

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013799.D
 Acq On : 06 Dec 2019 15:06
 Operator : JC/SP
 Sample : K6184-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20191203

Quant Time: Dec 07 02:37:32 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	640782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	976678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	860764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	369778	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	350766	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	5.49	113	289698	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1139684	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	377621	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	

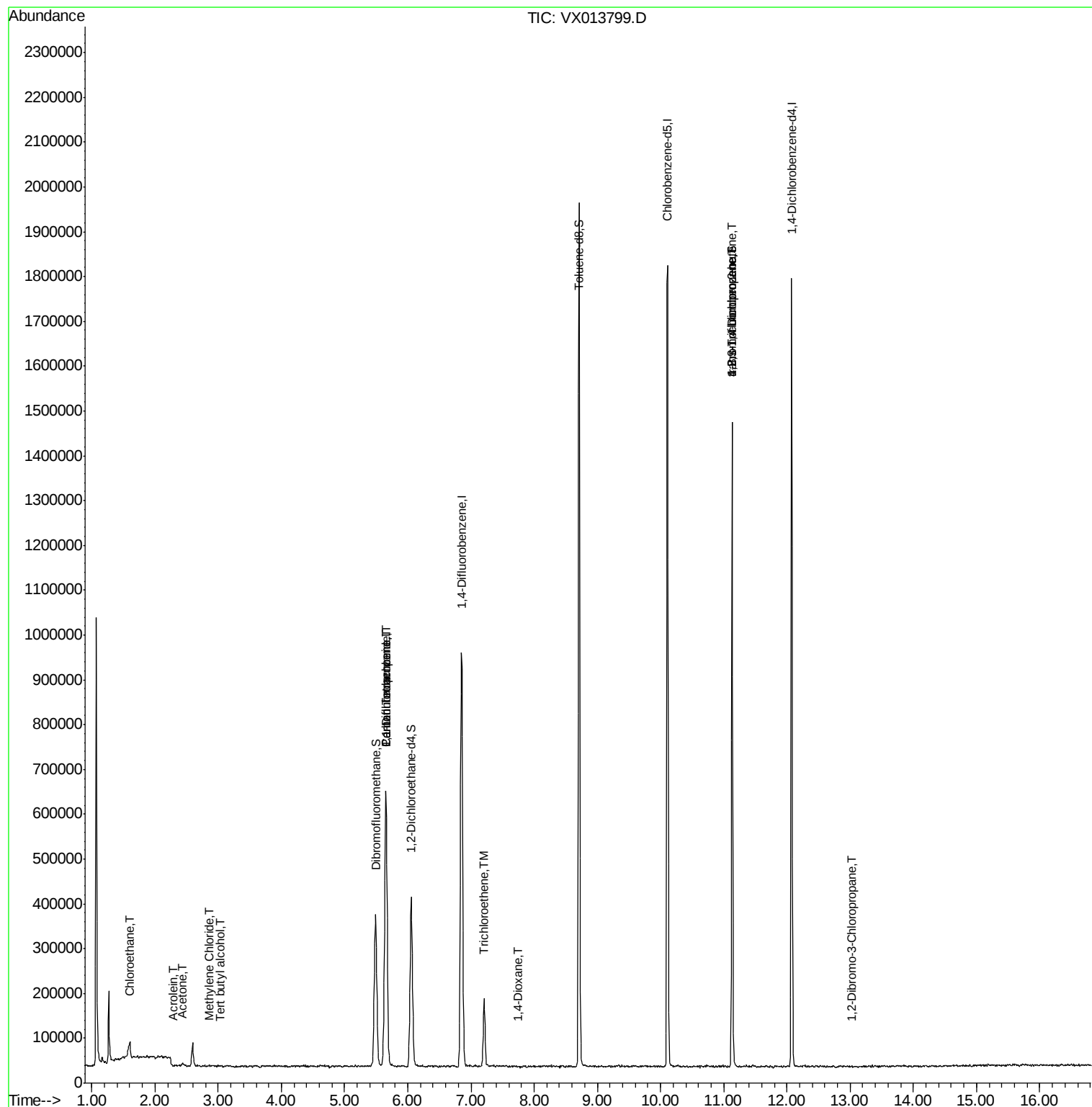
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	1937	0.378	ug/l #	44
11) Tert butyl alcohol	3.03	59	2321	1.264	ug/l #	64
13) Acrolein	2.29	56	180	6.147	ug/l #	15
16) Acetone	2.43	43	9153	2.492	ug/l	99
20) Methylene Chloride	2.86	84	2317	0.328	ug/l #	47
36) 1,1-Dichloropropene	5.65	75	42383	4.781	ug/l #	51
38) Carbon Tetrachloride	5.65	117	54001	6.606	ug/l #	16
44) Trichloroethene	7.21	130	62116	8.382	ug/l	96
49) 1,4-Dioxane	7.73	88	124	0.696	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	183828	22.103	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	183828	60.469	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.02	75	394	0.201	ug/l	66

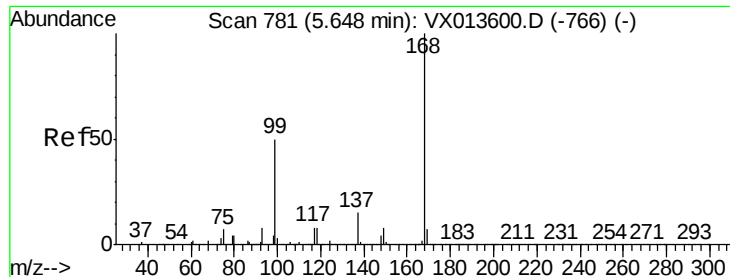
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 07 02:37:32 2019
Quant Method : Z:\V0ASRV\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: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

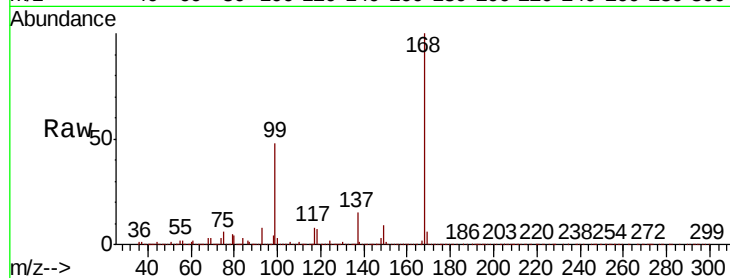
RE122D3-20191203

Tot Ion:168 Resp: 640782

Ion Ratio Lower Upper

168 100

99 47.4 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

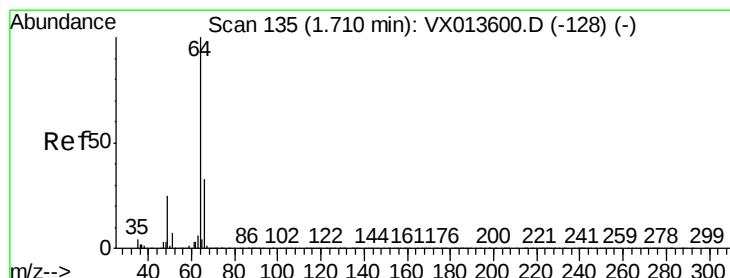
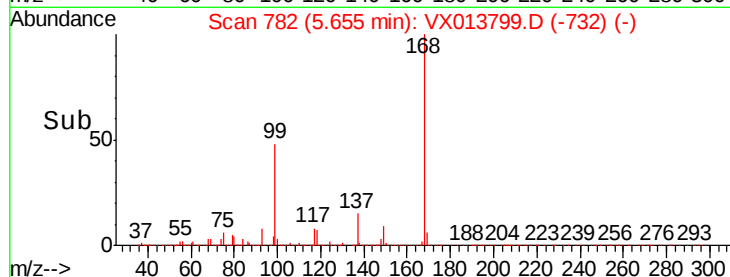
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.378 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.12 min

