

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013662.D
 Acq On : 27 Nov 2019 19:21
 Operator : JC/SP
 Sample : K6027-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 03:33:36 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	660776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1046848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	923488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416378	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	379195	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	5.49	113	309807	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	8.71	98	1245308	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.14	95	413450	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	

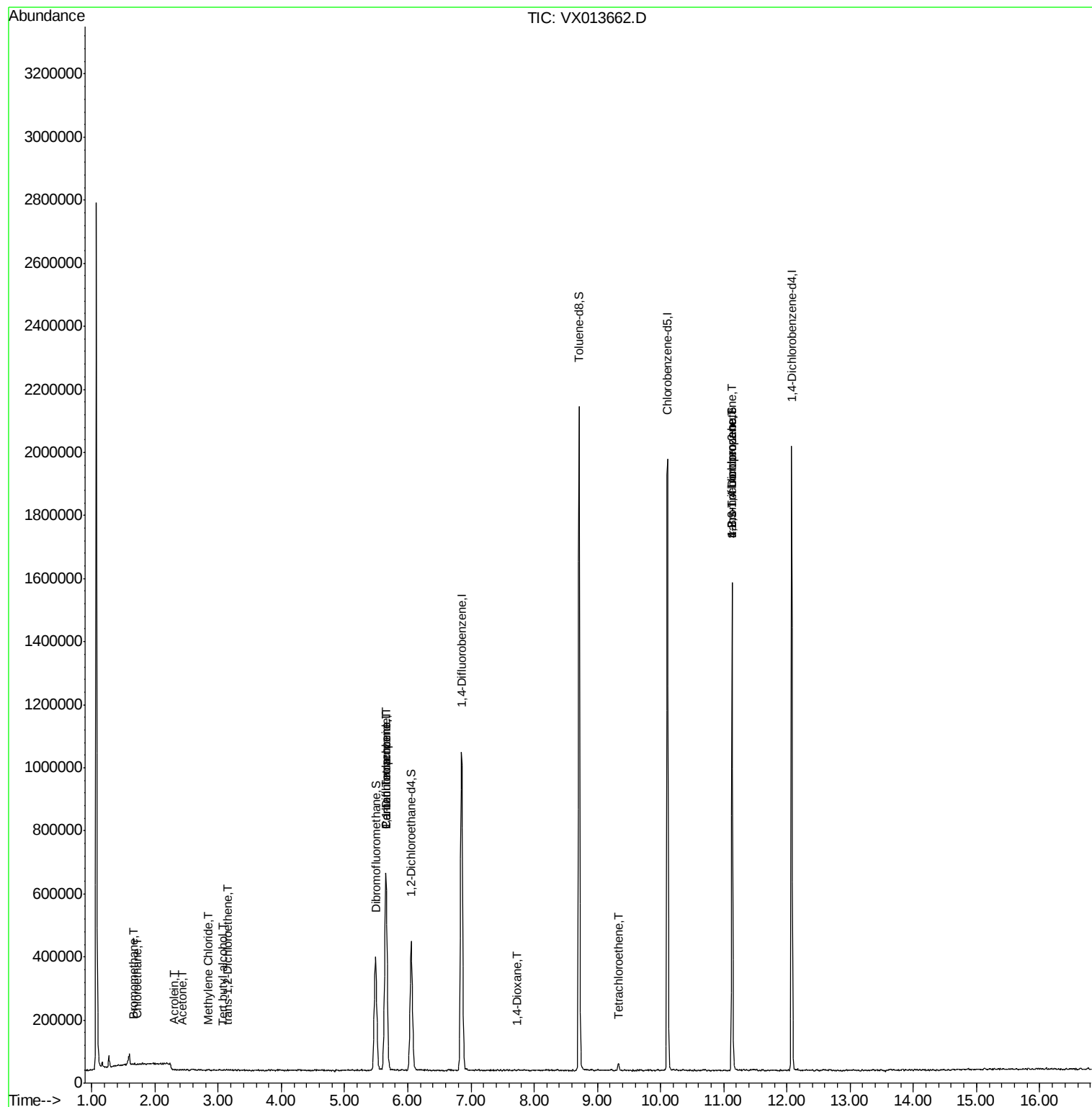
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1569	0.252	ug/l #	44
6) Chloroethane	1.72	64	1181	0.223	ug/l #	72
11) Tert butyl alcohol	3.08	59	382	0.202	ug/l #	1
13) Acrolein	2.30	56	561	6.436	ug/l #	1
16) Acetone	2.44	43	1770	0.467	ug/l #	54
20) Methylene Chloride	2.84	84	1678	0.231	ug/l #	66
21) trans-1,2-Dichloroethene	3.16	96	1405	0.205	ug/l #	52
36) 1,1-Dichloropropene	5.65	75	43348	4.562	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56477	6.445	ug/l #	15
49) 1,4-Dioxane	7.73	88	197	1.032	ug/l #	1
64) Tetrachloroethene	9.33	164	6003	0.872	ug/l #	91
76) 1,2,3-Trichloropropane	11.13	75	200216	21.379	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	200216	58.489	ug/l #	11

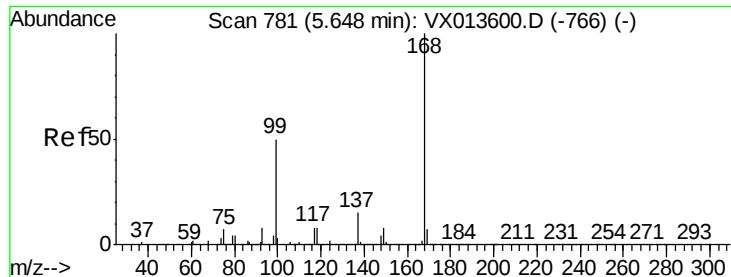
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013662.D

Acq: 27 Nov 2019 19:21

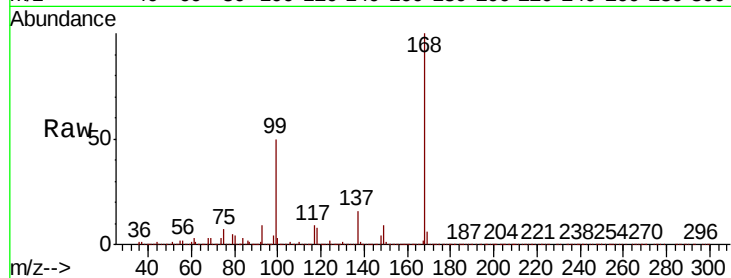
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 660776

Ion Ratio Lower Upper

168 100

99 50.3 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

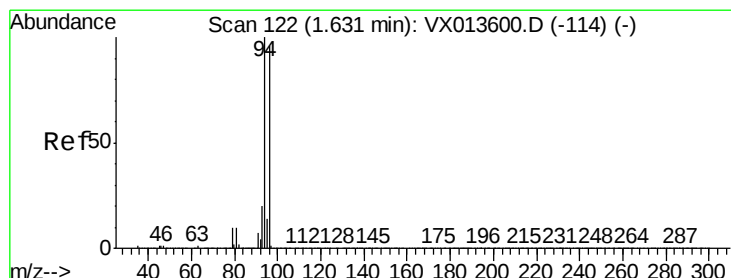
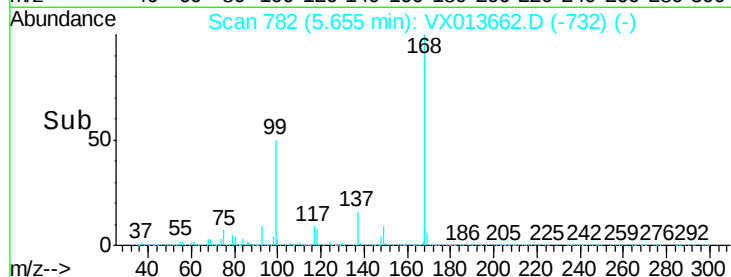
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.252 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX013662.D

