

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013610.D
 Acq On : 26 Nov 2019 19:43
 Operator : JC/SP
 Sample : K6002-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 03:41:40 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	660094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1064715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	945207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	425696	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	390343	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	5.49	113	322288	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
50) Toluene-d8	8.71	98	1267053	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	425083	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	

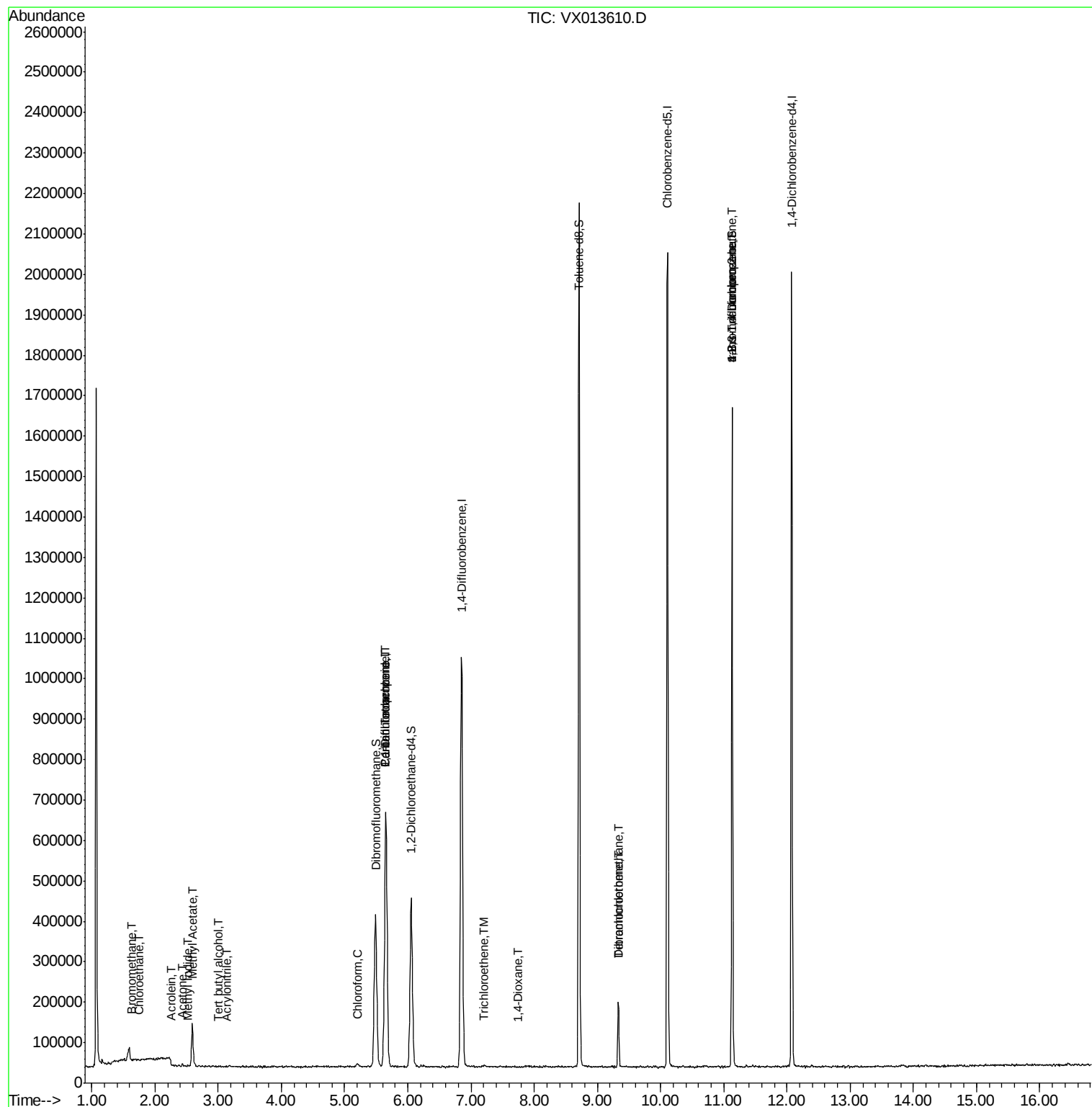
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1693	0.272	ug/l #	59
6) Chloroethane	1.75	64	1106	0.209	ug/l #	41
10) Methyl Iodide	2.51	142	1955	0.257	ug/l #	89
11) Tert butyl alcohol	3.00	59	714	0.378	ug/l #	74
13) Acrolein	2.27	56	256	6.201	ug/l #	2
15) Acrylonitrile	3.13	53	797	0.204	ug/l #	31
16) Acetone	2.43	43	5412	1.431	ug/l #	89
18) Methyl Acetate	2.59	43	28189	2.676	ug/l #	52
30) Chloroform	5.21	83	9757	0.802	ug/l	100
36) 1,1-Dichloropropene	5.65	75	42631	4.411	ug/l #	42
38) Carbon Tetrachloride	5.65	117	57808	6.487	ug/l #	15
44) Trichloroethene	7.21	130	2400	0.297	ug/l	68
49) 1,4-Dioxane	7.73	88	63	0.325	ug/l #	1
60) Dibromochloromethane	9.33	129	28235	3.692	ug/l #	11
64) Tetrachloroethene	9.33	164	33773	4.791	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	205236	21.435	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	205236	58.643	ug/l #	11

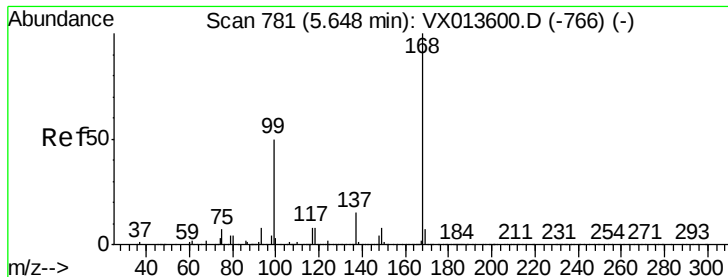
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112619\
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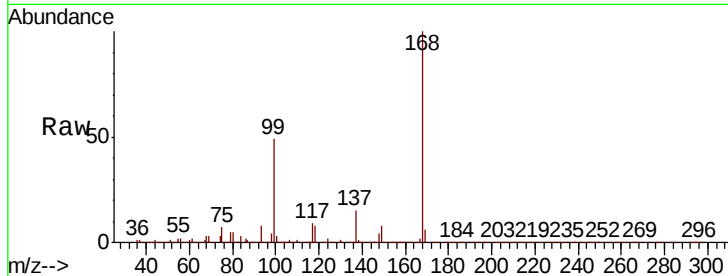


#1

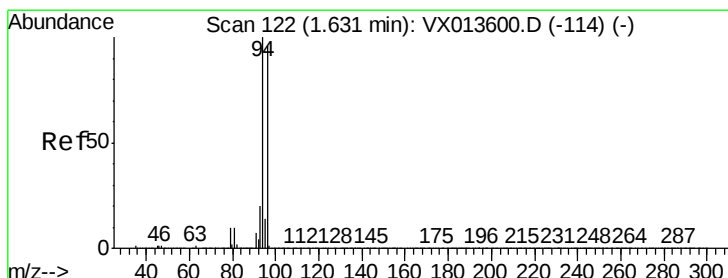
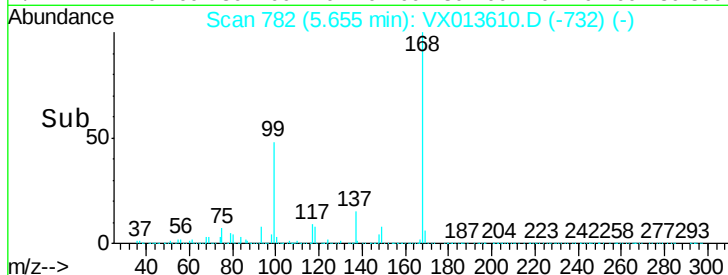
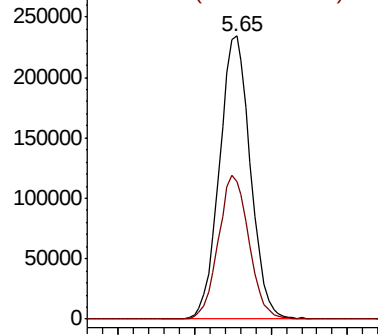
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 660094
Ion Ratio Lower Upper
168 100
99 48.5 39.8 59.8



