#





#62

4-Bromofluorobenzene

Concen: 50.902 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

Instrument :

MSVOA_X

ClientSampled :

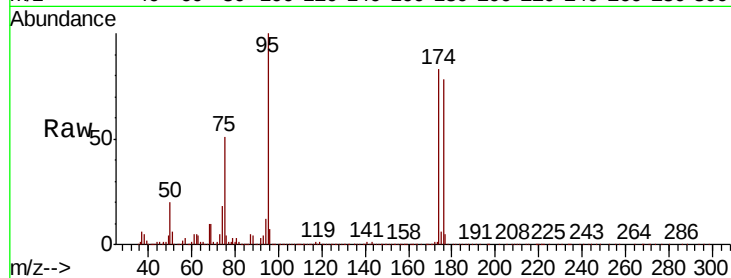
Tot Ion: 95 Resp: 231467

Ion Ratio Lower Upper

95 100

174 88.8 0.0 177.6

176 86.6 0.0 170.2

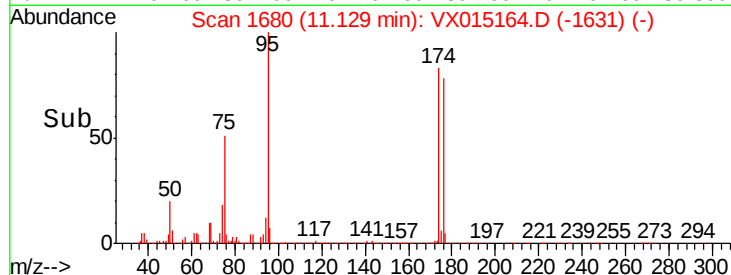


Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

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

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

Time-->



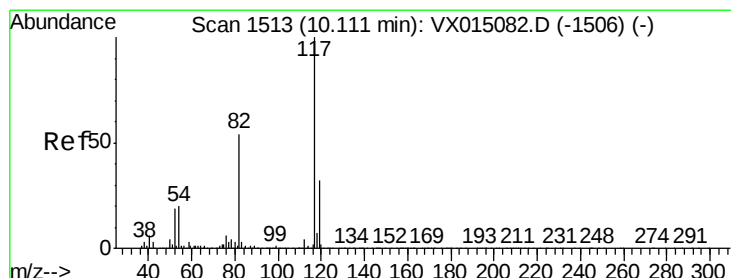
Abundance

Ion 94.90 (94.60 to 95.60): VX015164.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX015164.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX015164.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

