

Data File : VX013909.D
Acq On : 10 Dec 2019 19:30
Operator : JC/SP
Sample : K6196-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-3

Quant Time: Dec 11 02:29:56 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	587525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	913492	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	803099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	351799	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	335211	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
35) Dibromofluoromethane	5.49	113	275174	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	8.71	98	1083314	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.14	95	360524	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	

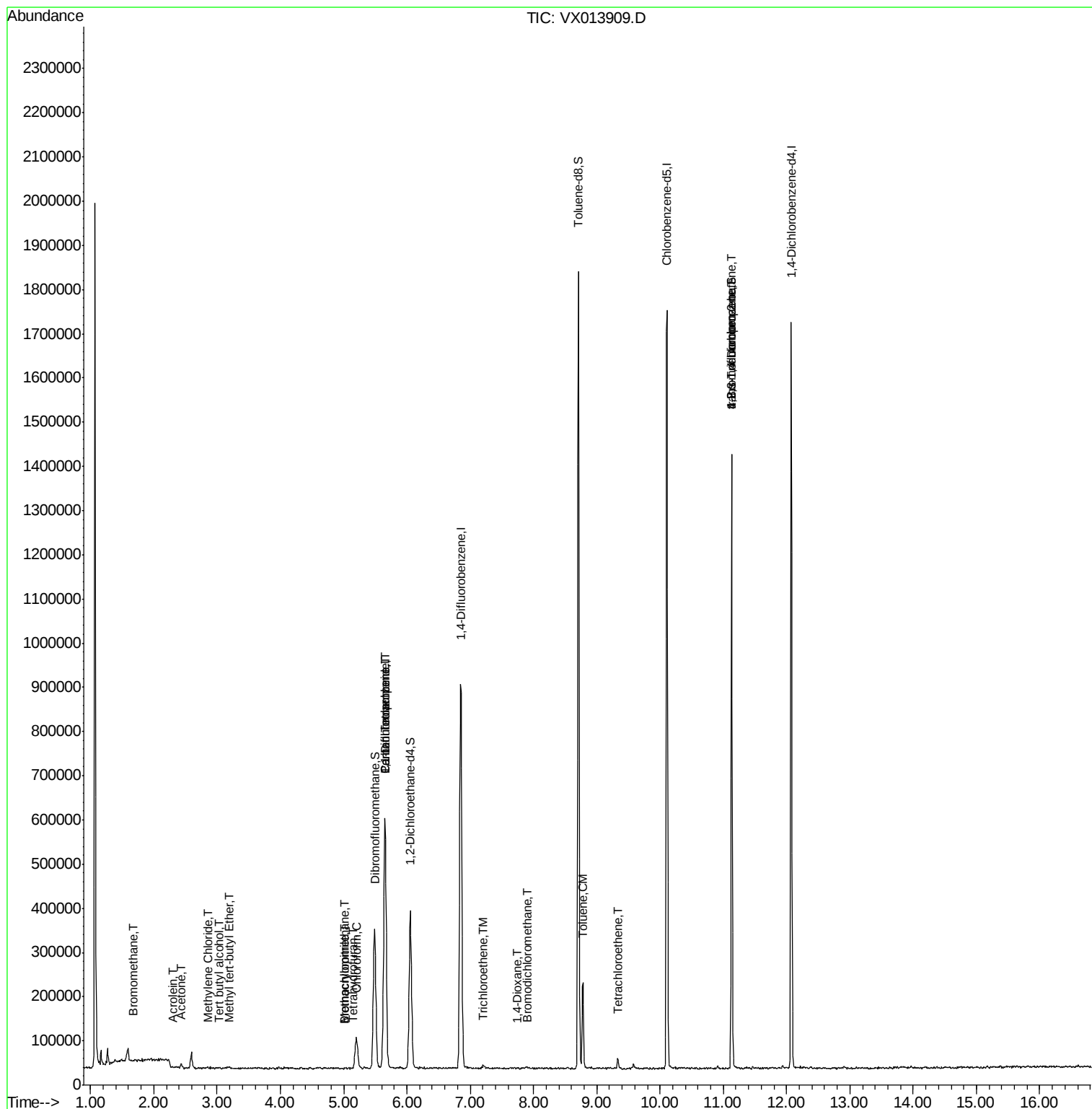
Target Compounds						Qvalue
5) Bromomethane	1.66	94	1136	0.205	ug/l #	2
11) Tert butyl alcohol	3.03	59	2093	1.243	ug/l #	88
13) Acrolein	2.29	56	679	6.592	ug/l	88
16) Acetone	2.43	43	10569	3.139	ug/l #	85
19) Methyl tert-butyl Ether	3.19	73	5346	0.289	ug/l #	88
20) Methylene Chloride	2.85	84	1651	0.255	ug/l #	72
28) Bromochloromethane	5.00	49	950	0.213	ug/l #	38
29) Tetrahydrofuran	5.14	42	728	0.236	ug/l #	32
30) Chloroform	5.20	83	88926	8.210	ug/l	97
36) 1,1-Dichloropropene	5.65	75	40877	4.930	ug/l #	52
38) Carbon Tetrachloride	5.65	117	52989	6.930	ug/l #	15
41) Methacrylonitrile	5.02	41	1039	0.204	ug/l #	24
44) Trichloroethene	7.20	130	2642	0.381	ug/l	85
47) Bromodichloromethane	7.89	83	5303	0.654	ug/l #	87
49) 1,4-Dioxane	7.73	88	291	1.747	ug/l #	63
52) Toluene	8.78	92	76729	4.890	ug/l	98
64) Tetrachloroethene	9.33	164	4996	0.834	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	173525	21.930	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	173525	59.997	ug/l #	11

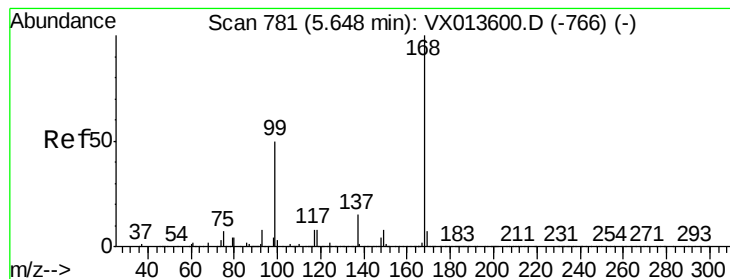
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX013909.D
Acq On : 10 Dec 2019 19:30
Operator : JC/SP
Sample : K6196-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-3

Quant Time: Dec 11 02:29:56 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

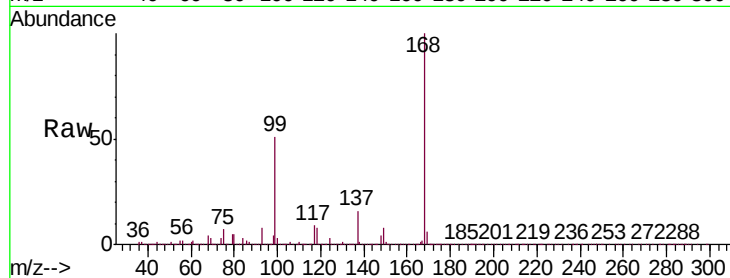
TW-3

Tgt Ion:168 Resp: 587525

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

200000

150000

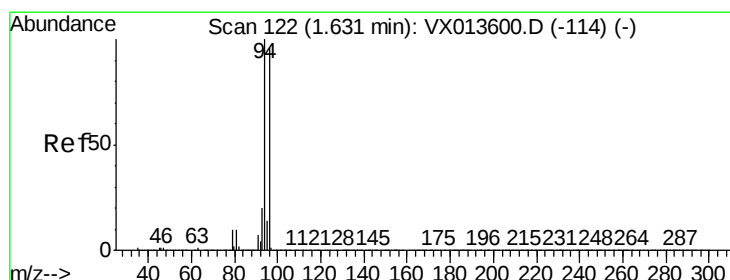
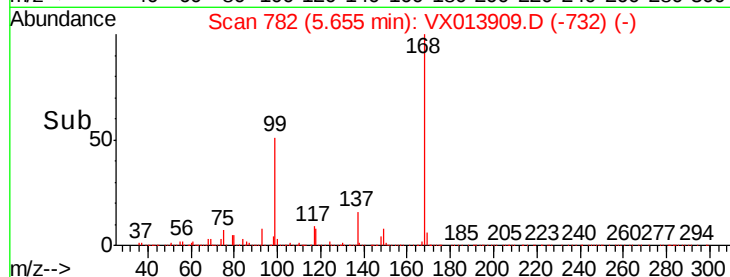
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.66 min Scan# 127

