

Data File : VX013906.D
Acq On : 10 Dec 2019 18:20
Operator : JC/SP
Sample : K6196-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-1

Quant Time: Dec 11 02:28:49 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	557182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	861543	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	341785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	312429	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	5.49	113	260106	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	8.71	98	1010670	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	337919	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

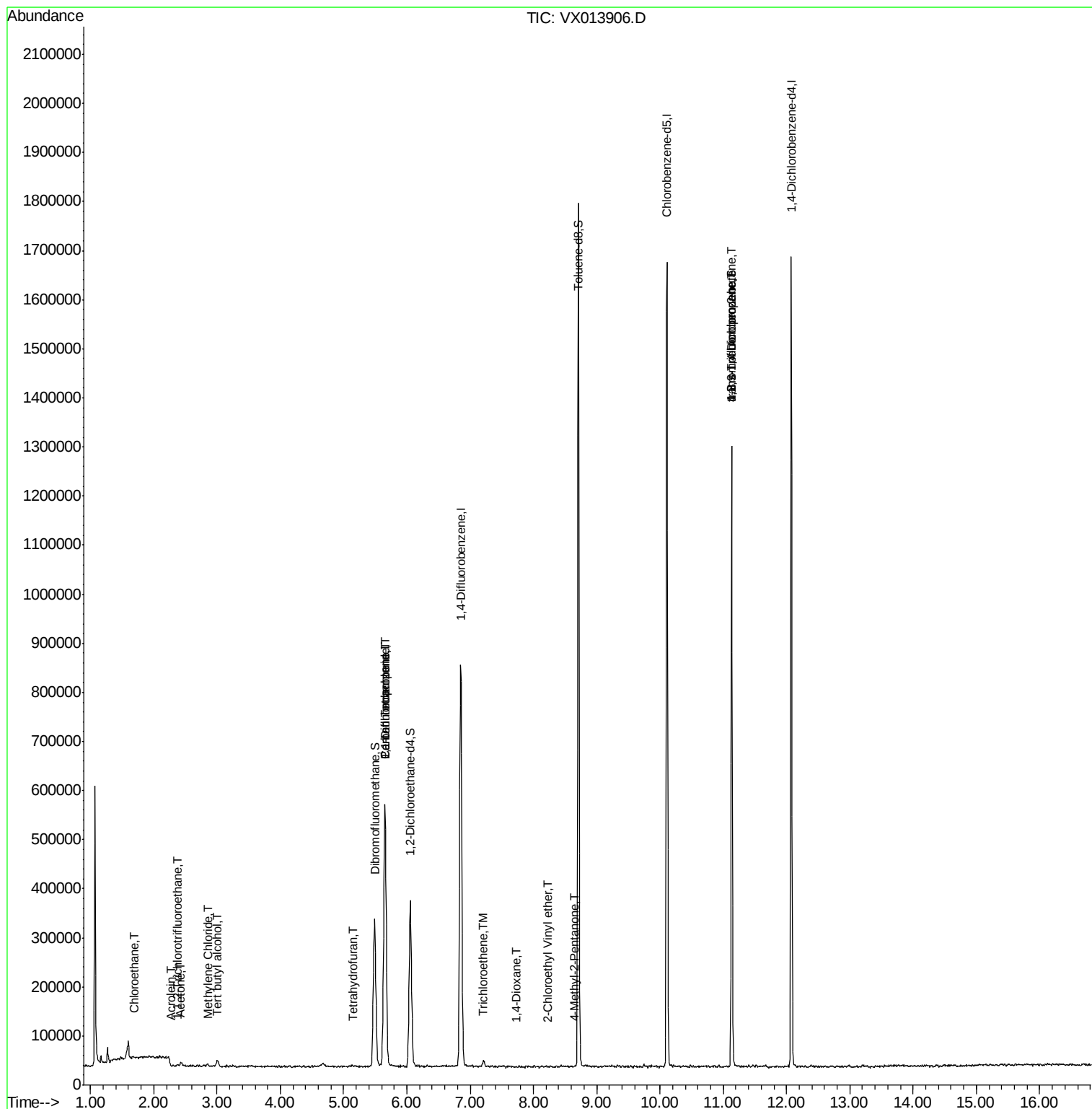
						Qvalue
6) Chloroethane	1.69	64	1245	0.279	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1467	0.276	ug/l #	86
11) Tert butyl alcohol	3.01	59	8251	5.168	ug/l #	88
13) Acrolein	2.28	56	647	6.595	ug/l #	15
16) Acetone	2.43	43	8914	2.792	ug/l #	85
20) Methylene Chloride	2.86	84	4435	0.723	ug/l #	78
29) Tetrahydrofuran	5.15	42	932	0.319	ug/l	93
36) 1,1-Dichloropropene	5.65	75	39498	5.050	ug/l #	50
38) Carbon Tetrachloride	5.65	117	49412	6.852	ug/l #	16
44) Trichloroethene	7.20	130	6067	0.928	ug/l	92
49) 1,4-Dioxane	7.74	88	862	5.487	ug/l #	36
51) 4-Methyl-2-Pentanone	8.64	43	1945	0.214	ug/l #	64
58) 2-Chloroethyl Vinyl ether	8.22	63	1010	0.269	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	166915	21.713	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	166915	59.403	ug/l #	11

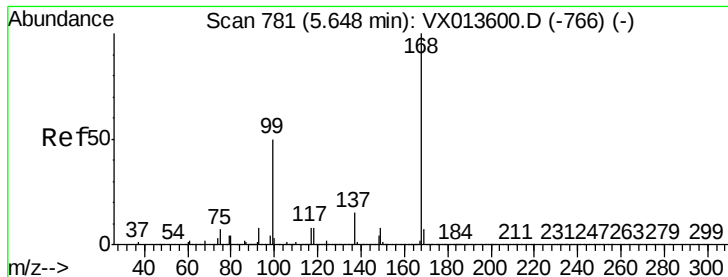
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

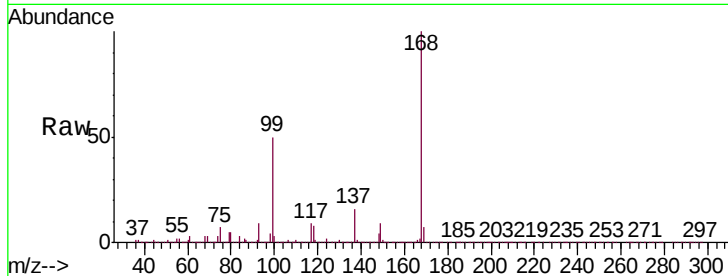
TB-1

Tgt Ion:168 Resp: 557182

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

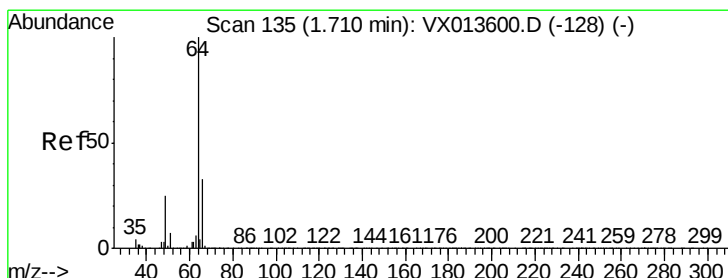
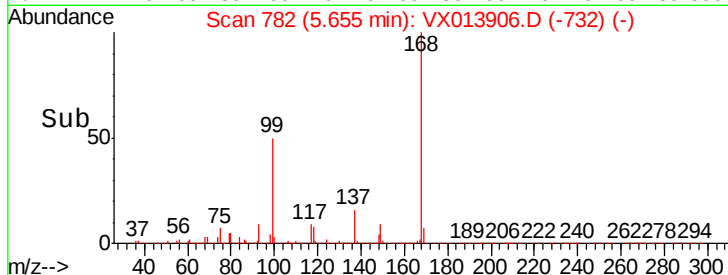
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.279 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX013906.D