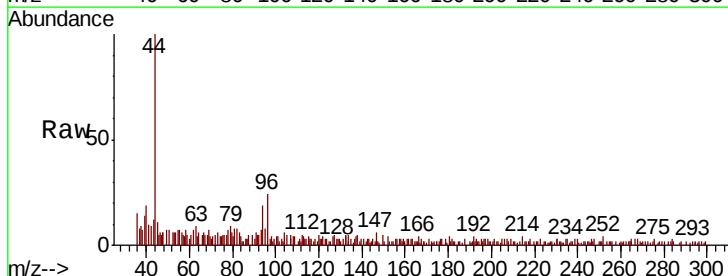
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



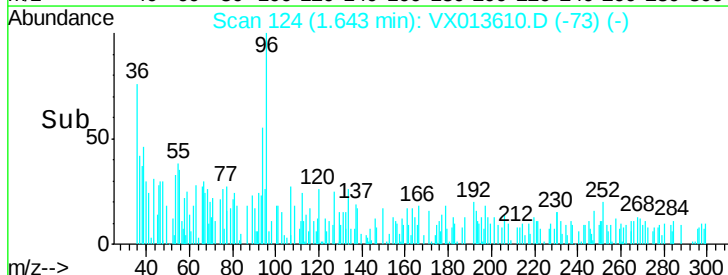
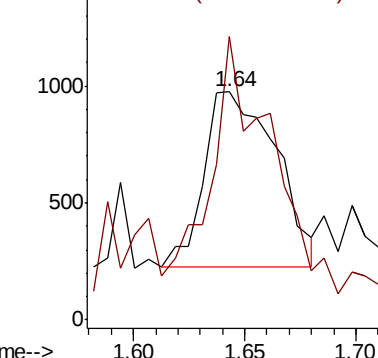
#5

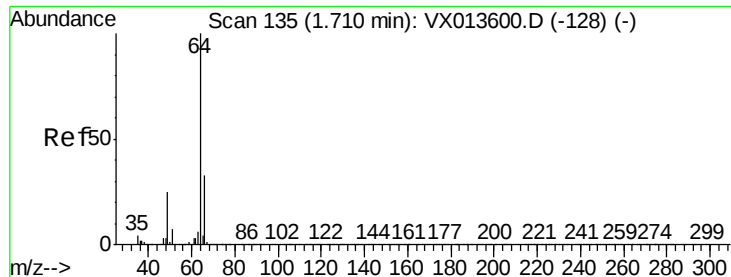
Bromomethane
Concen: 0.272 ug/l
RT: 1.64 min Scan# 124
Delta R.T. 0.01 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Tgt Ion: 94 Resp: 1693
Ion Ratio Lower Upper
94 100
96 136.2 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.75 min Scan# 141

Delta R.T. 0.04 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

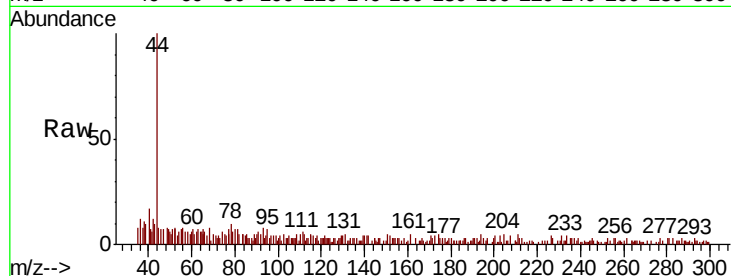
ClientSampled :

Tot Ion: 64 Resp: 1106

Ion Ratio Lower Upper

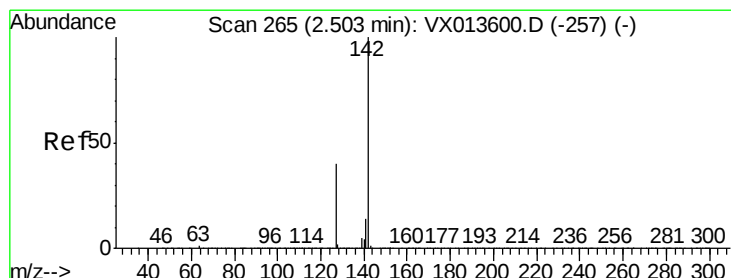
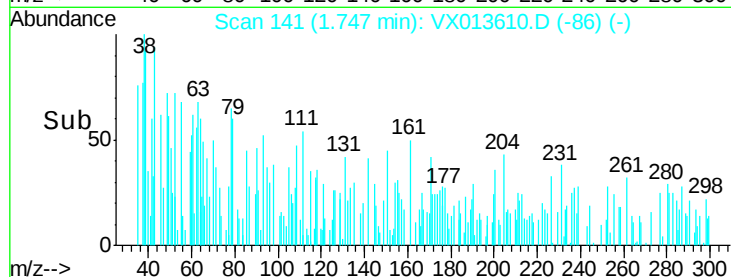
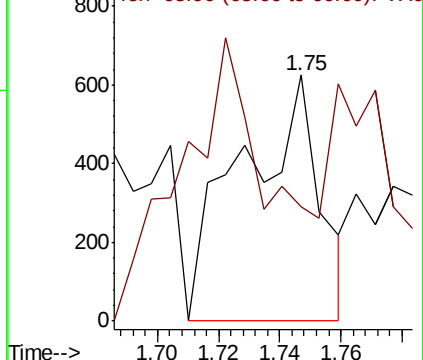
64 100

66 0.0 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.257 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

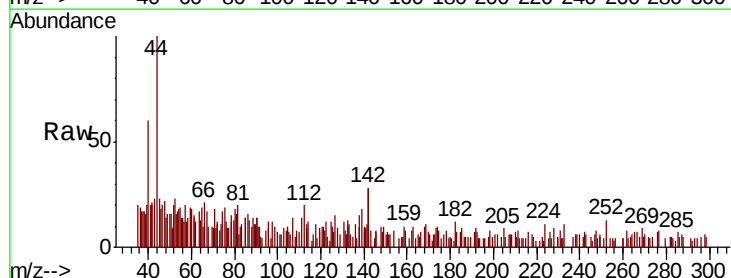
Tgt Ion: 142 Resp: 1955

Ion Ratio Lower Upper

142 100

127 46.8 31.0 46.4#

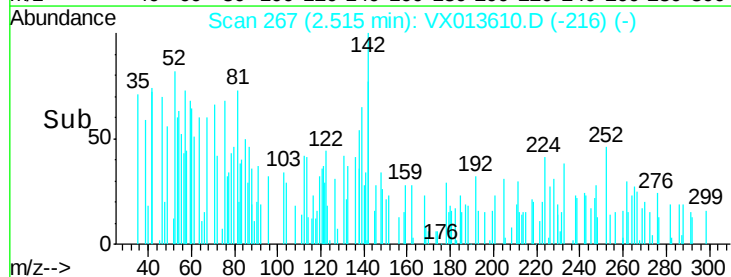
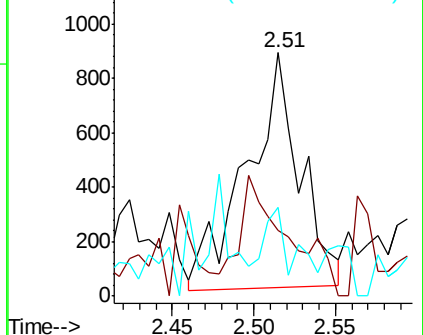
141 16.6 11.6 17.4

