

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012918.D
 Acq On : 09 Oct 2019 03:32
 Operator : JC/SP
 Sample : K5154-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 05:58:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	176857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96196	50.00	ug/l	0.00

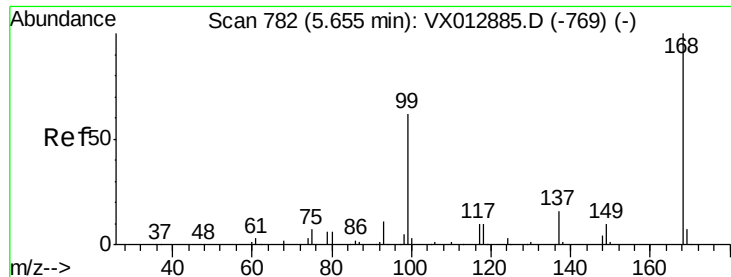
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118553	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	5.49	113	90105	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	8.71	98	356137	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	117540	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

Target Compounds

					Qvalue
5) Bromomethane	1.64	94	278	0.330 ug/l	95
6) Chloroethane	1.73	64	514	0.780 ug/l #	71
11) Tert butyl alcohol	3.03	59	1042	1.778 ug/l #	77
14) Allyl chloride	2.59	41	5135	1.613 ug/l #	63
16) Acetone	2.43	43	3140	2.695 ug/l	90
18) Methyl Acetate	2.59	43	13609	4.928 ug/l #	51
21) trans-1,2-Dichloroethene	3.16	96	472	0.246 ug/l #	91
27) cis-1,2-Dichloroethene	4.59	96	2303	1.043 ug/l	96
28) Bromochloromethane	5.19	49	19	Below Cal #	13
30) Chloroform	5.20	83	990	0.281 ug/l #	76
31) Cyclohexane	5.65	56	3880	1.209 ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14026	5.273 ug/l #	51
38) Carbon Tetrachloride	5.65	117	19285	7.449 ug/l #	17
44) Trichloroethene	7.20	130	11819	5.425 ug/l	93
51) 4-Methyl-2-Pentanone	8.71	43	1653	0.555 ug/l #	1
60) Dibromochloromethane	9.33	129	20616	10.825 ug/l #	10
64) Tetrachloroethene	9.33	164	20482	11.521 ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	59782	28.019 ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59782	70.249 ug/l #	10

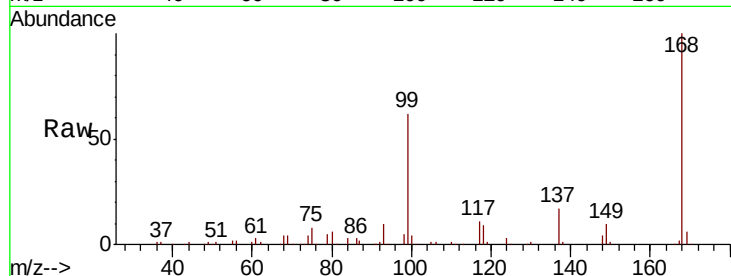
(#) = qualifier out of range (m) = manual integration (+) = signals summed



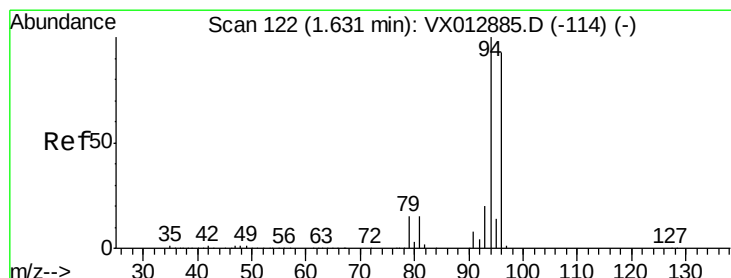
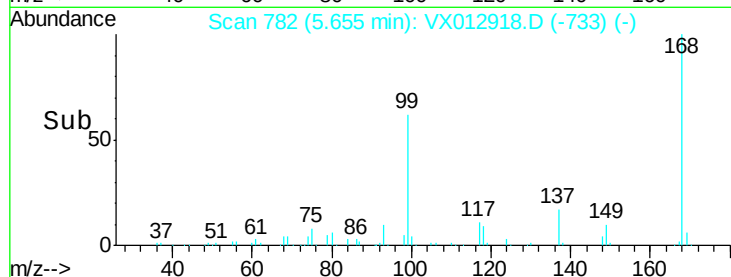
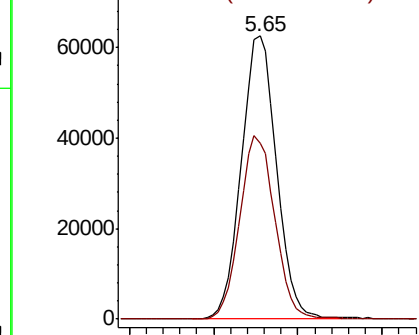
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176857
Ion Ratio Lower Upper
168 100
99 62.1 49.4 74.0

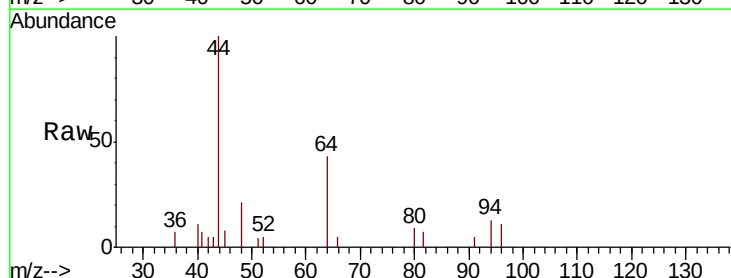


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

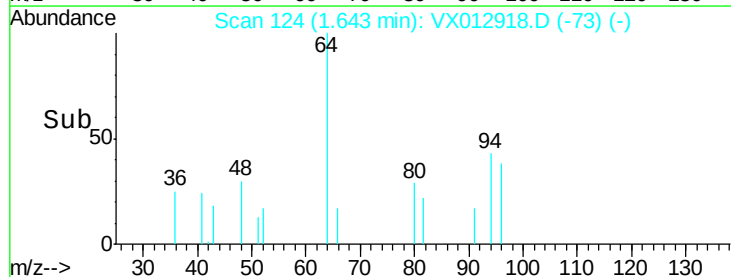
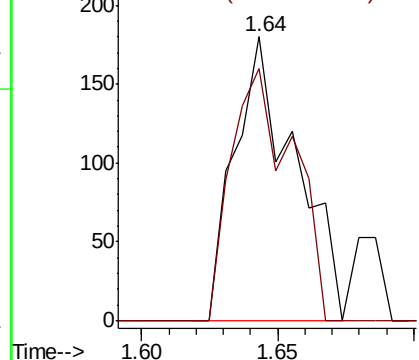


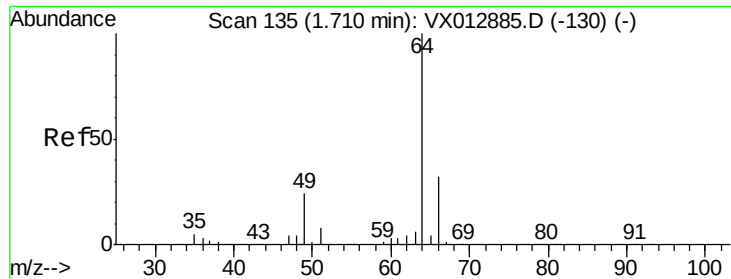
#5
Bromomethane
Concen: 0.330 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 88.9 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.780 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

Instrument :

MSVOA_X

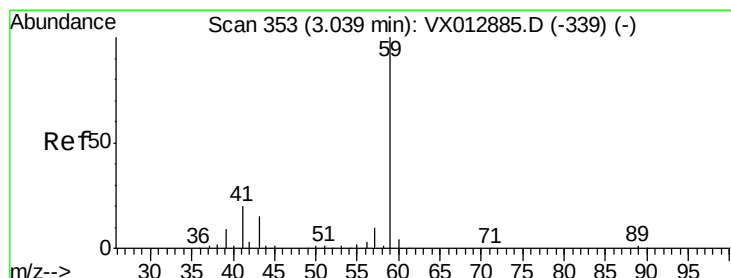
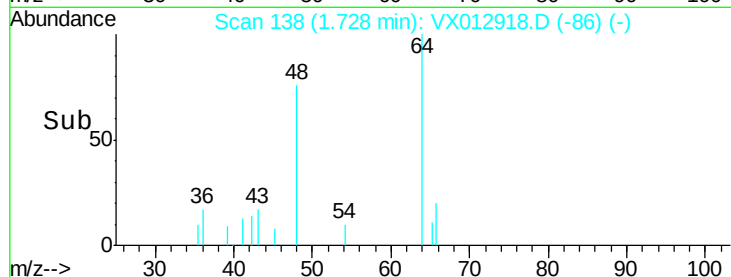
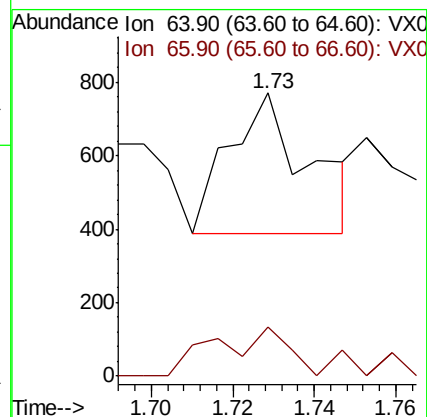
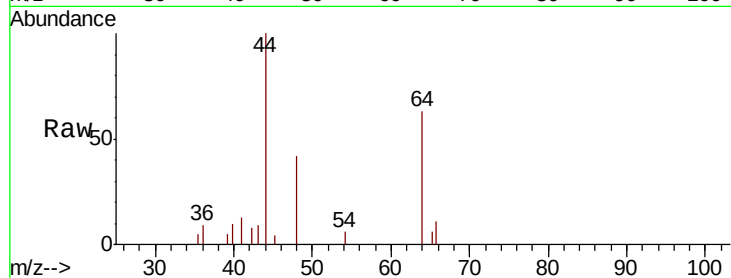
ClientSampled :