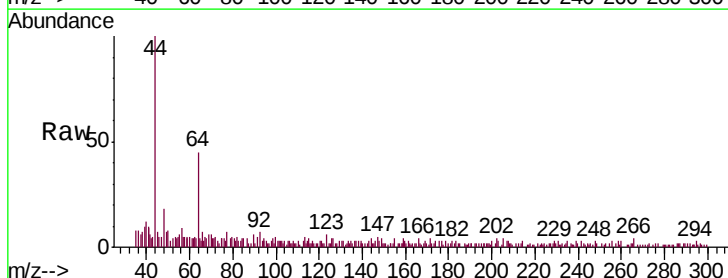
Acq: 10 Dec 2019 18:20

Tgt Ion: 64 Resp: 1245

Ion Ratio Lower Upper

64 100

66 29.6 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

1500

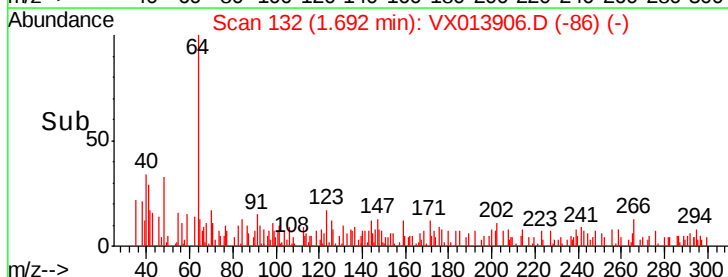
1000

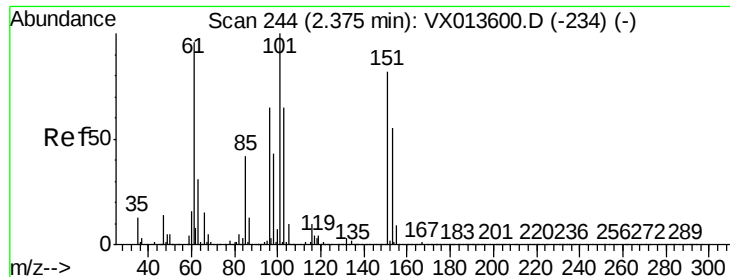
500

0

1.66 1.68 1.70 1.72

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.276 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

TB-1

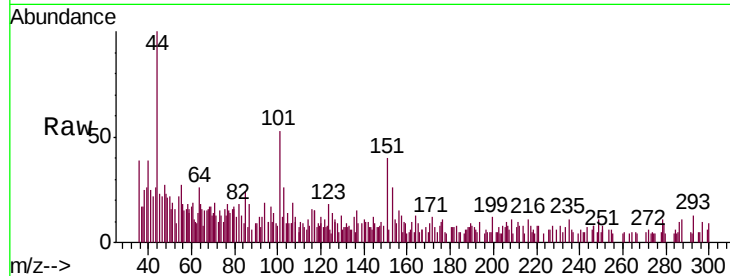
Tgt Ion:101 Resp: 1467

Ion Ratio Lower Upper

101 100

85 44.2 33.9 50.9

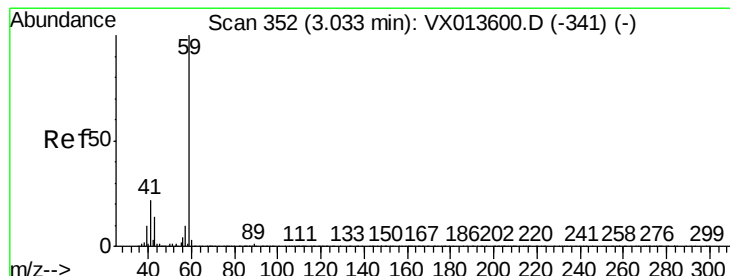
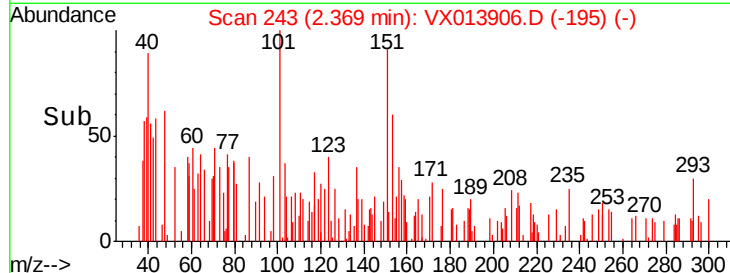
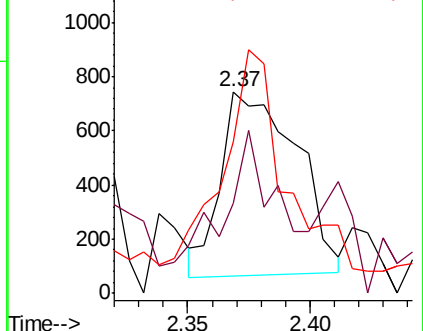
151 97.4 64.2 96.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 5.168 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013906.D

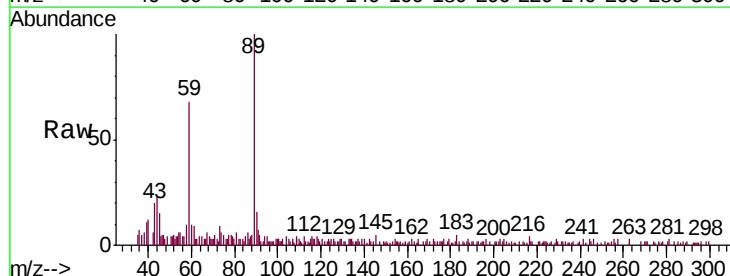
Acq: 10 Dec 2019 18:20

Tgt Ion: 59 Resp: 8251

Ion Ratio Lower Upper

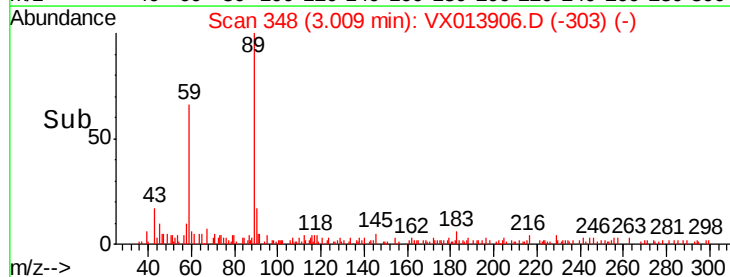
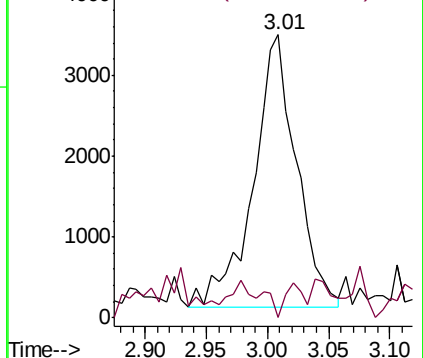
59 100

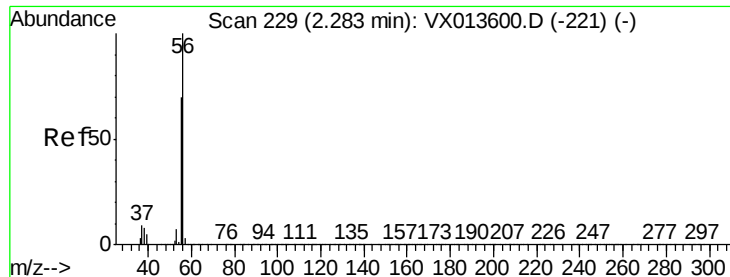
57 5.4 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 6.595 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