Delta R.T. 0.03 min

Lab File: VX013909.D

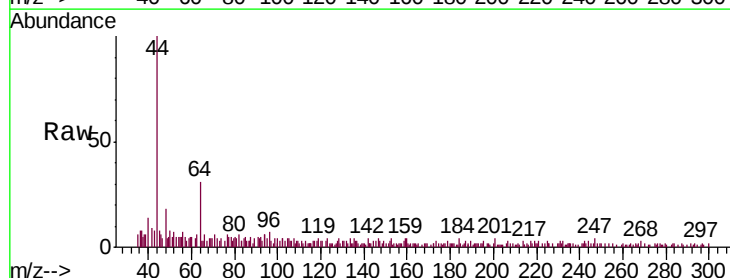
Acq: 10 Dec 2019 19:30

Tgt Ion: 94 Resp: 1136

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

600

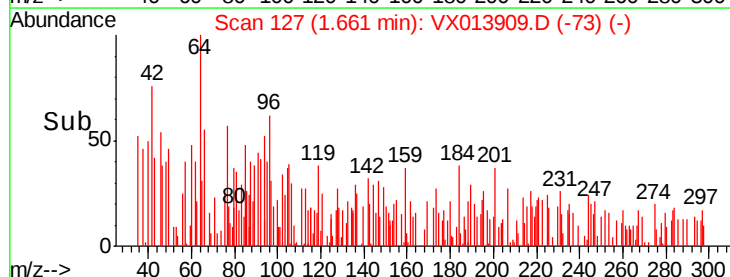
400

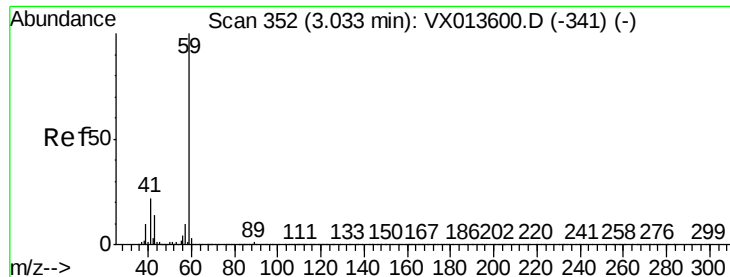
200

0

Time-->

1.60 1.65 1.70



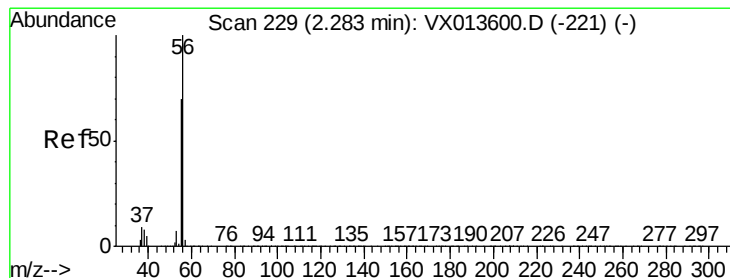
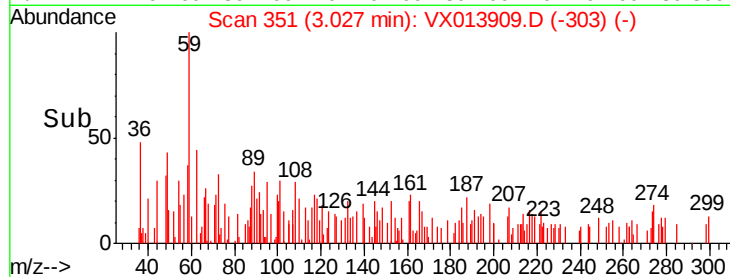
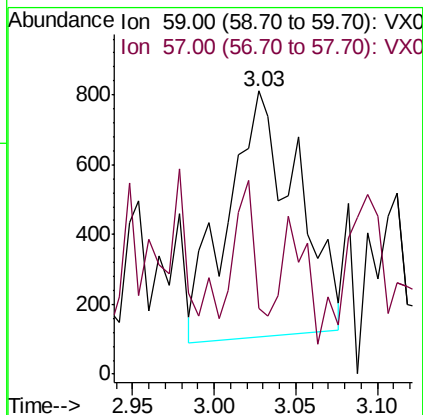
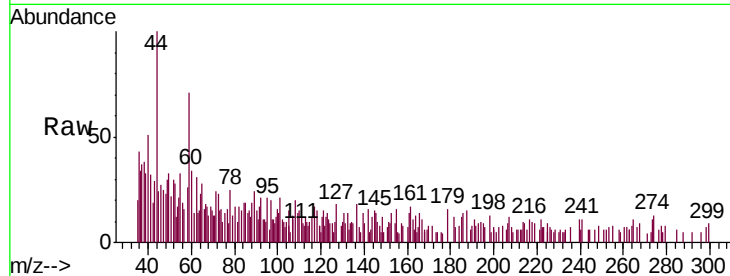


#11

Tert butyl alcohol
 Concen: 1.243 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013909.D
 Acq: 10 Dec 2019 19:30

Instrument :
 MSVOA_X
 ClientSampled :
 TW-3

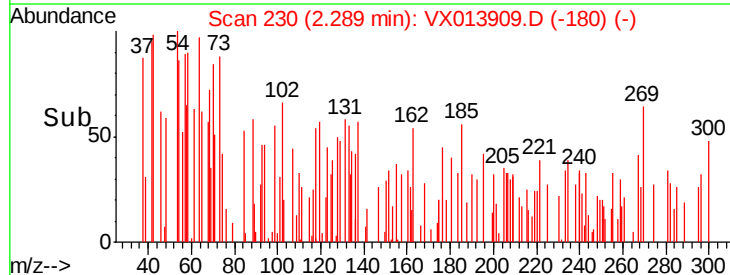
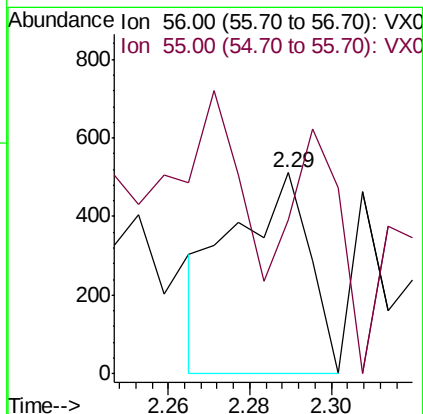
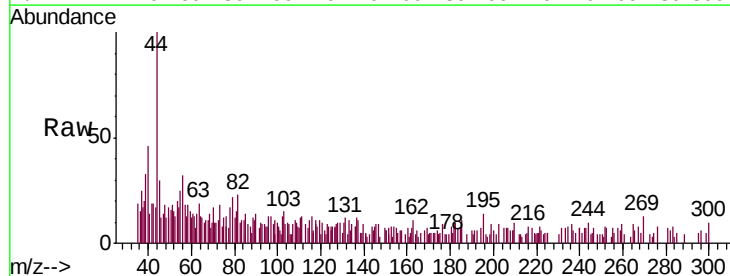
Tgt Ion: 59 Resp: 2093
 Ion Ratio Lower Upper
 59 100
 57 14.2 7.8 11.6#

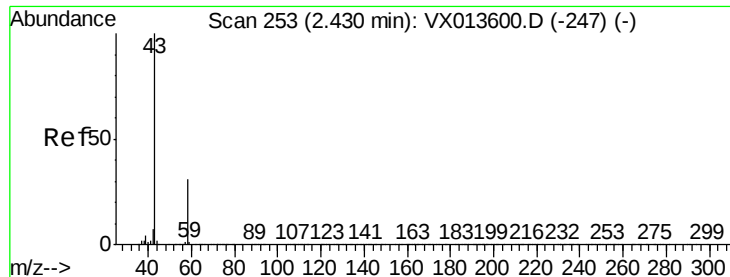


#13

Acrolein
 Concen: 6.592 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX013909.D
 Acq: 10 Dec 2019 19:30

Tgt Ion: 56 Resp: 679
 Ion Ratio Lower Upper
 56 100
 55 80.1 56.2 84.4





#16

Acetone

Concen: 3.139 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

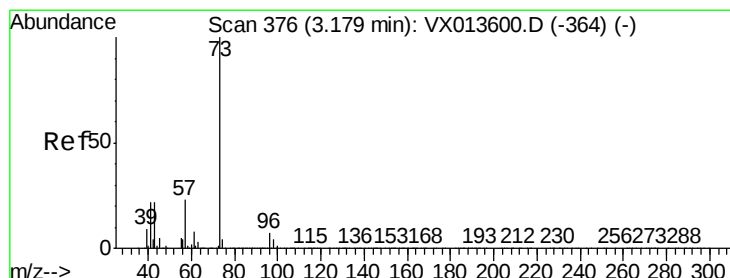
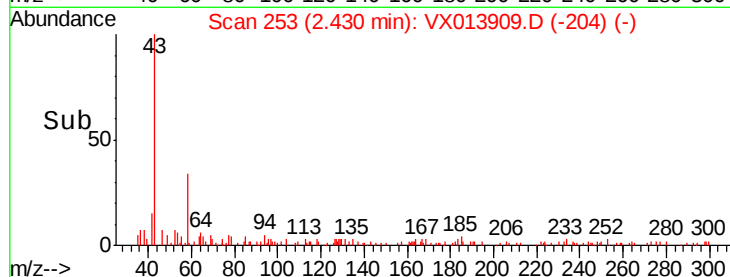
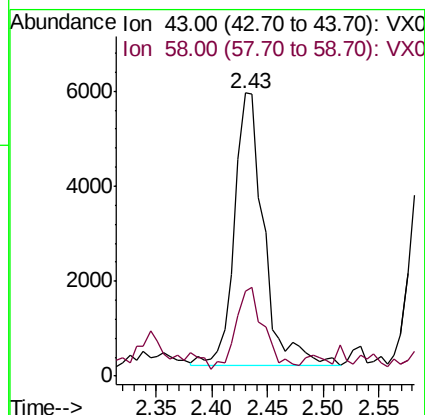
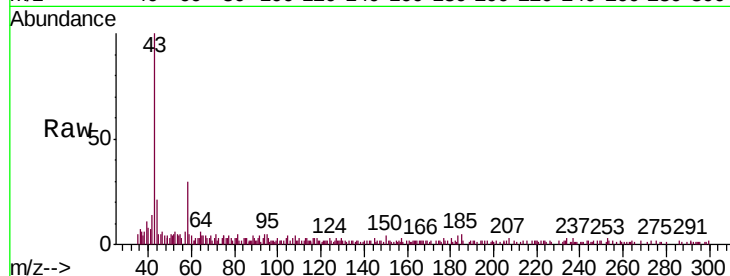
TW-3