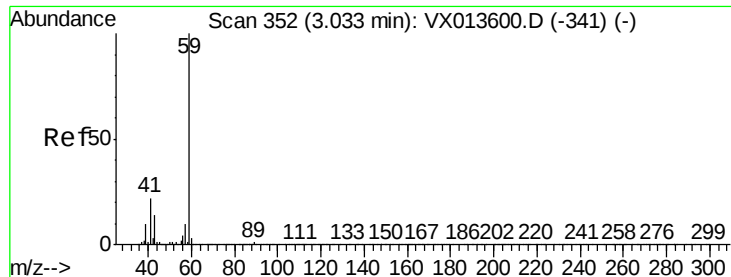


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



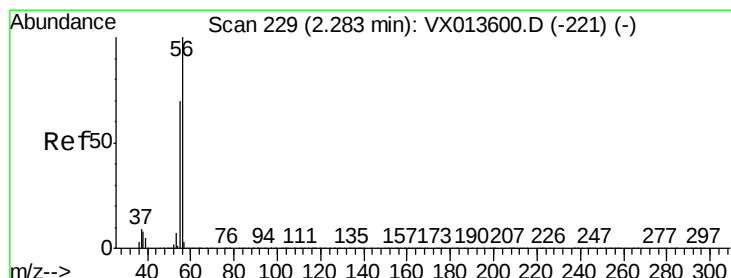
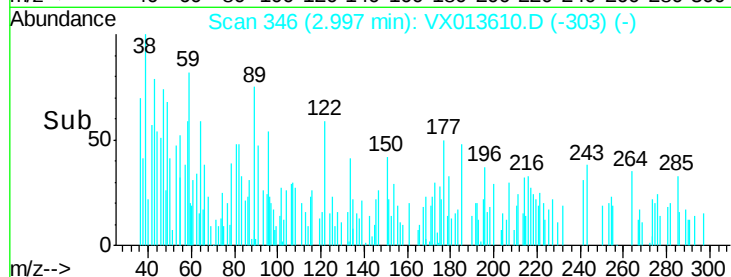
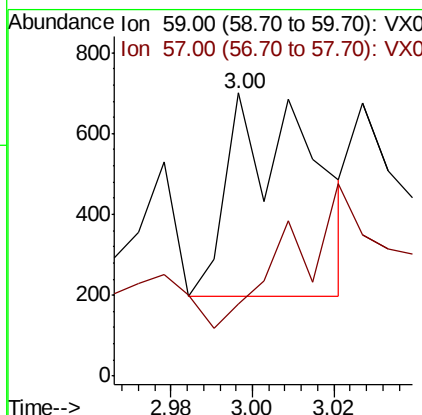
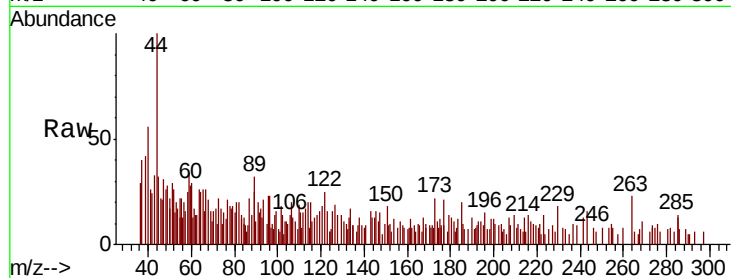


#11

Tert butyl alcohol
Concen: 0.378 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.04 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Instrument :
MSVOA_X
ClientSampled :

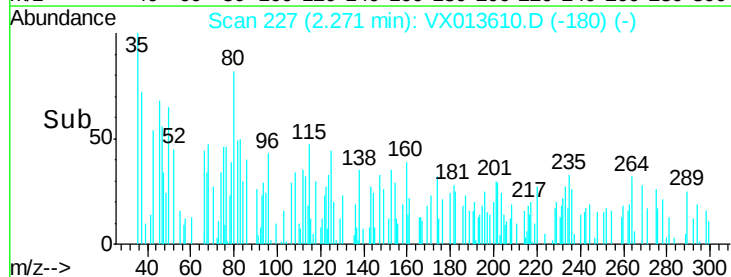
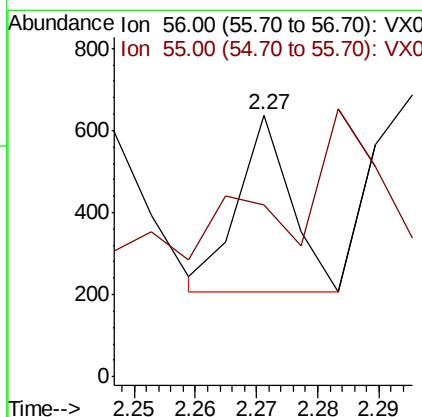
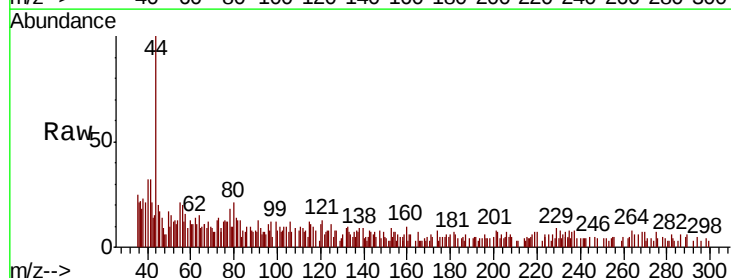
Tot Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

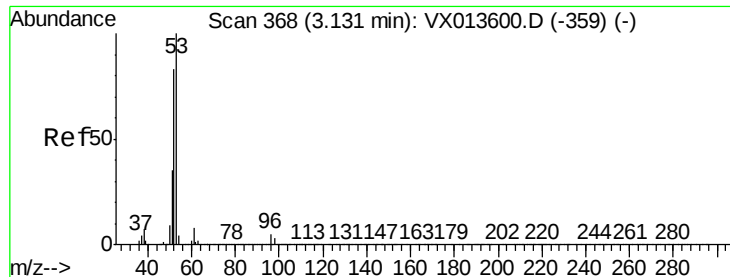


#13

Acrolein
Concen: 6.201 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 150.8 56.2 84.4#





#15

Acrylonitrile

Concen: 0.204 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

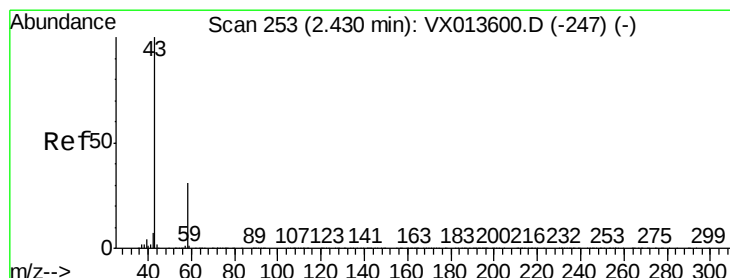
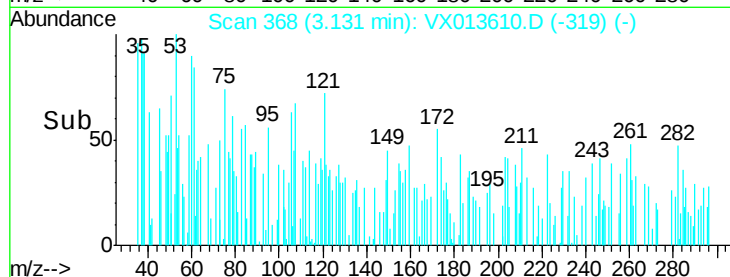
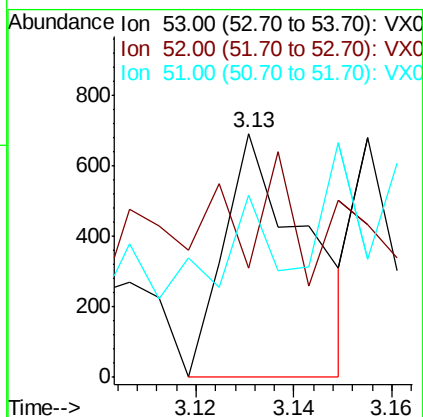
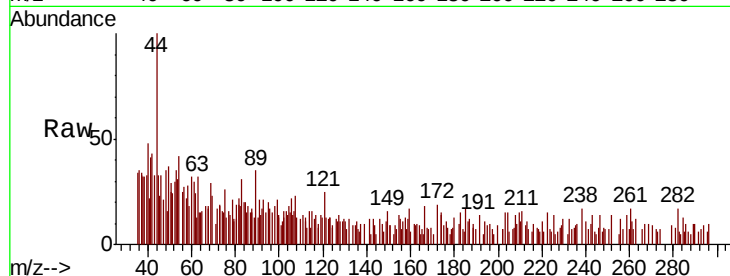
Tot Ion: 53 Resp: 797

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 27.0 29.0 43.6#



#16

Acetone

Concen: 1.431 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013610.D

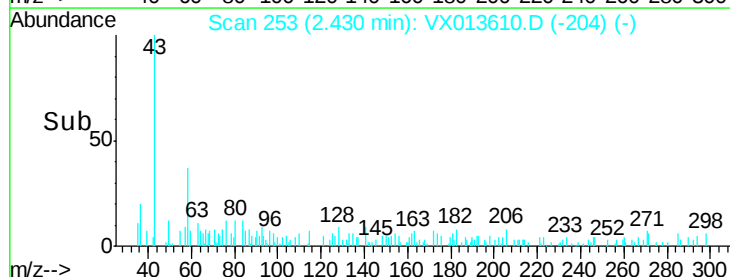
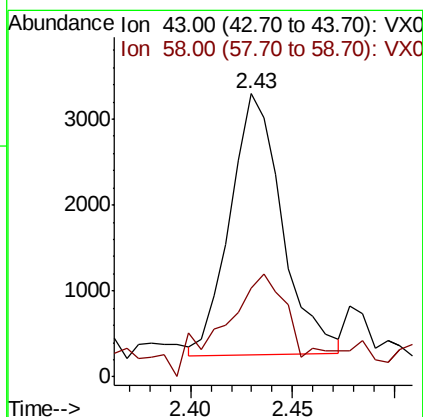
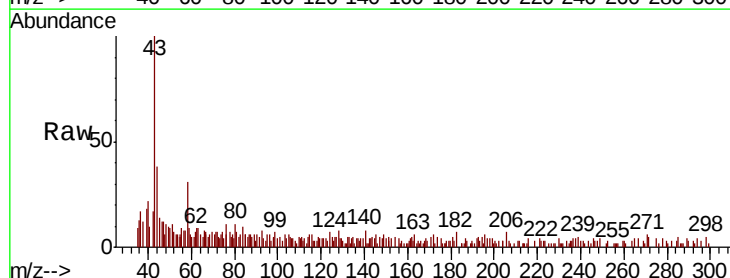
Acq: 26 Nov 2019 19:43

