

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013118.D
 Acq On : 17 Oct 2019 19:28
 Operator : JC/SP
 Sample : K5396-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW0301C

Quant Time: Oct 18 08:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99453	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	105184	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.49	113	82622	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	8.71	98	323148	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.13	95	110473	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

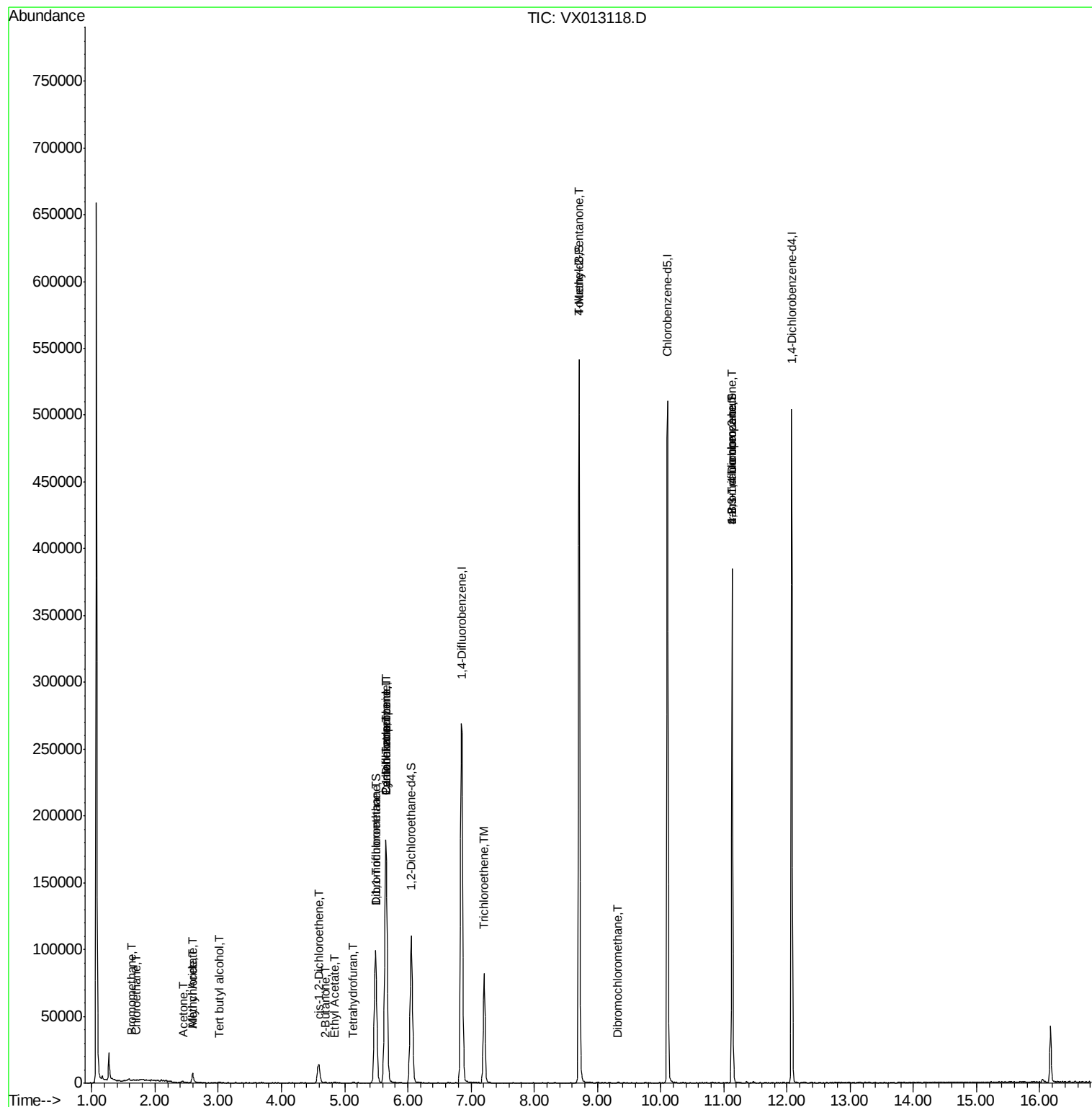
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	270	0.328	ug/l #	53
6) Chloroethane	1.70	64	188	0.522	ug/l #	43
11) Tert butyl alcohol	3.02	59	378	0.660	ug/l #	72
14) Allyl chloride	2.59	41	819	0.263	ug/l #	55
16) Acetone	2.44	43	1350	1.186	ug/l	90
18) Methyl Acetate	2.59	43	1987	0.736	ug/l #	51
25) 2-Butanone	4.70	43	704	0.446	ug/l #	49
27) cis-1,2-Dichloroethene	4.58	96	9804	4.544	ug/l	84
29) Tetrahydrofuran	5.14	42	282	0.290	ug/l #	89
31) Cyclohexane	5.65	56	3555	1.134	ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	3489	1.197	ug/l #	49
36) 1,1-Dichloropropene	5.65	75	12988	5.308	ug/l #	50
37) Ethyl Acetate	4.84	43	723	0.264	ug/l #	67
38) Carbon Tetrachloride	5.65	117	17059	7.163	ug/l #	16
44) Trichloroethene	7.21	130	32089	16.014	ug/l	97
51) 4-Methyl-2-Pentanone	8.71	43	1352	0.494	ug/l #	1
60) Dibromochloromethane	9.33	129	51	1.881	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	54256	24.596	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	54256	62.167	ug/l #	10

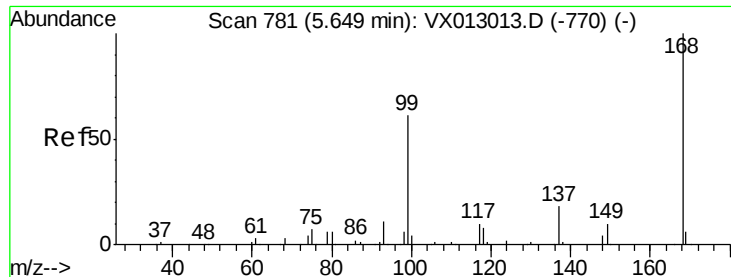
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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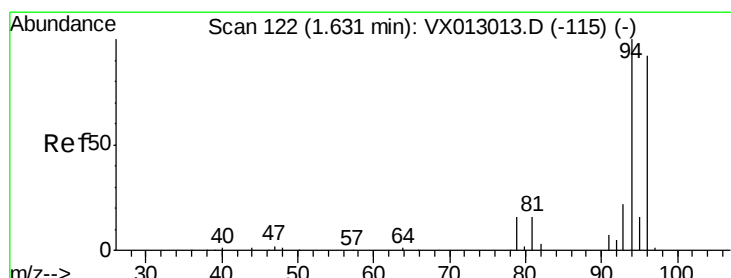
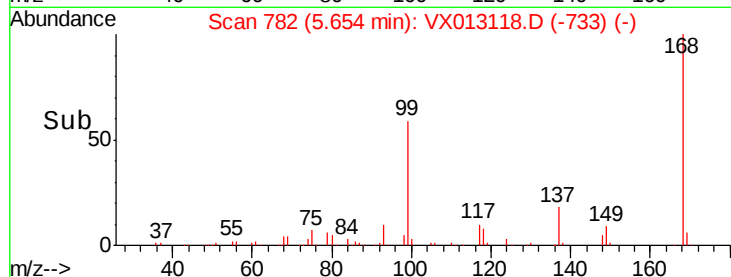
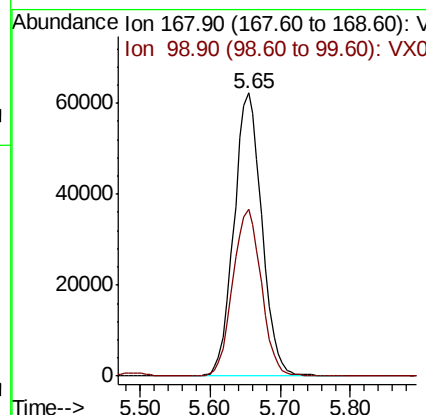
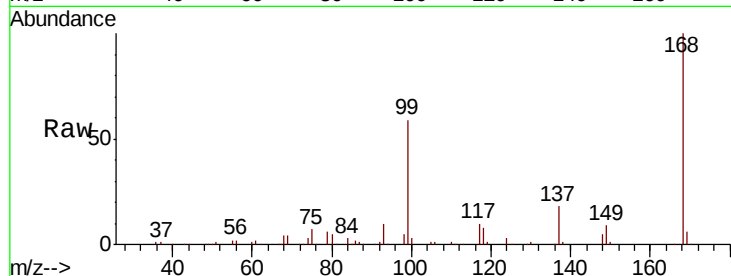




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.00 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

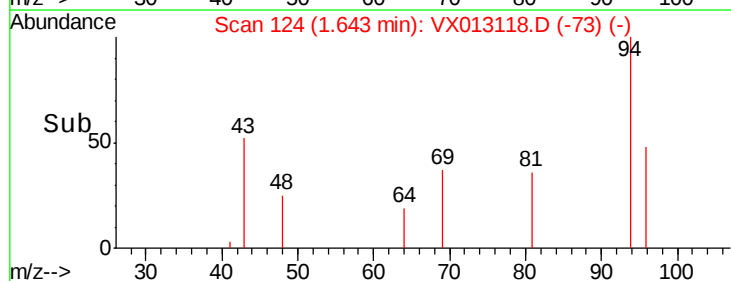
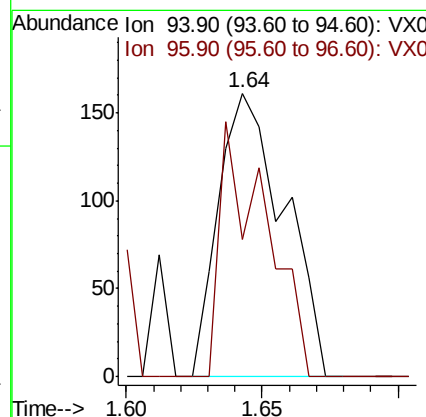
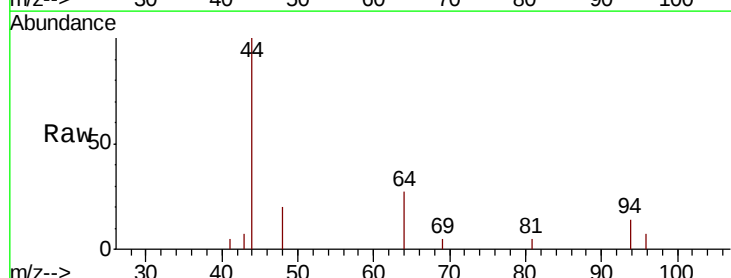
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW0301C