Tot Ion: 64 Resp: 514

Ion Ratio Lower Upper

64 100

66 16.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 1.778 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012918.D

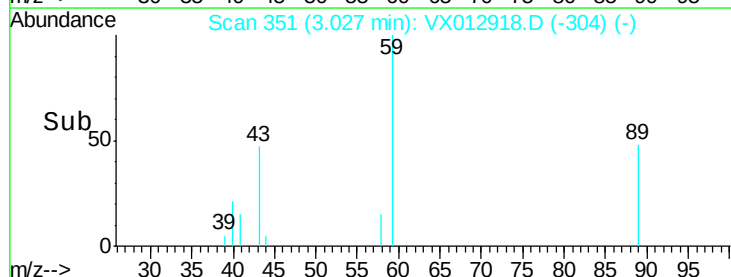
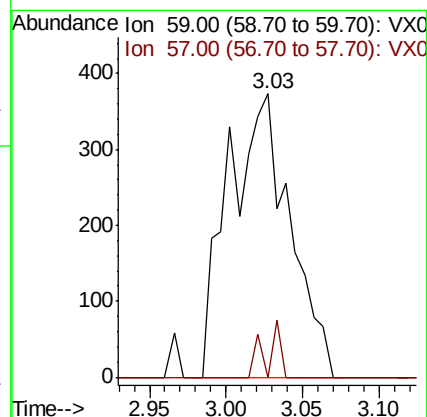
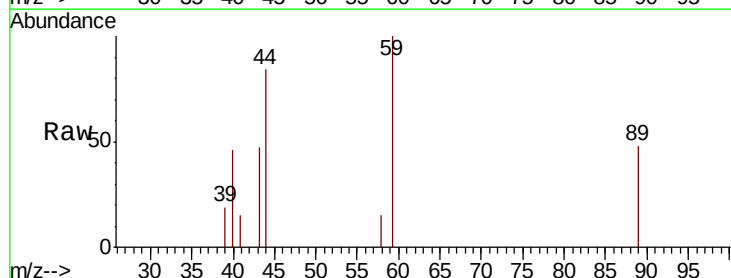
Acq: 09 Oct 2019 03:32

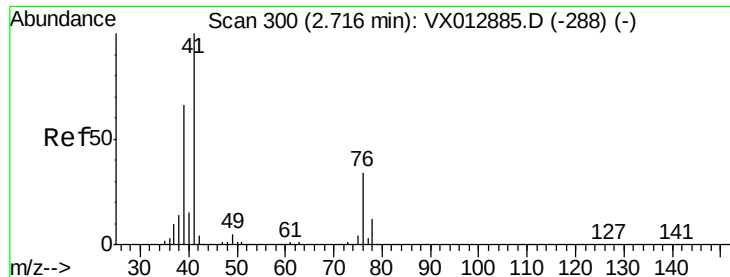
Tgt Ion: 59 Resp: 1042

Ion Ratio Lower Upper

59 100

57 1.9 8.3 12.5#

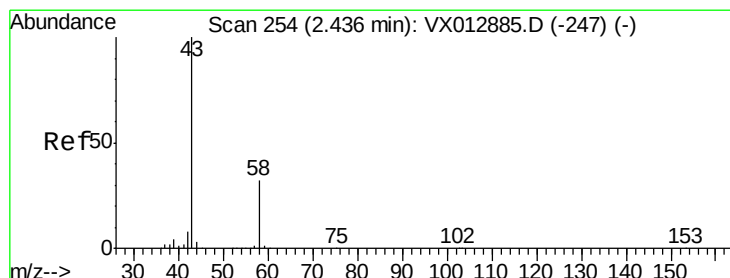
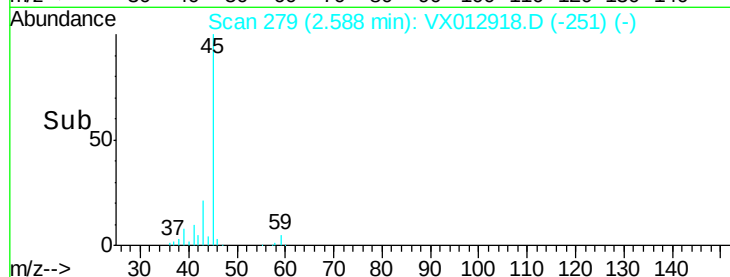
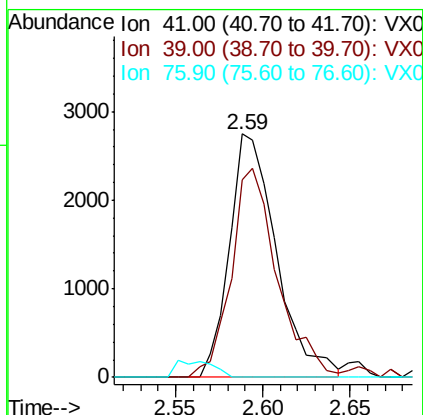
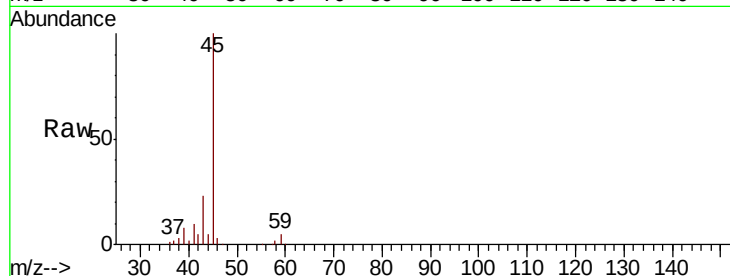




#14
Allvl chloride
Concen: 1.613 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.13 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

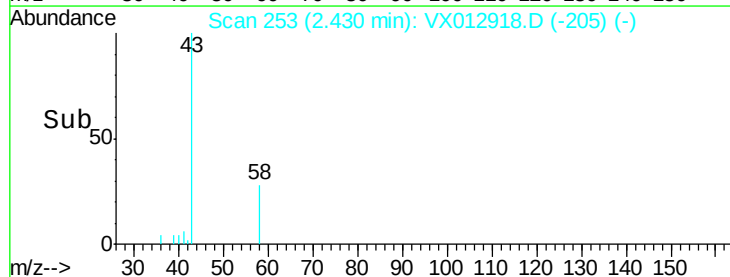
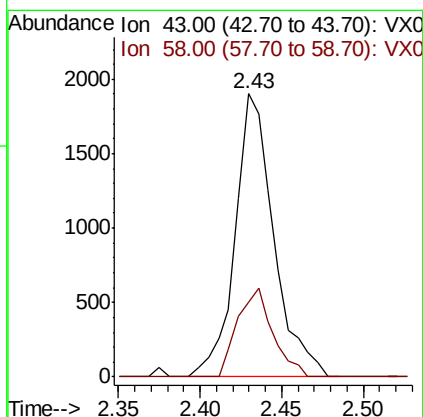
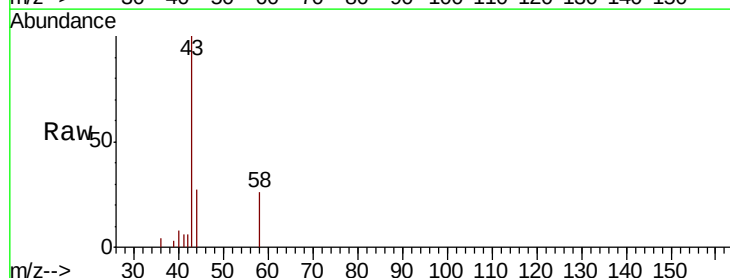
Instrument :
MSVOA_X
ClientSampleId :

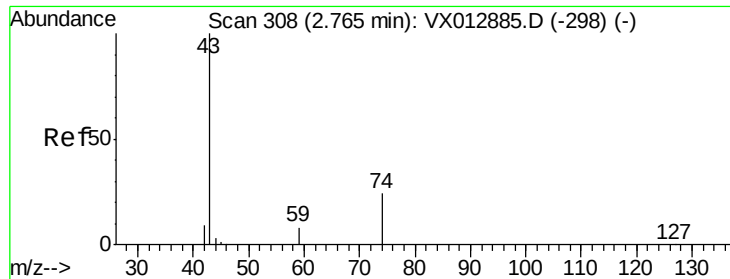
Tot Ion: 41 Resp: 5135
Ion Ratio Lower Upper
41 100
39 84.6 51.0 76.6#
76 0.0 26.2 39.4#