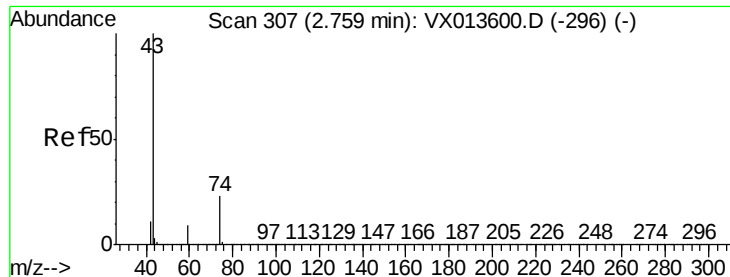
Tgt Ion: 43 Resp: 5412

Ion Ratio Lower Upper

43 100

58 24.5 24.6 36.8#

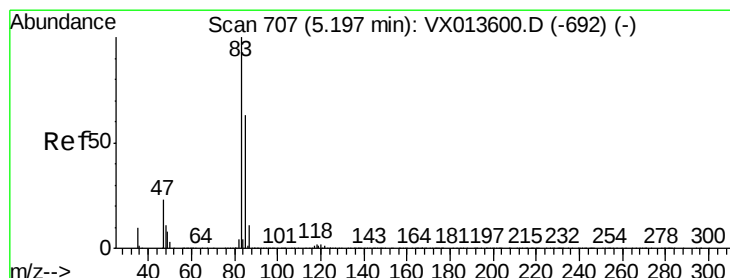
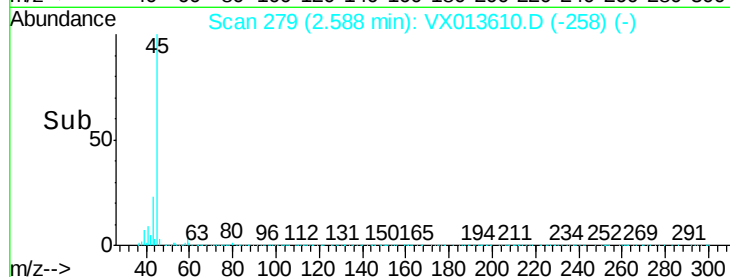
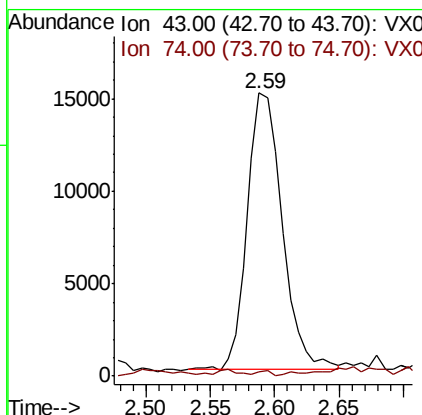
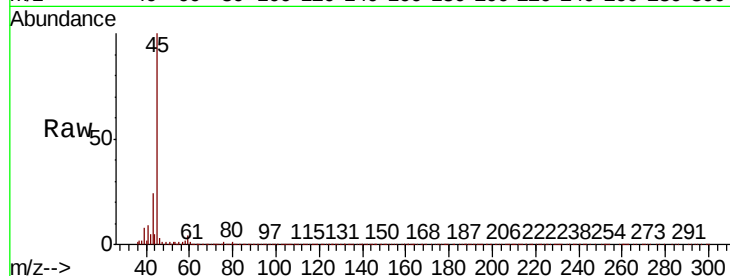




#18
Methvl Acetate
Concen: 2.676 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

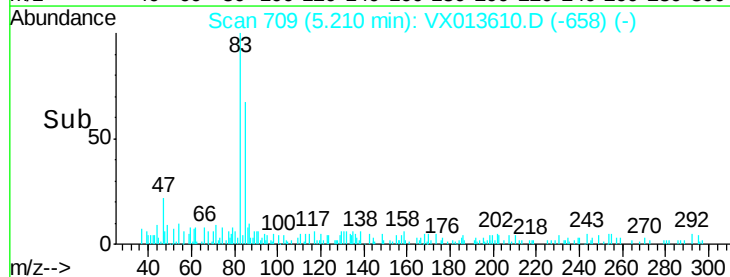
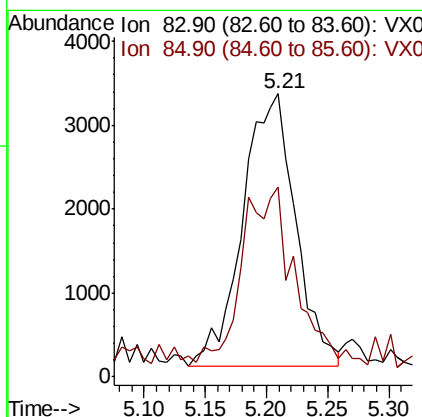
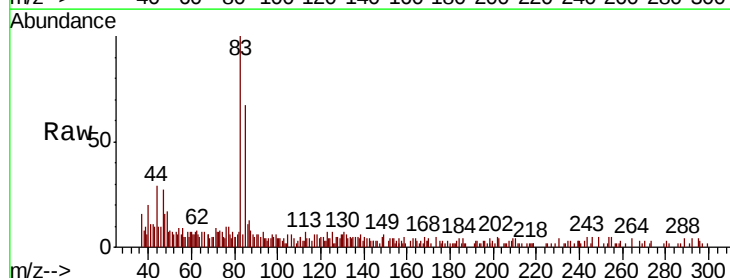
Instrument :
MSVOA_X
ClientSampleId :

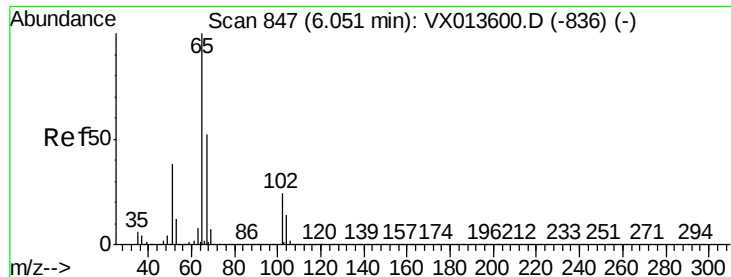
Tot Ion: 43 Resp: 28189
Ion Ratio Lower Upper
43 100
74 0.7 19.5 29.3#



#30
Chloroform
Concen: 0.802 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Tgt Ion: 83 Resp: 9757
Ion Ratio Lower Upper
83 100
85 63.0 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 50.944 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

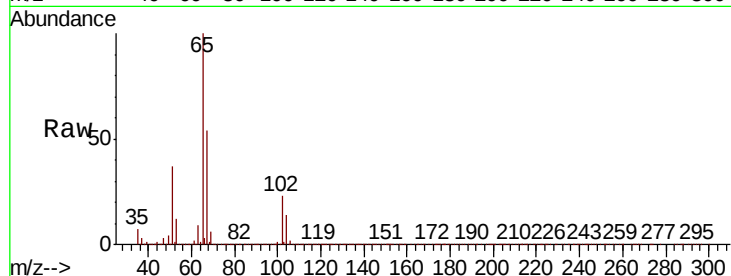
ClientSampleId :

Tot Ion: 65 Resp: 390343

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

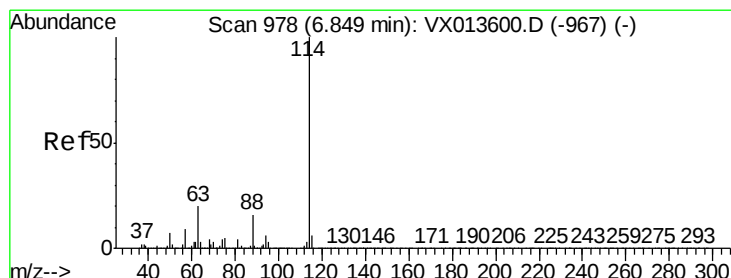
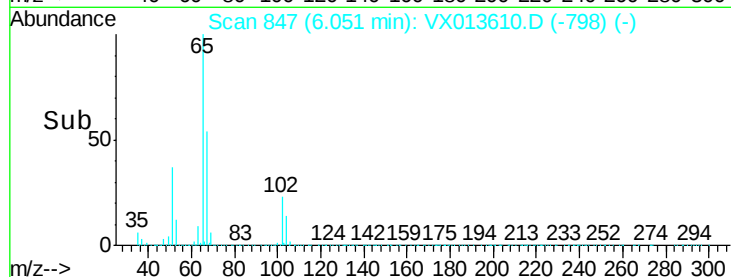
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