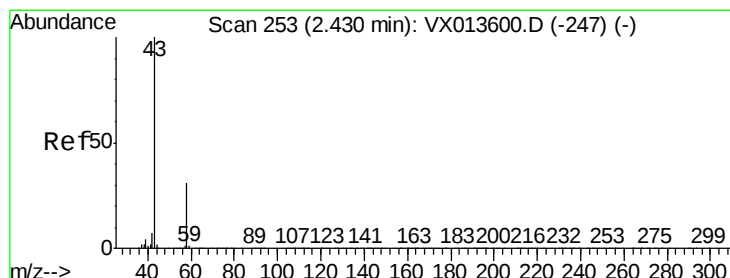
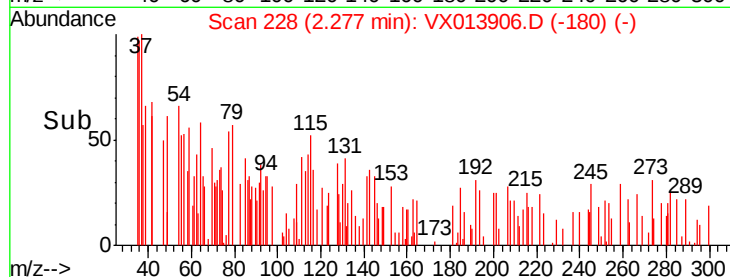
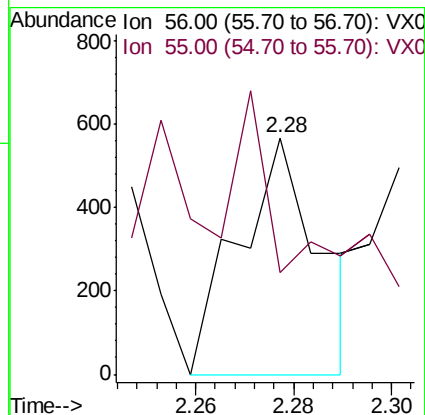
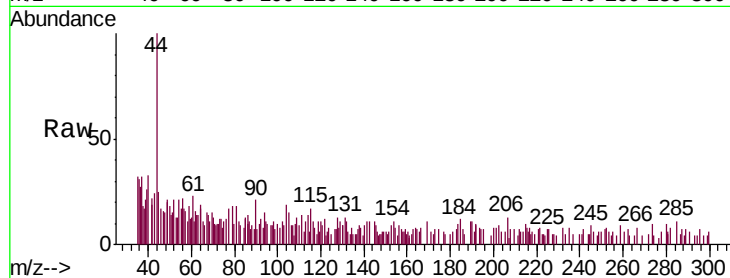
TB-1

Tgt Ion: 56 Resp: 647

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.792 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013906.D

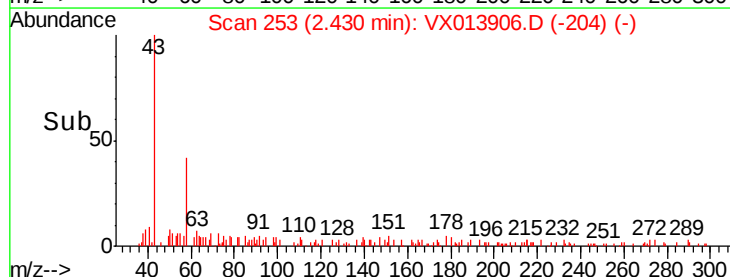
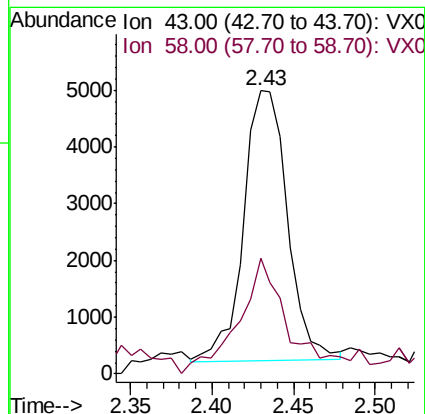
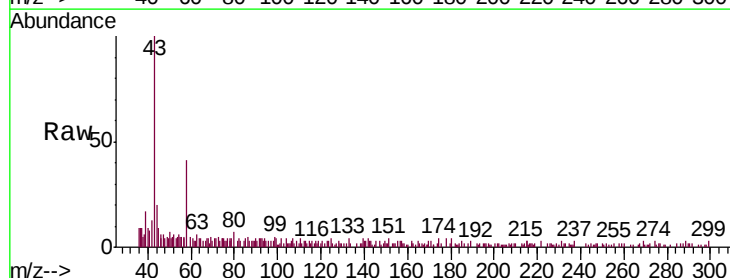
Acq: 10 Dec 2019 18:20

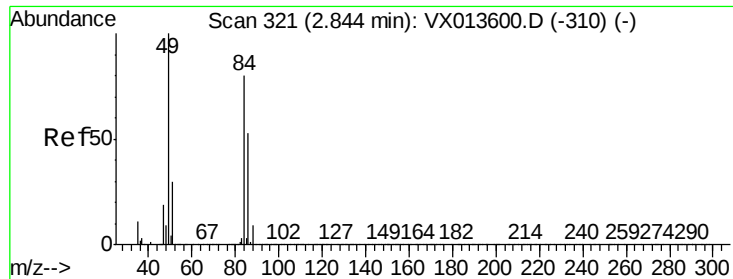
Tgt Ion: 43 Resp: 8914

Ion Ratio Lower Upper

43 100

58 39.0 24.6 36.8#

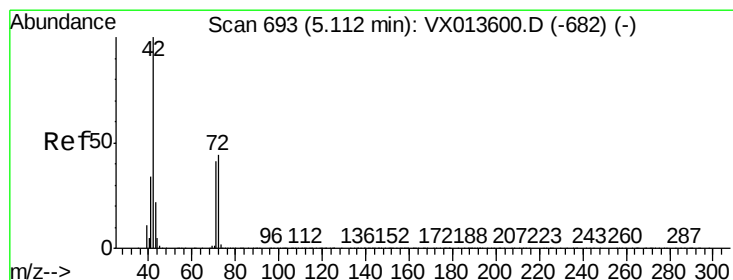
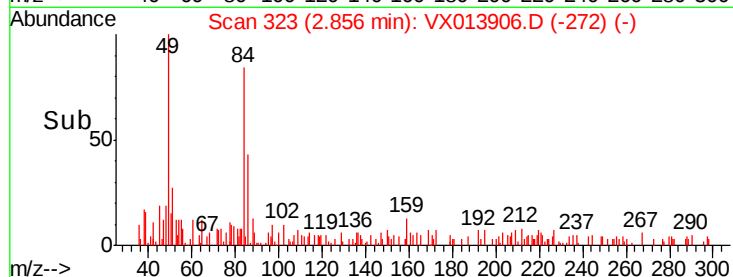
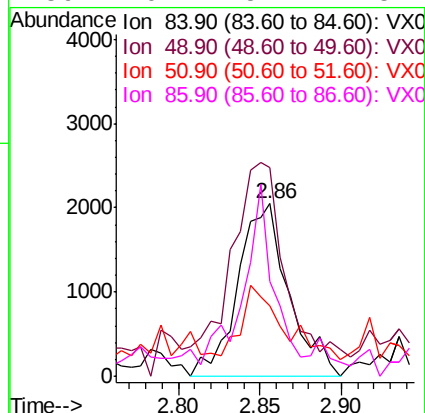
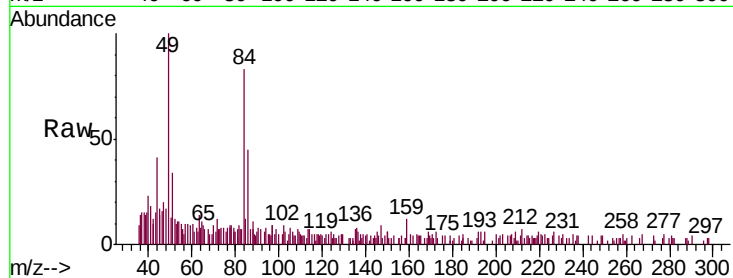




#20
Methylene Chloride
Concen: 0.723 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

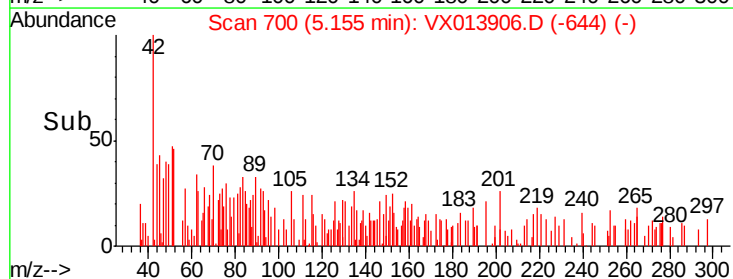
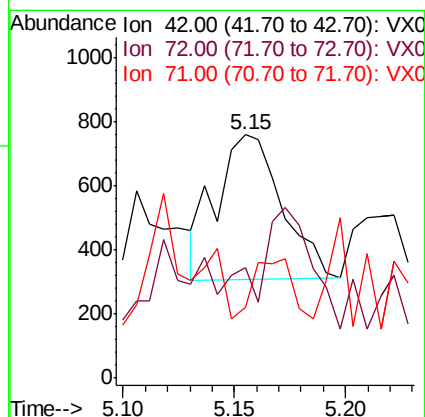
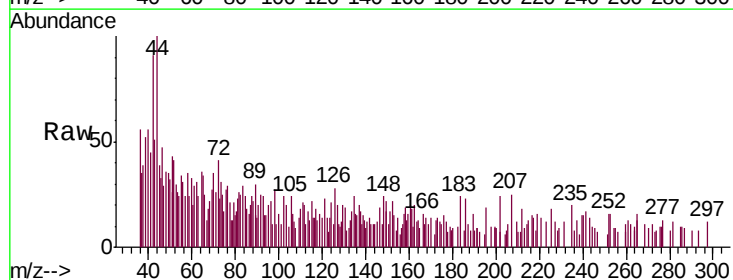
Instrument :
MSVOA_X
ClientSampleId :
TB-1