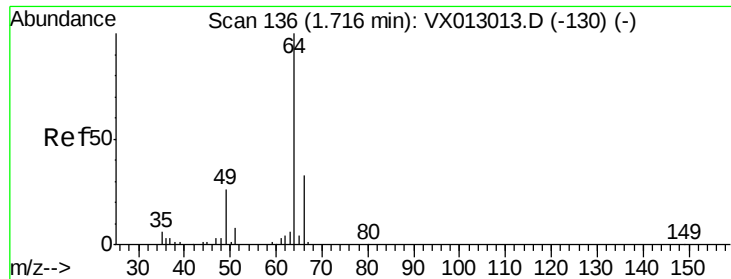
Tot Ion:168 Resp: 172816
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.0



#5
Bromomethane
Concen: 0.328 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 94 Resp: 270
Ion Ratio Lower Upper
94 100
96 48.4 74.7 112.1#





#6

Chloroethane

Concen: 0.522 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

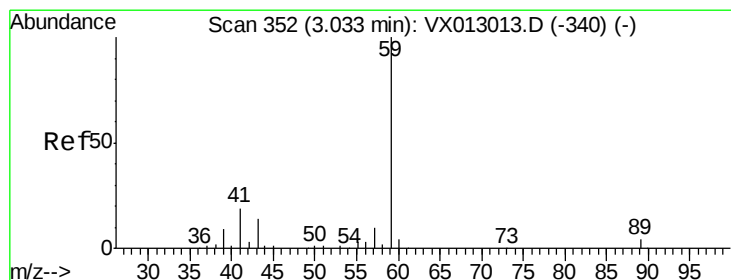
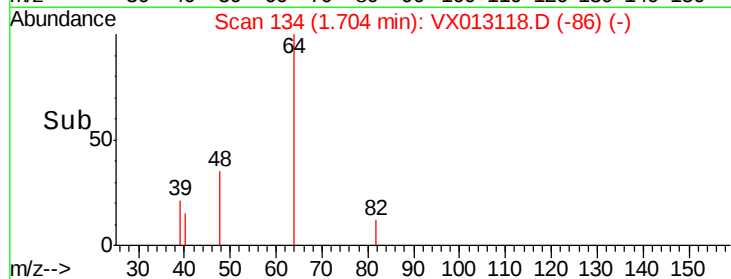
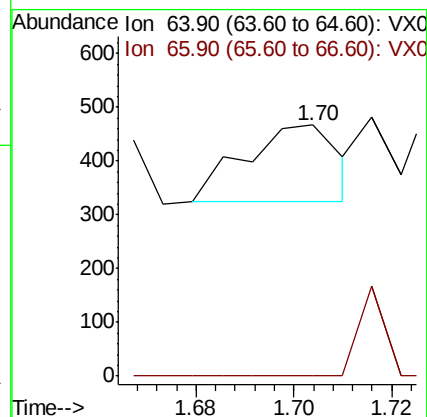
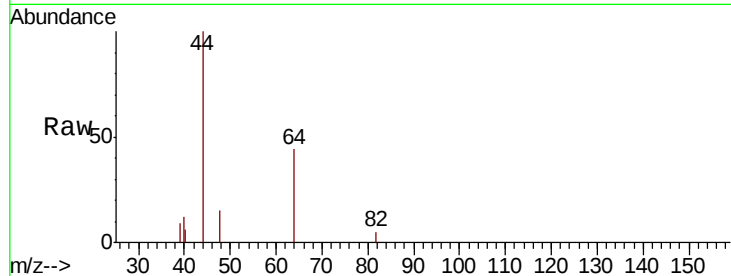
FA19-JMW0301C

Tot Ion: 64 Resp: 188

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



#11

Tert butyl alcohol

Concen: 0.660 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX013118.D

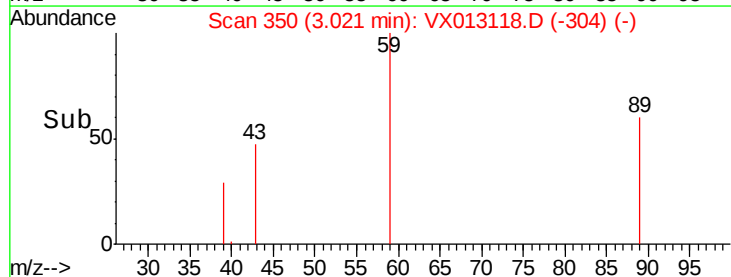
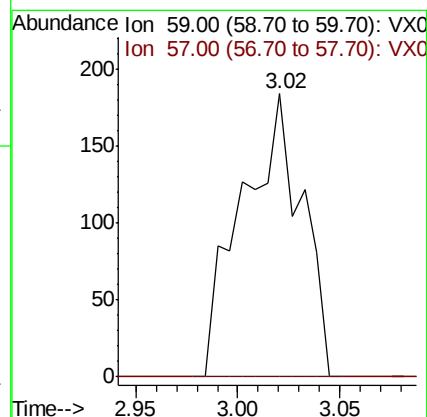
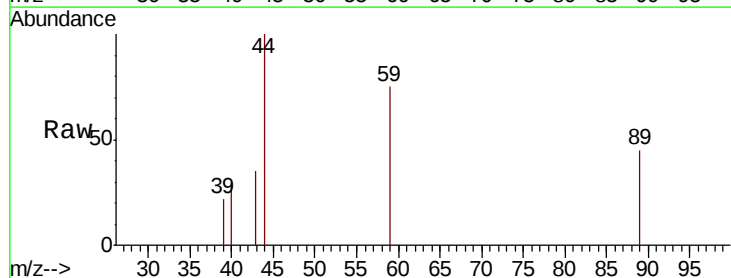
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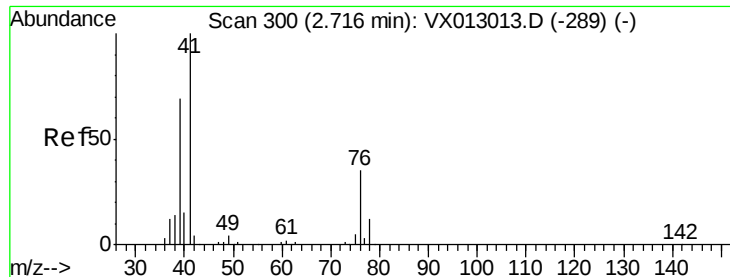
Tgt Ion: 59 Resp: 378

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#14

Allv1 chloride

Concen: 0.263 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW0301C

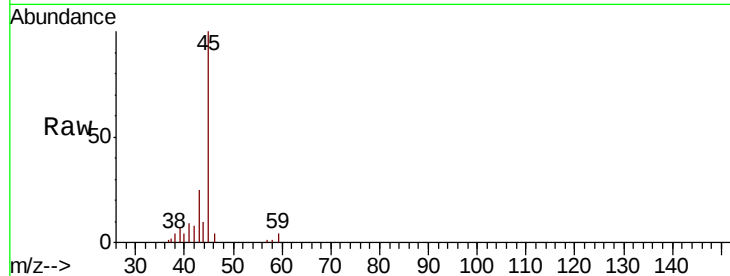
Tot Ion: 41 Resp: 819

Ion Ratio Lower Upper

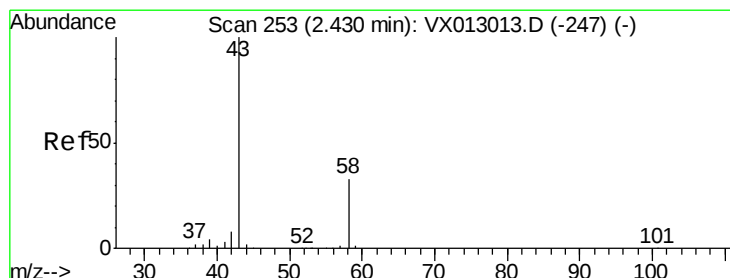
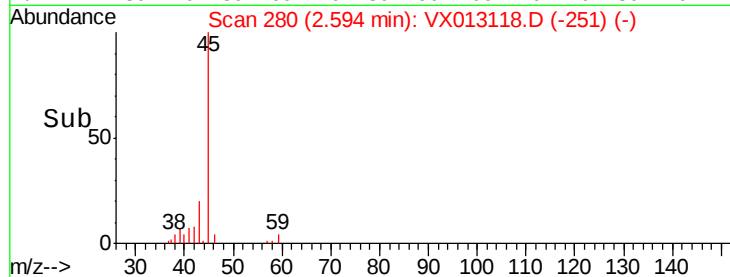
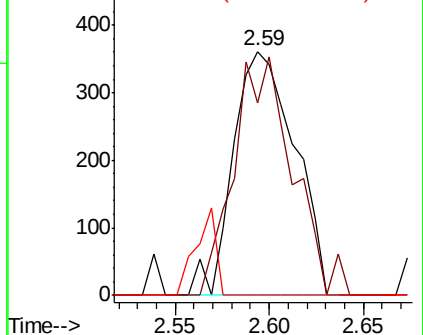
41 100