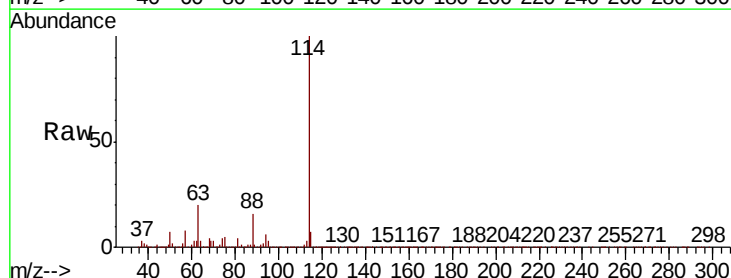
Tgt Ion: 114 Resp: 1064715

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.4 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

600000

500000

400000

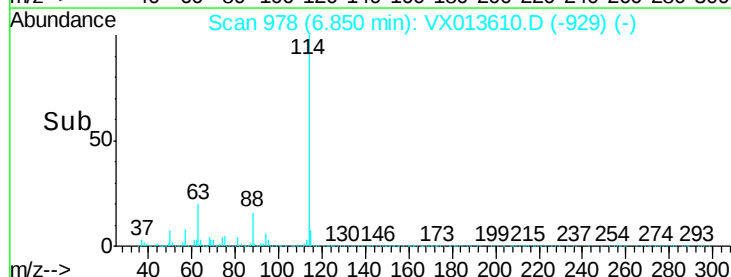
300000

200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.964 ug/l

RT: 5.49 min Scan# 755

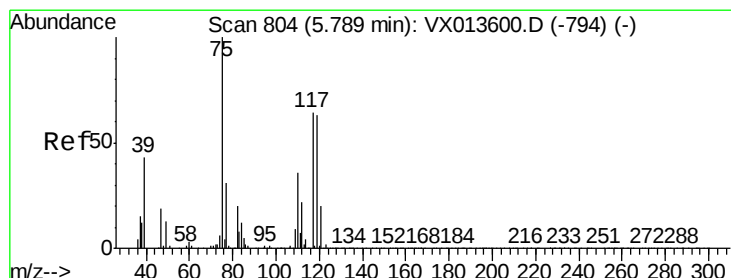
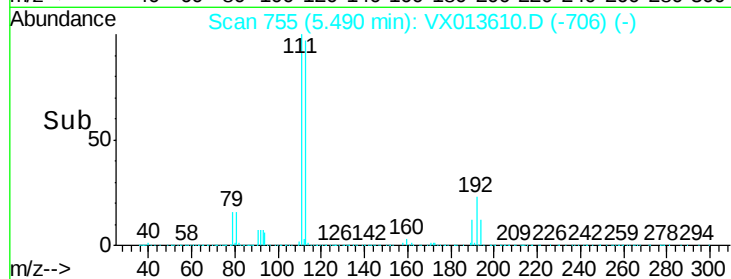
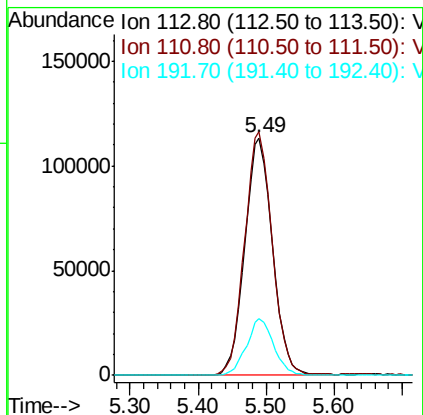
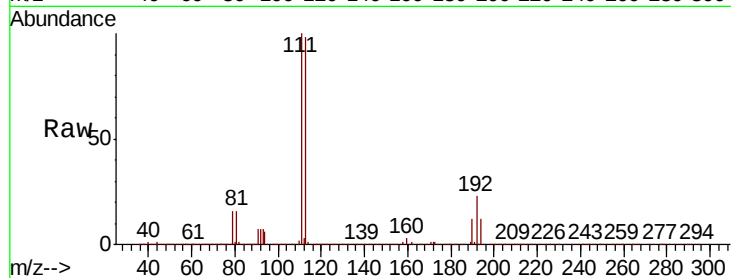
Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	322288
Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.6	125.4
192	23.2	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.411 ug/l

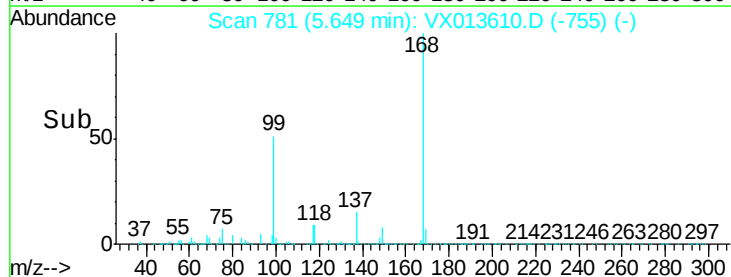
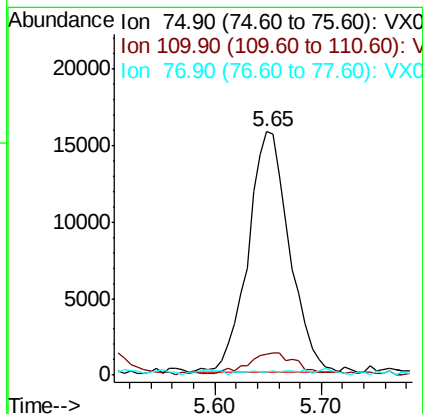
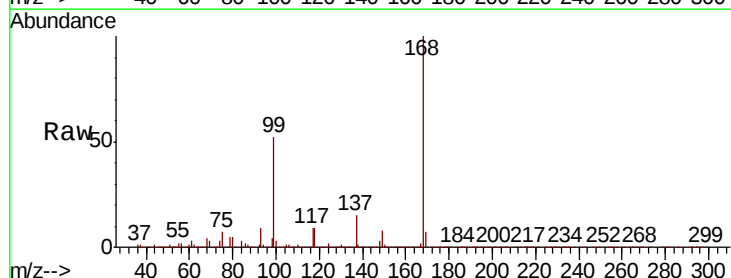
RT: 5.65 min Scan# 781

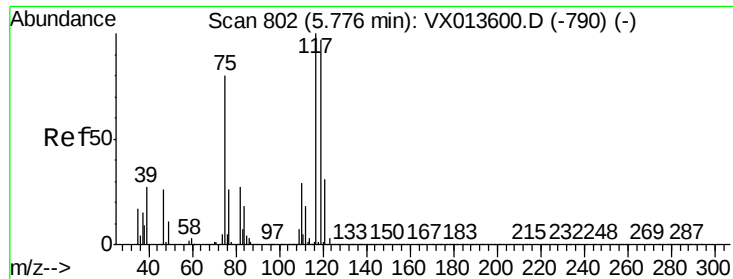
Delta R.T. -0.14 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Tgt Ion:	75	Resp:	42631
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	1.1	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.487 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