Tgt Ion: 43 Resp: 10569

Ion Ratio Lower Upper

43 100

58 22.6 24.6 36.8#



#19

Methyl tert-butyl Ether

Concen: 0.289 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.01 min

Lab File: VX013909.D

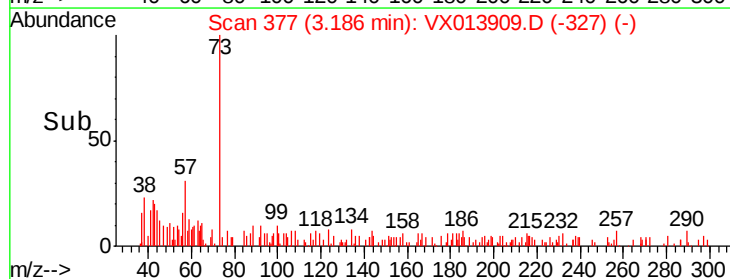
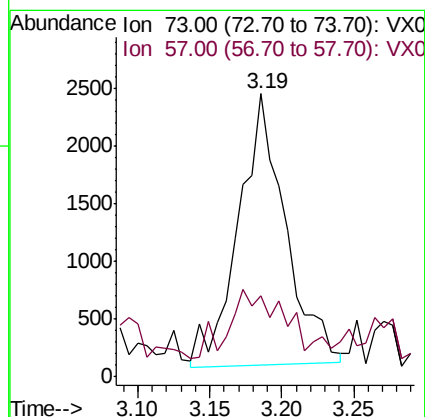
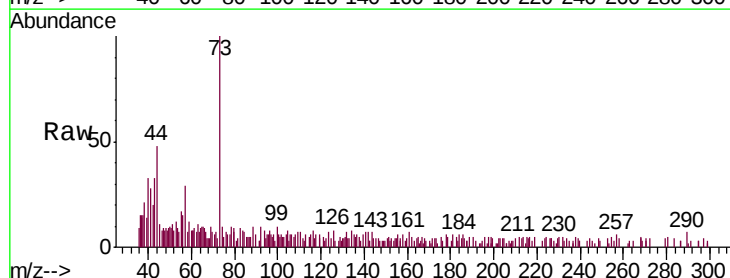
Acq: 10 Dec 2019 19:30

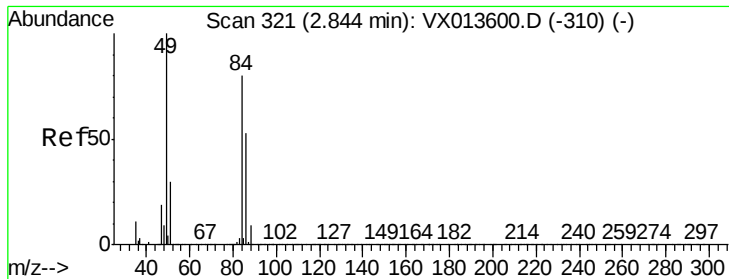
Tgt Ion: 73 Resp: 5346

Ion Ratio Lower Upper

73 100

57 17.3 18.3 27.5#

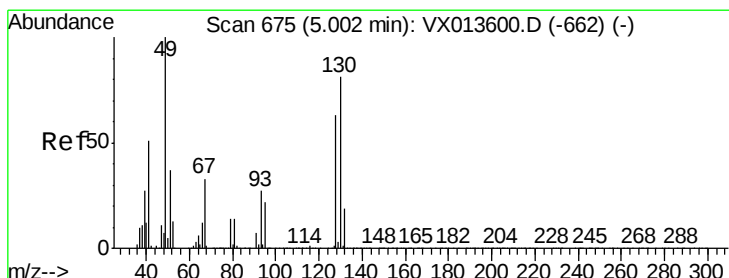
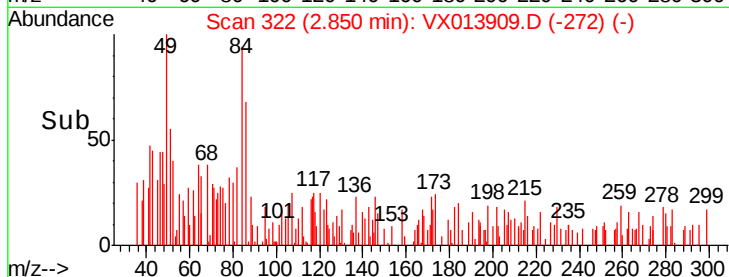
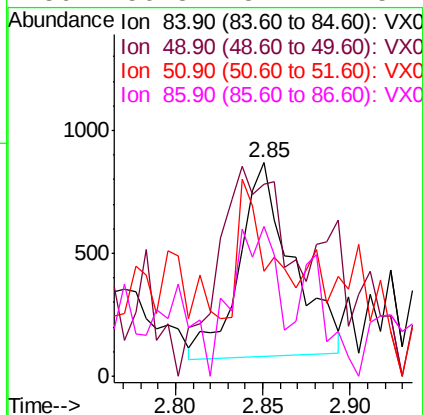
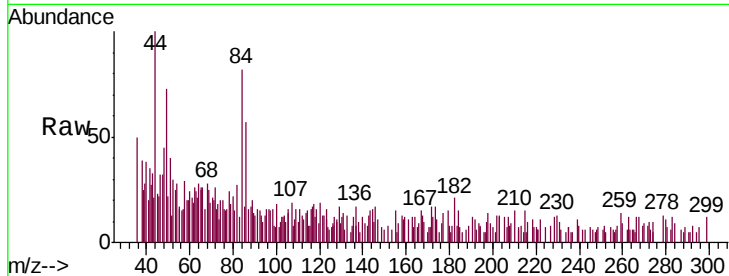




#20
Methylene Chloride
Concen: 0.255 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

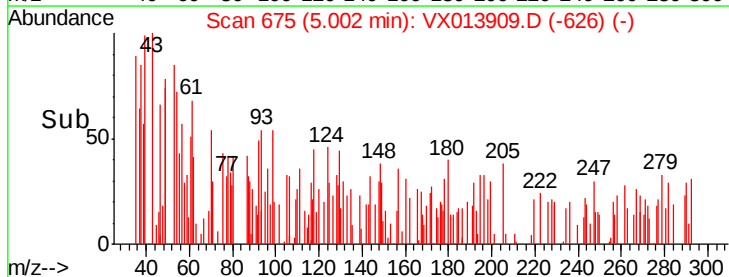
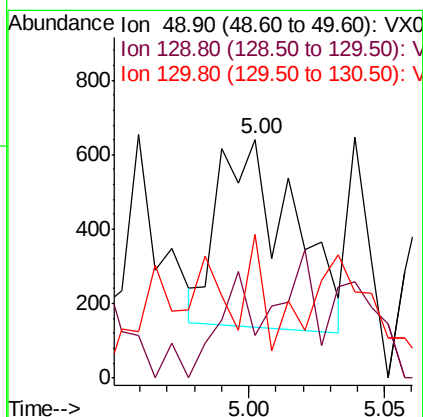
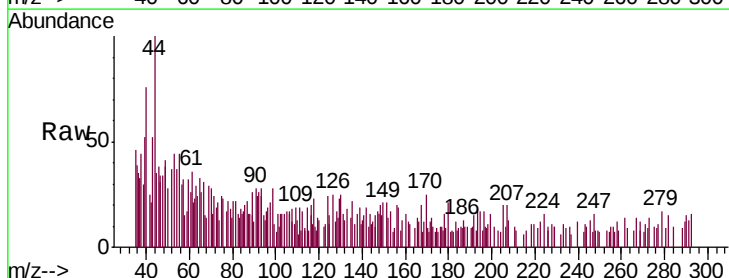
Instrument :
MSVOA_X
ClientSampled :
TW-3

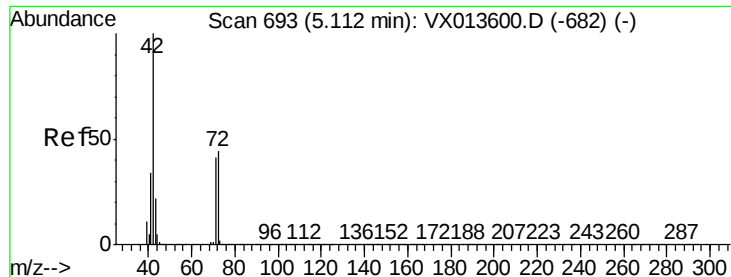
Tgt Ion:	84	Resp:	1651
Ion	Ratio	Lower	Upper
84	100		
49	76.7	99.7	149.5#
51	44.1	29.9	44.9
86	56.3	52.2	78.4



#28
Bromochloromethane
Concen: 0.213 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

Tgt Ion:	49	Resp:	950
Ion	Ratio	Lower	Upper
49	100		
129	25.1	0.0	5.0#
130	26.1	65.4	98.0#





#29

Tetrahydrofuran

Concen: 0.236 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleID :

