

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013609.D
 Acq On : 26 Nov 2019 19:20
 Operator : JC/SP
 Sample : K6002-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

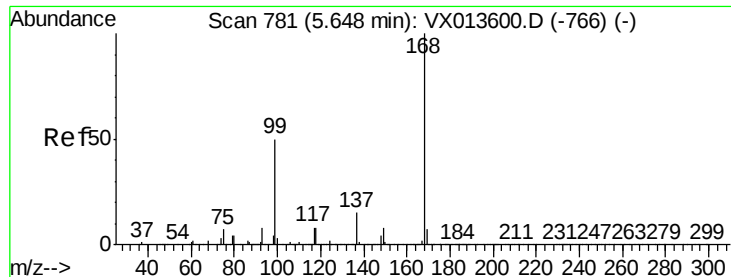
Quant Time: Nov 27 03:41:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	664619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1065207	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	938876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	414956	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	383386	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.49	113	317546	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1258519	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	11.14	95	417362	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2312	0.368	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1991	0.314	ug/l #	49
10) Methyl Iodide	2.51	142	2232	0.291	ug/l #	66
11) Tert butyl alcohol	3.01	59	1827	0.959	ug/l	95
13) Acrolein	2.29	56	732	6.565	ug/l #	66
16) Acetone	2.43	43	6170	1.620	ug/l #	76
17) Carbon Disulfide	2.57	76	4585	0.254	ug/l	96
30) Chloroform	5.20	83	8915	0.728	ug/l	90
36) 1,1-Dichloropropene	5.65	75	44975	4.651	ug/l #	52
38) Carbon Tetrachloride	5.65	117	58550	6.567	ug/l #	14
44) Trichloroethene	7.22	130	4082	0.505	ug/l	95
49) 1,4-Dioxane	7.75	88	258	1.328	ug/l #	1
60) Dibromochloromethane	9.33	129	23213	3.034	ug/l #	13
64) Tetrachloroethene	9.33	164	28657	4.093	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	204511	21.912	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	204511	59.949	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

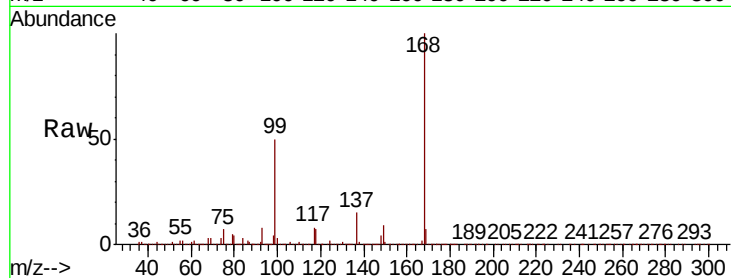
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 664619

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

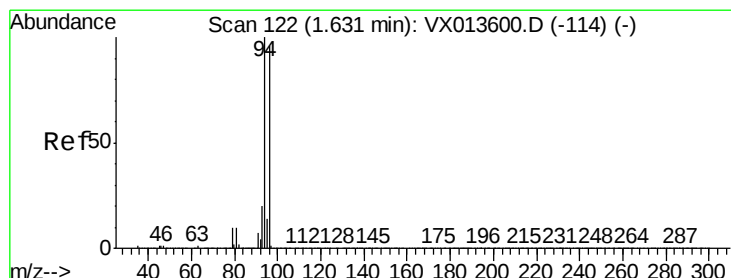
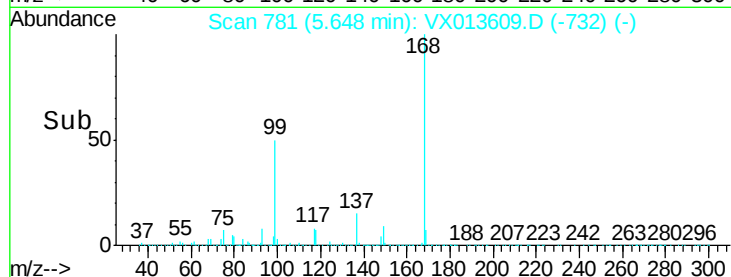
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.368 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013609.D

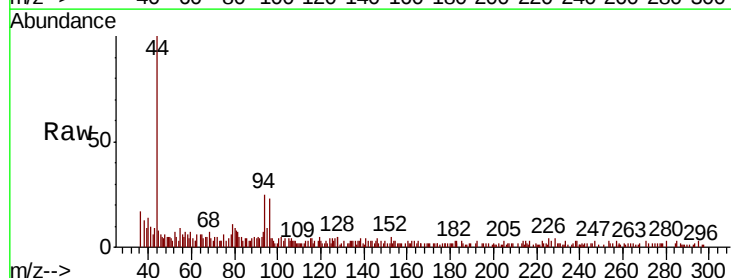
Acq: 26 Nov 2019 19:20

Tgt Ion: 94 Resp: 2312

Ion Ratio Lower Upper

94 100

96 87.9 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1500

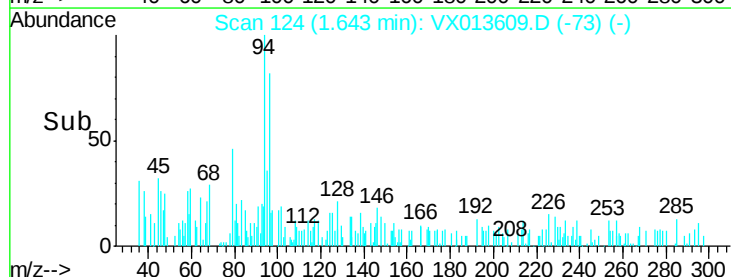
1000

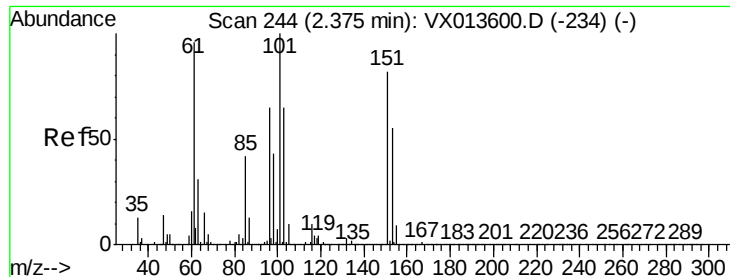
500

0

Time-->

1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.314 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :

MSVOA_X

ClientSampled :

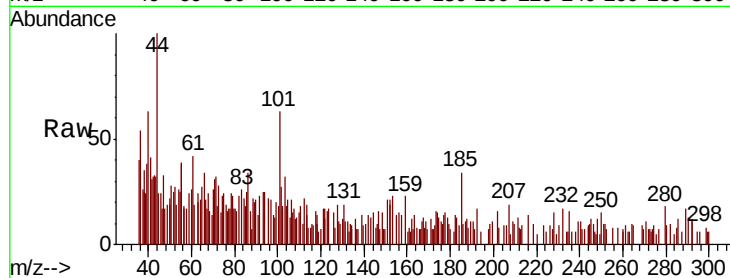
Tot Ion:101 Resp: 1991

Ion Ratio Lower Upper

101 100

85 33.6 33.9 50.9#

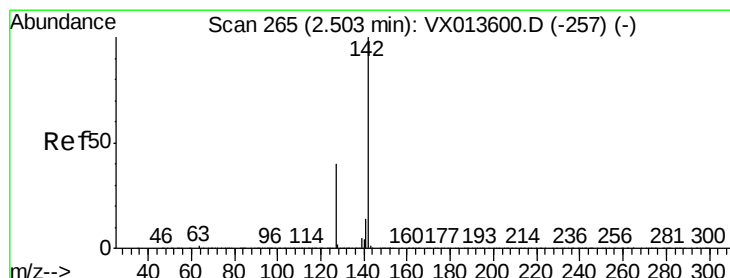
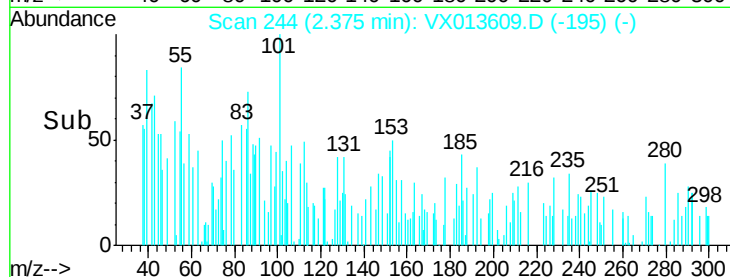
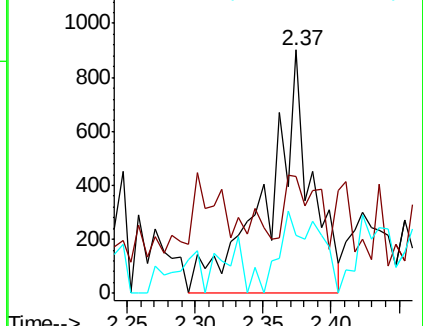
151 17.8 64.2 96.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.291 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

