

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013633.D
 Acq On : 27 Nov 2019 05:25
 Operator : JC/SP
 Sample : K6002-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 06:23:13 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	663474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1051525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	927412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	408621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	381252	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
35) Dibromofluoromethane	5.49	113	318996	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	1249116	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.14	95	413010	45.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.44%	

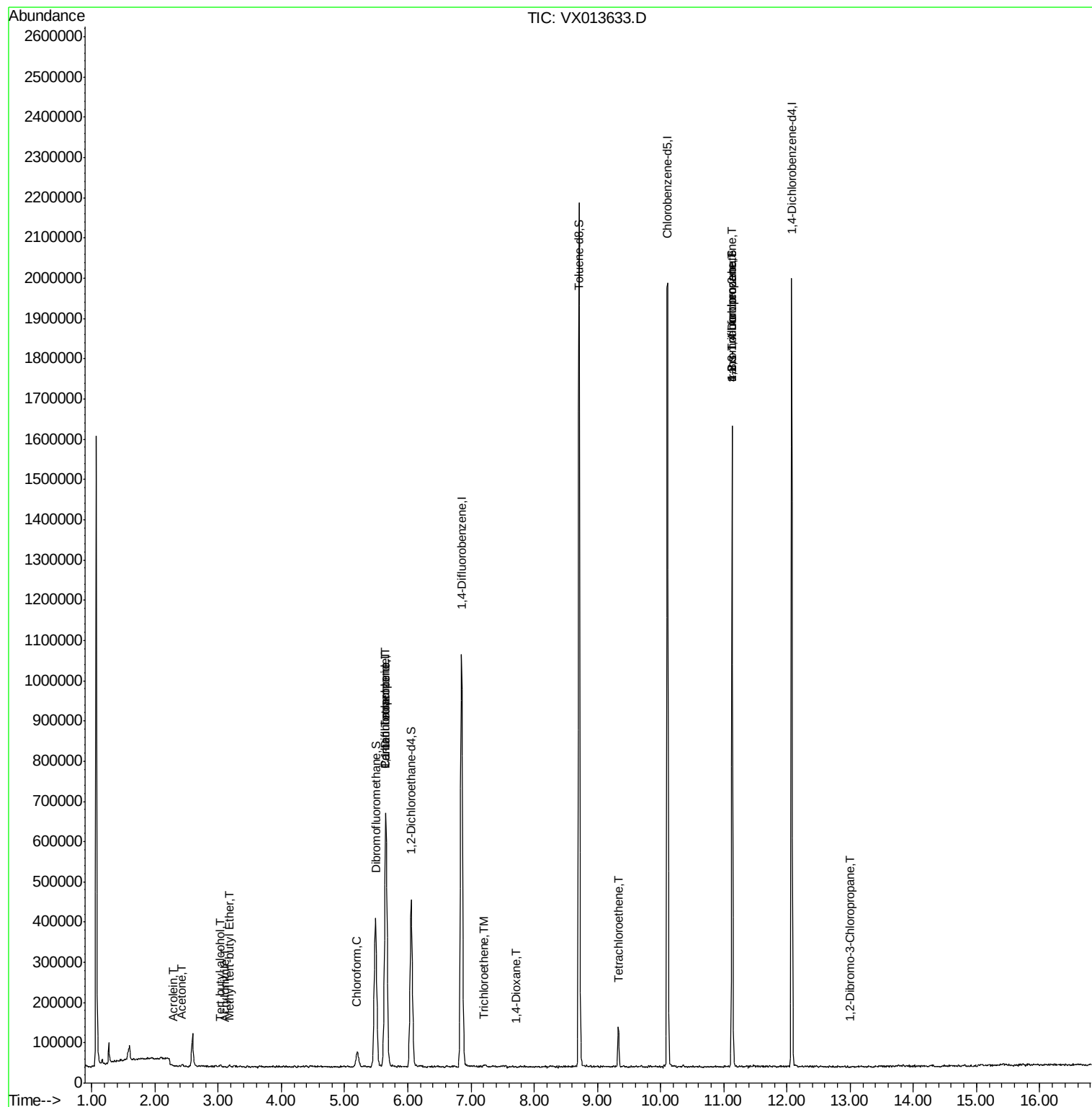
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	2443	1.285	ug/l #	42
13) Acrolein	2.30	56	484	6.375	ug/l #	15
15) Acrylonitrile	3.10	53	957	0.244	ug/l #	38
16) Acetone	2.43	43	5802	1.526	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	5138	0.246	ug/l	91
30) Chloroform	5.20	83	46491	3.801	ug/l	97
36) 1,1-Dichloropropene	5.65	75	43989	4.608	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56916	6.467	ug/l #	16
44) Trichloroethene	7.20	130	2117	0.265	ug/l	75
49) 1,4-Dioxane	7.72	88	609	3.176	ug/l #	55
64) Tetrachloroethene	9.33	164	20170	2.916	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	200036	21.765	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	200036	59.546	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	716	0.331	ug/l #	12

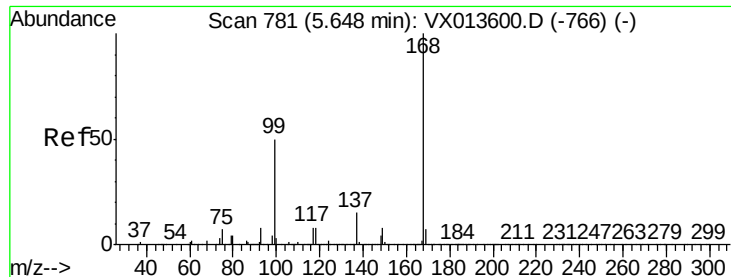
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Instrument :

MSVOA_X

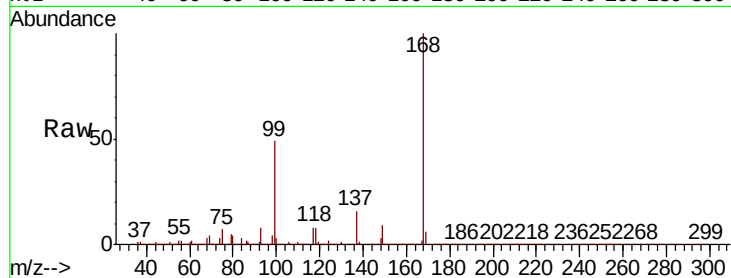
ClientSampleId :

Tot Ion:168 Resp: 663474

Ion Ratio Lower Upper

168 100

99 49.0 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

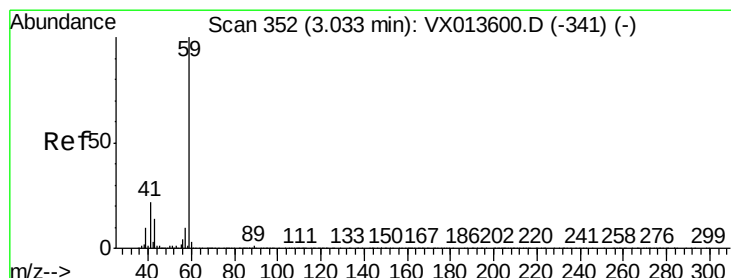
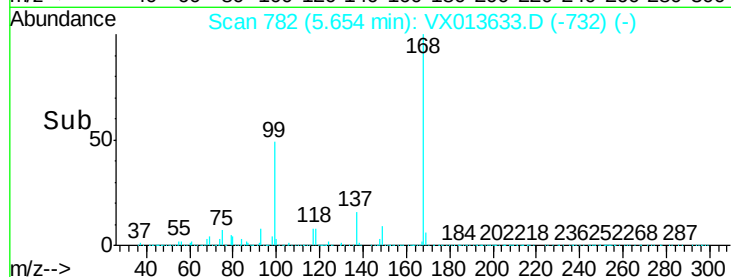
Time-->

