

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013106.D
 Acq On : 17 Oct 2019 14:48
 Operator : JC/SP
 Sample : K5396-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7345A

Quant Time: Oct 18 08:03:06 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	173276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	102870	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	5.49	113	81079	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	8.71	98	315569	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.14	95	103105	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	

Target Compounds

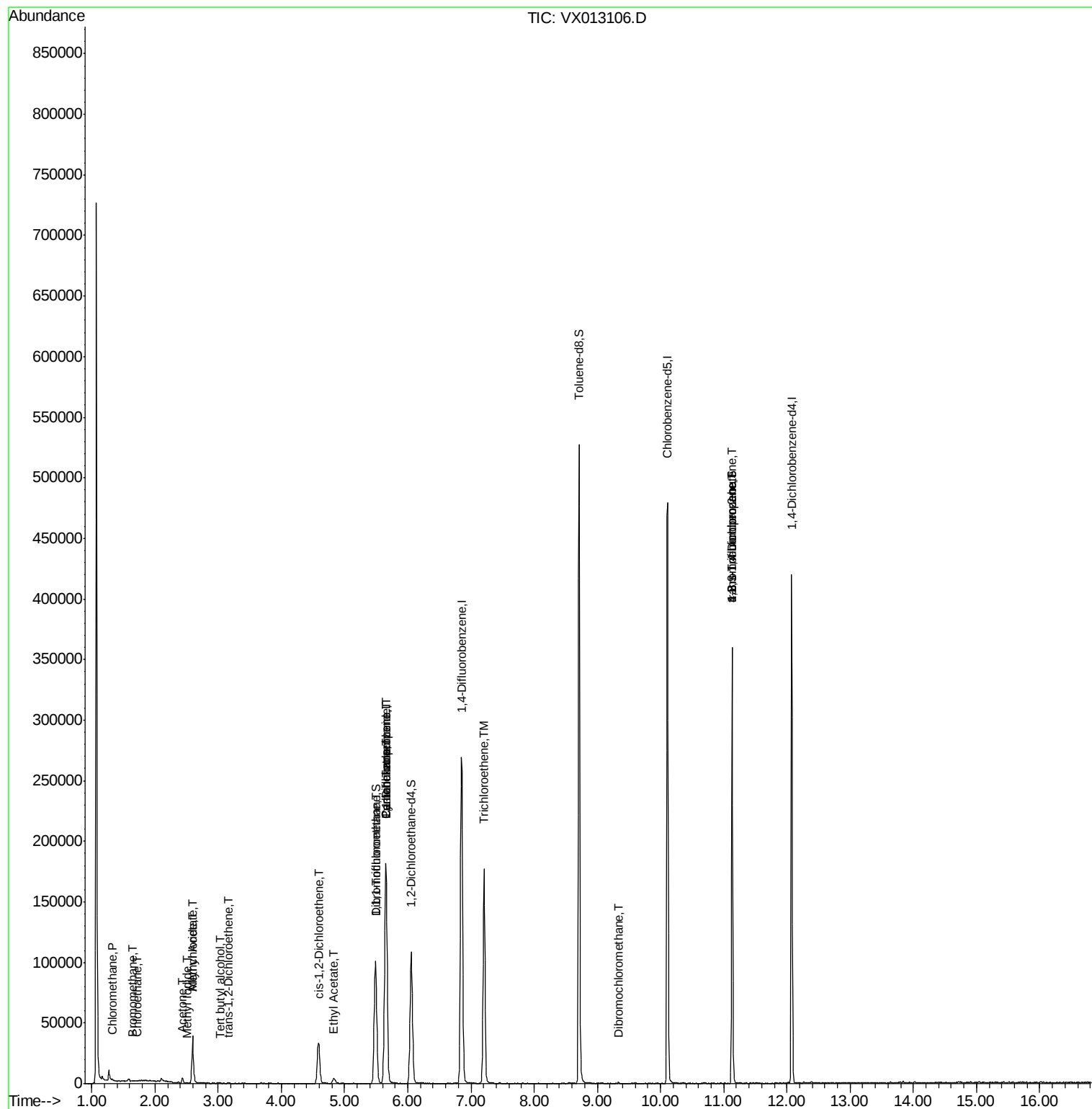
						Qvalue
3) Chloromethane	1.32	50	529	0.275	ug/l	90
5) Bromomethane	1.65	94	315	0.382	ug/l	97
6) Chloroethane	1.72	64	292	0.607	ug/l	98
10) Methyl Iodide	2.51	142	360	5.246	ug/l #	73
11) Tert butyl alcohol	3.03	59	498	0.867	ug/l #	72
14) Allyl chloride	2.60	41	4122	1.322	ug/l #	63
16) Acetone	2.44	43	4728	4.142	ug/l #	79
18) Methyl Acetate	2.59	43	10616	3.923	ug/l #	51
21) trans-1,2-Dichloroethene	3.16	96	413	0.220	ug/l #	47
27) cis-1,2-Dichloroethene	4.59	96	22228	10.275	ug/l	89
31) Cyclohexane	5.65	56	3553	1.130	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	7732	2.646	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13037	5.359	ug/l #	46
37) Ethyl Acetate	4.83	43	7514	2.762	ug/l #	84
38) Carbon Tetrachloride	5.65	117	17905	7.561	ug/l #	16
44) Trichloroethene	7.21	130	70136	35.199	ug/l	95
60) Dibromochloromethane	9.33	129	126	1.917	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	50485	27.449	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	50485	68.904	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: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

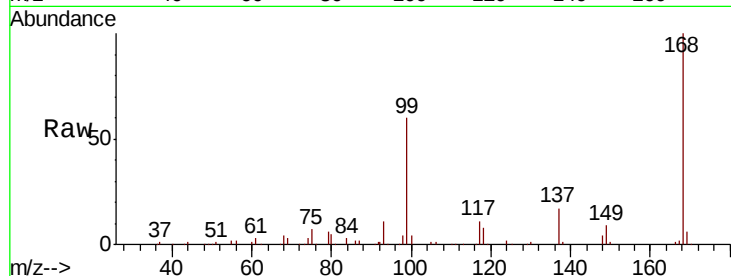
FA19-JBW7345A

Tot Ion:168 Resp: 173276

Ion Ratio Lower Upper

168 100

99 59.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

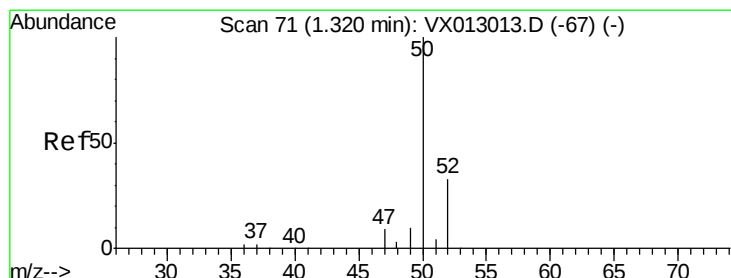
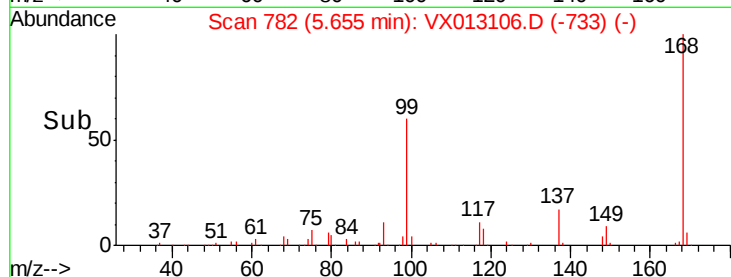
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.275 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013106.D

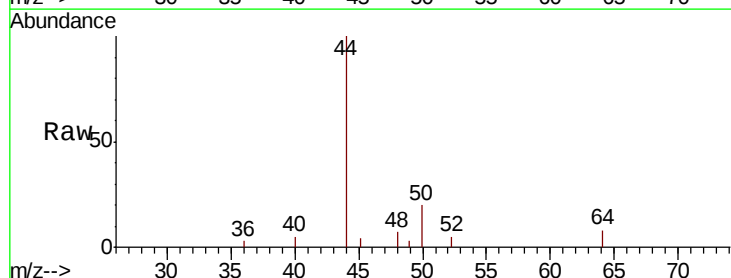
Acq: 17 Oct 2019 14:48

Tgt Ion: 50 Resp: 529

Ion Ratio Lower Upper

50 100

52 25.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

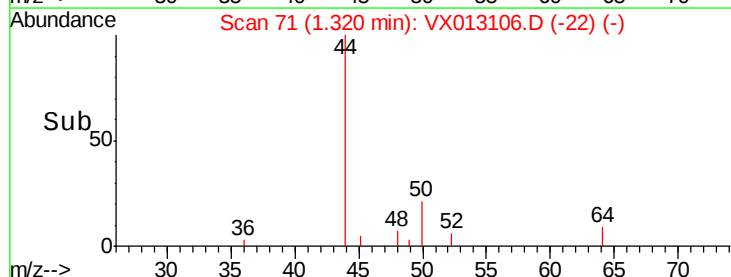
200

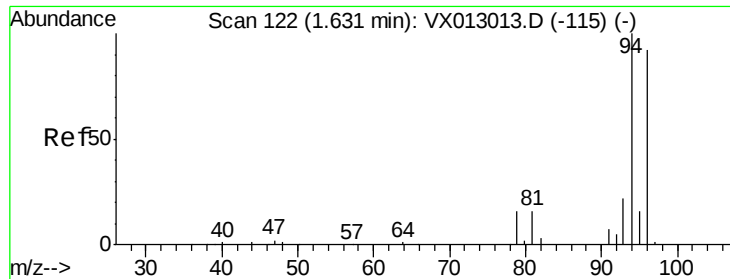
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.382 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

