

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX0137848.D
 Acq On : 09 Dec 2019 13:50
 Operator : JC/SP
 Sample : K6185-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 03:24:44 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	628096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	958156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	858026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	372740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	348605	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	5.48	113	289055	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	1139799	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.13	95	376803	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

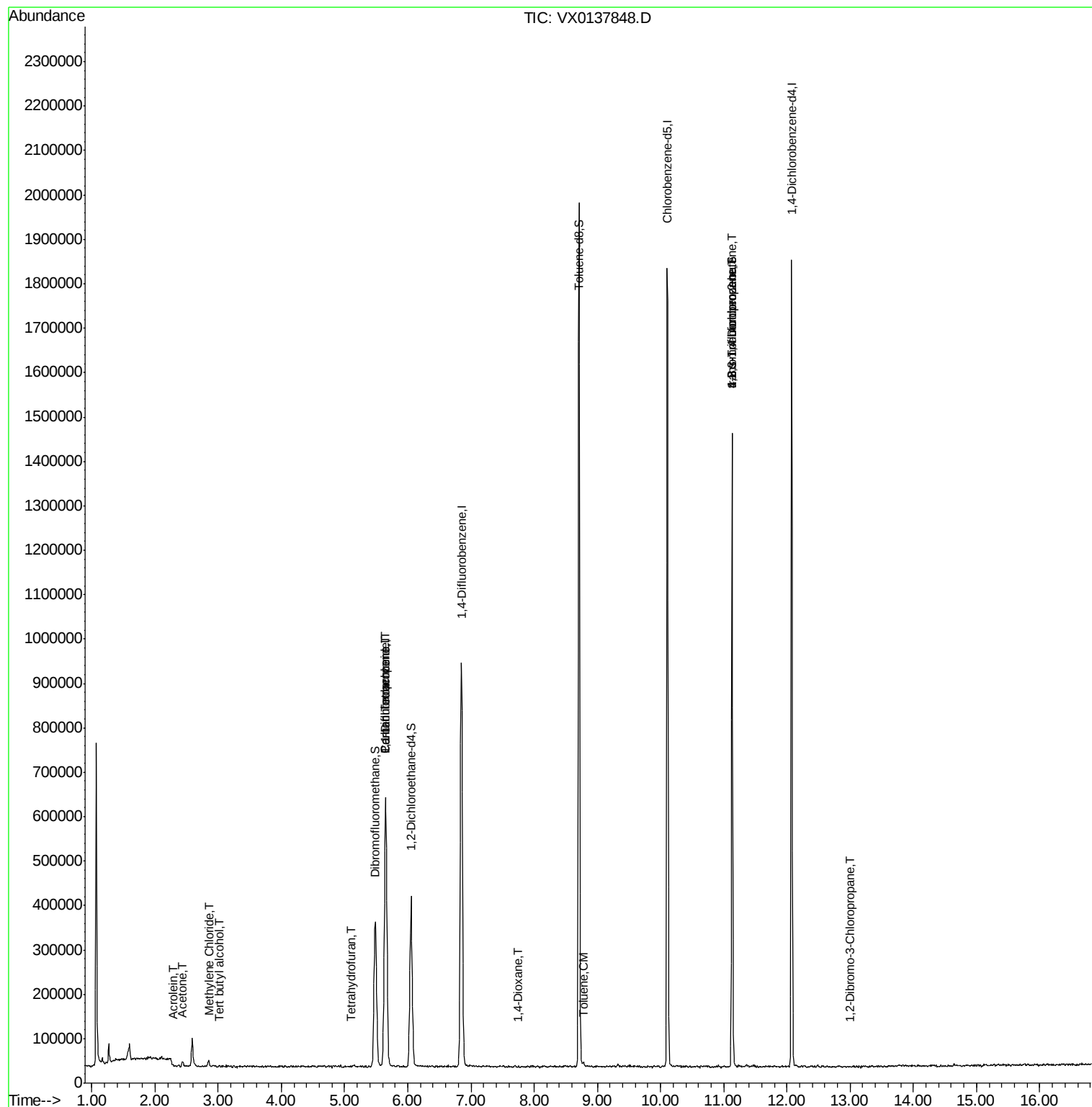
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	3743	2.080	ug/l #	74
13) Acrolein	2.28	56	1237	7.007	ug/l #	15
16) Acetone	2.43	43	12486	3.469	ug/l	96
20) Methylene Chloride	2.84	84	6606	0.955	ug/l #	88
29) Tetrahydrofuran	5.11	42	1024	0.311	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	42799	4.921	ug/l #	52
38) Carbon Tetrachloride	5.64	117	56075	6.992	ug/l #	14
49) 1,4-Dioxane	7.74	88	101	0.578	ug/l #	1
52) Toluene	8.78	92	3452	0.210	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	186324	22.225	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	186324	60.803	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.99	75	522	0.264	ug/l #	24