TW-3

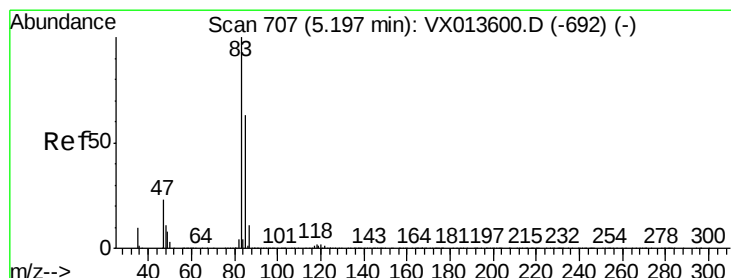
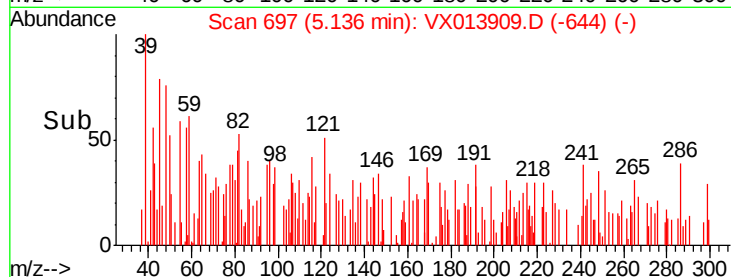
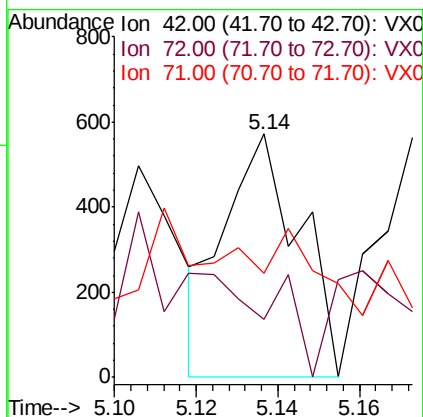
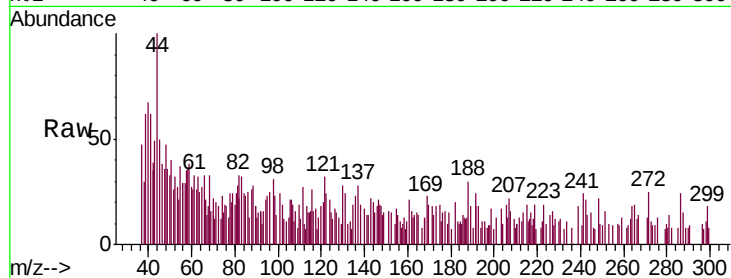
Tgt Ion: 42 Resp: 728

Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 0.0 33.2 49.8#



#30

Chloroform

Concen: 8.210 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013909.D

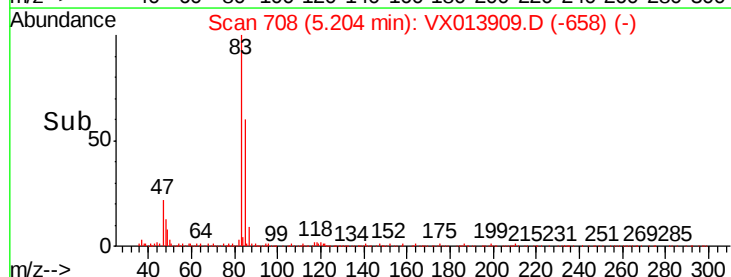
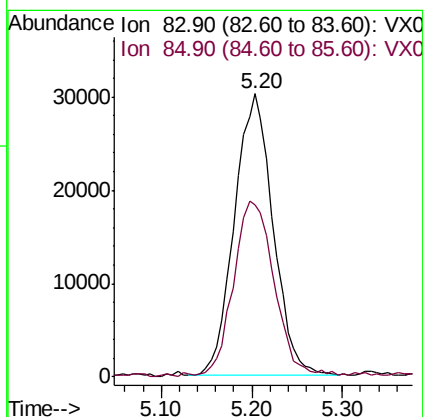
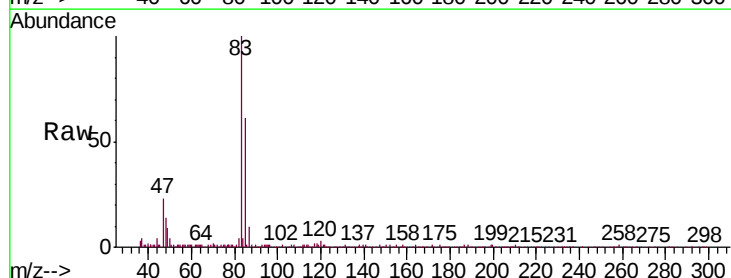
Acq: 10 Dec 2019 19:30

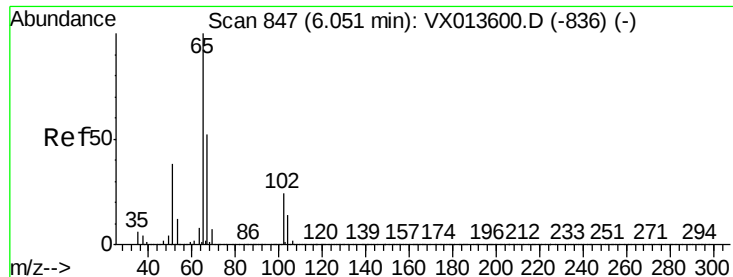
Tgt Ion: 83 Resp: 88926

Ion Ratio Lower Upper

83 100

85 60.5 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 49.152 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

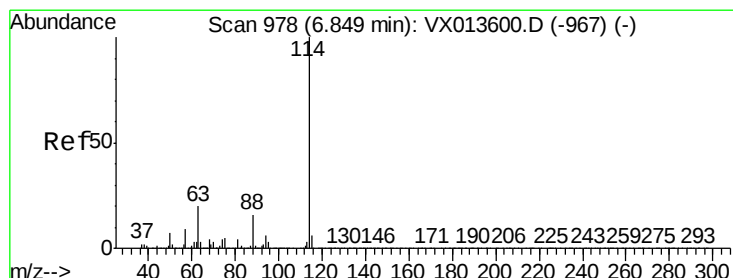
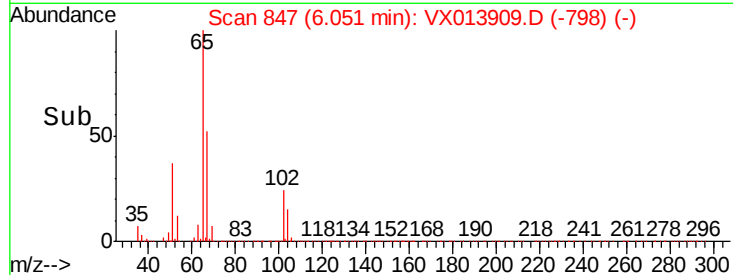
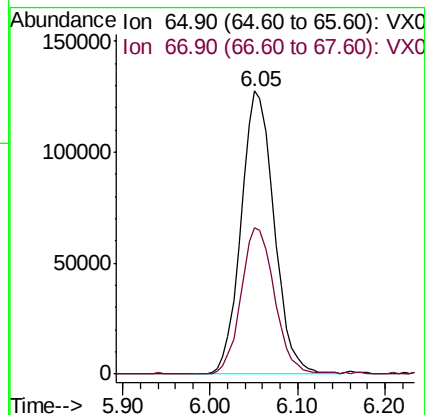
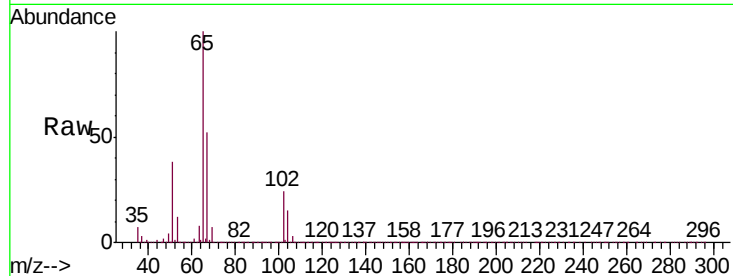
TW-3

Tgt Ion: 65 Resp: 335211

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

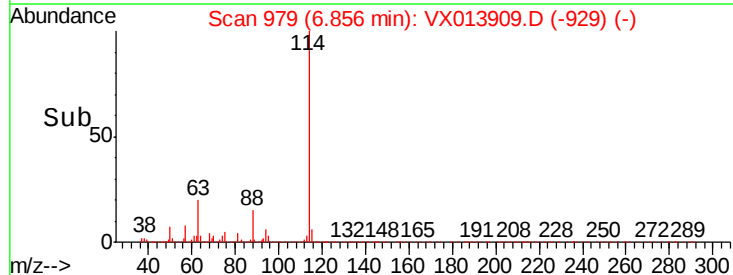
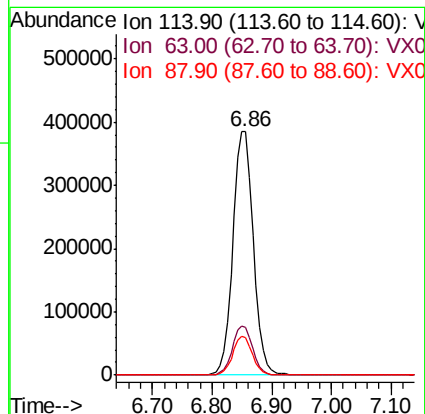
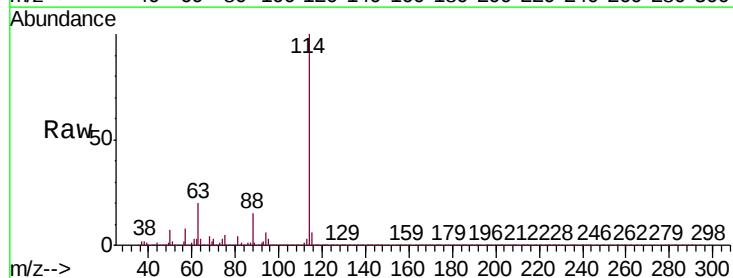
Tgt Ion: 114 Resp: 913492