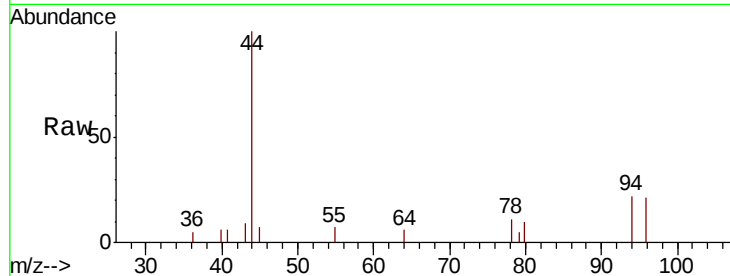
FA19-JBW7345A

Tot Ion: 94 Resp: 315

Ion Ratio Lower Upper

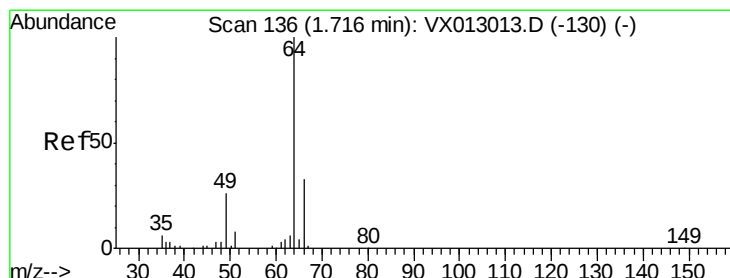
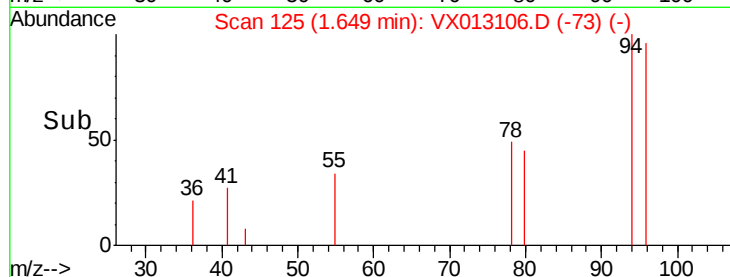
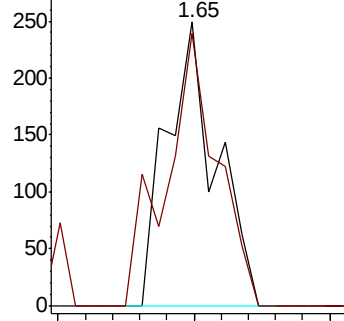
94 100

96 96.0 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: 0.607 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013106.D

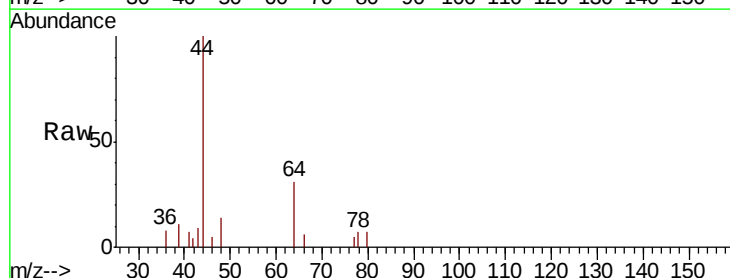
Acq: 17 Oct 2019 14:48

Tgt Ion: 64 Resp: 292

Ion Ratio Lower Upper

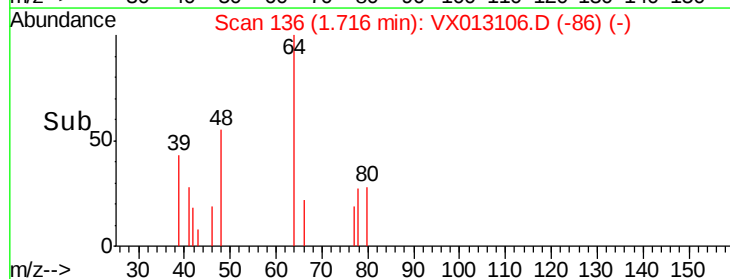
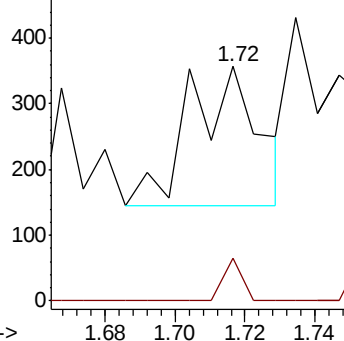
64 100

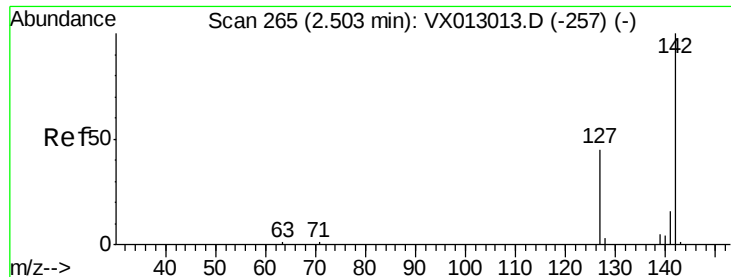
66 30.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

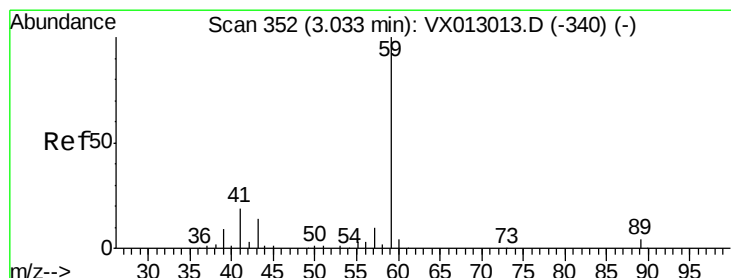
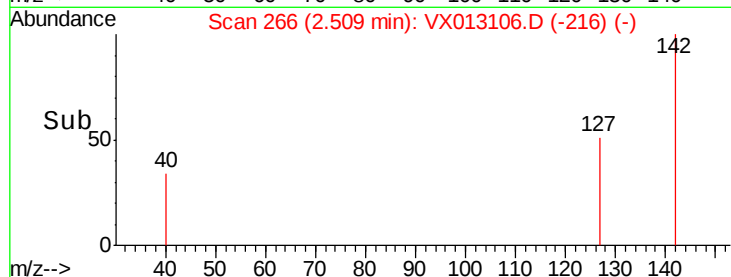
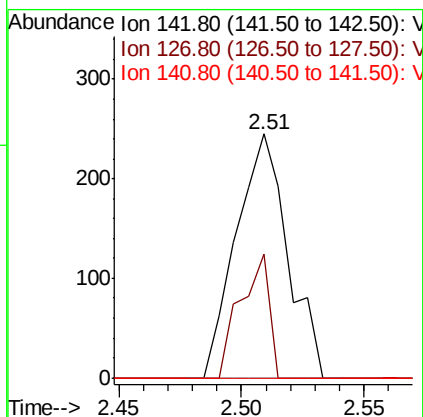
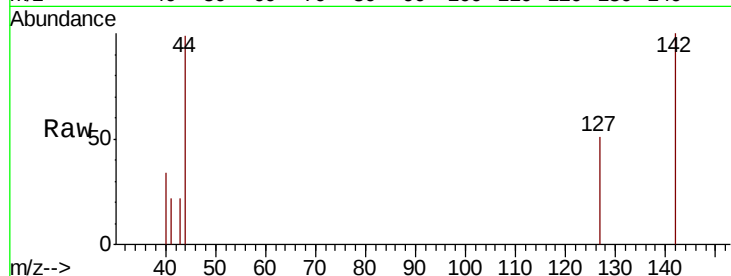




#10
Methyl Iodide
Concen: 5.246 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

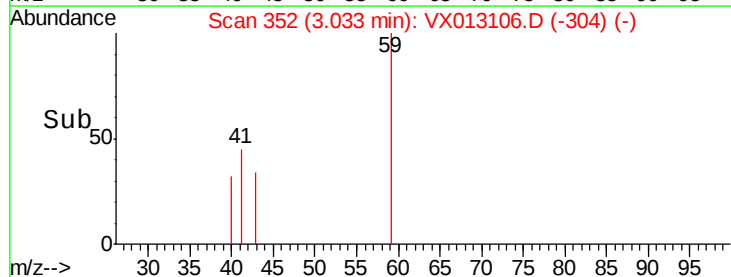
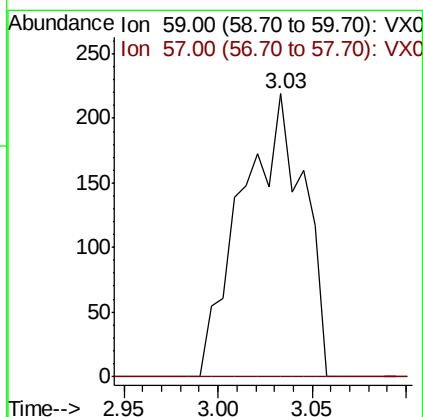
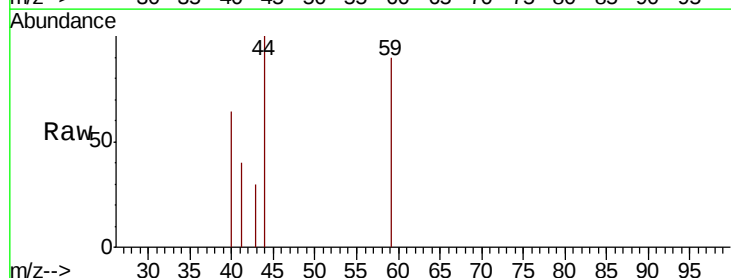
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

