

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013680.D
 Acq On : 28 Nov 2019 03:08
 Operator : JC/SP
 Sample : K5962-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20191120

Quant Time: Nov 28 04:23:51 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	703487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1098352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	978926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	440700	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	396202	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
35) Dibromofluoromethane	5.49	113	327149	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	1290919	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.14	95	437530	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

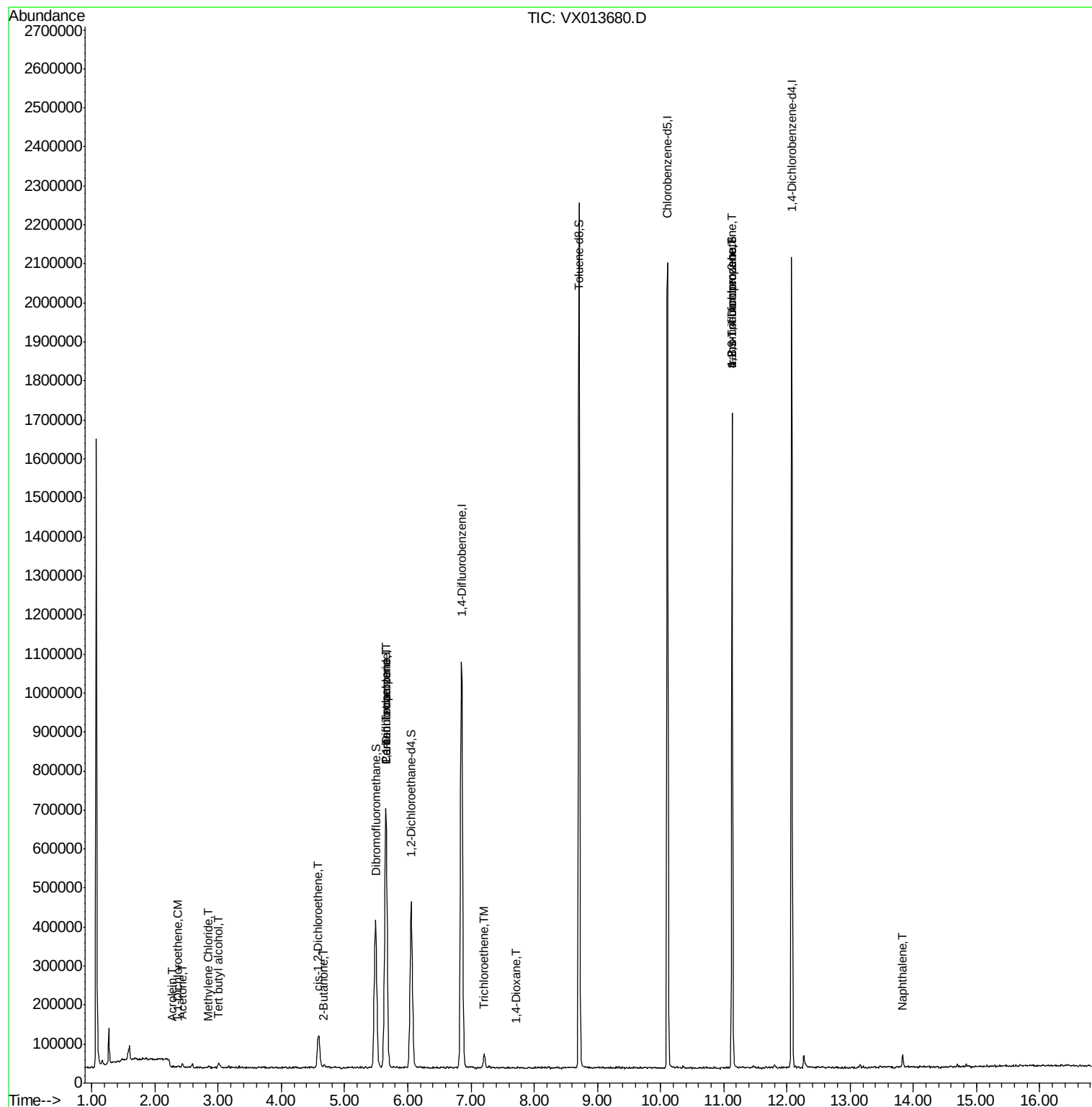
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	8441	4.188	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	1469	0.219	ug/l #	38
13) Acrolein	2.28	56	385	6.283	ug/l #	15
16) Acetone	2.43	43	11605	2.879	ug/l	90
20) Methylene Chloride	2.84	84	2398	0.310	ug/l #	79
25) 2-Butanone	4.67	43	1665	0.278	ug/l #	81
27) cis-1,2-Dichloroethene	4.58	96	59432	7.096	ug/l	89
36) 1,1-Dichloropropene	5.65	75	46983	4.712	ug/l #	53
38) Carbon Tetrachloride	5.65	117	60865	6.620	ug/l #	14
44) Trichloroethene	7.21	130	15150	1.818	ug/l	97
49) 1,4-Dioxane	7.72	88	390	1.947	ug/l #	3
76) 1,2,3-Trichloropropane	11.13	75	213827	21.572	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	213827	59.018	ug/l #	11
95) Naphthalene	13.83	128	23602	0.791	ug/l	99

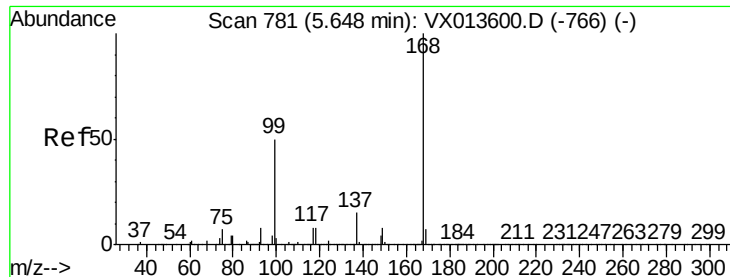
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

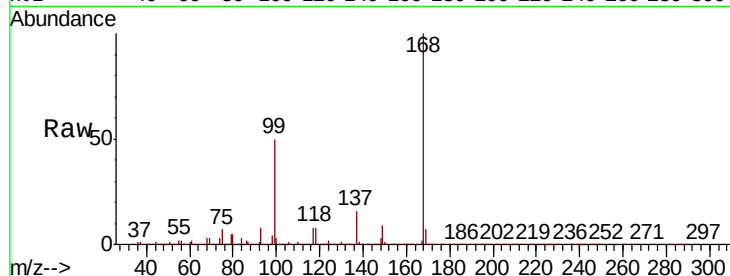
22BR-20191120

Tot Ion:168 Resp: 703487

Ion Ratio Lower Upper

168 100

99 50.1 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

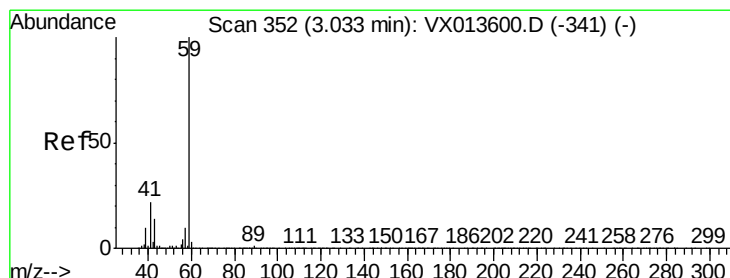
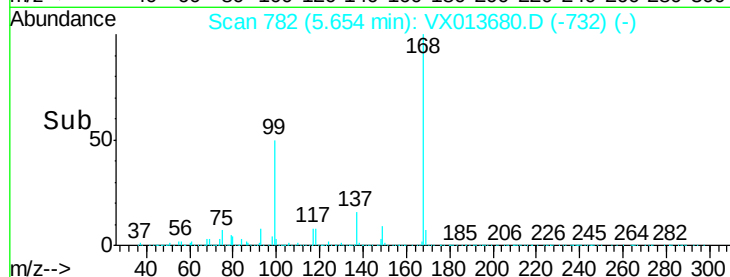
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.188 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013680.D