#16
Acetone
Concen: 2.695 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
58 26.5 25.4 38.2

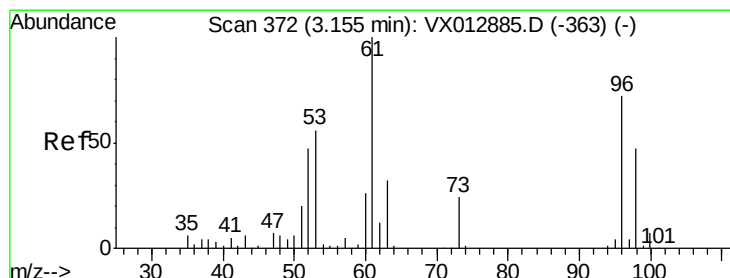
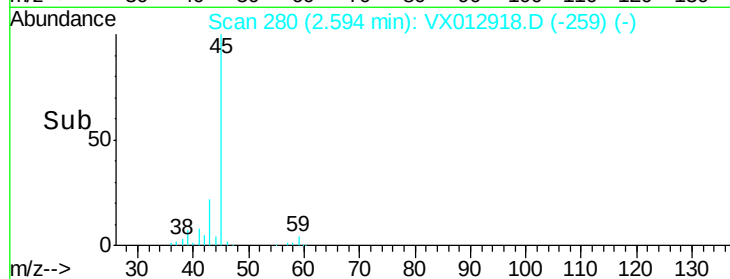
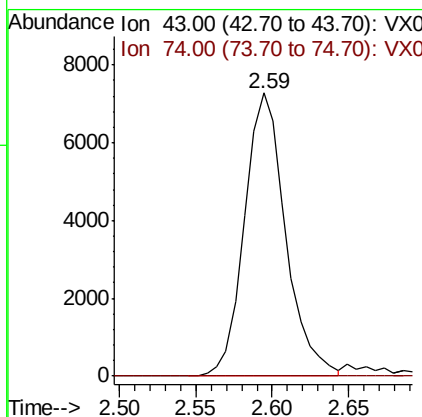
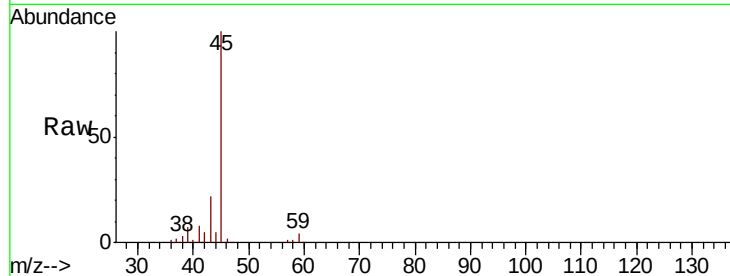




#18
Methvl Acetate
Concen: 4.928 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

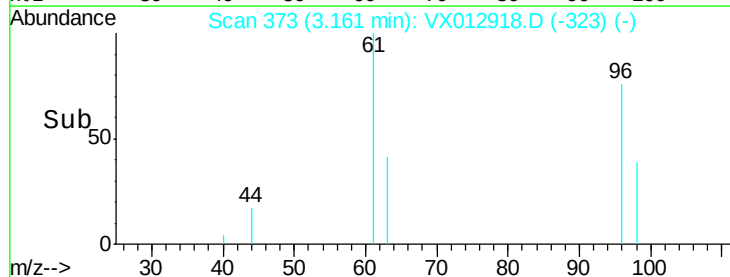
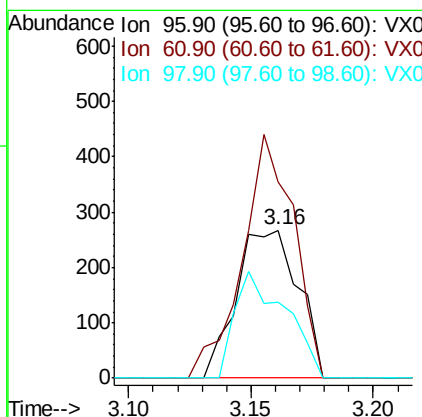
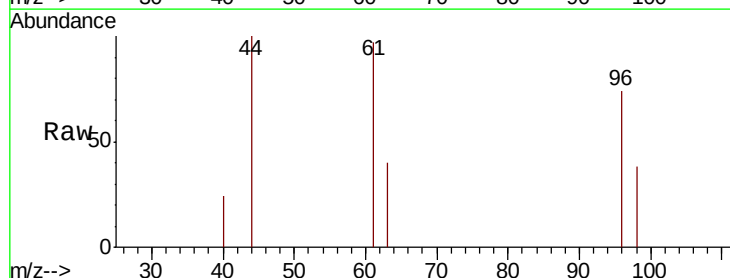
Instrument :
MSVOA_X
ClientSampleId :

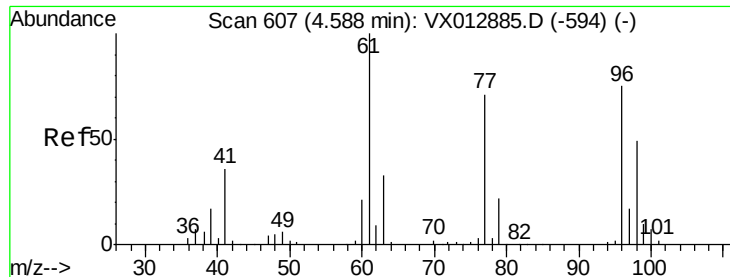
Tot Ion: 43 Resp: 13609
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#21
trans-1,2-Dichloroethene
Concen: 0.246 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 96 Resp: 472
Ion Ratio Lower Upper
96 100
61 132.1 110.4 165.6
98 51.5 51.5 77.3#



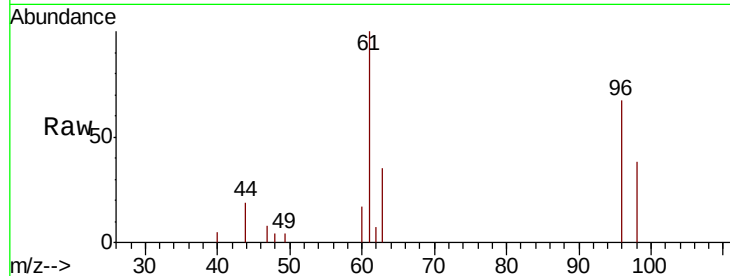


#27

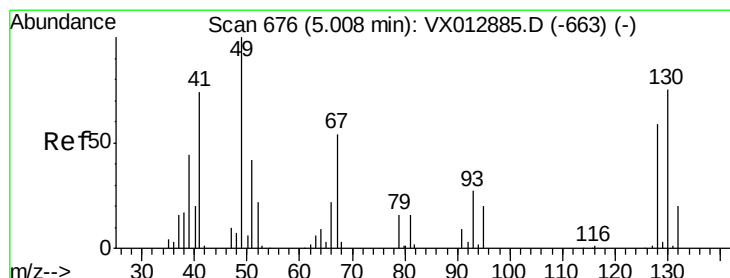
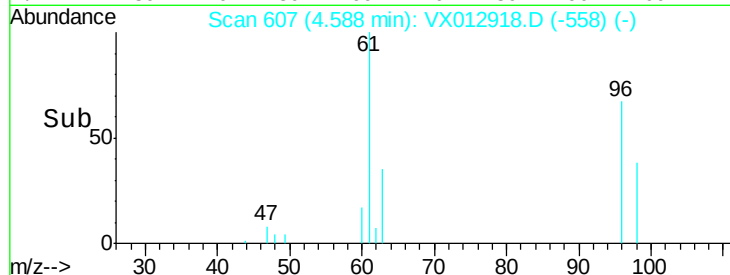
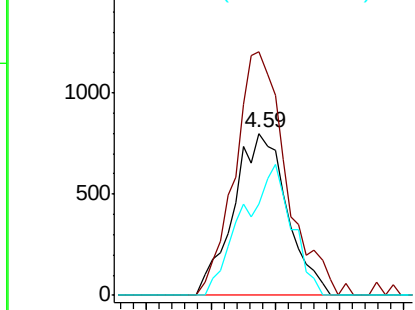
cis-1,2-Dichloroethene
Concen: 1.043 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 2303
Ion Ratio Lower Upper
96 100
61 145.2 0.0 290.6
98 74.3 0.0 128.8



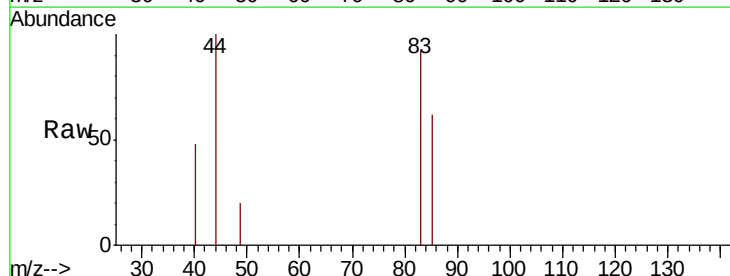
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