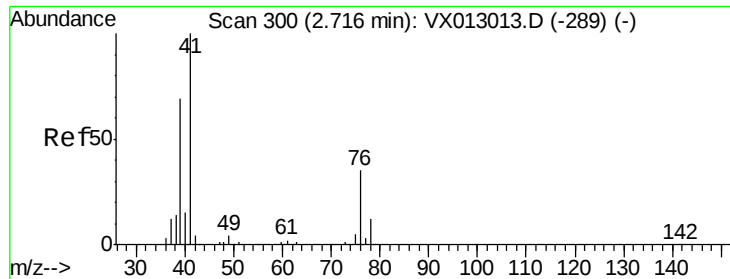
Tot Ion:142 Resp: 360
Ion Ratio Lower Upper
142 100
127 28.3 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.867 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion: 59 Resp: 498
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allvl chloride

Concen: 1.322 ug/l

RT: 2.60 min Scan# 281

Delta R.T. -0.12 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7345A

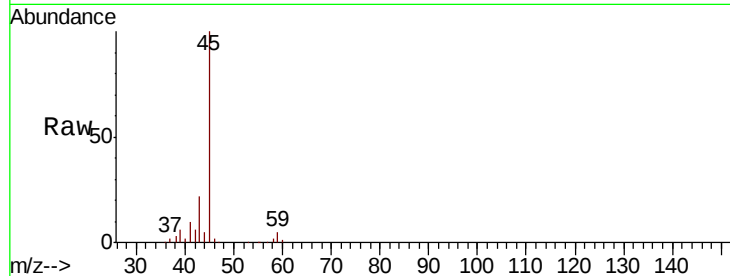
Tot Ion: 41 Resp: 4122

Ion Ratio Lower Upper

41 100

39 83.8 51.0 76.6#

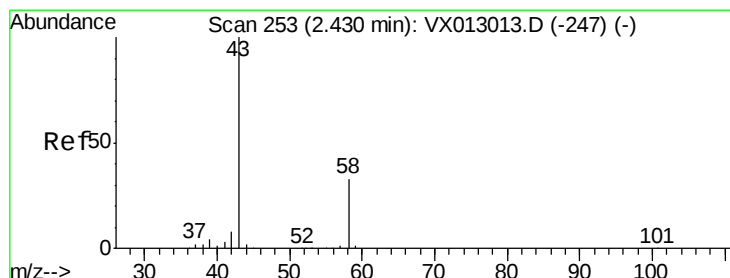
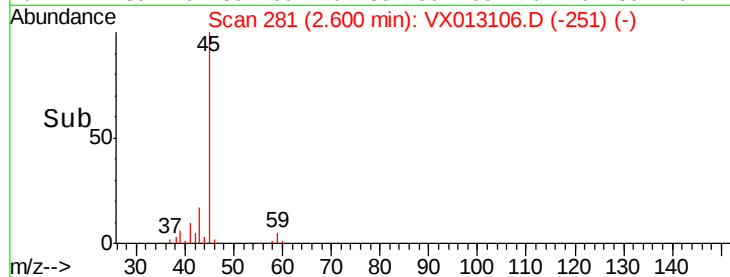
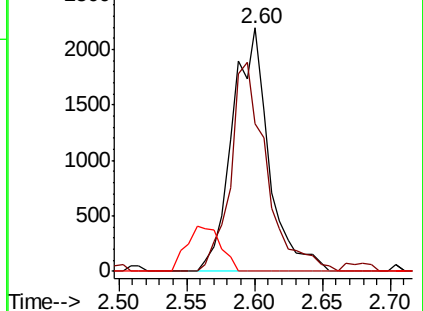
76 0.0 26.2 39.4#



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: 4.142 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX013106.D

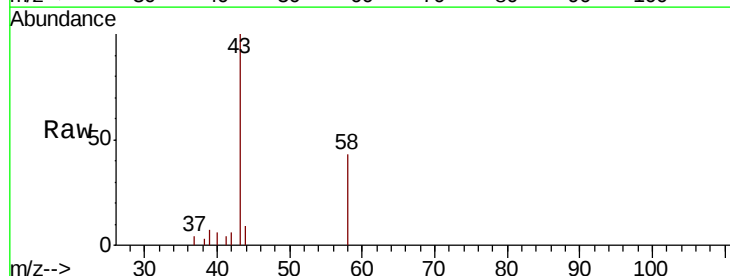
Acq: 17 Oct 2019 14:48

Tgt Ion: 43 Resp: 4728

Ion Ratio Lower Upper

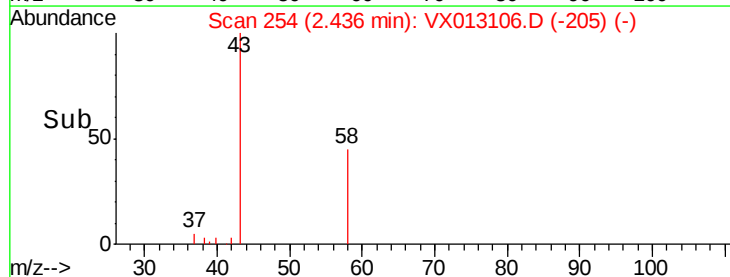
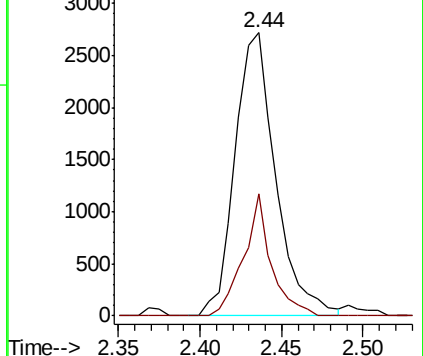
43 100

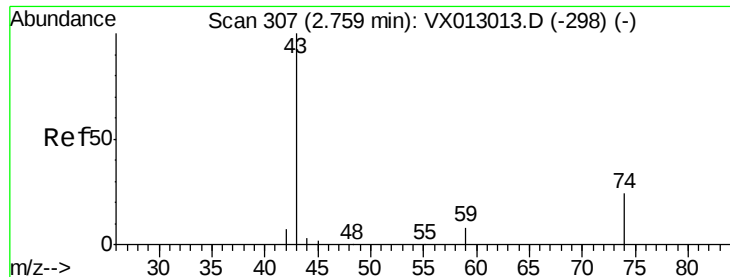
58 43.3 25.4 38.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

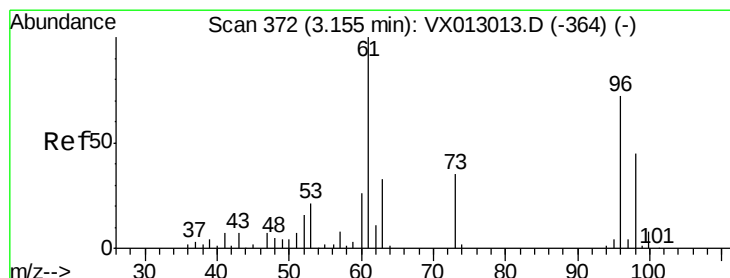
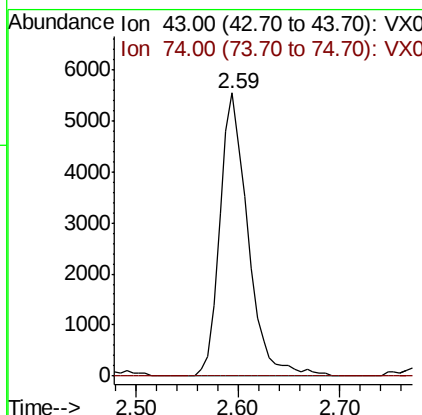
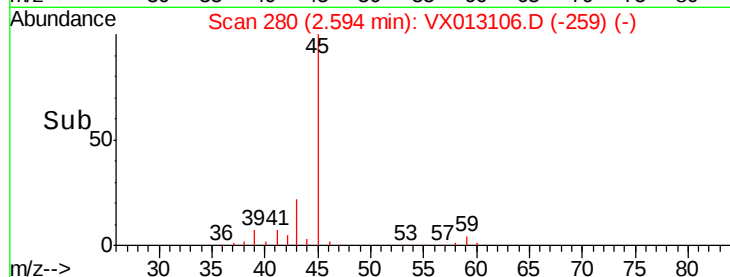
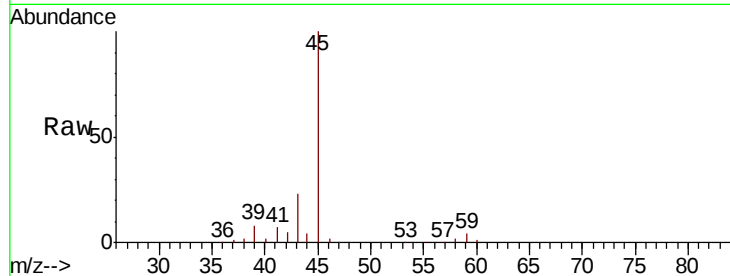




