

Data File : VX013889.D
Acq On : 10 Dec 2019 11:37
Operator : JC/SP
Sample : K6185-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB01-20191205

Quant Time: Dec 11 02:20:35 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	607546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	936503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	824588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	358014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	341474	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	5.48	113	281811	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
50) Toluene-d8	8.71	98	1095799	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	367637	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	

Target Compounds

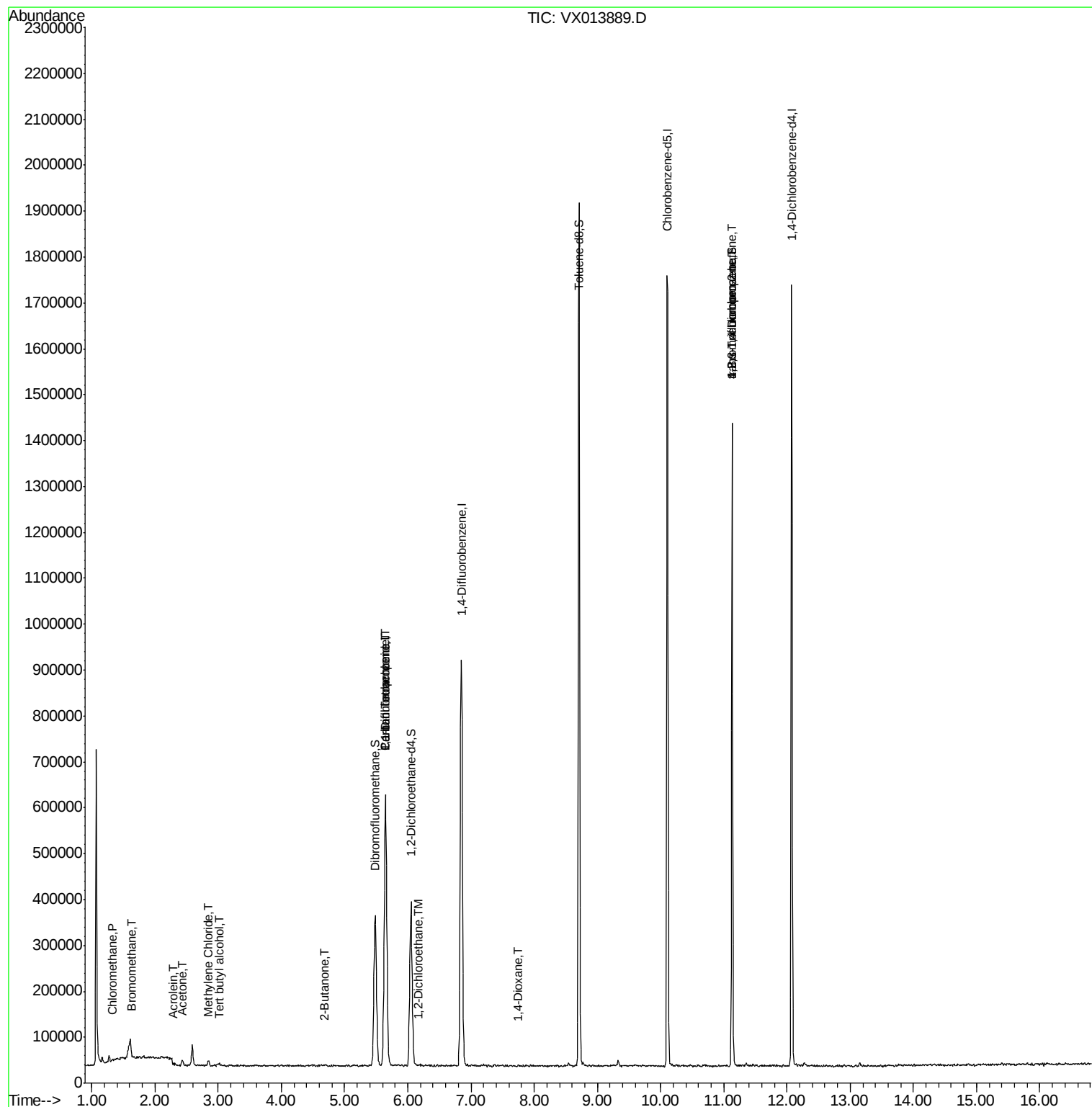
						Qvalue
3) Chloromethane	1.32	50	1654	0.218	ug/l #	69
5) Bromomethane	1.64	94	1229	0.214	ug/l #	55
11) Tert butyl alcohol	3.02	59	5632	3.235	ug/l	97
13) Acrolein	2.29	56	1135	6.955	ug/l #	15
16) Acetone	2.43	43	13565	3.896	ug/l	89
20) Methylene Chloride	2.84	84	6893	1.030	ug/l #	86
25) 2-Butanone	4.68	43	1598	0.309	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	40727	4.791	ug/l #	52
38) Carbon Tetrachloride	5.64	117	53709	6.852	ug/l #	16
42) 1,2-Dichloroethane	6.18	62	2184	0.247	ug/l #	36
49) 1,4-Dioxane	7.73	88	341	1.997	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	178244	22.136	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	178244	60.559	ug/l #	11

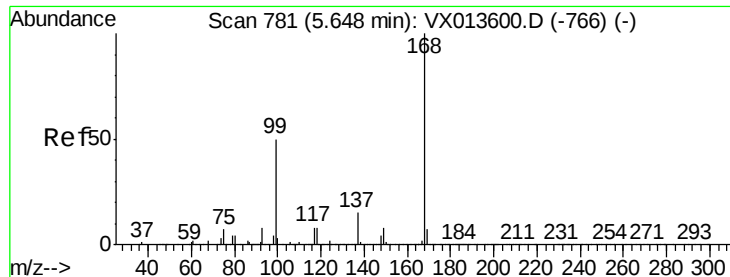
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

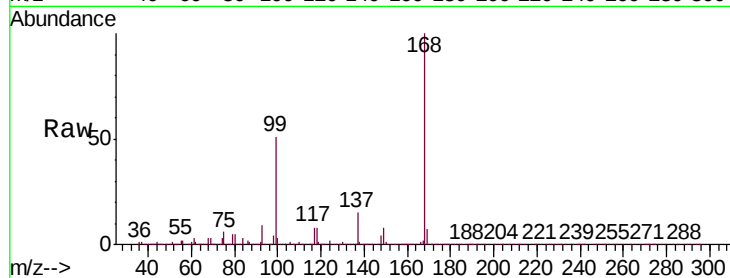
EB01-20191205

Tgt Ion:168 Resp: 607546

Ion Ratio Lower Upper

168 100

99 50.7 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

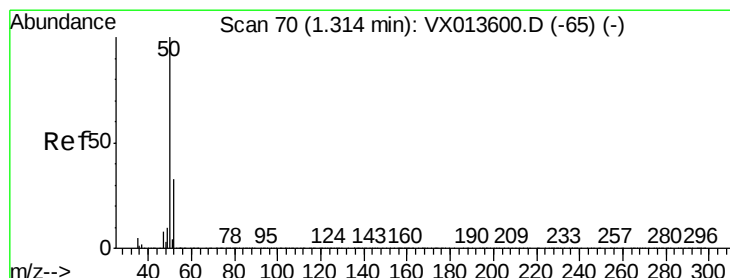
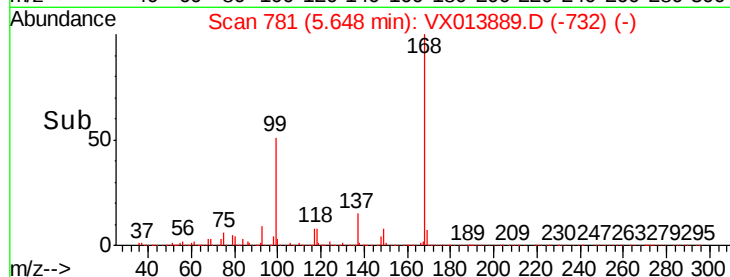
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.218 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013889.D