5.50

5.60

5.70

5.80



#11

Tert butyl alcohol

Concen: 1.285 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013633.D

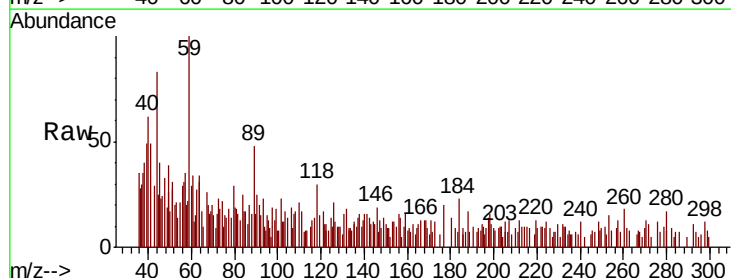
Acq: 27 Nov 2019 05:25

Tgt Ion: 59 Resp: 2443

Ion Ratio Lower Upper

59 100

57 30.9 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1200

1000

800

600

400

200

0

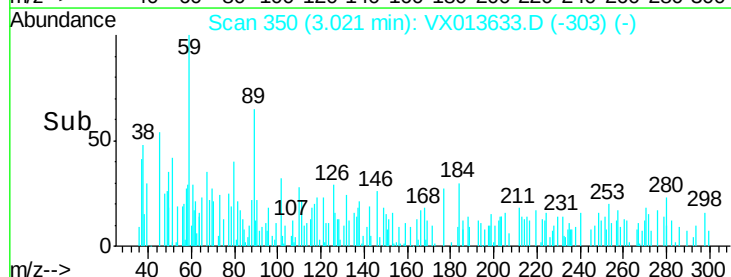
Time-->

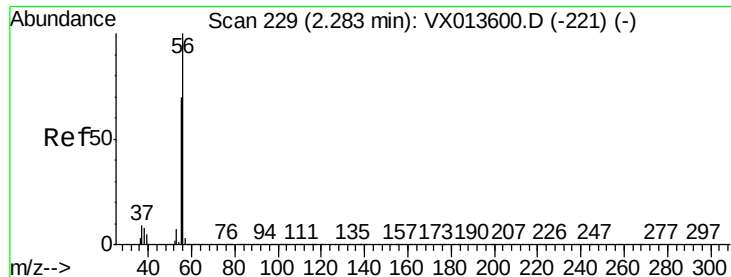
2.95

3.00

3.05

3.10

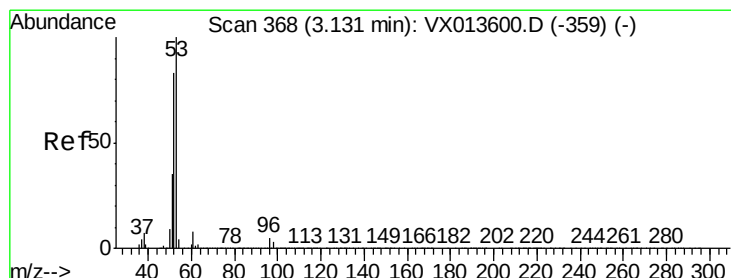
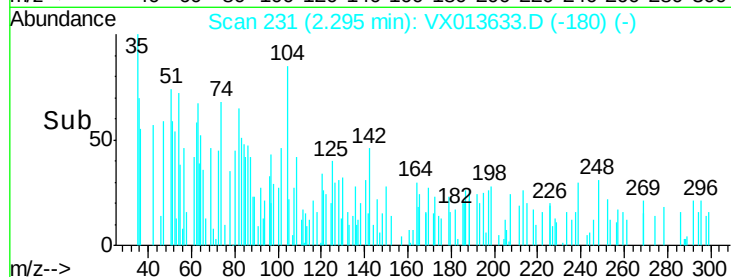
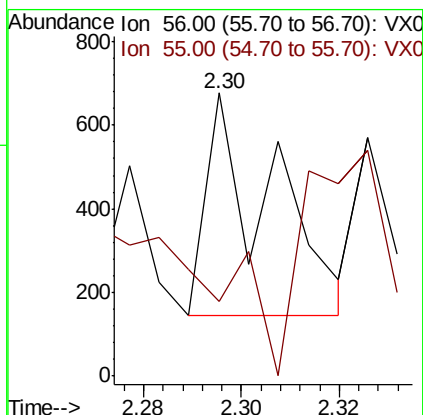
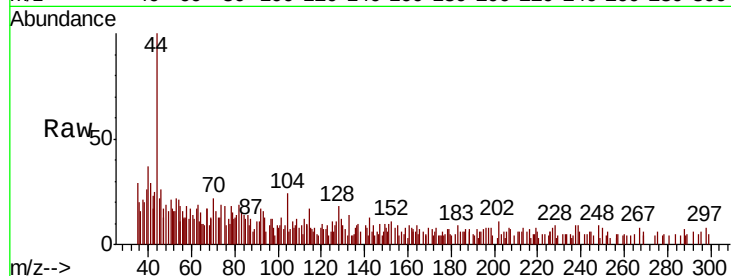




#13
Acrolein
Concen: 6.375 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

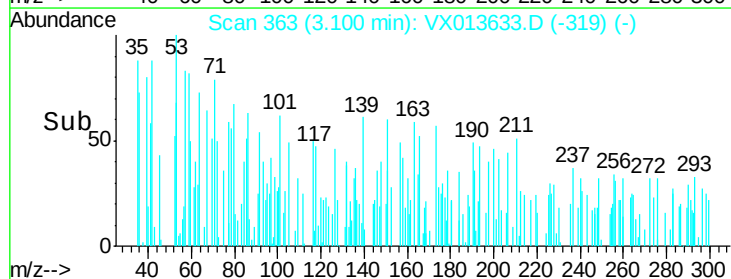
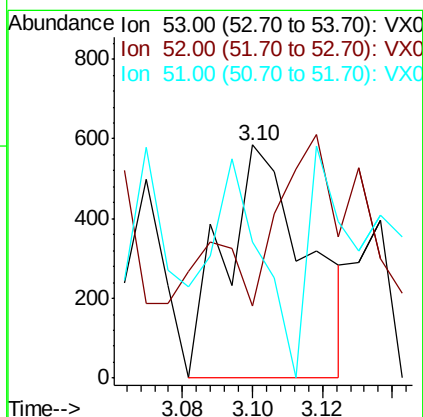
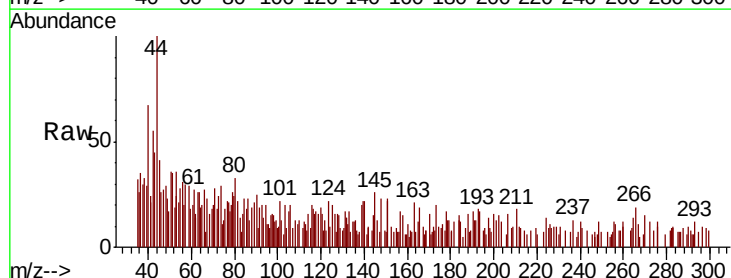
Instrument :
MSVOA_X
ClientSampled :

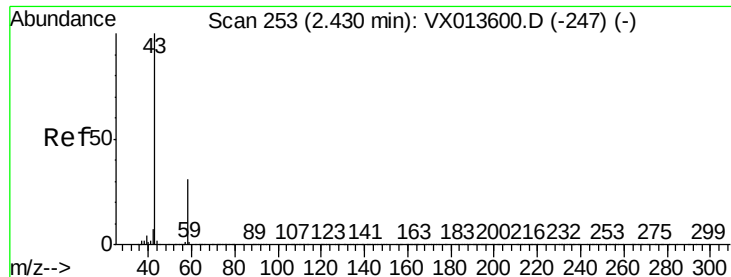
Tot Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#15
Acrylonitrile
Concen: 0.244 ug/l
RT: 3.10 min Scan# 363
Delta R.T. -0.03 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