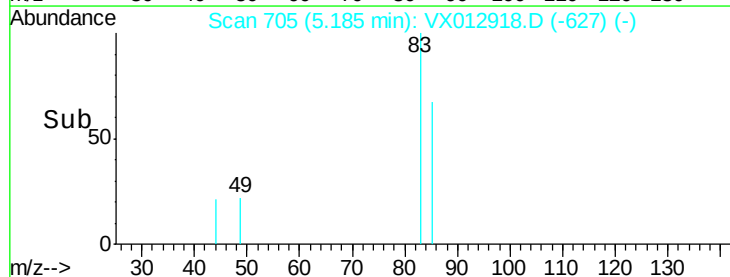
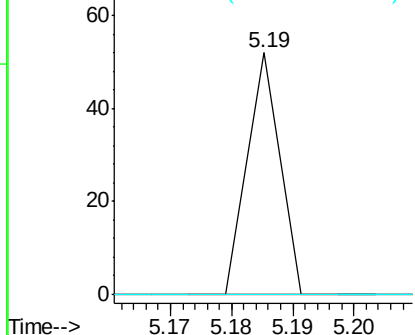
#28

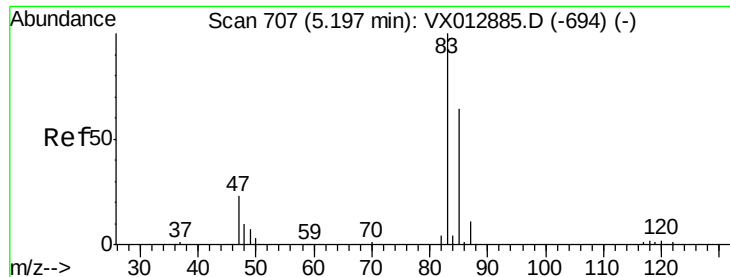
Bromochloromethane
Concen: Below Cal
RT: 5.19 min Scan# 705
Delta R.T. 0.18 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

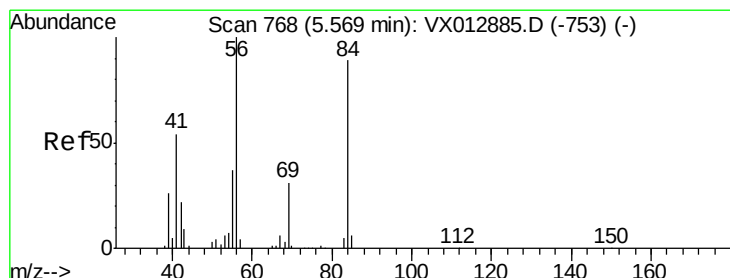
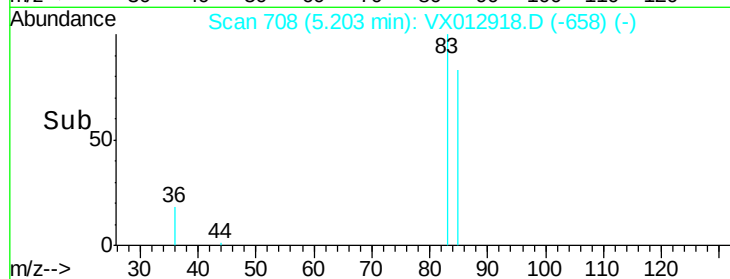
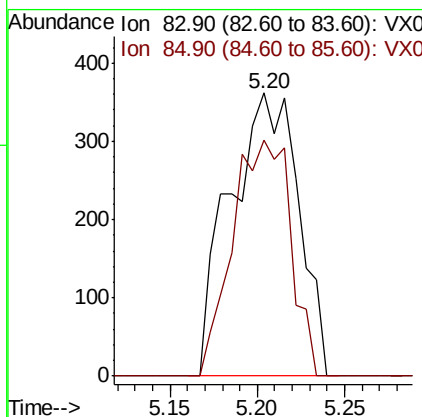
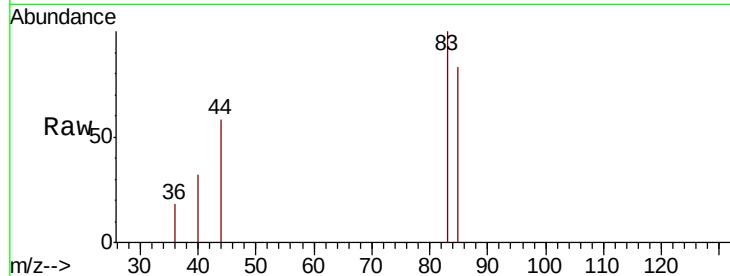




#30
Chloroform
Concen: 0.281 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

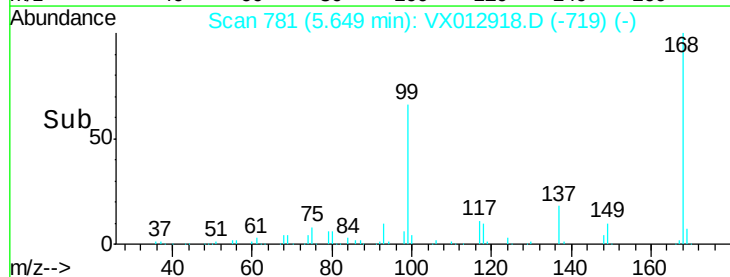
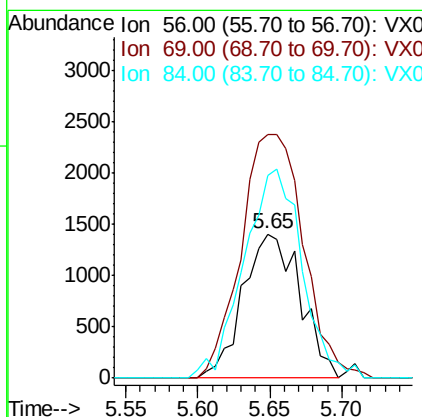
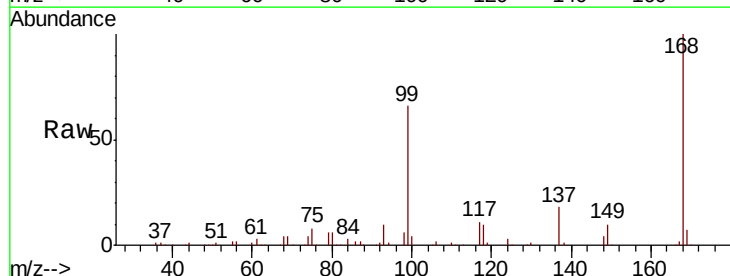
Instrument :
MSVOA_X
ClientSampleId :

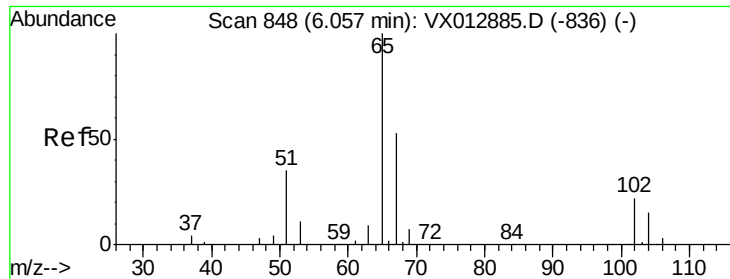
Tot Ion: 83 Resp: 990
Ion Ratio Lower Upper
83 100
85 83.1 51.5 77.3#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 56 Resp: 3880
Ion Ratio Lower Upper
56 100
69 168.7 25.2 37.8#
84 140.4 71.3 106.9#

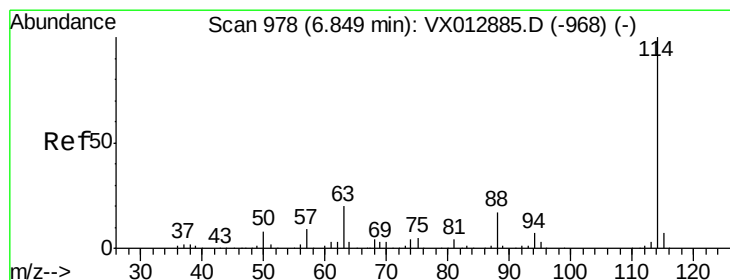
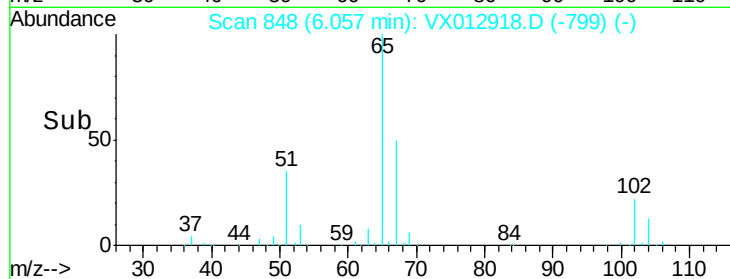
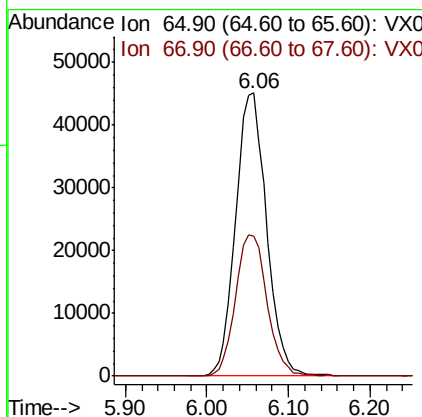
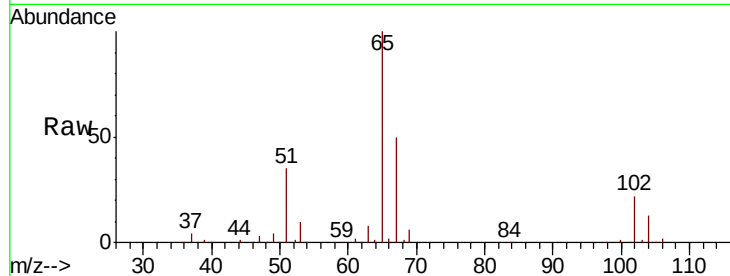




