

Data File : VX013928.D
Acq On : 11 Dec 2019 04:14
Operator : JC/SP
Sample : K6237-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

Quant Time: Dec 11 05:52:26 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	577831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	892429	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	822043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	388027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	329624	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	5.49	113	269456	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.71	98	1059721	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.14	95	367022	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds

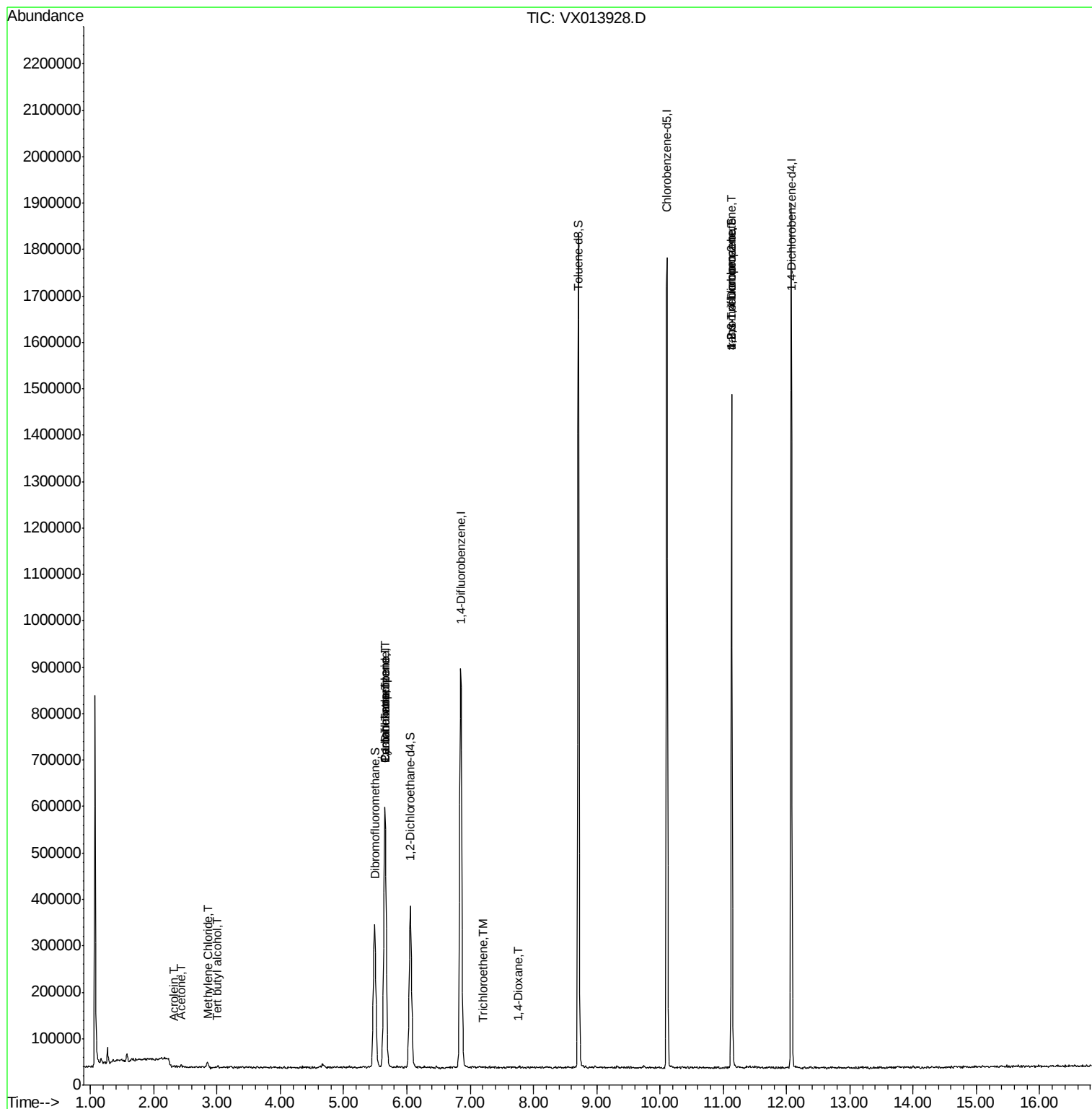
						Qvalue
11) Tert butyl alcohol	3.01	59	3562	2.152	ug/l #	91
13) Acrolein	2.31	56	227	6.204	ug/l #	1
16) Acetone	2.44	43	8857	2.675	ug/l	95
20) Methylene Chloride	2.86	84	5485	0.862	ug/l #	82
31) Cyclohexane	5.65	56	10618	1.072	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	38471	4.749	ug/l #	50
38) Carbon Tetrachloride	5.65	117	51108	6.842	ug/l #	16
44) Trichloroethene	7.20	130	1526	0.225	ug/l	54
49) 1,4-Dioxane	7.75	88	513	3.153	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	181601	20.808	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	181601	56.927	ug/l #	11

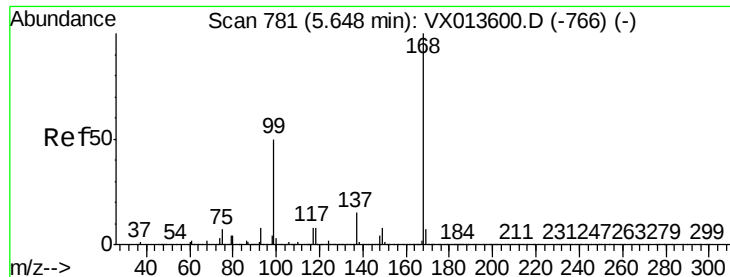
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

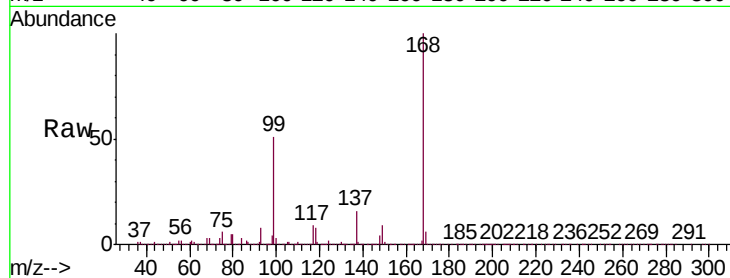
TB-01-191209

Tgt Ion:168 Resp: 577831

Ion Ratio Lower Upper

168 100

99 50.8 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

200000

150000

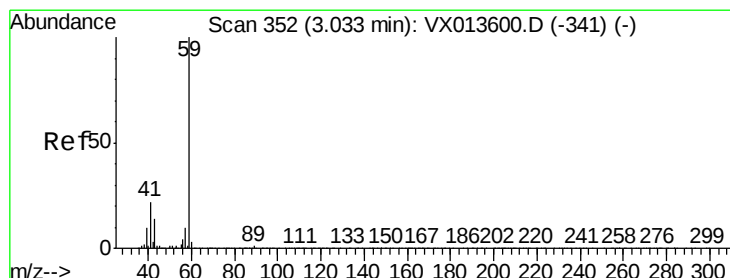
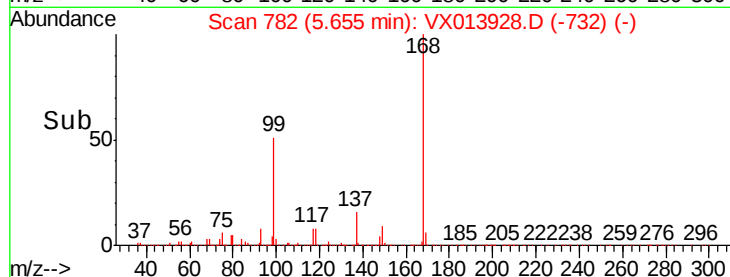
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.152 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013928.D