Lab File: VX013799.D

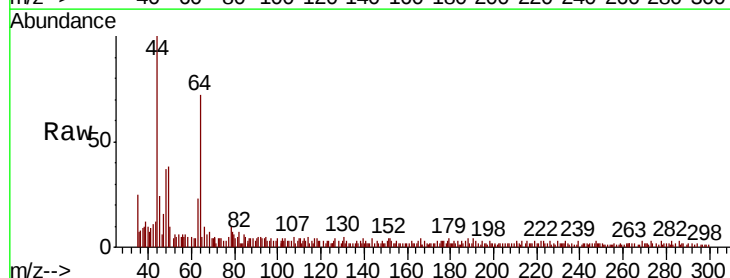
Acq: 06 Dec 2019 15:06

Tgt Ion: 64 Resp: 1937

Ion Ratio Lower Upper

64 100

66 1.7 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.59

6000

5000

4000

3000

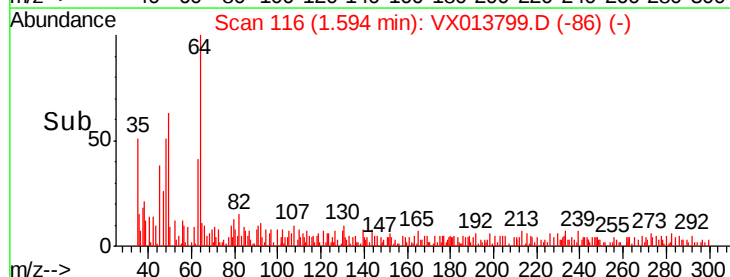
2000

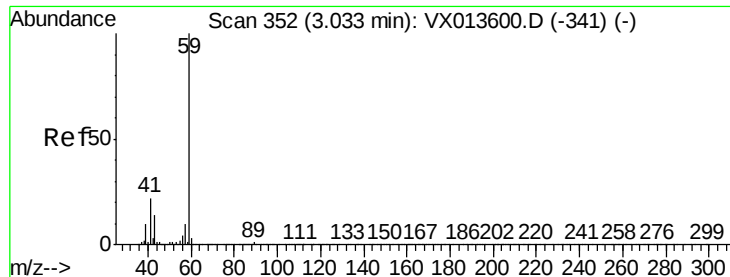
1000

0

Time-->

1.58 1.60 1.62



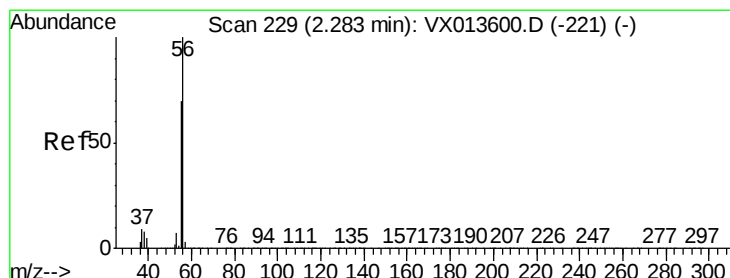
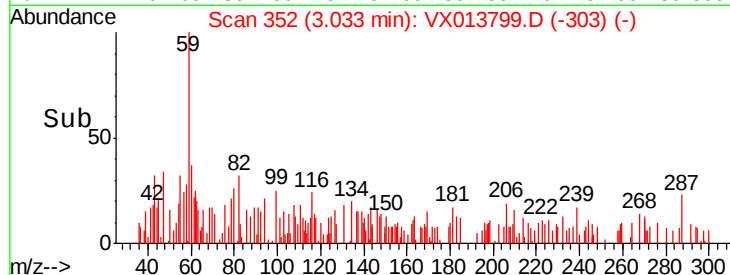
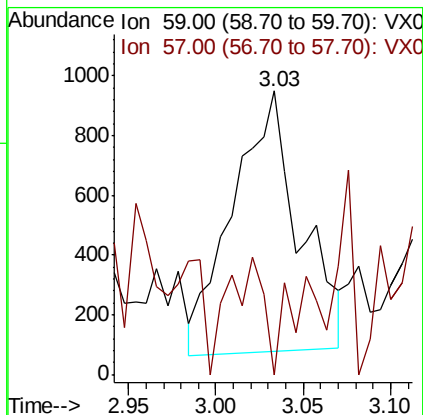
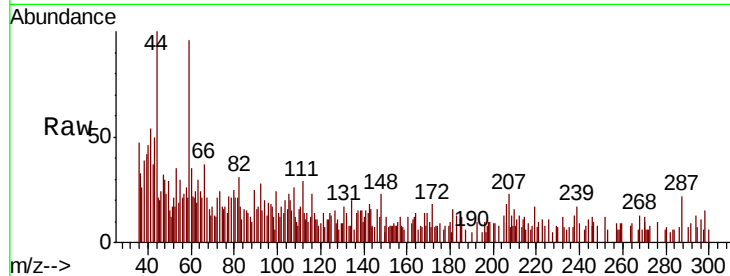


#11

Tert butyl alcohol
Concen: 1.264 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013799.D
Acq: 06 Dec 2019 15:06

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20191203

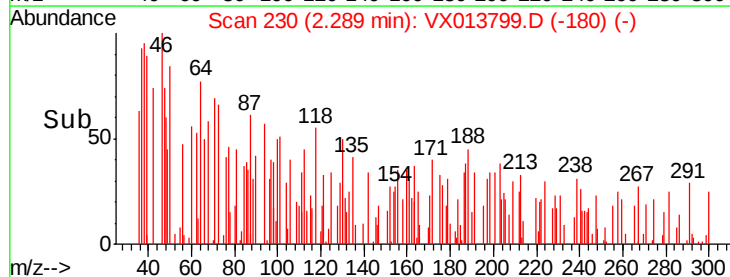
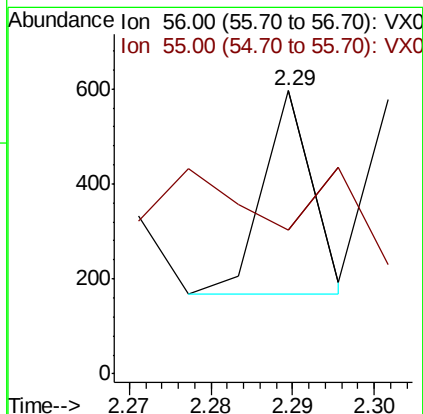
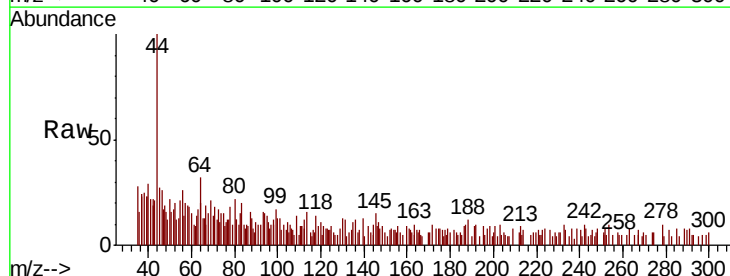
Tot Ion: 59 Resp: 2321
Ion Ratio Lower Upper
59 100
57 23.1 7.8 11.6#