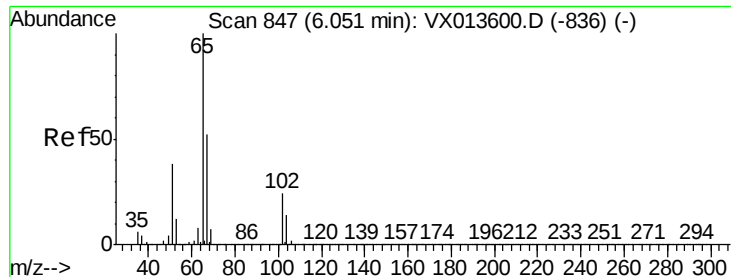
Tgt Ion:	84	Resp:	4435
Ion	Ratio	Lower	Upper
84	100		
49	105.4	99.7	149.5
51	16.8	29.9	44.9#
86	46.2	52.2	78.4#



#29
Tetrahydrofuran
Concen: 0.319 ug/l
RT: 5.15 min Scan# 700
Delta R.T. 0.04 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

Tgt Ion:	42	Resp:	932
Ion	Ratio	Lower	Upper
42	100		
72	53.8	36.3	54.5
71	41.5	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 48.307 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

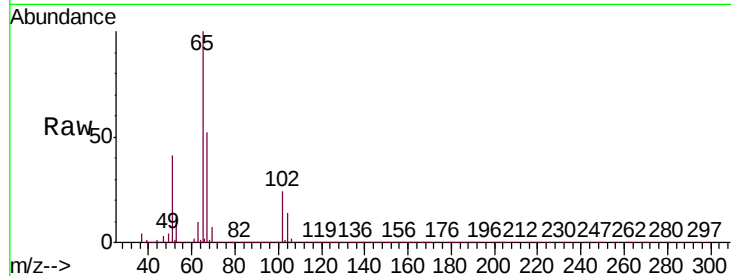
TB-1

Tgt Ion: 65 Resp: 312429

Ion Ratio Lower Upper

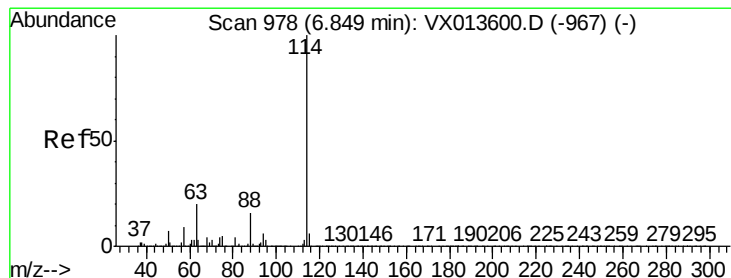
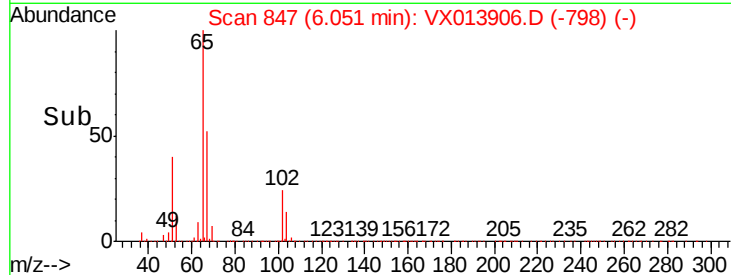
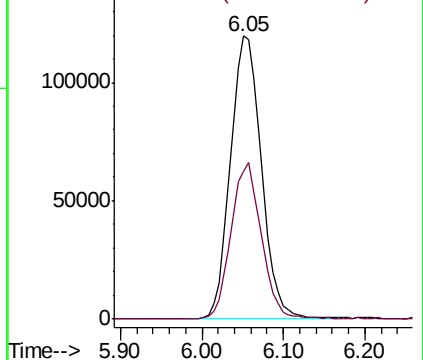
65 100

67 53.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

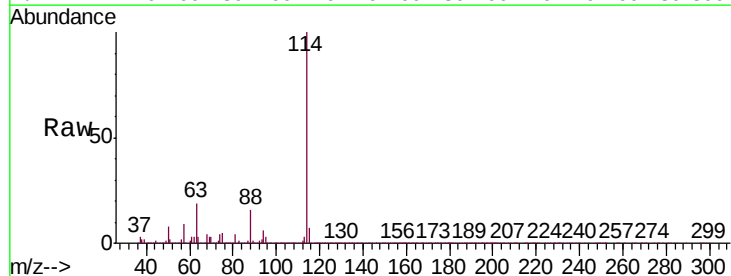
Tgt Ion: 114 Resp: 861543

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

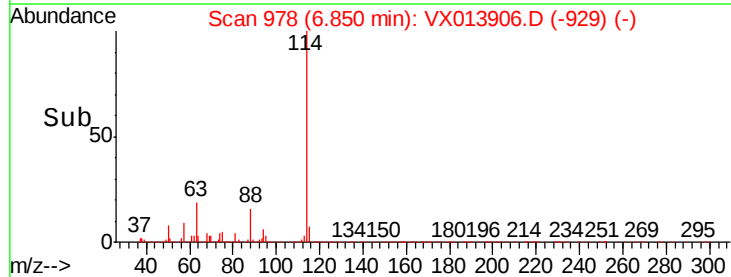
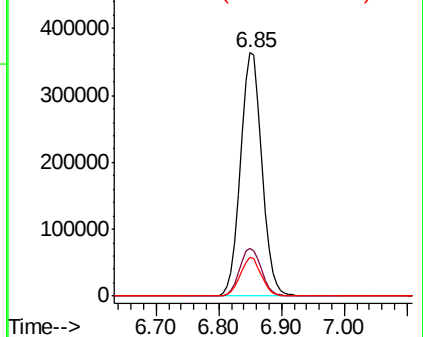
88 15.7 0.0 31.4