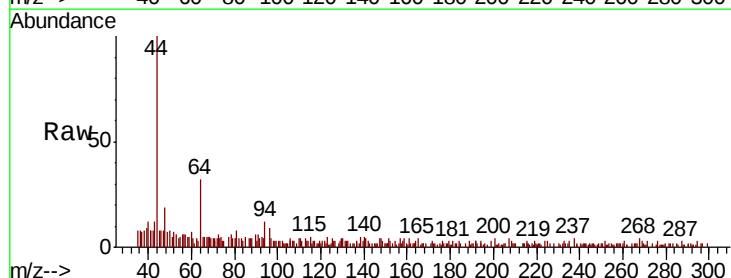
Acq: 27 Nov 2019 19:21

Tgt Ion: 94 Resp: 1569

Ion Ratio Lower Upper

94 100

96 41.7 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

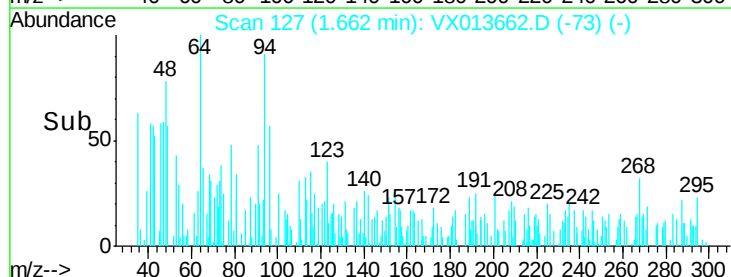
400

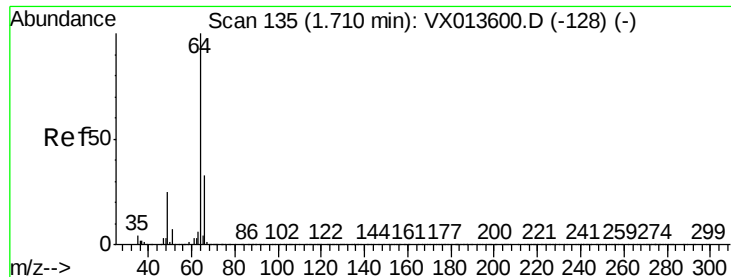
200

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.223 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

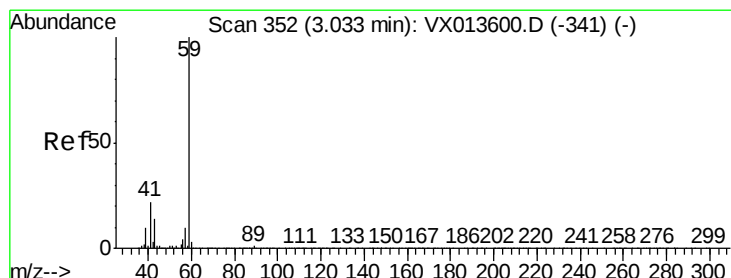
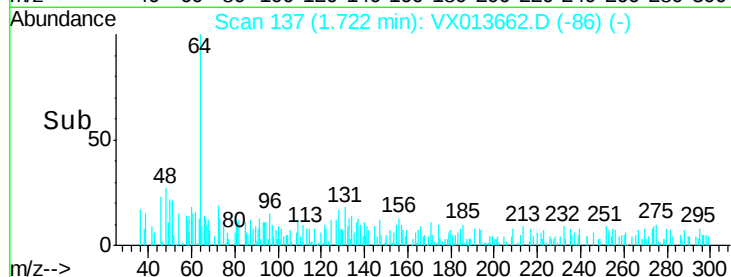
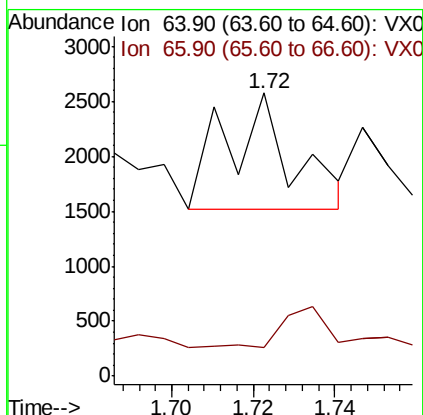
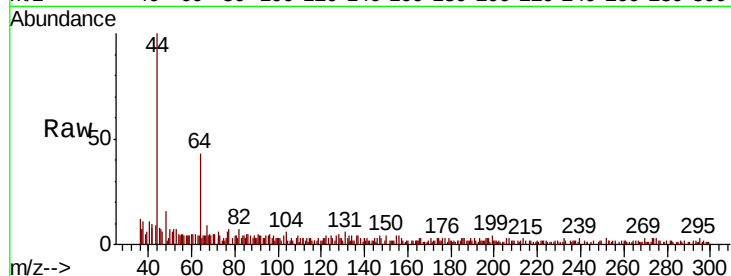
ClientSampled :

Tot Ion: 64 Resp: 1181

Ion Ratio Lower Upper

64 100

66 17.8 26.7 40.1#



#11

Tert butyl alcohol

Concen: 0.202 ug/l

RT: 3.08 min Scan# 359

Delta R.T. 0.04 min

Lab File: VX013662.D

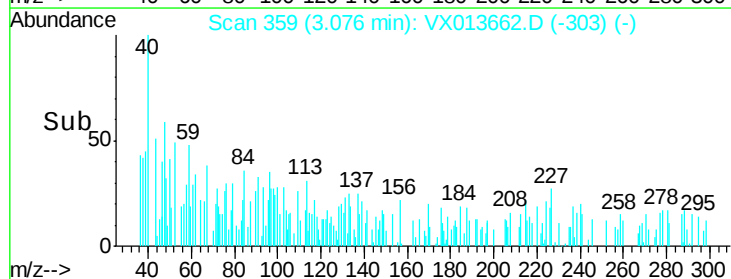
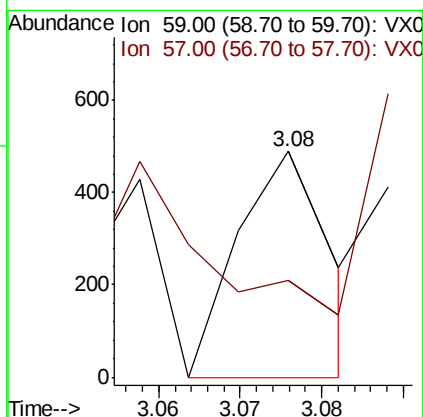
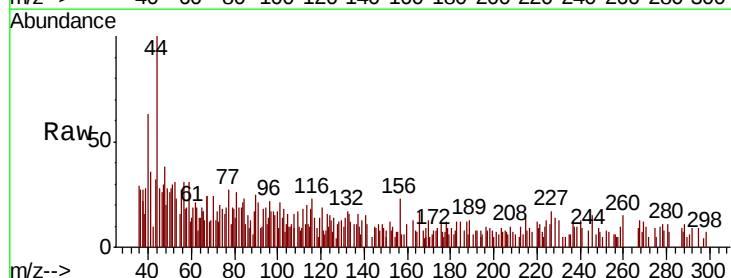
Acq: 27 Nov 2019 19:21