39 93.5 51.0 76.6#

76 0.0 26.2 39.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 1.186 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013118.D

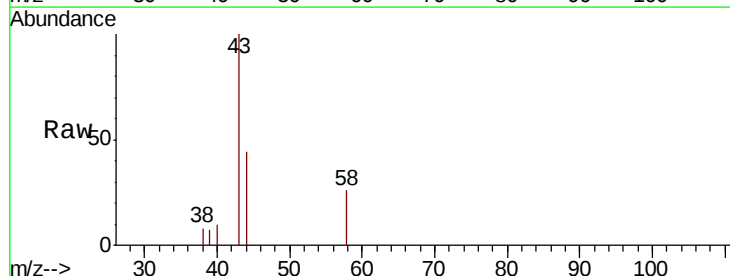
Acq: 17 Oct 2019 19:28

Tgt Ion: 43 Resp: 1350

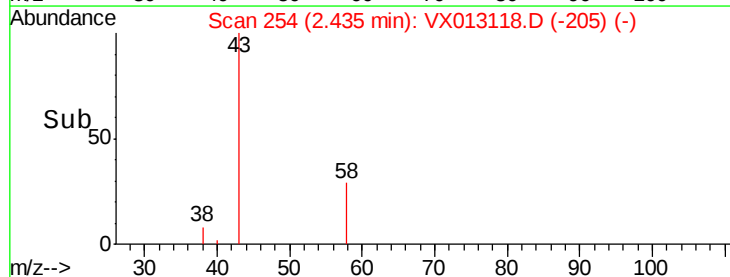
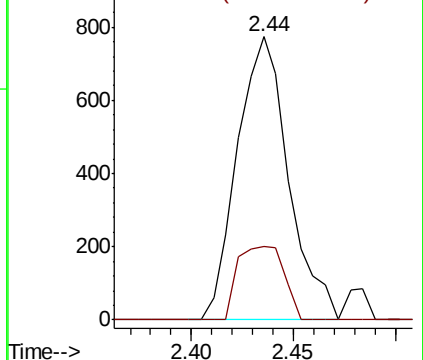
Ion Ratio Lower Upper

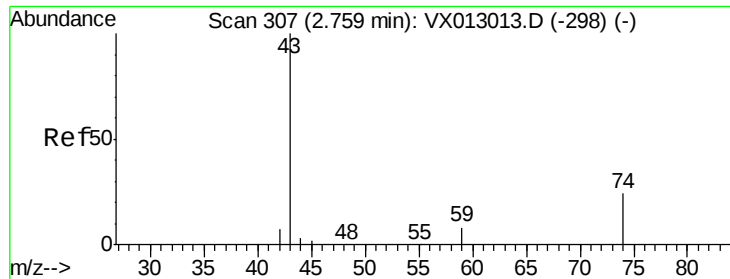
43 100

58 26.1 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

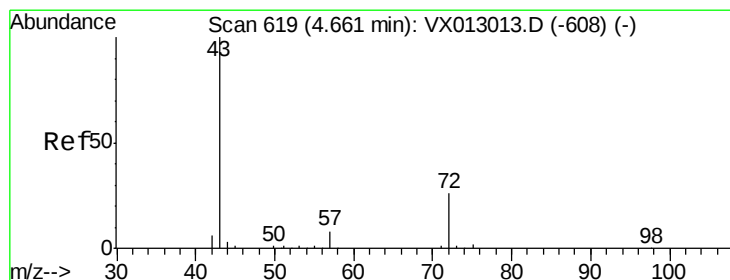
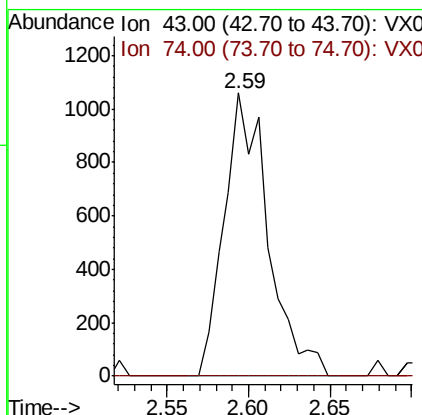
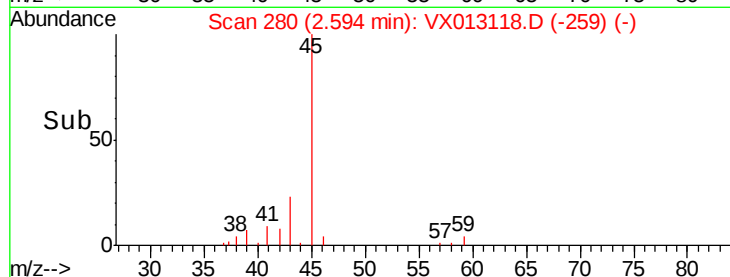
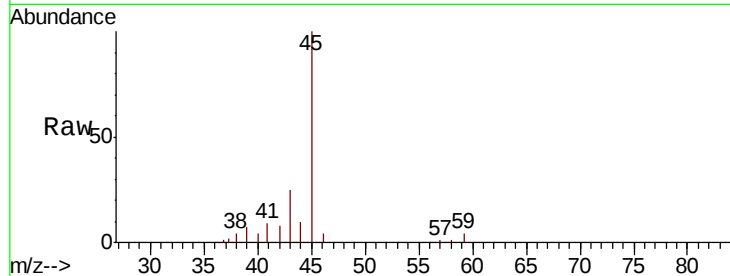




#18
Methvl Acetate
Concen: 0.736 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

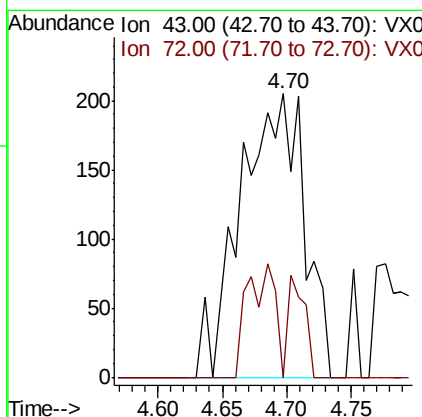
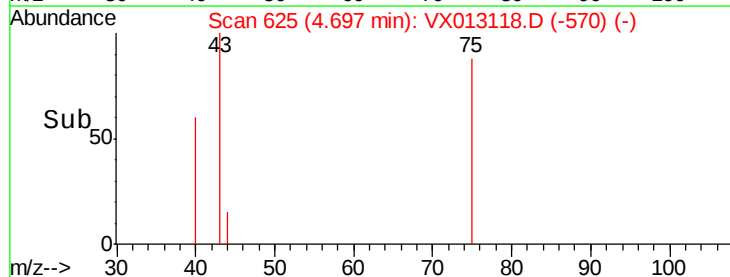
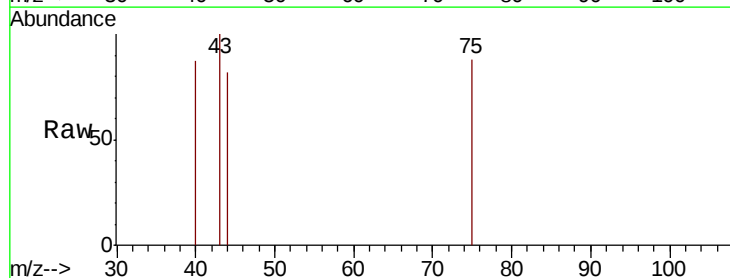
Instrument :
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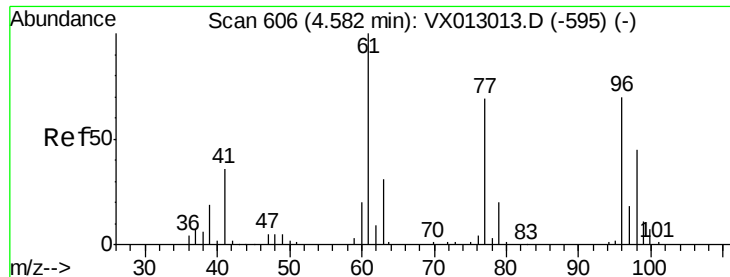
Tot Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.446 ug/l
RT: 4.70 min Scan# 625
Delta R.T. 0.04 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



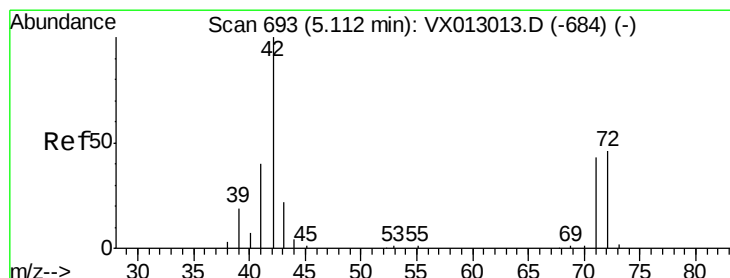
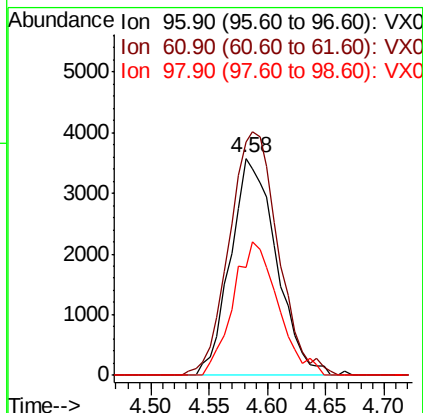
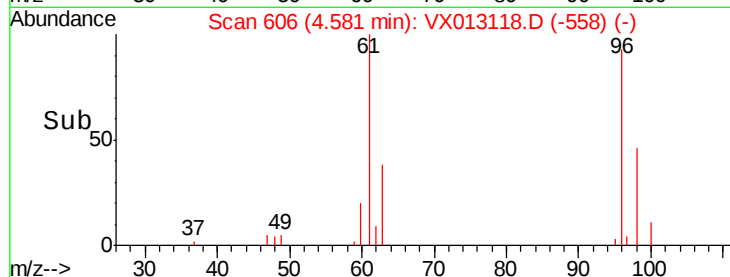
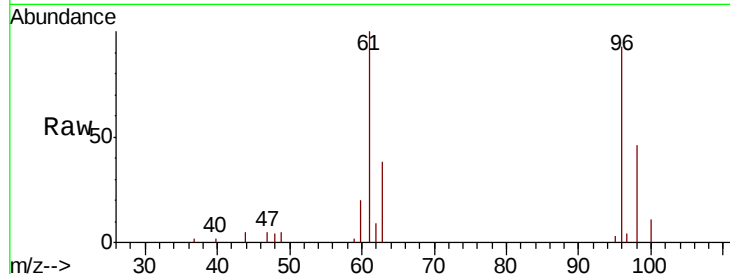