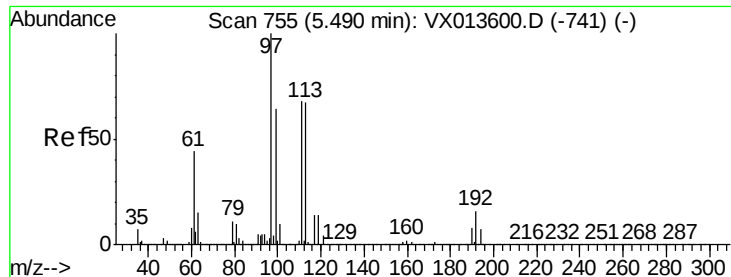


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

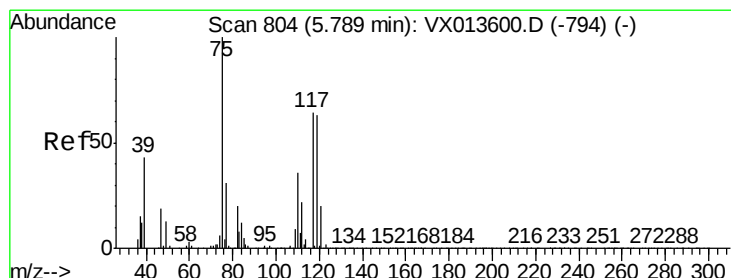
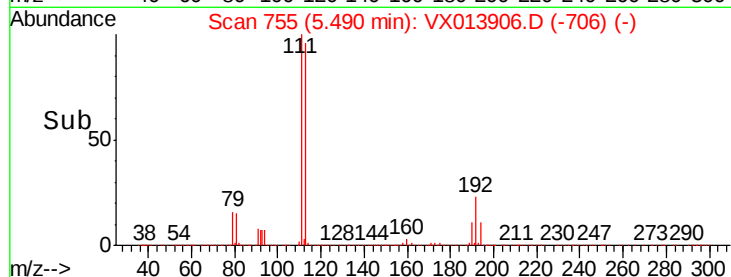
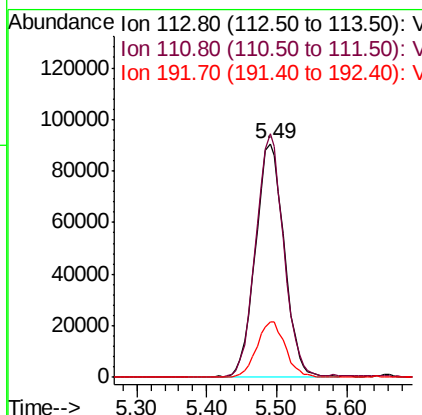
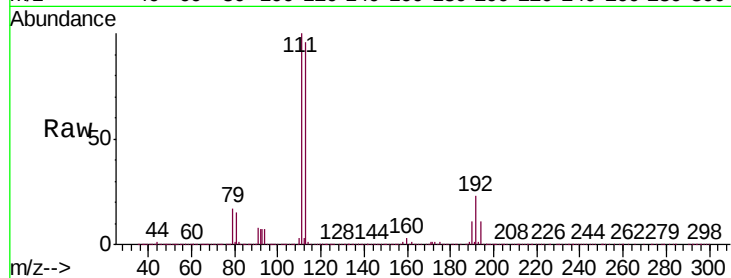




#35
Dibromofluoromethane
Concen: 48.836 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

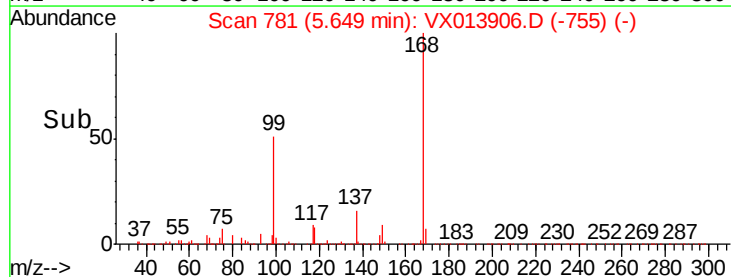
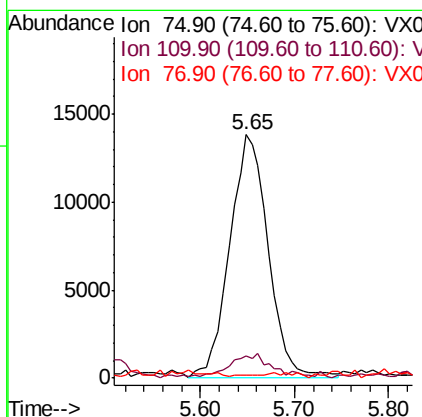
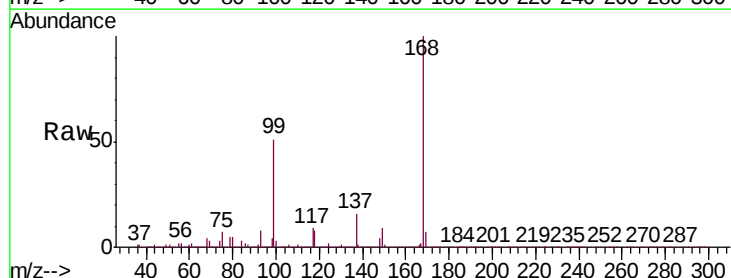
Instrument :
MSVOA_X
ClientSampleId :
TB-1

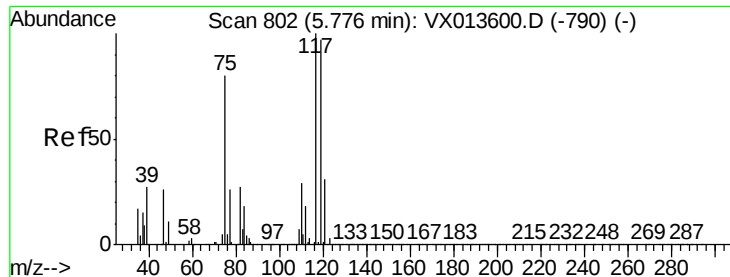
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.6	125.4
192	23.6	19.2	28.8



#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.1#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.852 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

TB-1

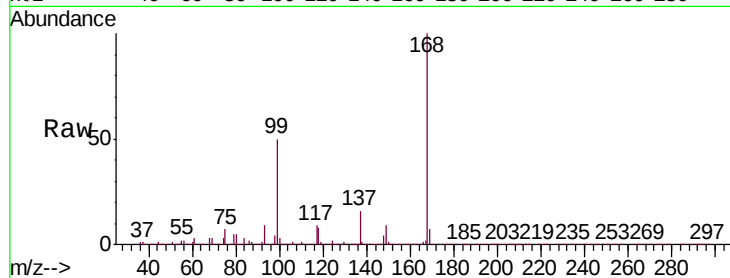
Tgt Ion:117 Resp: 49412

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

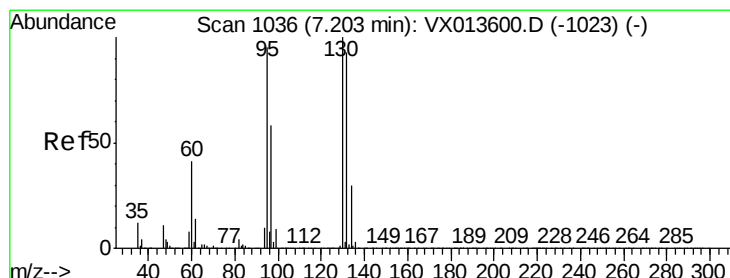
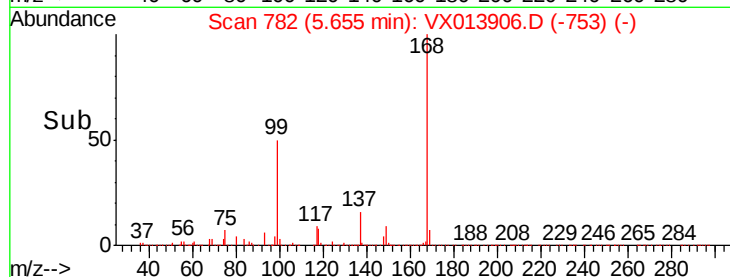
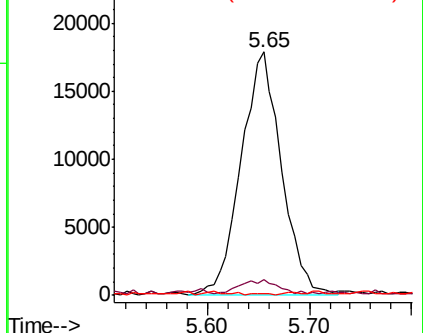
121 0.1 25.0 37.6#



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: 0.928 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013906.D

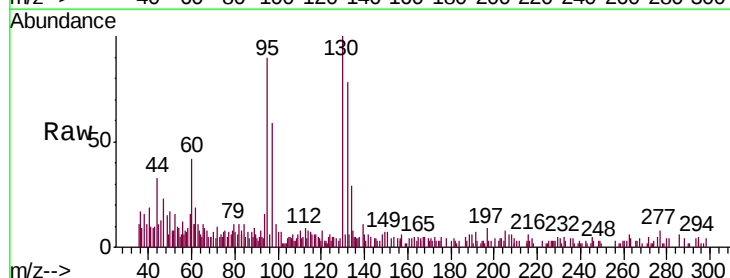
Acq: 10 Dec 2019 18:20

Tgt Ion:130 Resp: 6067

Ion Ratio Lower Upper

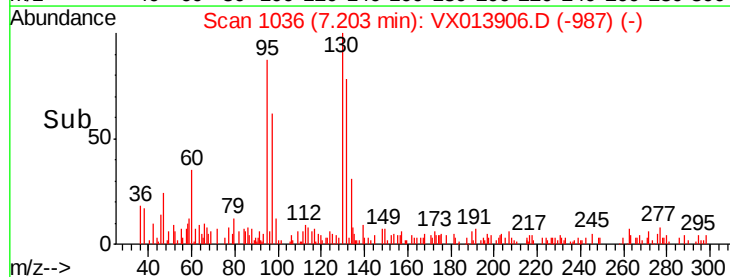
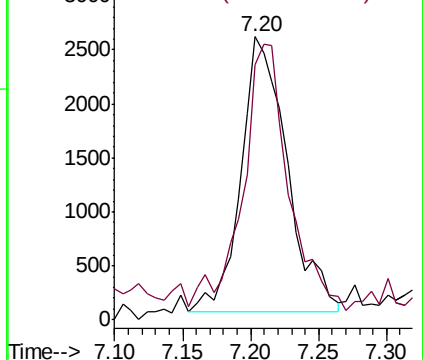
130 100