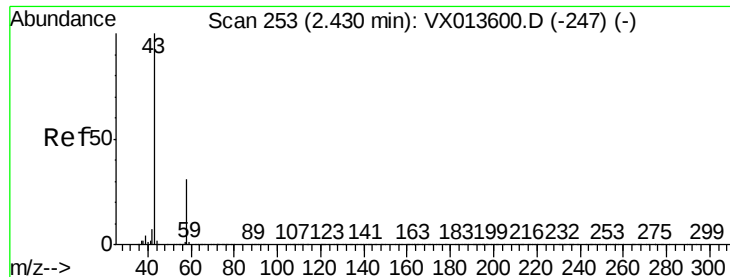


#13

Acrolein
Concen: 6.147 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX013799.D
Acq: 06 Dec 2019 15:06

Tgt Ion: 56 Resp: 180
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#16

Acetone

Concen: 2.492 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

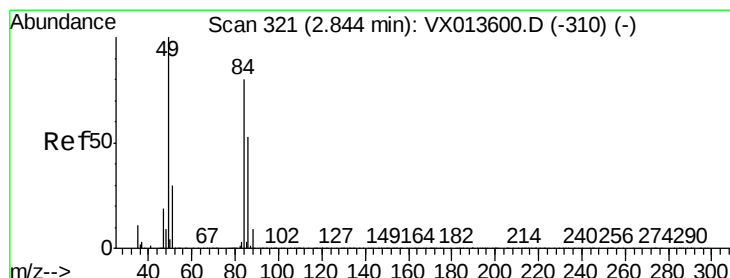
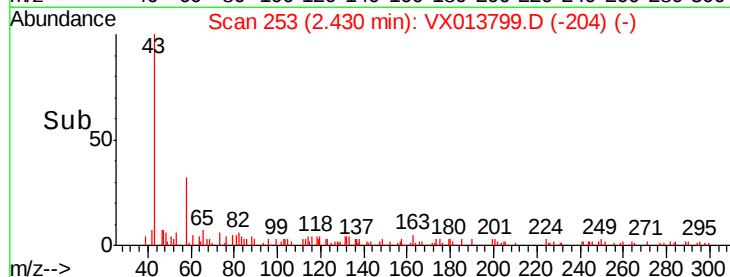
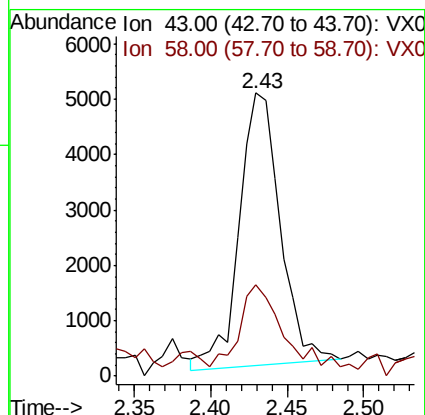
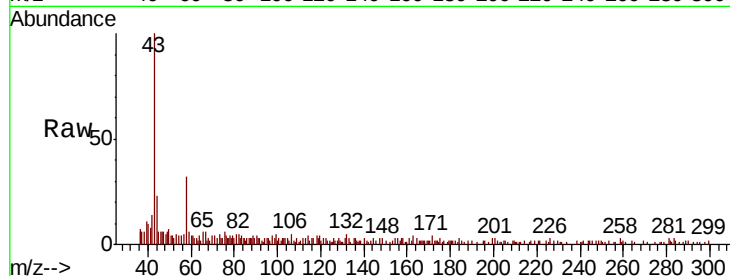
RE122D3-20191203

Tot Ion: 43 Resp: 9153

Ion Ratio Lower Upper

43 100

58 31.1 24.6 36.8



#20

Methylene Chloride

Concen: 0.328 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Tgt Ion: 84 Resp: 2317

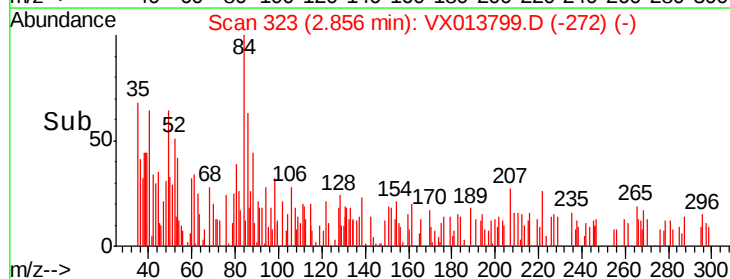
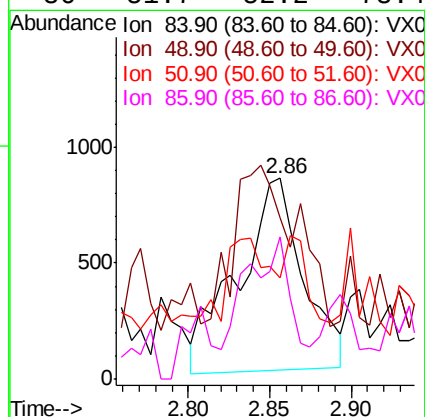
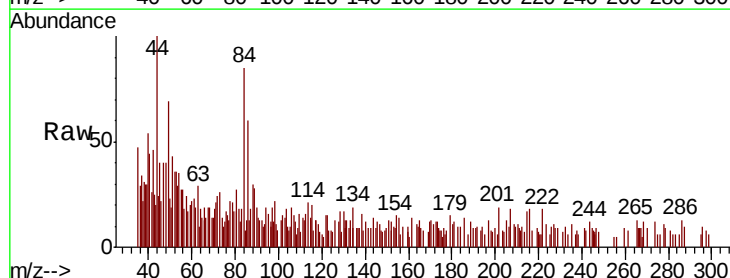
Ion Ratio Lower Upper