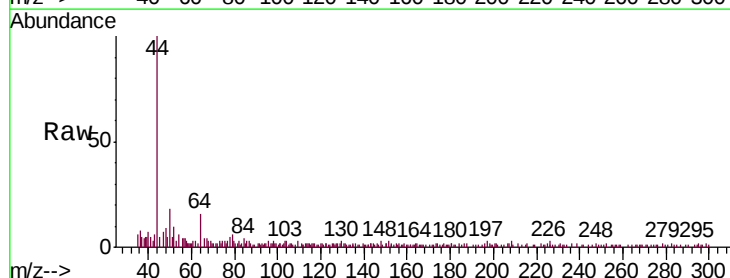
Acq: 10 Dec 2019 11:37

Tgt Ion: 50 Resp: 1654

Ion Ratio Lower Upper

50 100

52 50.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1500

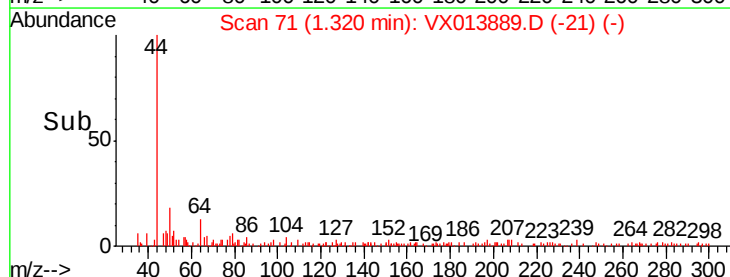
1000

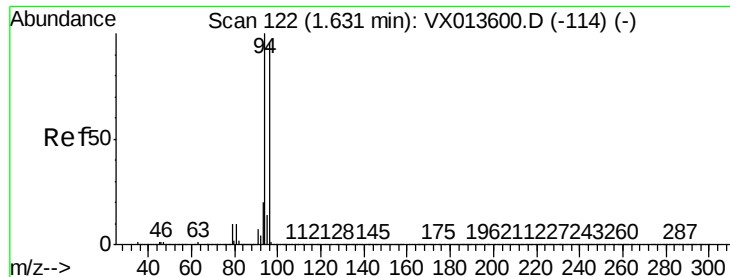
500

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.214 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampled :

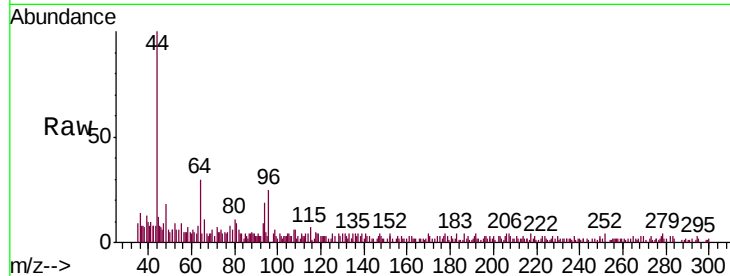
EB01-20191205

Tgt Ion: 94 Resp: 1229

Ion Ratio Lower Upper

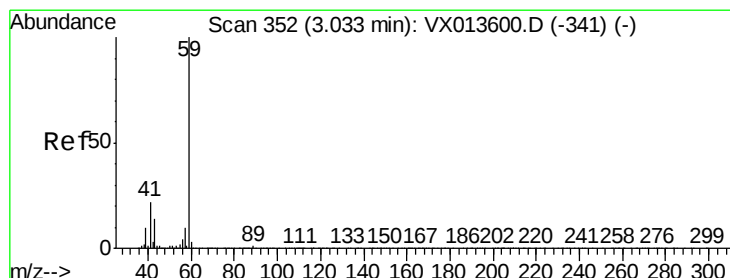
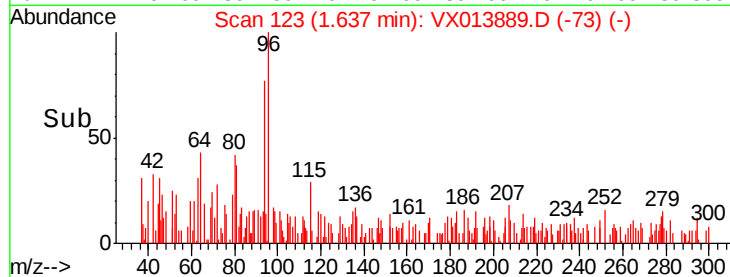
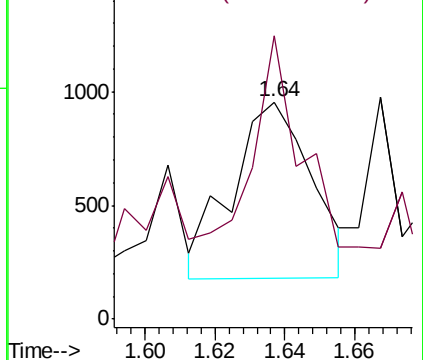
94 100

96 139.8 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 3.235 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX013889.D

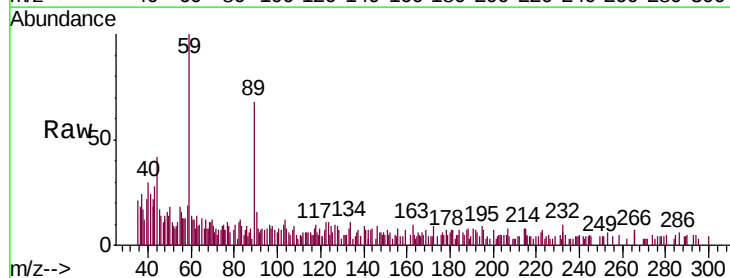
Acq: 10 Dec 2019 11:37

Tgt Ion: 59 Resp: 5632

Ion Ratio Lower Upper

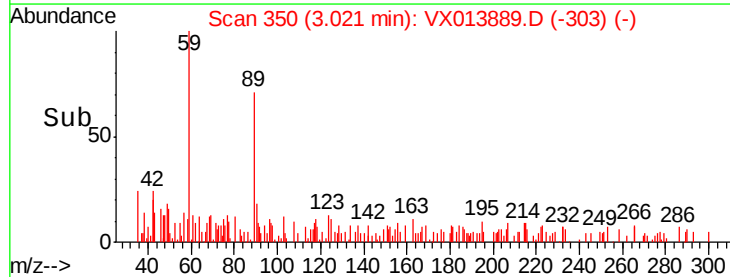
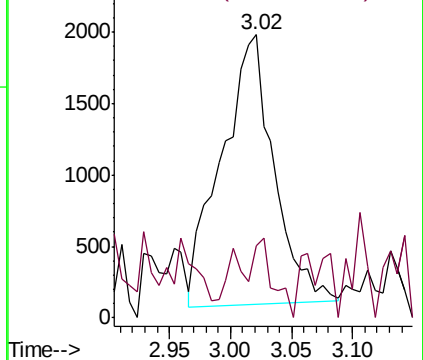
59 100