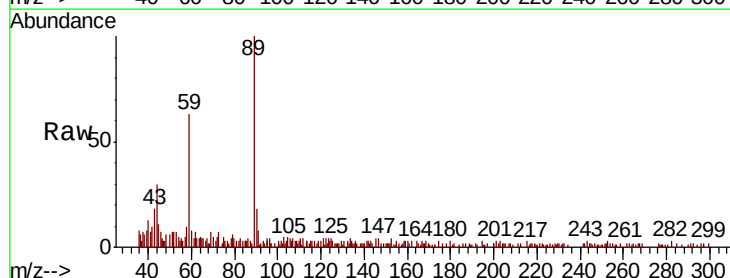
Acq: 28 Nov 2019 03:08

Tgt Ion: 59 Resp: 8441

Ion Ratio Lower Upper

59 100

57 5.8 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.00

4000

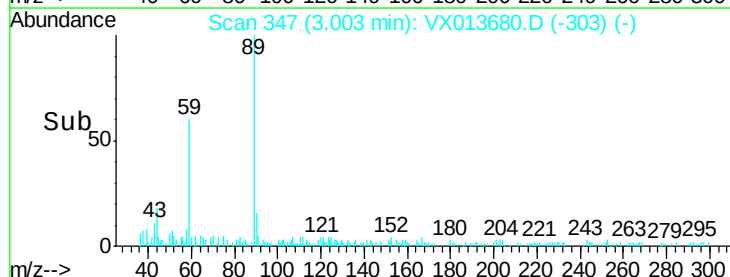
3000

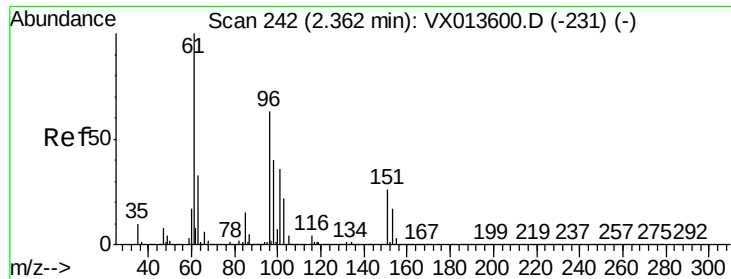
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.219 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

22BR-20191120

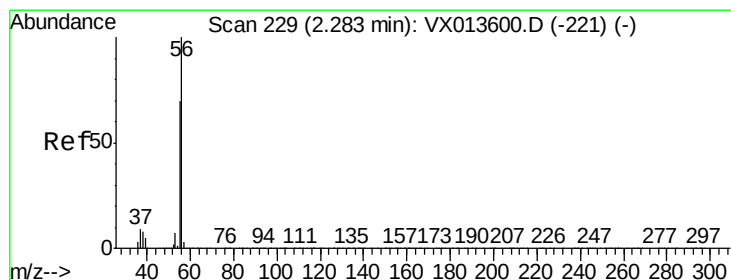
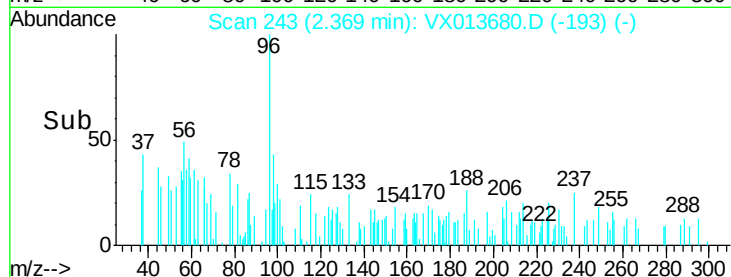
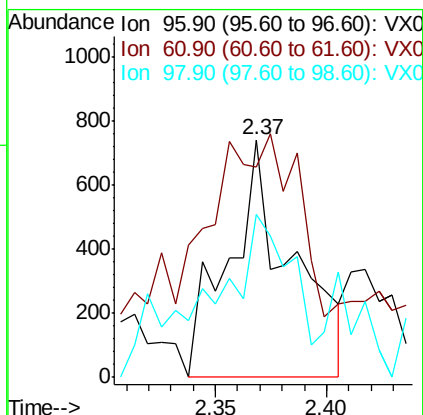
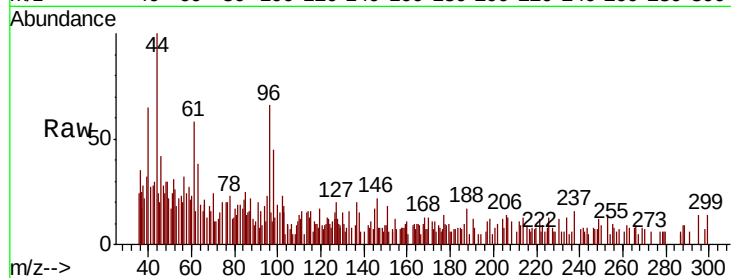
Tot Ion: 96 Resp: 1469

Ion Ratio Lower Upper

96 100

61 57.9 126.6 190.0#

98 44.3 50.6 76.0#



#13

Acrolein

Concen: 6.283 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013680.D

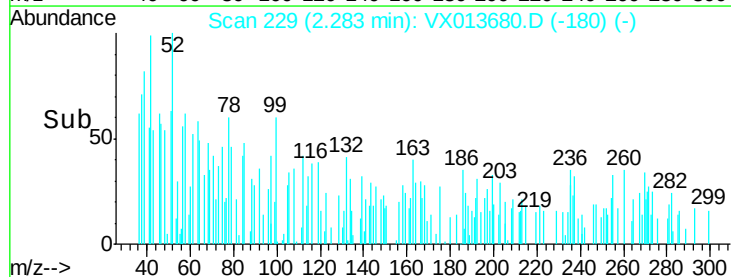
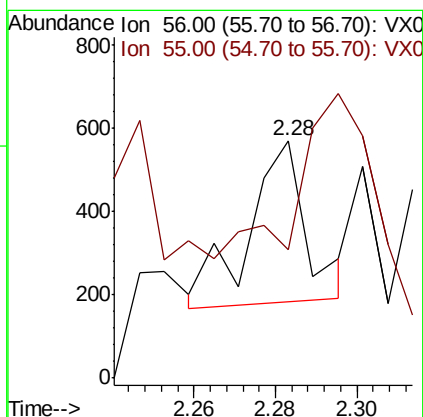
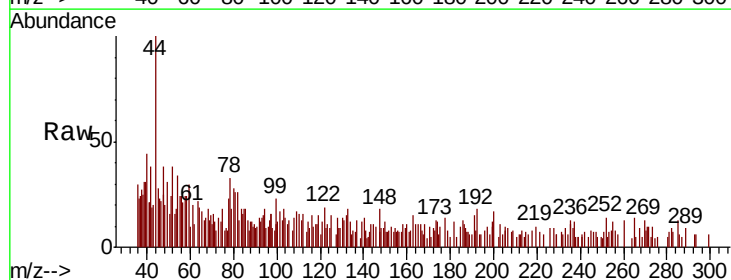
Acq: 28 Nov 2019 03:08