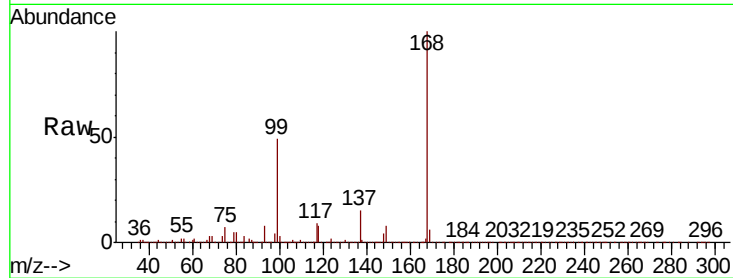
Tot Ion:117 Resp: 57808

Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

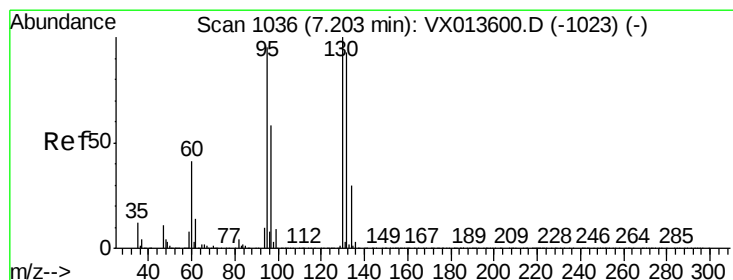
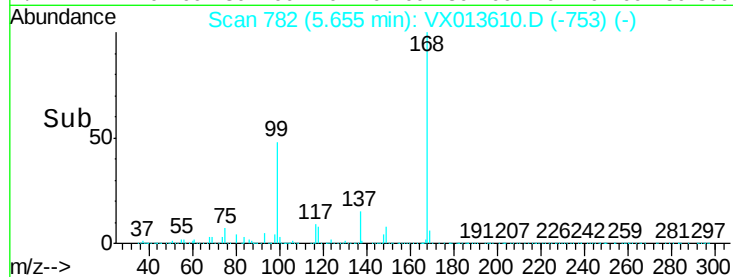
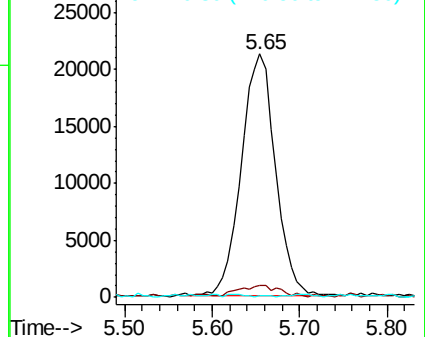
121 0.0 25.0 37.6#



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: 0.297 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013610.D

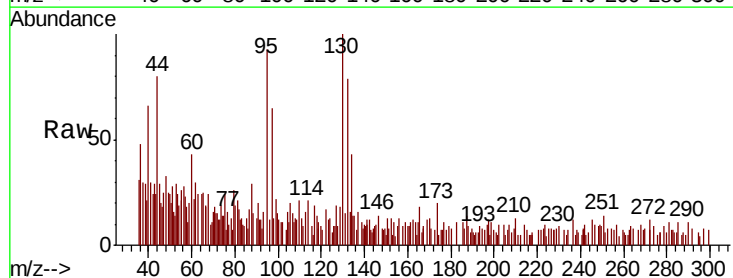
Acq: 26 Nov 2019 19:43

Tgt Ion:130 Resp: 2400

Ion Ratio Lower Upper

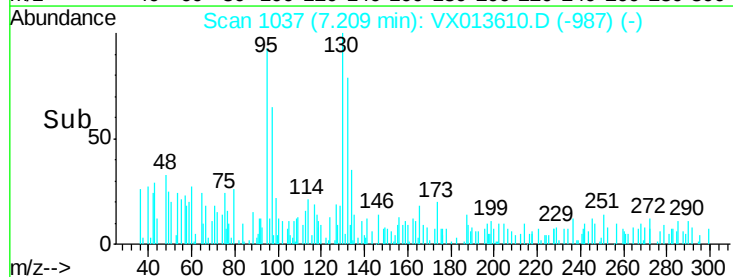
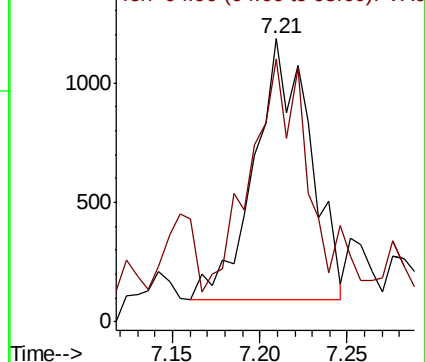
130 100

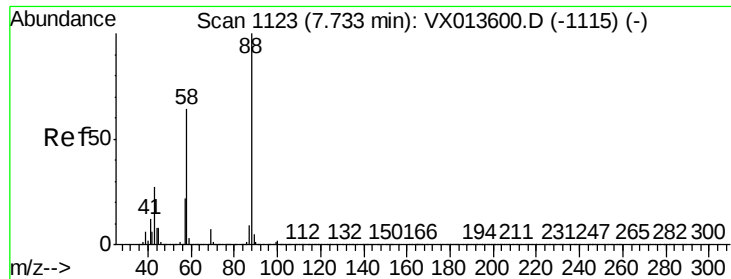
95 63.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.325 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

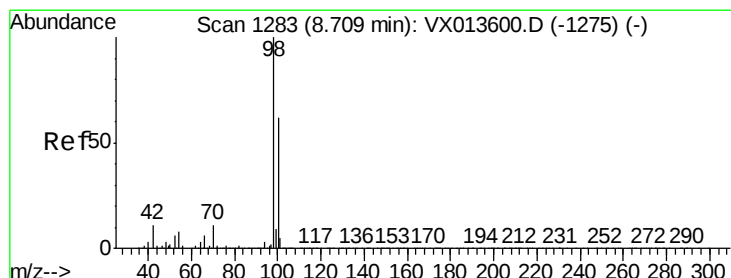
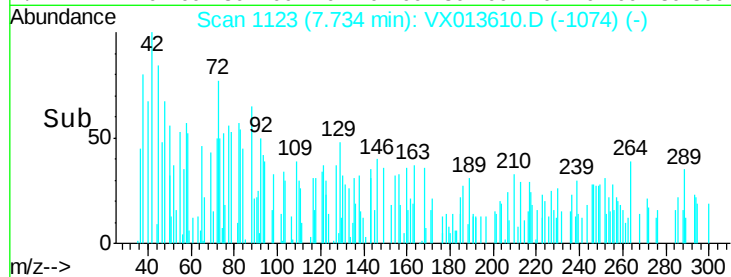
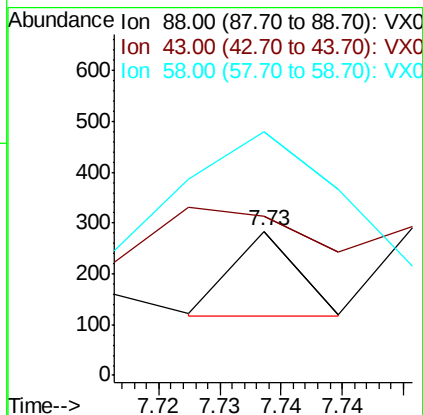
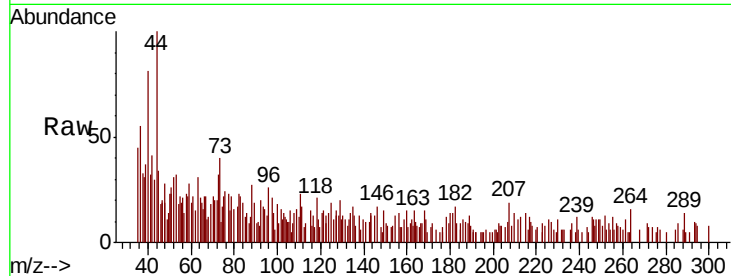
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 1250.8 54.6 82.0#



#50

Toluene-d8

Concen: 49.407 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013610.D

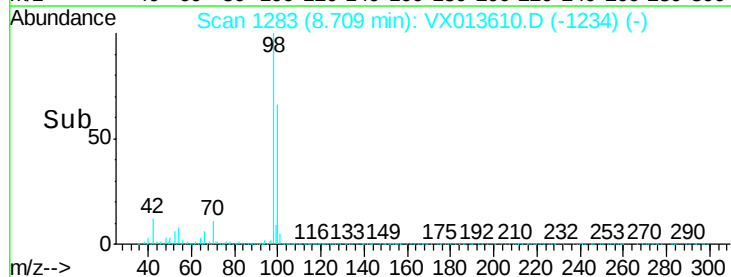
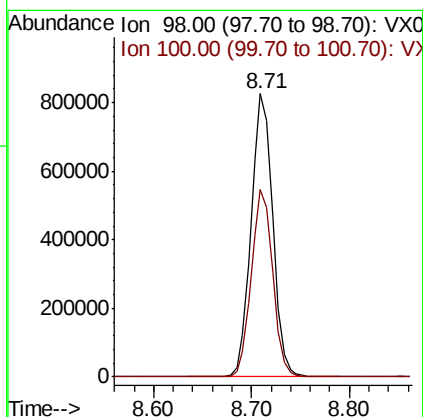
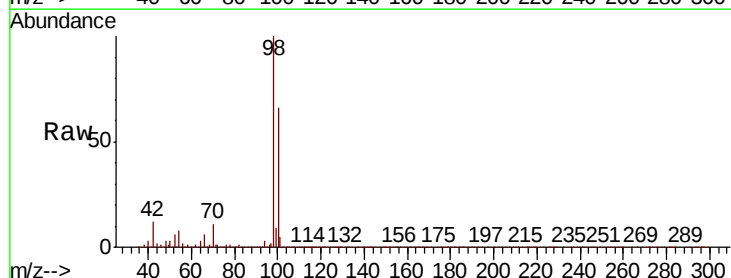
Acq: 26 Nov 2019 19:43