#27

cis-1,2-Dichloroethene
Concen: 4.544 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW0301C

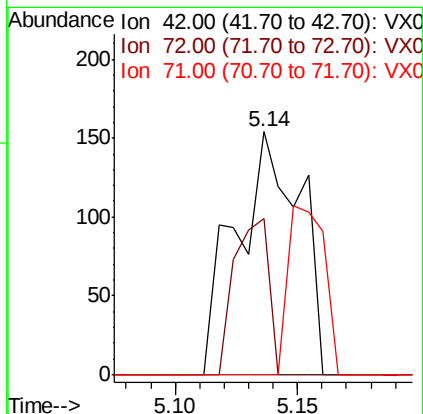
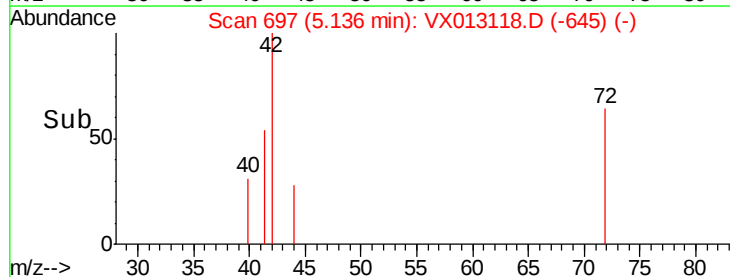
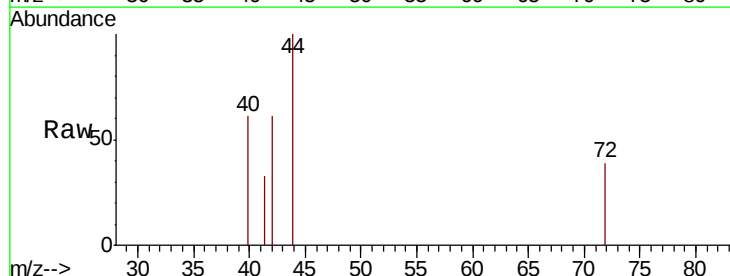
Tot Ion: 96 Resp: 9804
Ion Ratio Lower Upper
96 100
61 119.4 0.0 290.6
98 60.6 0.0 128.8

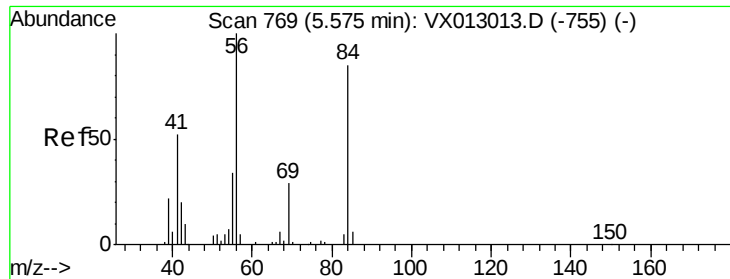


#29

Tetrahydrofuran
Concen: 0.290 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 34.4 36.9 55.3#
71 39.0 33.5 50.3

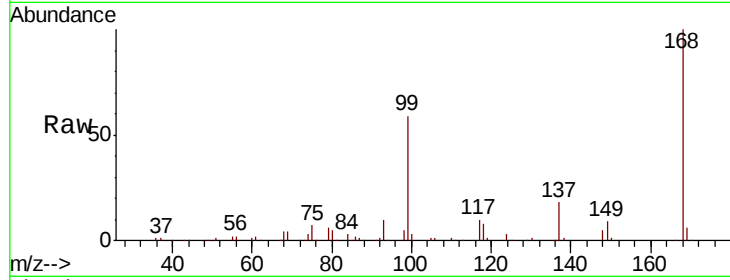




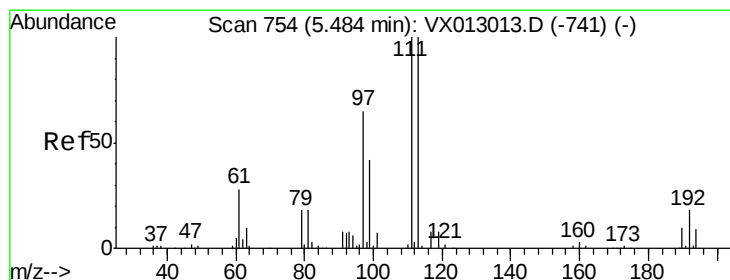
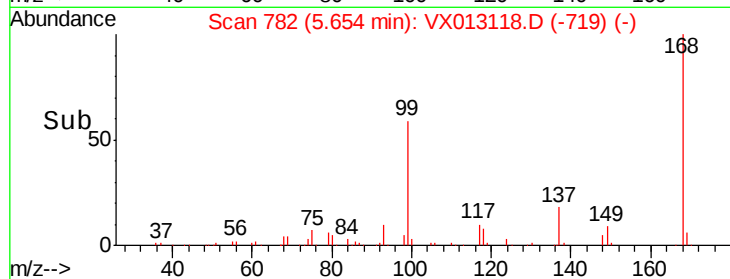
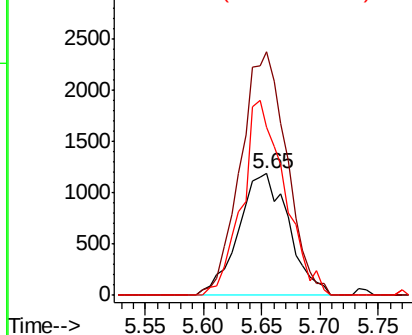
#31
Cyclohexane
Concen: 1.134 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.08 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion: 56 Resp: 3555
Ion Ratio Lower Upper
56 100
69 199.9 25.2 37.8#
84 138.1 71.3 106.9#

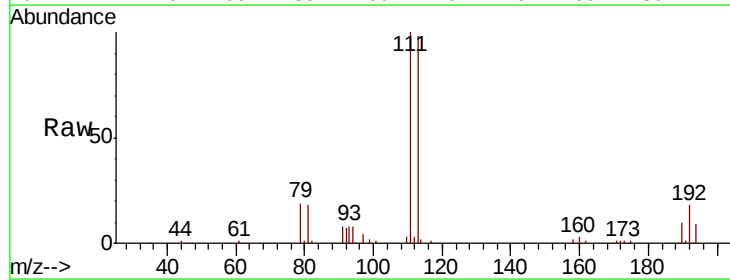


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

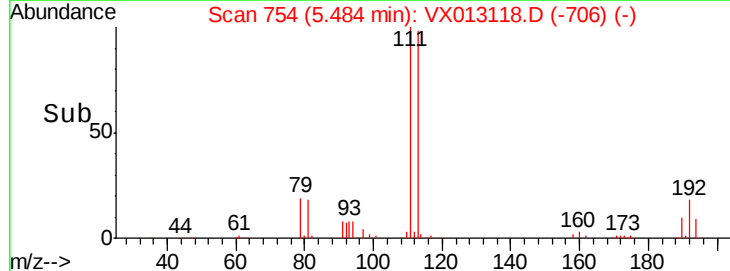
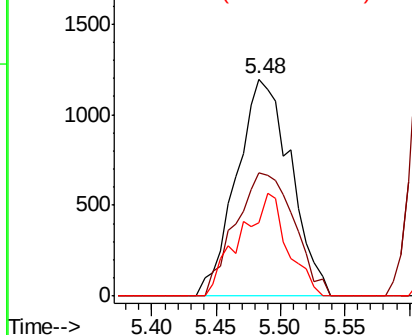


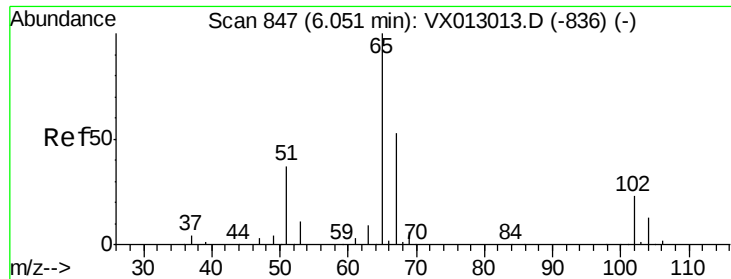
#32
1,1,1-Trichloroethane
Concen: 1.197 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 97 Resp: 3489
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 41.7 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