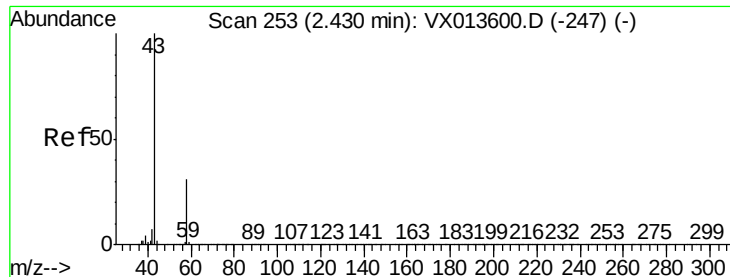
Tgt Ion: 56 Resp: 385

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

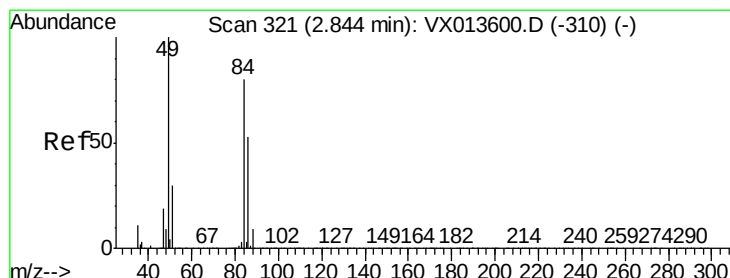
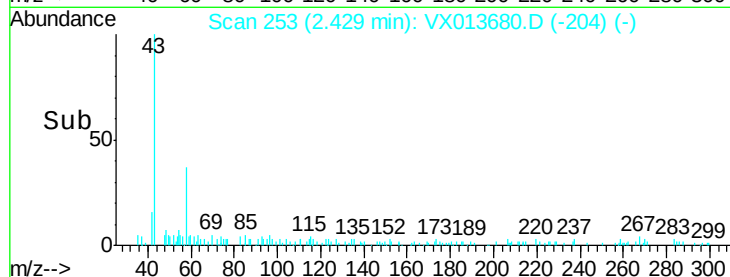
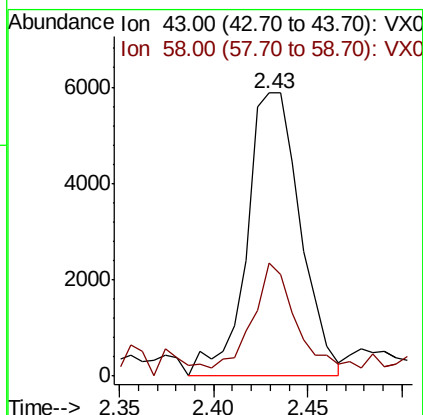
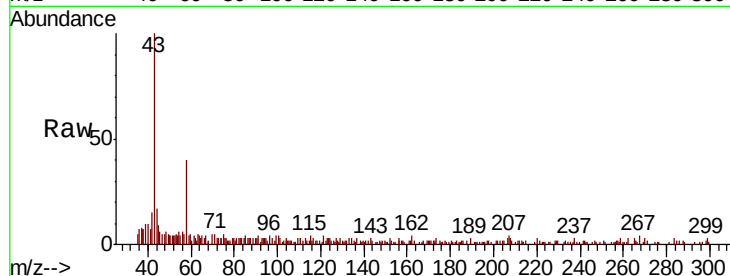




#16
Acetone
Concen: 2.879 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013680.D
Acq: 28 Nov 2019 03:08

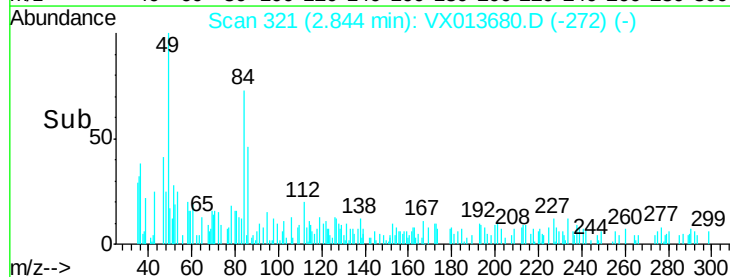
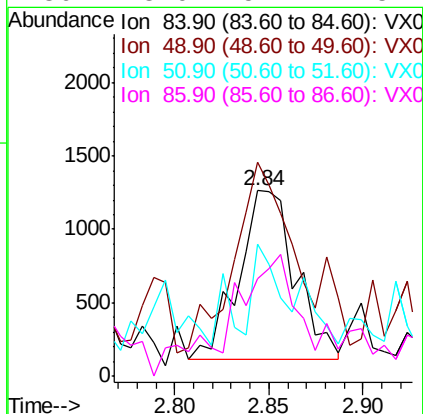
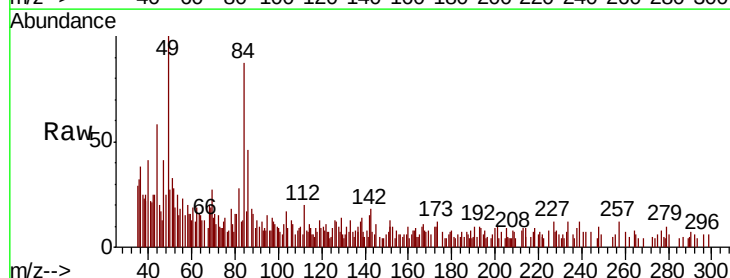
Instrument :
MSVOA_X
ClientSampleId :
22BR-20191120

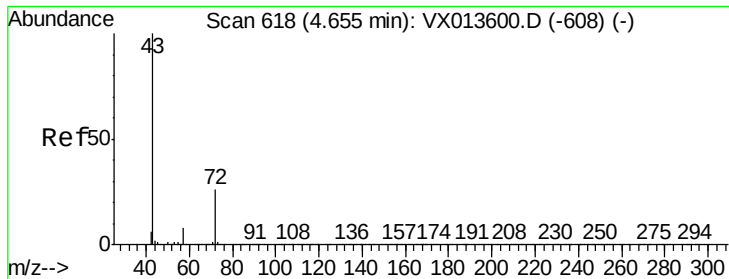
Tot Ion: 43 Resp: 11605
Ion Ratio Lower Upper
43 100
58 36.1 24.6 36.8



#20
Methylene Chloride
Concen: 0.310 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013680.D
Acq: 28 Nov 2019 03:08

Tgt Ion: 84 Resp: 2398
Ion Ratio Lower Upper
84 100
49 110.0 99.7 149.5
51 58.6 29.9 44.9#
86 43.0 52.2 78.4#





#25

2-Butanone

Concen: 0.278 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

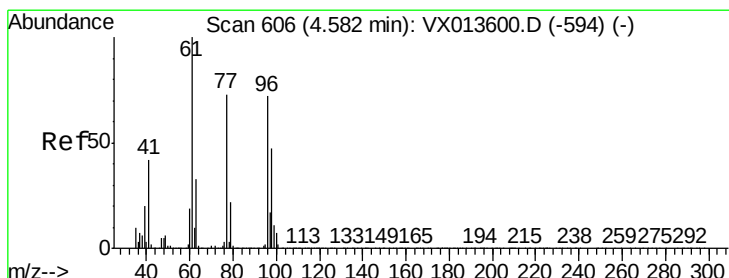
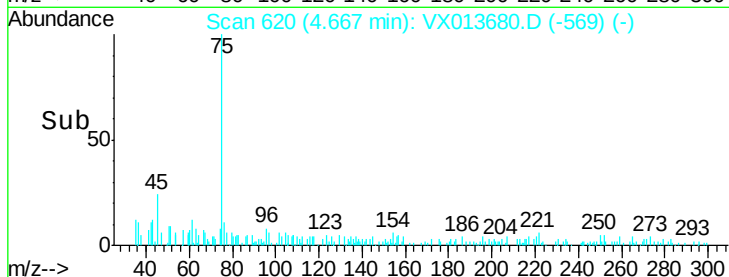
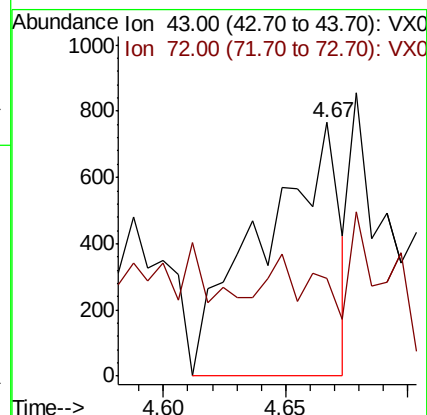
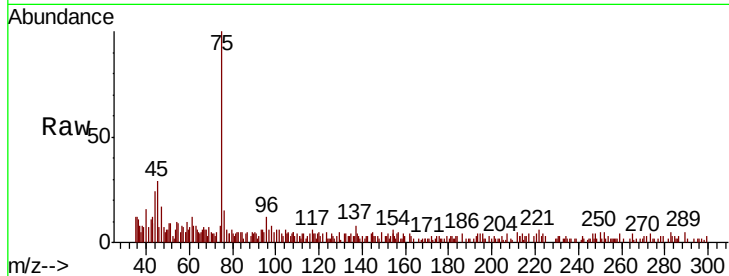
22BR-20191120