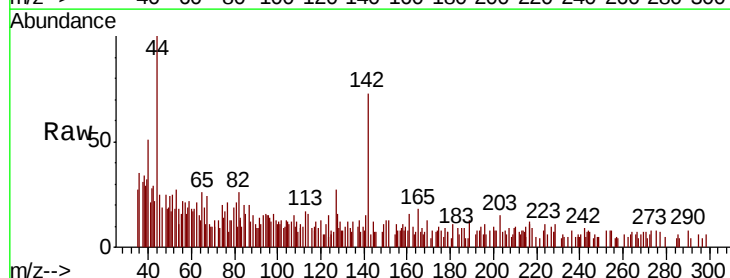
Tgt Ion:142 Resp: 2232

Ion Ratio Lower Upper

142 100

127 61.7 31.0 46.4#

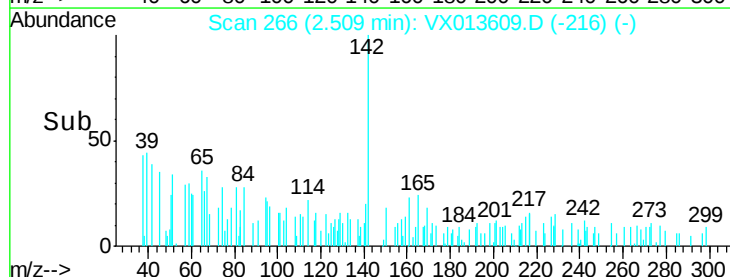
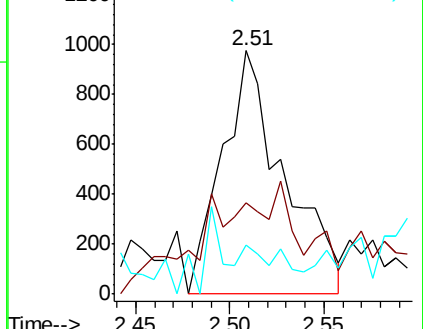
141 4.9 11.6 17.4#

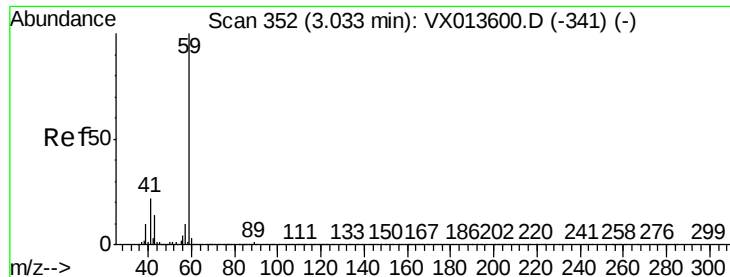


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



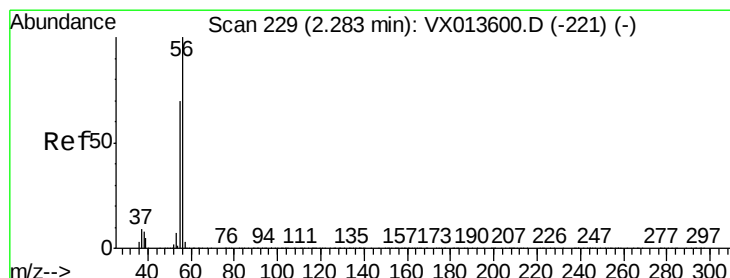
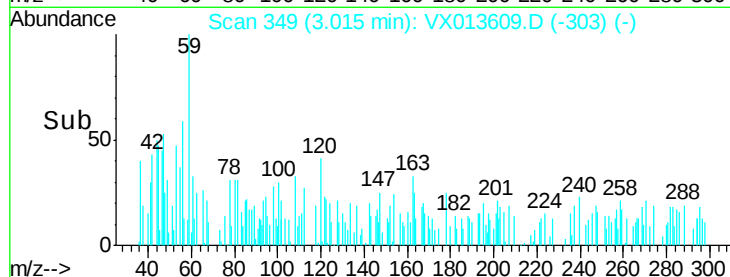
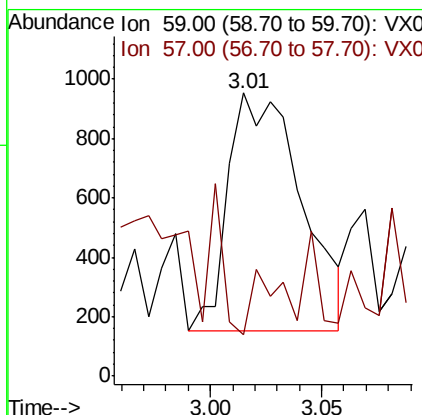
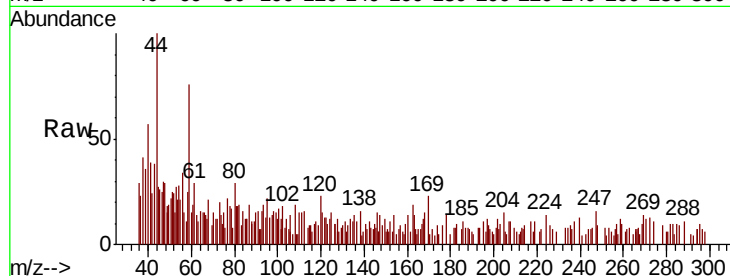


#11

Tert butyl alcohol
 Concen: 0.959 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013609.D
 Acq: 26 Nov 2019 19:20

Instrument :
 MSVOA_X
 ClientSampleId :

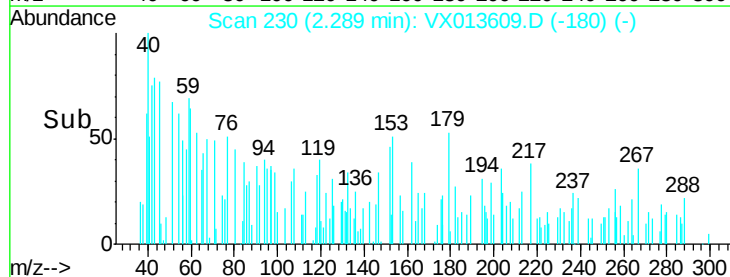
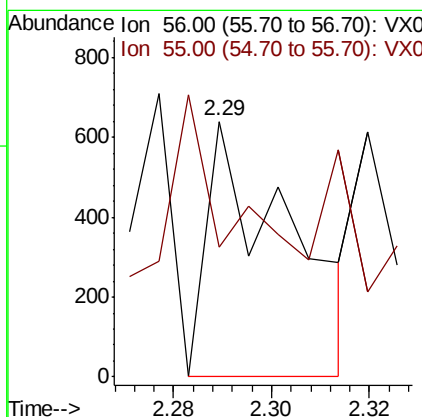
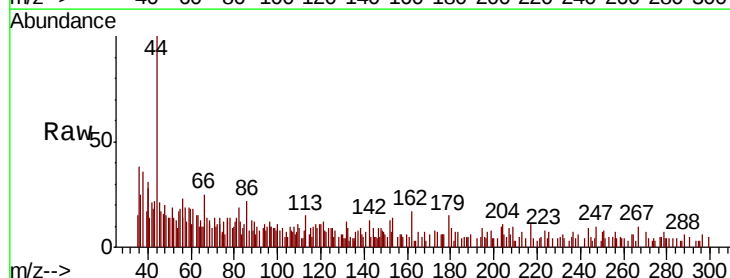
Tot Ion: 59 Resp: 1827
 Ion Ratio Lower Upper
 59 100
 57 11.5 7.8 11.6