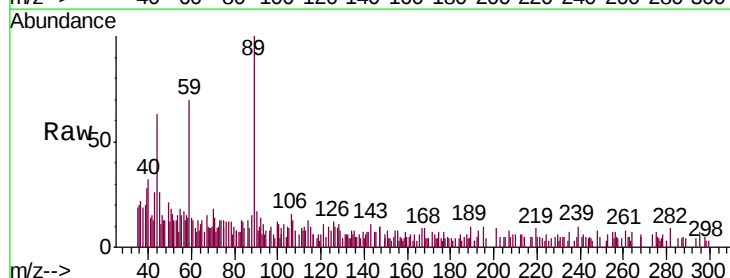
Acq: 11 Dec 2019 04:14

Tgt Ion: 59 Resp: 3562

Ion Ratio Lower Upper

59 100

57 6.3 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

1500

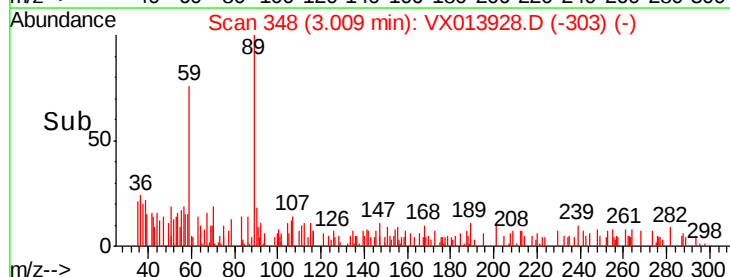
1000

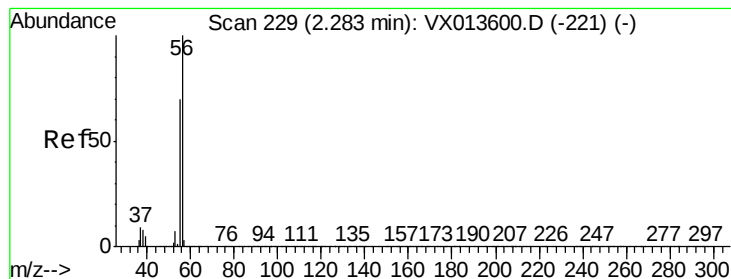
500

0

Time-->

2.90 2.95 3.00 3.05 3.10





#13

Acrolein

Concen: 6.204 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

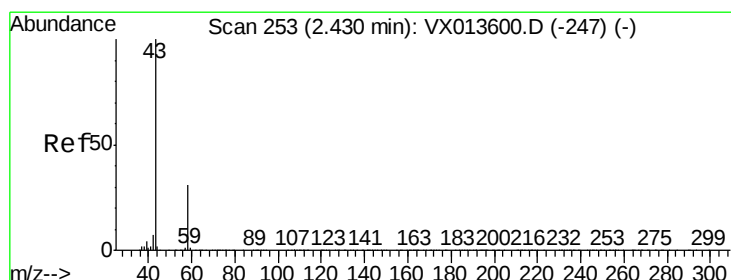
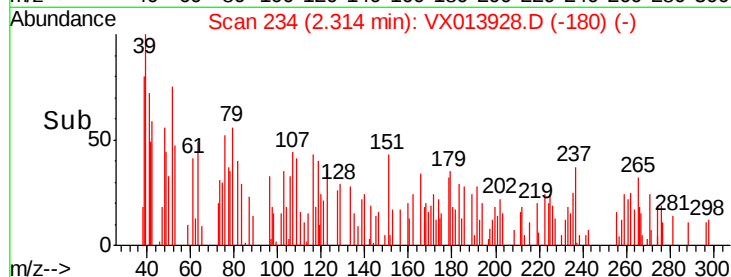
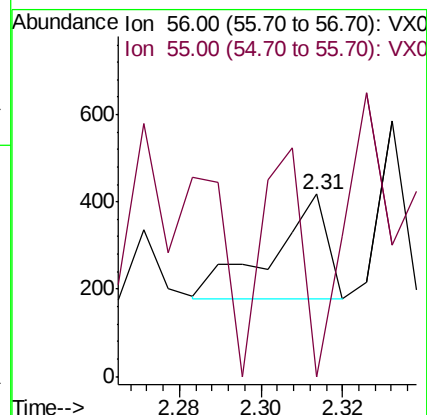
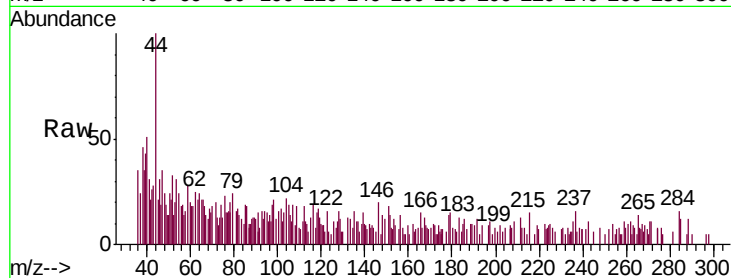
TB-01-191209

Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 157.3 56.2 84.4#



#16

Acetone

Concen: 2.675 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013928.D

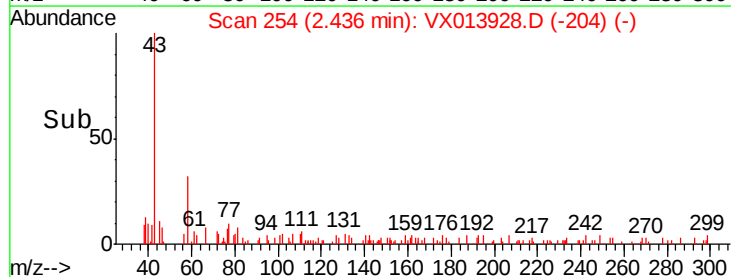
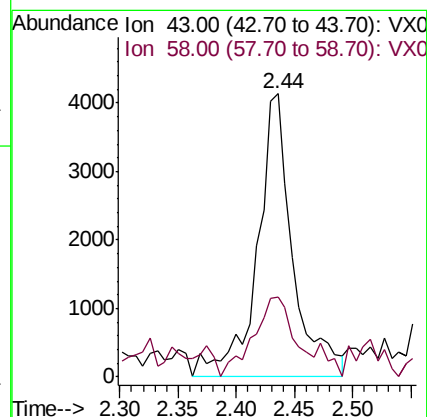
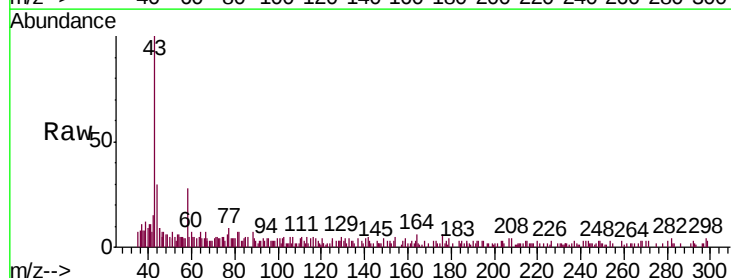
Acq: 11 Dec 2019 04:14

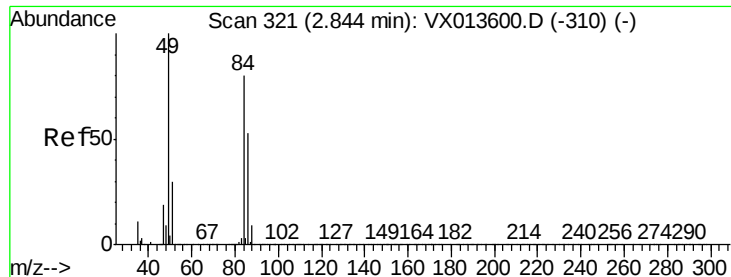
Tgt Ion: 43 Resp: 8857

Ion Ratio Lower Upper

43 100

58 28.1 24.6 36.8

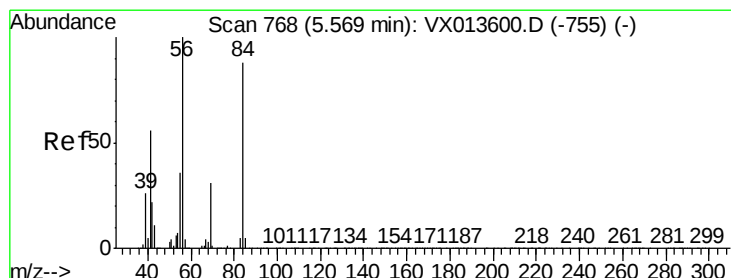
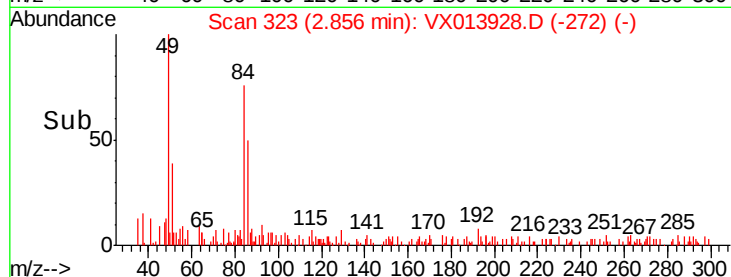
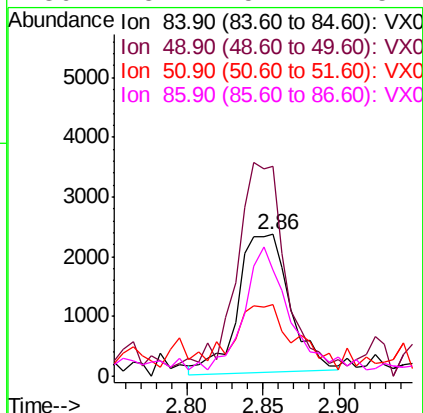
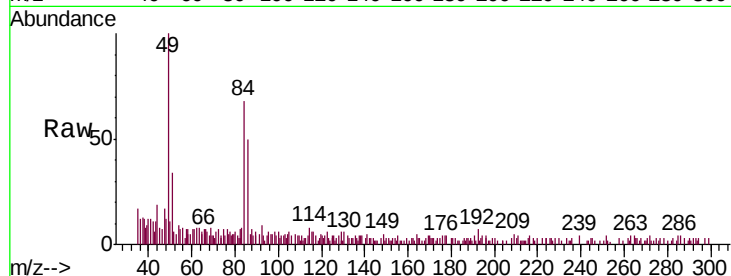




#20
Methylene Chloride
Concen: 0.862 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

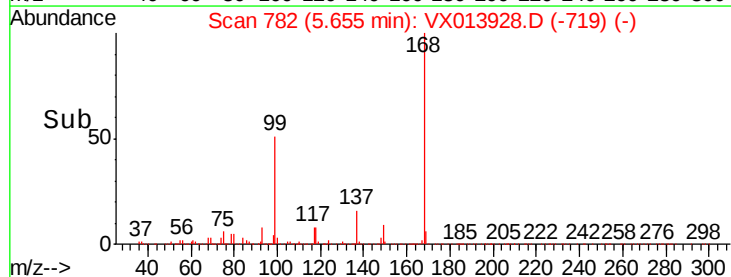
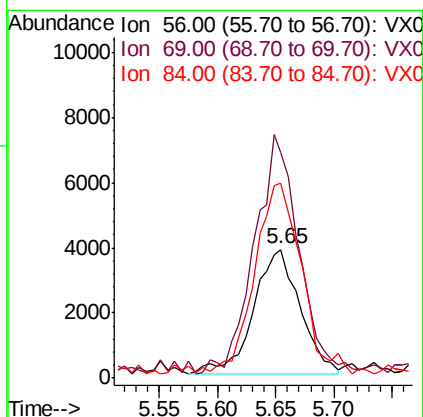
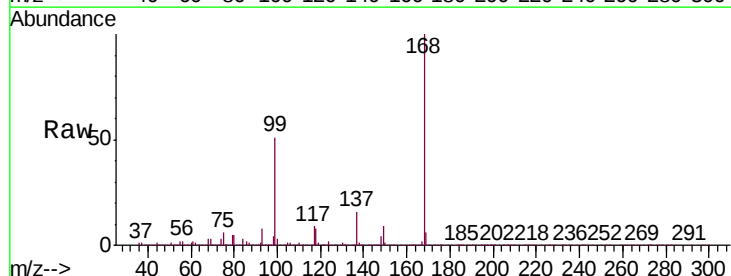
Instrument :
MSVOA_X
ClientSampleID :
TB-01-191209