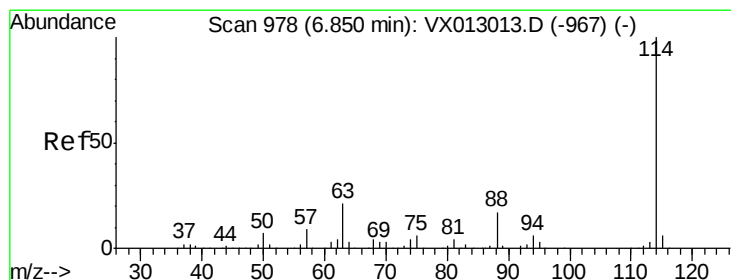
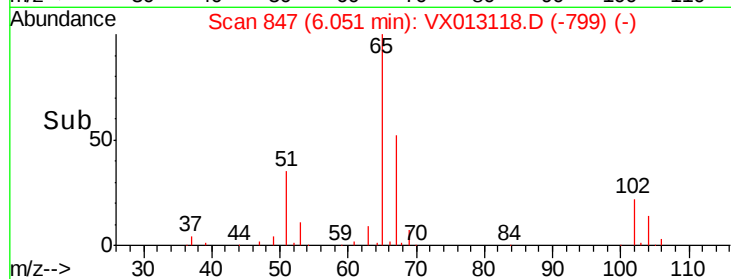
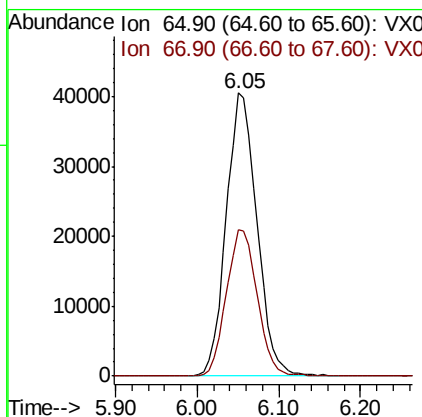
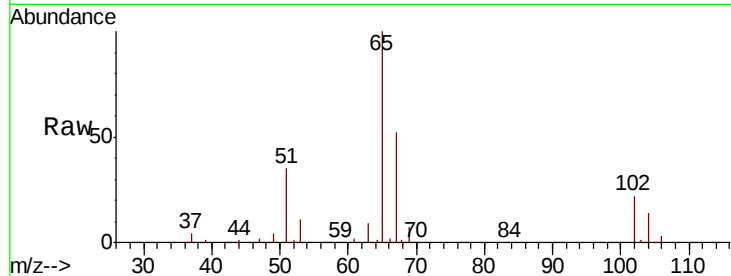




#33
 1,2-Dichloroethane-d4
 Concen: 48.697 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013118.D
 Acq: 17 Oct 2019 19:28

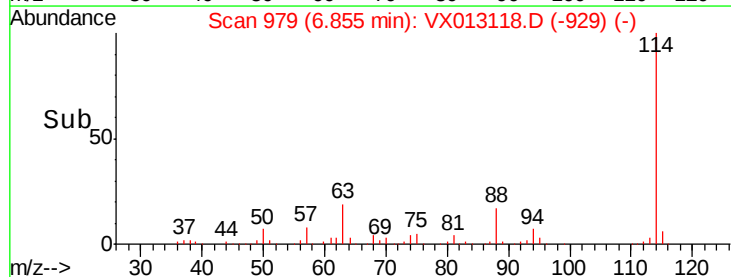
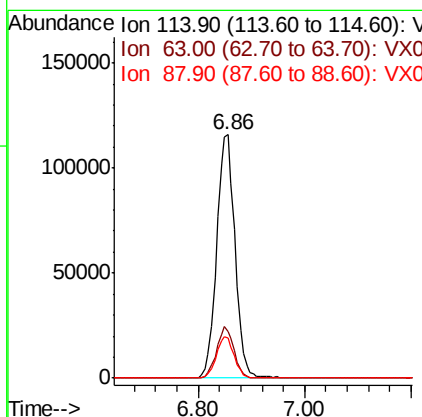
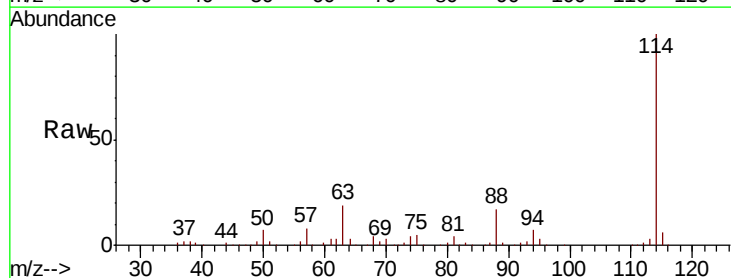
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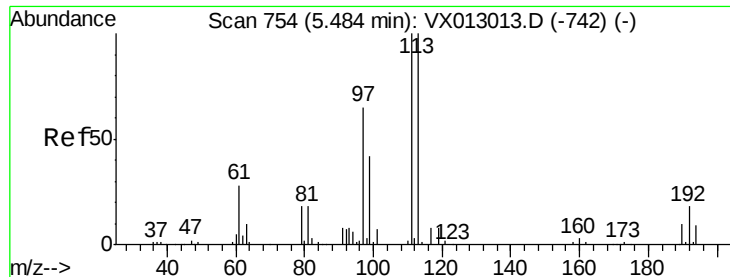
Tot Ion: 65 Resp: 105184
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013118.D
 Acq: 17 Oct 2019 19:28

Tgt Ion: 114 Resp: 278282
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.8
 88 16.5 0.0 33.8

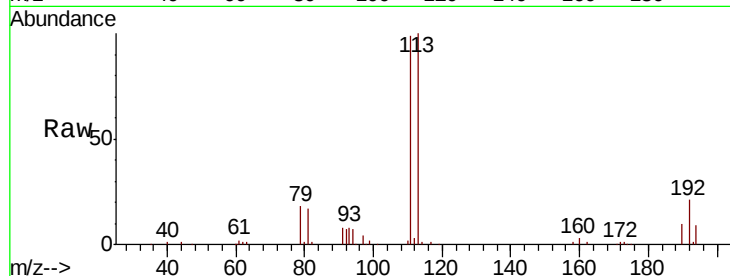




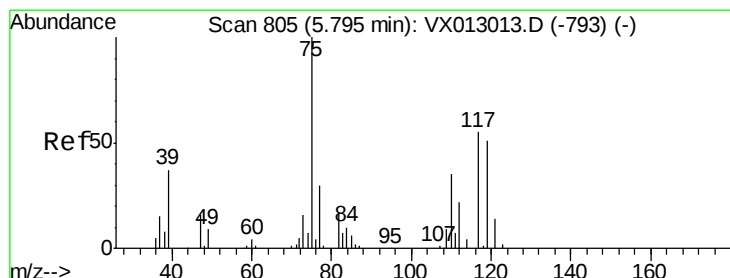
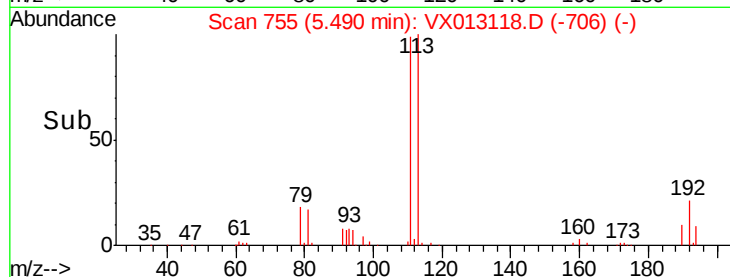
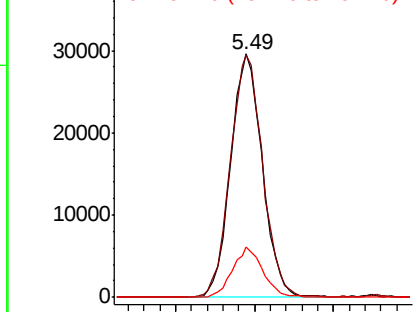
#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW0301C

Tot Ion:113 Resp: 82622
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 19.5 15.4 23.2

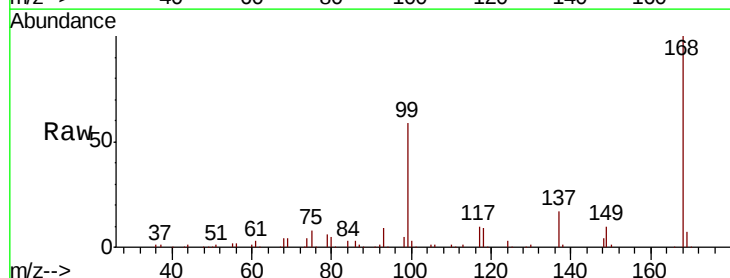


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

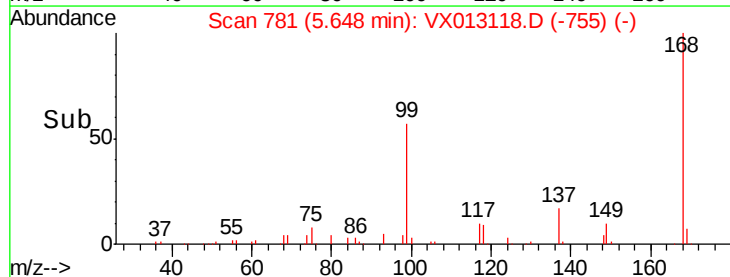
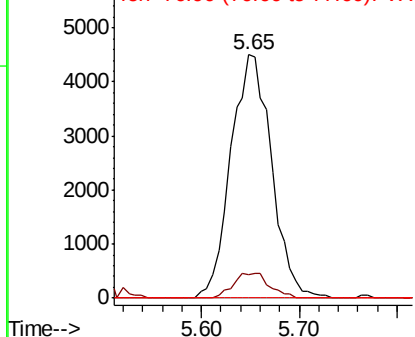


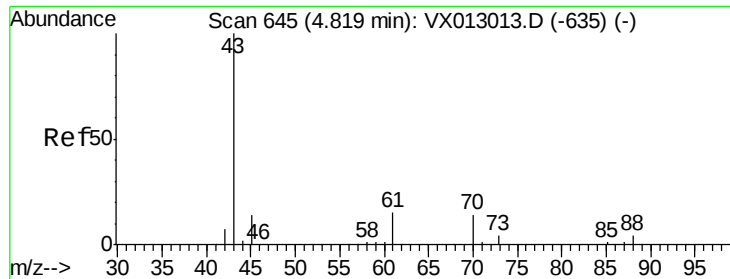
#36
1,1-Dichloropropene
Concen: 5.308 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 75 Resp: 12988
Ion Ratio Lower Upper
75 100
110 9.1 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