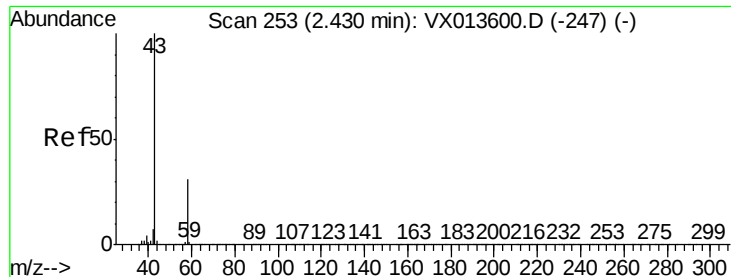


#13

Acrolein
 Concen: 6.565 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013609.D
 Acq: 26 Nov 2019 19:20

Tgt Ion: 56 Resp: 732
 Ion Ratio Lower Upper
 56 100
 55 42.5 56.2 84.4#

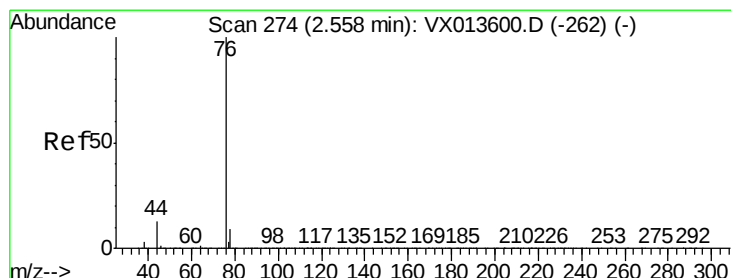
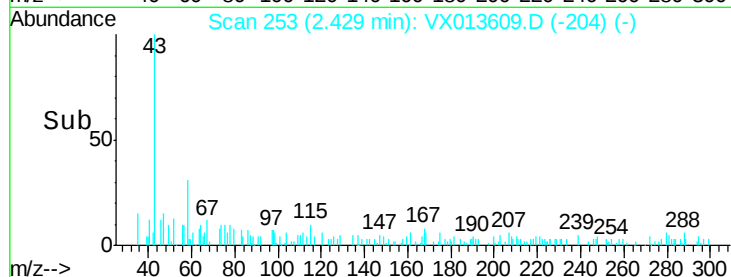
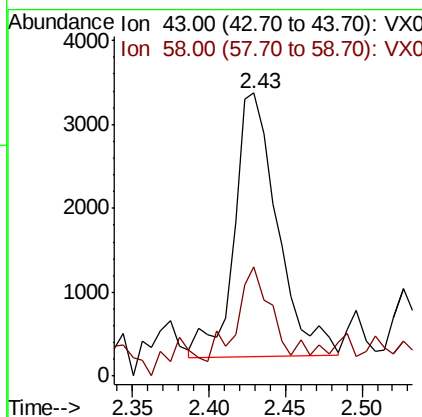
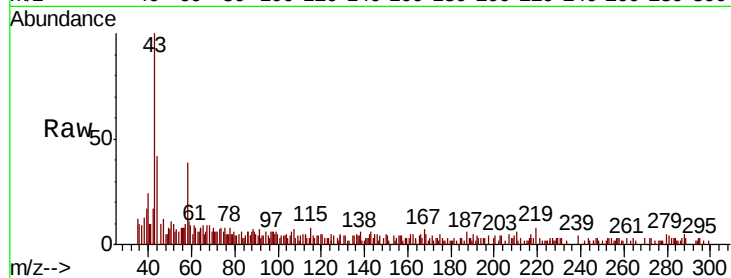




#16
Acetone
Concen: 1.620 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

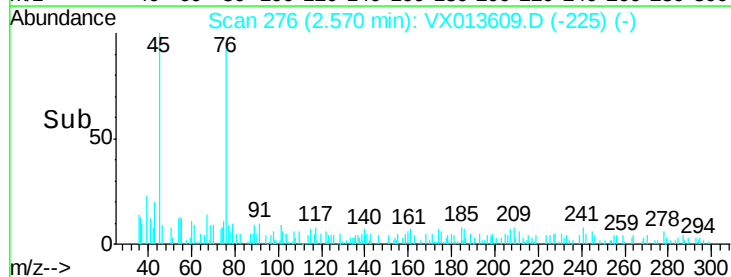
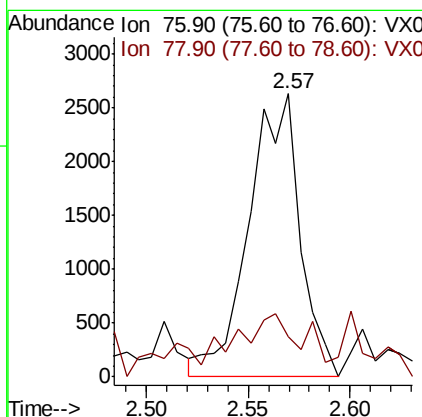
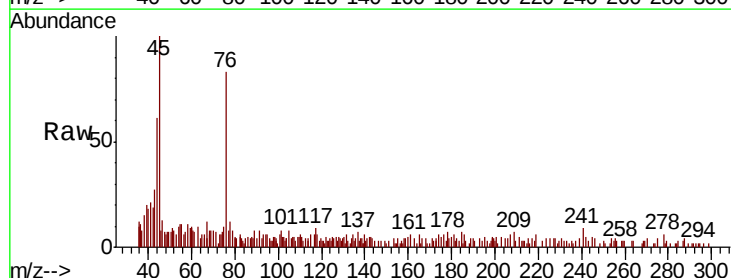
Instrument :
MSVOA_X
ClientSampleId :

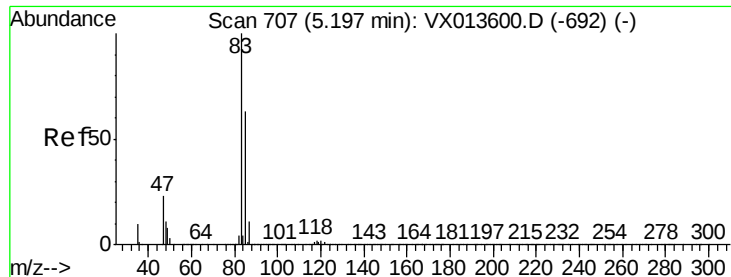
Tot Ion: 43 Resp: 6170
Ion Ratio Lower Upper
43 100
58 44.0 24.6 36.8#