#18
Methvl Acetate
Concen: 3.923 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

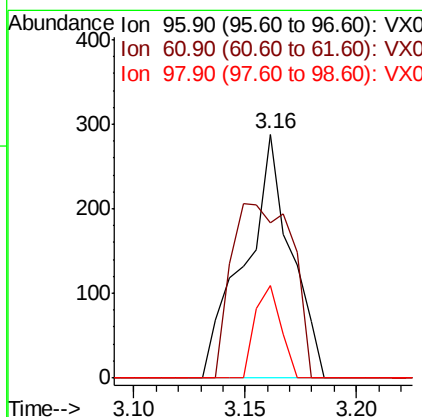
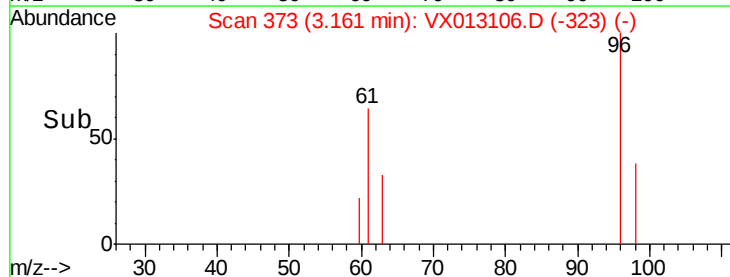
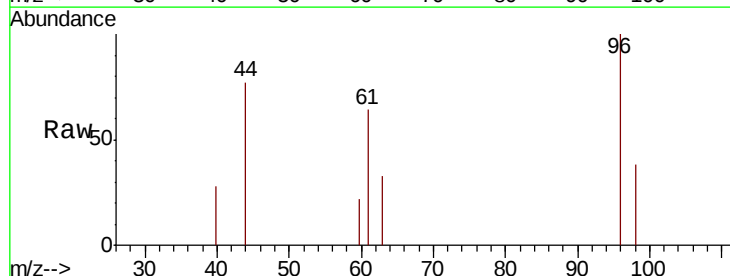
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

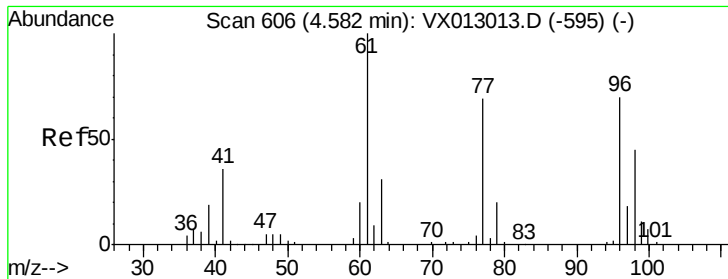
Tot Ion: 43 Resp: 10616
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#21
trans-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion: 96 Resp: 413
Ion Ratio Lower Upper
96 100
61 63.9 110.4 165.6#
98 37.8 51.5 77.3#



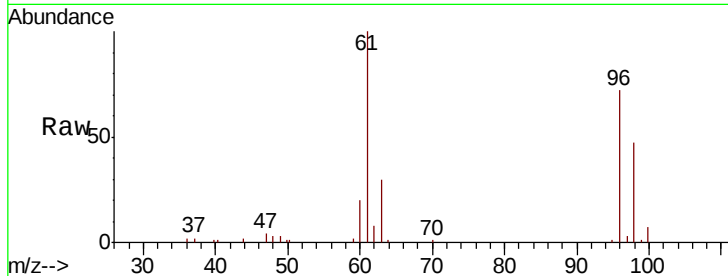


#27

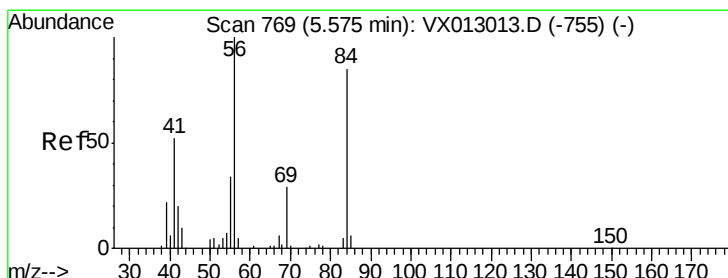
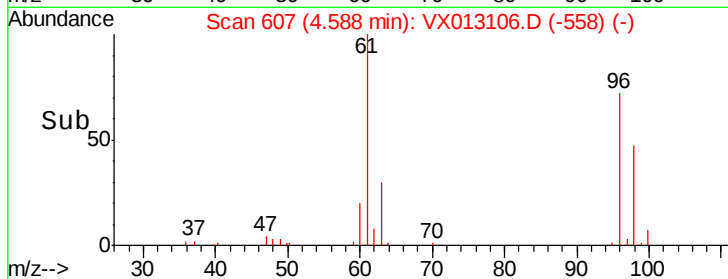
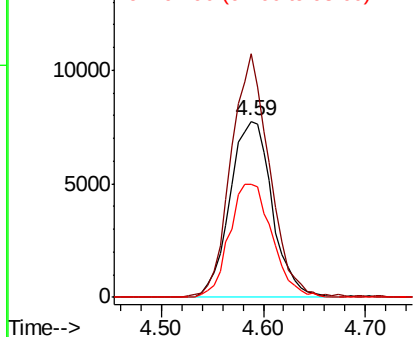
cis-1,2-Dichloroethene
 Concen: 10.275 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VX013106.D
 Acq: 17 Oct 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7345A

Tot Ion: 96 Resp: 22228
 Ion Ratio Lower Upper
 96 100
 61 125.9 0.0 290.6
 98 65.0 0.0 128.8



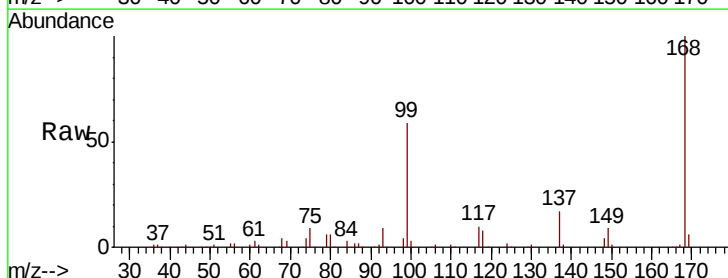
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



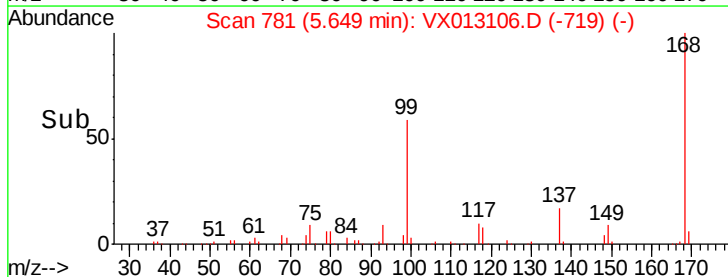
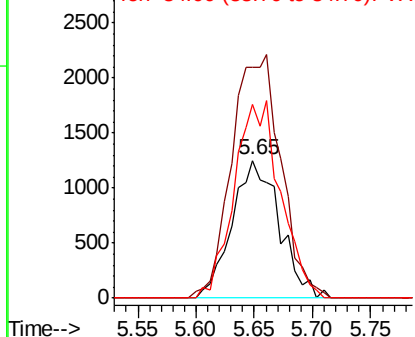
#31

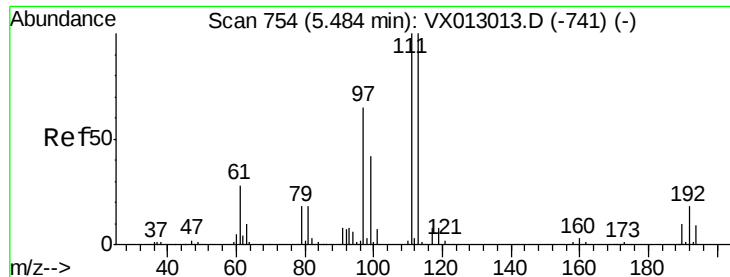
Cyclohexane
 Concen: 1.130 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.08 min
 Lab File: VX013106.D
 Acq: 17 Oct 2019 14:48

Tgt Ion: 56 Resp: 3553
 Ion Ratio Lower Upper
 56 100
 69 168.1 25.2 37.8#
 84 141.0 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: 2.646 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7345A