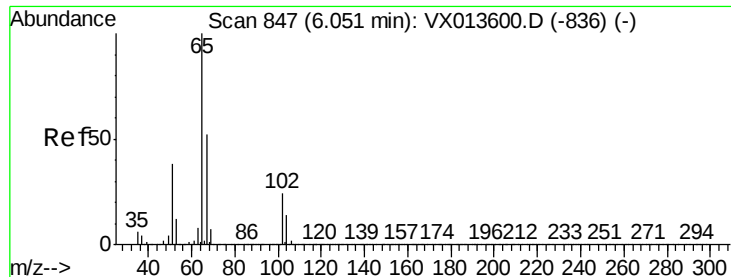
Tgt Ion:	84	Resp:	5485
Ion	Ratio	Lower	Upper
84	100		
49	146.7	99.7	149.5
51	49.5	29.9	44.9#
86	75.4	52.2	78.4



#31
Cyclohexane
Concen: 1.072 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

Tgt Ion:	56	Resp:	10618
Ion	Ratio	Lower	Upper
56	100		
69	177.7	24.6	36.8#
84	153.3	70.0	105.0#

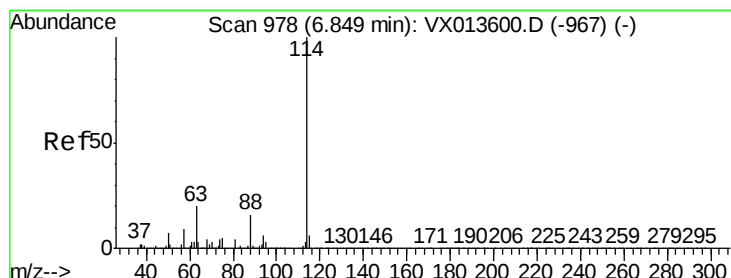
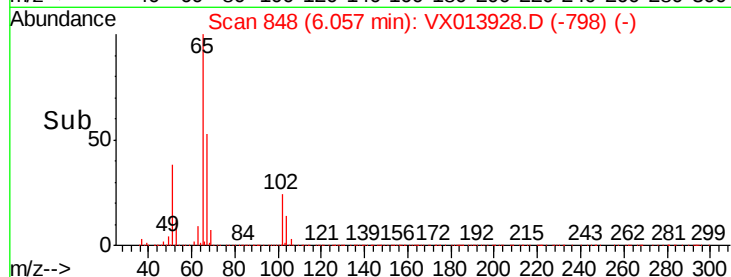
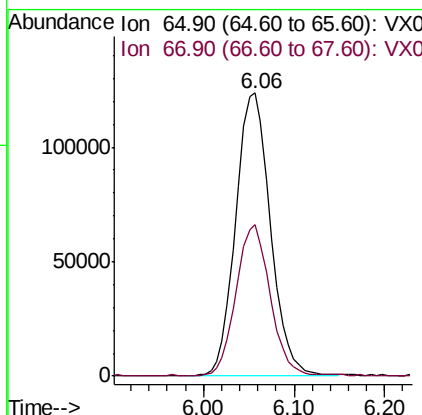
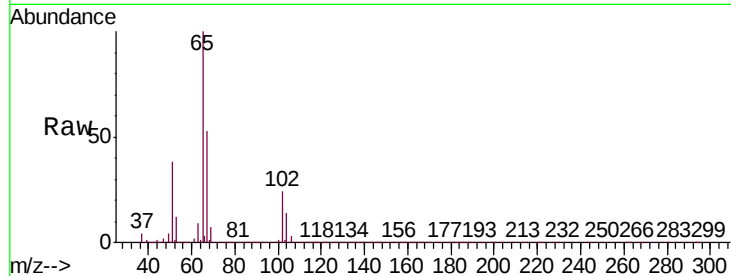




#33
 1,2-Dichloroethane-d4
 Concen: 49.144 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013928.D
 Acq: 11 Dec 2019 04:14

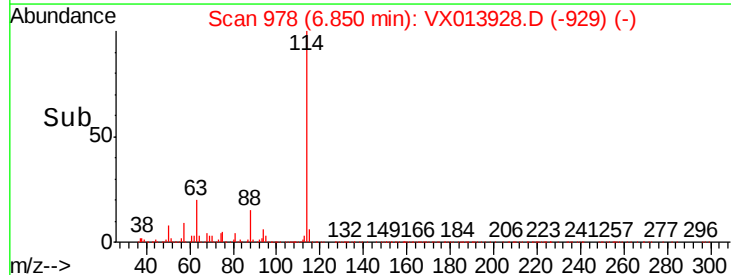
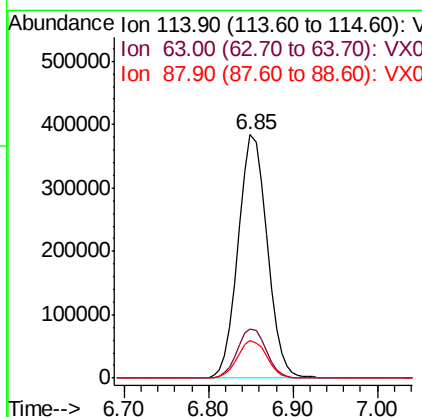
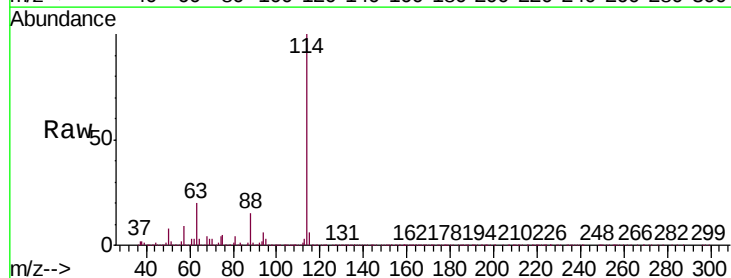
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-191209

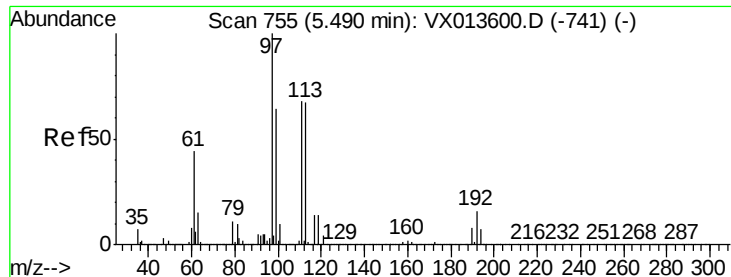
Tgt Ion: 65 Resp: 329624
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013928.D
 Acq: 11 Dec 2019 04:14

Tgt Ion: 114 Resp: 892429
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.840 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