#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

Tgt Ion: 76 Resp: 4585
Ion Ratio Lower Upper
76 100
78 7.6 7.2 10.8

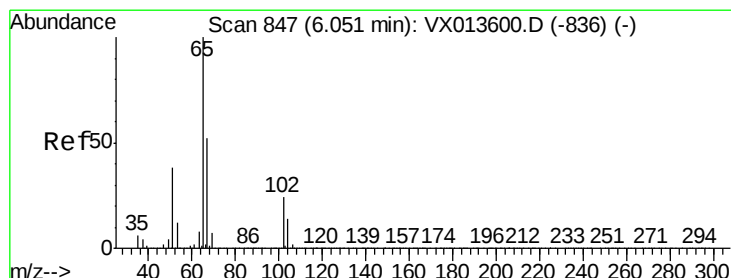
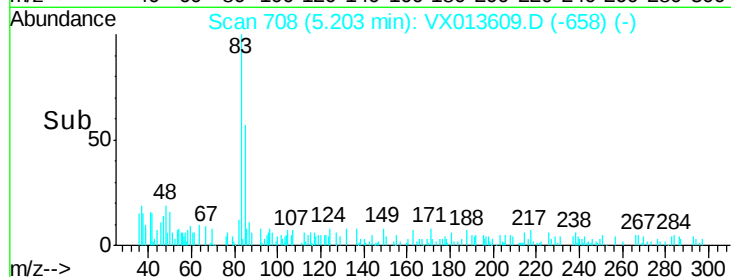
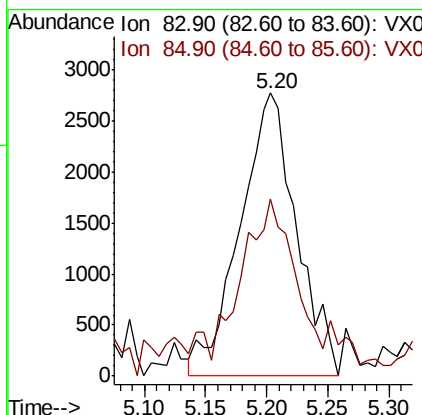
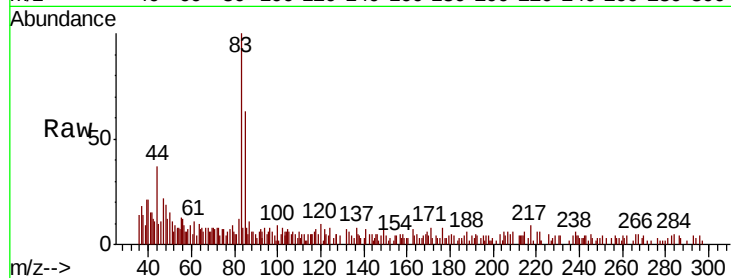




#30
Chloroform
Concen: 0.728 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

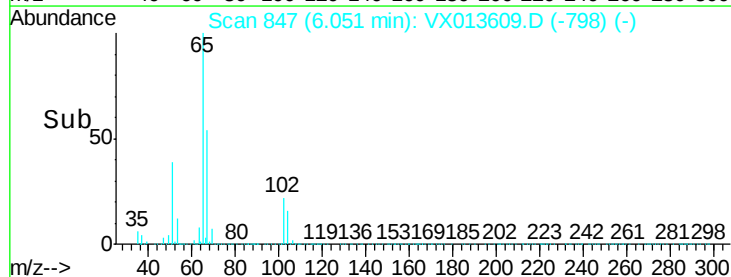
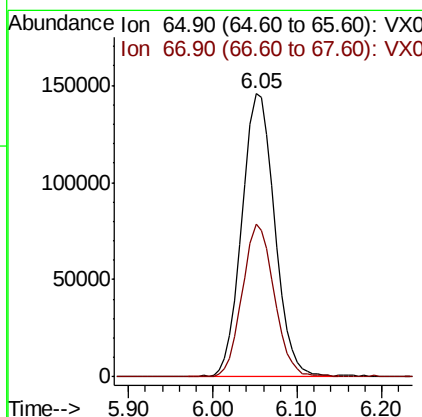
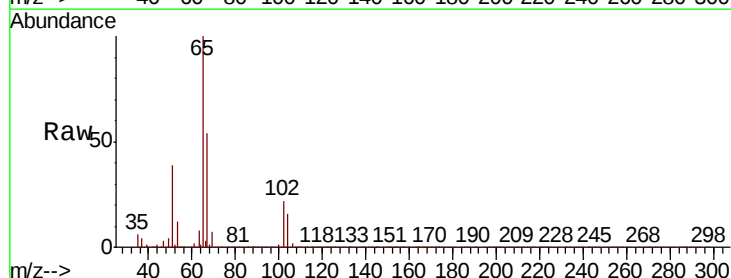
Instrument :
MSVOA_X
ClientSampleId :

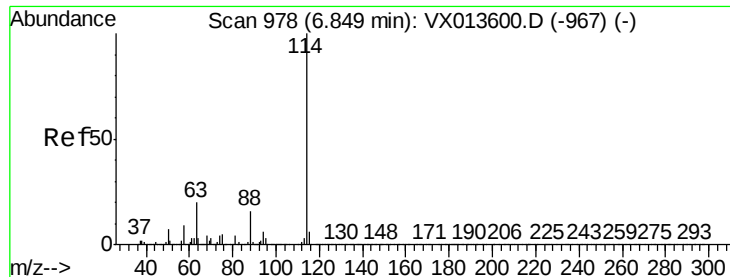
Tot Ion: 83 Resp: 8915
Ion Ratio Lower Upper
83 100
85 54.9 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.695 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

Tgt Ion: 65 Resp: 383386
Ion Ratio Lower Upper
65 100
67 52.3 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: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

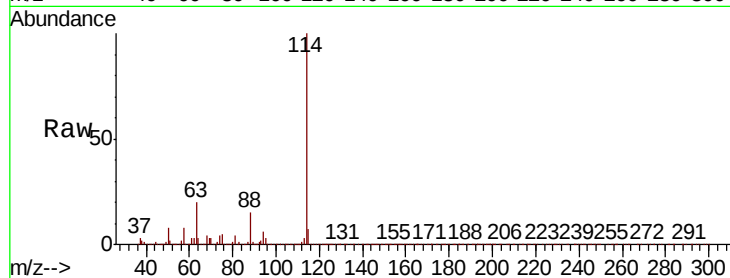
Tot Ion:114 Resp: 1065207

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 15.1 0.0 31.4



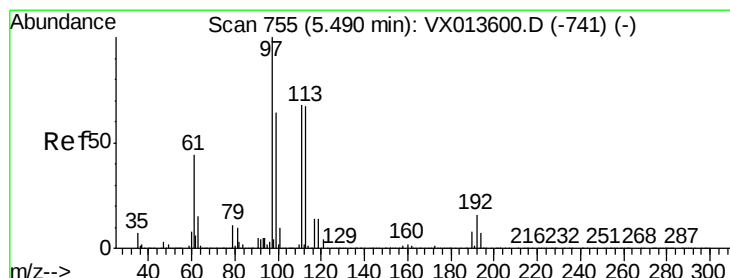
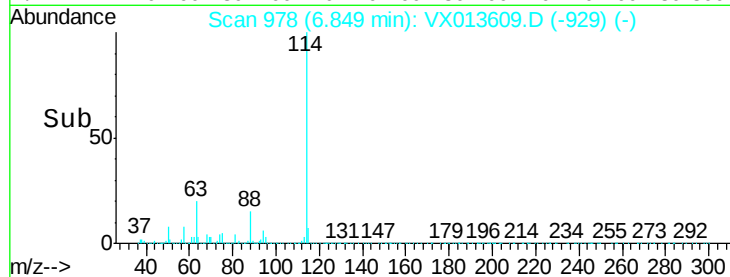
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->



#35

Dibromofluoromethane

Concen: 48.221 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

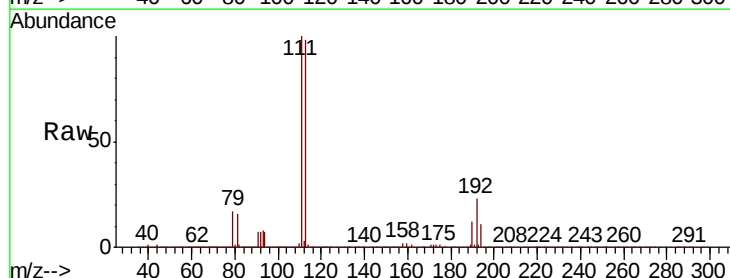
Tgt Ion:113 Resp: 317546

Ion Ratio Lower Upper

113 100

111 103.2 83.6 125.4

192 23.1 19.2 28.8



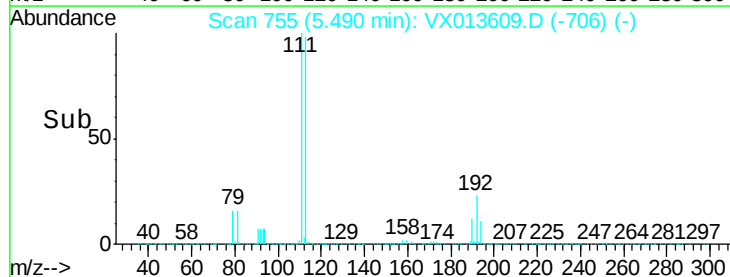
Abundance Ion 112.80 (112.50 to 113.50): V