Tot Ion: 43 Resp: 1665

Ion Ratio Lower Upper

43 100

72 15.9 20.6 31.0#



#27

cis-1,2-Dichloroethene

Concen: 7.096 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

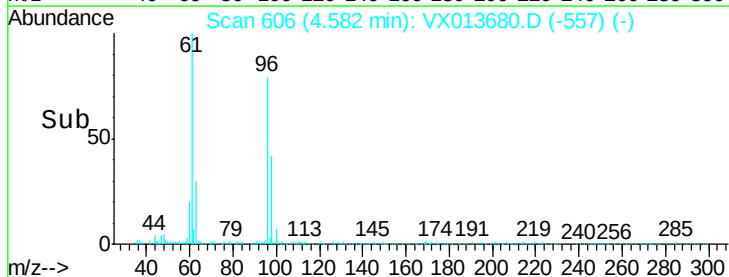
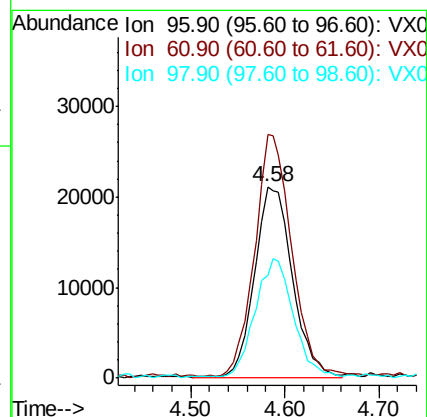
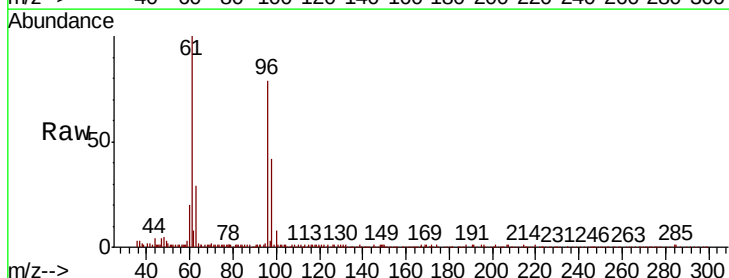
Tgt Ion: 96 Resp: 59432

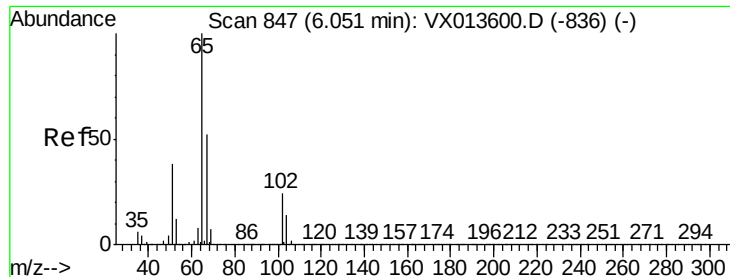
Ion Ratio Lower Upper

96 100

61 124.5 0.0 286.4

98 61.9 0.0 127.4

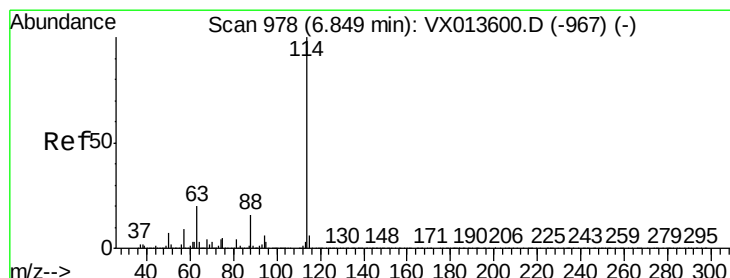
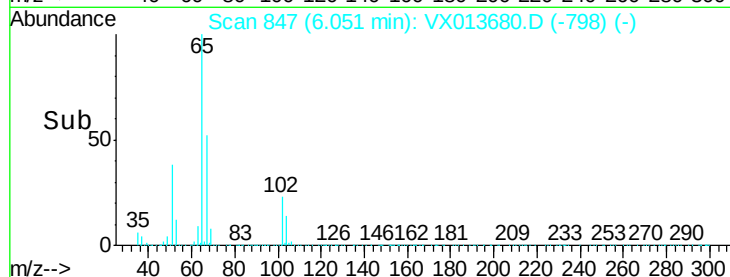
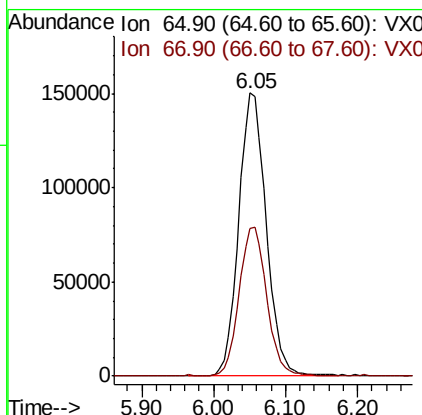
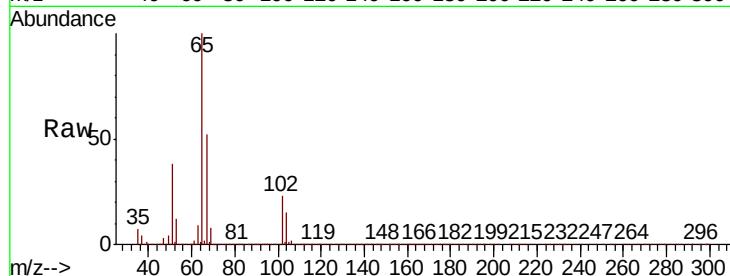




#33
 1,2-Dichloroethane-d4
 Concen: 48.519 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013680.D
 Acq: 28 Nov 2019 03:08

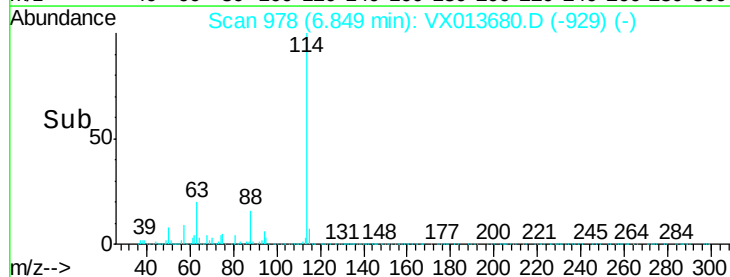
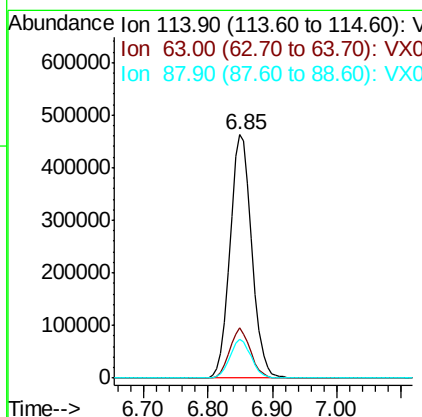
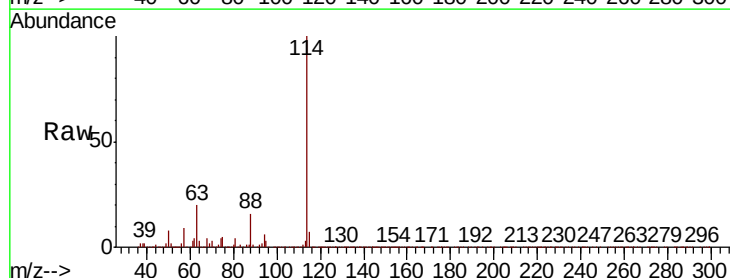
Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20191120