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.726 ug/l

RT: 5.49 min Scan# 755

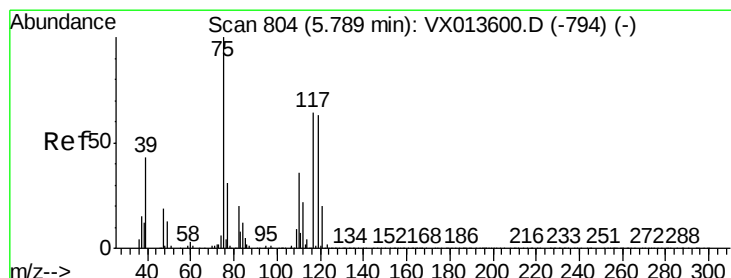
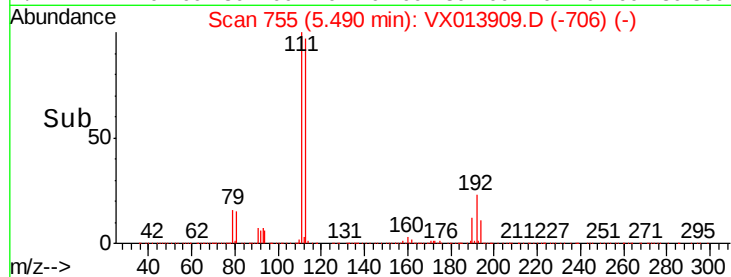
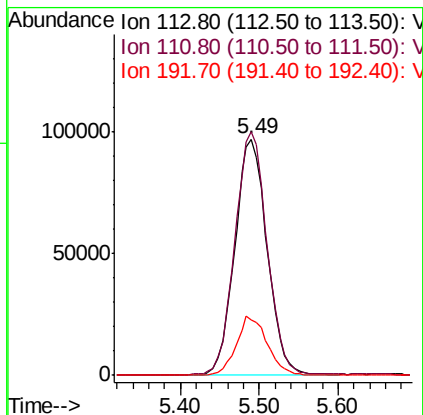
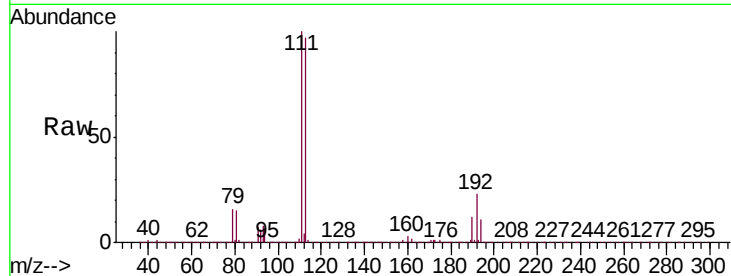
Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :
MSVOA_X
ClientSampled :
TW-3

Tgt Ion:	113	Resp:	275174
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.6	125.4
192	24.0	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.930 ug/l

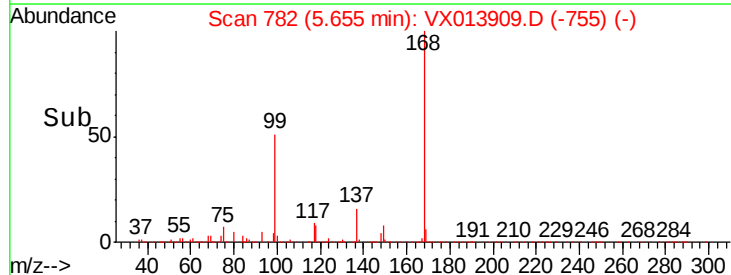
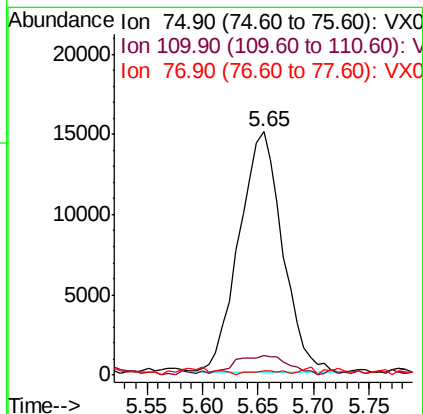
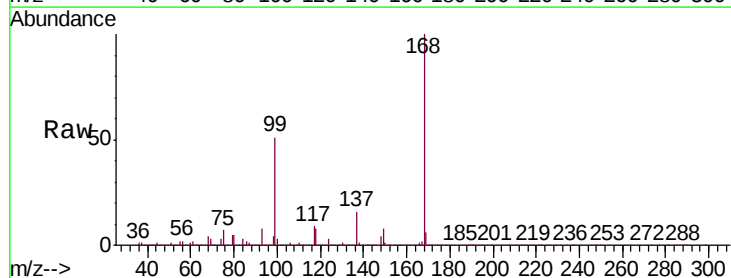
RT: 5.65 min Scan# 782

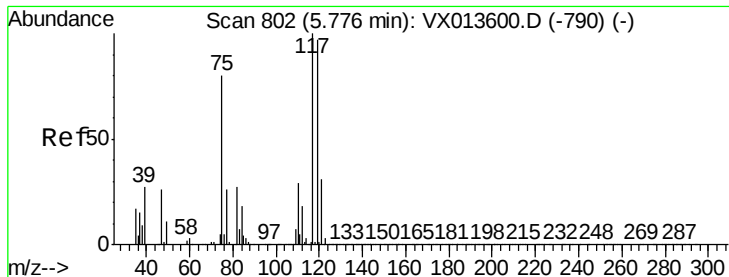
Delta R.T. -0.13 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Tgt Ion:	75	Resp:	40877
Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.1#
77	1.5	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.930 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

TW-3

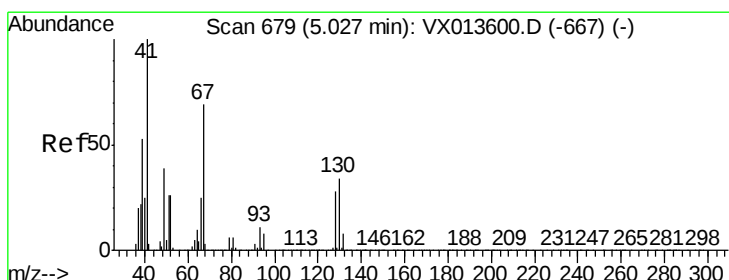
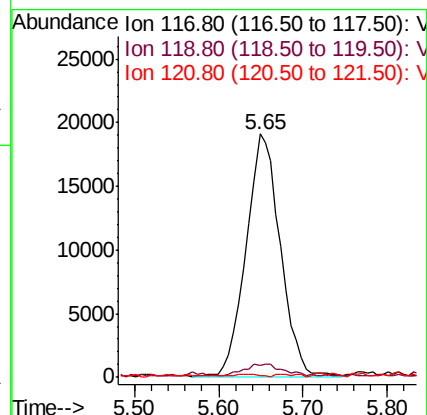
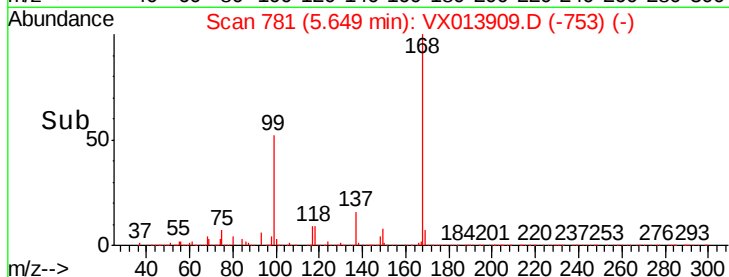
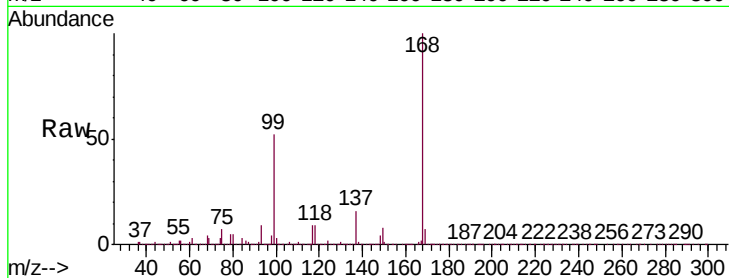
Tgt Ion: 117 Resp: 52989

Ion Ratio Lower Upper

117 100

119 4.0 77.5 116.3#

121 0.2 25.0 37.6#



#41

Methacrylonitrile

Concen: 0.204 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Tgt Ion: 41 Resp: 1039

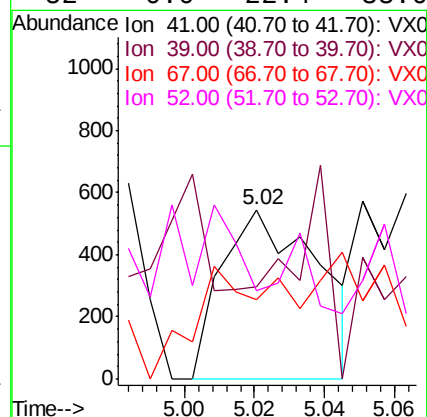
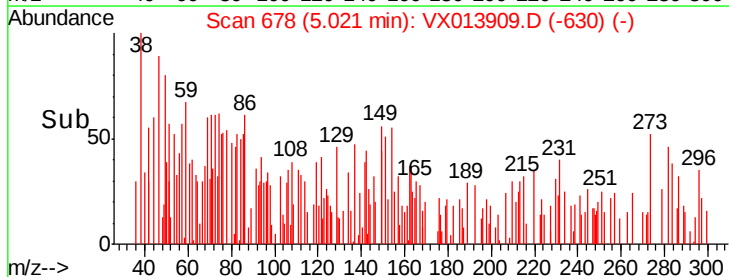
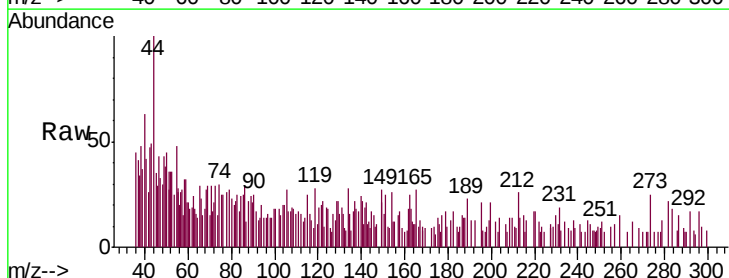
Ion Ratio Lower Upper