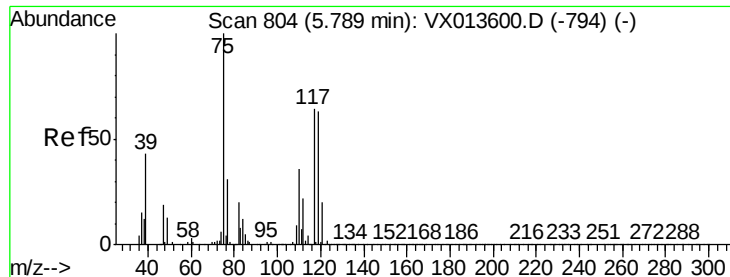
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.49

Time-->





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 5.65 min Scan# 781

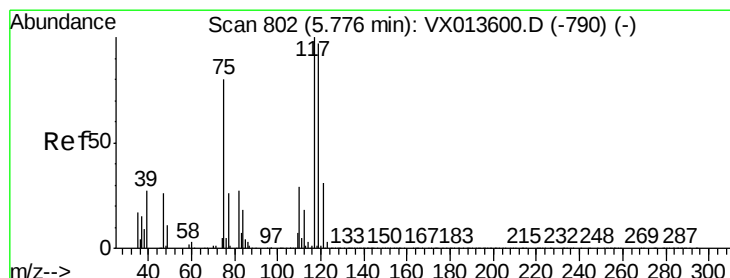
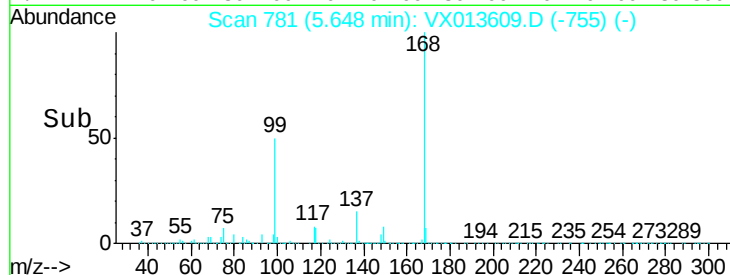
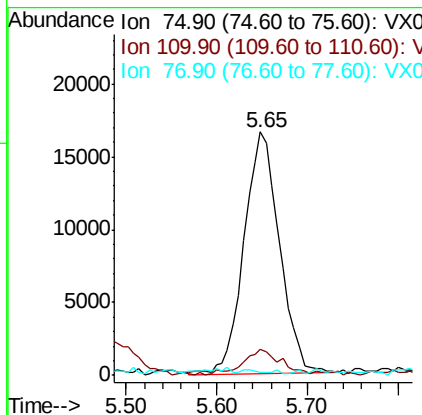
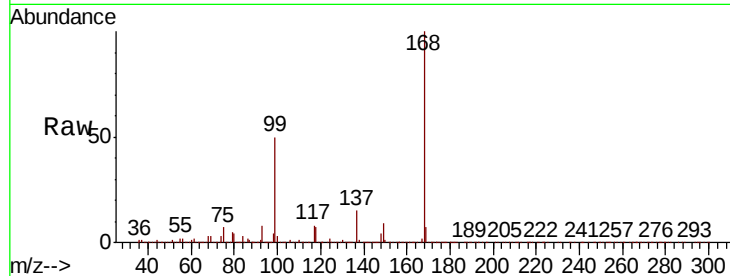
Delta R.T. -0.14 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	44975
Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	0.3	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.567 ug/l

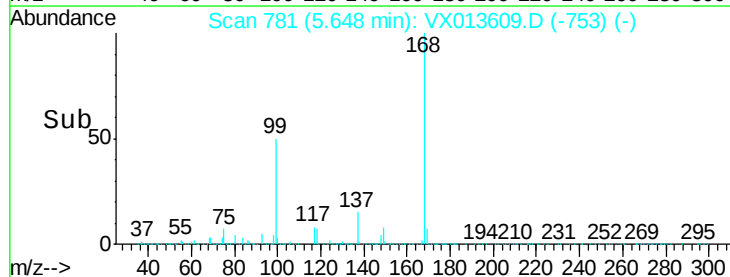
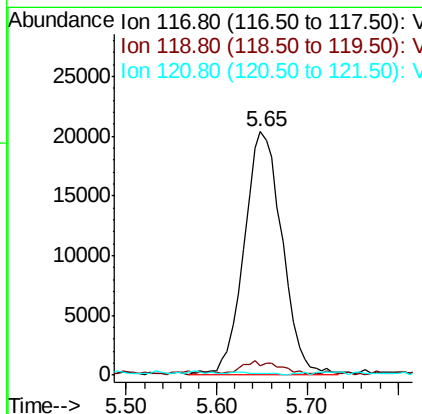
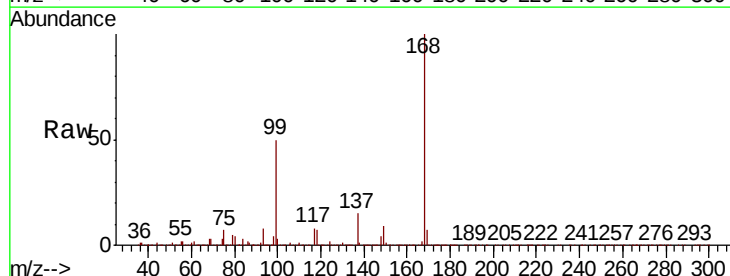
RT: 5.65 min Scan# 781

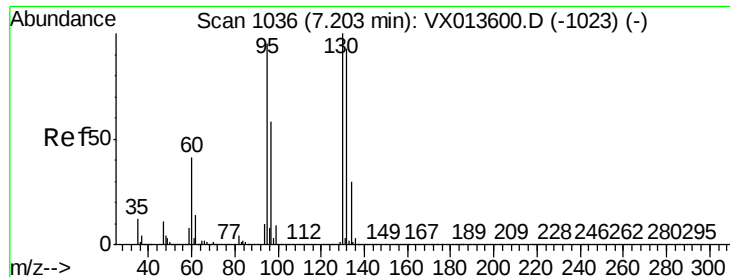
Delta R.T. -0.13 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Tgt Ion:	117	Resp:	58550
Ion	Ratio	Lower	Upper
117	100		
119	3.4	77.5	116.3#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 0.505 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :

MSVOA_X

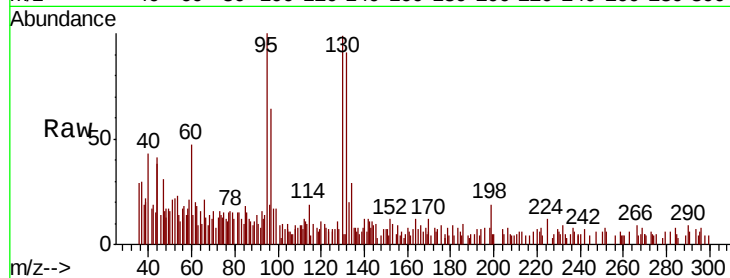
ClientSampleId :