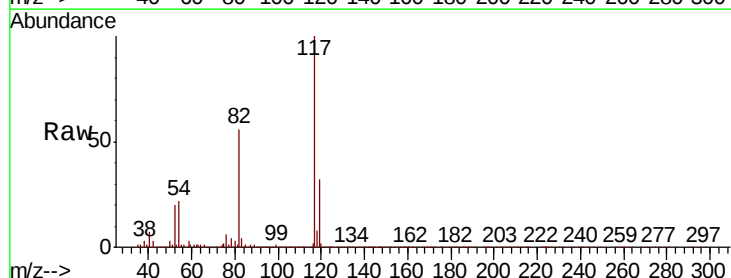
Tgt Ion: 117 Resp: 509185

Ion Ratio Lower Upper

117 100

82 56.3 43.3 64.9

119 31.8 25.8 38.8

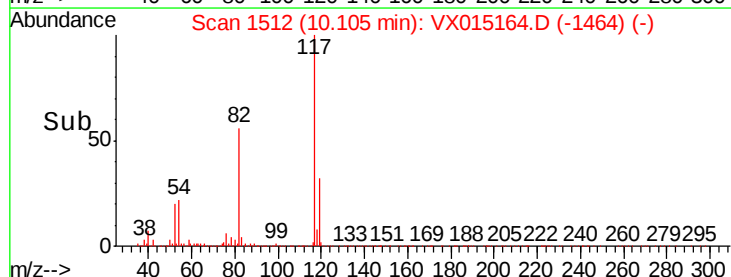


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

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

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

Time-->



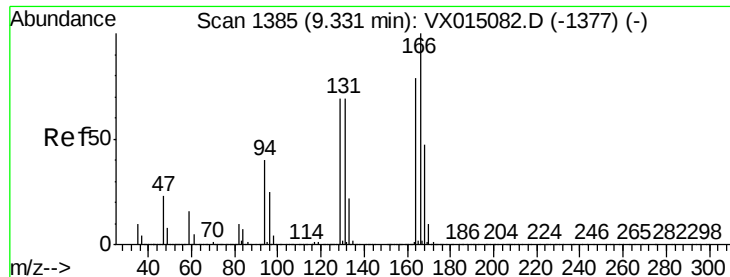
Abundance

Ion 116.90 (116.60 to 117.60): VX015164.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX015164.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX015164.D (-1464) (-)

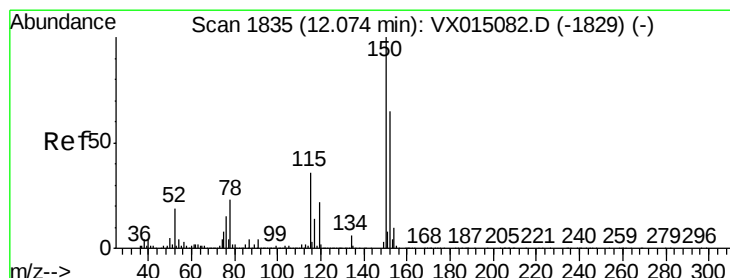
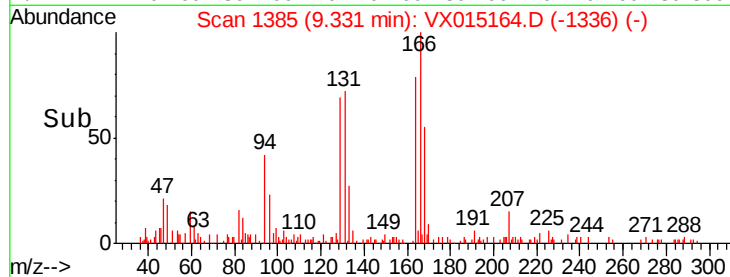
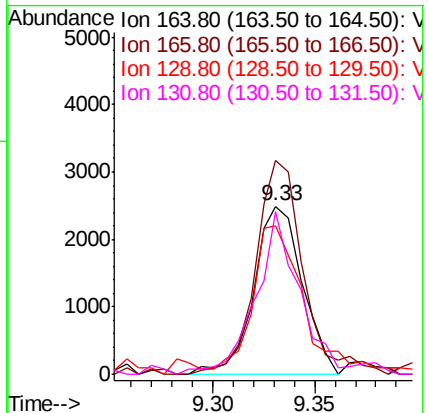
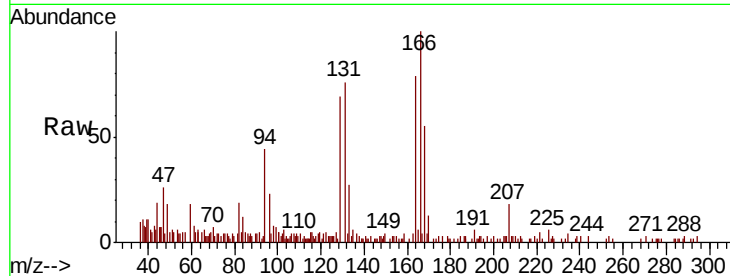
Time-->



#64
Tetrachloroethene
Concen: 0.980 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