Tgt Ion: 53 Resp: 957
Ion Ratio Lower Upper
53 100
52 14.9 66.2 99.2#
51 55.4 29.0 43.6#

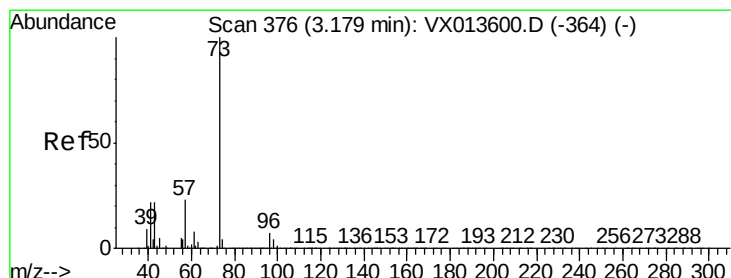
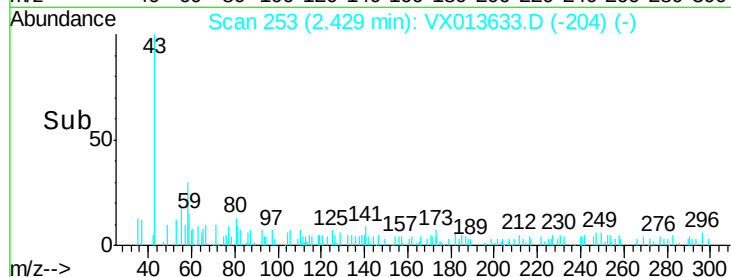
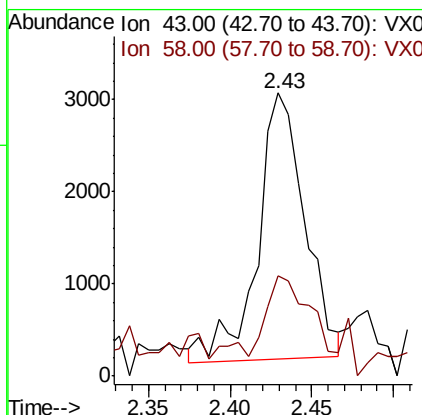
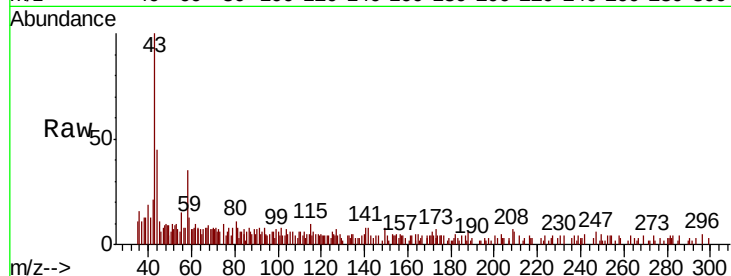




#16
Acetone
Concen: 1.526 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

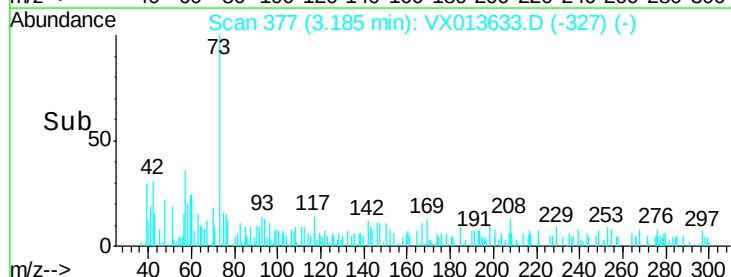
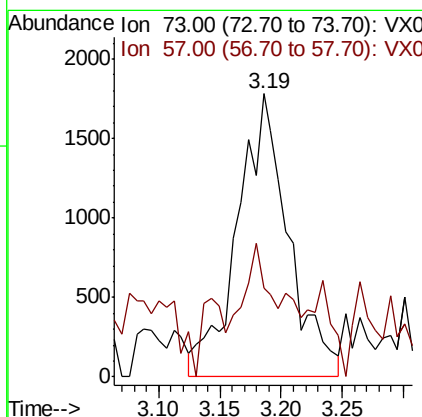
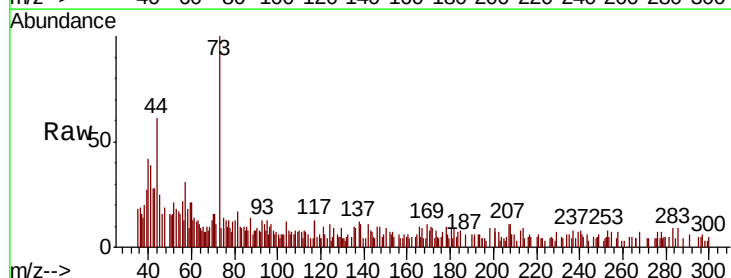
Instrument :
MSVOA_X
ClientSampleId :

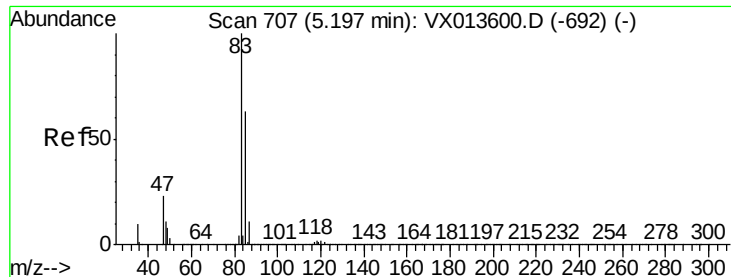
Tot Ion: 43 Resp: 5802
Ion Ratio Lower Upper
43 100
58 29.6 24.6 36.8



#19
Methyl tert-butyl Ether
Concen: 0.246 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

Tgt Ion: 73 Resp: 5138
Ion Ratio Lower Upper
73 100
57 18.4 18.3 27.5

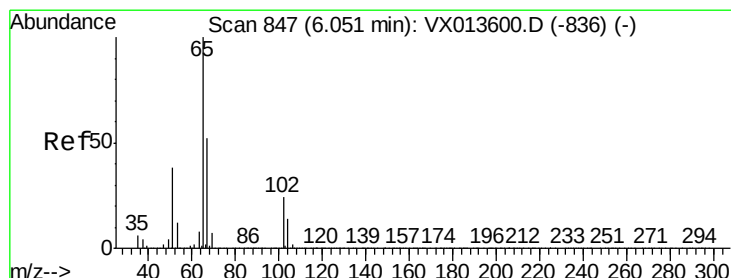
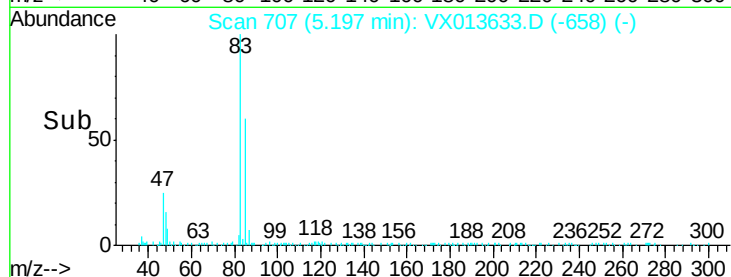
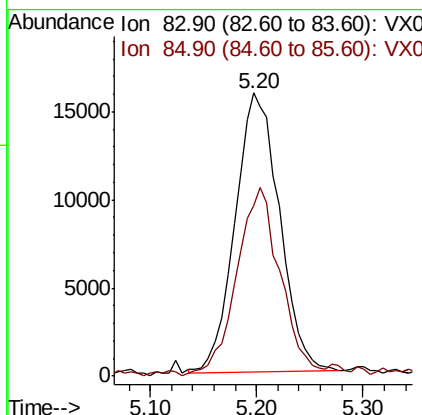
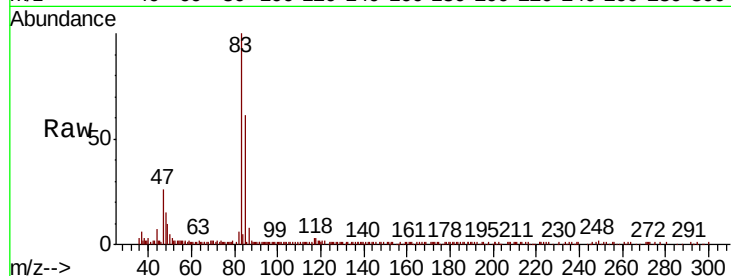