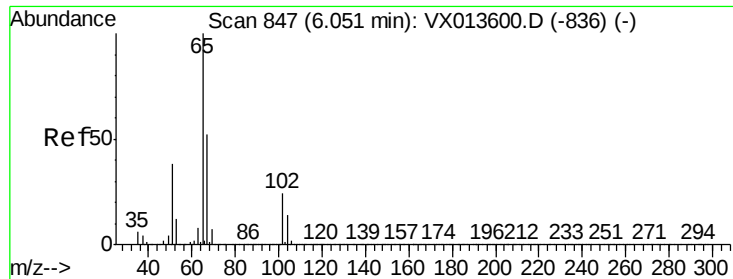
84 100

49 35.7 99.7 149.5#

51 20.3 29.9 44.9#

86 51.7 52.2 78.4#

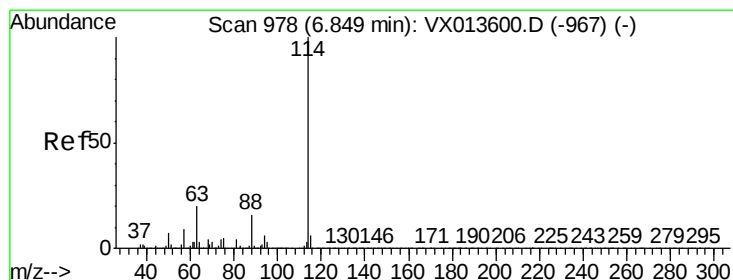
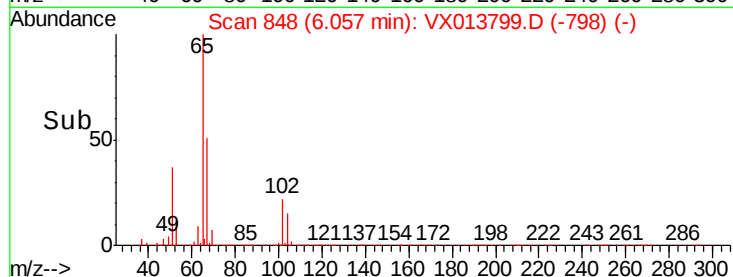
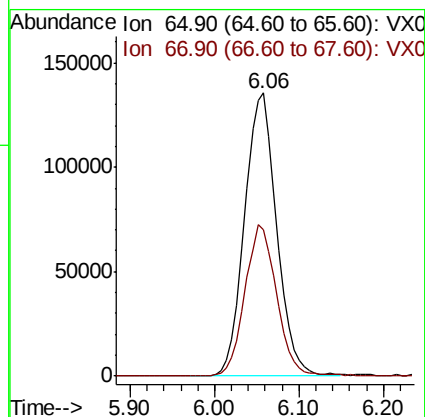
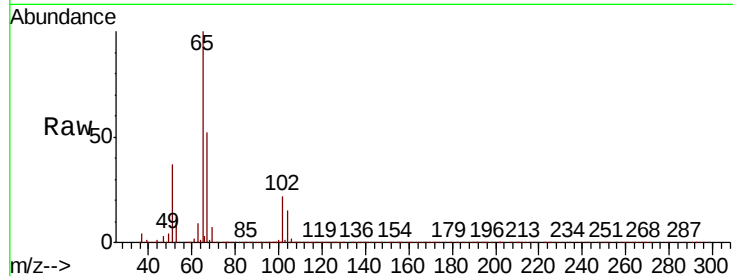




#33
 1,2-Dichloroethane-d4
 Concen: 47.158 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013799.D
 Acq: 06 Dec 2019 15:06

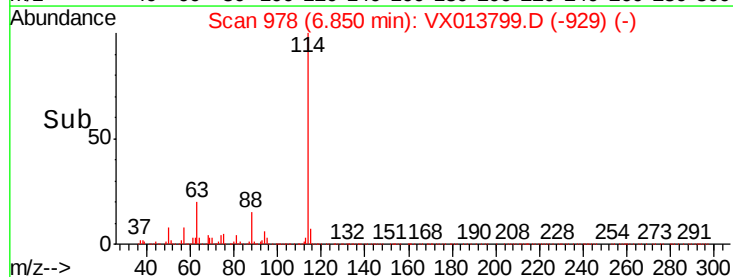
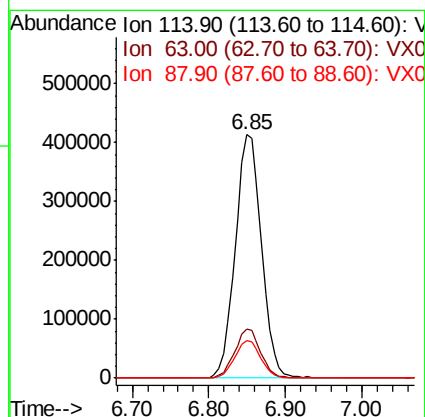
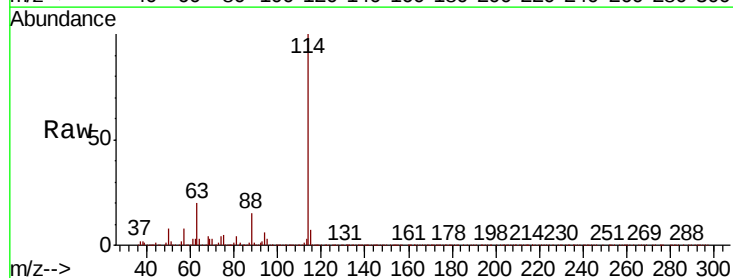
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20191203

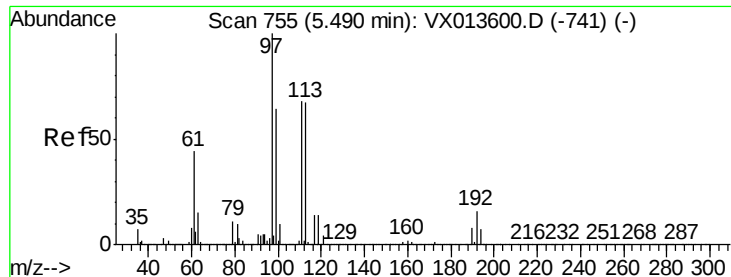
Tot Ion: 65 Resp: 350766
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013799.D
 Acq: 06 Dec 2019 15:06

Tgt Ion: 114 Resp: 976678
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.980 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20191203