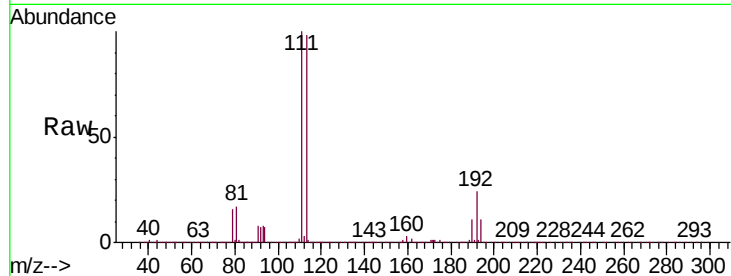
Tgt Ion:113 Resp: 269456

Ion Ratio Lower Upper

113 100

111 100.9 83.6 125.4

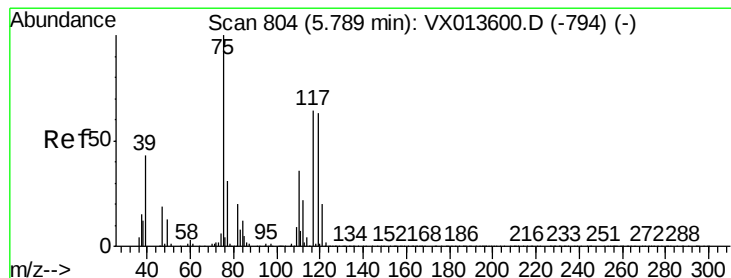
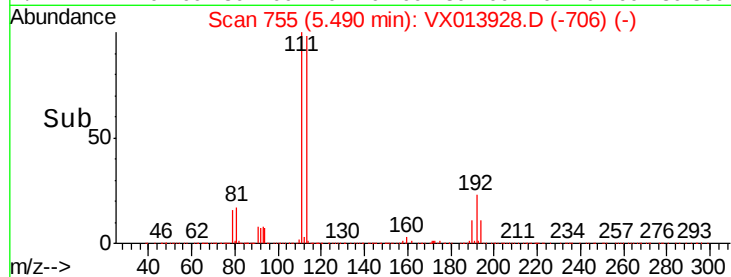
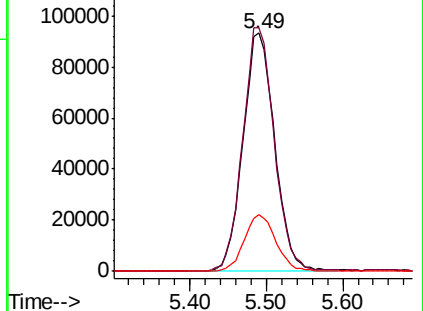
192 23.8 19.2 28.8



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: 4.749 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

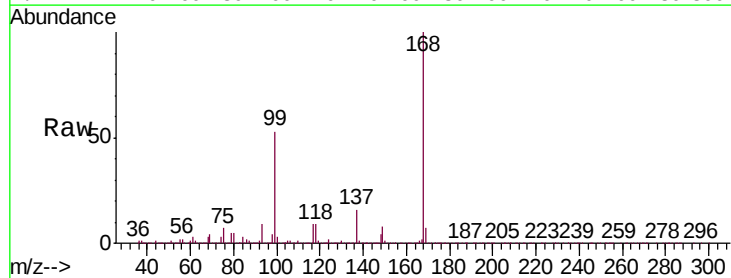
Tgt Ion: 75 Resp: 38471

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

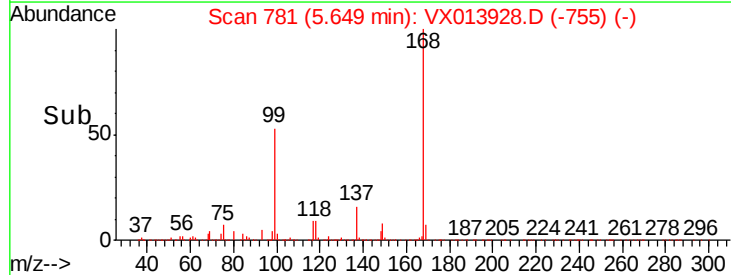
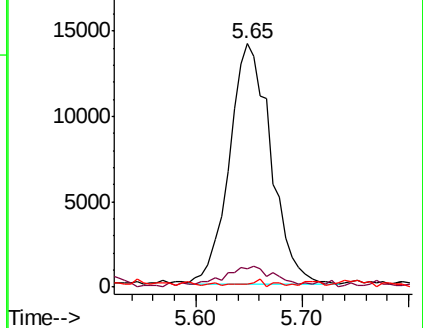
77 0.9 24.5 36.7#

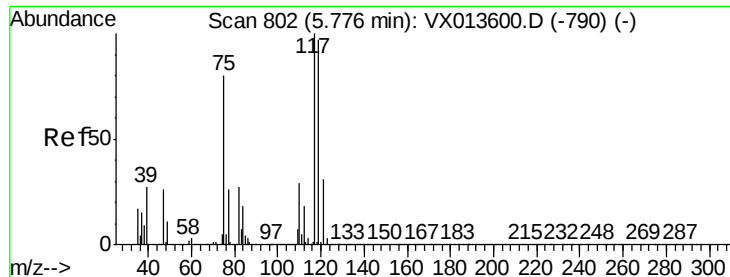


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.842 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

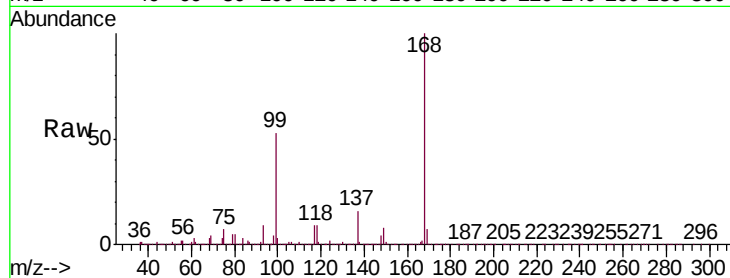
Tgt Ion:117 Resp: 51108

Ion Ratio Lower Upper

117 100

119 6.1 77.5 116.3#

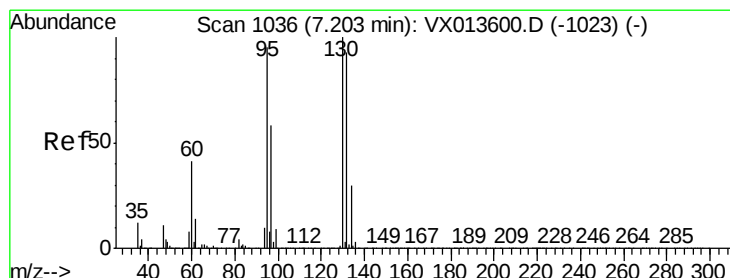
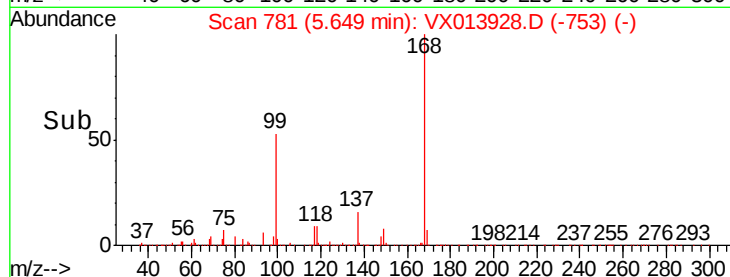
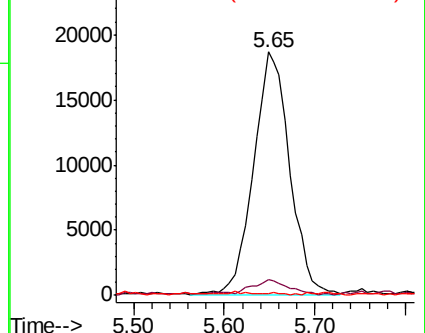
121 0.2 25.0 37.6#