#30
Chloroform
Concen: 3.801 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

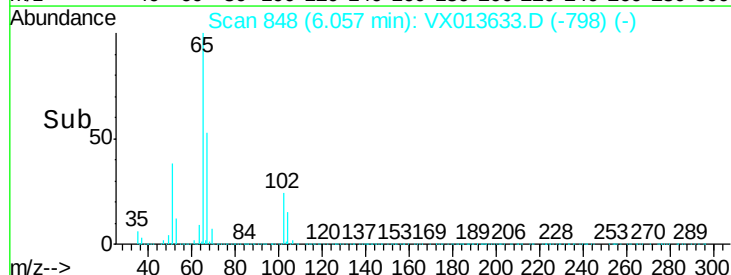
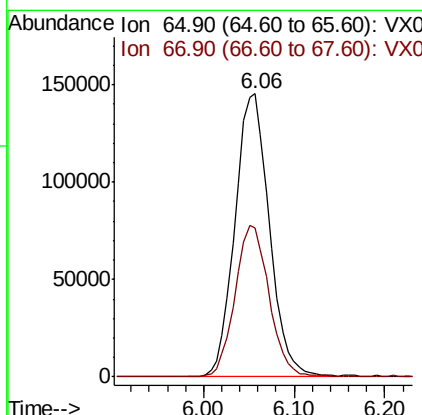
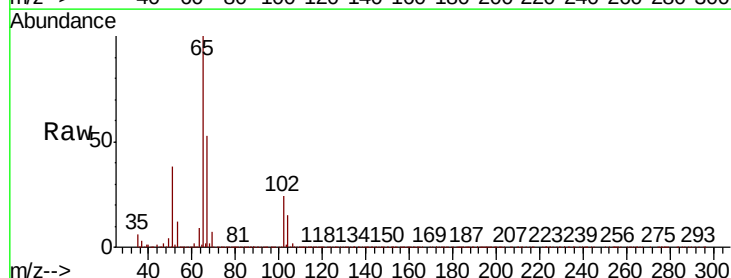
Instrument :
MSVOA_X
ClientSampleId :

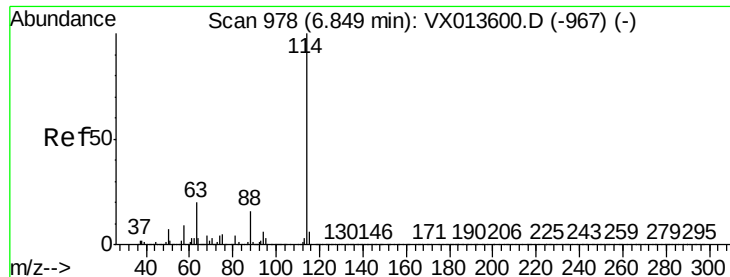
Tot Ion: 83 Resp: 46491
Ion Ratio Lower Upper
83 100
85 60.6 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.504 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

Tgt Ion: 65 Resp: 381252
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.4

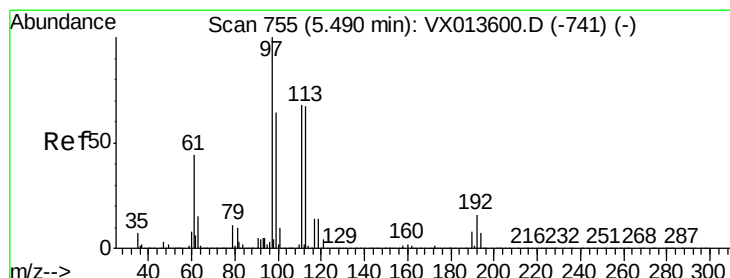
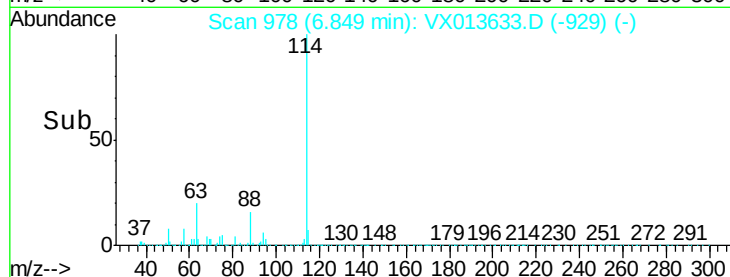
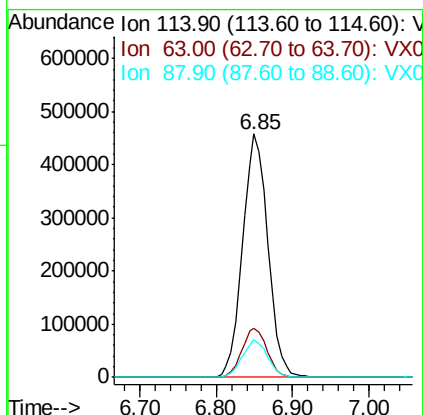
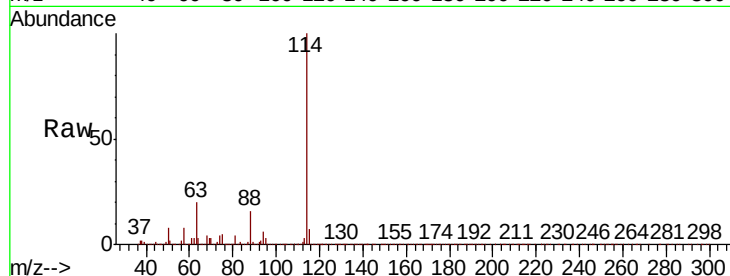




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

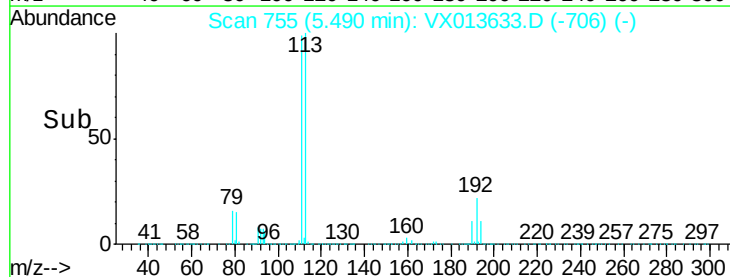
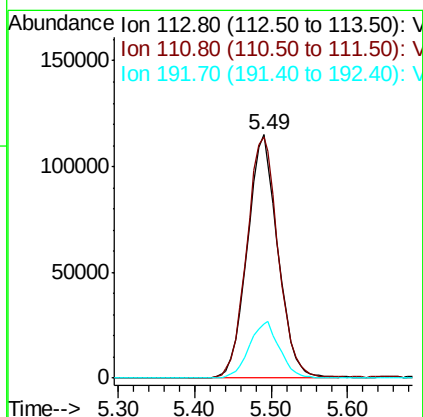
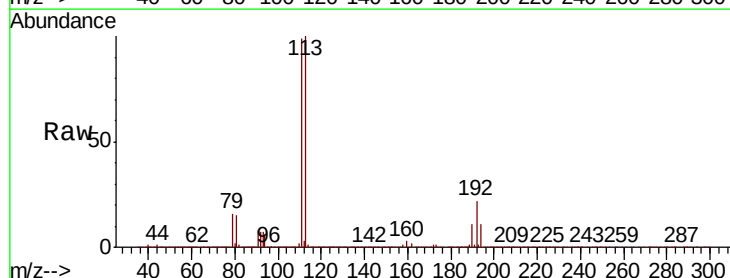
Instrument :
MSVOA_X
ClientSampleId :