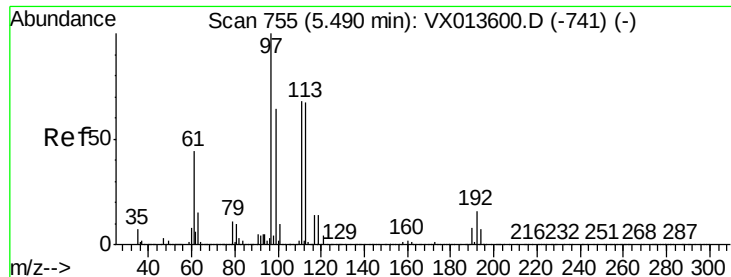
Tot Ion: 65 Resp: 396202
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013680.D
 Acq: 28 Nov 2019 03:08

Tgt Ion: 114 Resp: 1098352
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.180 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

22BR-20191120

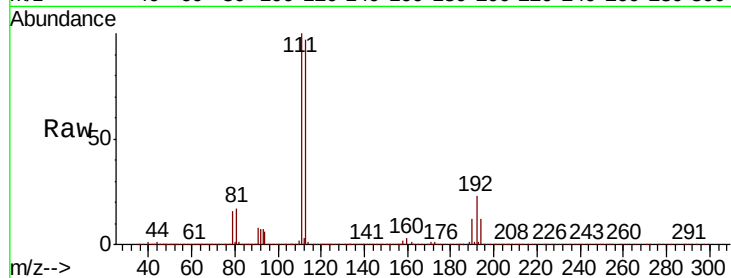
Tot Ion:113 Resp: 327149

Ion Ratio Lower Upper

113 100

111 102.2 83.6 125.4

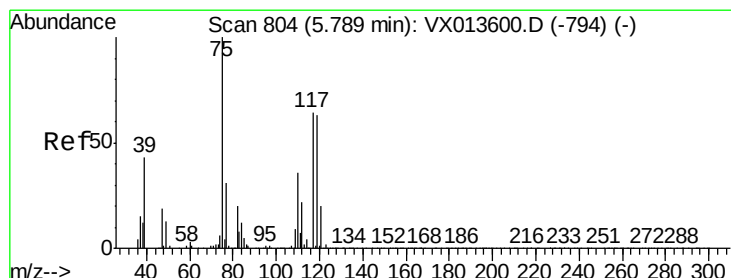
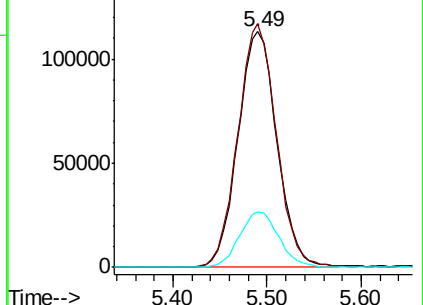
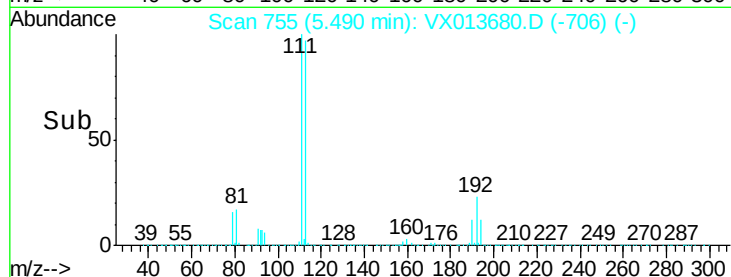
192 24.0 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 4.712 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

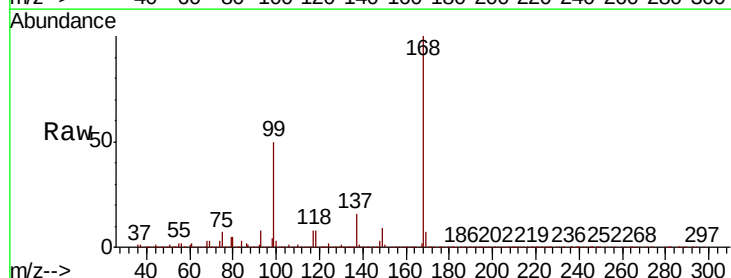
Tgt Ion: 75 Resp: 46983

Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.1#

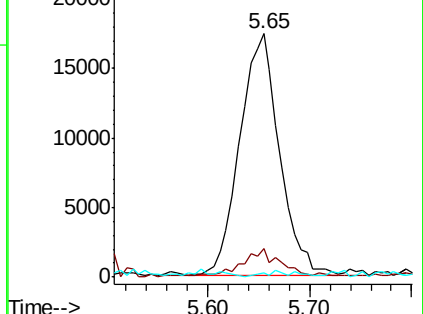
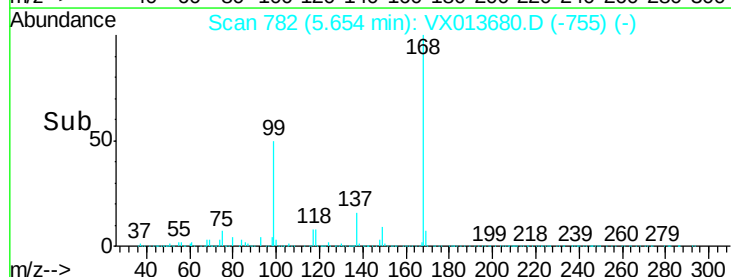
77 1.4 24.5 36.7#

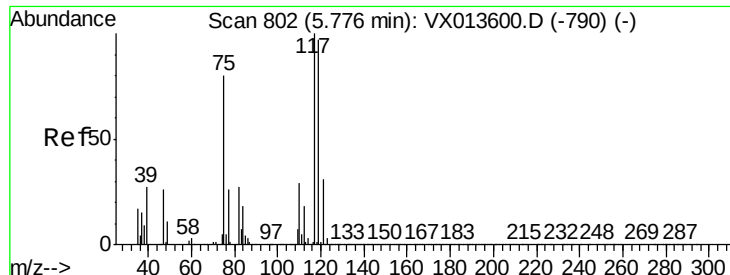


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.620 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