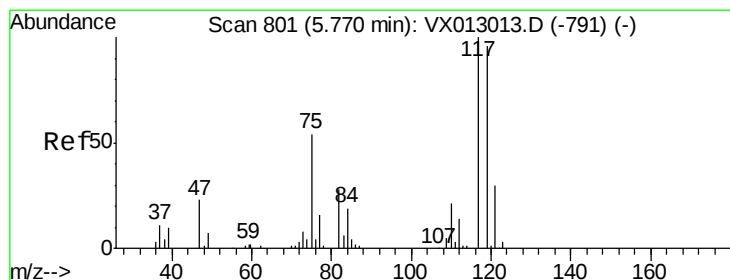
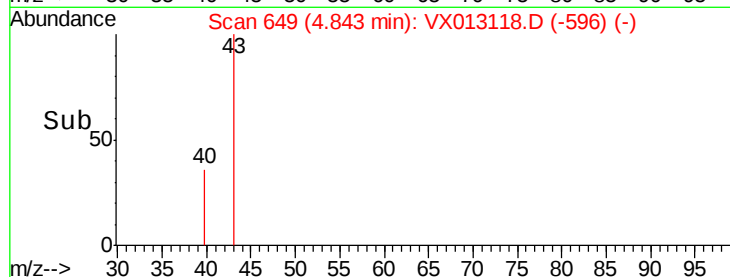
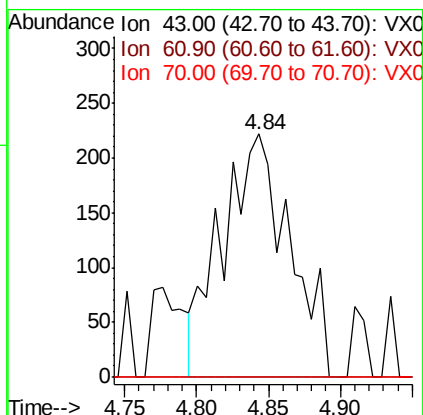
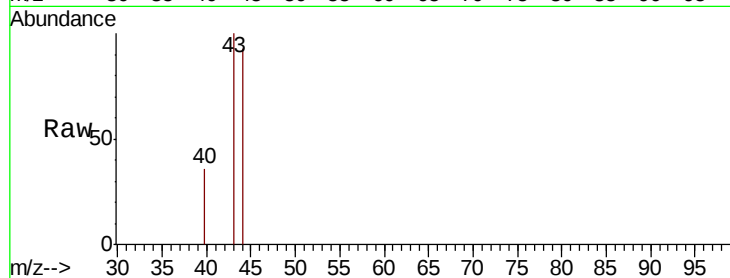




#37
Ethyl Acetate
Concen: 0.264 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

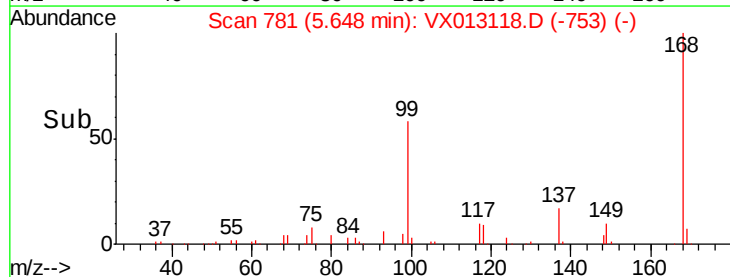
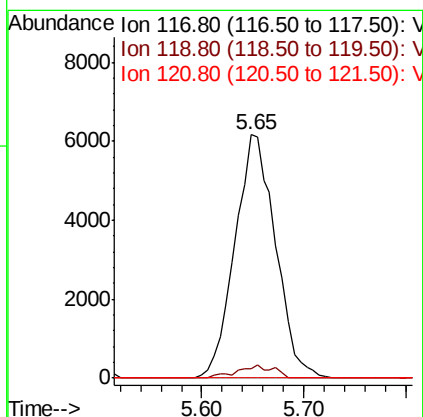
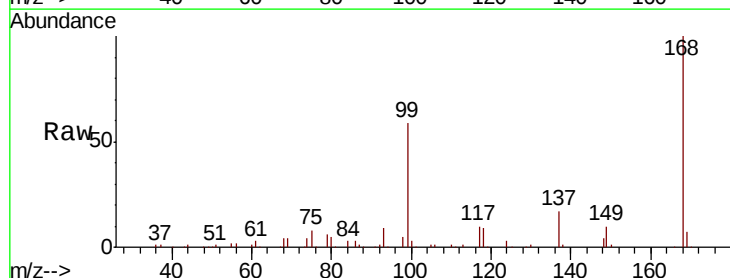
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW0301C

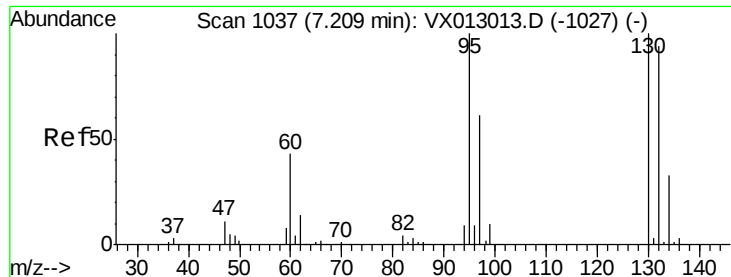
Tot Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.163 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013118.D
Acq: 17 Oct 2019 19:28

Tgt Ion: 117 Resp: 17059
Ion Ratio Lower Upper
117 100
119 3.6 74.5 111.7#
121 0.0 24.2 36.4#

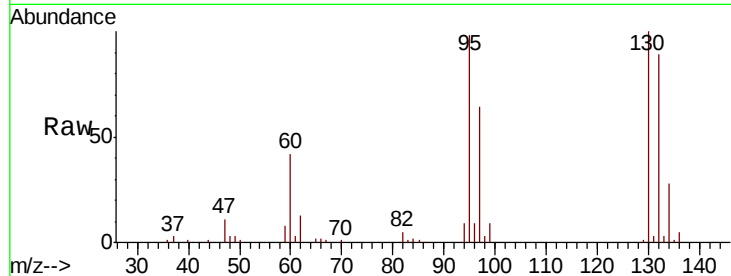




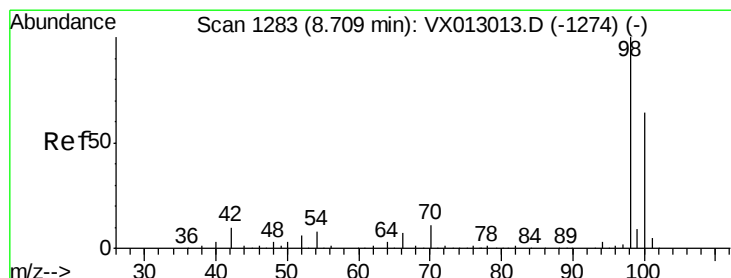
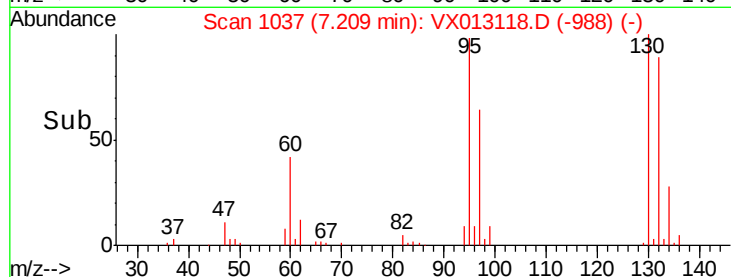
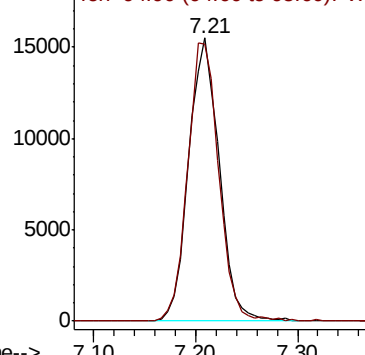
#44
 Trichloroethene
 Concen: 16.014 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013118.D
 Acq: 17 Oct 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW0301C

Tot Ion:130 Resp: 32089
 Ion Ratio Lower Upper
 130 100
 95 98.0 0.0 189.2

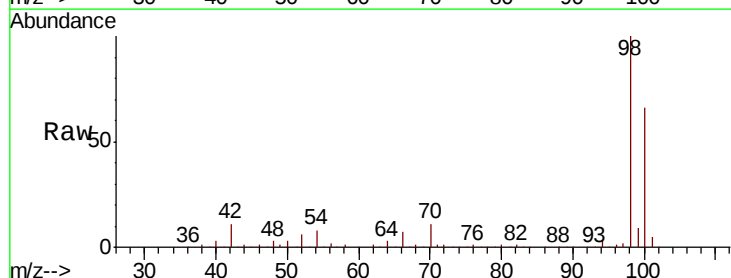


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

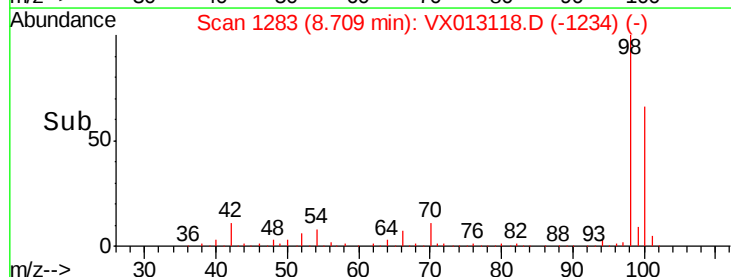
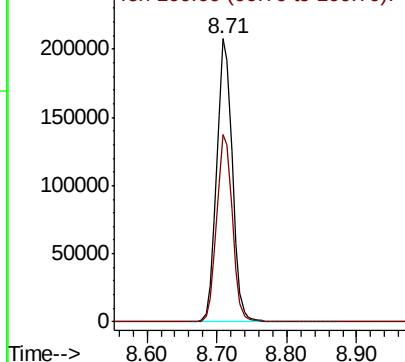