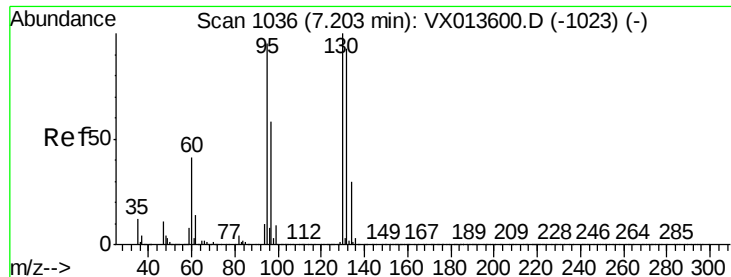
41 100

39 0.0 42.9 64.3#

67 0.0 57.4 86.0#

52 0.0 22.4 33.6#





#44

Trichloroethene

Concen: 0.381 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

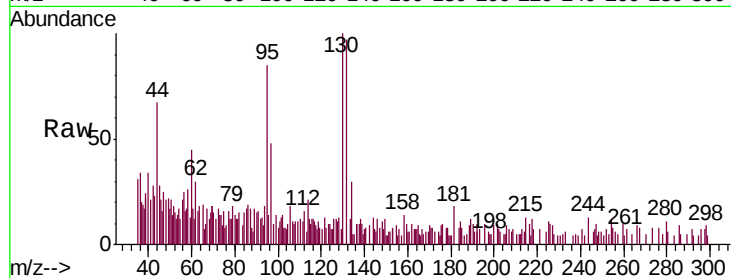
TW-3

Tgt Ion:130 Resp: 2642

Ion Ratio Lower Upper

130 100

95 80.4 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

2000

1500

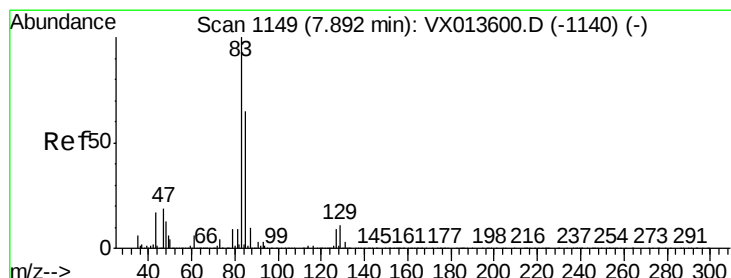
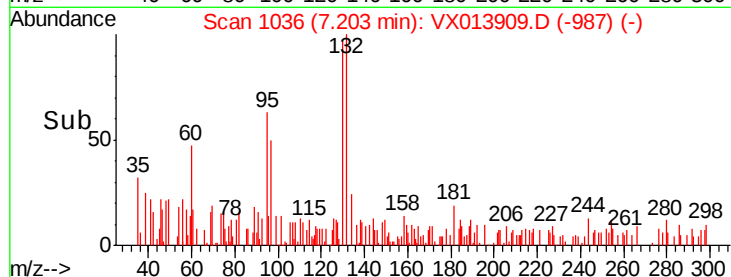
1000

500

0

7.15 7.20 7.25

Time-->



#47

Bromodichloromethane

Concen: 0.654 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

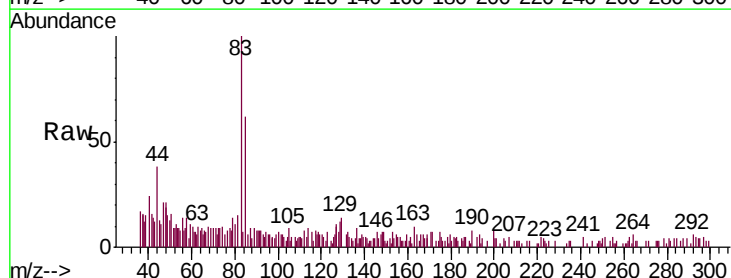
Tgt Ion: 83 Resp: 5303

Ion Ratio Lower Upper

83 100

85 56.2 52.1 78.1

127 17.1 7.0 10.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

3000

2500

2000

1500

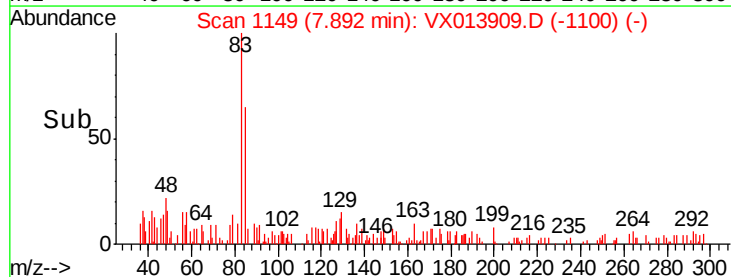
1000

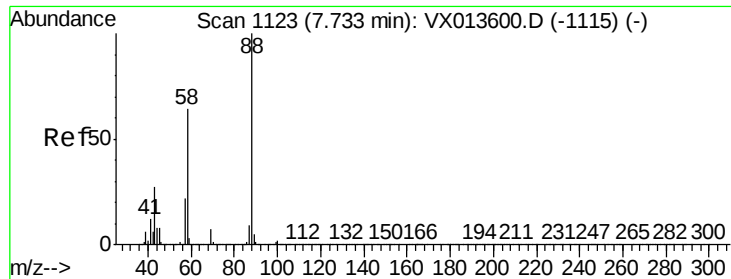
500

0

7.80 7.85 7.90 7.95

Time-->





#49

1,4-Dioxane

Concen: 1.747 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampled :

TW-3

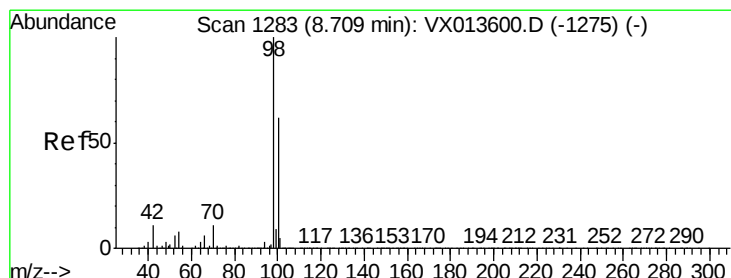
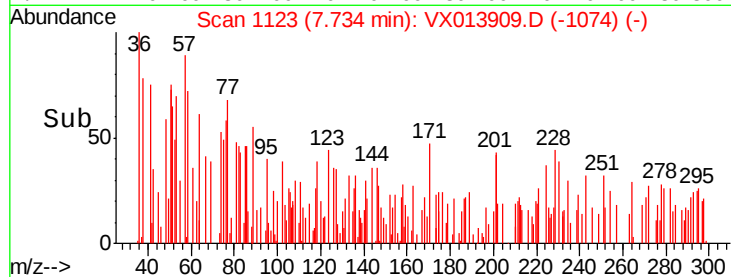
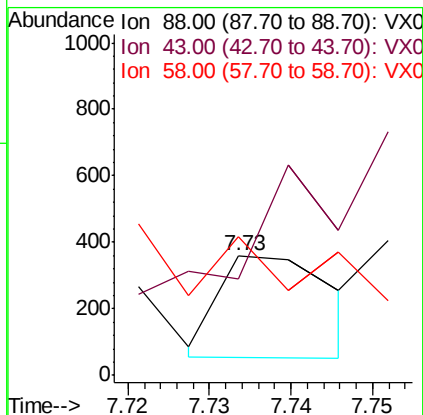
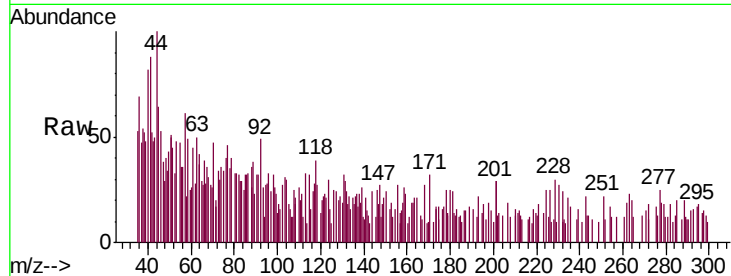
Tgt Ion: 88 Resp: 291