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



#44

Trichloroethene

Concen: 0.225 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013928.D

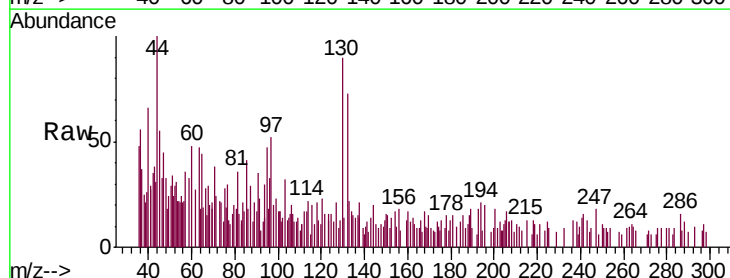
Acq: 11 Dec 2019 04:14

Tgt Ion:130 Resp: 1526

Ion Ratio Lower Upper

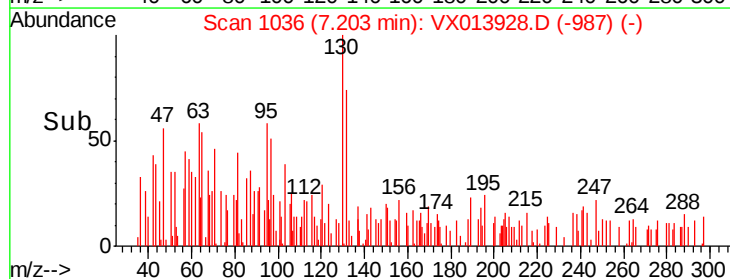
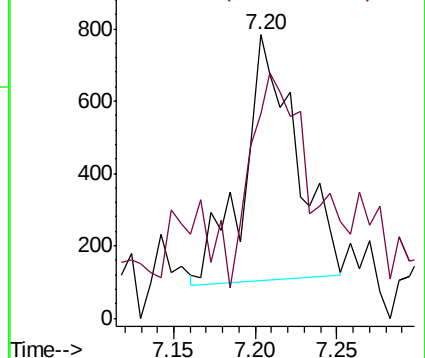
130 100

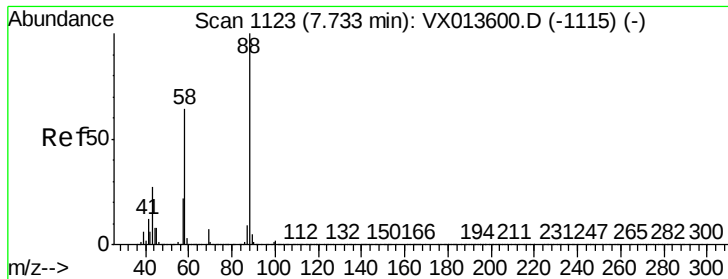
95 50.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

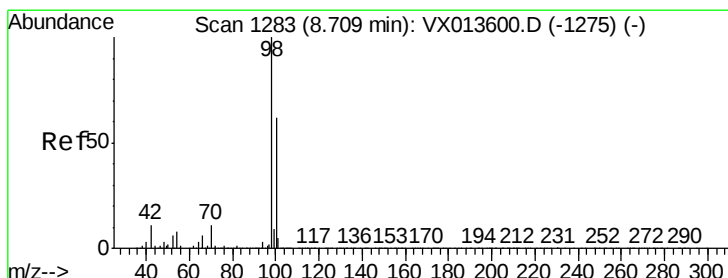
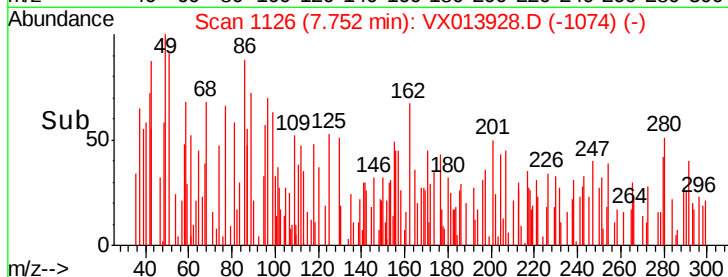
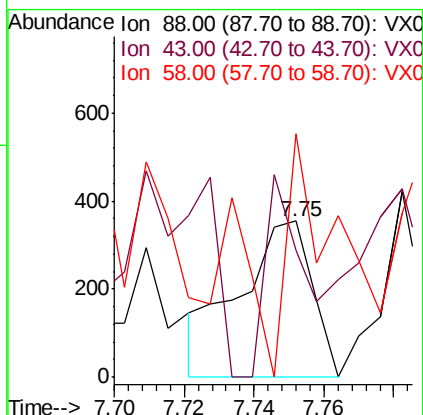
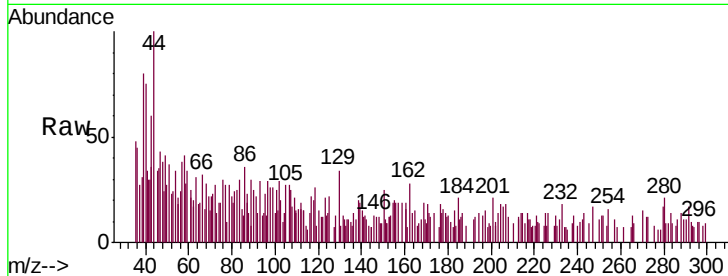




#49
1,4-Dioxane
Concen: 3.153 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