#33
 1,2-Dichloroethane-d4
 Concen: 53.632 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX012918.D
 Acq: 09 Oct 2019 03:32

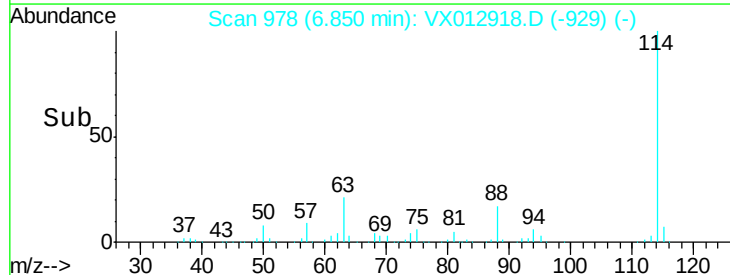
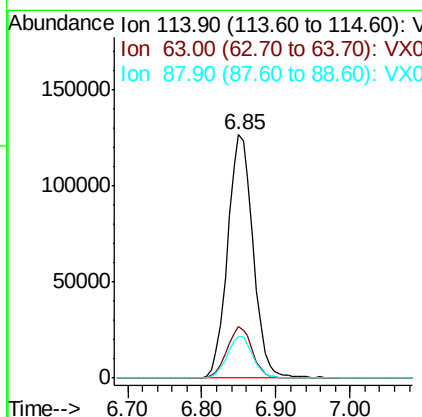
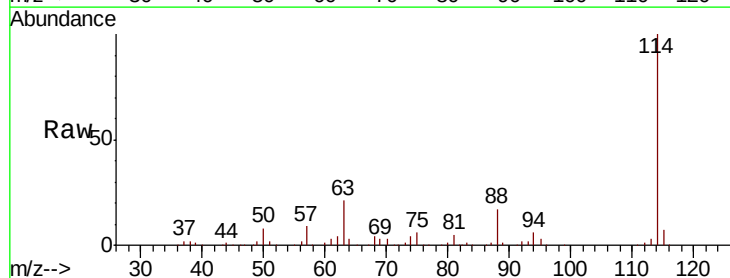
Instrument :
 MSVOA_X
 ClientSampleId :

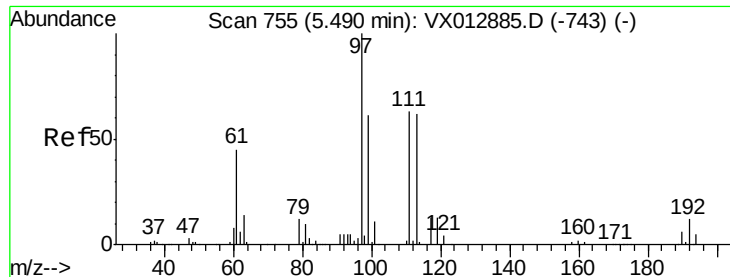
Tot Ion: 65 Resp: 118553
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012918.D
 Acq: 09 Oct 2019 03:32

Tgt Ion: 114 Resp: 302548
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.8
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.890 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

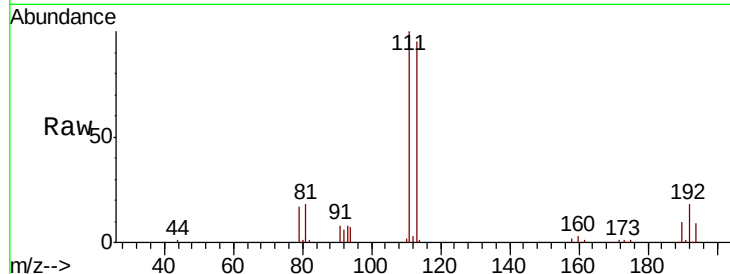
Tot Ion:113 Resp: 90105

Ion Ratio Lower Upper

113 100

111 104.5 83.2 124.8

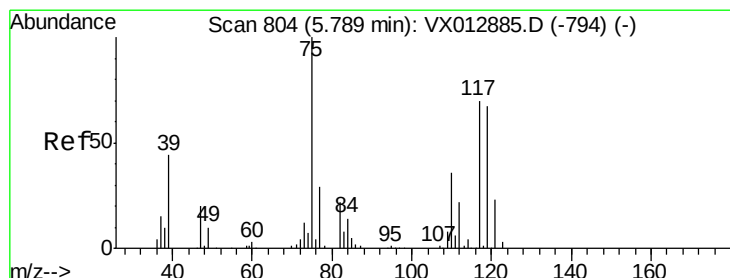
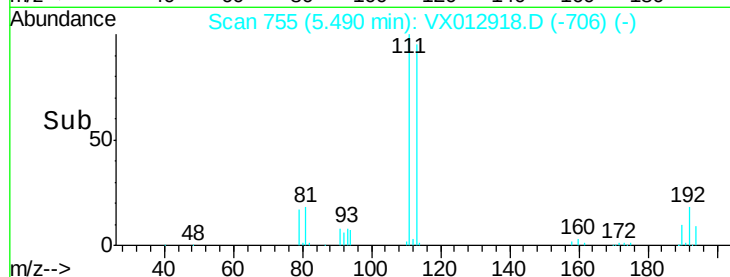
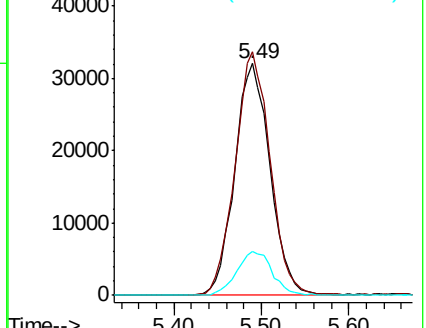
192 19.1 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.273 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

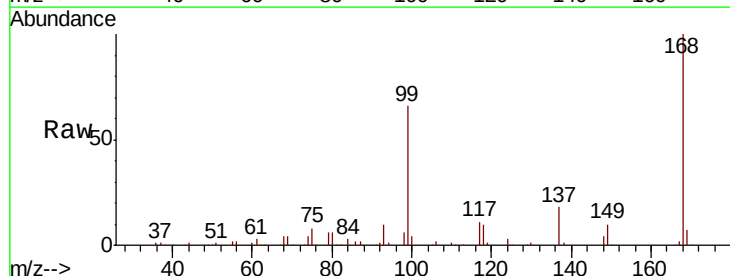
Tgt Ion: 75 Resp: 14026

Ion Ratio Lower Upper

75 100

110 9.9 17.6 52.9#

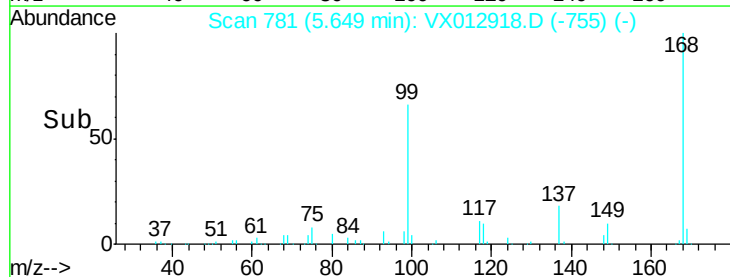
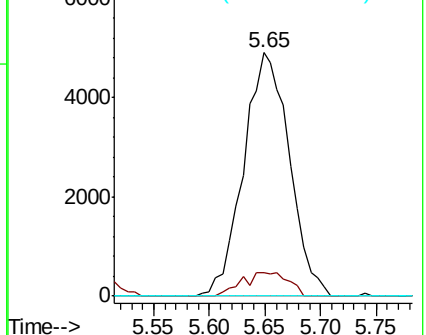
77 0.0 24.4 36.6#