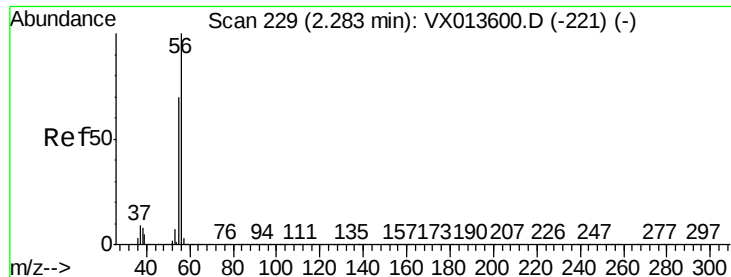
Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

59 100

57 51.0 7.8 11.6#





#13

Acrolein

Concen: 6.436 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

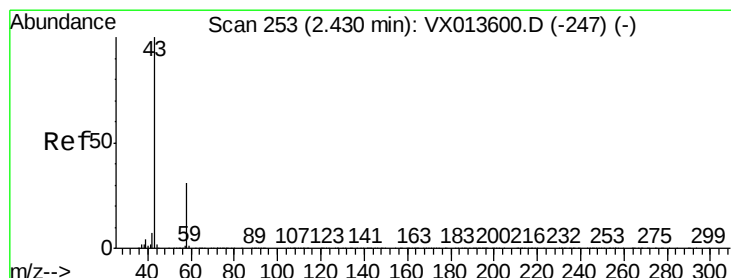
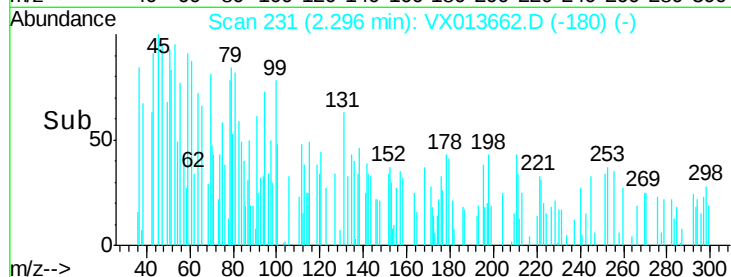
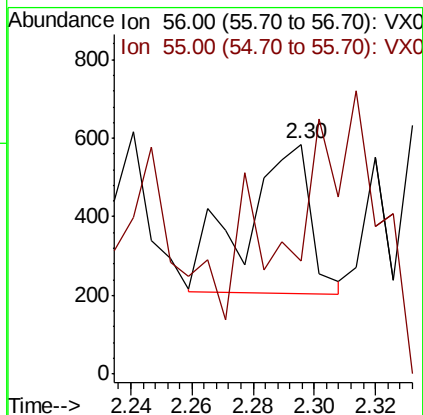
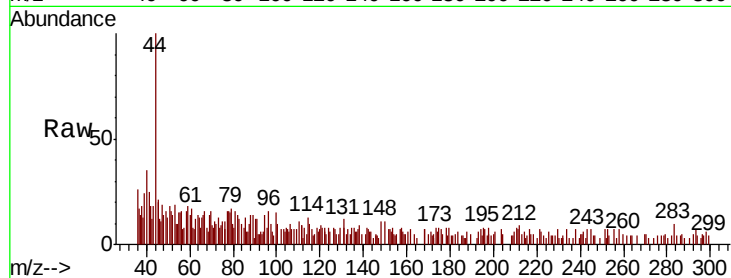
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 561

Ion Ratio Lower Upper

56 100

55 169.7 56.2 84.4#



#16

Acetone

Concen: 0.467 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013662.D

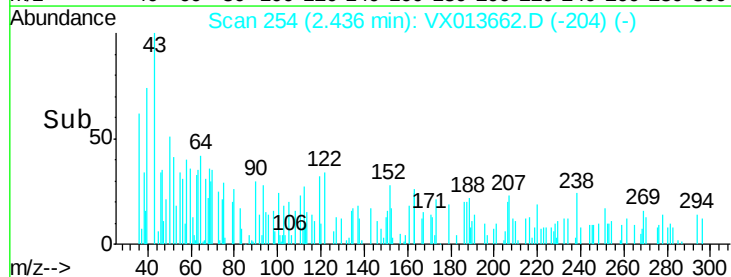
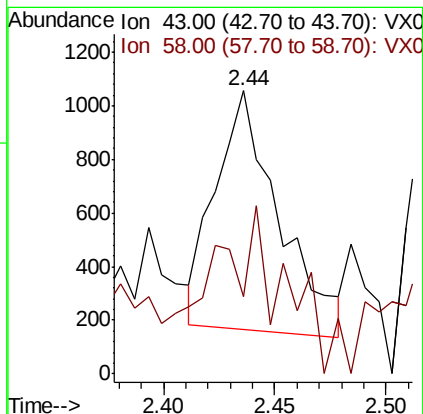
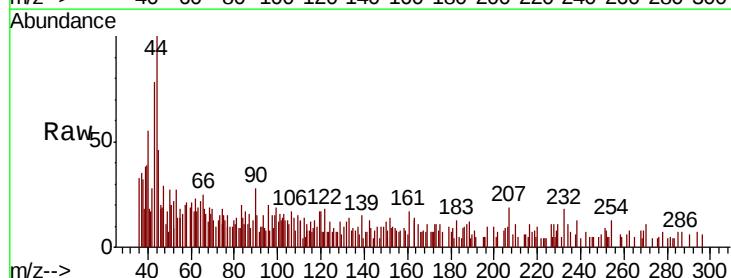
Acq: 27 Nov 2019 19:21