Tot Ion:130 Resp: 4082

Ion Ratio Lower Upper

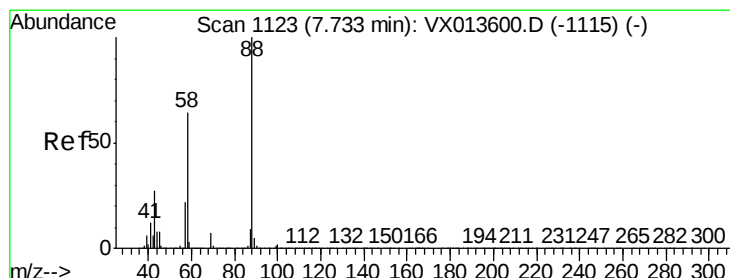
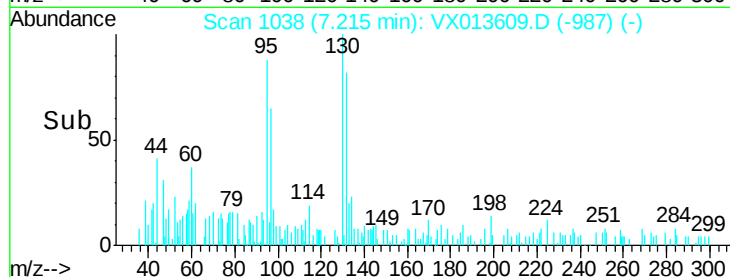
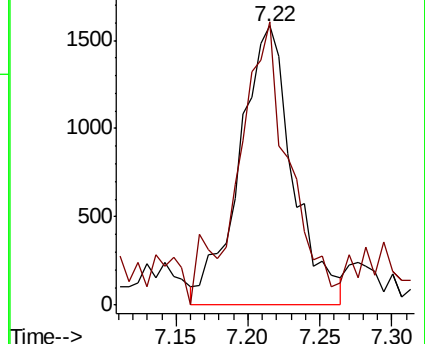
130 100

95 100.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.328 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

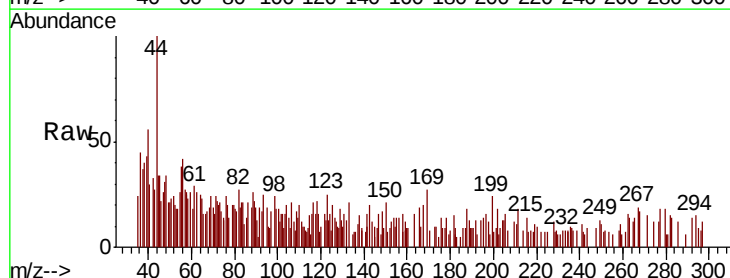
Tgt Ion: 88 Resp: 258

Ion Ratio Lower Upper

88 100

43 329.1 25.8 38.6#

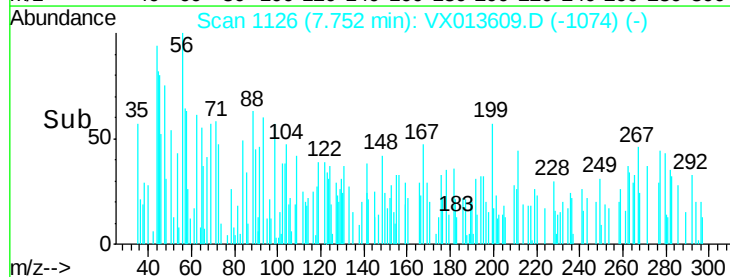
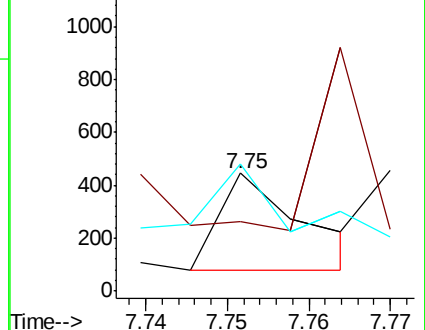
58 144.6 54.6 82.0#

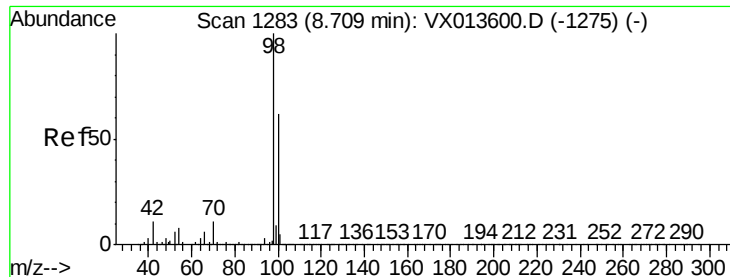


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.052 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :

MSVOA_X

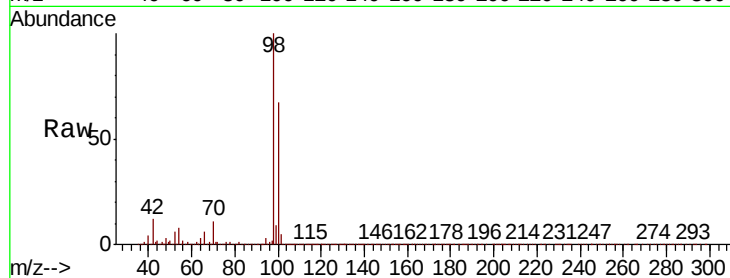
ClientSampleId :

Tot Ion: 98 Resp: 1258519

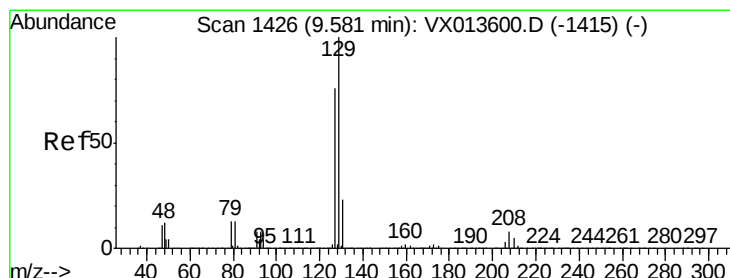
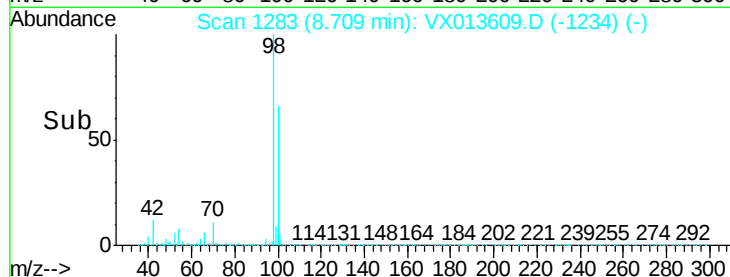
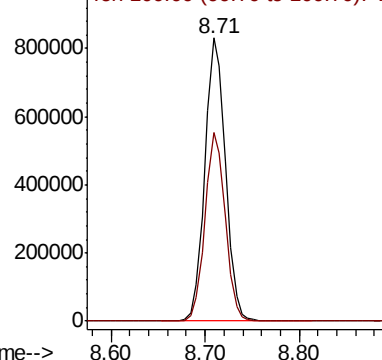
Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX013609.D (-1234) (-)



#60

Dibromochloromethane

Concen: 3.034 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX013609.D

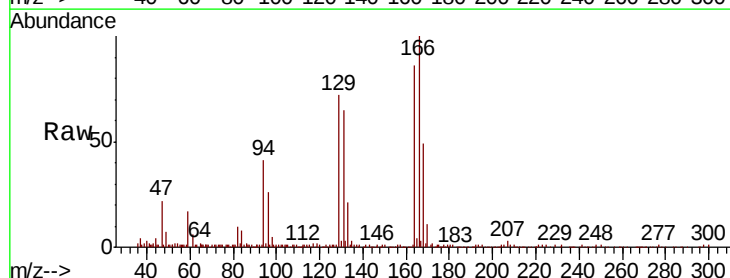
Acq: 26 Nov 2019 19:20

Tgt Ion: 129 Resp: 23213

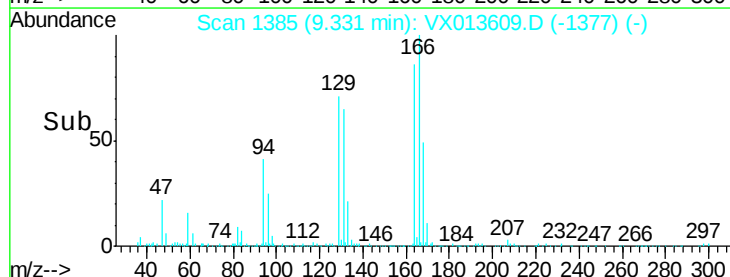
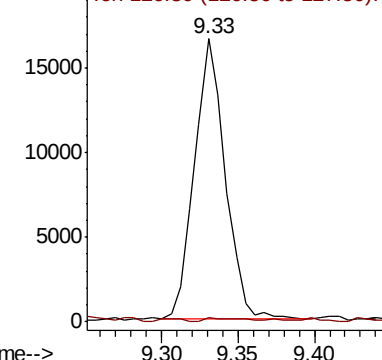
Ion Ratio Lower Upper