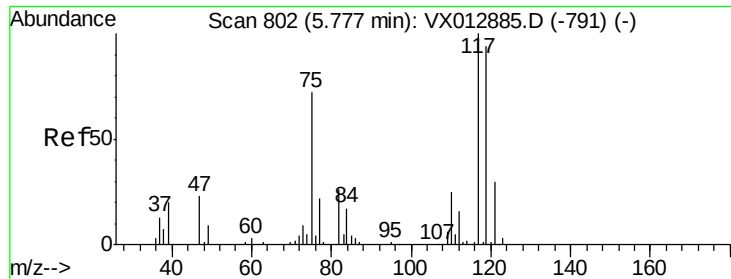


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

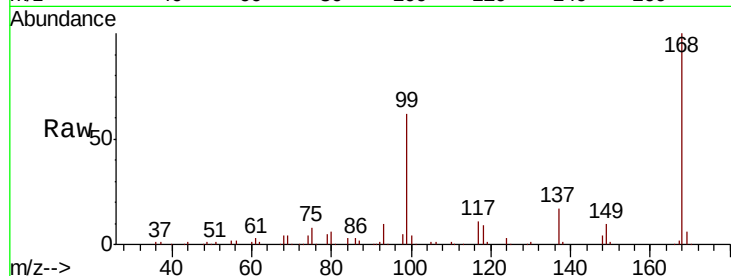




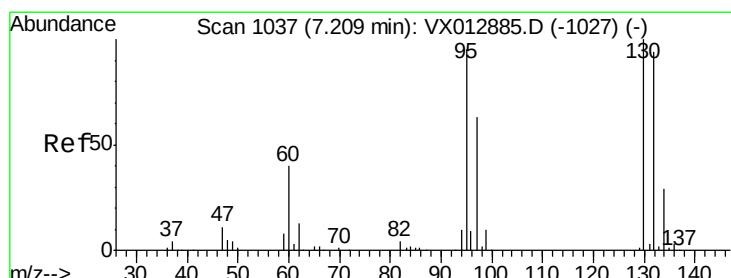
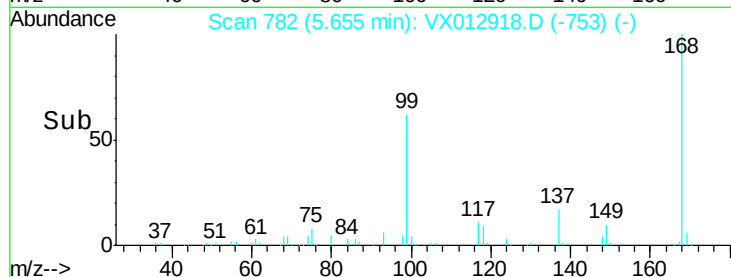
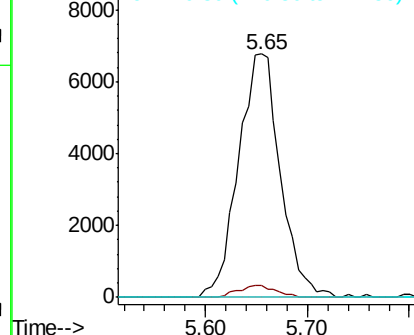
#38
Carbon Tetrachloride
Concen: 7.449 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 19285
Ion Ratio Lower Upper
117 100
119 5.1 74.5 111.7#
121 0.0 24.2 36.4#

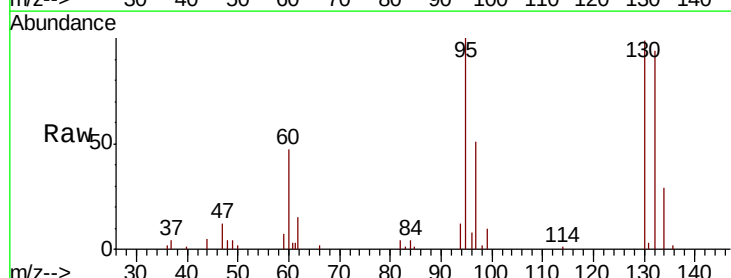


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

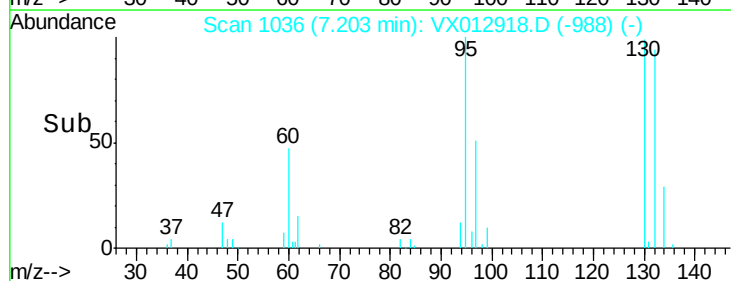
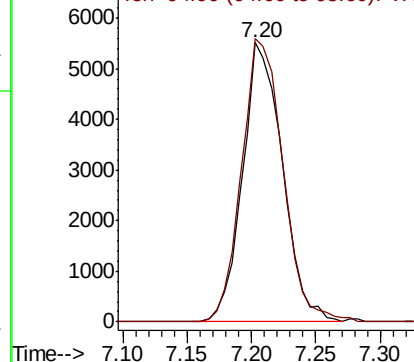


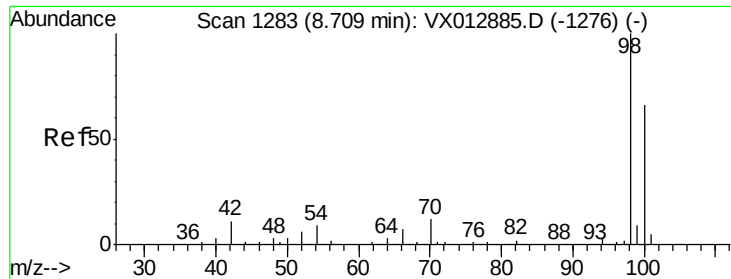
#44
Trichloroethene
Concen: 5.425 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion:130 Resp: 11819
Ion Ratio Lower Upper
130 100
95 101.4 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

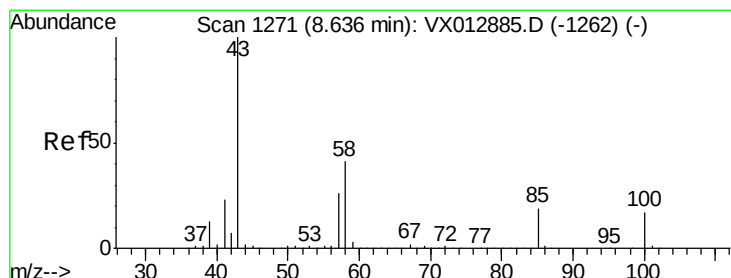
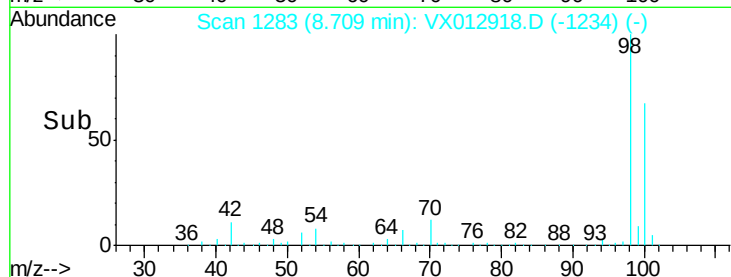
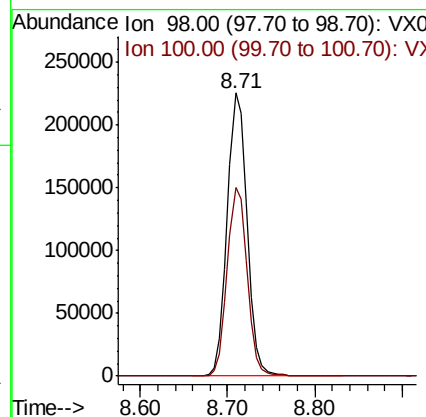
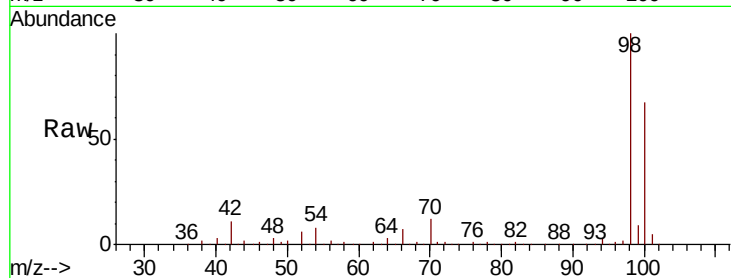




#50
Toluene-d8
Concen: 52.585 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