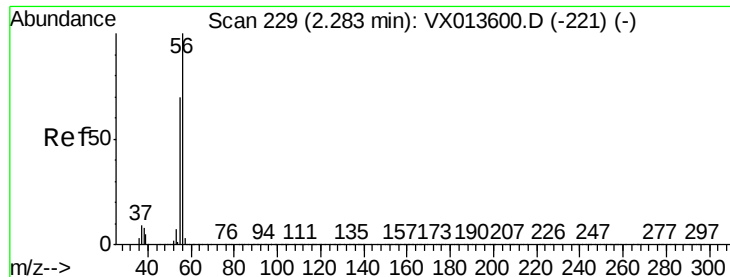
57 10.9 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.955 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

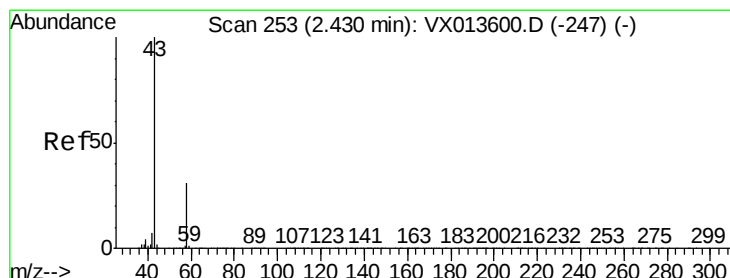
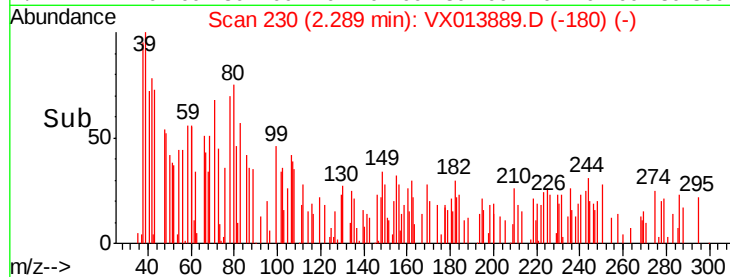
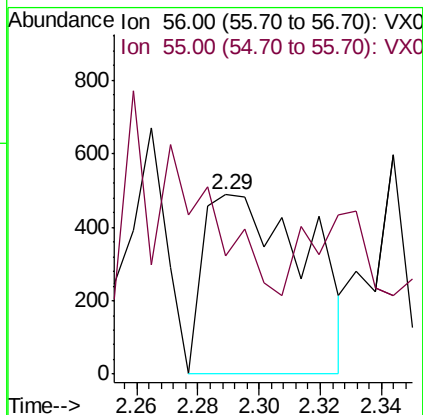
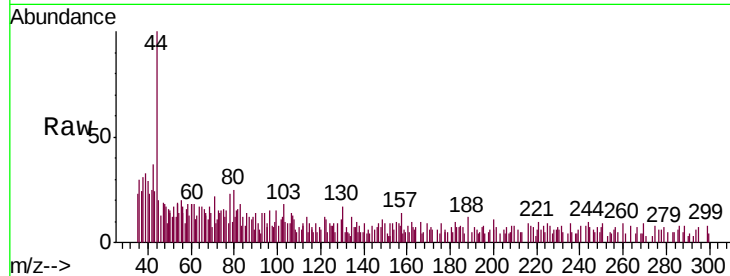
EB01-20191205

Tgt Ion: 56 Resp: 1135

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 3.896 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013889.D

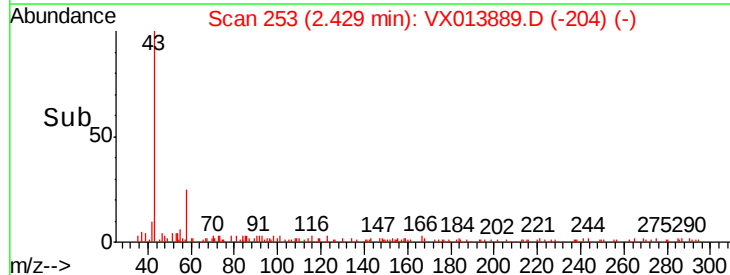
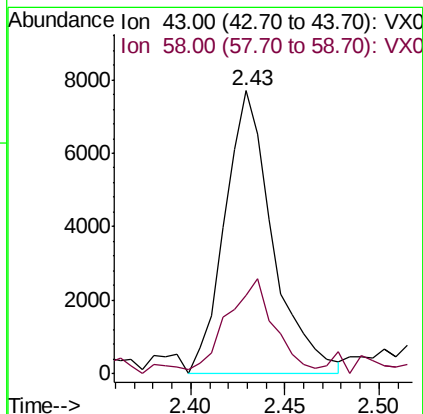
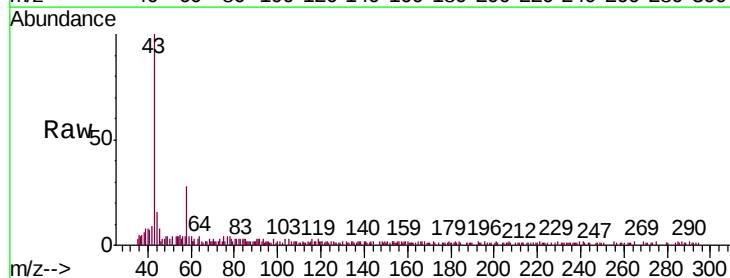
Acq: 10 Dec 2019 11:37

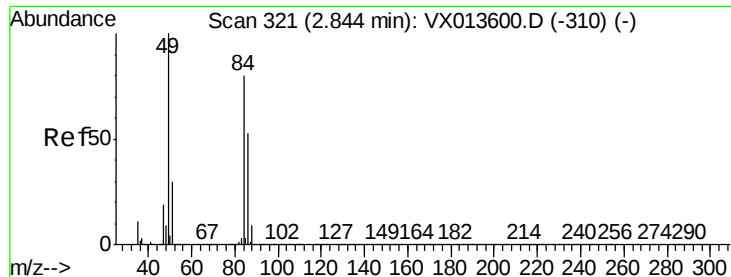
Tgt Ion: 43 Resp: 13565

Ion Ratio Lower Upper

43 100

58 24.8 24.6 36.8

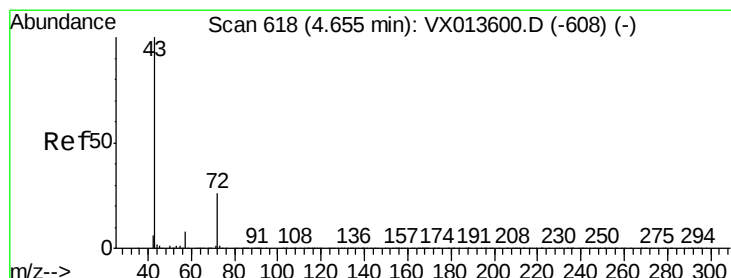
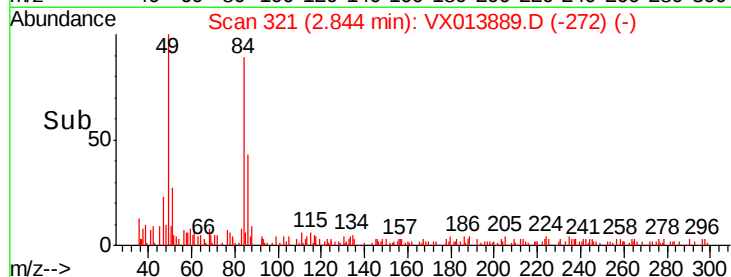
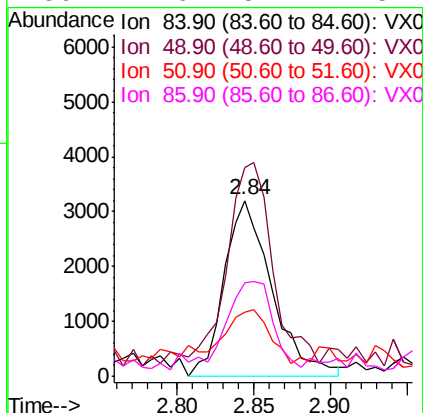
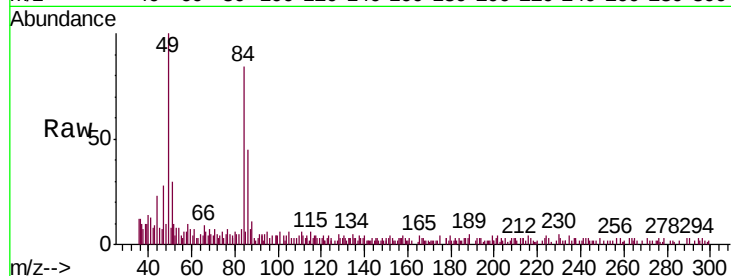