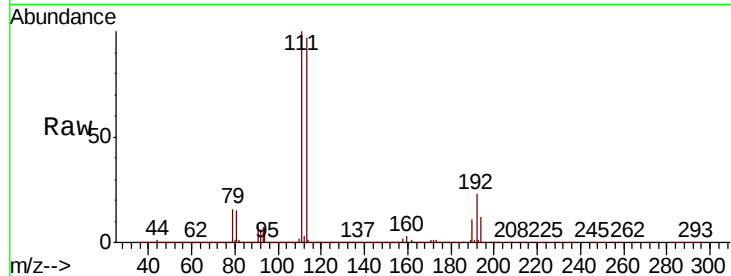
Tot Ion:113 Resp: 289698

Ion Ratio Lower Upper

113 100

111 103.4 83.6 125.4

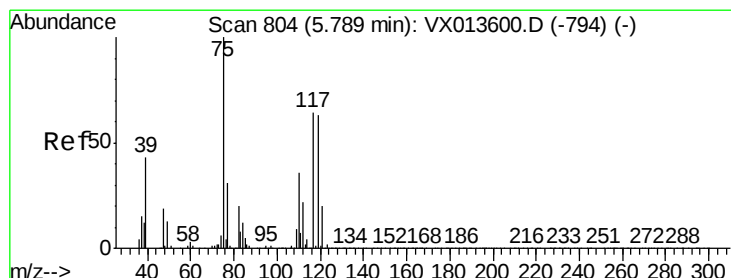
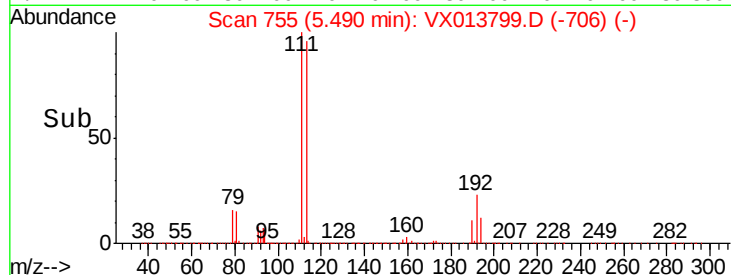
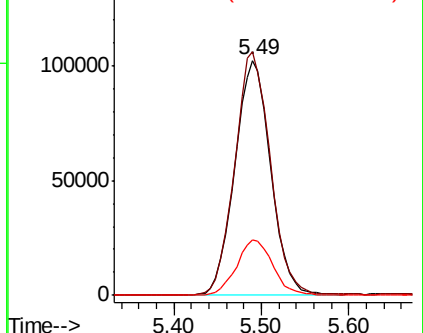
192 24.0 19.2 28.8



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: 4.781 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

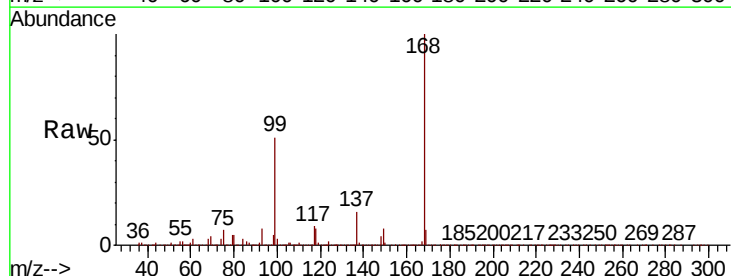
Tgt Ion: 75 Resp: 42383

Ion Ratio Lower Upper

75 100

110 11.0 18.1 54.1#

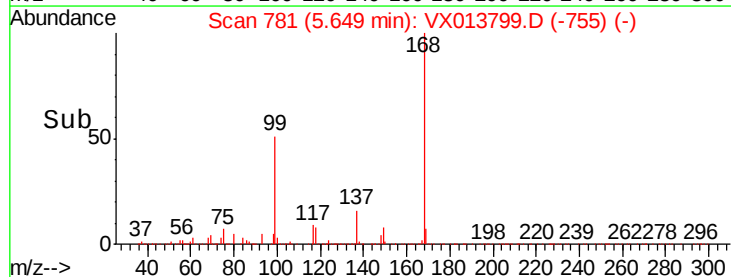
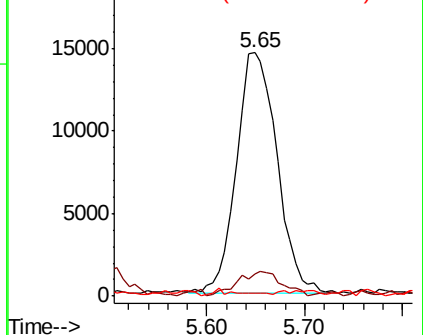
77 0.1 24.5 36.7#

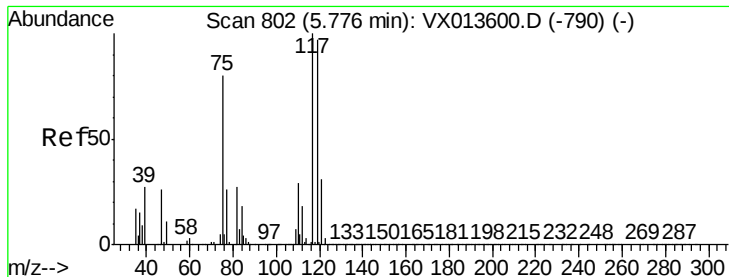


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.606 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

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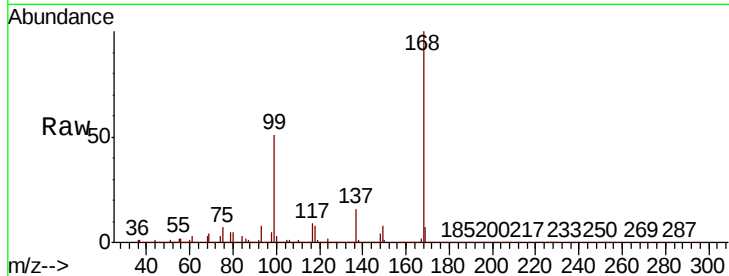
Tot Ion:117 Resp: 54001

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

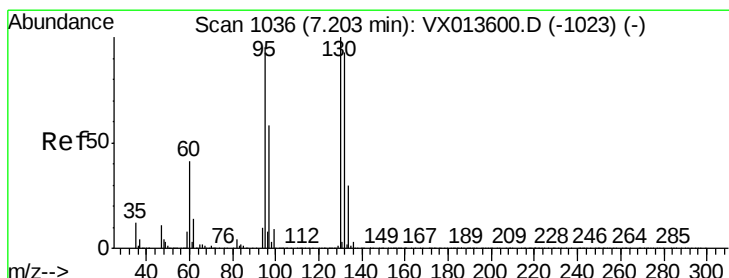
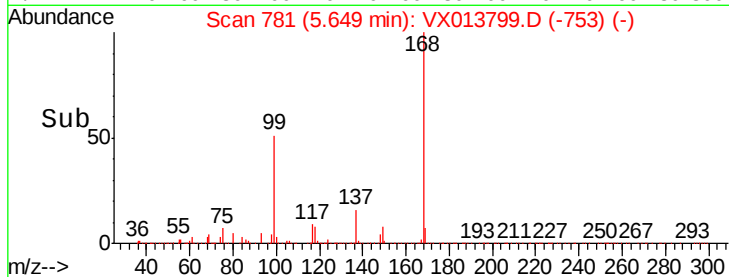
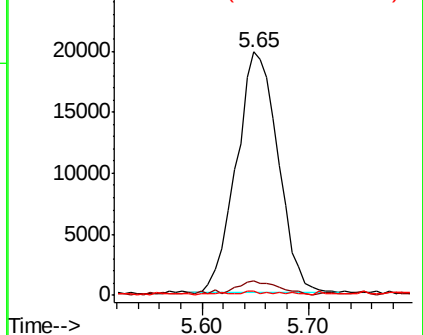
121 1.1 25.0 37.6#



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: 8.382 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013799.D