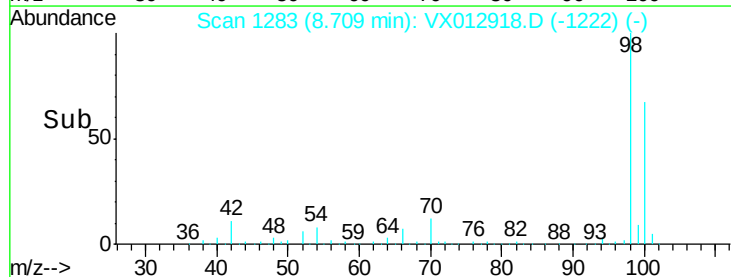
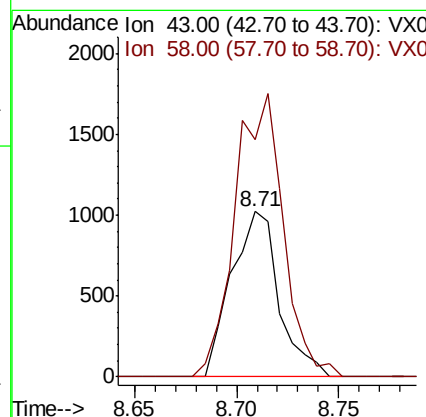
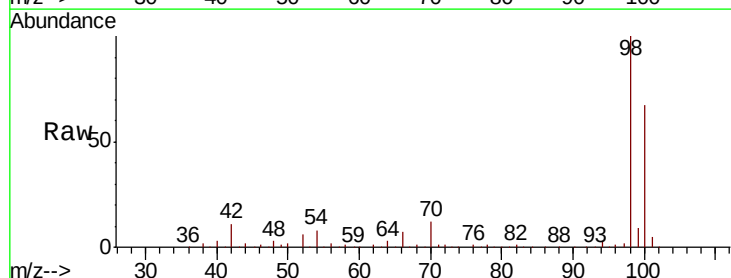
Instrument :
MSVOA_X
ClientSampled :

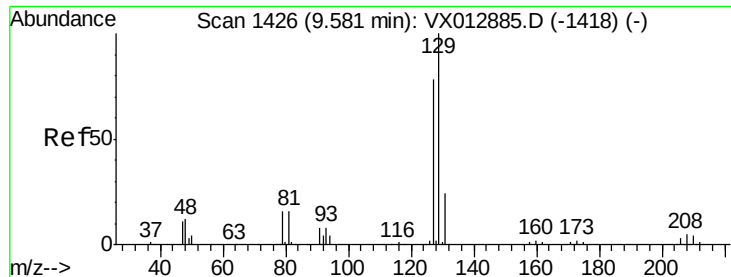
Tot Ion: 98 Resp: 356137
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.555 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
58 173.8 32.4 48.6#





#60

Dibromochloromethane

Concen: 10.825 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

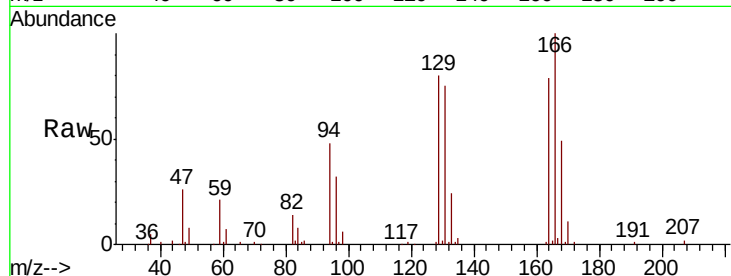
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 20616

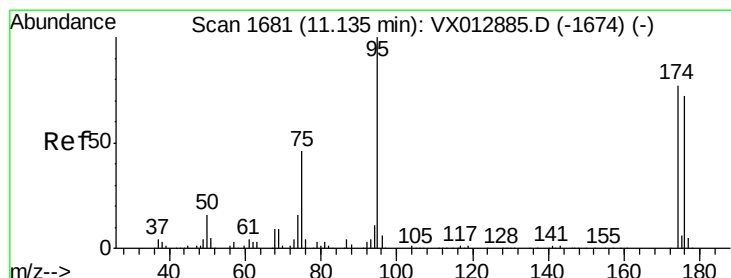
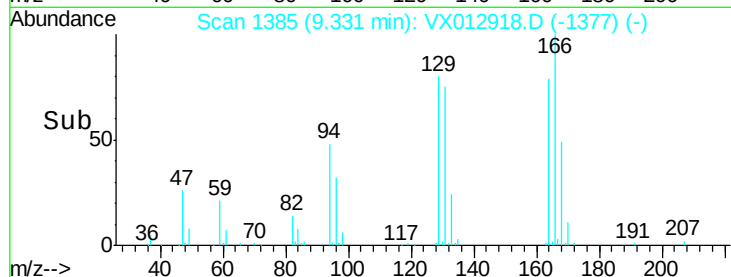
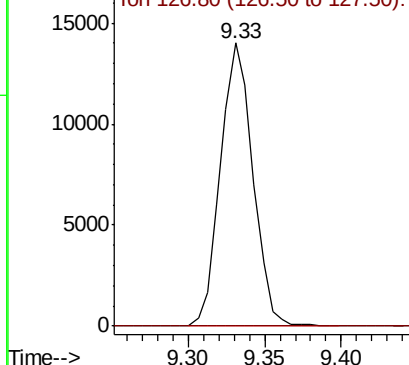
Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.666 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

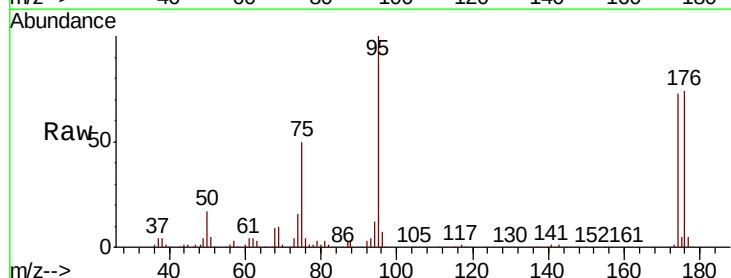
Tgt Ion: 95 Resp: 117540

Ion Ratio Lower Upper

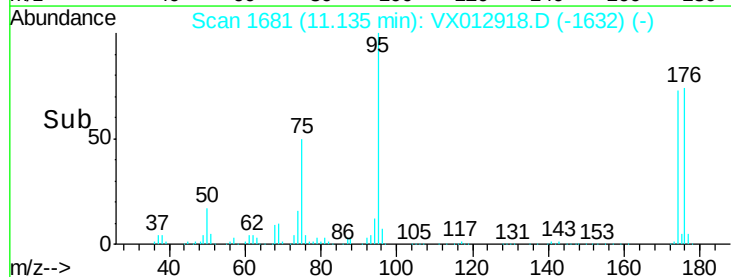
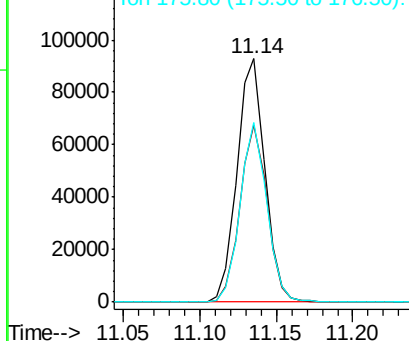
95 100

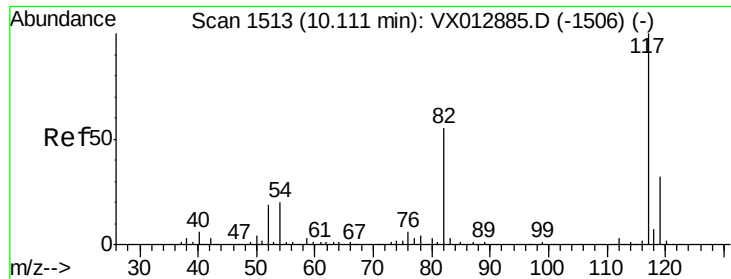
174 71.2 0.0 143.4

176 70.6 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

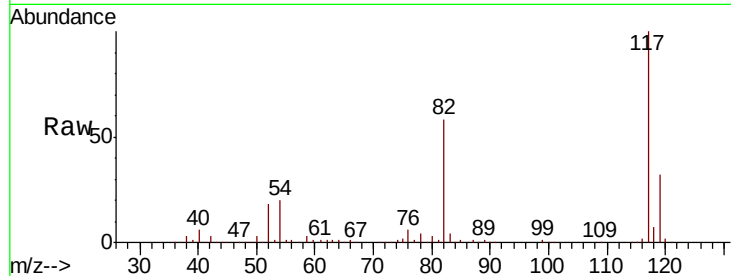




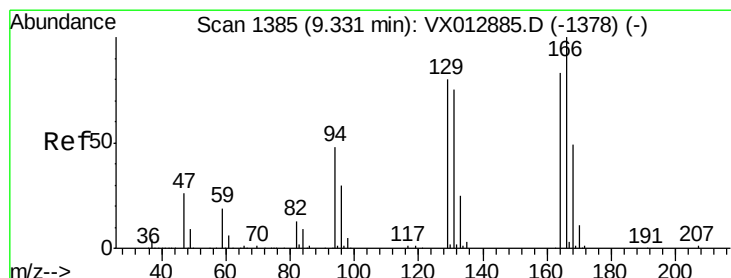
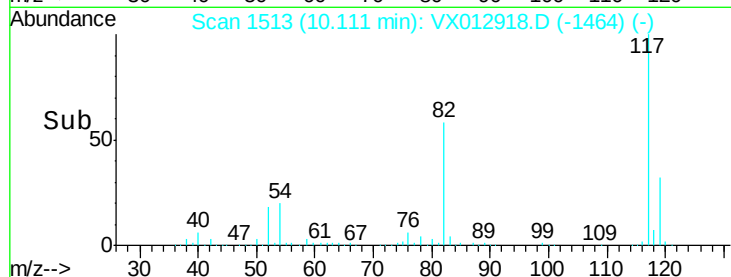
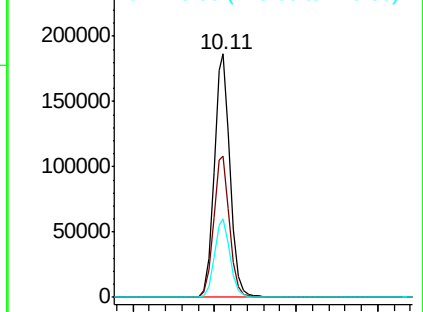
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 256319
Ion Ratio Lower Upper
117 100
82 58.2 44.1 66.1
119 32.4 25.8 38.8