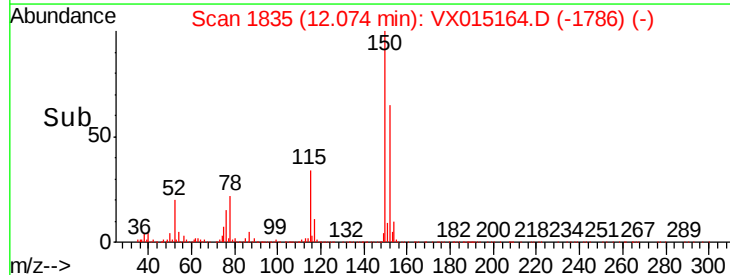
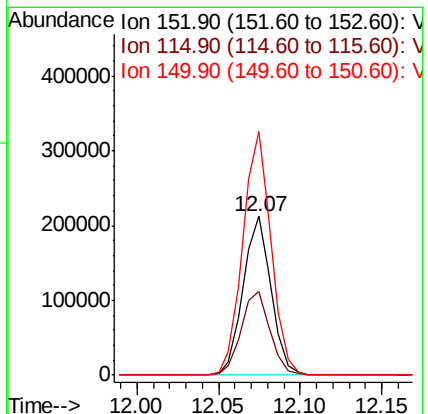
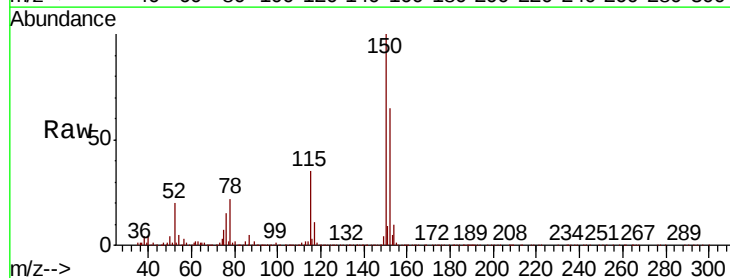
Instrument :
MSVOA_X
ClientSampleId :

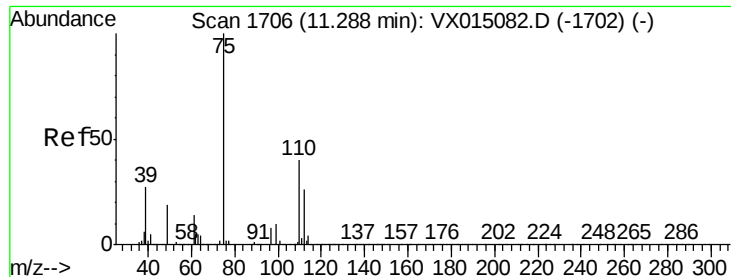
Tot Ion:164 Resp: 4124
Ion Ratio Lower Upper
164 100
166 127.1 101.1 151.7
129 81.0 69.4 104.0
131 94.1 69.8 104.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Tgt Ion:152 Resp: 253883
Ion Ratio Lower Upper
152 100
115 54.6 38.2 114.6
150 154.9 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.706 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

Instrument :

MSVOA_X

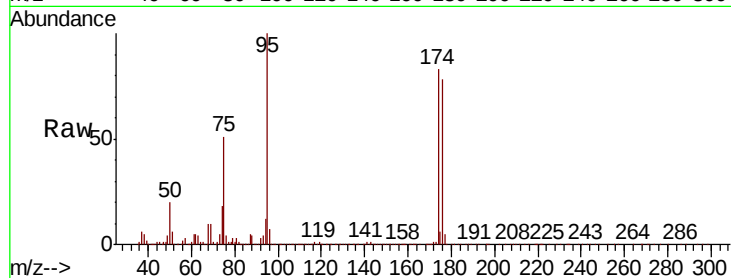
ClientSampled :