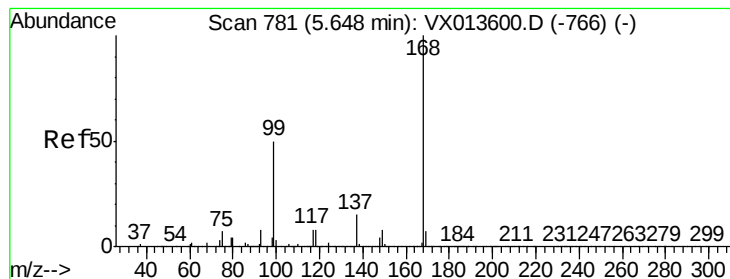
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

Instrument :

MSVOA_X

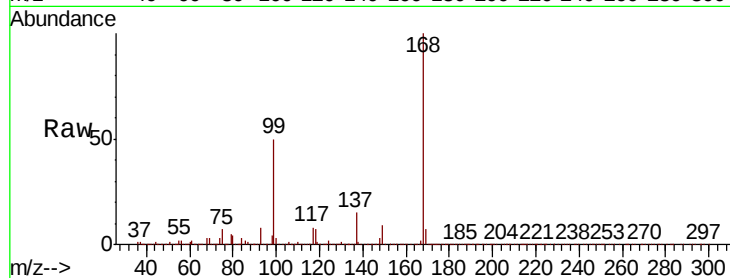
ClientSampled :

Tot Ion:168 Resp: 628096

Ion Ratio Lower Upper

168 100

99 49.6 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

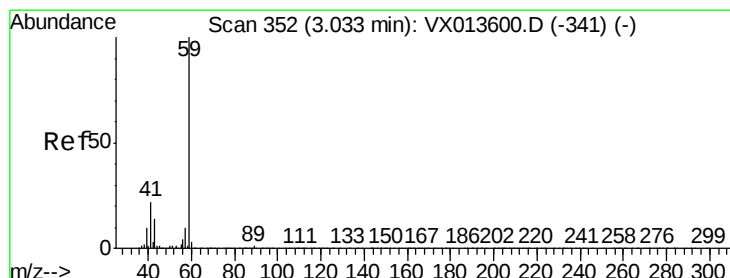
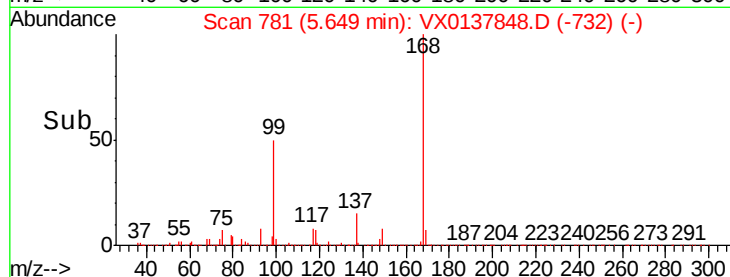
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.080 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX0137848.D