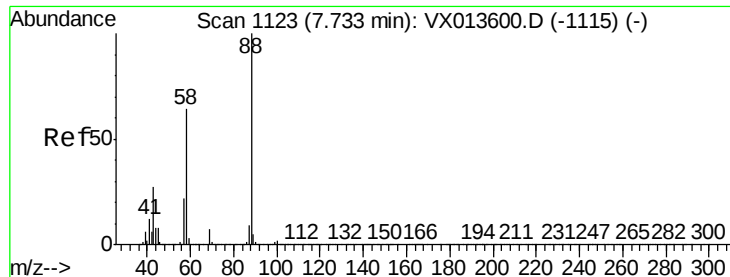
95 88.0 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 5.487 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampled :

TB-1

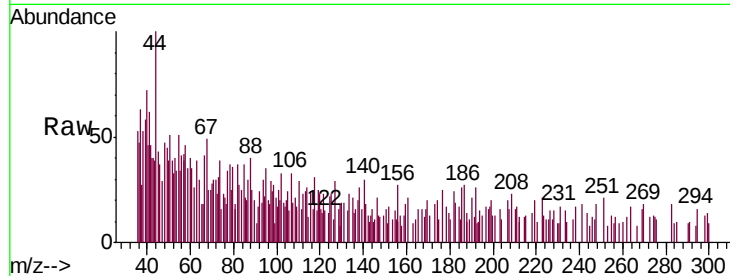
Tgt Ion: 88 Resp: 862

Ion Ratio Lower Upper

88 100

43 66.4 25.8 38.6#

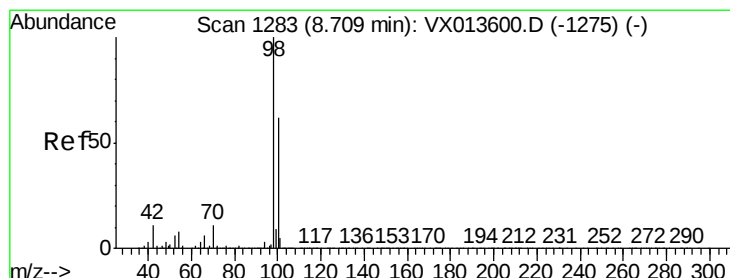
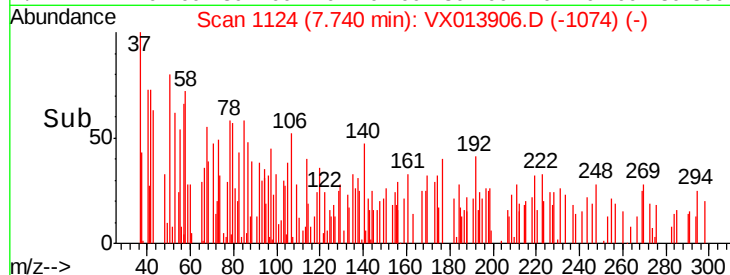
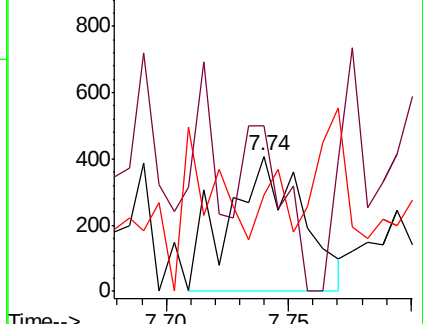
58 15.8 54.6 82.0#



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: 48.704 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013906.D

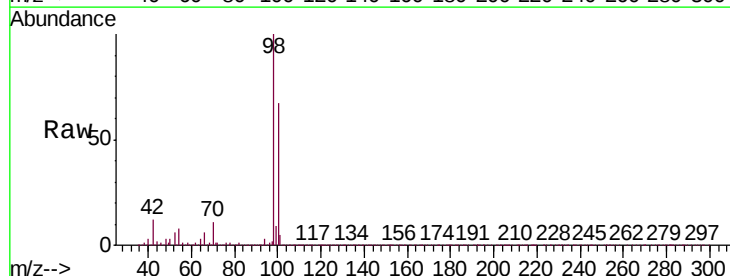
Acq: 10 Dec 2019 18:20

Tgt Ion: 98 Resp: 1010670

Ion Ratio Lower Upper

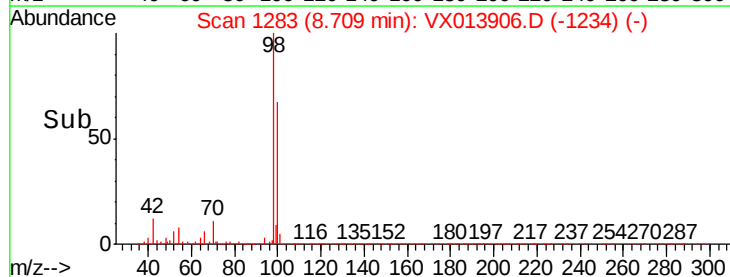
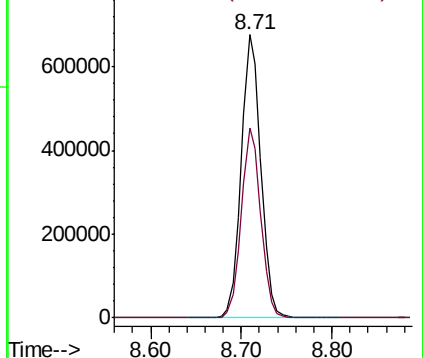
98 100

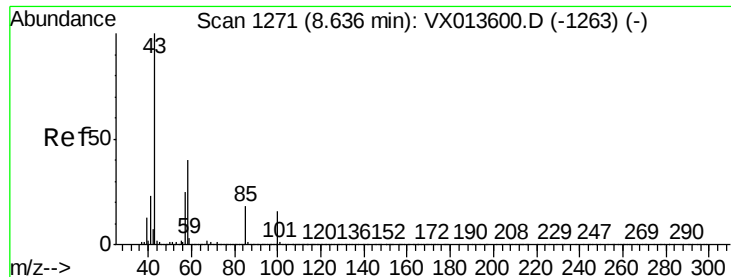
100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