#20
Methylene Chloride
Concen: 1.030 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

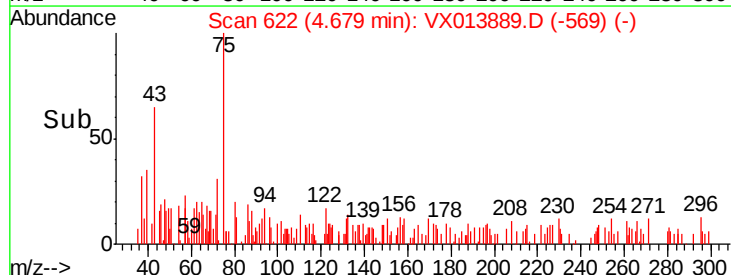
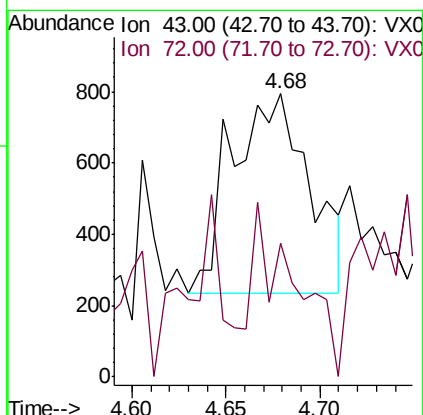
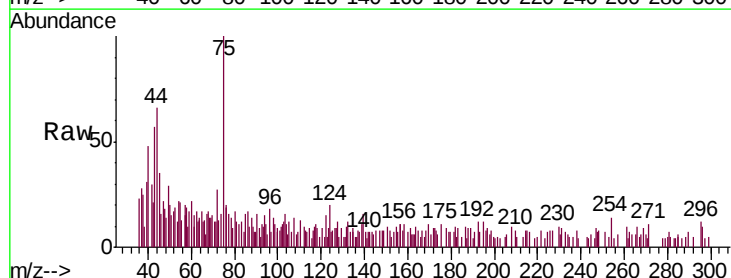
Instrument :
MSVOA_X
ClientSampleId :
EB01-20191205

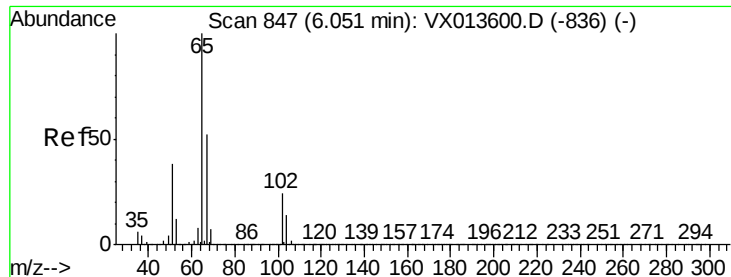
Tgt Ion: 84 Resp: 6893
Ion Ratio Lower Upper
84 100
49 113.6 99.7 149.5
51 29.1 29.9 44.9#
86 47.6 52.2 78.4#



#25
2-Butanone
Concen: 0.309 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
72 98.9 20.6 31.0#





#33

1,2-Dichloroethane-d4

Concen: 48.421 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

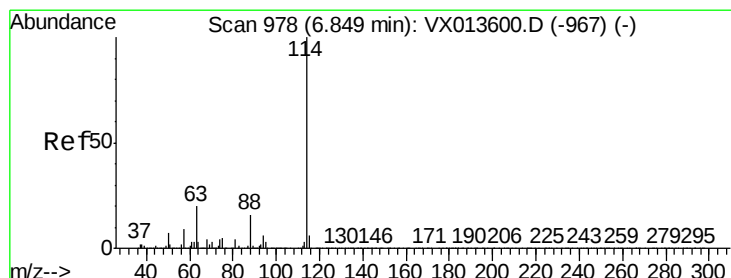
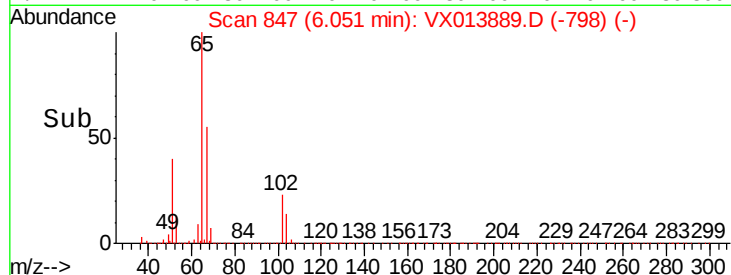
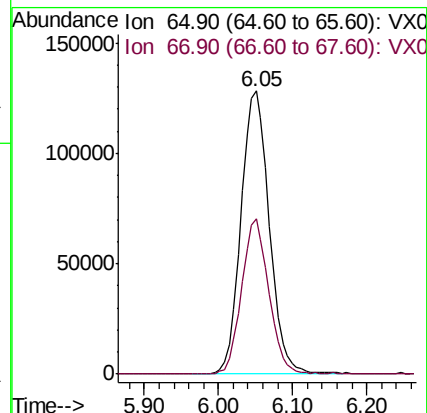
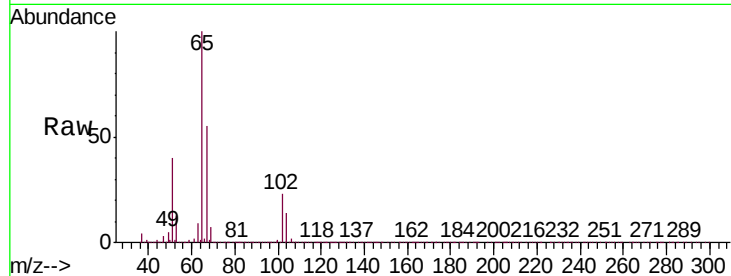
EB01-20191205