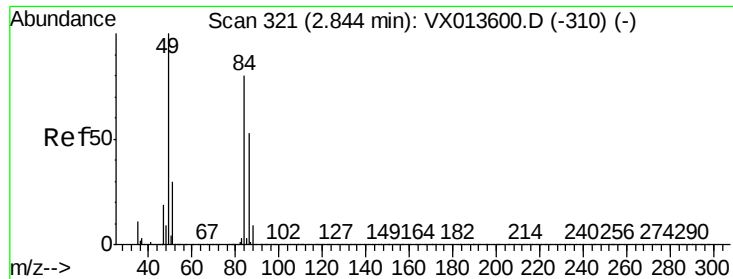
Tgt Ion: 43 Resp: 1770

Ion Ratio Lower Upper

43 100

58 5.3 24.6 36.8#

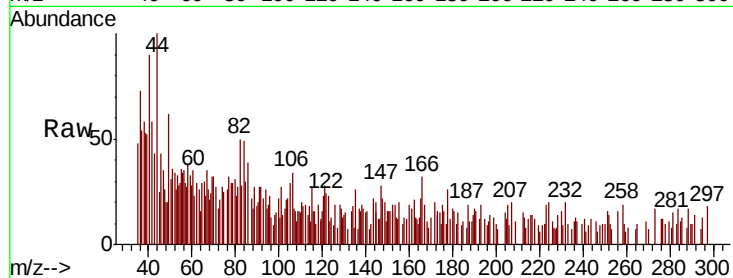




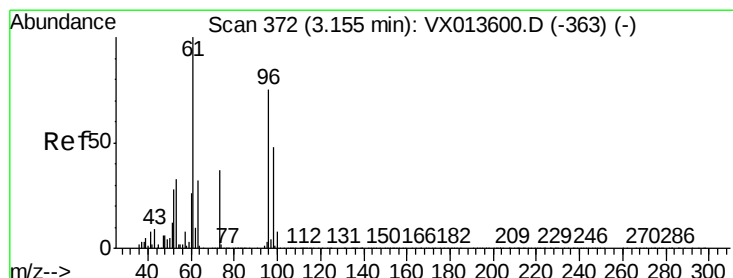
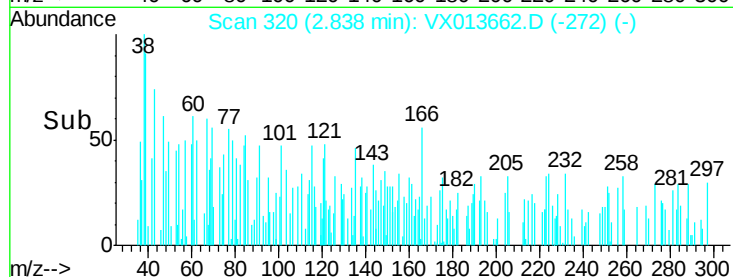
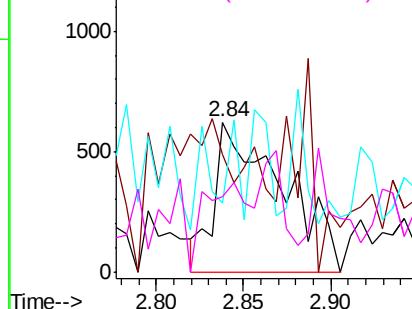
#20
Methvlene Chloride
Concen: 0.231 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX013662.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 1678
Ion Ratio Lower Upper
84 100
49 62.6 99.7 149.5#
51 23.8 29.9 44.9#
86 64.5 52.2 78.4

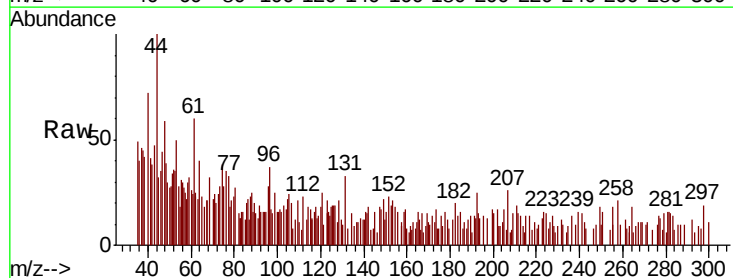


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

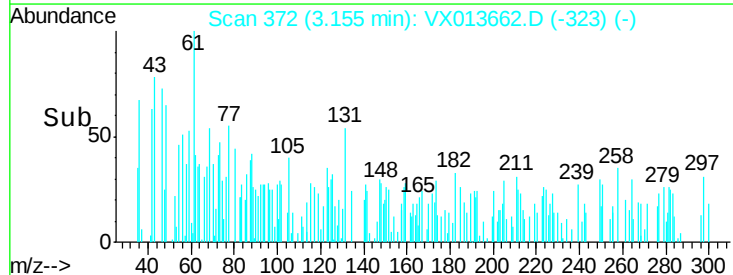
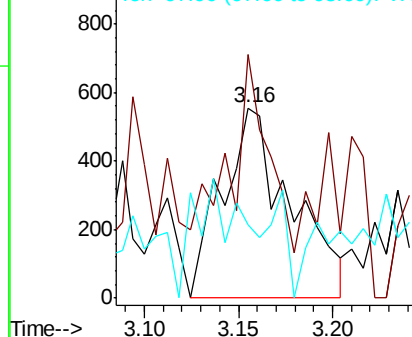


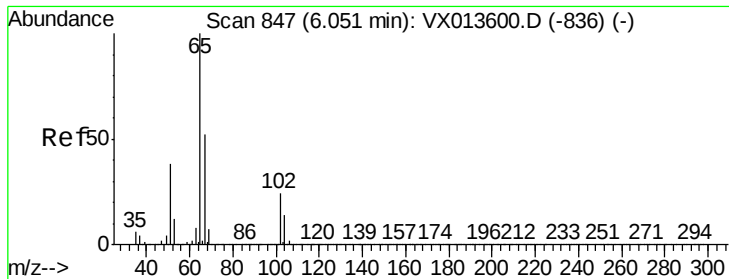
#21
trans-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013662.D
Acq: 27 Nov 2019 19:21

Tgt Ion: 96 Resp: 1405
Ion Ratio Lower Upper
96 100
61 93.7 107.2 160.8#
98 3.4 51.4 77.0#



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





#33

1,2-Dichloroethane-d4

Concen: 49.438 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

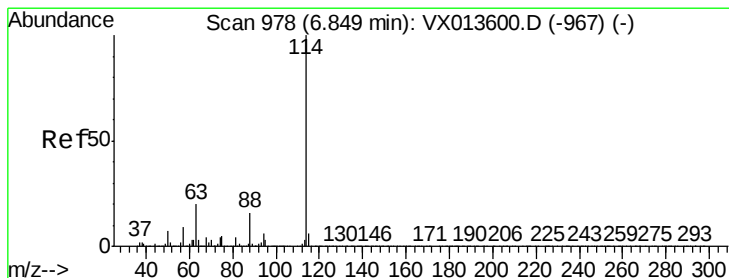
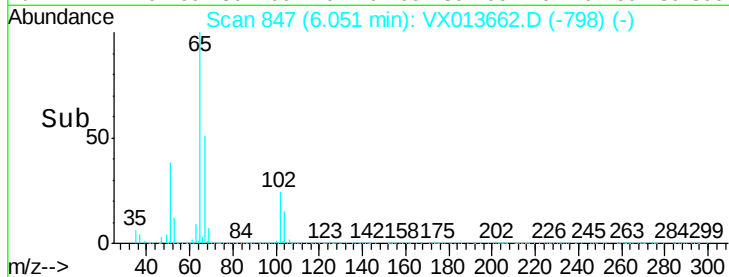
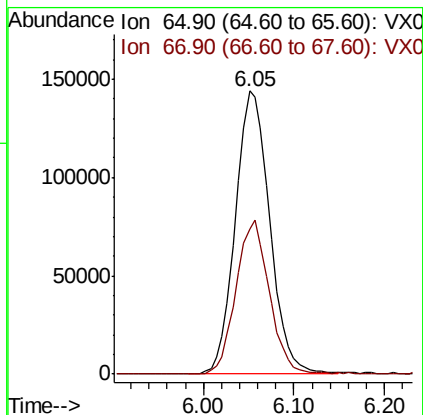
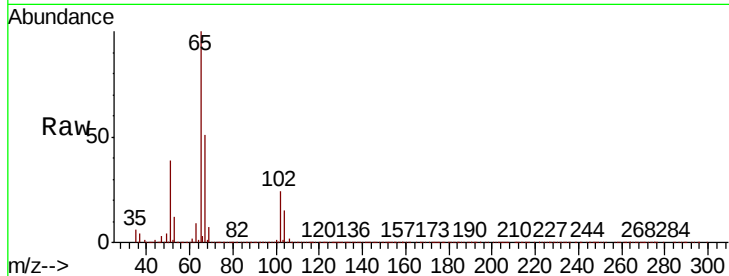
ClientSampleId :