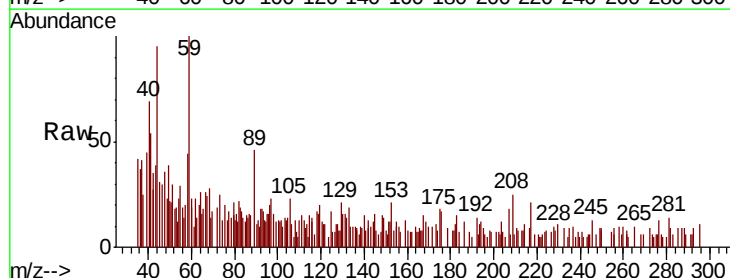
Acq: 09 Dec 2019 13:50

Tgt Ion: 59 Resp: 3743

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

1200

1000

800

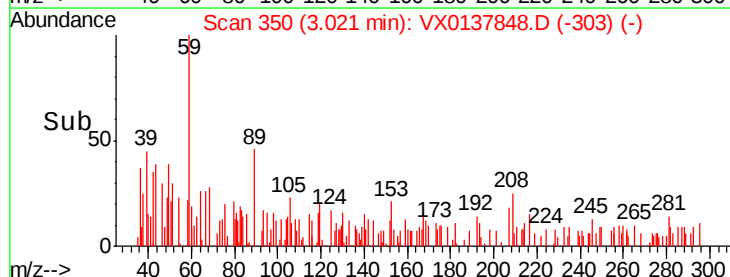
600

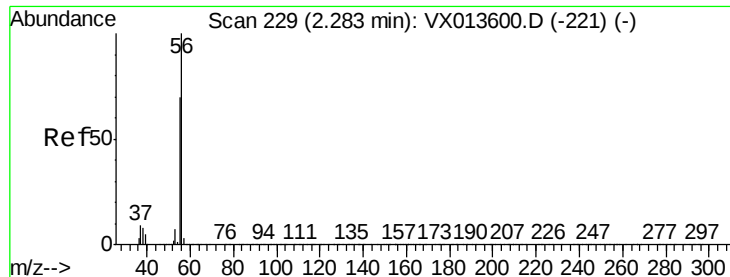
400

200

0

Time-->





#13

Acrolein

Concen: 7.007 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

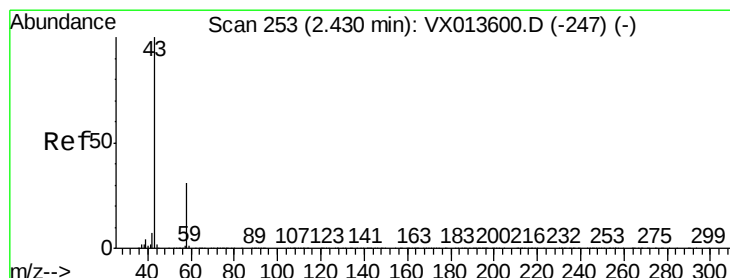
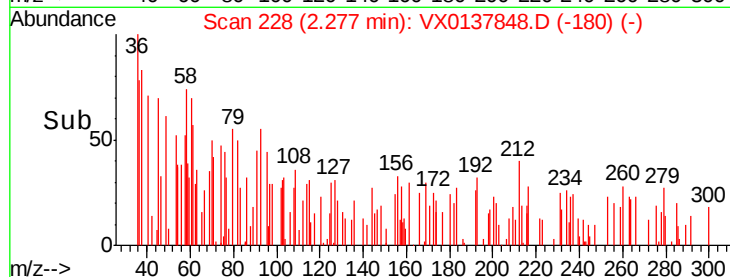
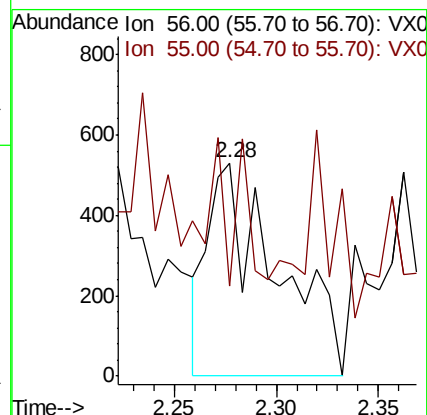
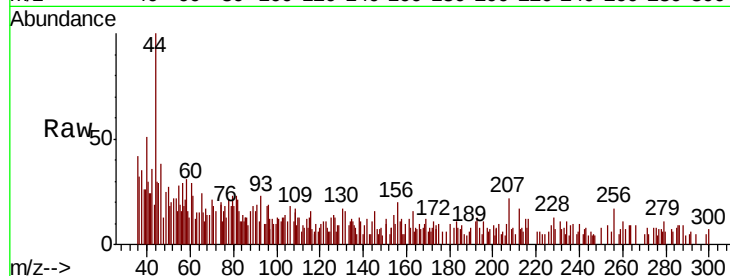
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 1237