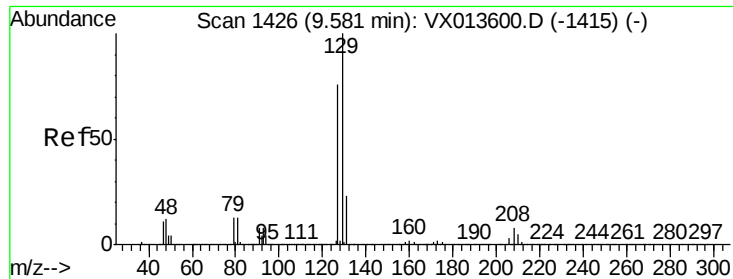
Tgt Ion: 98 Resp: 1267053

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

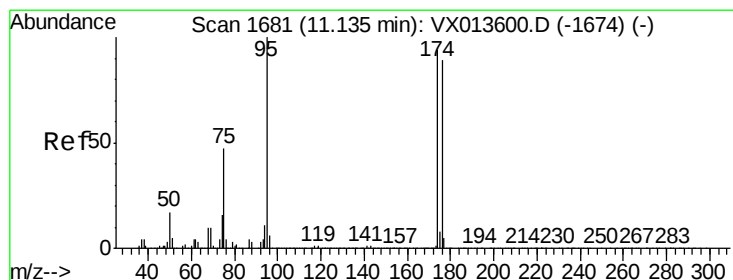
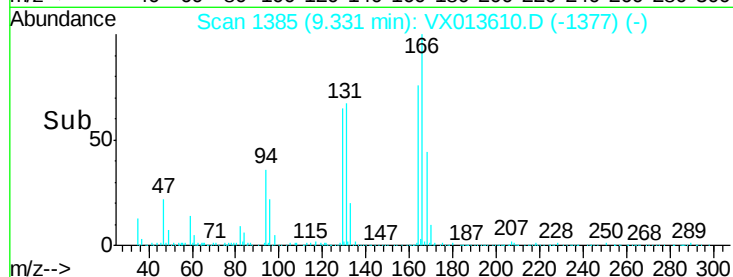
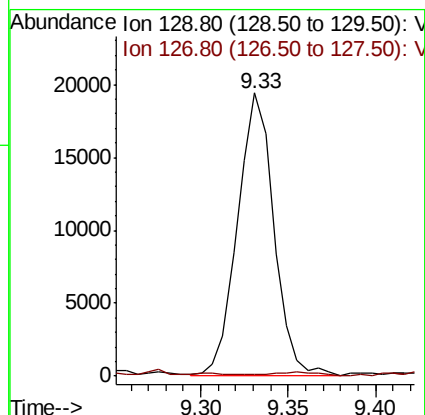
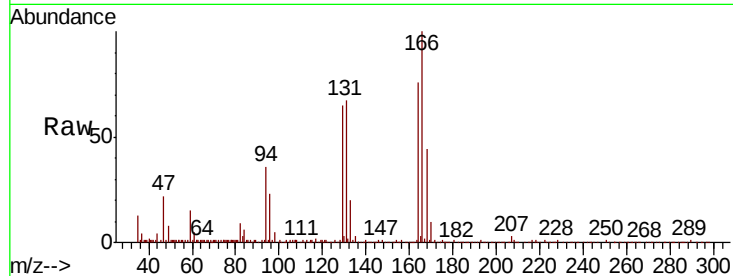




#60
Dibromochloromethane
Concen: 3.692 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

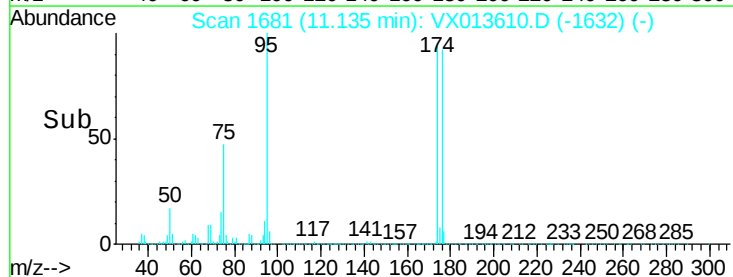
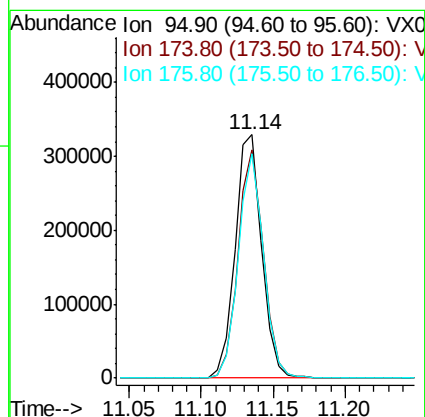
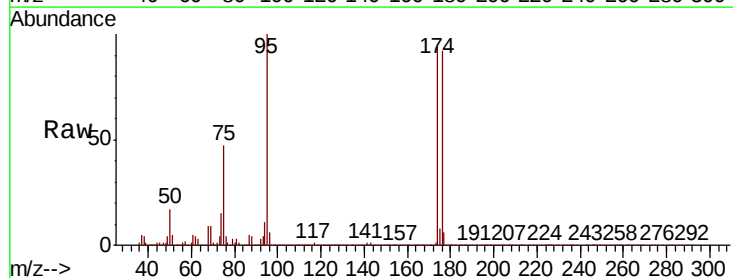
Instrument :
MSVOA_X
ClientSampleId :

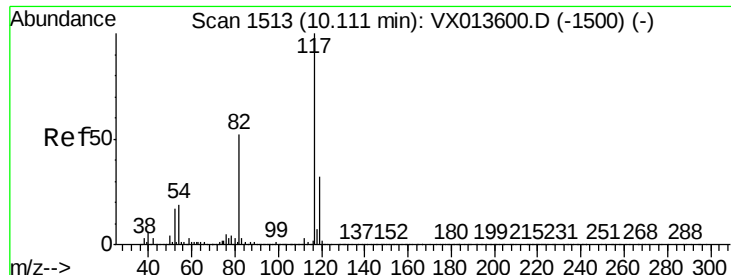
Tot Ion:129 Resp: 28235
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 45.967 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013610.D
Acq: 26 Nov 2019 19:43

Tgt Ion: 95 Resp: 425083
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.0
176 87.5 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: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

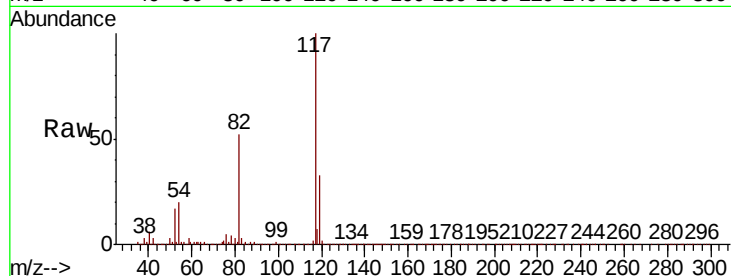
Tot Ion:117 Resp: 945207

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

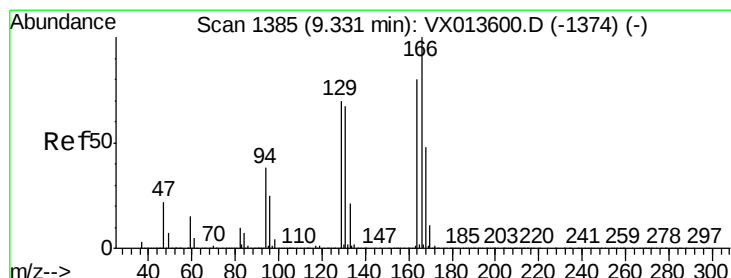
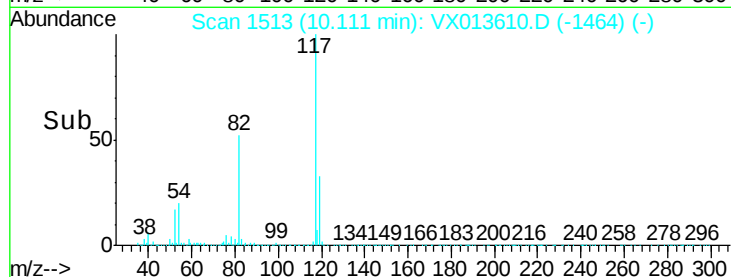
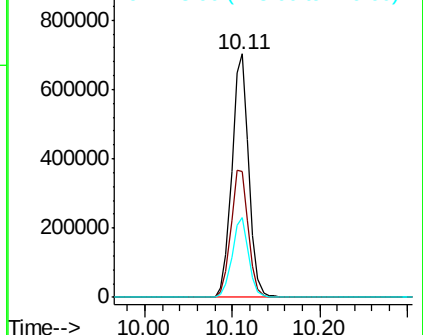
119 32.8 25.8 38.8