Tot Ion: 65 Resp: 379195

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

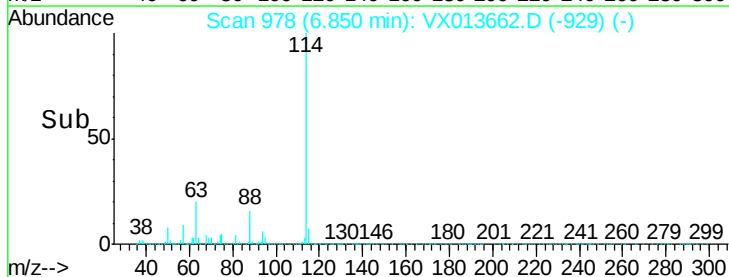
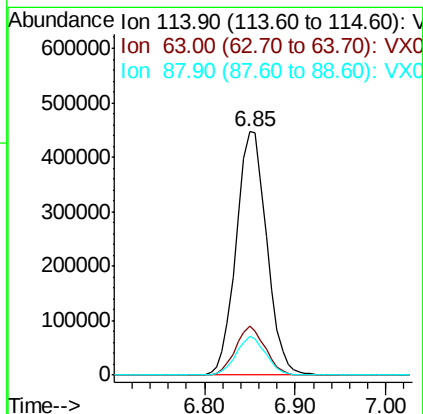
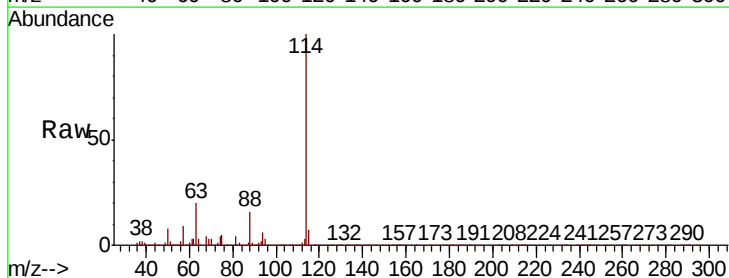
Tgt Ion: 114 Resp: 1046848

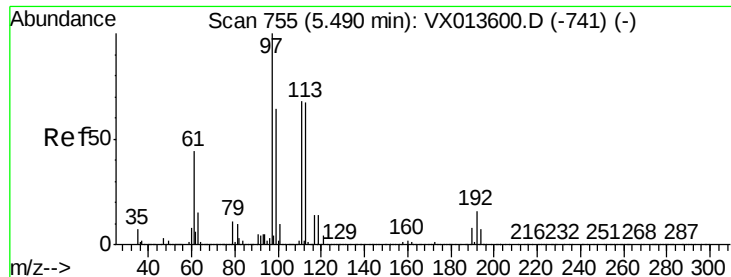
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.871 ug/l

RT: 5.49 min Scan# 755

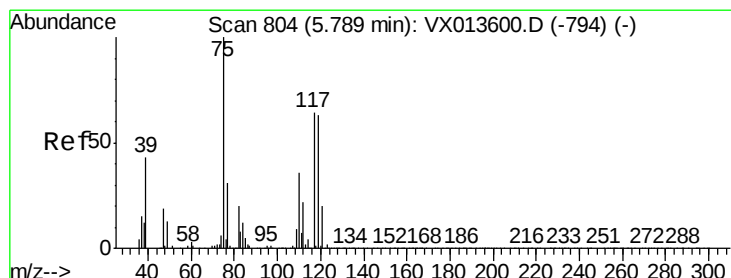
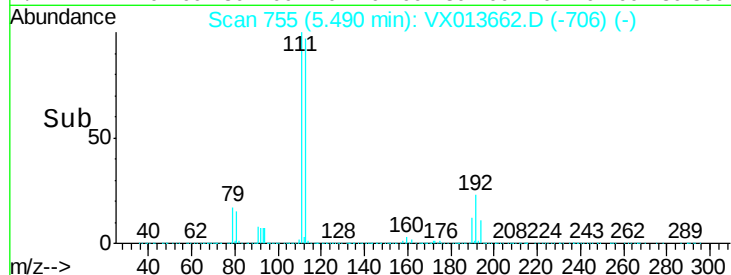
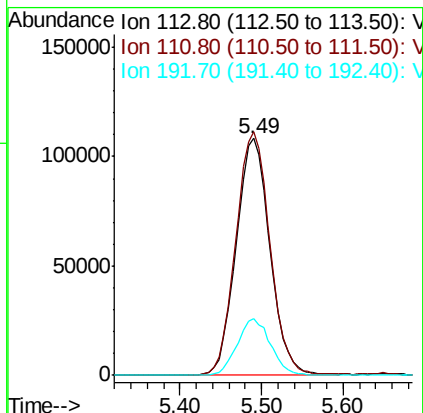
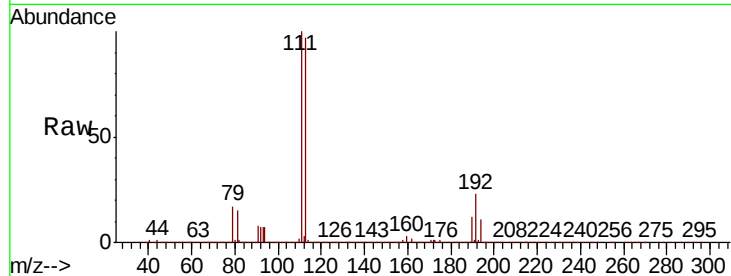
Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	309807
Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.6	125.4
192	23.7	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.562 ug/l

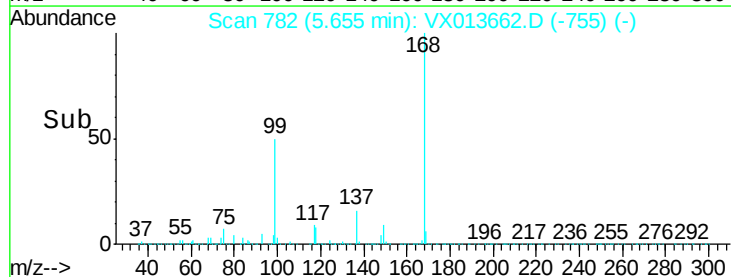
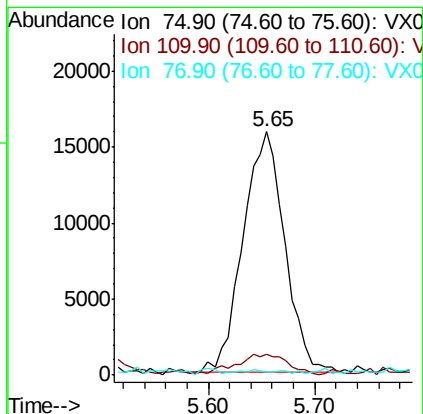
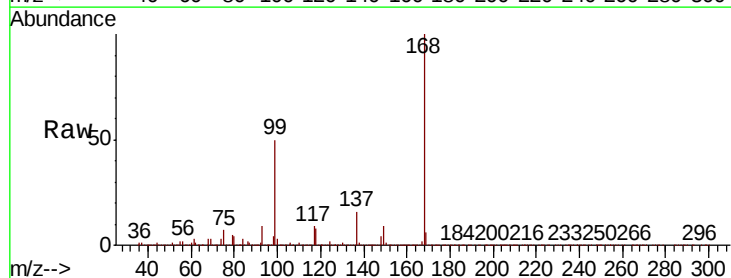
RT: 5.65 min Scan# 782

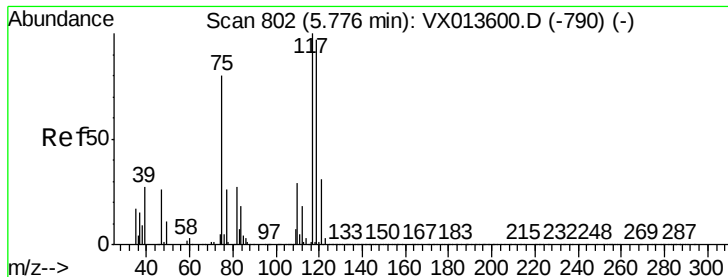
Delta R.T. -0.13 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Tgt Ion:	75	Resp:	43348
Ion	Ratio	Lower	Upper
75	100		
110	11.1	18.1	54.1#
77	0.4	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.445 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