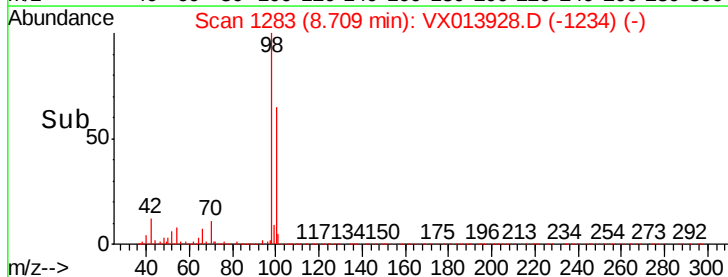
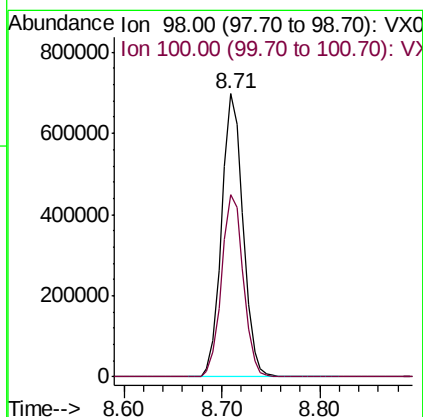
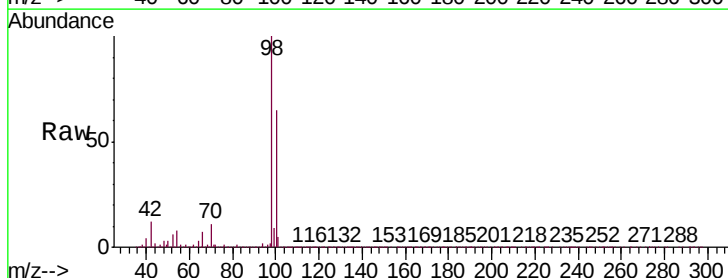
Instrument :
MSVOA_X
ClientSampled :
TB-01-191209

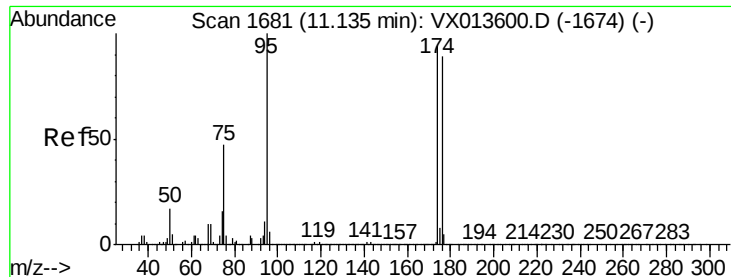
Tgt Ion: 88 Resp: 513
Ion Ratio Lower Upper
88 100
43 65.5 25.8 38.6#
58 113.3 54.6 82.0#



#50
Toluene-d8
Concen: 49.300 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

Tgt Ion: 98 Resp: 1059721
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 47.350 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

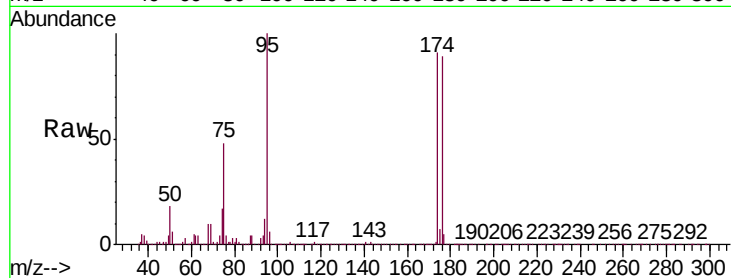
Tgt Ion: 95 Resp: 367022

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.0

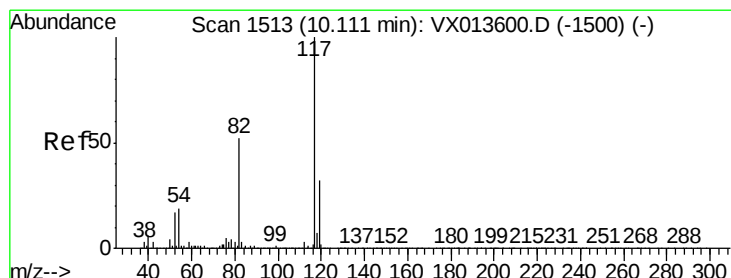
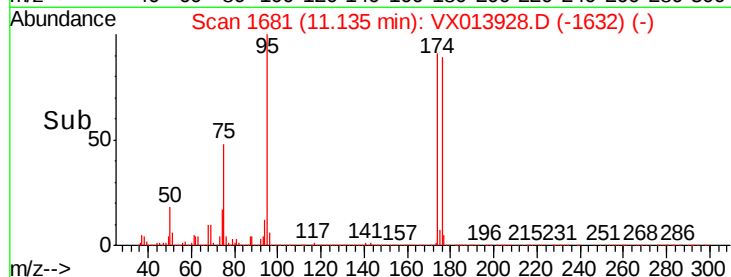
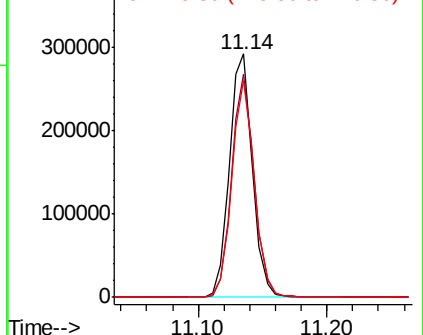
176 87.2 0.0 173.6



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: VX013928.D

Acq: 11 Dec 2019 04:14

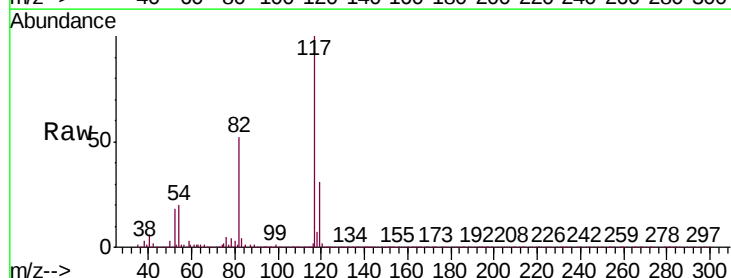
Tgt Ion: 117 Resp: 822043

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

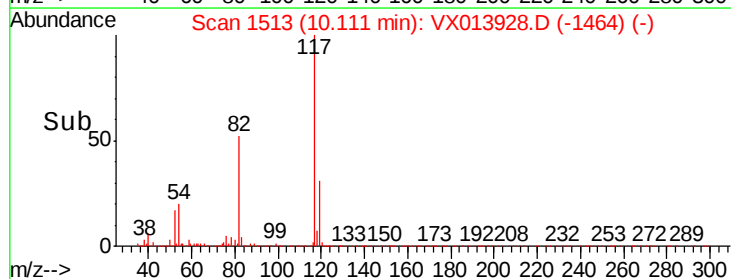
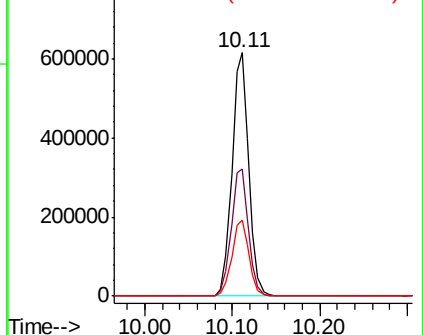
119 31.3 25.8 38.8