22BR-20191120

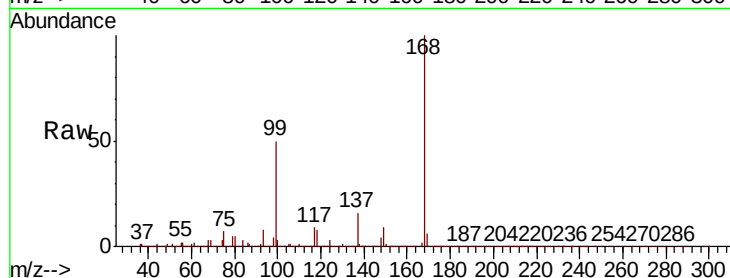
Tot Ion:117 Resp: 60865

Ion Ratio Lower Upper

117 100

119 3.4 77.5 116.3#

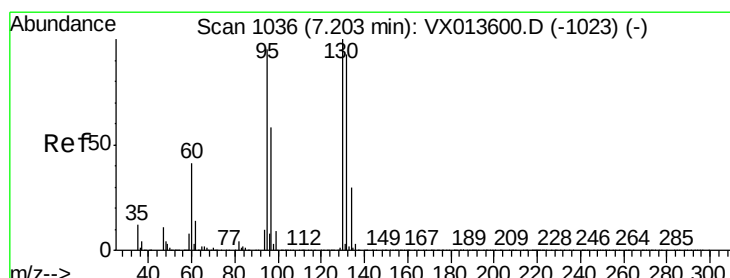
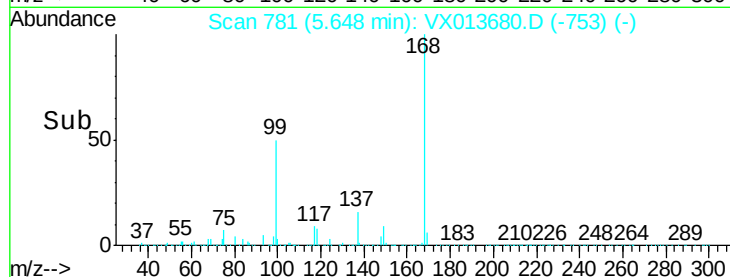
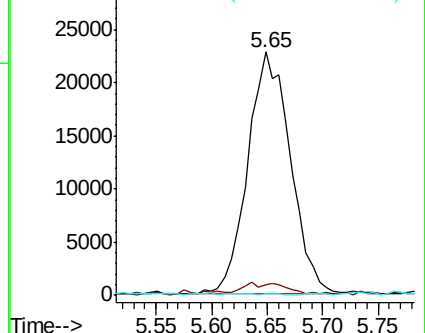
121 0.1 25.0 37.6#



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: 1.818 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013680.D

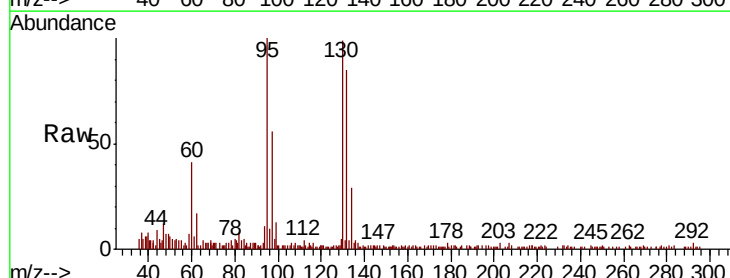
Acq: 28 Nov 2019 03:08

Tgt Ion:130 Resp: 15150

Ion Ratio Lower Upper

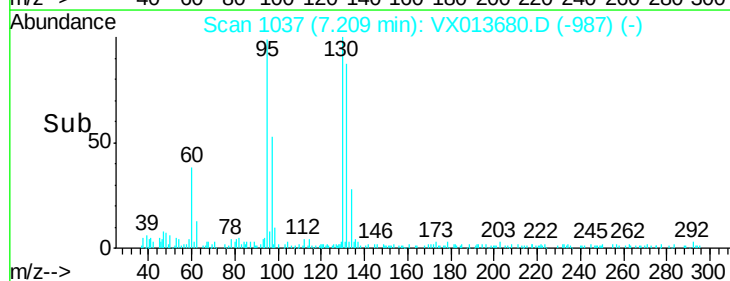
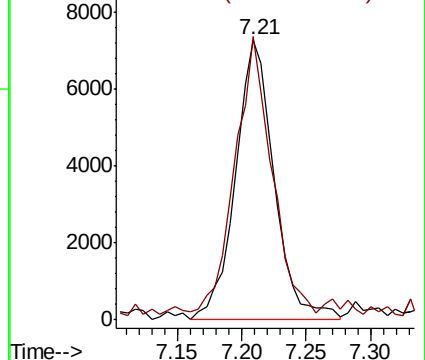
130 100

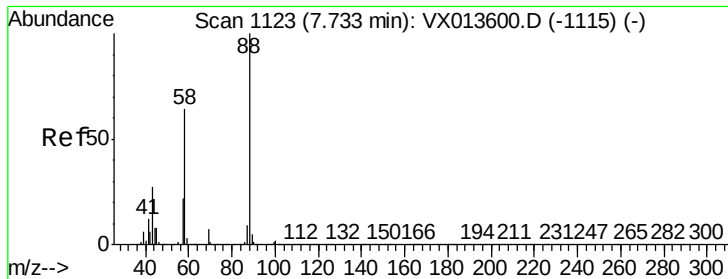
95 98.5 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.947 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

22BR-20191120

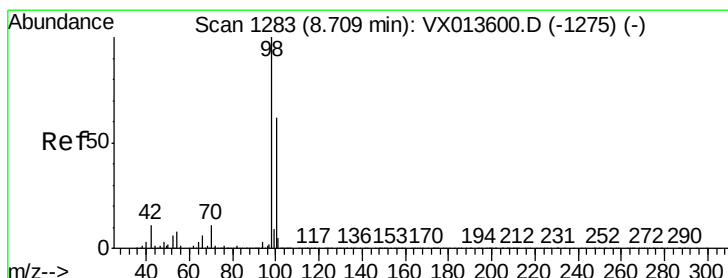
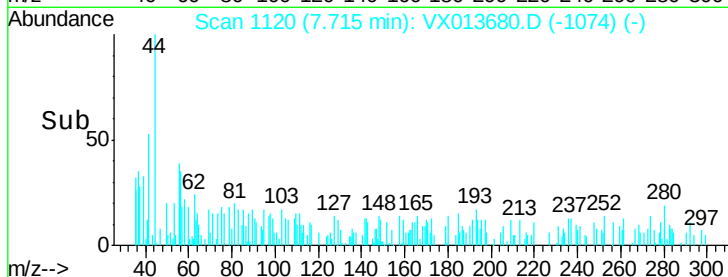
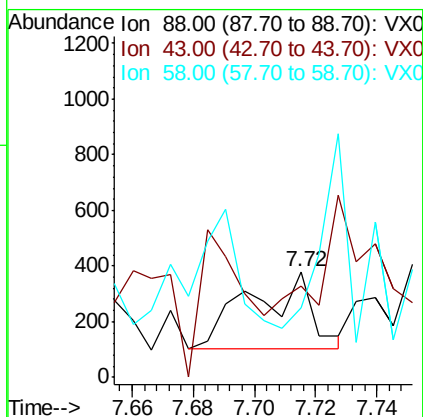
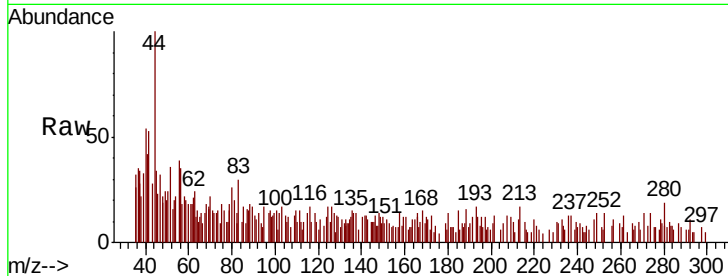
Tot Ion: 88 Resp: 390