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 3.469 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX0137848.D

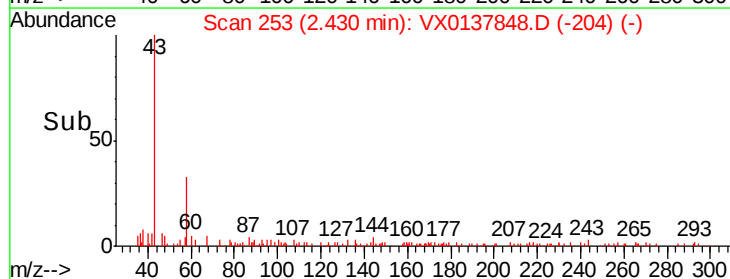
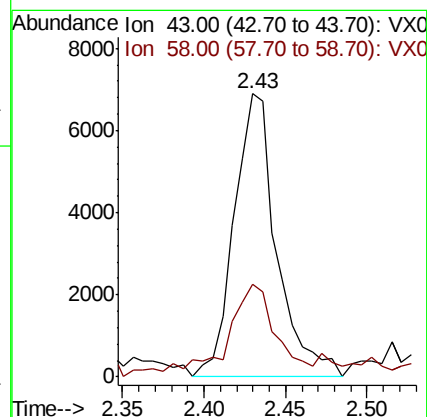
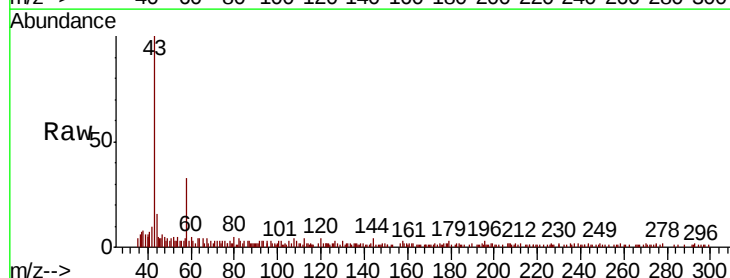
Acq: 09 Dec 2019 13:50