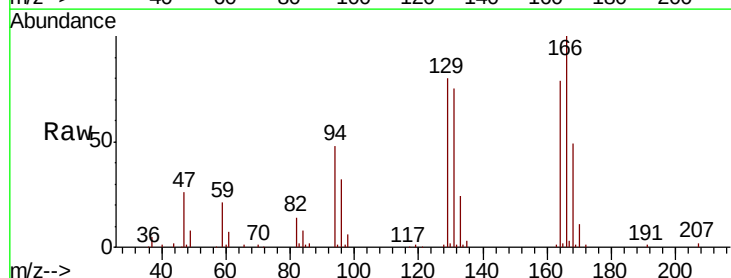


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

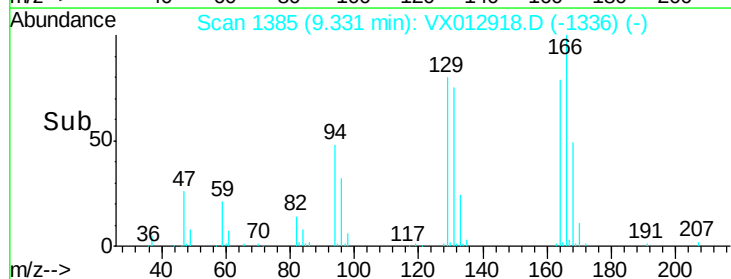
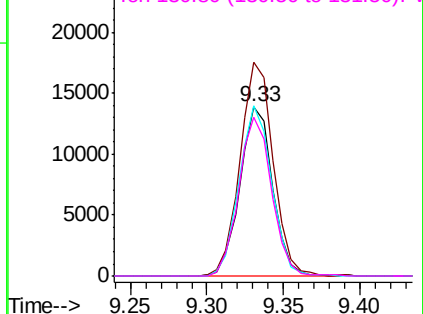


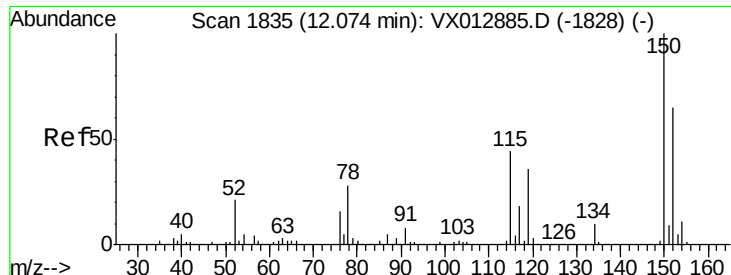
#64
Tetrachloroethene
Concen: 11.521 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012918.D
Acq: 09 Oct 2019 03:32

Tgt Ion:164 Resp: 20482
Ion Ratio Lower Upper
164 100
166 126.4 96.9 145.3
129 100.8 77.9 116.9
131 94.2 72.7 109.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

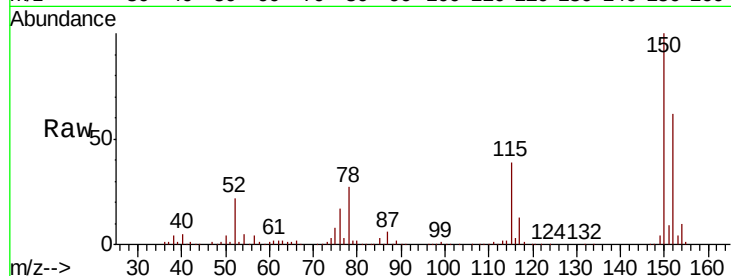
Tot Ion:152 Resp: 96196

Ion Ratio Lower Upper

152 100

115 64.7 44.5 133.5

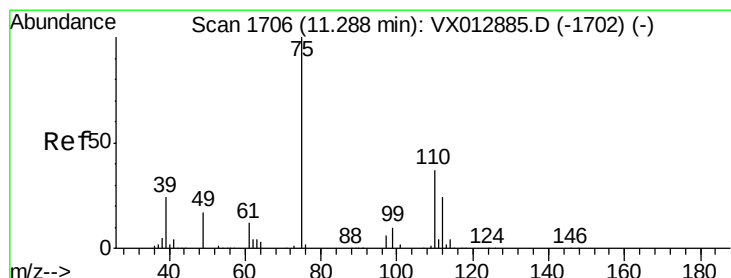
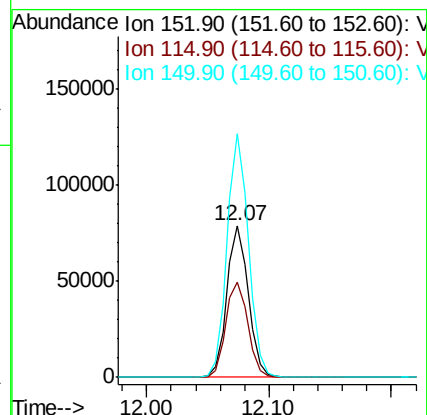
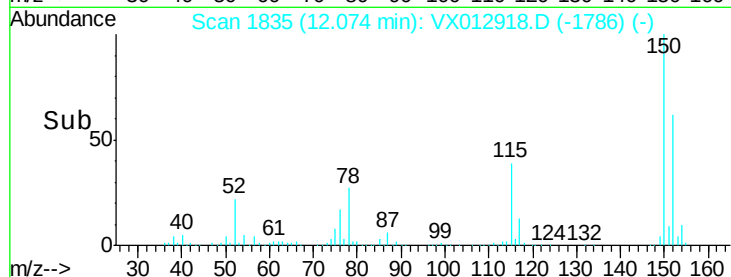
150 159.5 0.0 353.4



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: 28.019 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012918.D

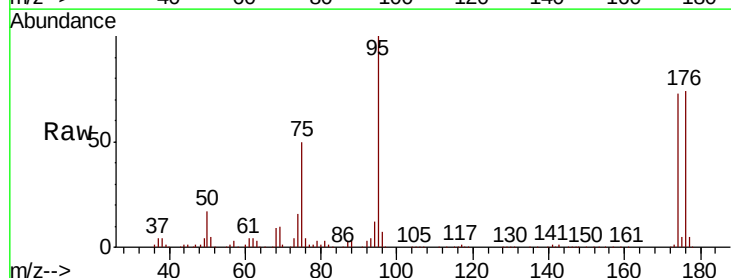
Acq: 09 Oct 2019 03:32

Tgt Ion: 75 Resp: 59782

Ion Ratio Lower Upper

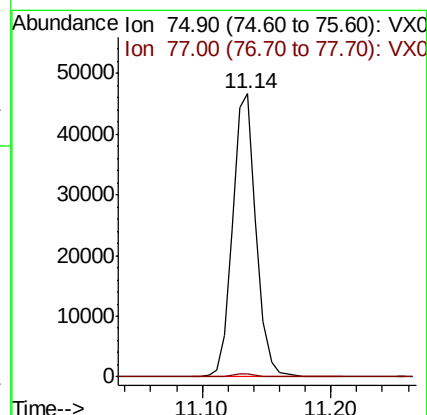
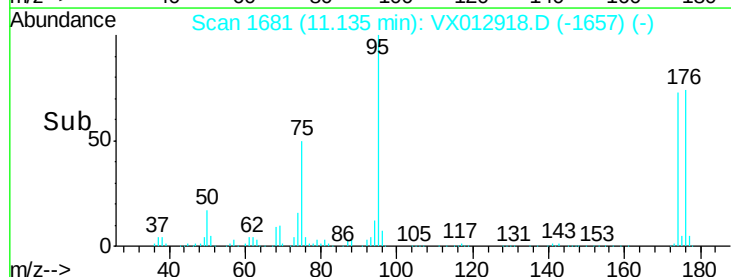
75 100

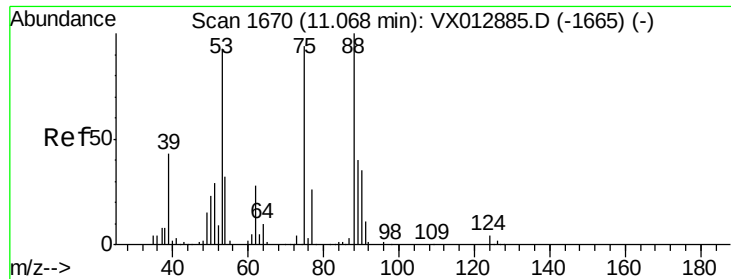
77 1.2 22.9 68.8#



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: 70.249 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012918.D

Acq: 09 Oct 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 59782

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