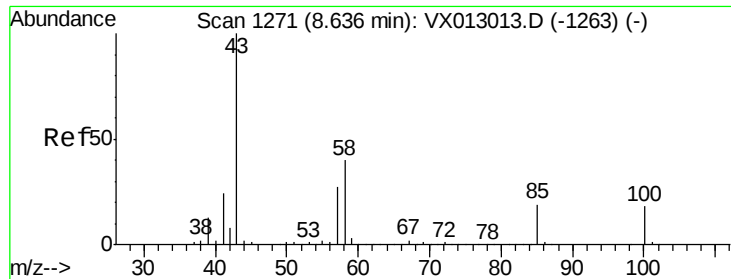
#50
 Toluene-d8
 Concen: 51.874 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013118.D
 Acq: 17 Oct 2019 19:28

Tgt Ion: 98 Resp: 323148
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.494 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

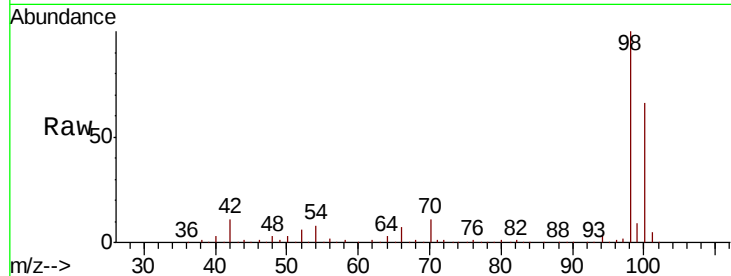
FA19-JMW0301C

Tot Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

58 197.5 32.4 48.6#

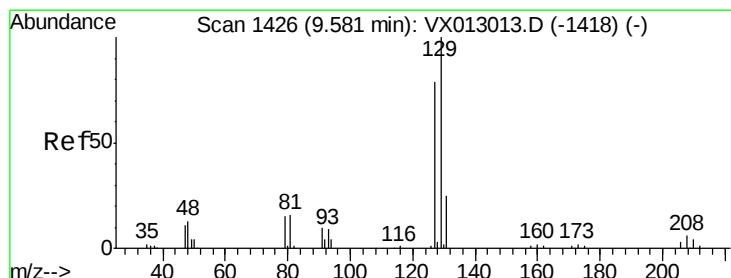
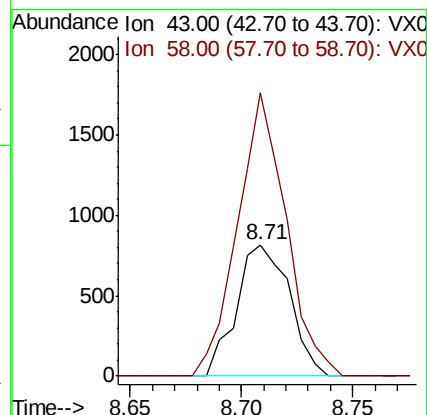
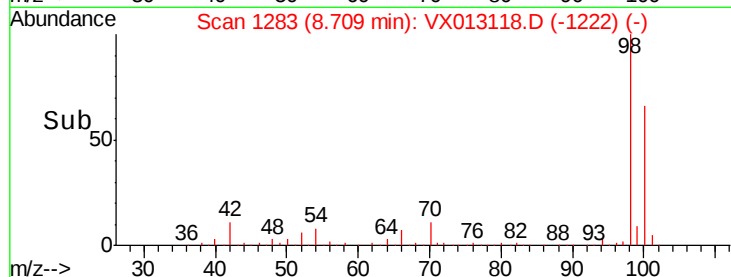


Abundance Ion 43.00 (42.70 to 43.70): VX013013.D (-1263) (-)

Ion 58.00 (57.70 to 58.70): VX013013.D (-1263) (-)

8.71

8.65 8.70 8.75



#60

Dibromochloromethane

Concen: 1.881 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013118.D

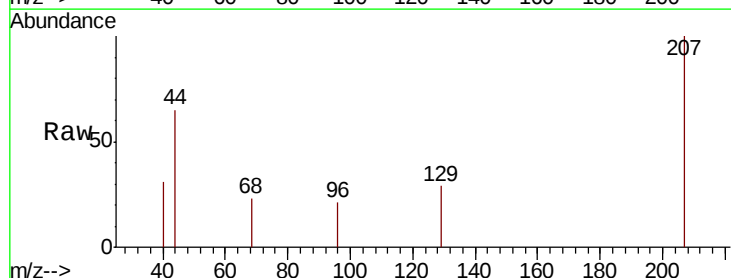
Acq: 17 Oct 2019 19:28

Tgt Ion: 129 Resp: 51

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#

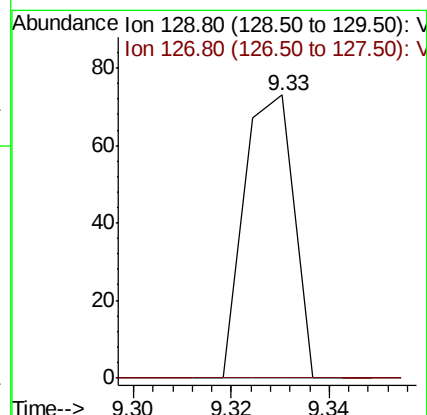
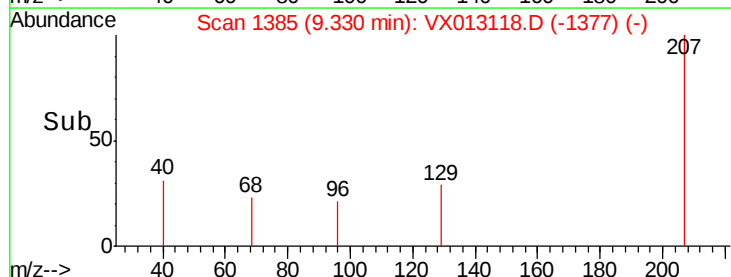


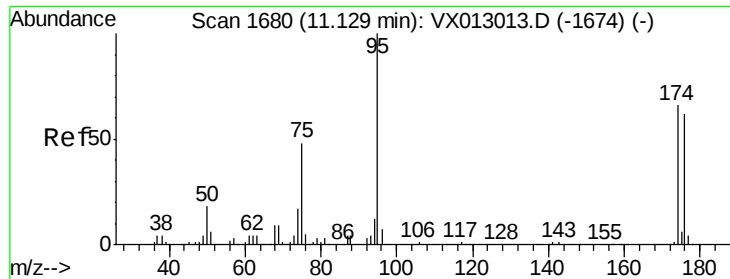
Abundance Ion 128.80 (128.50 to 129.50): VX013013.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX013013.D (-1418) (-)

9.33

9.30 9.32 9.34





#62

4-Bromofluorobenzene

Concen: 45.641 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW0301C

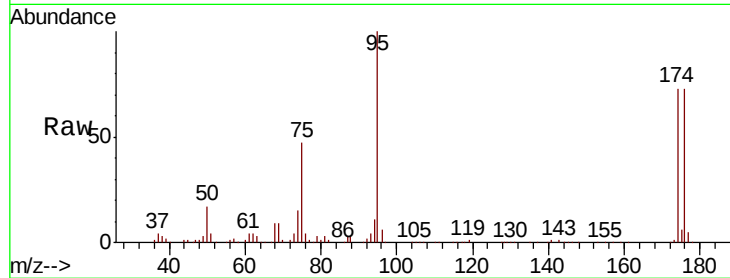
Tot Ion: 95 Resp: 110473

Ion Ratio Lower Upper

95 100

174 74.9 0.0 143.4

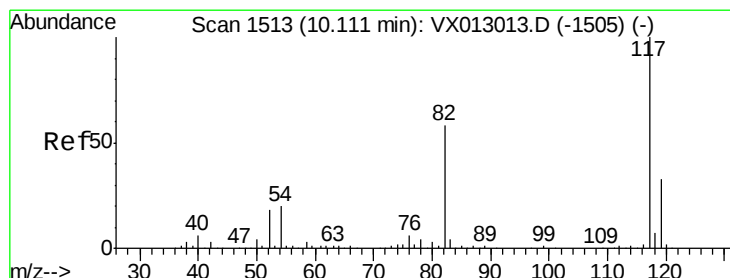
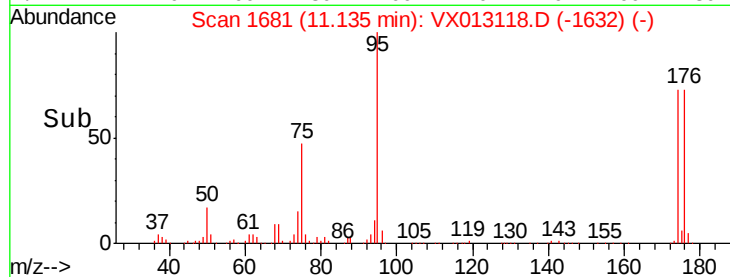
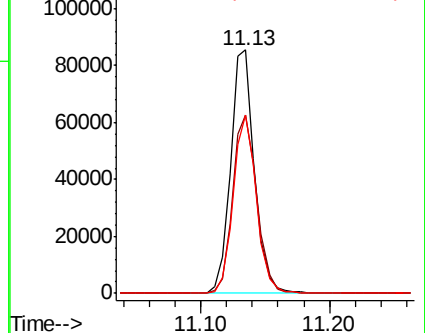
176 71.8 0.0 136.0