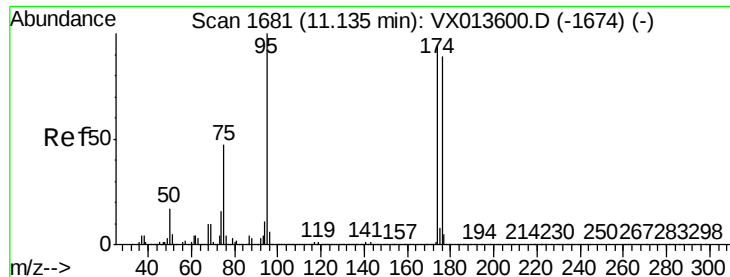
129 100

127 1.8 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VX013609.D (-1377) (-)

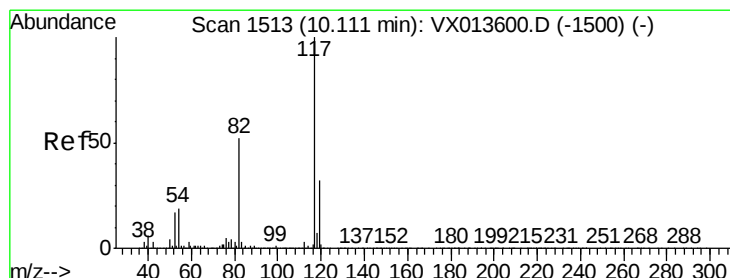
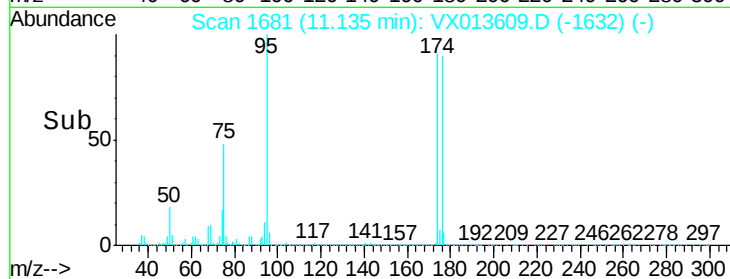
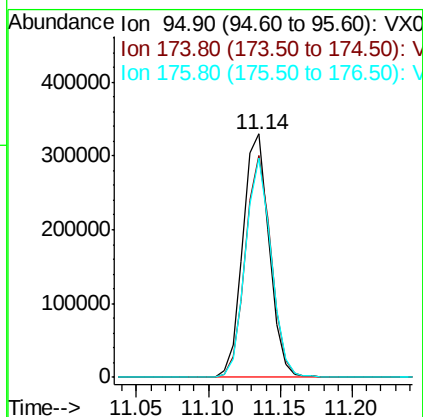
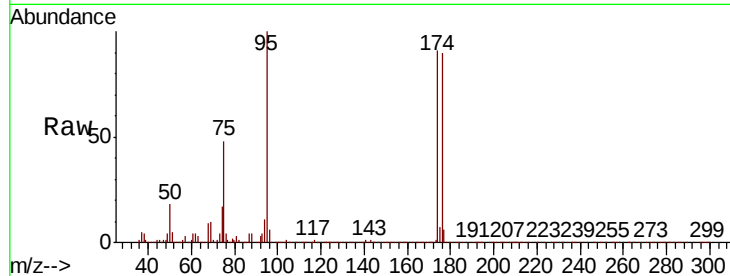




#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

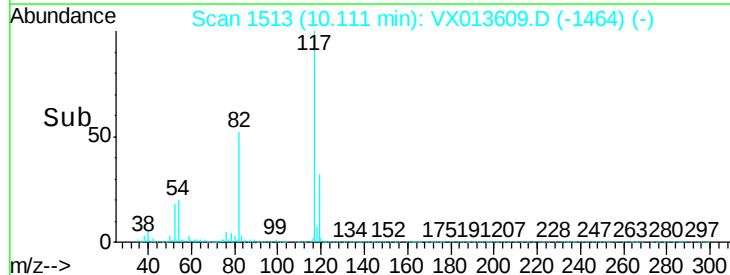
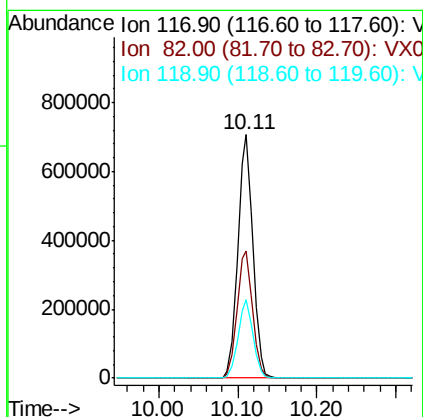
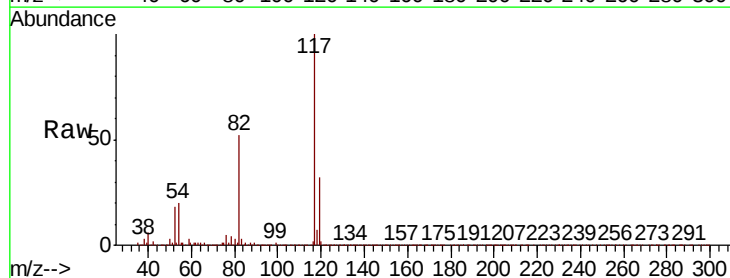
Instrument :
MSVOA_X
ClientSampleId :

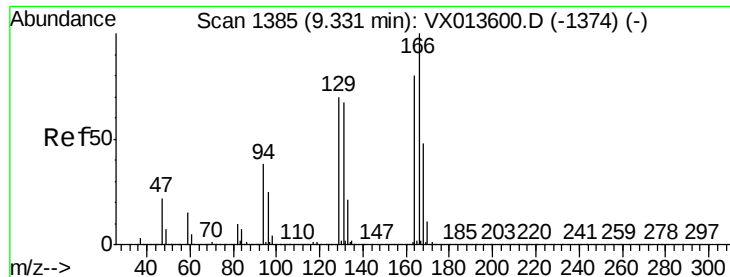
Tot Ion: 95 Resp: 417362
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.0
176 88.0 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013609.D
Acq: 26 Nov 2019 19:20

Tgt Ion: 117 Resp: 938876
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.1 25.8 38.8