Ion Ratio Lower Upper

88 100

43 79.7 25.8 38.6#

58 151.5 54.6 82.0#



#50

Toluene-d8

Concen: 48.796 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013680.D

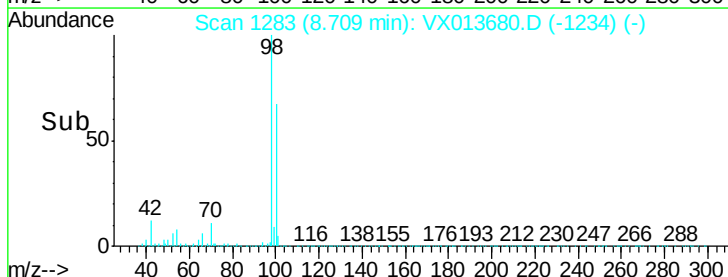
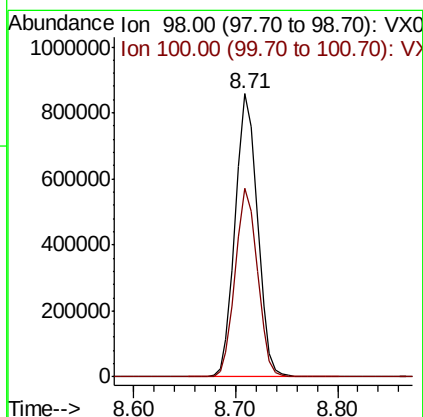
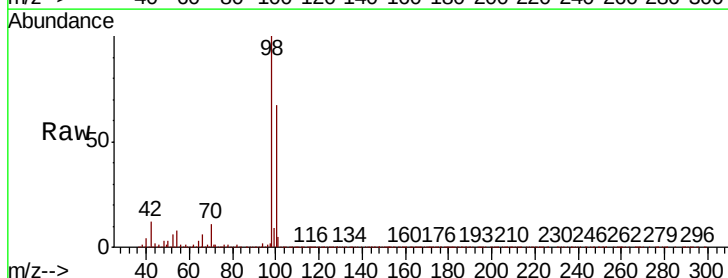
Acq: 28 Nov 2019 03:08

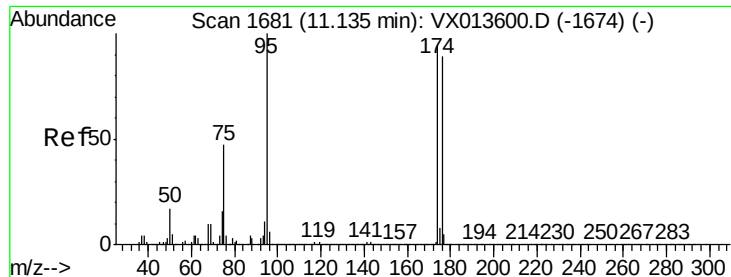
Tgt Ion: 98 Resp: 1290919

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.864 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013680.D

Acq: 28 Nov 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

22BR-20191120

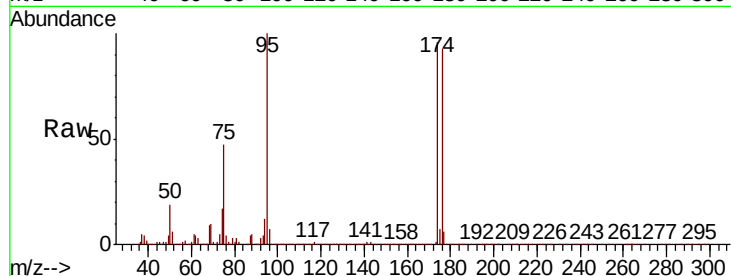
Tot Ion: 95 Resp: 437530

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

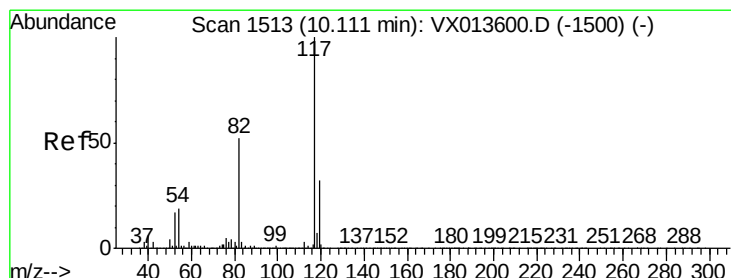
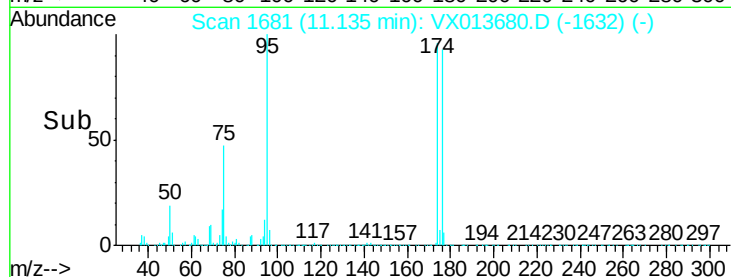
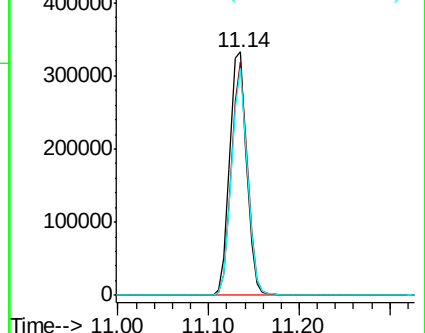
176 87.2 0.0 173.6



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: VX013680.D

Acq: 28 Nov 2019 03:08

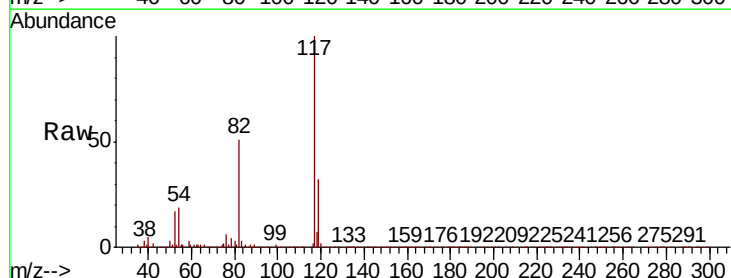
Tgt Ion: 117 Resp: 978926

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

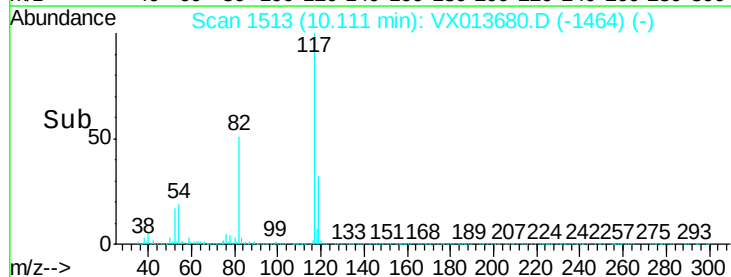
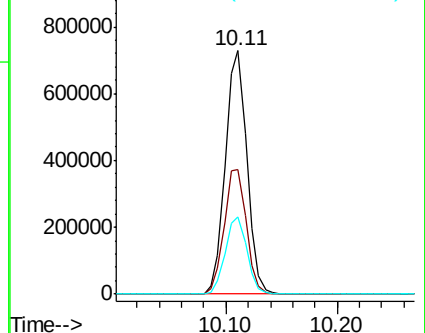
119 31.8 25.8 38.8