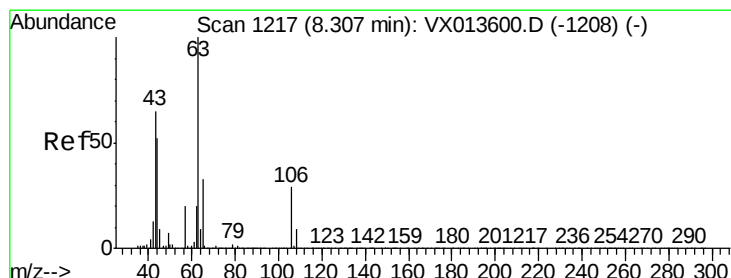
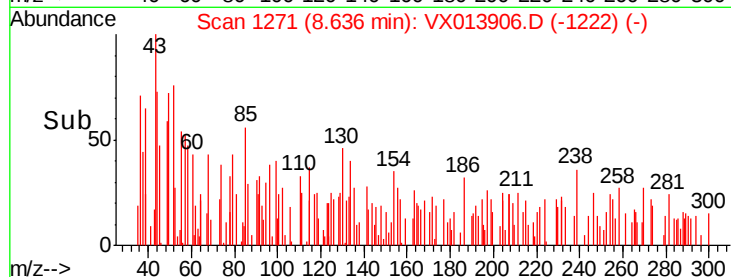
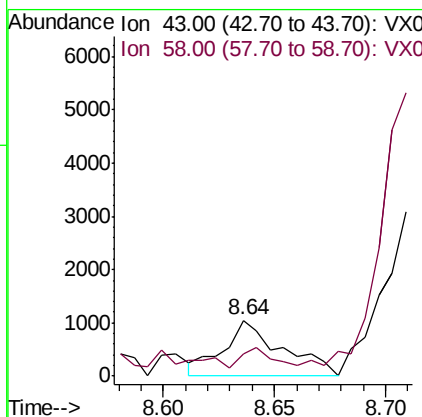
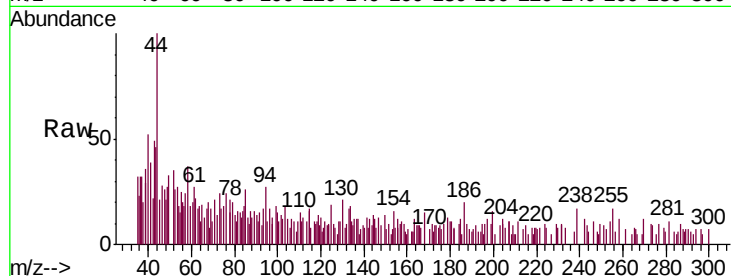




#51
 4-Methyl-2-Pentanone
 Concen: 0.214 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX013906.D
 Acq: 10 Dec 2019 18:20

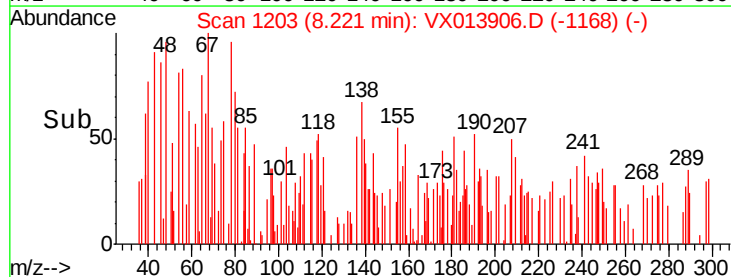
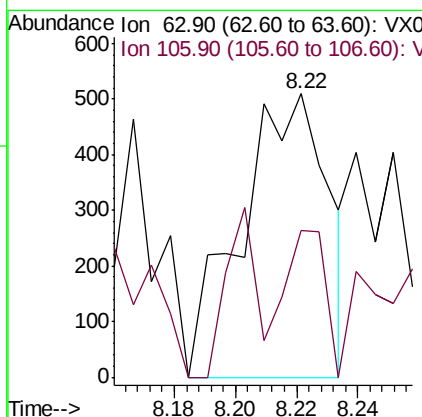
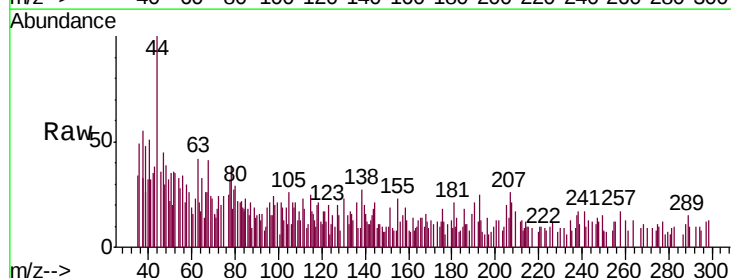
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-1

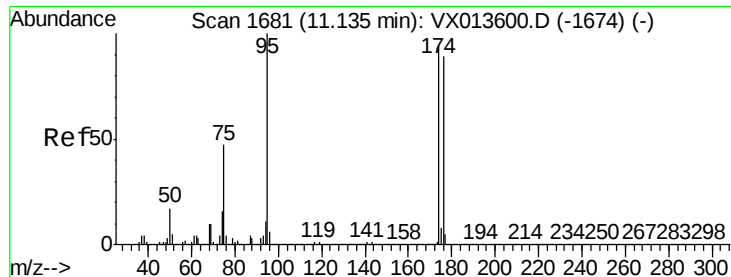
Tgt Ion: 43 Resp: 1945
 Ion Ratio Lower Upper
 43 100
 58 17.9 32.1 48.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.269 ug/l
 RT: 8.22 min Scan# 1203
 Delta R.T. -0.09 min
 Lab File: VX013906.D
 Acq: 10 Dec 2019 18:20

Tgt Ion: 63 Resp: 1010
 Ion Ratio Lower Upper
 63 100
 106 24.3 23.4 35.0

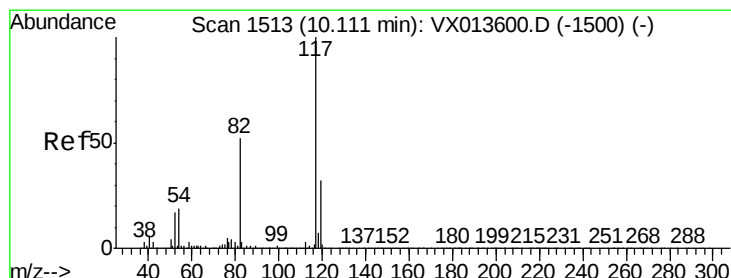
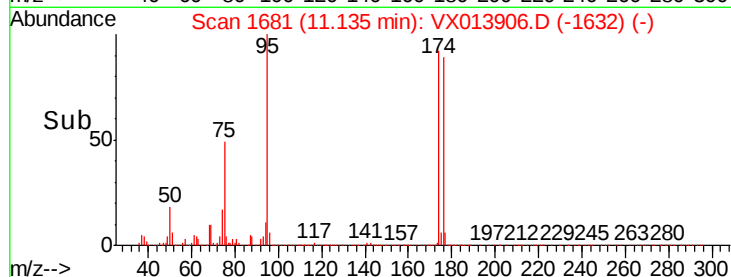
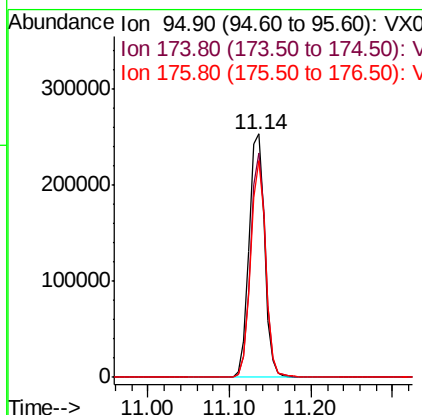
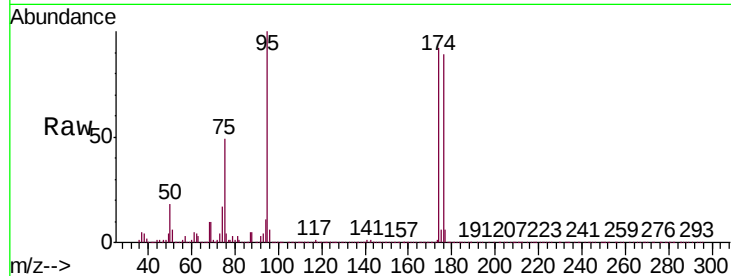




#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

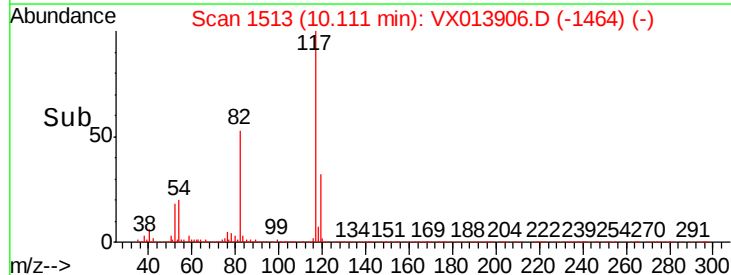
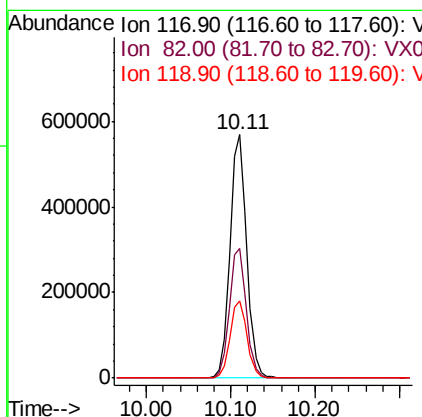
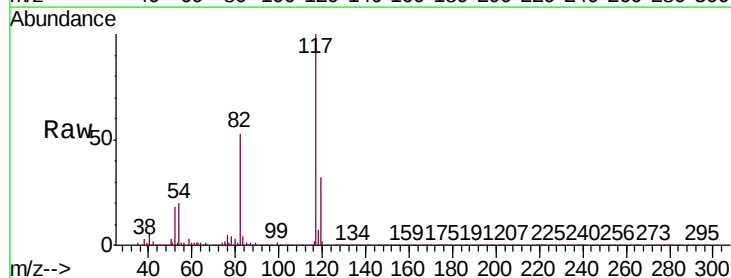
Instrument :
MSVOA_X
ClientSampleId :
TB-1