Tgt Ion: 65 Resp: 341474

Ion Ratio Lower Upper

65 100

67 52.6 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: VX013889.D

Acq: 10 Dec 2019 11:37

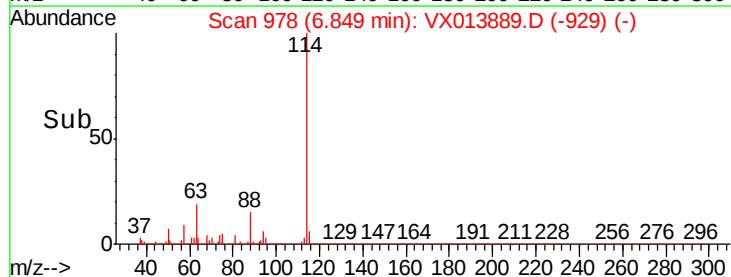
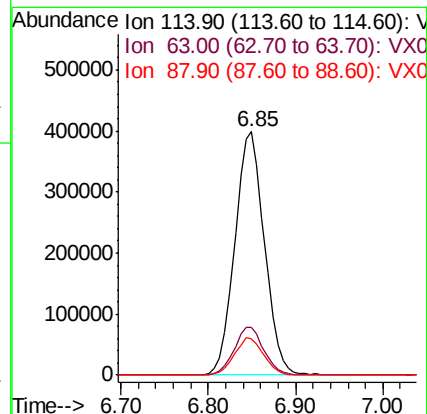
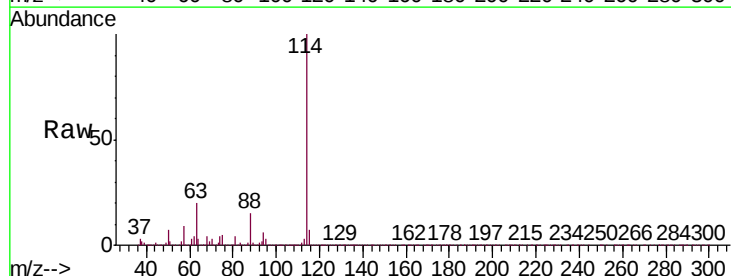
Tgt Ion: 114 Resp: 936503

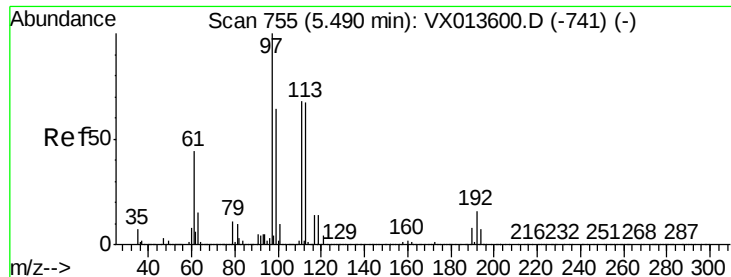
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 14.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.676 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

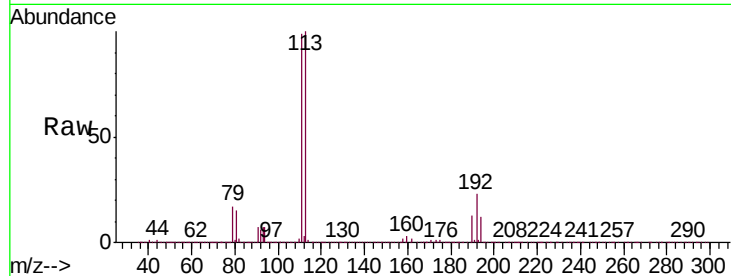
Tgt Ion:113 Resp: 281811

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

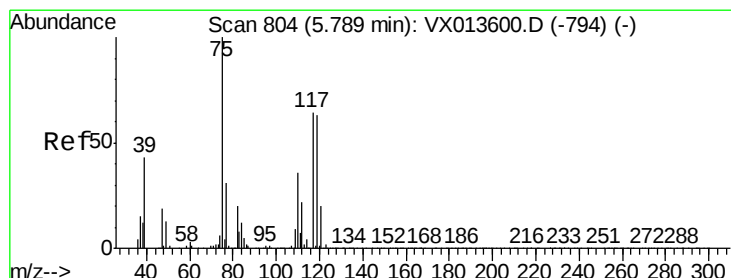
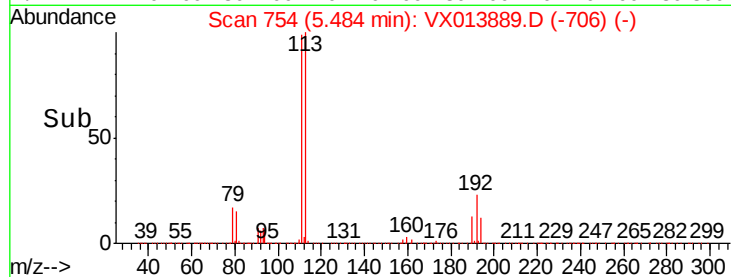
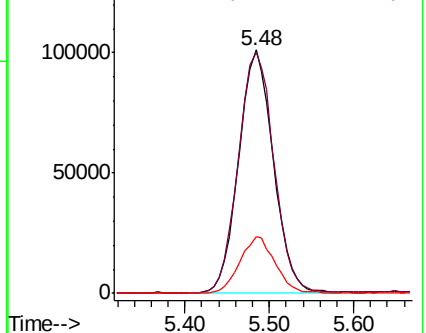
192 23.5 19.2 28.8



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: 4.791 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

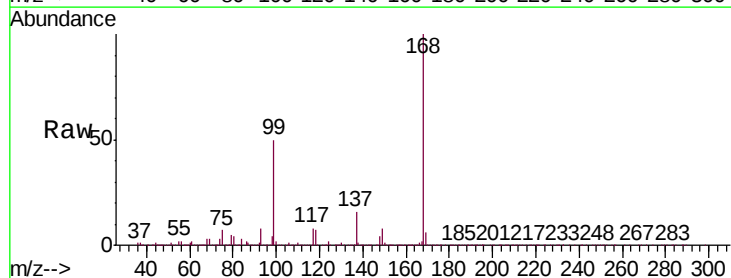
Tgt Ion: 75 Resp: 40727

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

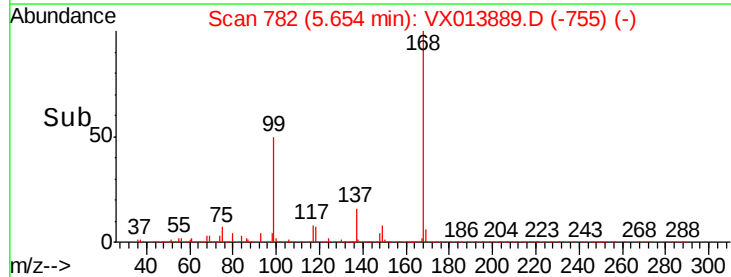
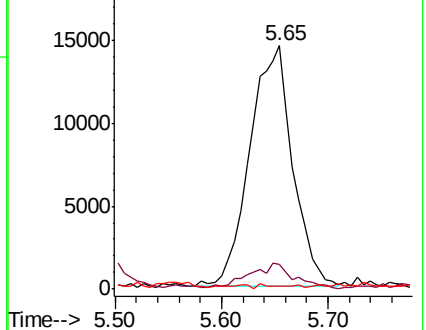
77 0.6 24.5 36.7#