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



#64

Tetrachloroethene

Concen: 4.791 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Tgt Ion:164 Resp: 33773

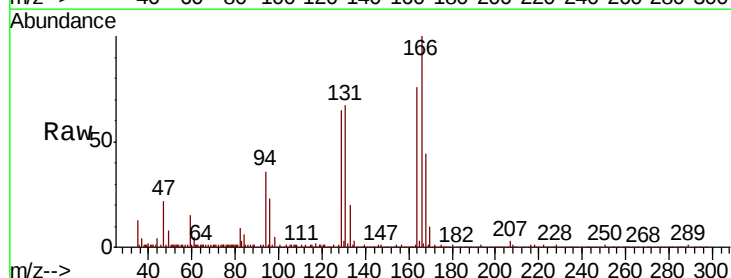
Ion Ratio Lower Upper

164 100

166 131.2 99.7 149.5

129 85.7 70.1 105.1

131 88.4 66.9 100.3

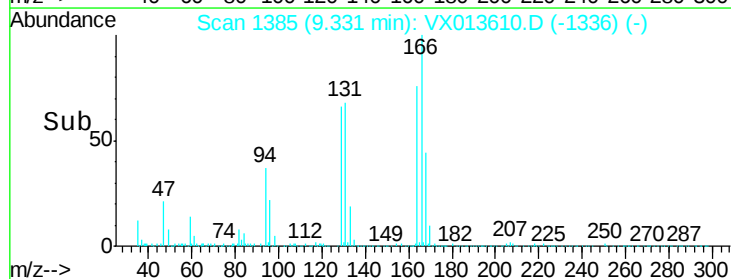
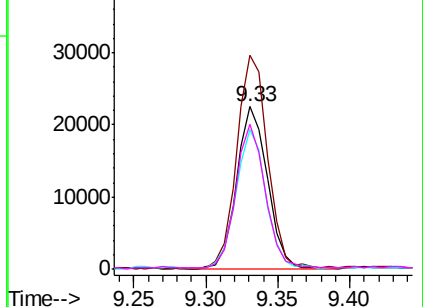


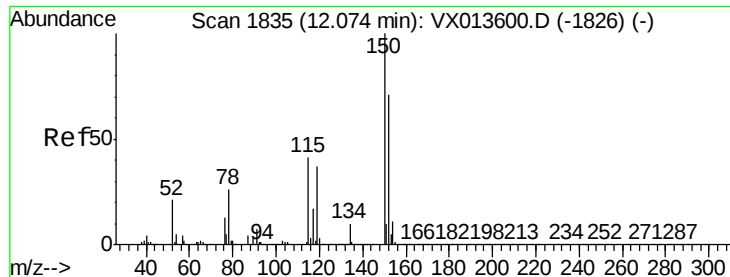
Abundance Ion 163.80 (163.50 to 164.50): V

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: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

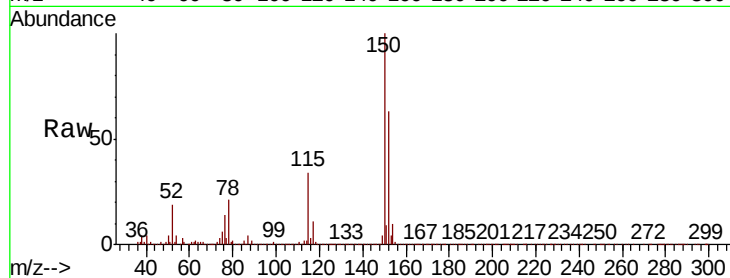
Tot Ion:152 Resp: 425696

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

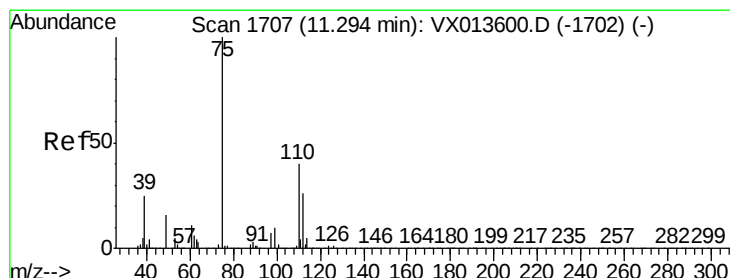
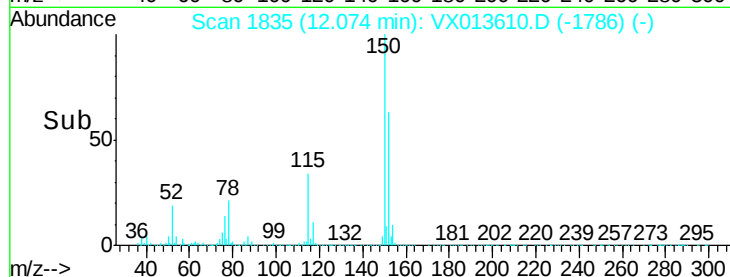
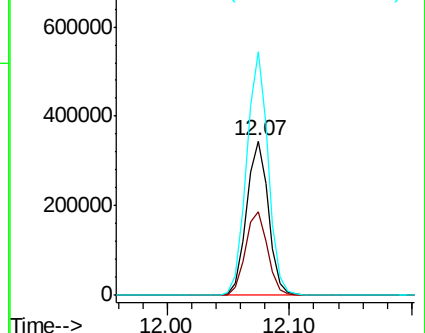
150 155.5 0.0 346.8



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: 21.435 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013610.D

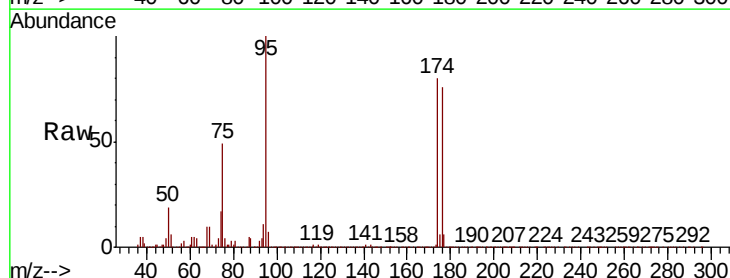
Acq: 26 Nov 2019 19:43

Tgt Ion: 75 Resp: 205236

Ion Ratio Lower Upper

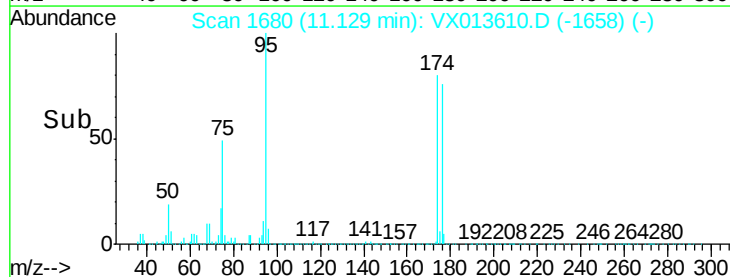
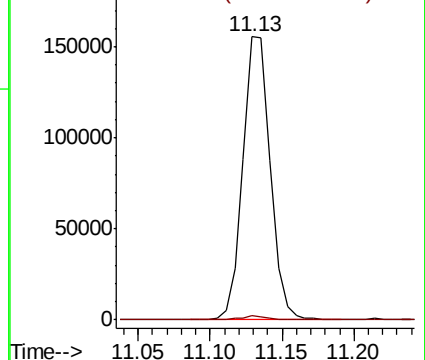
75 100

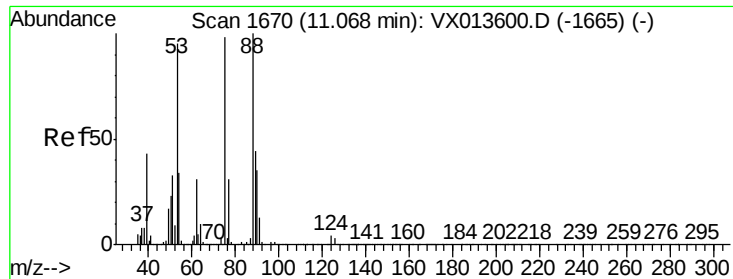
77 1.4 19.1 57.5#



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: 58.643 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013610.D

Acq: 26 Nov 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 205236

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.0 35.4 53.2#