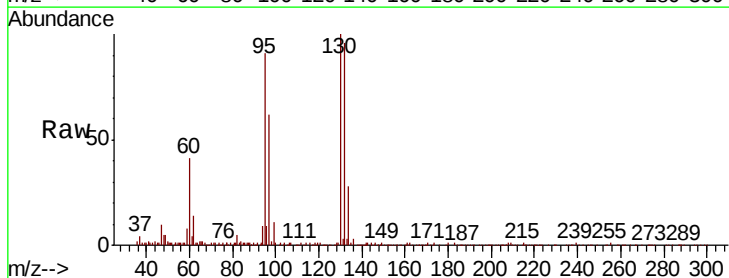
Acq: 06 Dec 2019 15:06

Tgt Ion:130 Resp: 62116

Ion Ratio Lower Upper

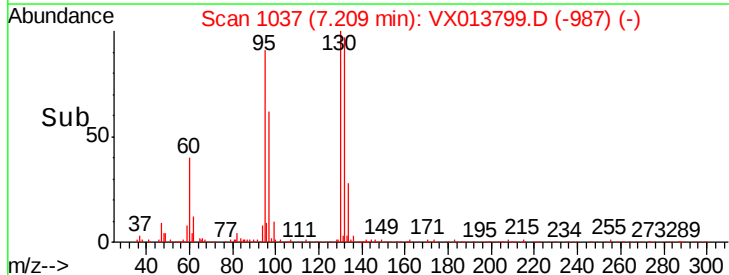
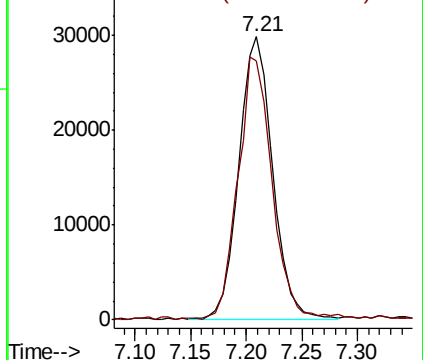
130 100

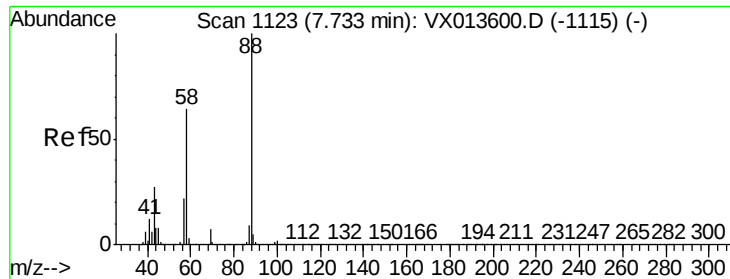
95 91.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.696 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

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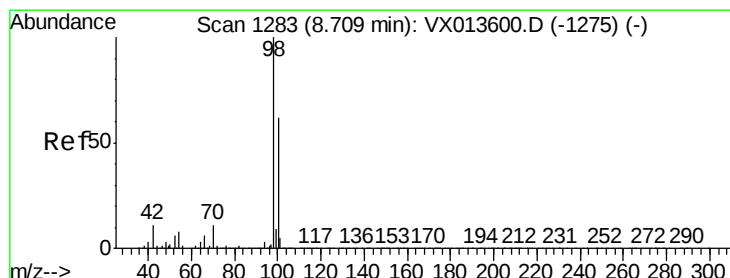
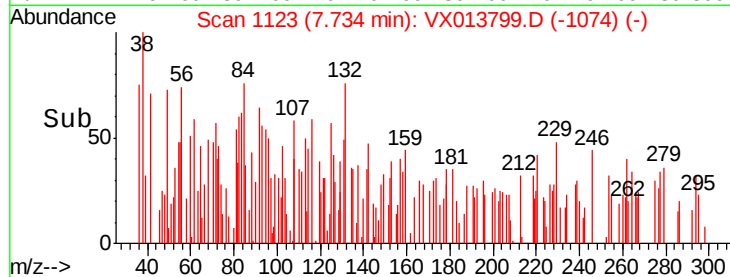
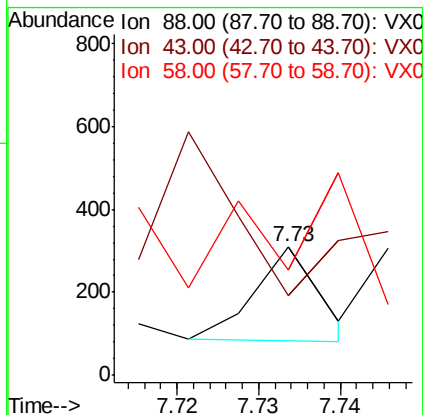
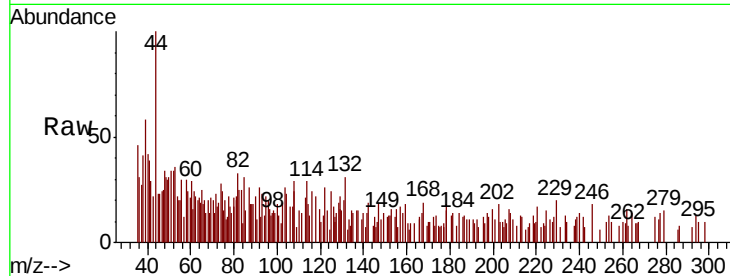
Tot Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 199.2 25.8 38.6#

58 156.5 54.6 82.0#



#50

Toluene-d8

Concen: 48.447 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013799.D

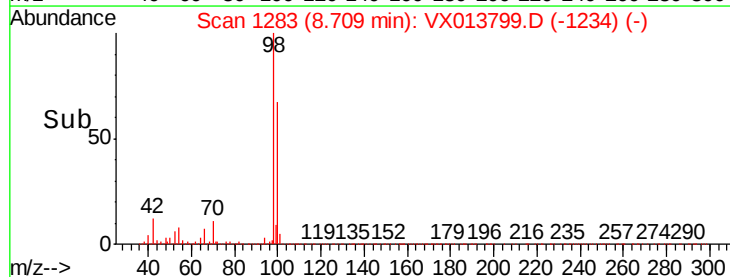
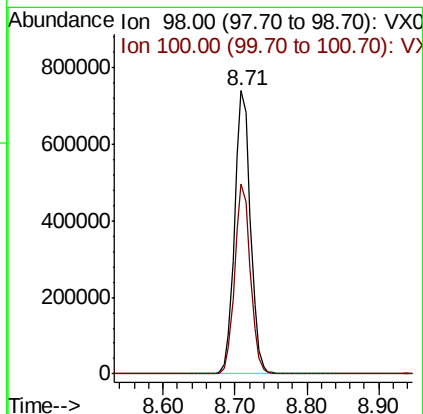
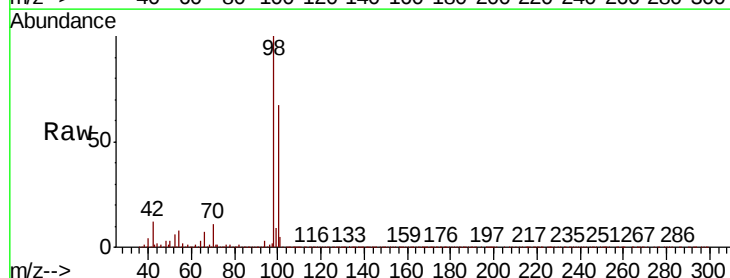
Acq: 06 Dec 2019 15:06