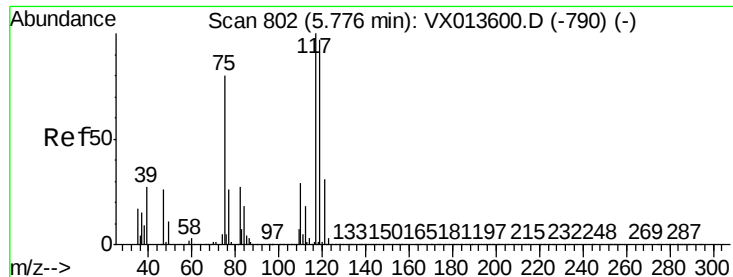


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

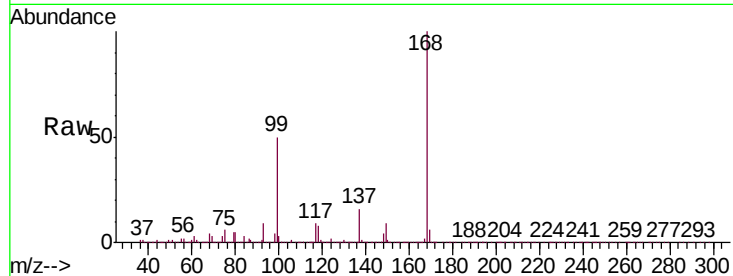
Tgt Ion:117 Resp: 53709

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

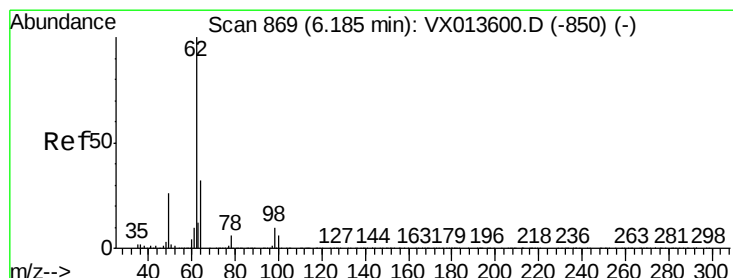
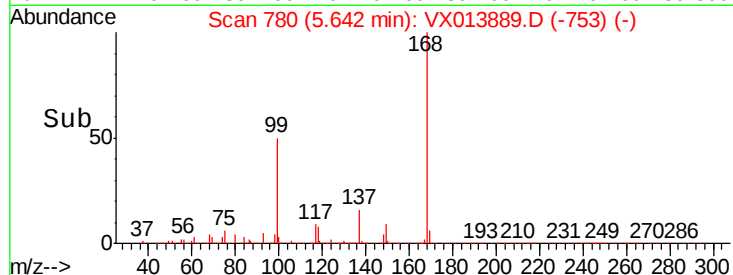
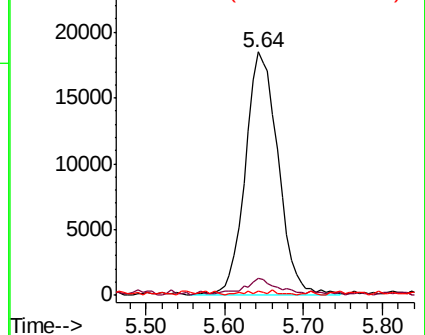
121 0.2 25.0 37.6#



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



#42

1,2-Dichloroethane

Concen: 0.247 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX013889.D

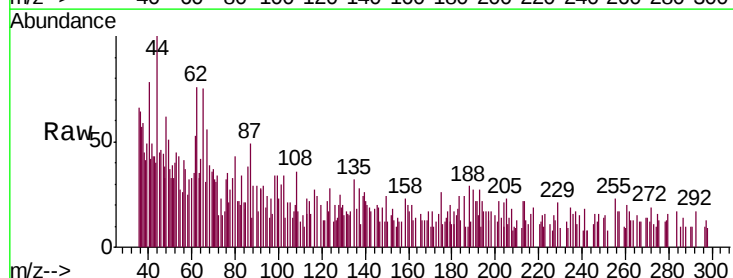
Acq: 10 Dec 2019 11:37

Tgt Ion: 62 Resp: 2184

Ion Ratio Lower Upper

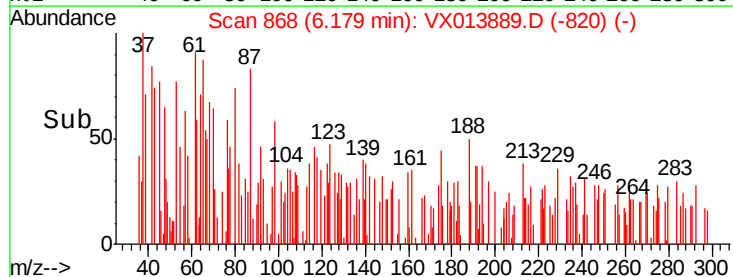
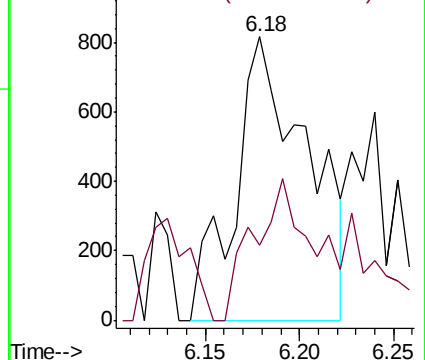
62 100

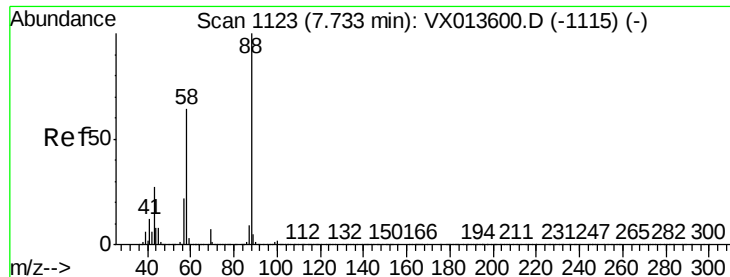
98 34.4 0.0 20.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

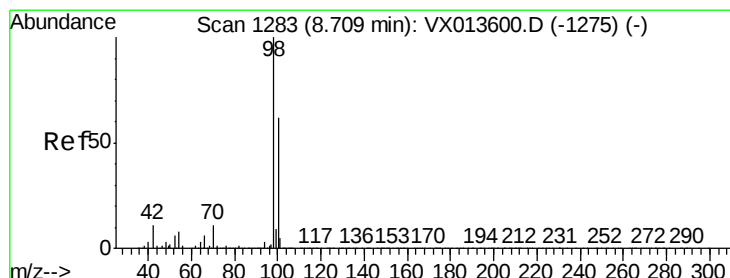
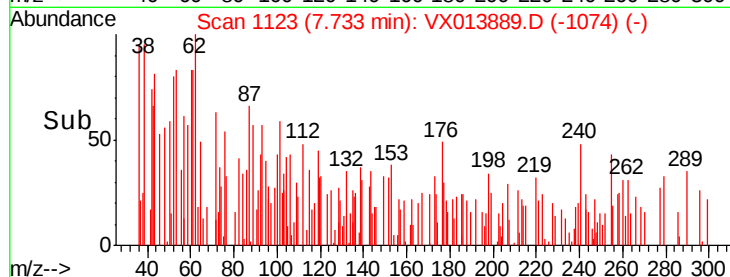
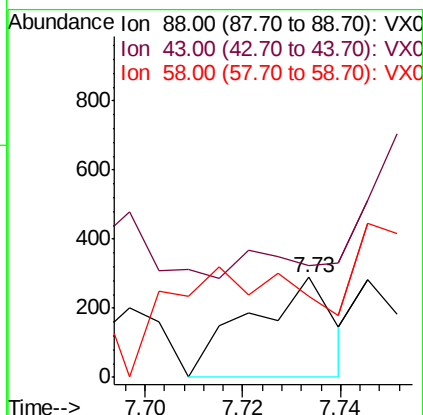
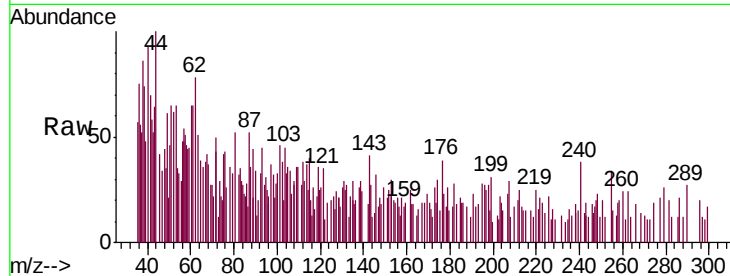