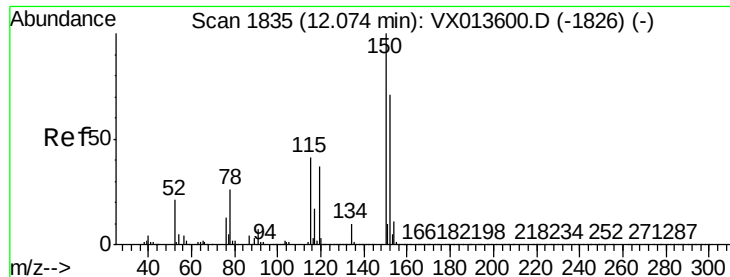


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

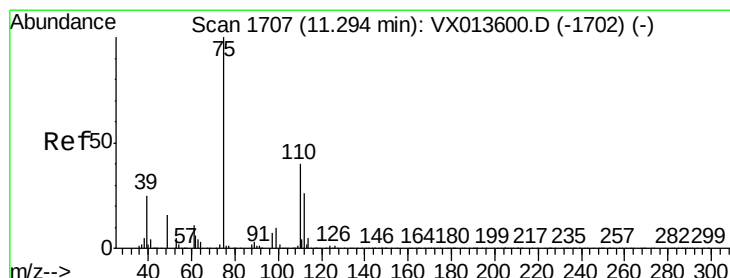
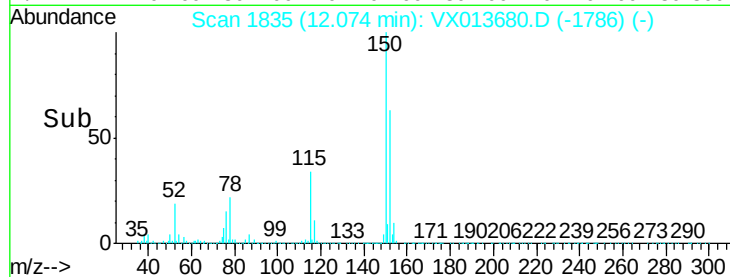
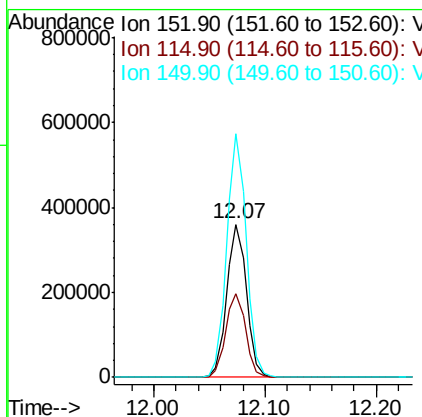
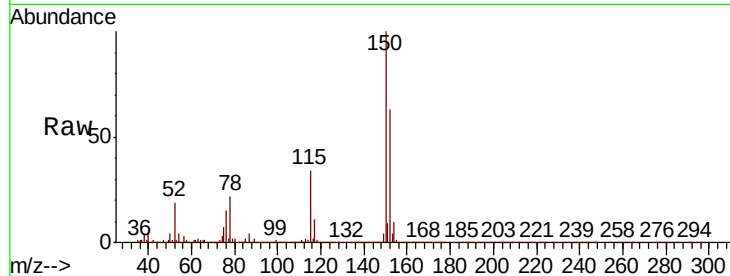




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013680.D
 Acq: 28 Nov 2019 03:08

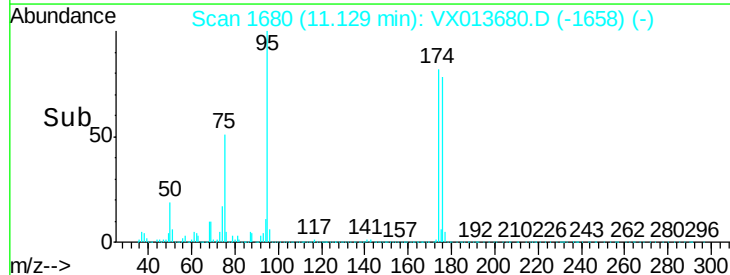
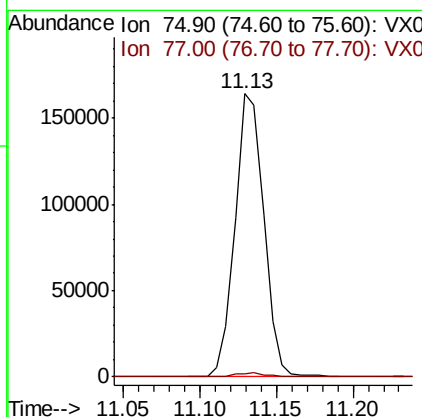
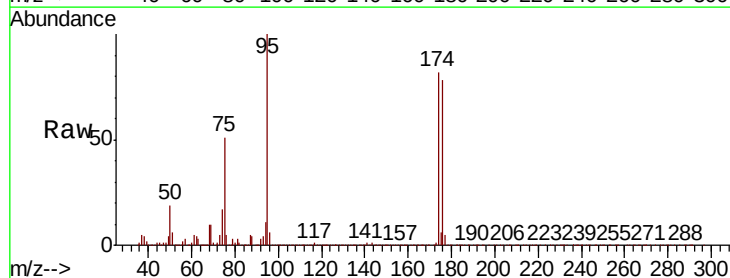
Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20191120

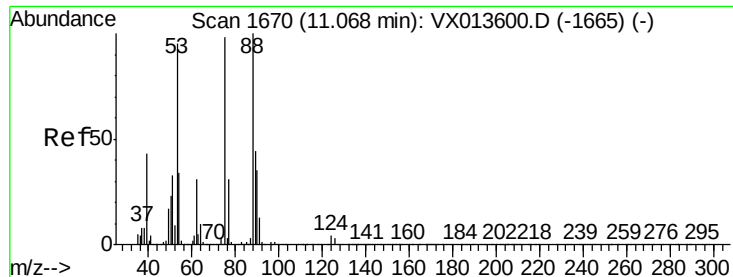
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.4	115.1
150	157.6	0.0	346.8



#76
 1,2,3-Trichloropropane
 Concen: 21.572 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013680.D
 Acq: 28 Nov 2019 03:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#

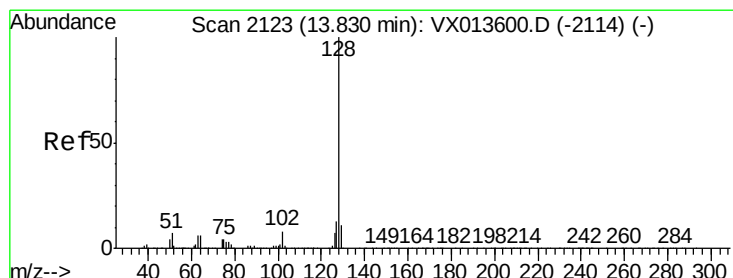
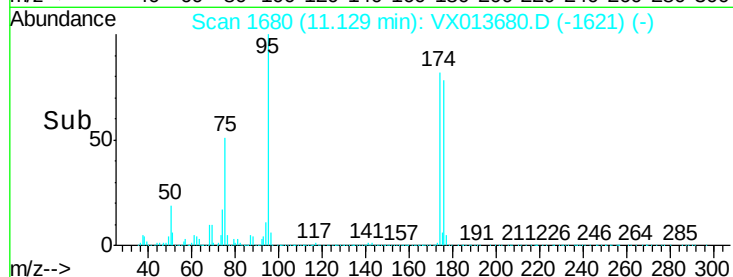
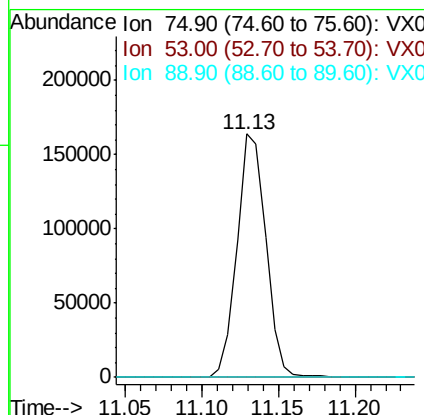
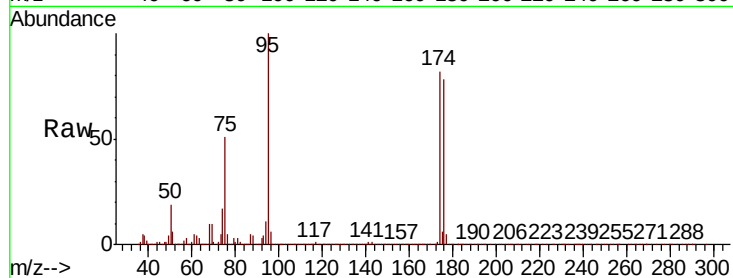




#81
trans-1,4-Dichloro-2-butene
Concen: 59.018 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013680.D
Acq: 28 Nov 2019 03:08

Instrument :
MSVOA_X
ClientSampleId :
22BR-20191120

Tot Ion: 75 Resp: 213827
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.2#
89 0.0 35.4 53.2#



#95
Naphthalene
Concen: 0.791 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013680.D
Acq: 28 Nov 2019 03:08

Tgt Ion: 128 Resp: 23602
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.7 13.1