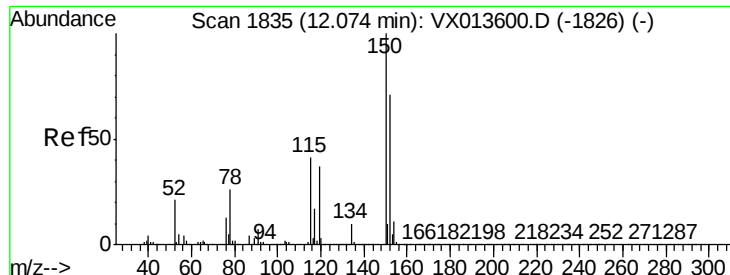
Tgt Ion: 95 Resp: 337919
Ion Ratio Lower Upper
95 100
174 89.5 0.0 180.0
176 86.2 0.0 173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013906.D
Acq: 10 Dec 2019 18:20

Tgt Ion: 117 Resp: 770277
Ion Ratio Lower Upper
117 100
82 53.4 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: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

TB-1

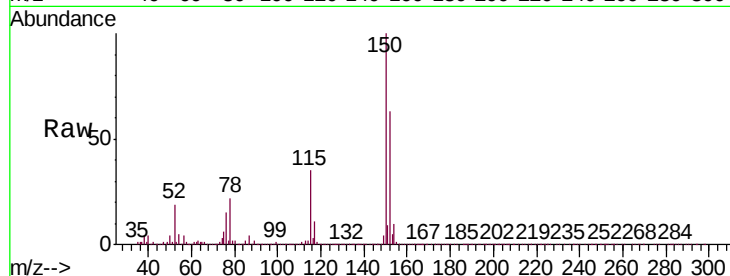
Tgt Ion: 152 Resp: 341785

Ion Ratio Lower Upper

152 100

115 55.1 38.4 115.1

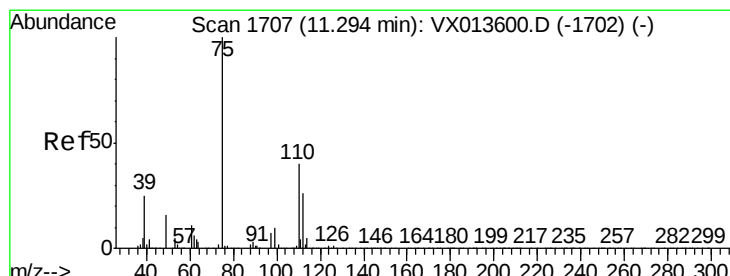
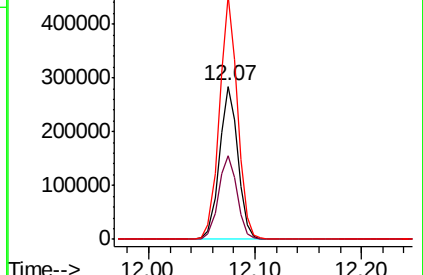
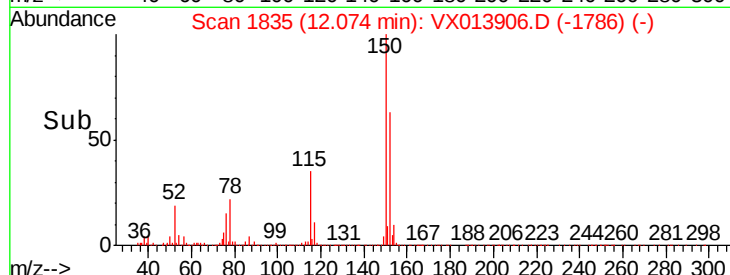
150 155.5 0.0 346.8



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: 21.713 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013906.D

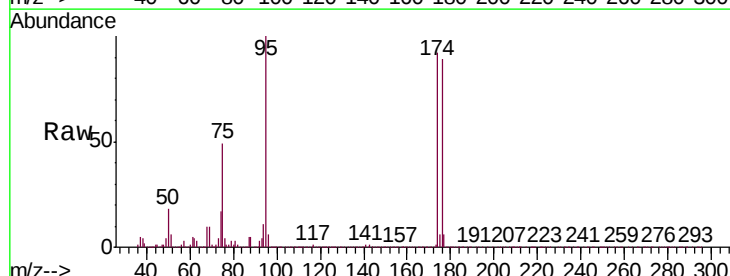
Acq: 10 Dec 2019 18:20

Tgt Ion: 75 Resp: 166915

Ion Ratio Lower Upper

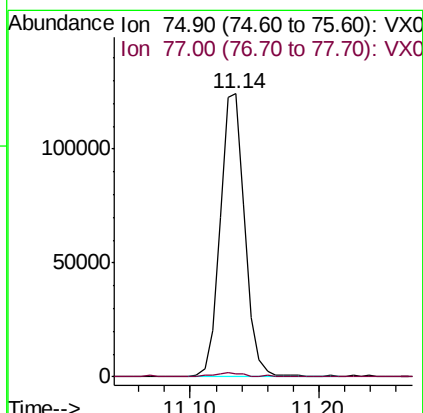
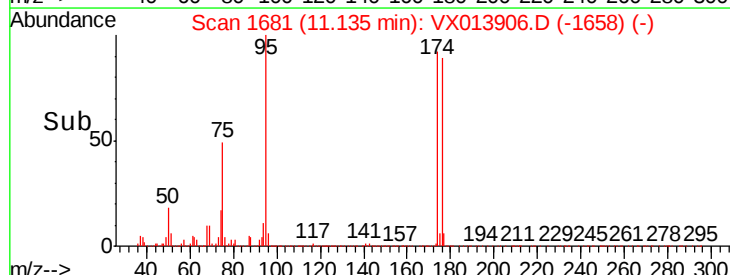
75 100

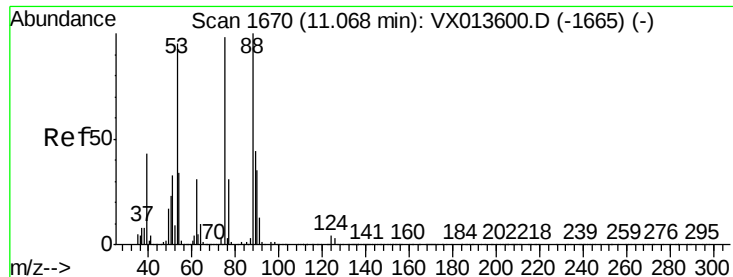
77 1.5 19.1 57.5#



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: 59.403 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013906.D

Acq: 10 Dec 2019 18:20

Instrument :

MSVOA_X

ClientSampleId :

TB-1

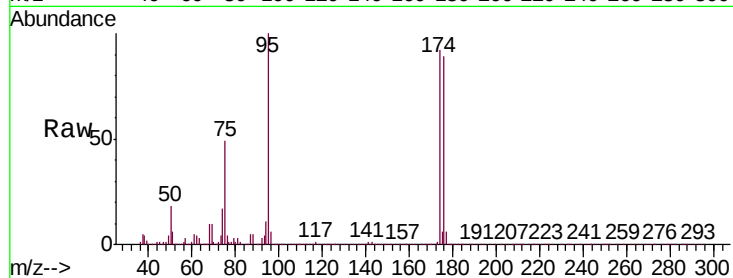
Tgt Ion: 75 Resp: 166915

Ion Ratio Lower Upper

75 100

53 0.5 78.2 117.2#

89 0.0 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