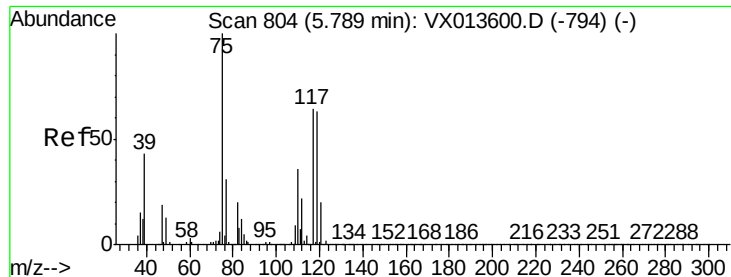
Tot Ion:114 Resp: 1051525
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.071 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

Tgt Ion:113 Resp: 318996
Ion Ratio Lower Upper
113 100
111 101.9 83.6 125.4
192 23.4 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Instrument :

MSVOA_X

ClientSampleId :

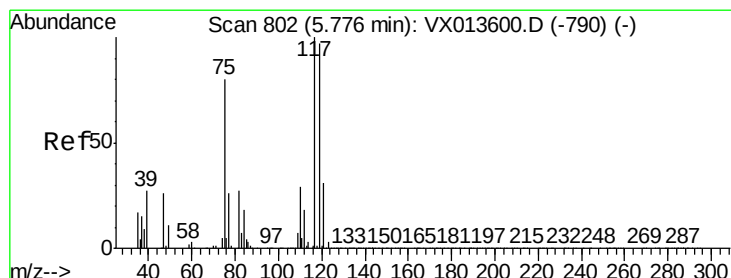
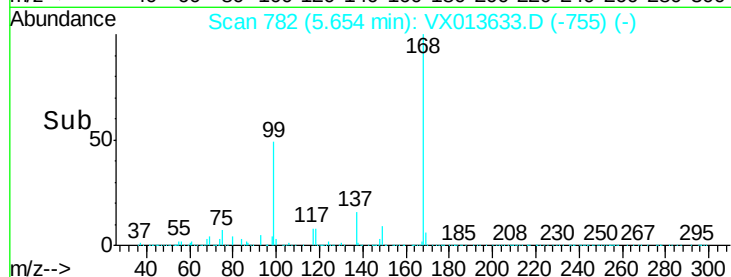
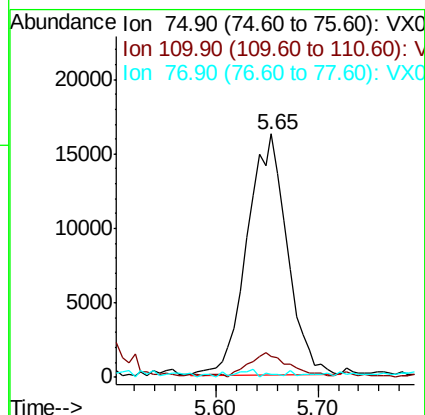
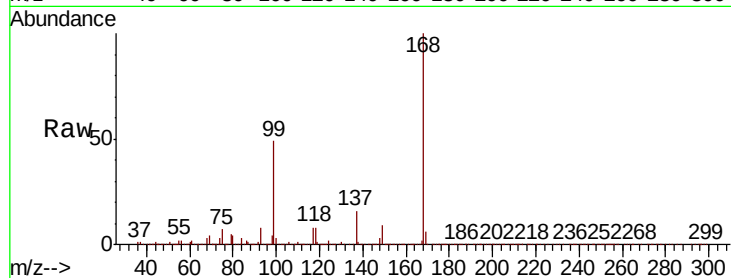
Tot Ion: 75 Resp: 43989

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

77 1.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.467 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

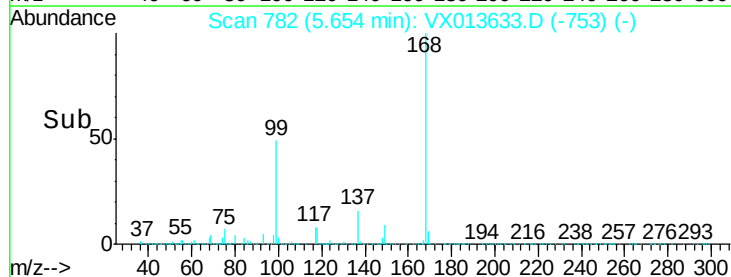
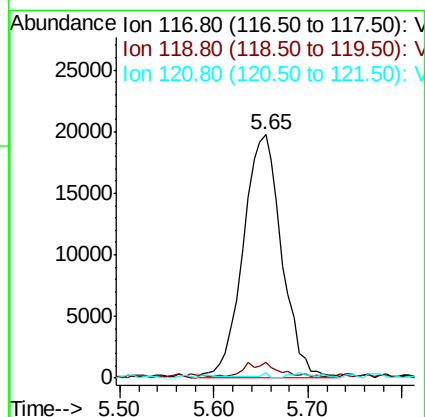
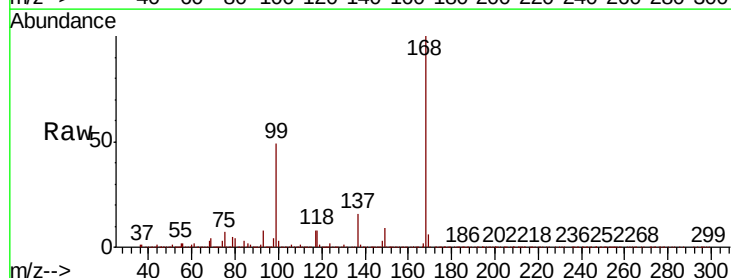
Tgt Ion: 117 Resp: 56916

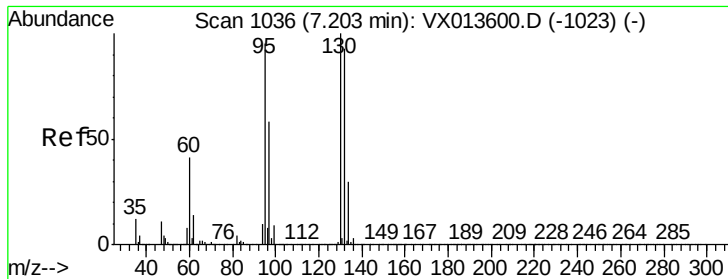
Ion Ratio Lower Upper

117 100

119 4.6 77.5 116.3#

121 1.9 25.0 37.6#





#44

Trichloroethene

Concen: 0.265 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Instrument :

MSVOA_X

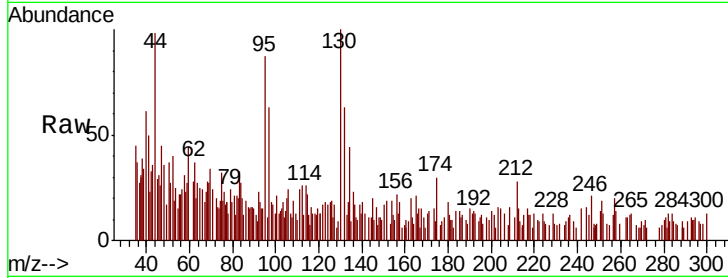
ClientSampled :