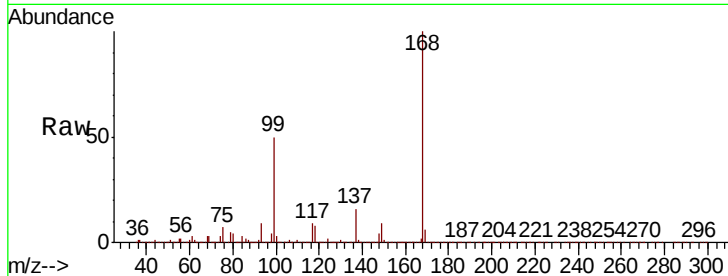
Tot Ion:117 Resp: 56477

Ion Ratio Lower Upper

117 100

119 4.6 77.5 116.3#

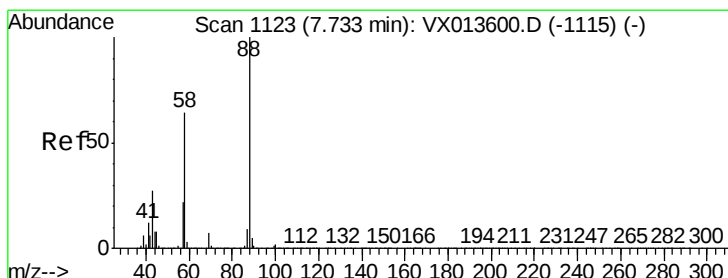
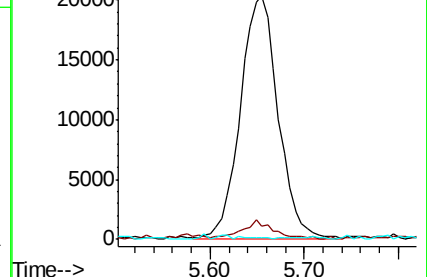
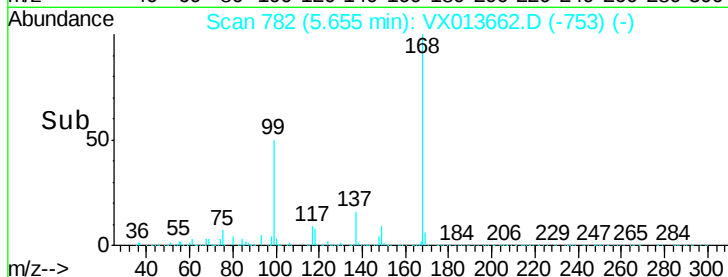
121 0.6 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 1.032 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

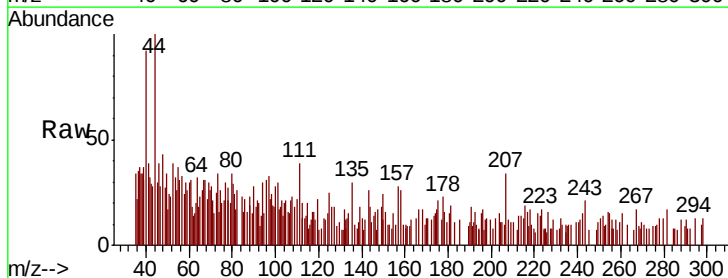
Tgt Ion: 88 Resp: 197

Ion Ratio Lower Upper

88 100

43 156.9 25.8 38.6#

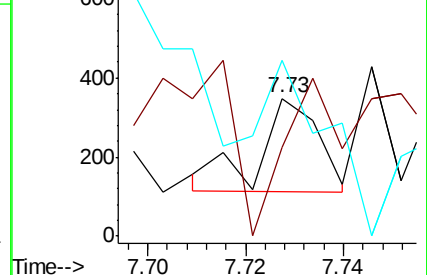
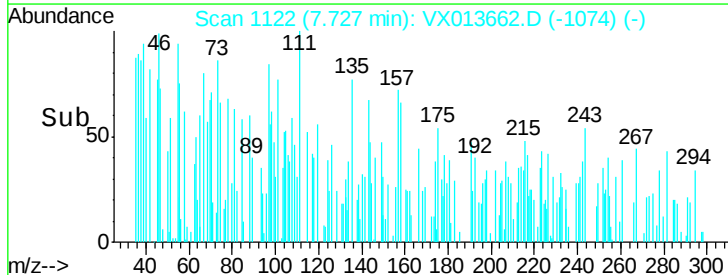
58 184.3 54.6 82.0#

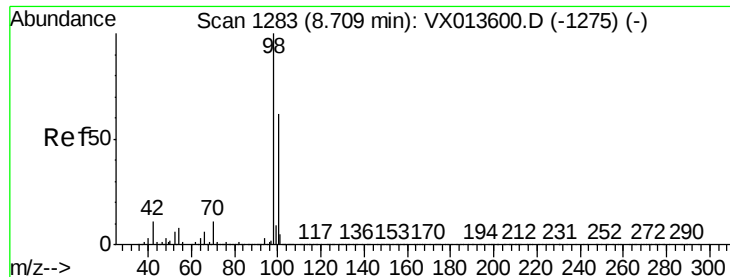


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.388 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

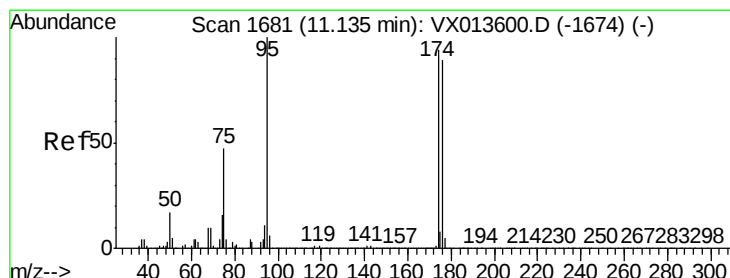
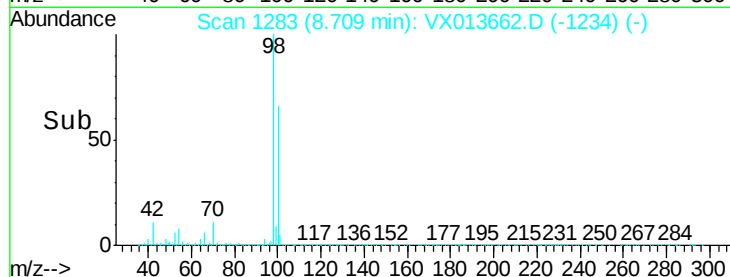
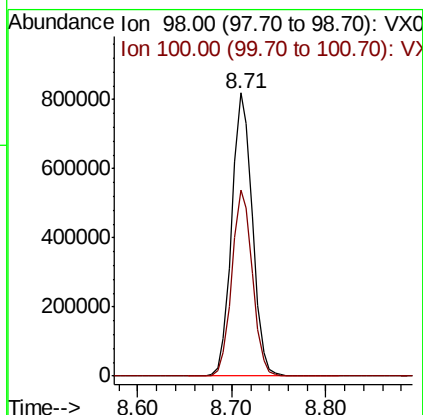
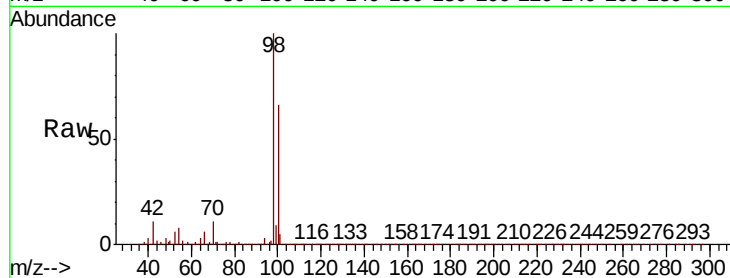
ClientSampleId :