#64

Tetrachloroethene

Concen: 4.093 ug/l

RT: 9.33 min Scan# 1385

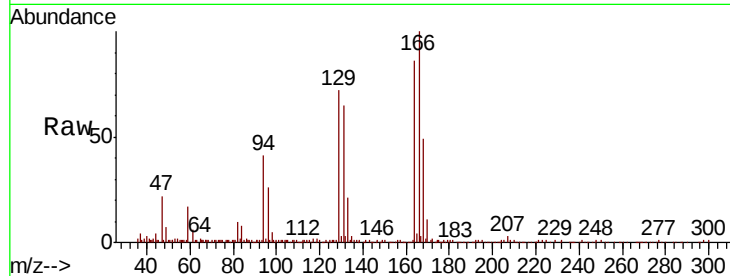
Delta R.T. -0.00 min

Lab File: VX013609.D

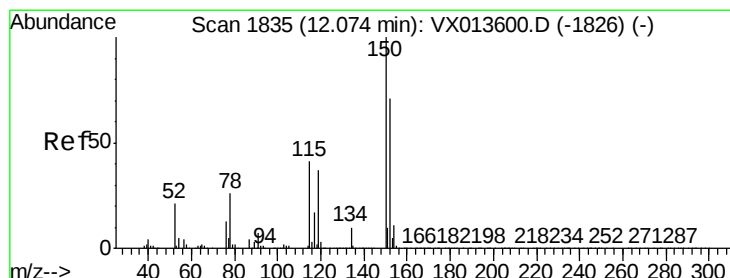
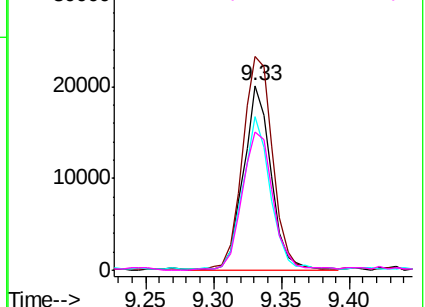
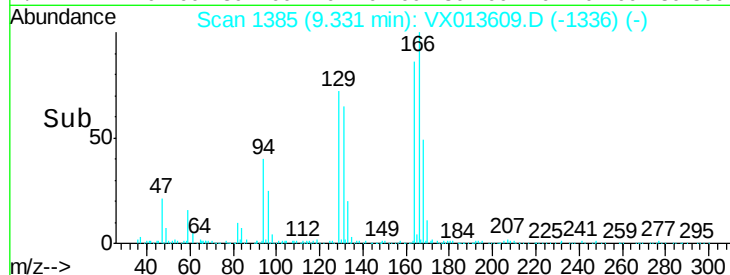
Acq: 26 Nov 2019 19:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164	Resp:	28657
Ion Ratio	Lower	Upper
164	100	
166	115.3	99.7 149.5
129	82.4	70.1 105.1
131	75.2	66.9 100.3



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

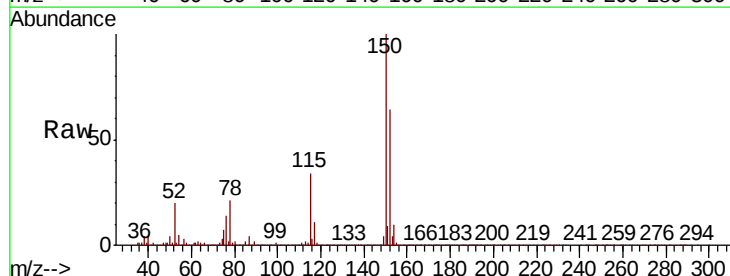
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

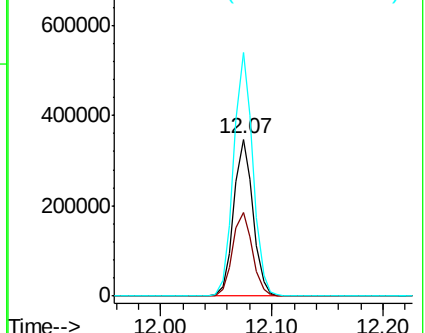
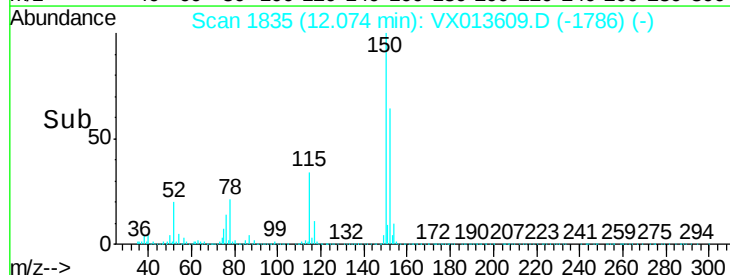
Lab File: VX013609.D

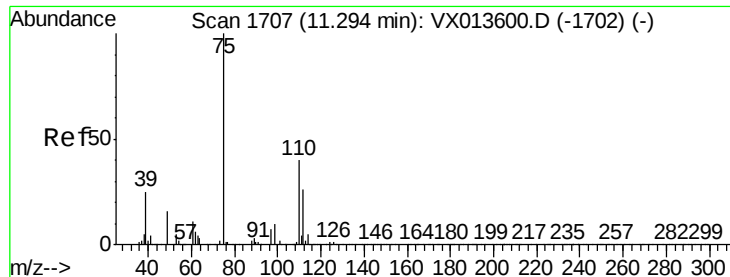
Acq: 26 Nov 2019 19:20

Tgt	Ion:152	Resp:	414956
Ion	Ratio	Lower	Upper
152	100		
115	55.1	38.4	115.1
150	155.4	0.0	346.8



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: 21.912 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

Instrument :

MSVOA_X

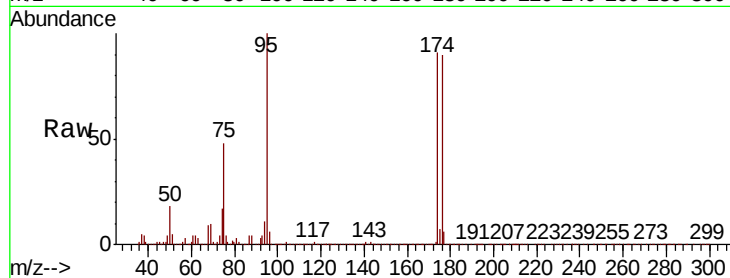
ClientSampleId :

Tot Ion: 75 Resp: 204511

Ion Ratio Lower Upper

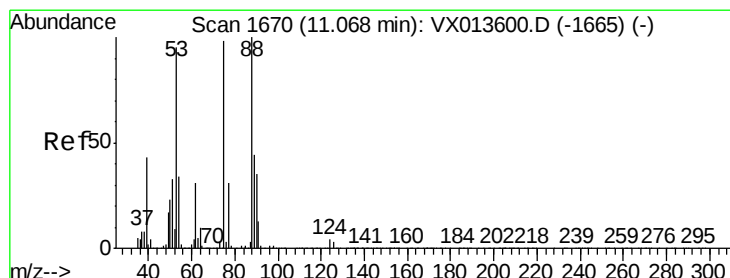
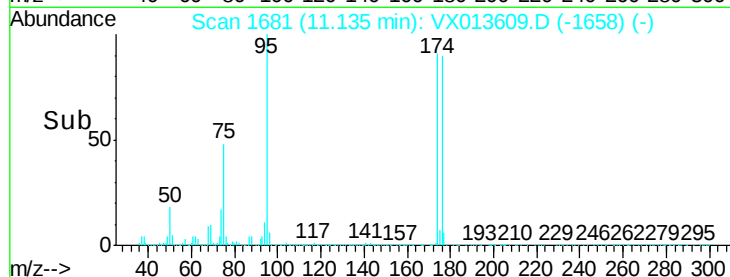
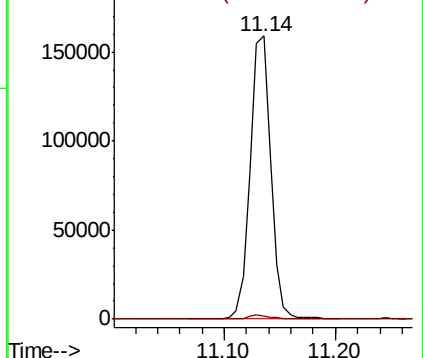
75 100

77 1.3 19.1 57.5#



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: 59.949 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013609.D

Acq: 26 Nov 2019 19:20

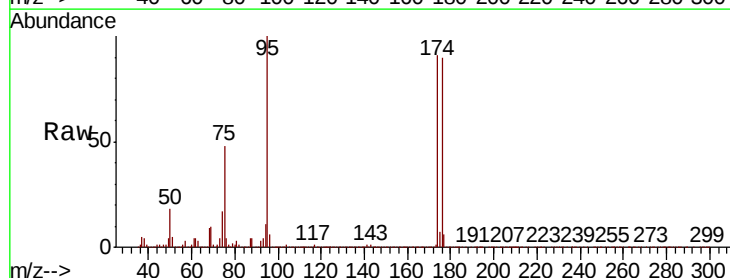
Tgt Ion: 75 Resp: 204511

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#



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