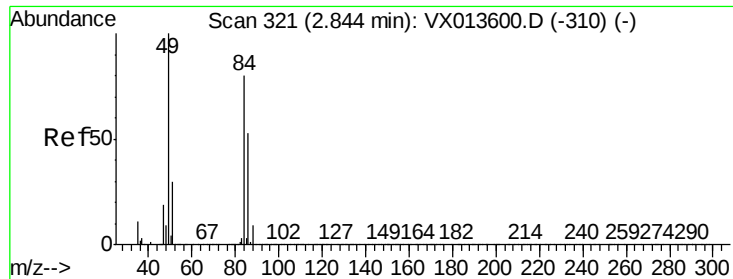
Tgt Ion: 43 Resp: 12486

Ion Ratio Lower Upper

43 100

58 28.6 24.6 36.8

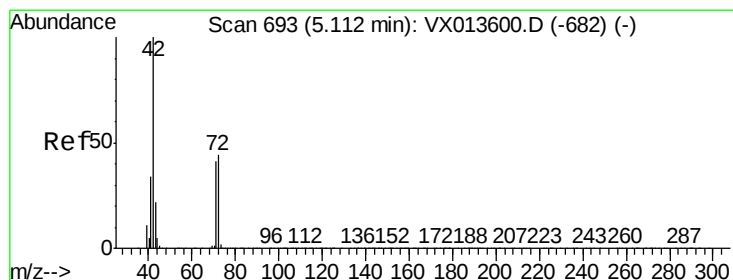
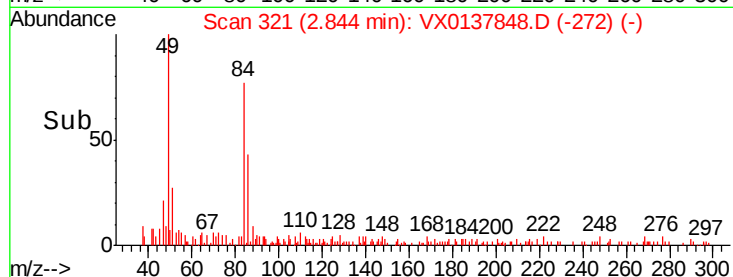
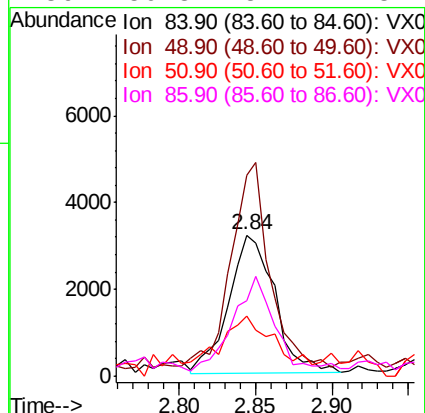
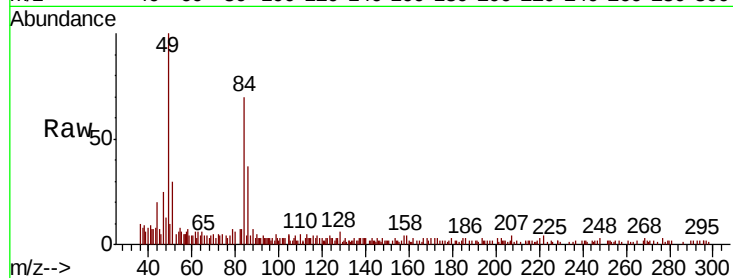




#20
Methvlene Chloride
Concen: 0.955 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX0137848.D
Acq: 09 Dec 2019 13:50

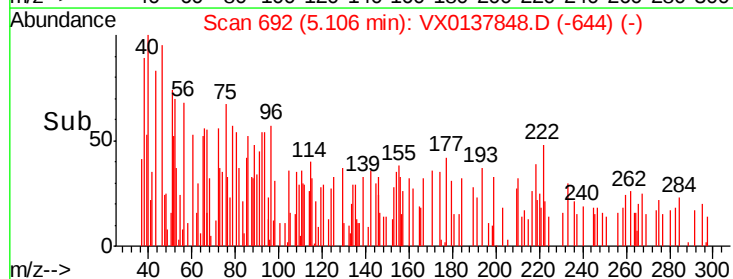
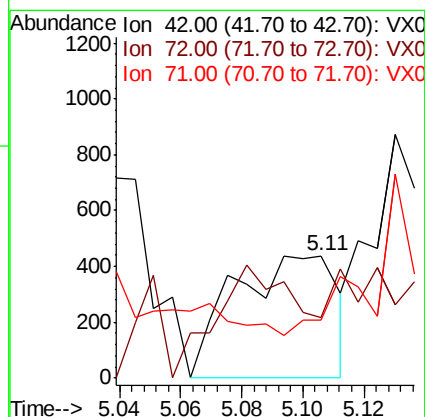
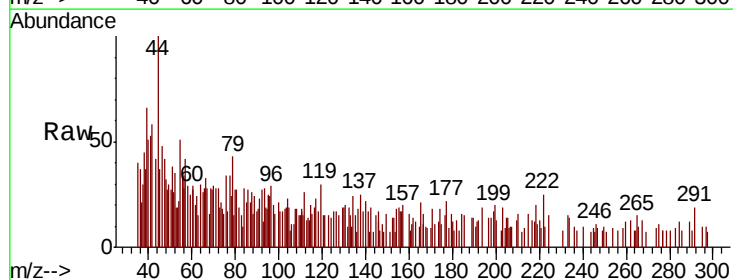
Instrument :
MSVOA_X
ClientSampleId :