Tot Ion: 98 Resp: 1245308

Ion Ratio Lower Upper

98 100

100 65.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.472 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

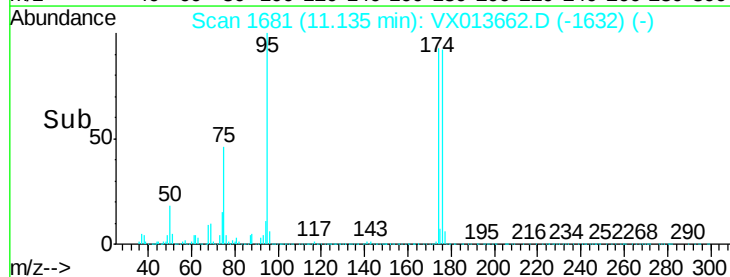
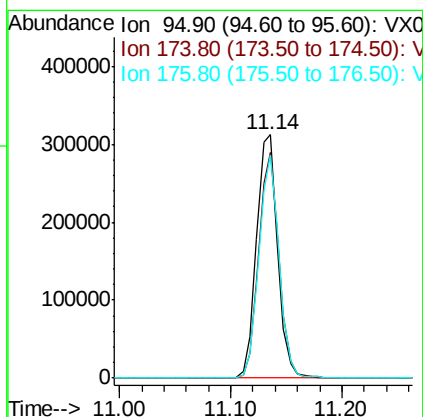
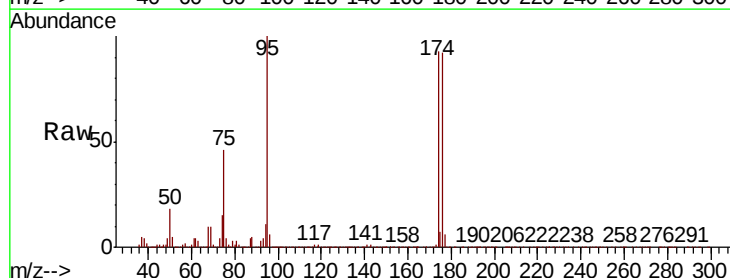
Tgt Ion: 95 Resp: 413450

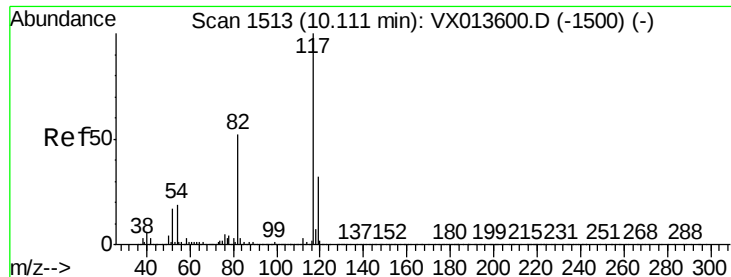
Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.0

176 88.1 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: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

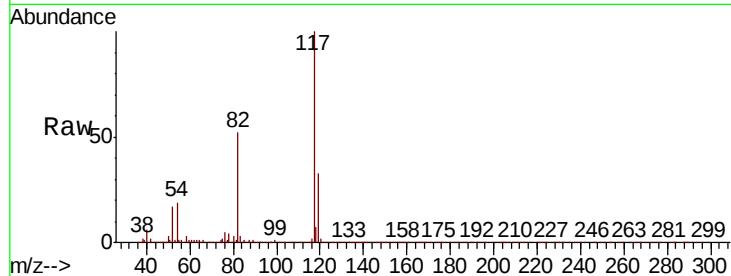
Tot Ion:117 Resp: 923488

Ion Ratio Lower Upper

117 100

82 52.0 41.8 62.8

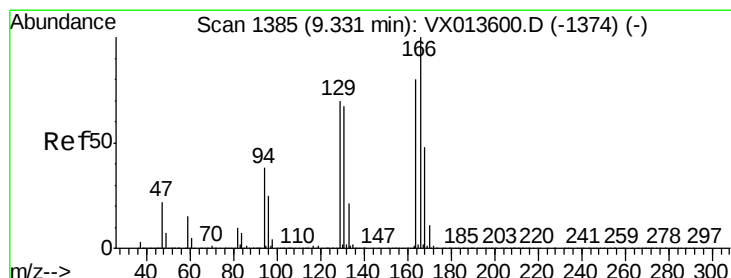
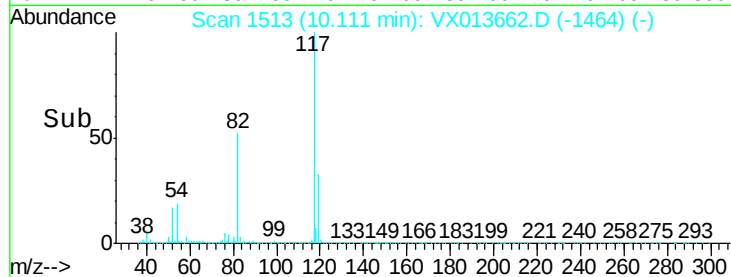
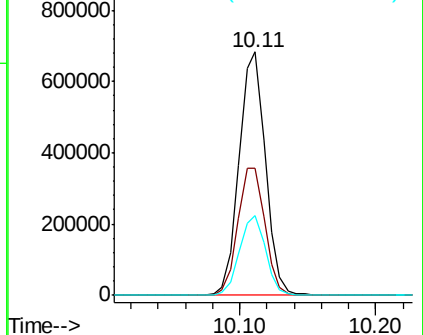
119 32.7 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.872 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Tgt Ion:164 Resp: 6003

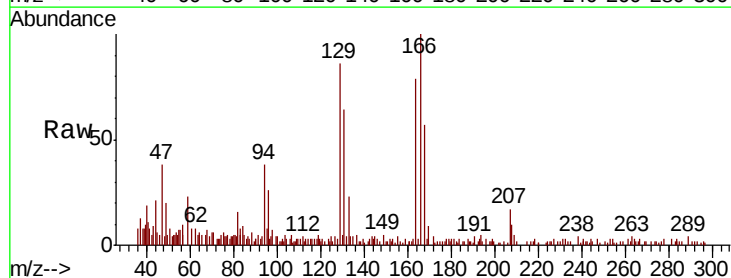
Ion Ratio Lower Upper

164 100

166 126.9 99.7 149.5

129 106.0 70.1 105.1#

131 76.7 66.9 100.3

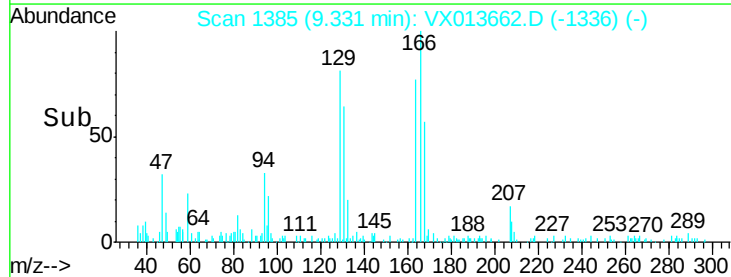
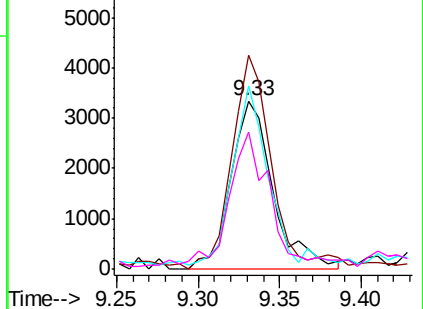