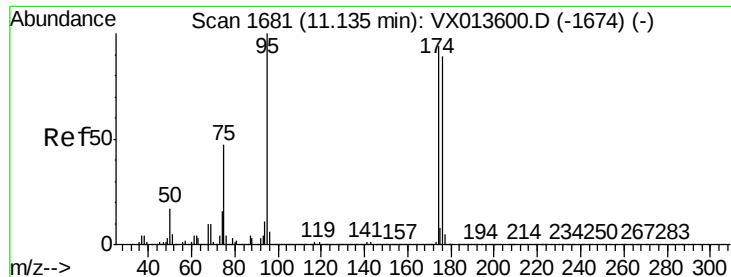
Tgt Ion: 98 Resp: 1139684

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 44.515 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20191203

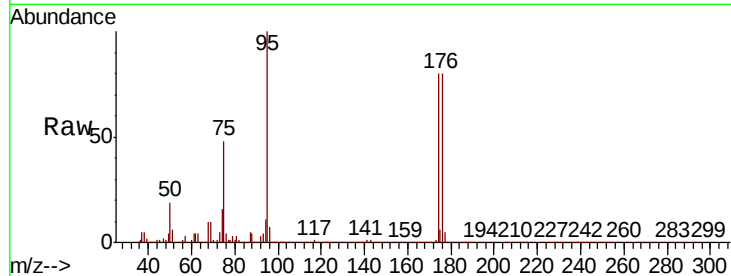
Tot Ion: 95 Resp: 377621

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.0

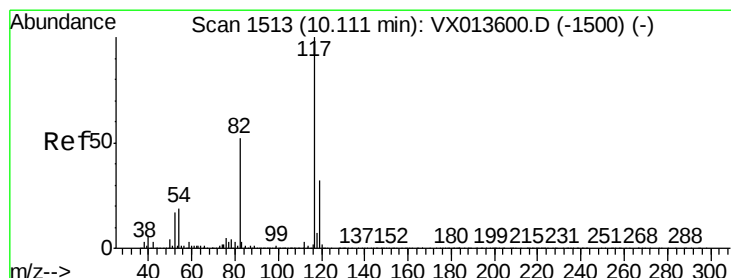
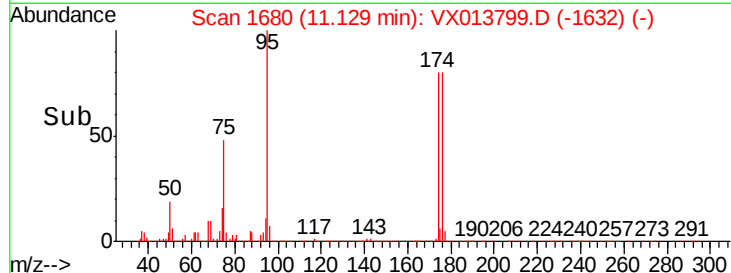
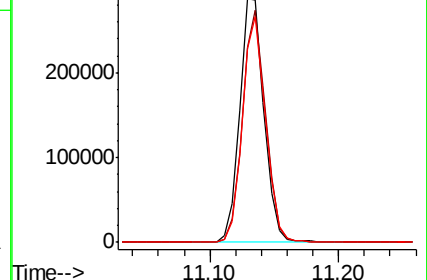
176 87.8 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

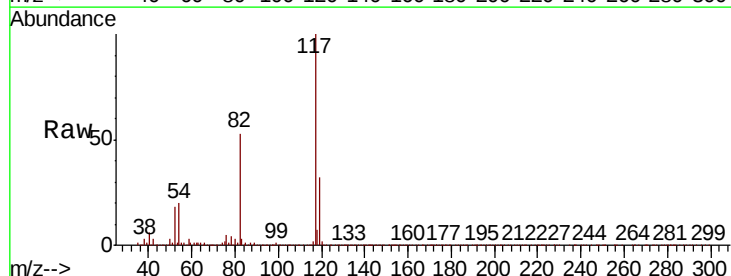
Tgt Ion: 117 Resp: 860764

Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.8

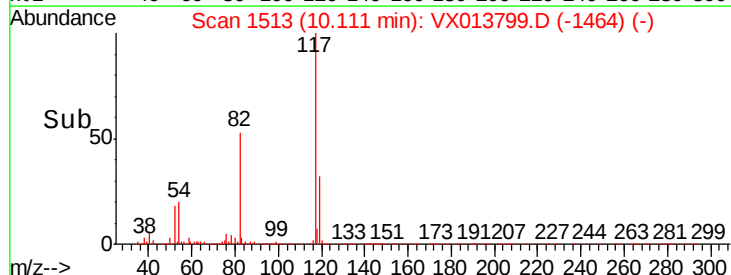
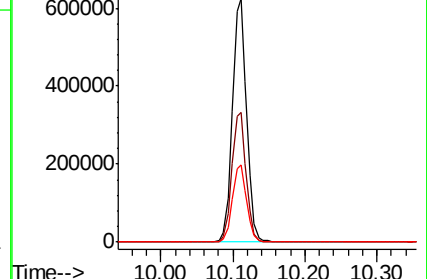
119 31.8 25.8 38.8