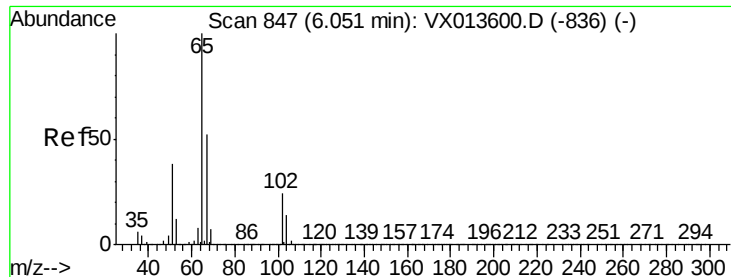
Tot Ion: 84 Resp: 6606
Ion Ratio Lower Upper
84 100
49 136.5 99.7 149.5
51 34.4 29.9 44.9
86 50.8 52.2 78.4#



#29
Tetrahydrofuran
Concen: 0.311 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX0137848.D
Acq: 09 Dec 2019 13:50

Tgt Ion: 42 Resp: 1024
Ion Ratio Lower Upper
42 100
72 0.0 36.3 54.5#
71 0.0 33.2 49.8#





#33

1,2-Dichloroethane-d4

Concen: 47.815 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

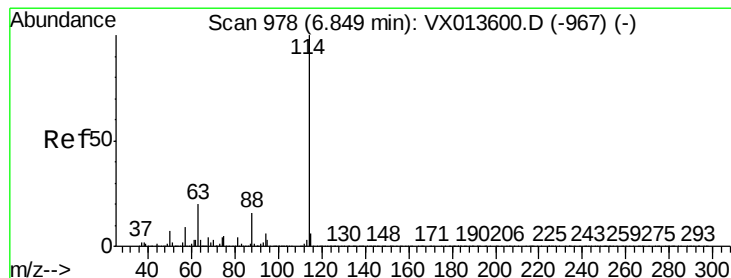
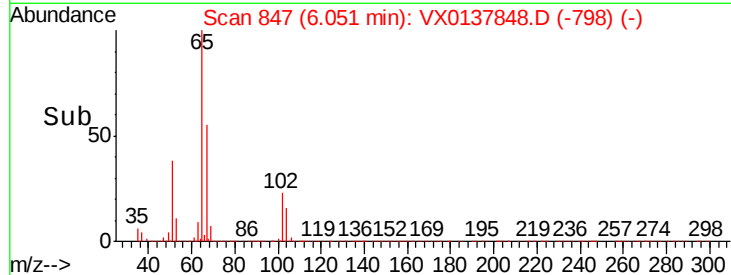
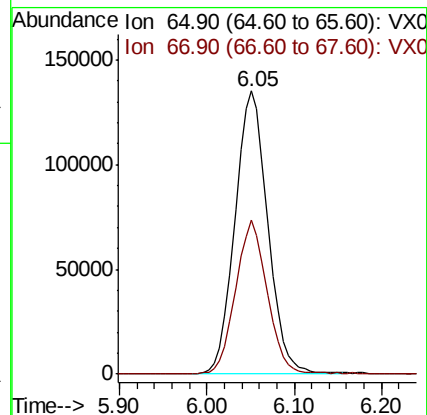
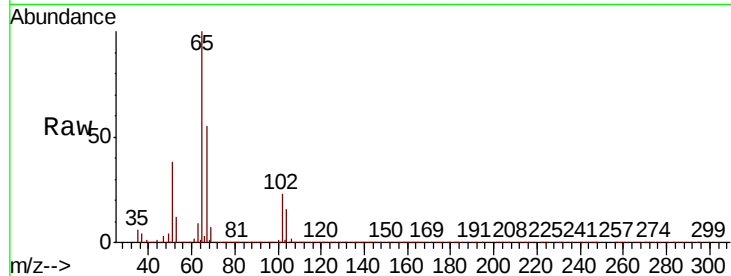
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 65 Resp: 348605