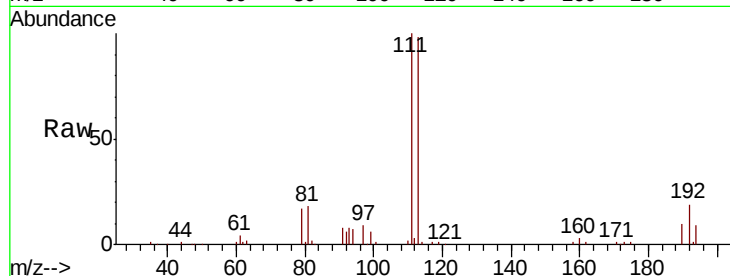
Tot Ion: 97 Resp: 7732

Ion Ratio Lower Upper

97 100

99 64.1 52.3 78.5

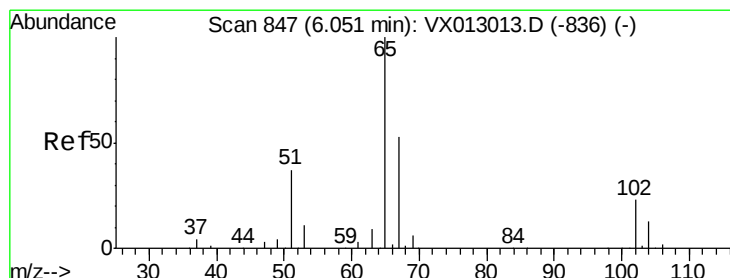
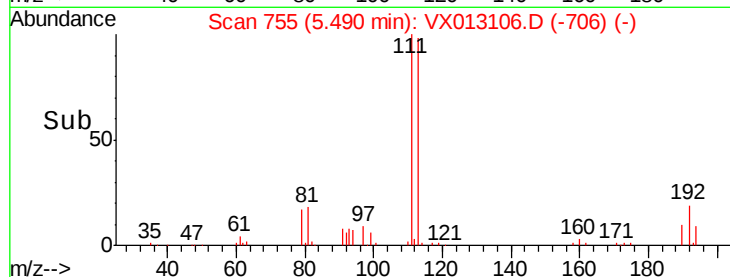
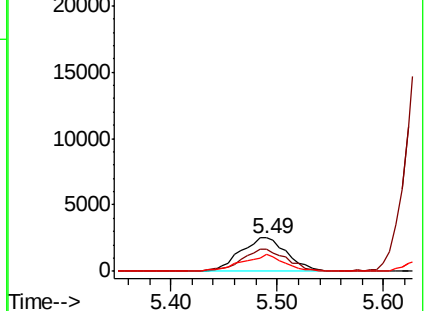
61 44.2 35.0 52.4



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: 47.499 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013106.D

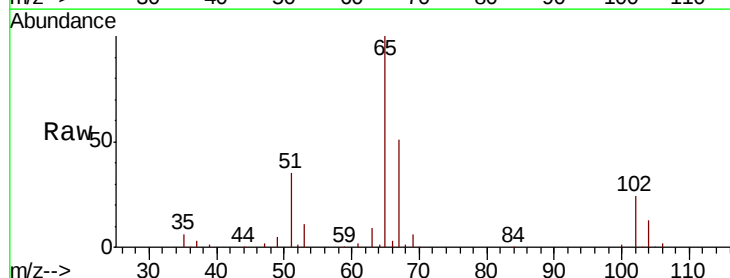
Acq: 17 Oct 2019 14:48

Tgt Ion: 65 Resp: 102870

Ion Ratio Lower Upper

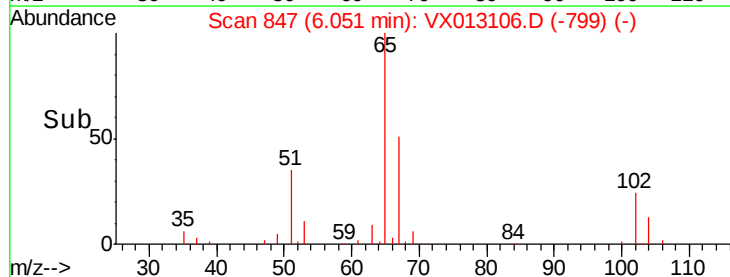
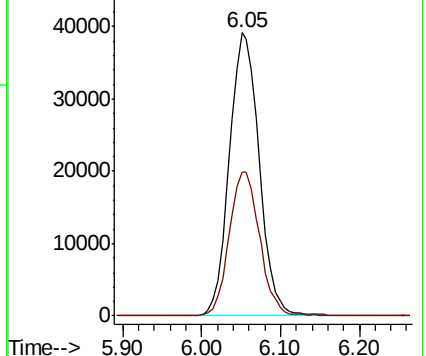
65 100

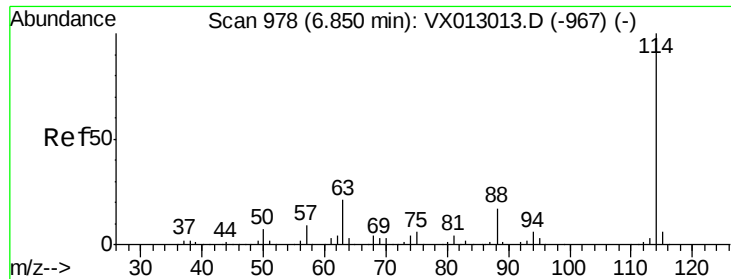
67 52.1 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

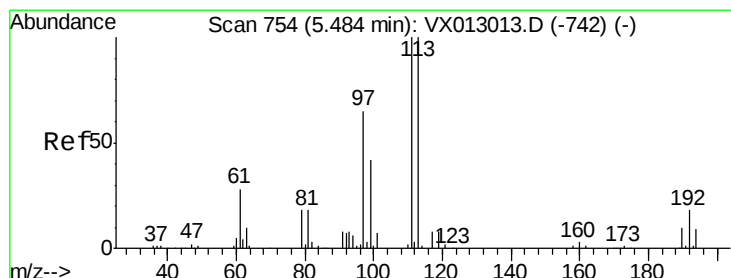
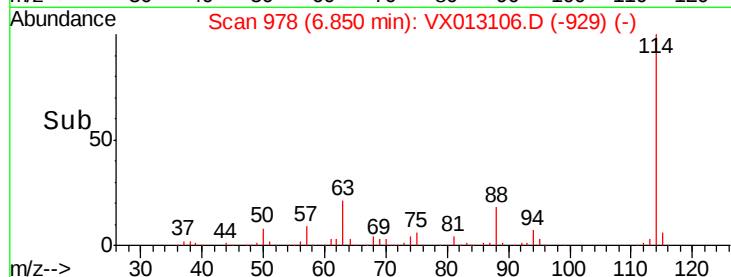
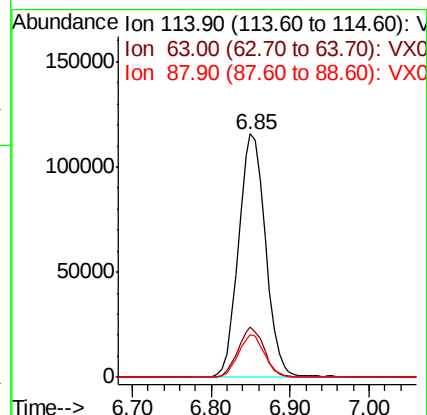
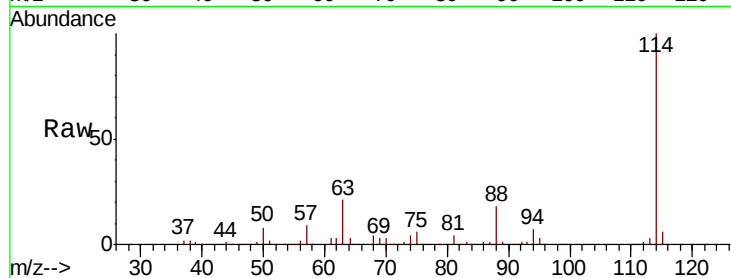




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

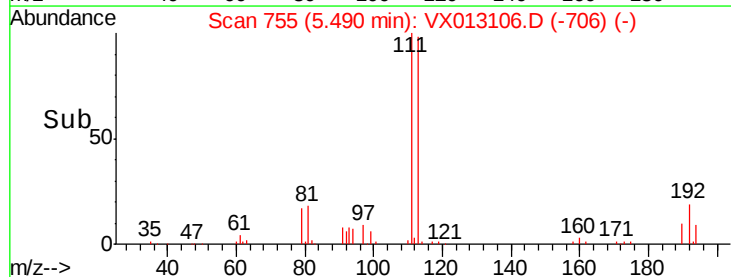
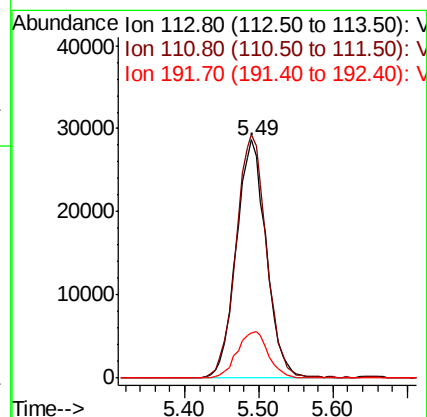
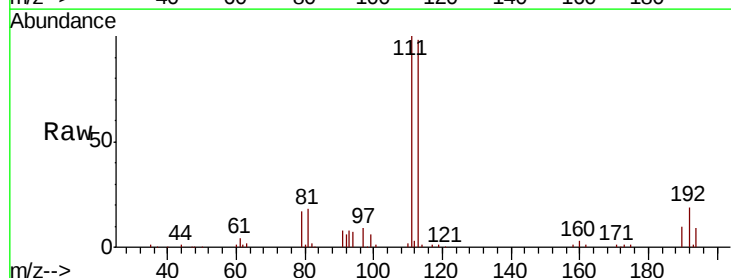
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