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 46.0 54.6 82.0#



#50

Toluene-d8

Concen: 49.236 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013909.D

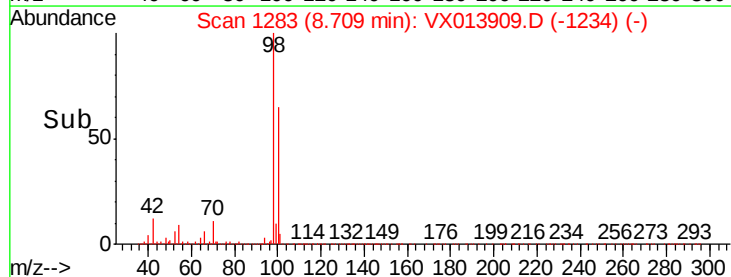
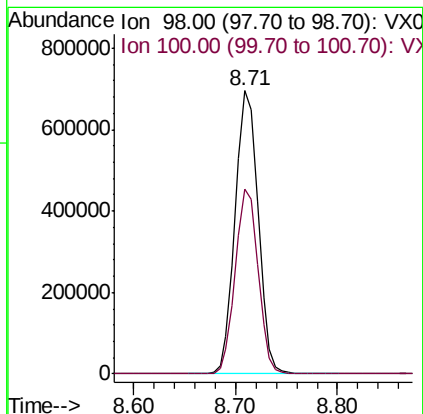
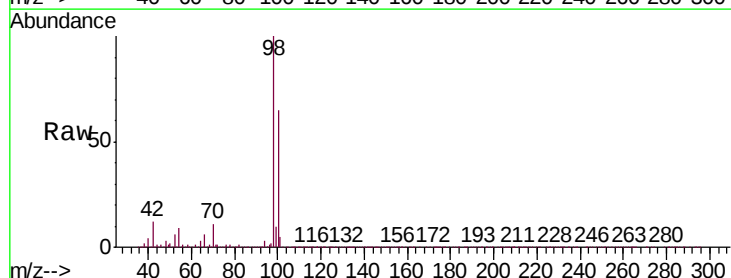
Acq: 10 Dec 2019 19:30

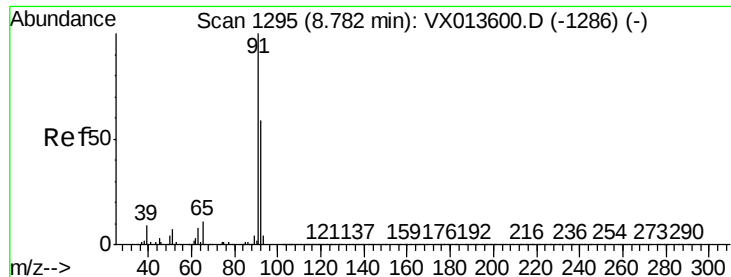
Tgt Ion: 98 Resp: 1083314

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7





#52

Toluene

Concen: 4.890 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

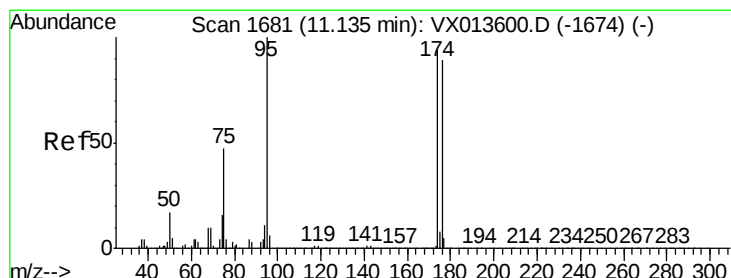
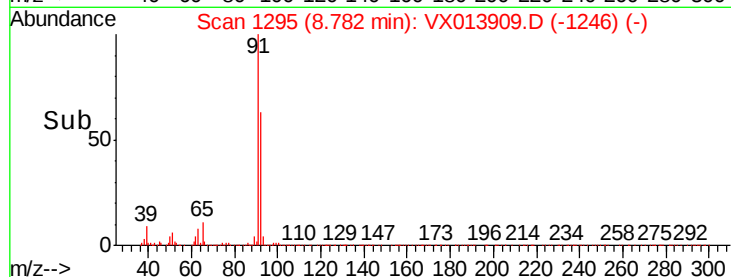
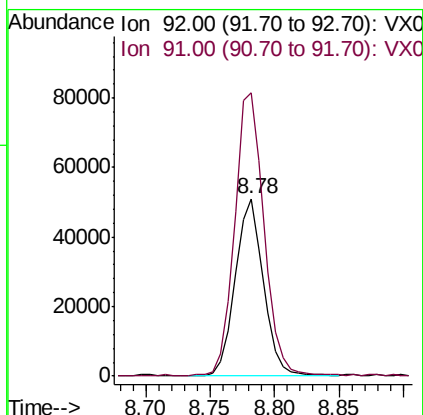
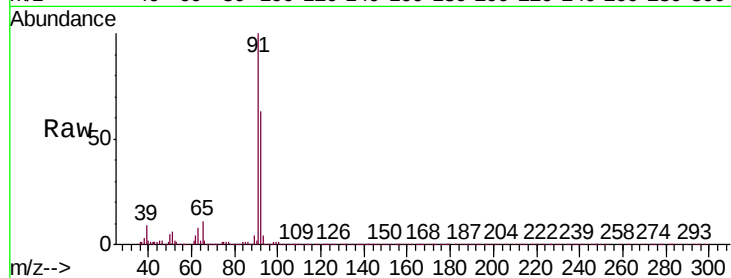
TW-3

Tgt Ion: 92 Resp: 76729

Ion Ratio Lower Upper

92 100

91 167.8 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 45.439 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

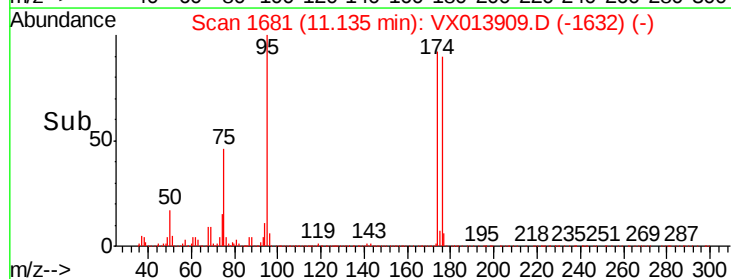
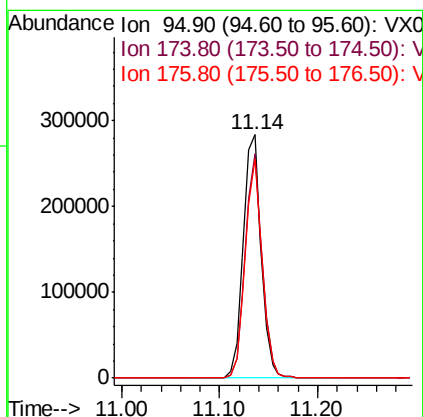
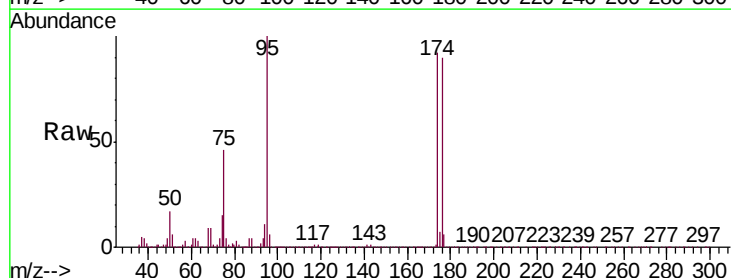
Tgt Ion: 95 Resp: 360524

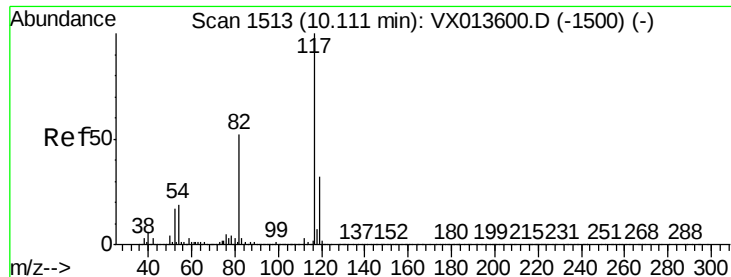
Ion Ratio Lower Upper

95 100

174 87.7 0.0 180.0

176 85.8 0.0 173.6

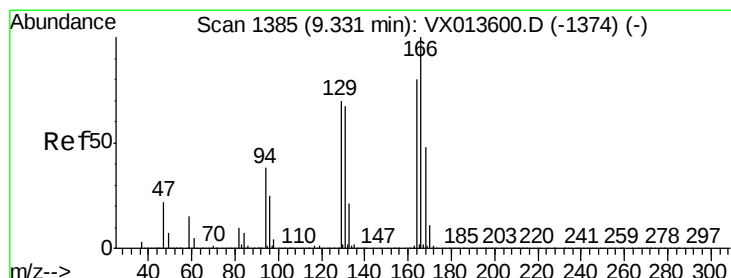
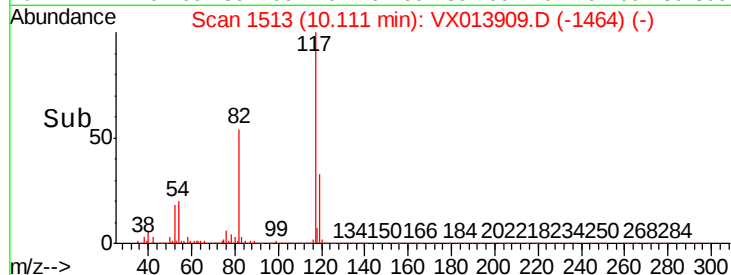
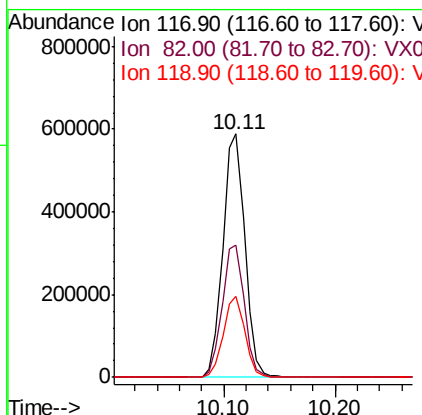
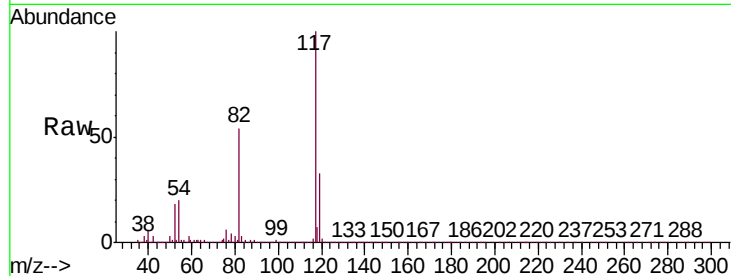