Tot Ion: 75 Resp: 114987

Ion Ratio Lower Upper

75 100

77 1.9 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

80000

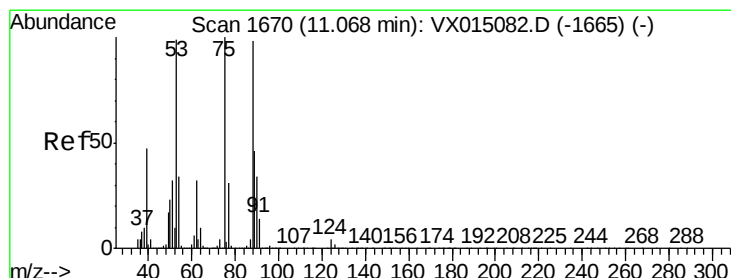
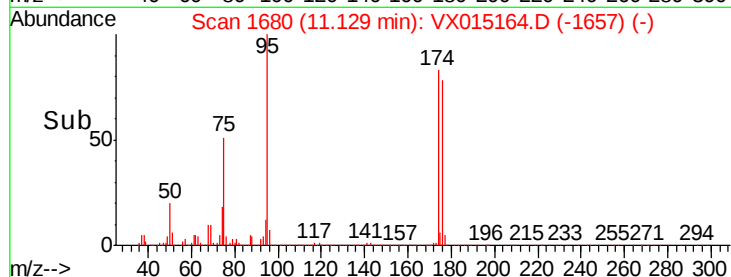
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 64.439 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015164.D

Acq: 10 Mar 2020 12:41

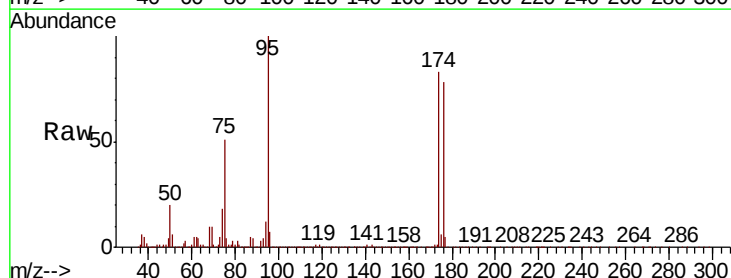
Tgt Ion: 75 Resp: 114987

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

89 0.4 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

120000

100000

80000

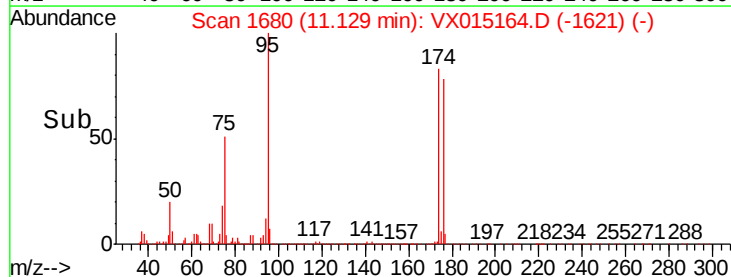
60000

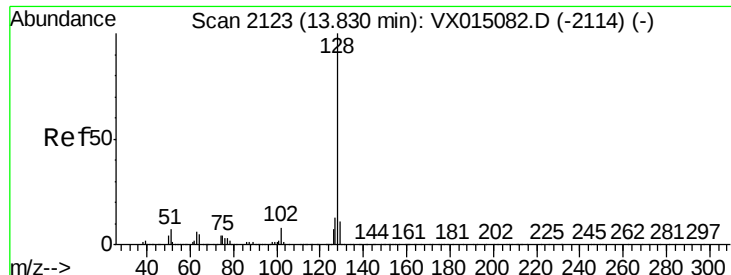
40000

20000

0

Time--> 11.05 11.10 11.15 11.20

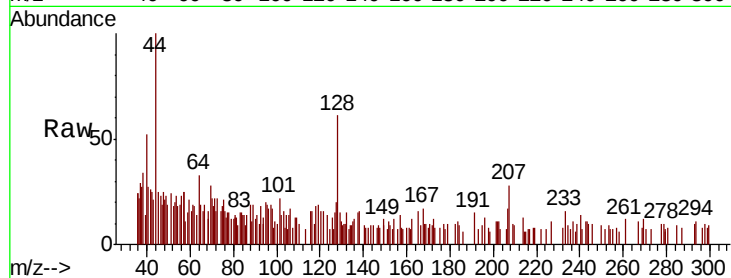




#95
Naphthalene
Concen: 1.457 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015164.D
Acq: 10 Mar 2020 12:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	53.4	10.3	15.5#
129	49.1	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