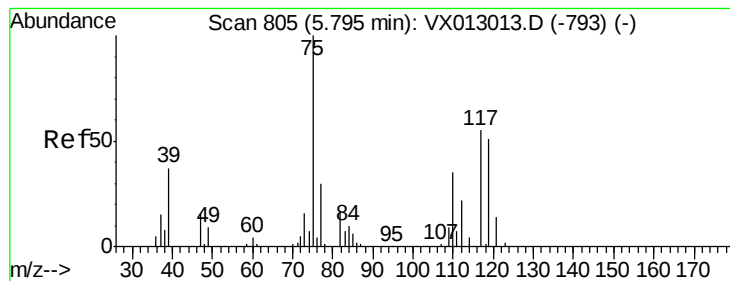
Tot Ion:114 Resp: 276715
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 17.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 51.051 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion:113 Resp: 81079
Ion Ratio Lower Upper
113 100
111 102.9 83.2 124.8
192 20.1 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.359 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7345A

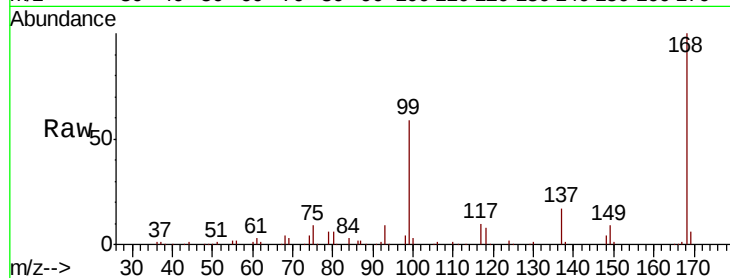
Tot Ion: 75 Resp: 13037

Ion Ratio Lower Upper

75 100

110 5.3 17.6 52.9#

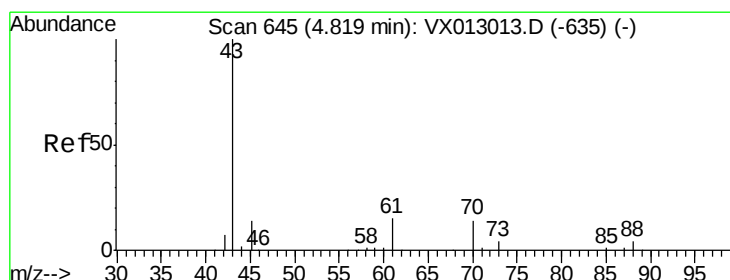
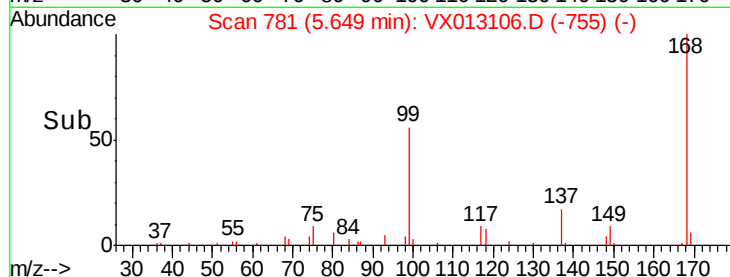
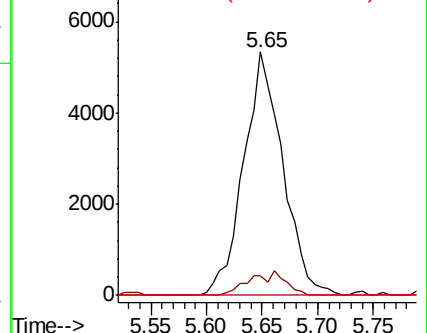
77 0.0 24.4 36.6#



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: 2.762 ug/l

RT: 4.83 min Scan# 647

Delta R.T. 0.01 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

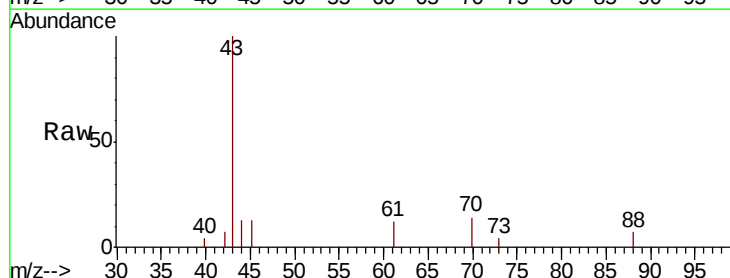
Tgt Ion: 43 Resp: 7514

Ion Ratio Lower Upper

43 100

61 13.2 11.4 17.0

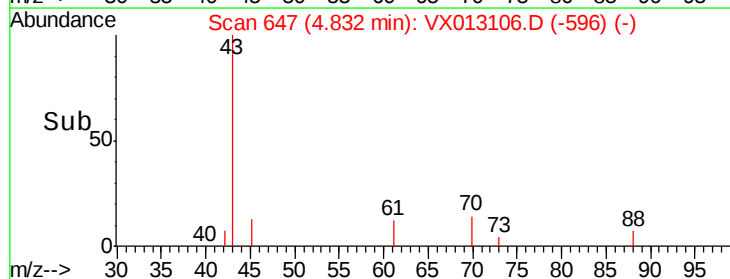
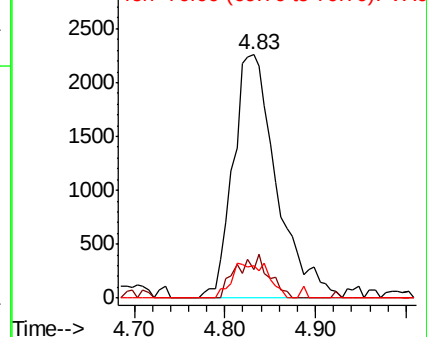
70 0.0 9.8 14.6#

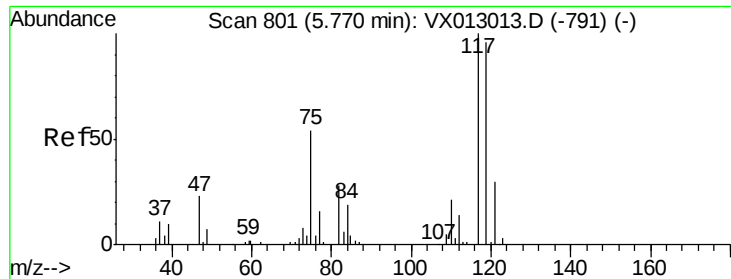


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

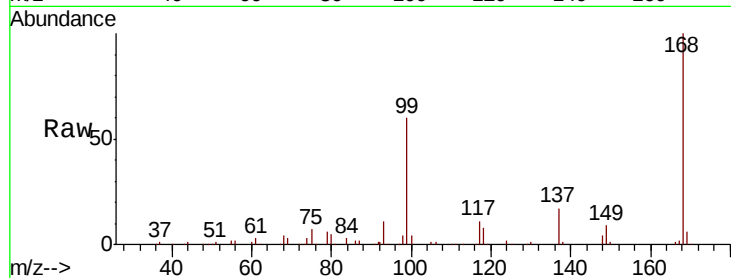




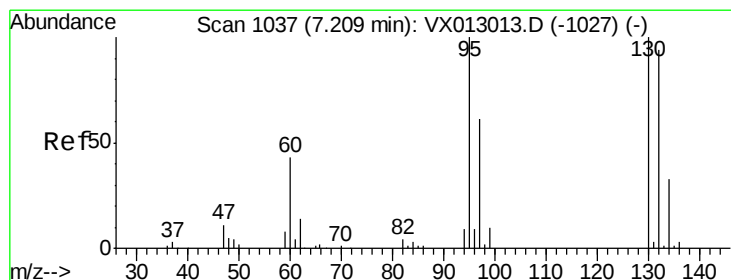
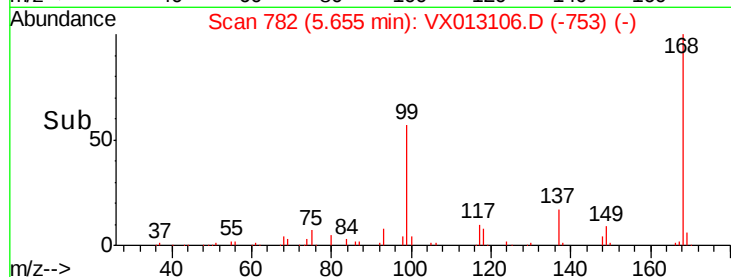
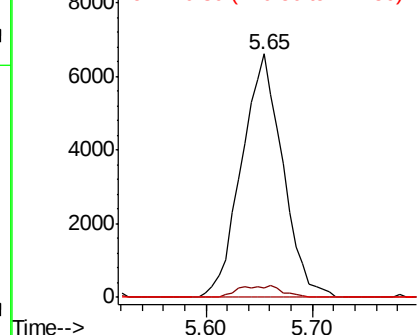
#38
Carbon Tetrachloride
Concen: 7.561 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

Tot Ion:117 Resp: 17905
Ion Ratio Lower Upper
117 100
119 3.7 74.5 111.7#
121 0.0 24.2 36.4#