Tot Ion:130 Resp: 2117

Ion Ratio Lower Upper

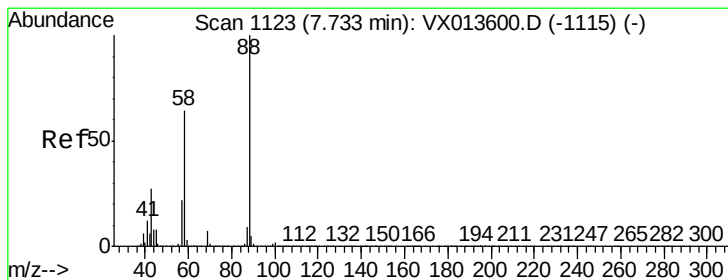
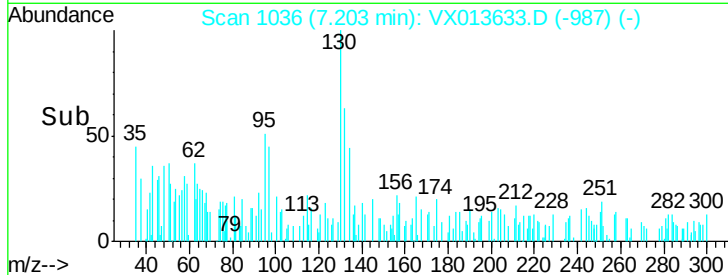
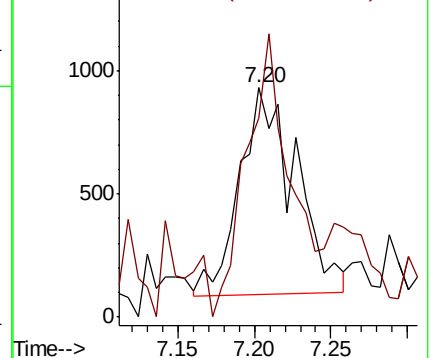
130 100

95 71.5 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: 3.176 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

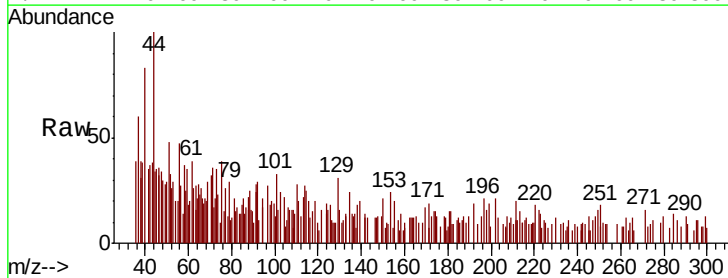
Tgt Ion: 88 Resp: 609

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

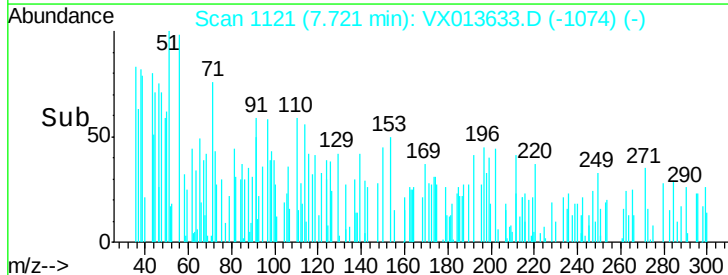
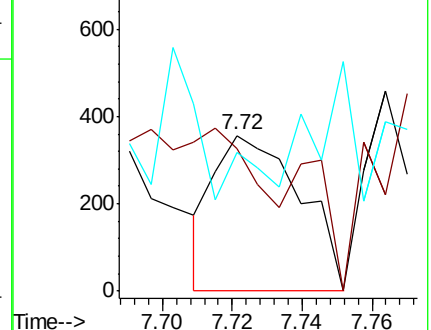
58 36.6 54.6 82.0#

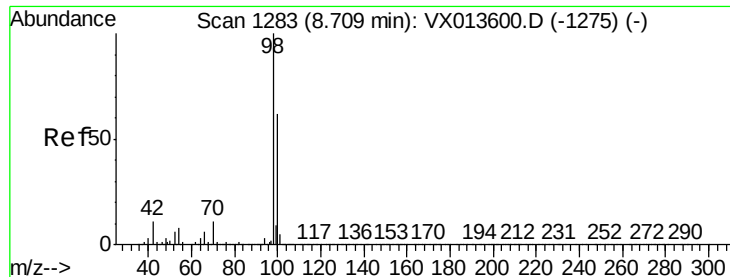


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.319 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Instrument :

MSVOA_X

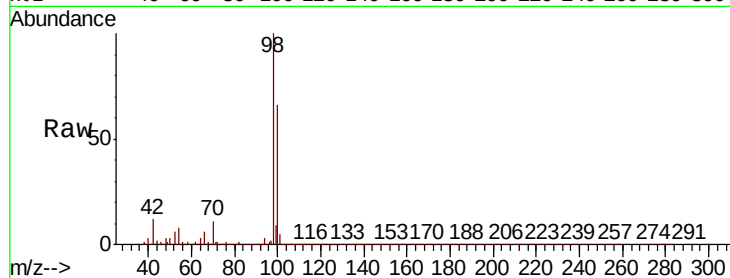
ClientSampleId :

Tot Ion: 98 Resp: 1249116

Ion Ratio Lower Upper

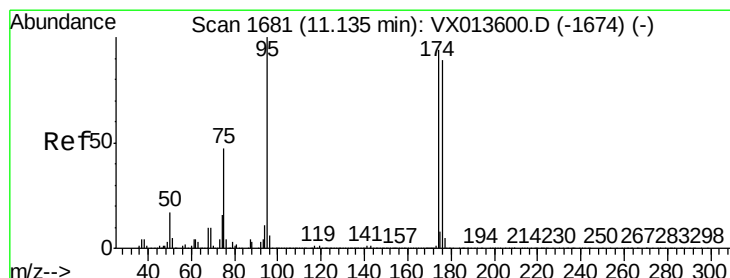
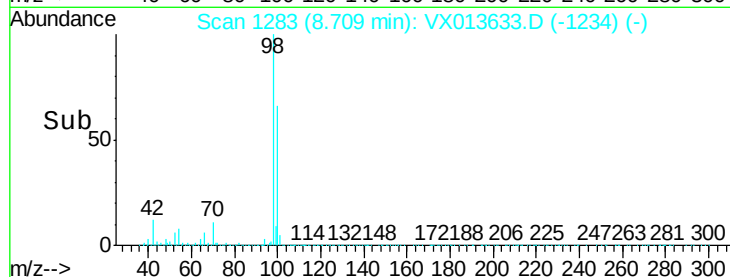
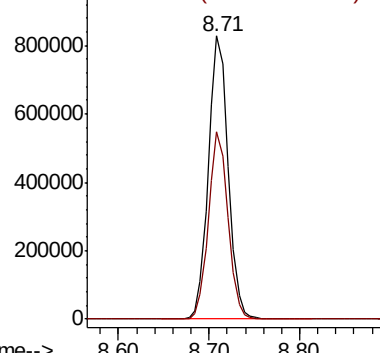
98 100

100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.221 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