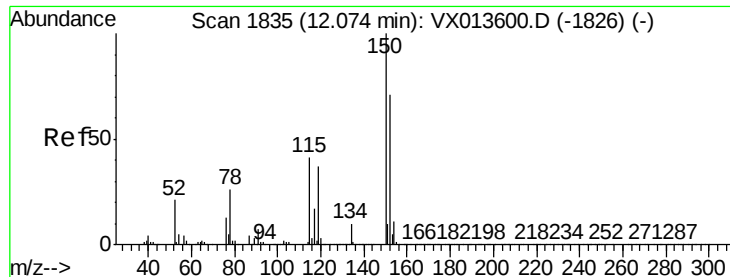


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20191203

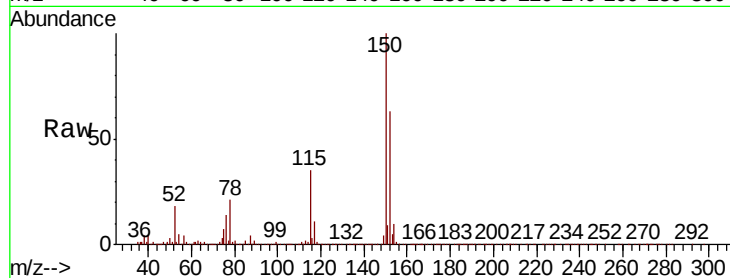
Tot Ion:152 Resp: 369778

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

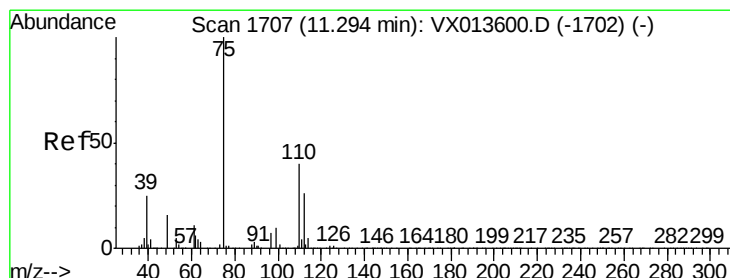
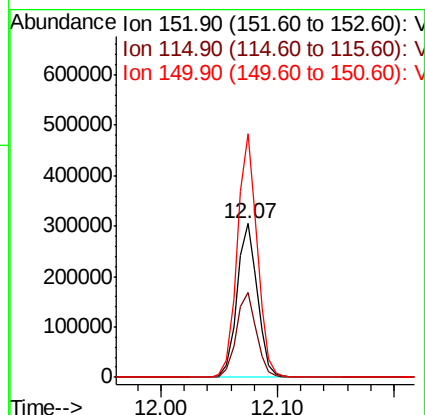
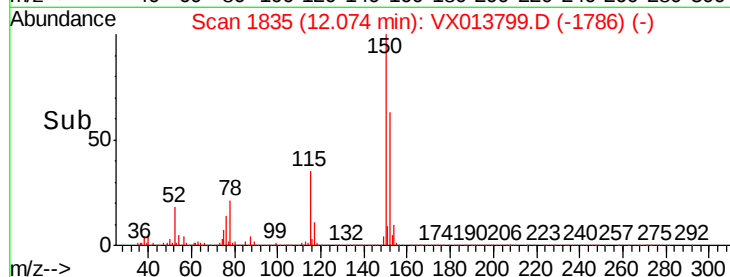
150 155.3 0.0 346.8



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: 22.103 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013799.D

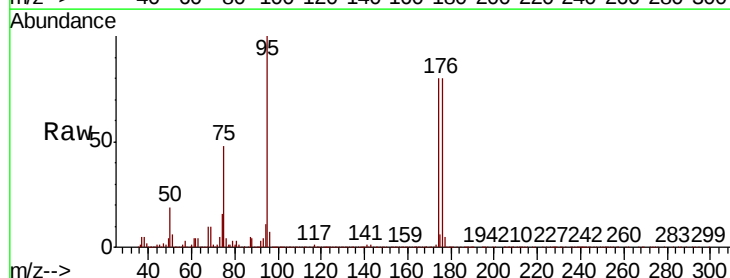
Acq: 06 Dec 2019 15:06

Tgt Ion: 75 Resp: 183828

Ion Ratio Lower Upper

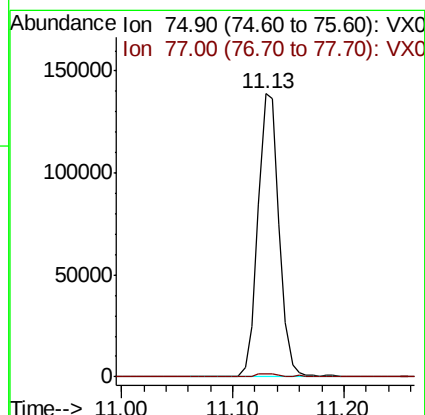
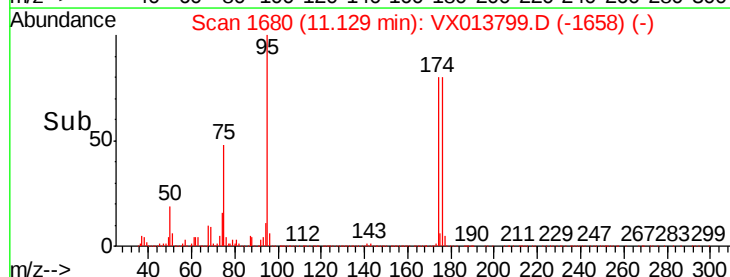
75 100

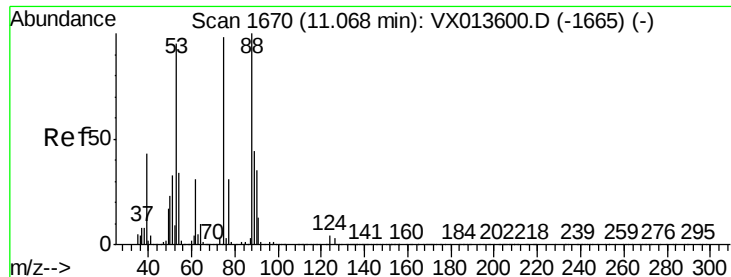
77 1.2 19.1 57.5#



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: 60.469 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20191203

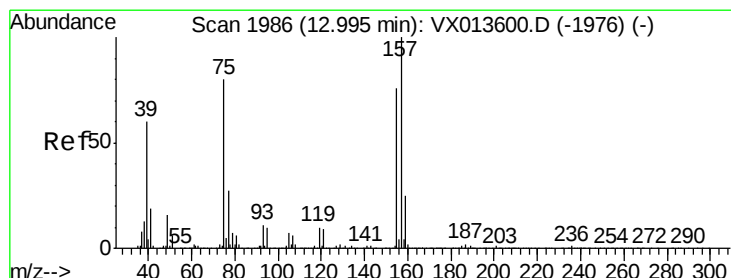
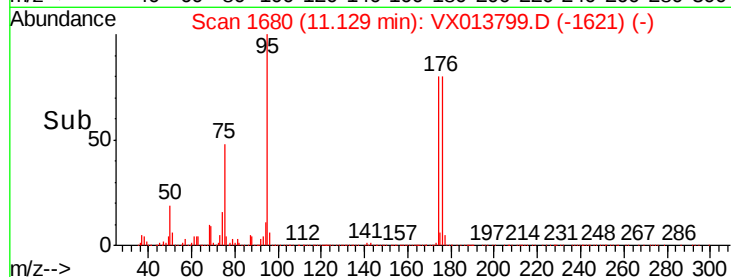
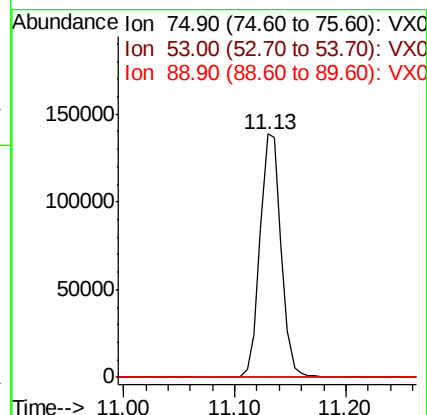
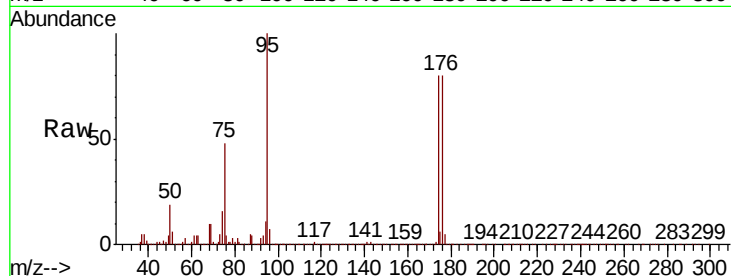
Tot Ion: 75 Resp: 183828

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.4 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.201 ug/l

RT: 13.02 min Scan# 1990

Delta R.T. 0.02 min

Lab File: VX013799.D

Acq: 06 Dec 2019 15:06

Tgt Ion: 75 Resp: 394

Ion Ratio Lower Upper

75 100

155 86.8 47.6 142.8

157 64.0 62.1 186.2