#49
1,4-Dioxane
Concen: 1.997 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

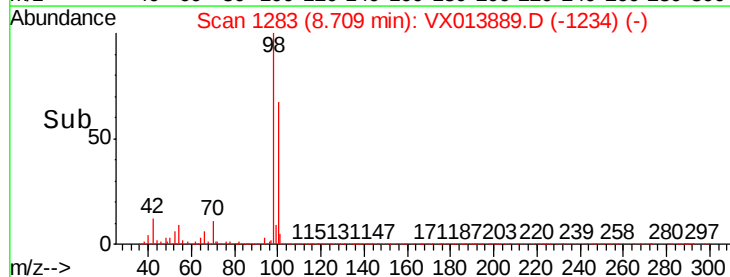
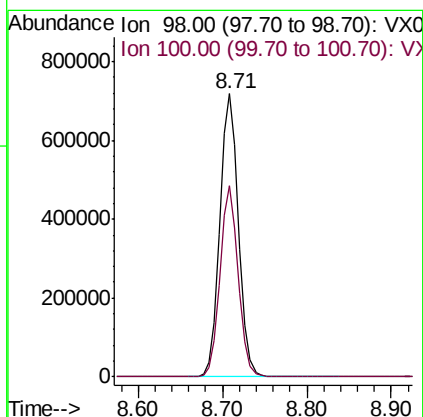
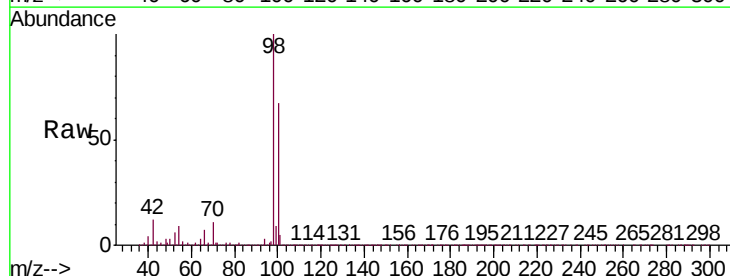
Instrument :
MSVOA_X
ClientSampled :
EB01-20191205

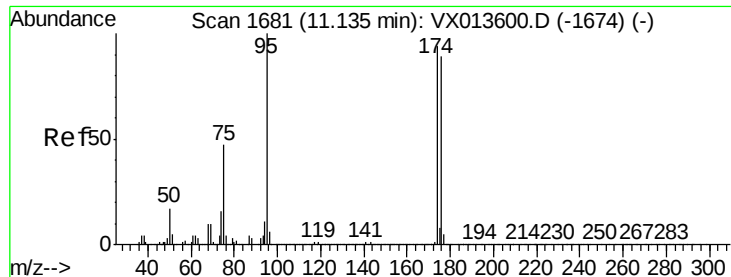
Tgt Ion: 88 Resp: 341
Ion Ratio Lower Upper
88 100
43 159.8 25.8 38.6#
58 239.3 54.6 82.0#



#50
Toluene-d8
Concen: 48.579 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

Tgt Ion: 98 Resp: 1095799
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

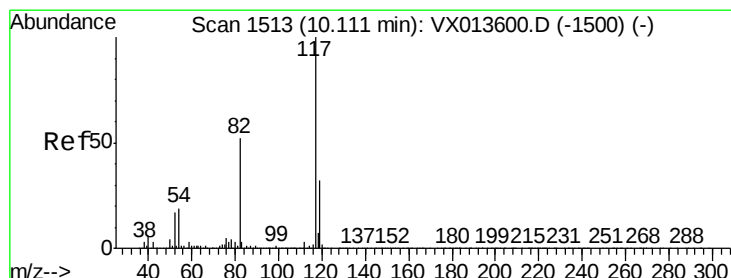
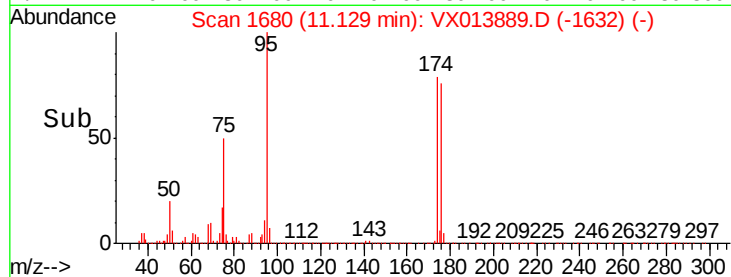
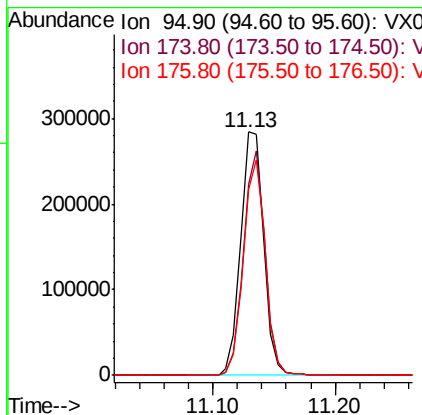
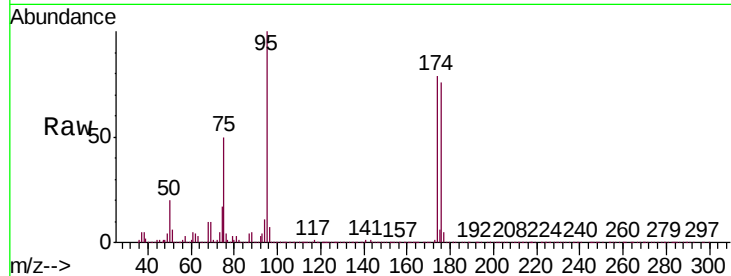




#62
4-Bromofluorobenzene
Concen: 45.197 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

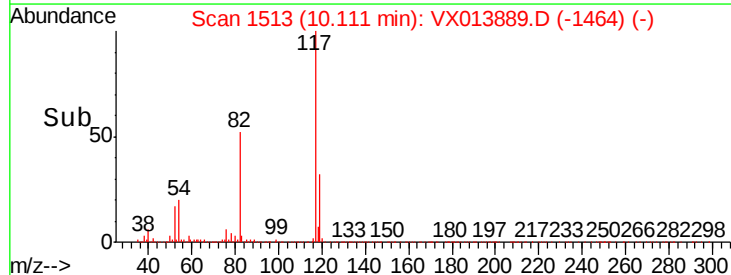
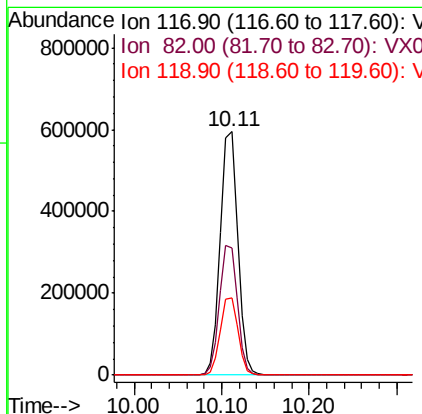
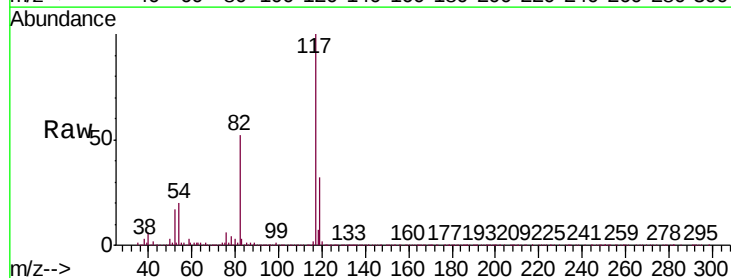
Instrument :
MSVOA_X
ClientSampleId :
EB01-20191205