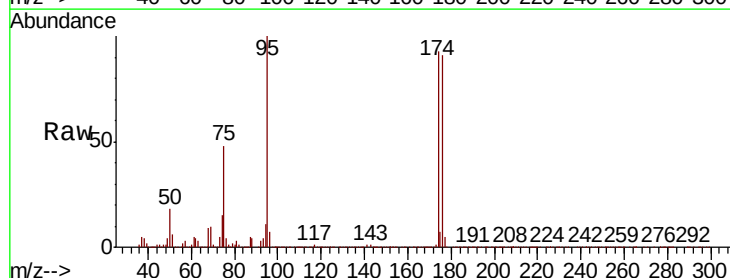
Tgt Ion: 95 Resp: 413010

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.0

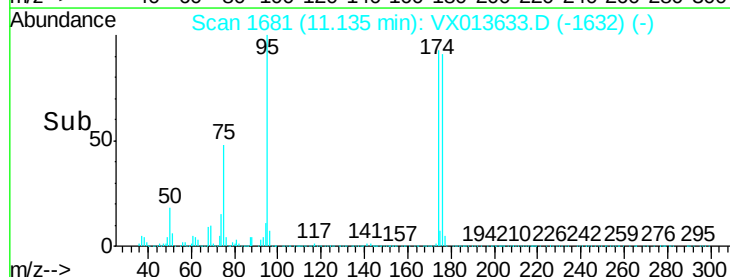
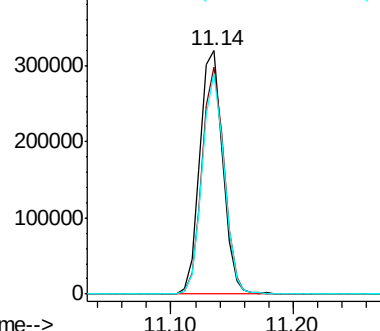
176 87.1 0.0 173.6

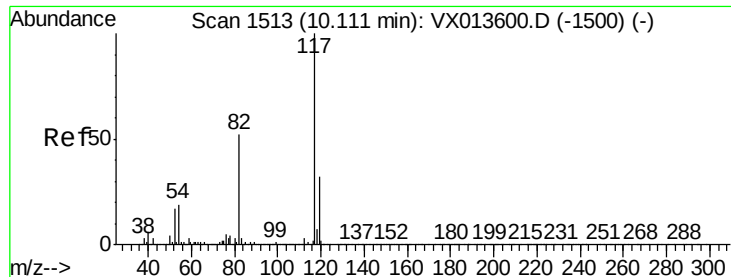


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

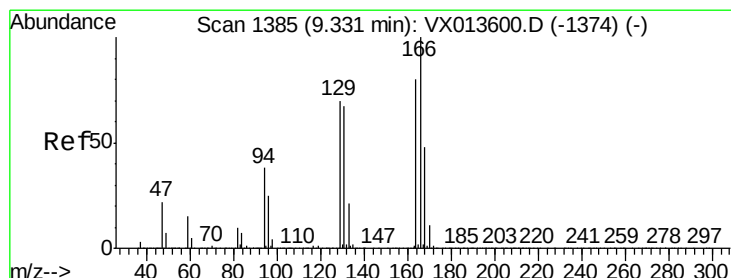
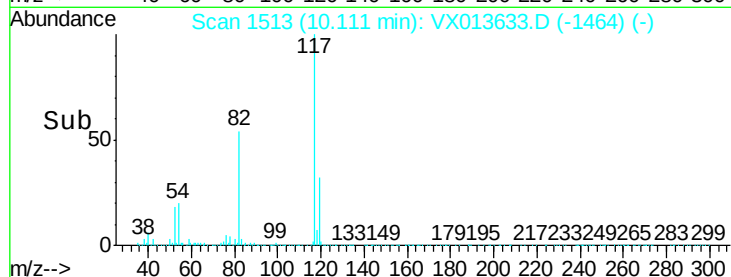
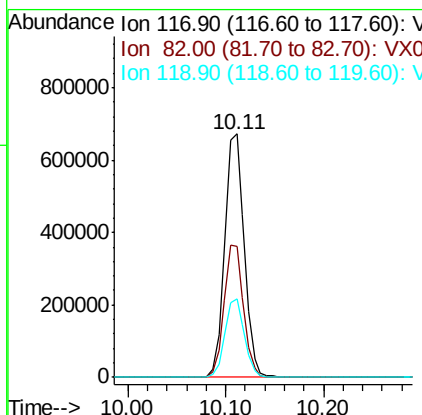
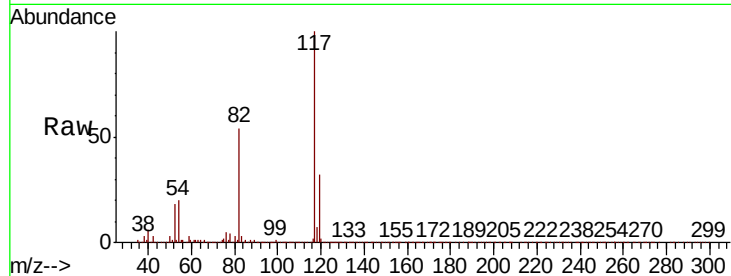




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

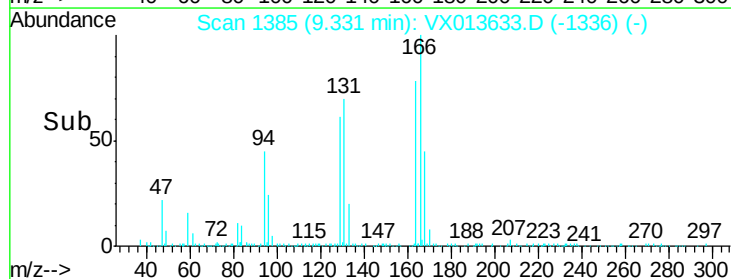
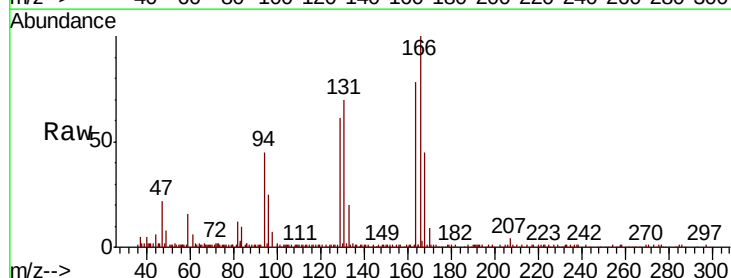
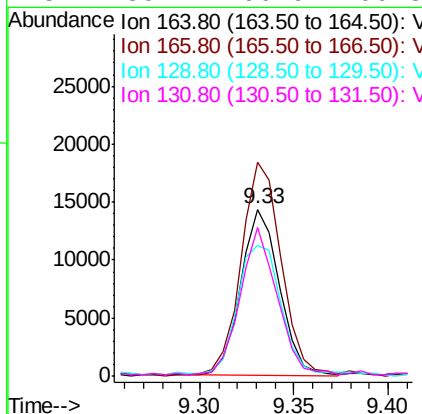
Instrument :
MSVOA_X
ClientSampleId :

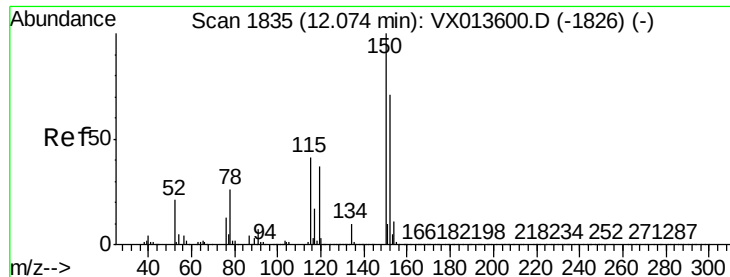
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.8	62.8
119	32.3	25.8	38.8



#64
Tetrachloroethene
Concen: 2.916 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013633.D
Acq: 27 Nov 2019 05:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	99.7	149.5
129	76.3	70.1	105.1
131	89.1	66.9	100.3