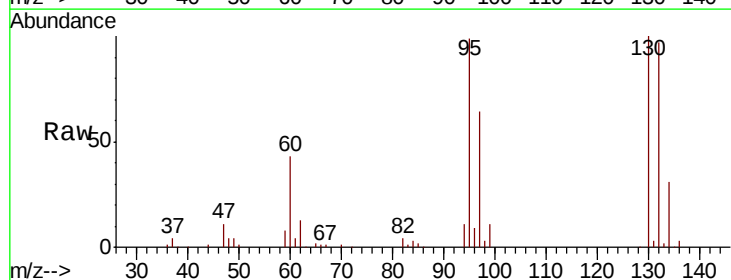


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

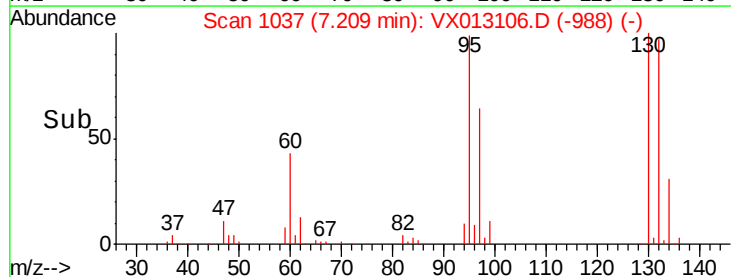
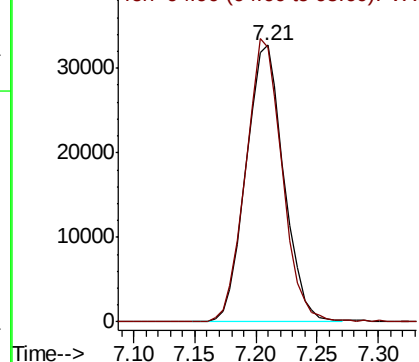


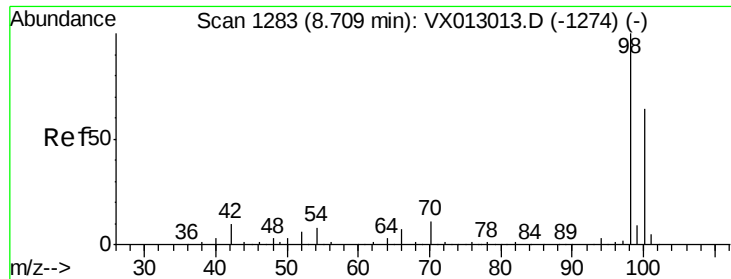
#44
Trichloroethene
Concen: 35.199 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion:130 Resp: 70136
Ion Ratio Lower Upper
130 100
95 99.1 0.0 189.2



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

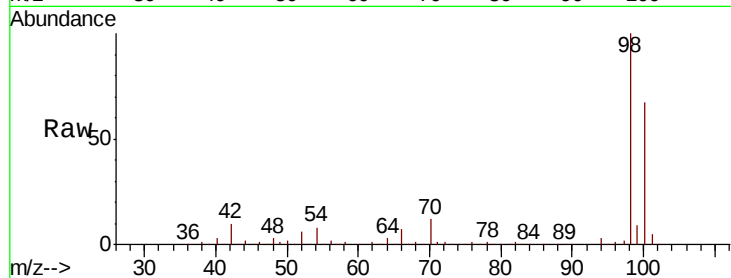




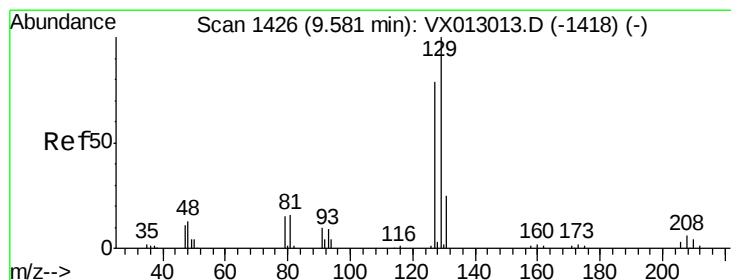
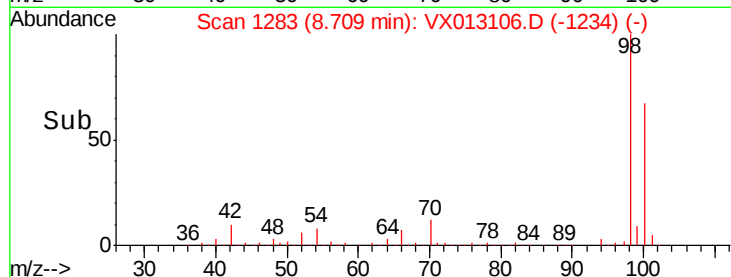
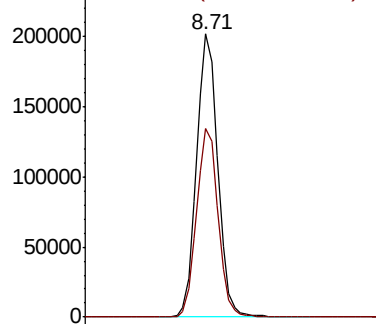
#50
Toluene-d8
Concen: 50.945 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

Tot Ion: 98 Resp: 315569
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2

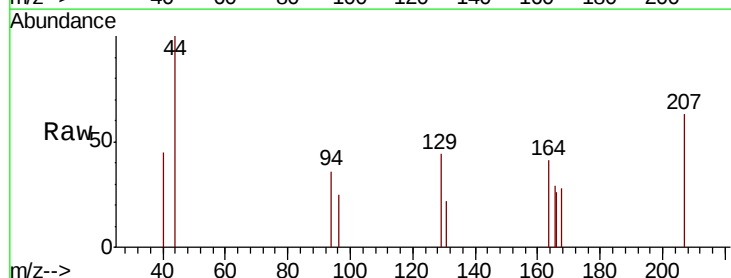


Abundance Ion 98.00 (97.70 to 98.70): VX013013.D (-1274) (-)
Ion 100.00 (99.70 to 100.70): VX013013.D (-1274) (-)

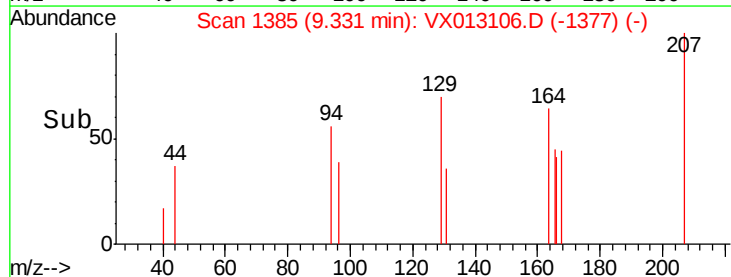
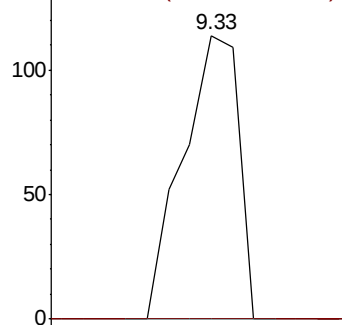


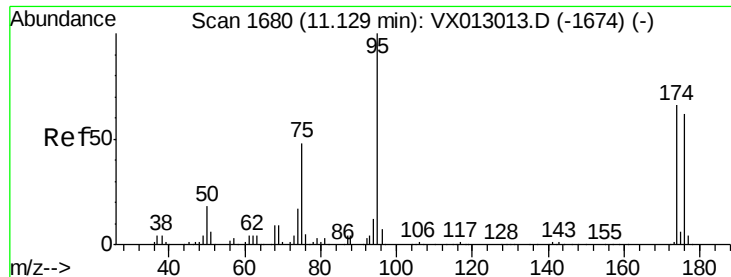
#60
Dibromochloromethane
Concen: 1.917 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion: 129 Resp: 126
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) (-)

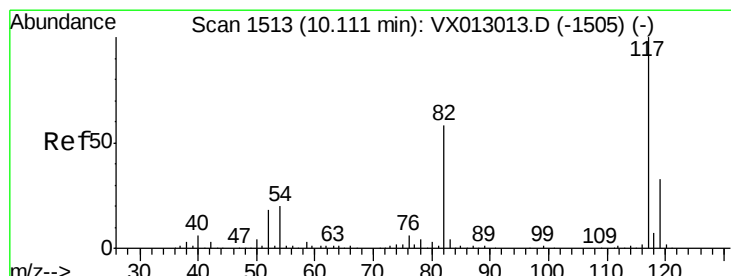
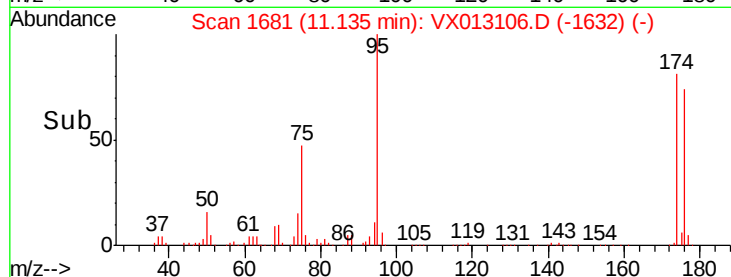
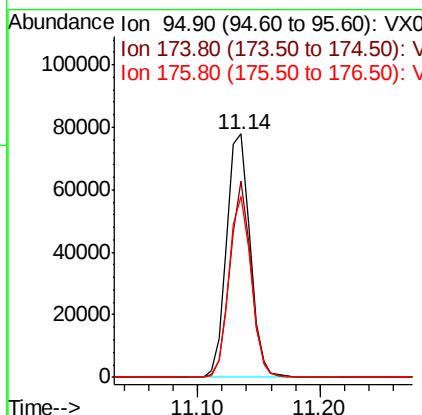
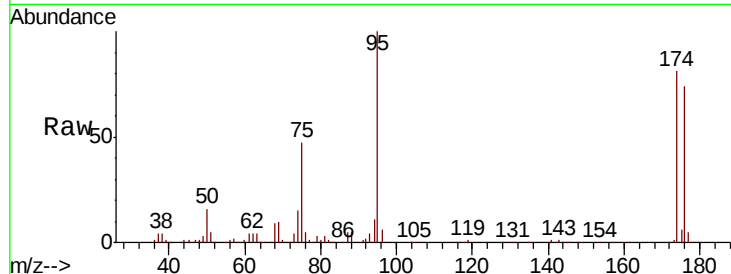