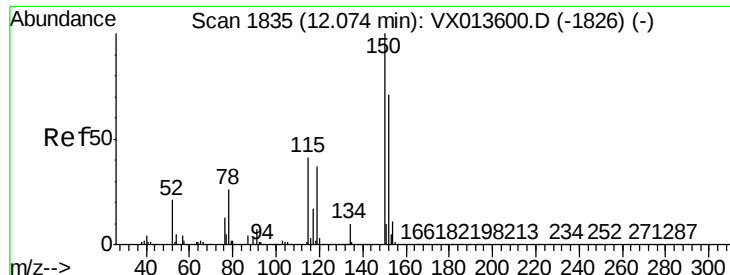


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

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

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



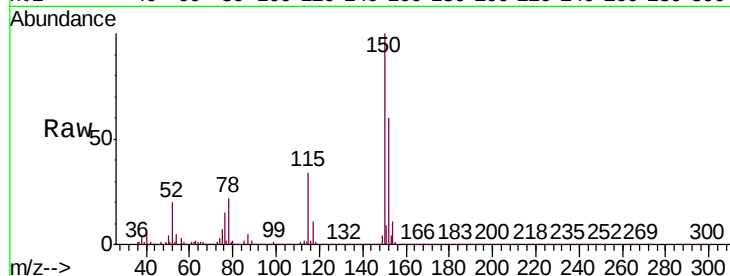


#72

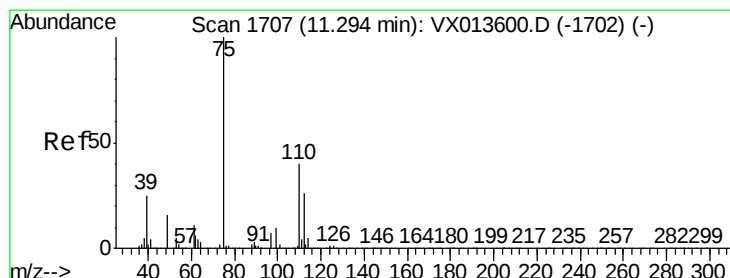
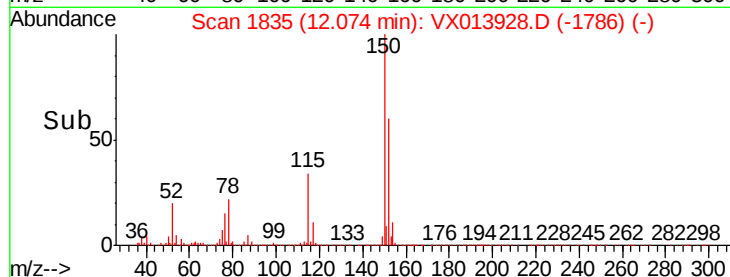
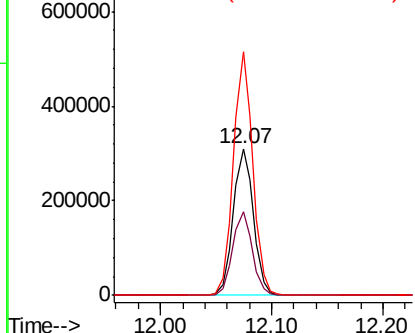
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

Instrument :
MSVOA_X
ClientSampleId :
TB-01-191209

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.4	115.1
150	159.1	0.0	346.8



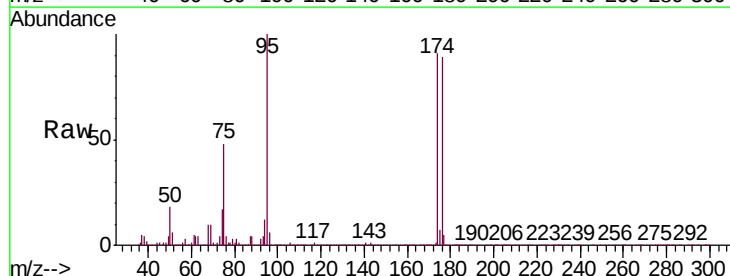
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



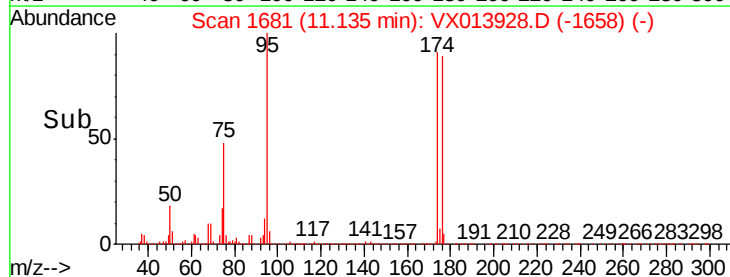
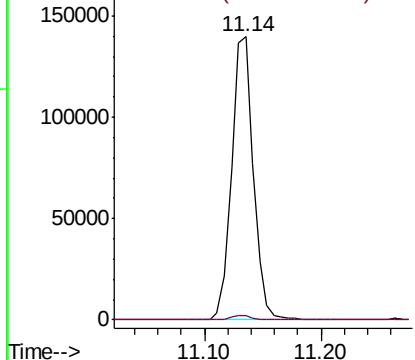
#76

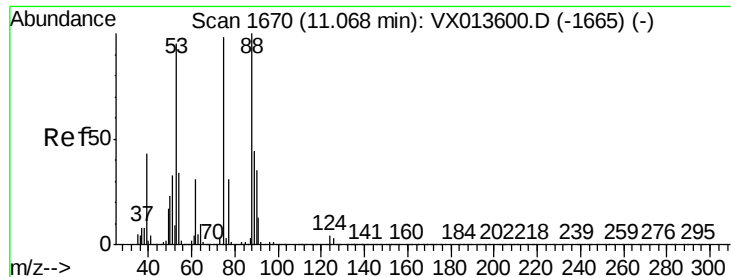
1,2,3-Trichloropropane
Concen: 20.808 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX013928.D
Acq: 11 Dec 2019 04:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 56.927 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013928.D

Acq: 11 Dec 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

TB-01-191209

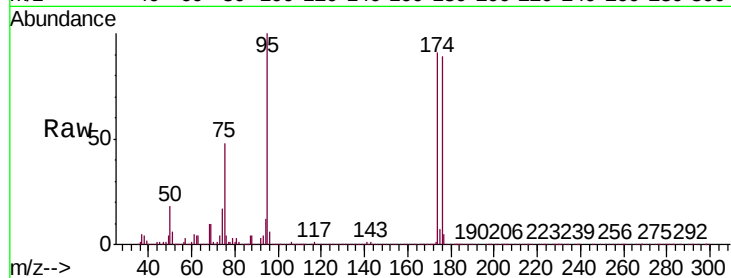
Tgt Ion: 75 Resp: 181601

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.2 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