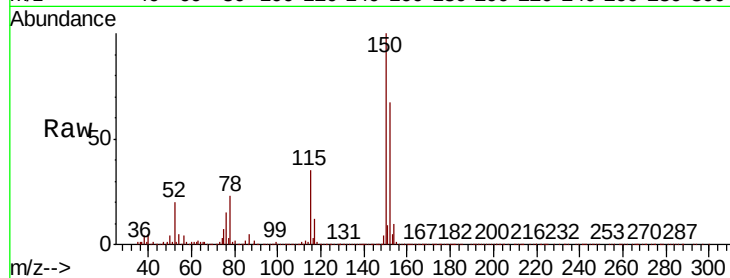




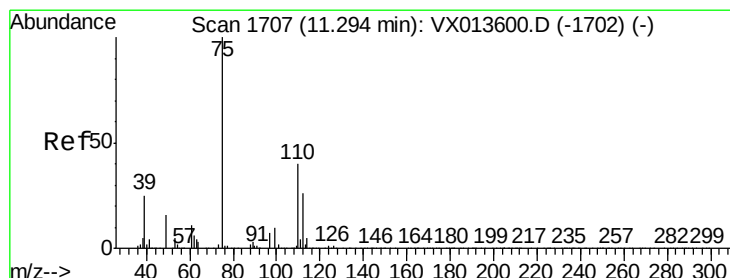
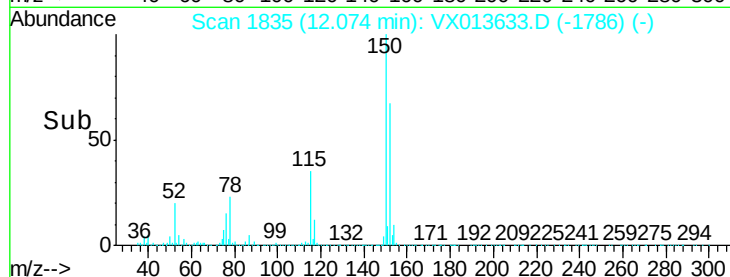
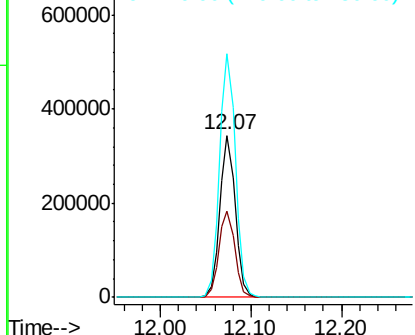
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013633.D
 Acq: 27 Nov 2019 05:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.4	115.1
150	155.9	0.0	346.8

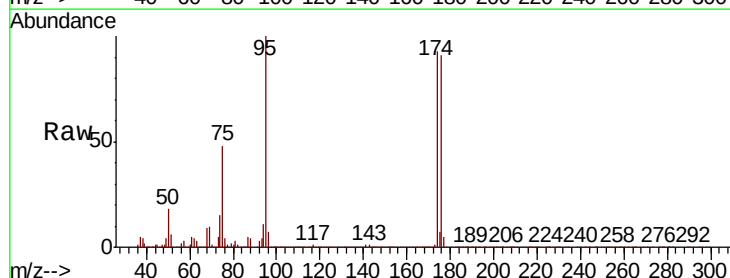


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

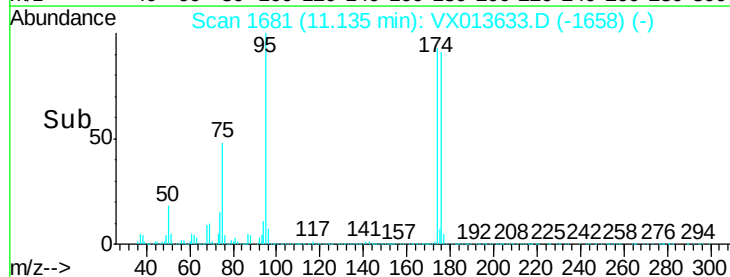
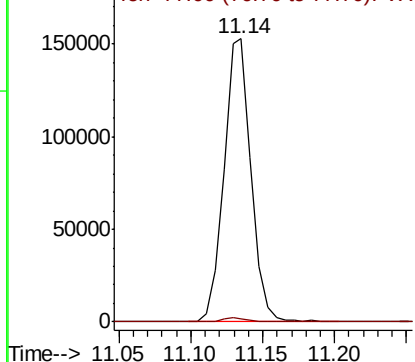


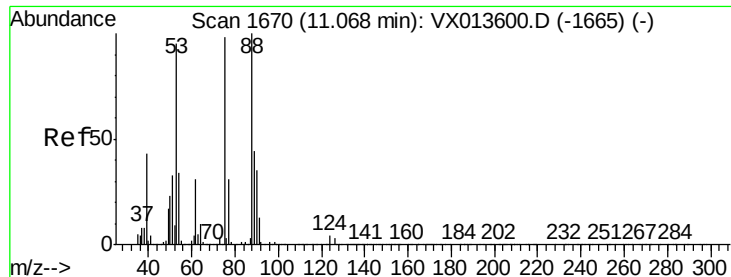
#76
 1,2,3-Trichloropropane
 Concen: 21.765 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX013633.D
 Acq: 27 Nov 2019 05:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 59.546 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Instrument :

MSVOA_X

ClientSampleId :

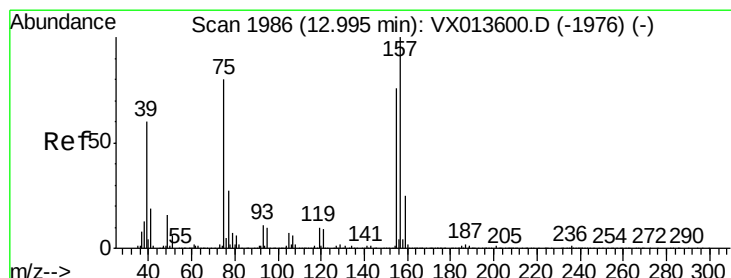
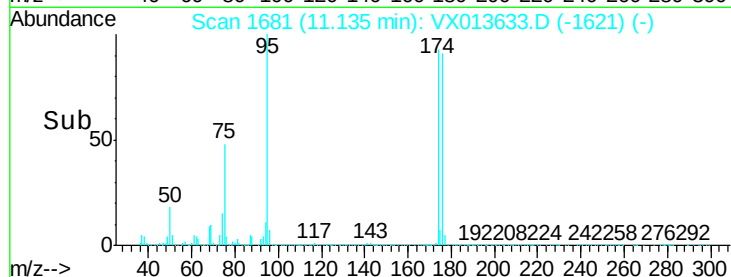
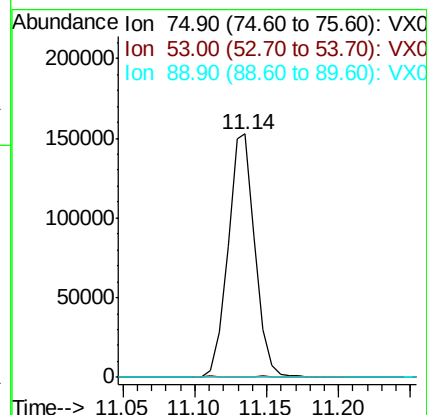
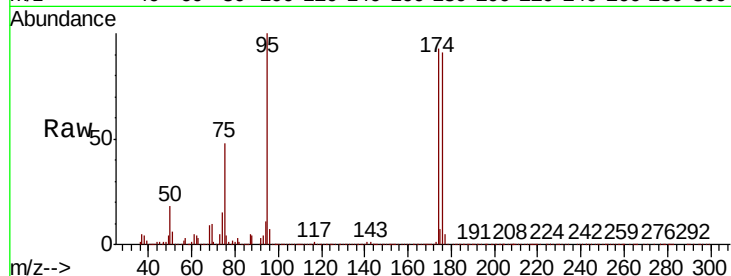
Tot Ion: 75 Resp: 200036

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.2#

89 0.1 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.331 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX013633.D

Acq: 27 Nov 2019 05:25

Tgt Ion: 75 Resp: 716

Ion Ratio Lower Upper

75 100

155 0.0 47.6 142.8#

157 33.0 62.1 186.2#