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: VX013118.D

Acq: 17 Oct 2019 19:28

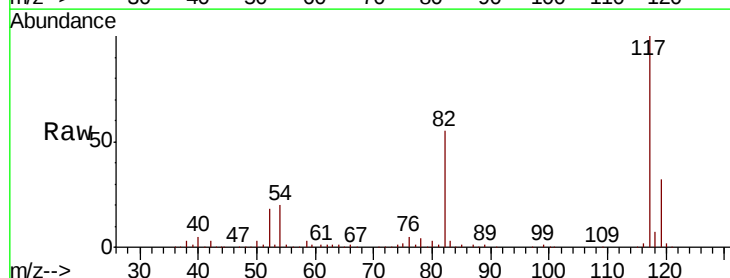
Tgt Ion: 117 Resp: 241206

Ion Ratio Lower Upper

117 100

82 54.9 44.1 66.1

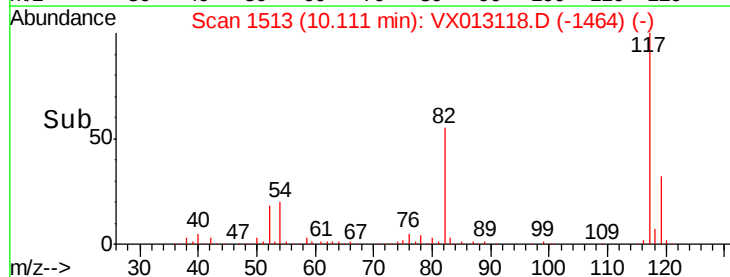
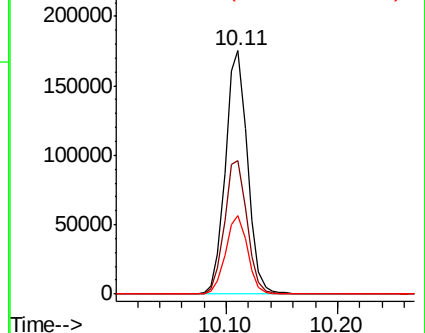
119 32.3 25.8 38.8

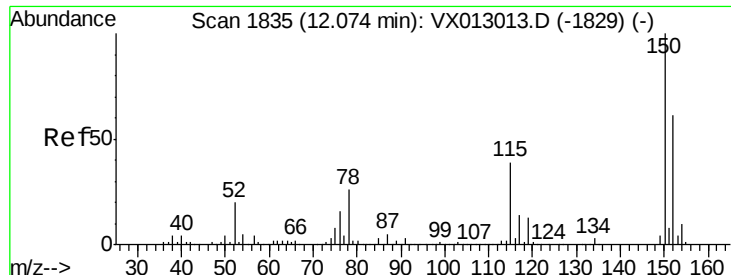


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW0301C

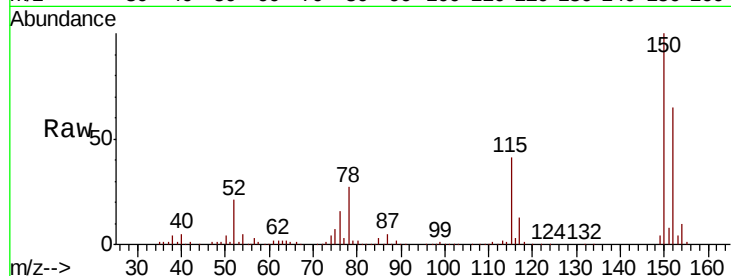
Tot Ion:152 Resp: 99453

Ion Ratio Lower Upper

152 100

115 61.9 44.5 133.5

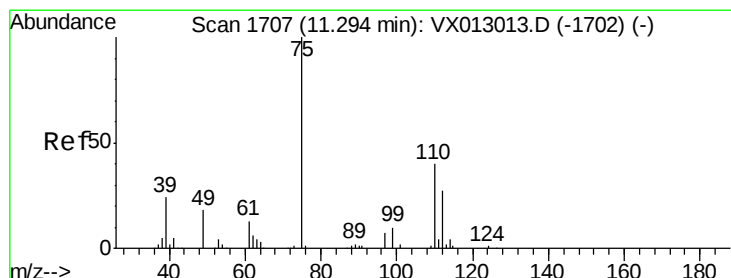
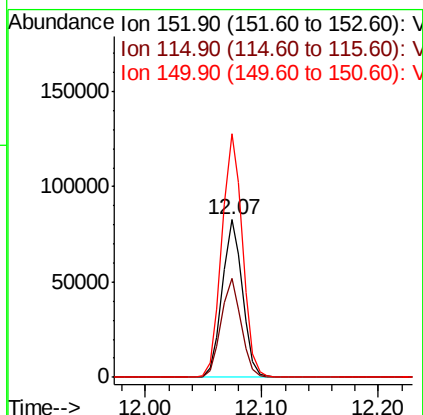
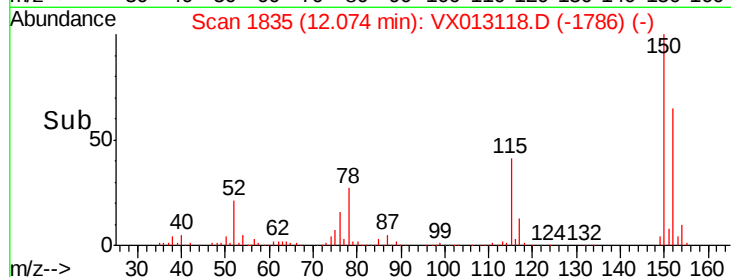
150 157.4 0.0 353.4



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: 24.596 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013118.D

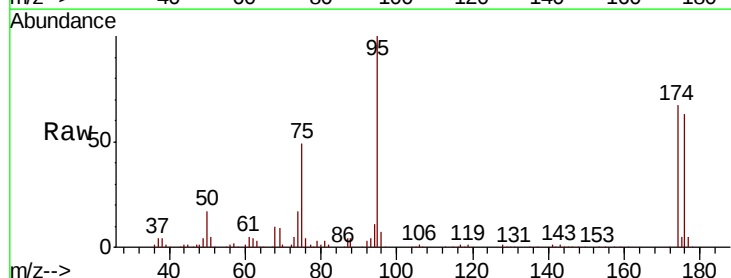
Acq: 17 Oct 2019 19:28

Tgt Ion: 75 Resp: 54256

Ion Ratio Lower Upper

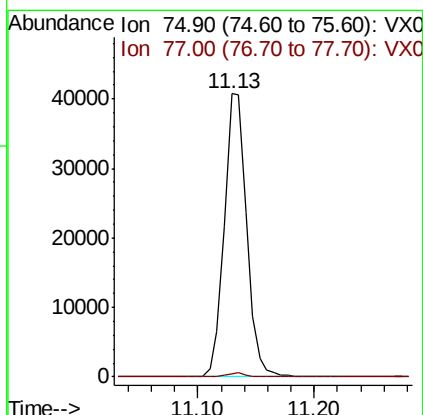
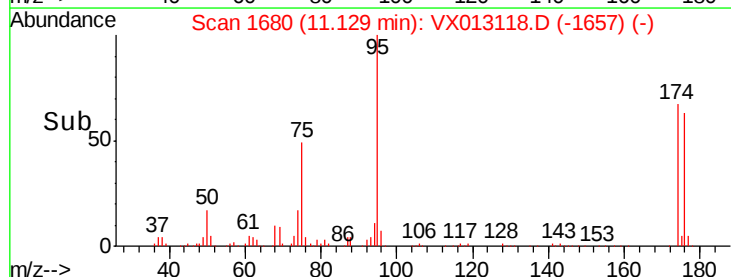
75 100

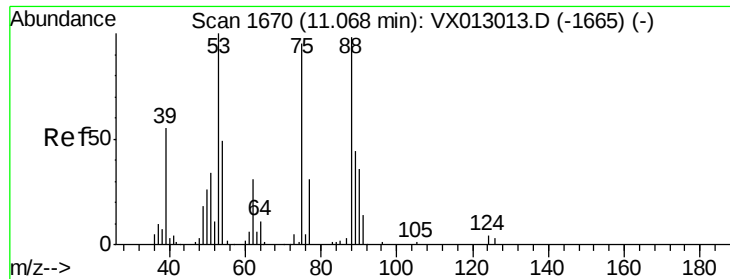
77 1.4 22.9 68.8#



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: 62.167 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW0301C

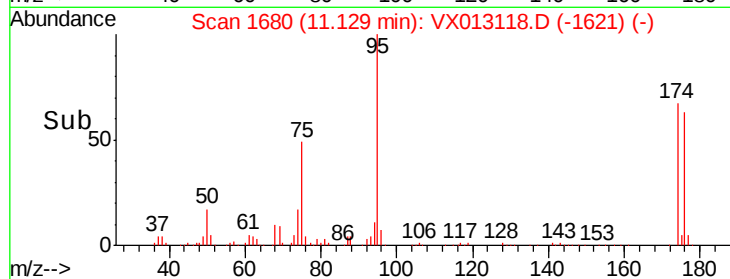
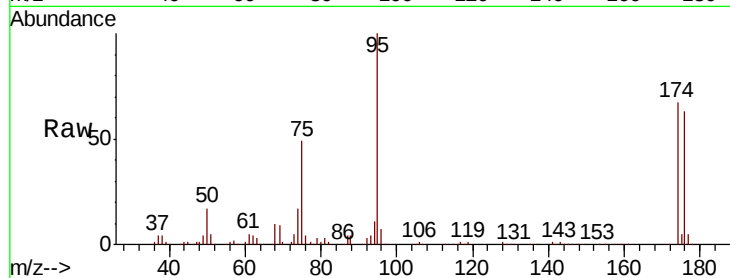
Tot Ion: 75 Resp: 54256

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#



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