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

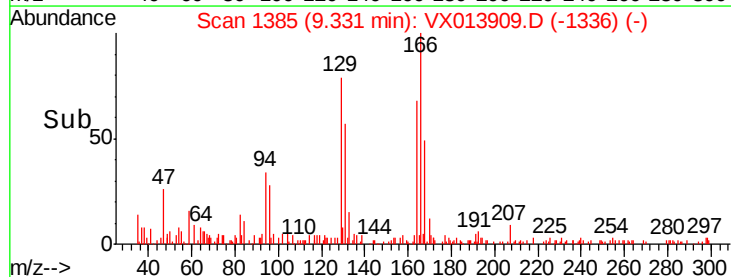
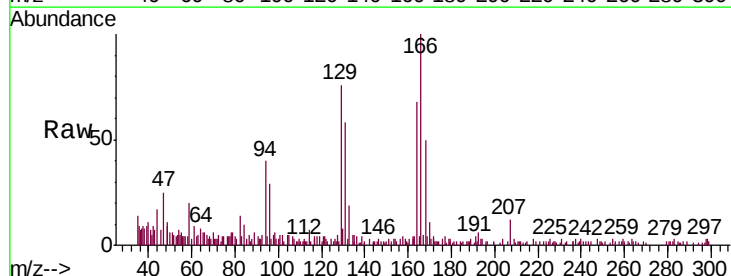
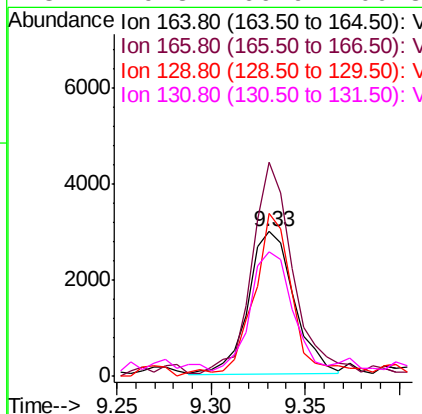
Instrument :
MSVOA_X
ClientSampleId :
TW-3

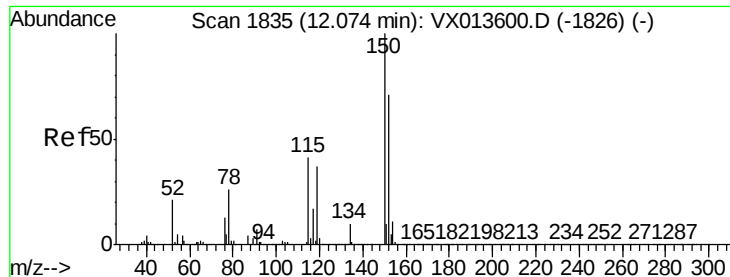
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.8	62.8
119	33.3	25.8	38.8



#64
Tetrachloroethene
Concen: 0.834 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	148.2	99.7	149.5
129	112.2	70.1	105.1
131	79.3	66.9	100.3



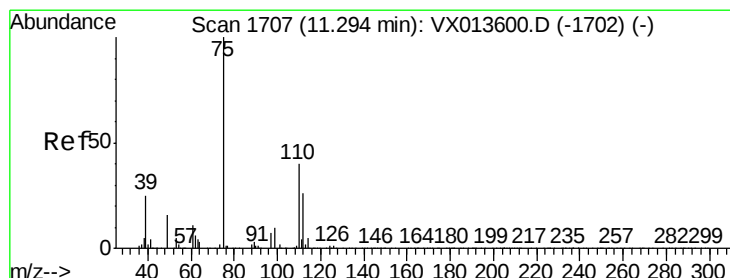
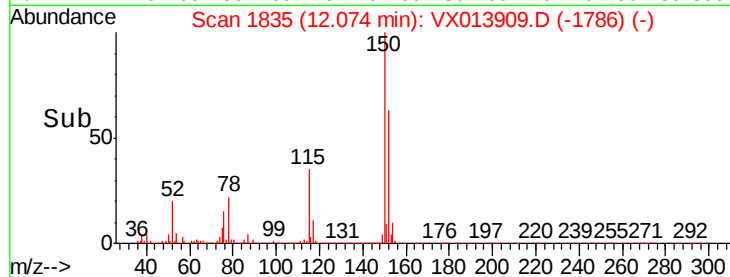
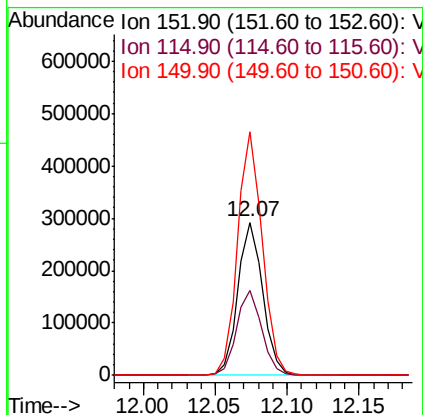
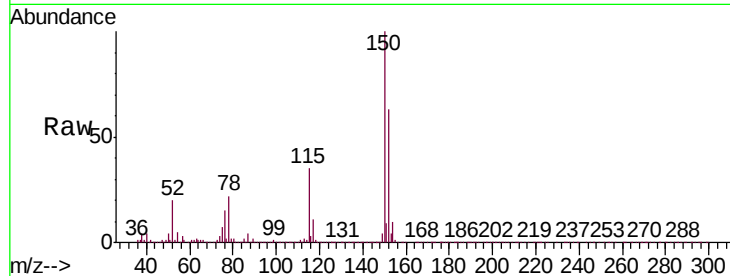


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

Instrument :
MSVOA_X
ClientSampled :
TW-3

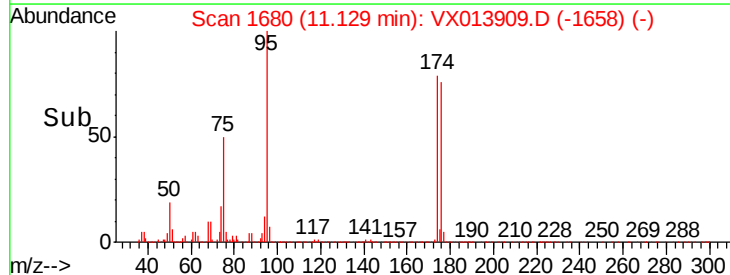
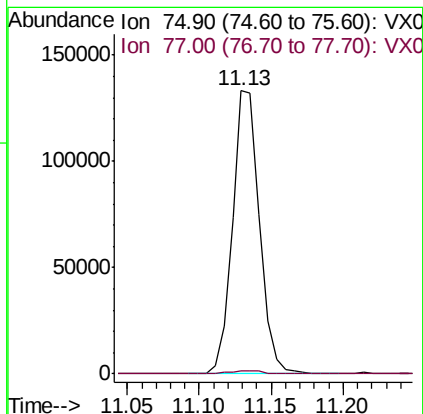
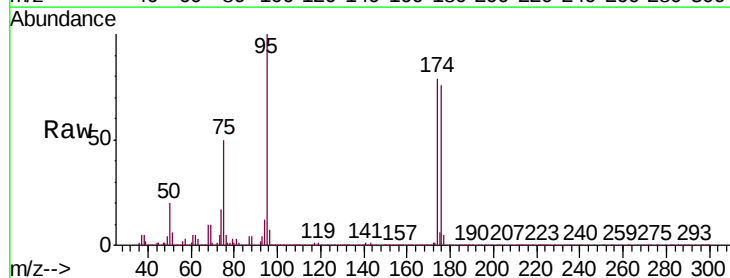
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	38.4	115.1
150	157.5	0.0	346.8

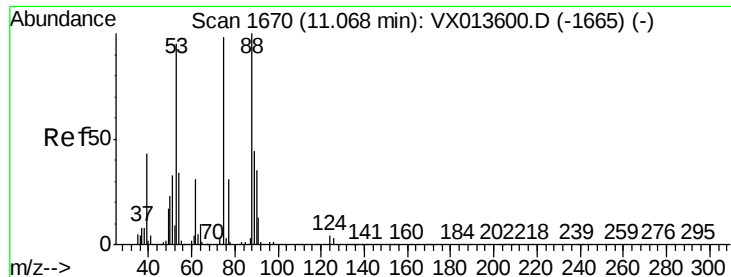


#76

1,2,3-Trichloropropane
Concen: 21.930 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX013909.D
Acq: 10 Dec 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.997 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013909.D

Acq: 10 Dec 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

TW-3

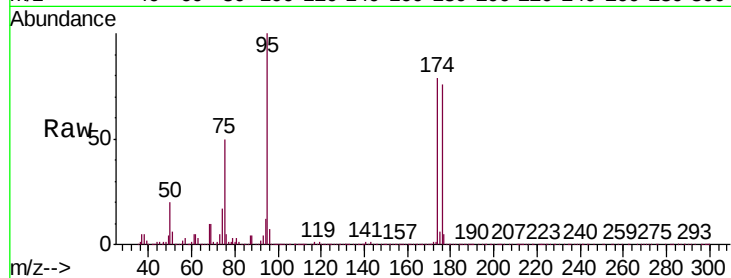
Tgt Ion: 75 Resp: 173525

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.4 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