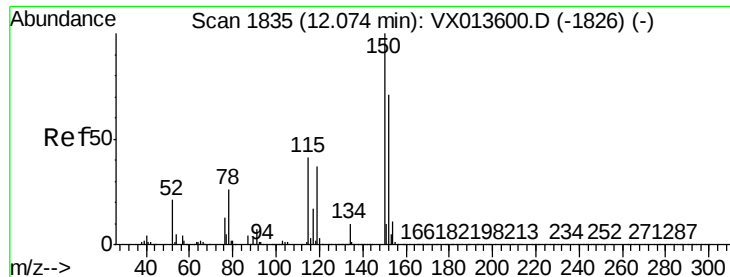
Abundance Ion 163.80 (163.50 to 164.50): V

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



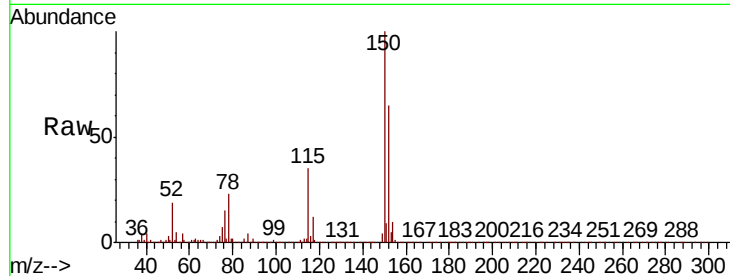


#72

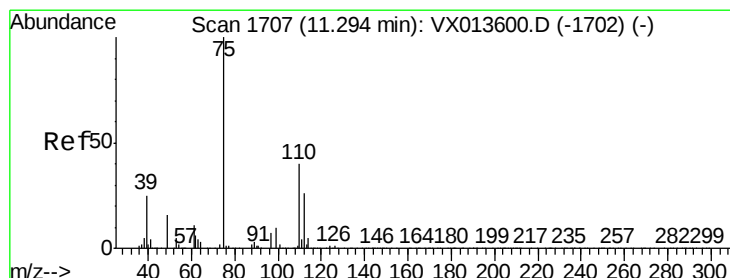
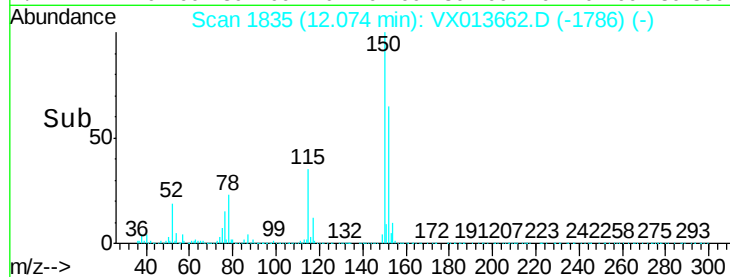
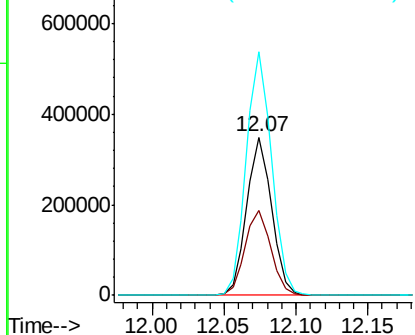
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013662.D
Acq: 27 Nov 2019 19:21

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.4	115.1
150	157.4	0.0	346.8



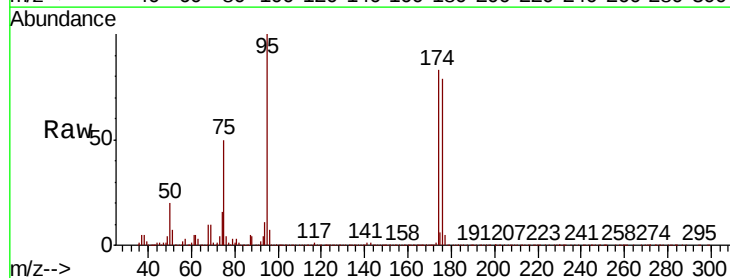
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



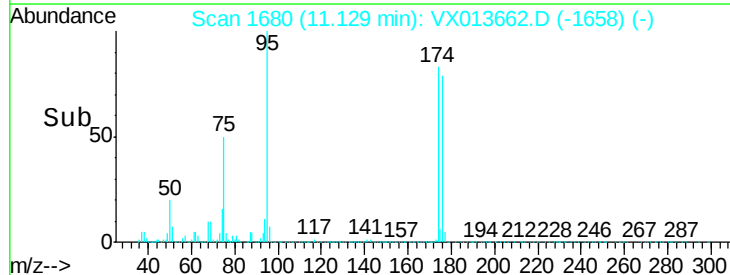
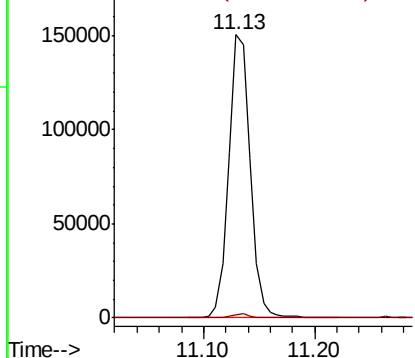
#76

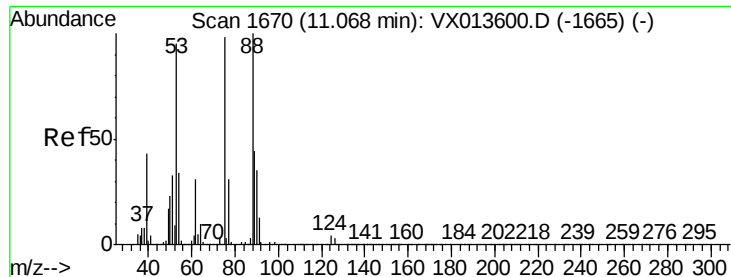
1,2,3-Trichloropropane
Concen: 21.379 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013662.D
Acq: 27 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 58.489 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013662.D

Acq: 27 Nov 2019 19:21

Instrument :

MSVOA_X

ClientSampleId :

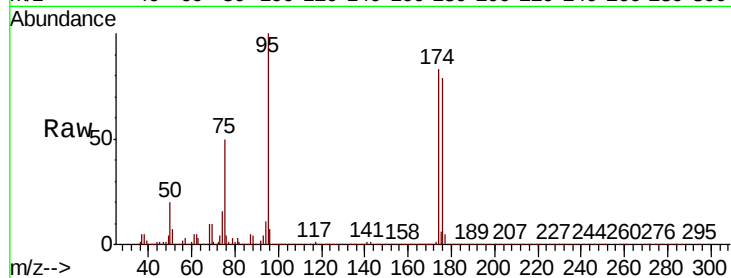
Tot Ion: 75 Resp: 200216

Ion Ratio Lower Upper

75 100

53 0.2 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