#62
4-Bromofluorobenzene
Concen: 42.838 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

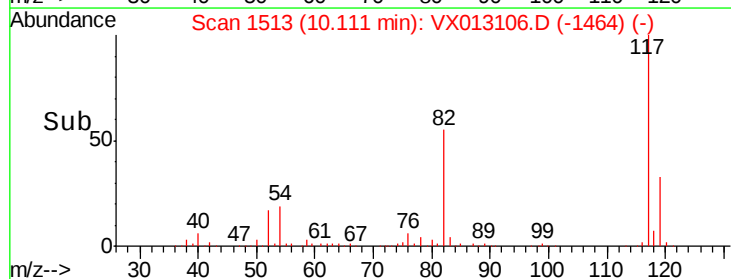
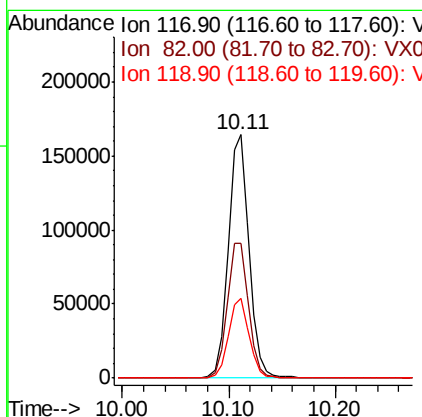
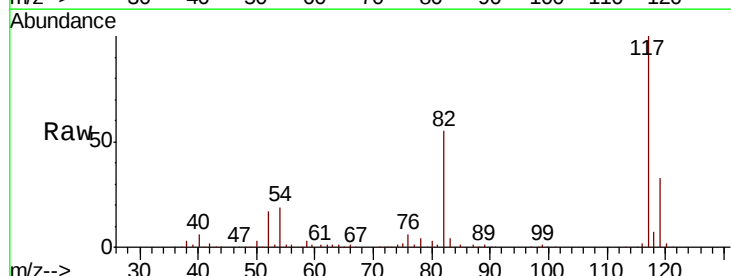
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7345A

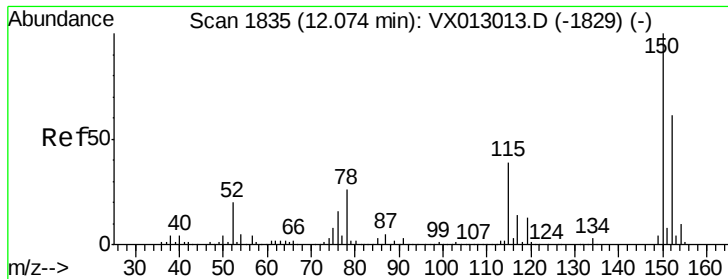
Tot Ion	95	Resp	103105
Ion Ratio	100		
Lower			
Upper			
174	72.8	0.0	143.4
176	70.5	0.0	136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013106.D
Acq: 17 Oct 2019 14:48

Tgt Ion	117	Resp	224163
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	55.3	44.1	66.1
119	32.5	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013106.D

Acq: 17 Oct 2019 14:48

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7345A

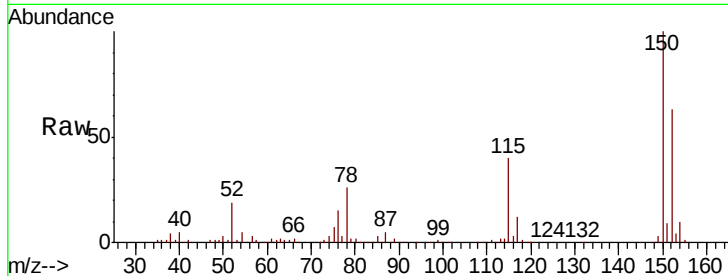
Tot Ion:152 Resp: 82922

Ion Ratio Lower Upper

152 100

115 62.3 44.5 133.5

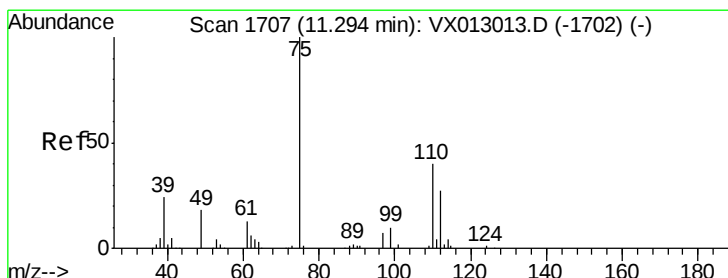
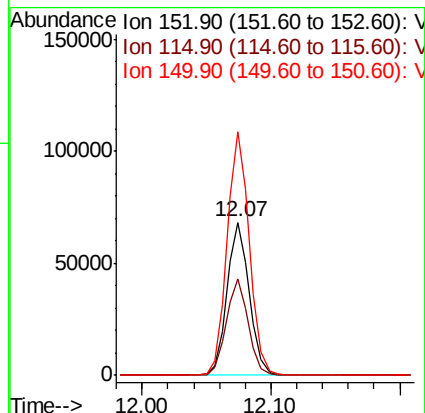
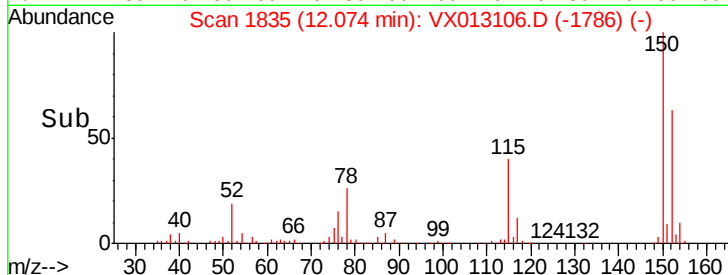
150 159.3 0.0 353.4



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: 27.449 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013106.D

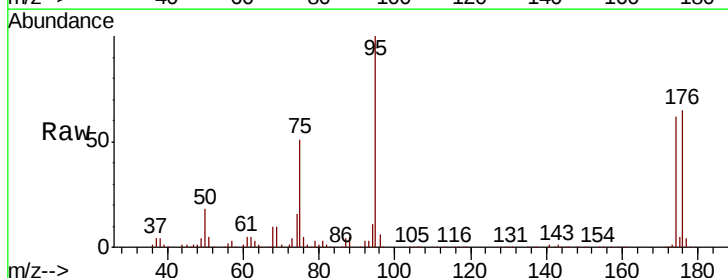
Acq: 17 Oct 2019 14:48

Tgt Ion: 75 Resp: 50485

Ion Ratio Lower Upper

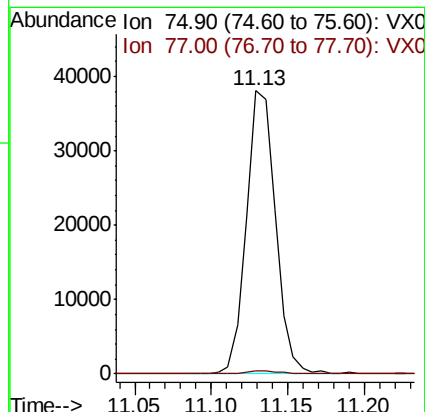
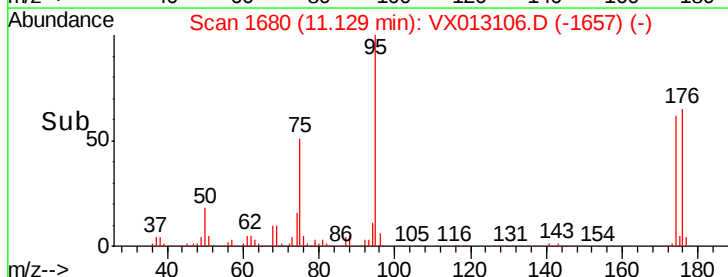
75 100

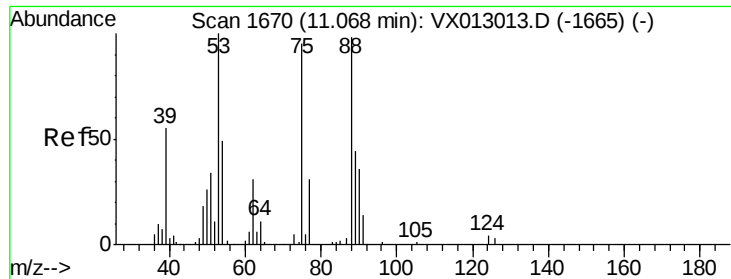
77 1.3 22.9 68.8#



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: 68.904 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013106.D
 Acq: 17 Oct 2019 14:48

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7345A

Tot Ion: 75 Resp: 50485
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.4 56.2#