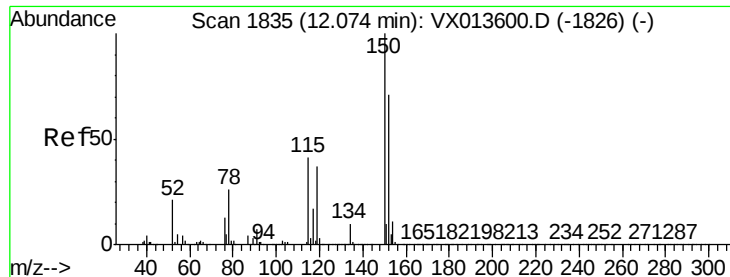
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	180.0
176	84.8	0.0	173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	31.9	25.8	38.8



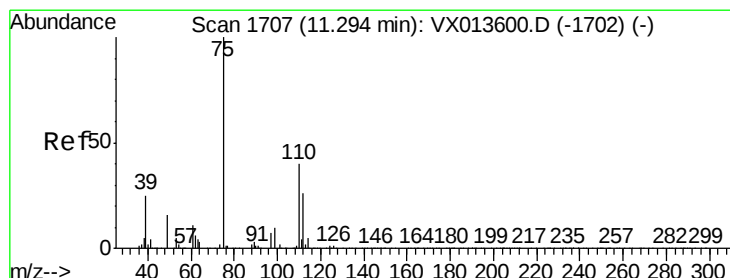
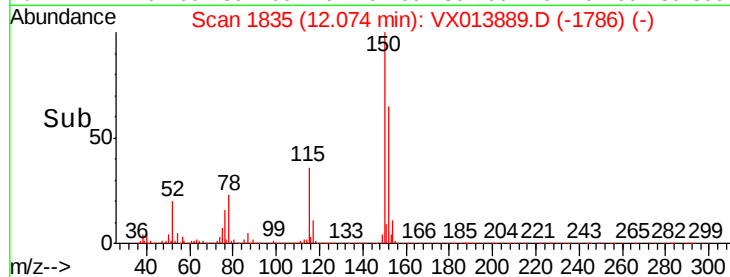
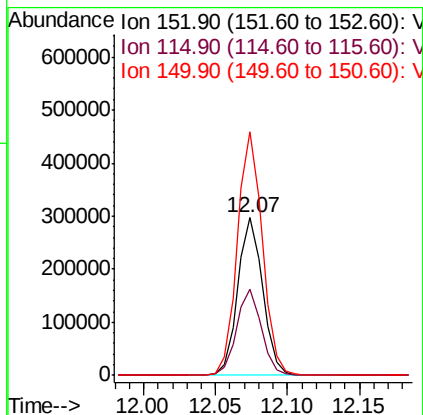
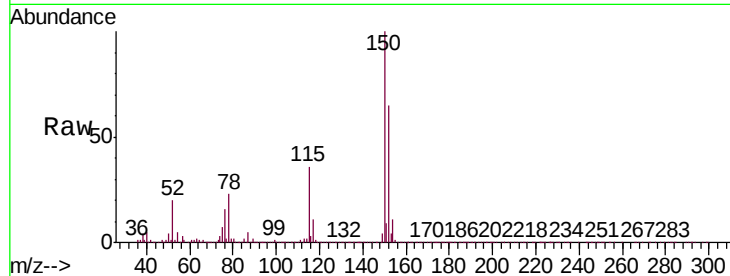


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

Instrument :
MSVOA_X
ClientSampleId :
EB01-20191205

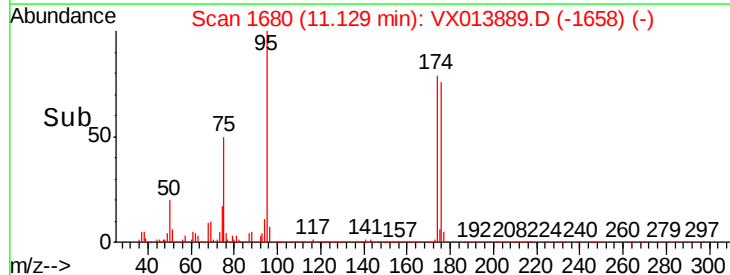
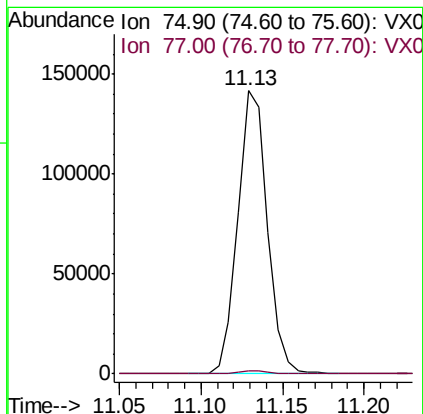
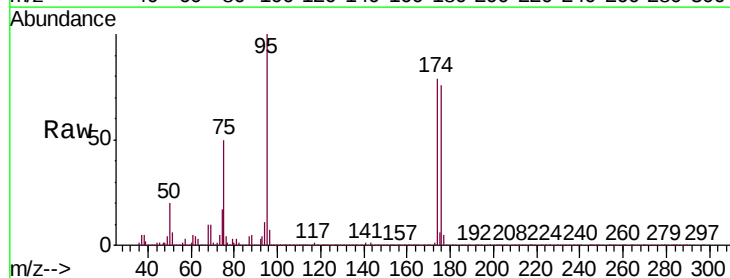
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.4	115.1
150	155.2	0.0	346.8

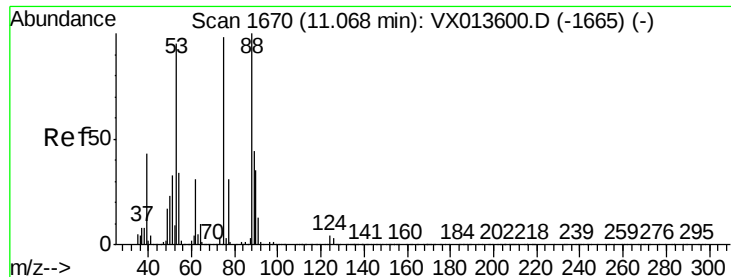


#76

1,2,3-Trichloropropane
Concen: 22.136 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013889.D
Acq: 10 Dec 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.559 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA_X

ClientSampleId :

EB01-20191205

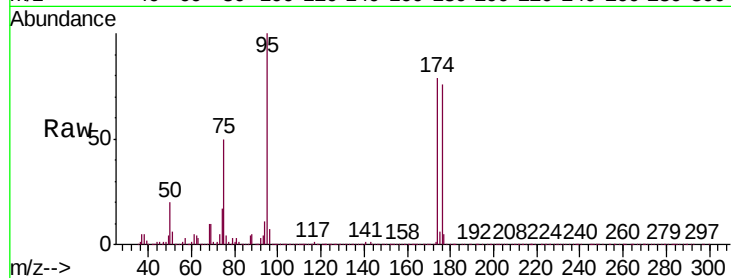
Tgt Ion: 75 Resp: 178244

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 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