Ion Ratio Lower Upper

65 100

67 52.8 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: VX0137848.D

Acq: 09 Dec 2019 13:50

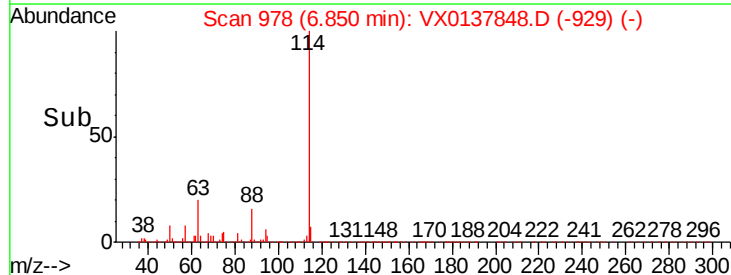
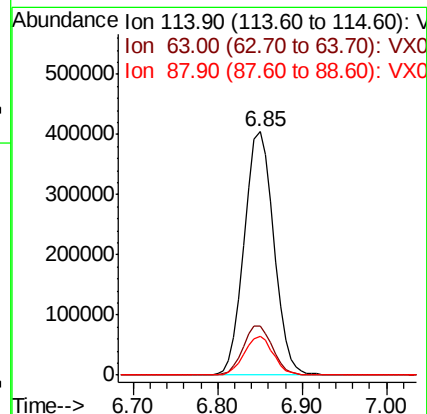
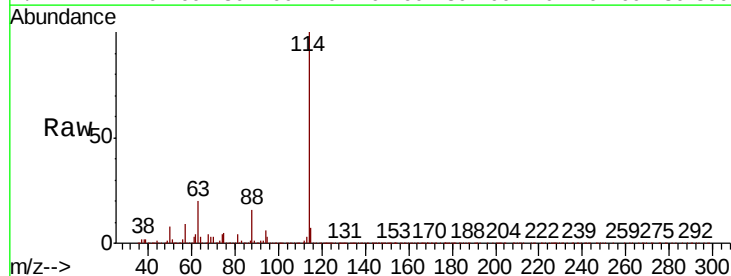
Tgt Ion: 114 Resp: 958156

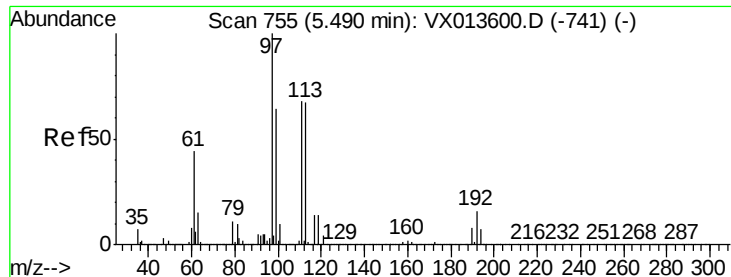
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.799 ug/l

RT: 5.48 min Scan# 754

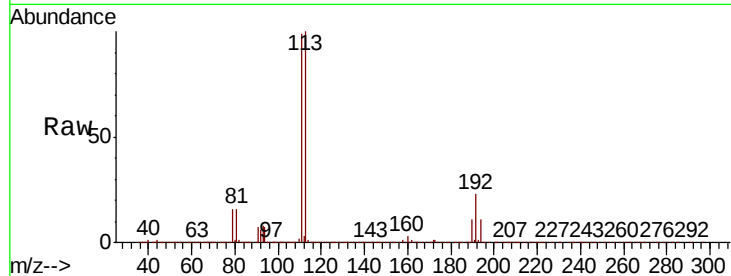
Delta R.T. -0.01 min

Lab File: VX0137848.D

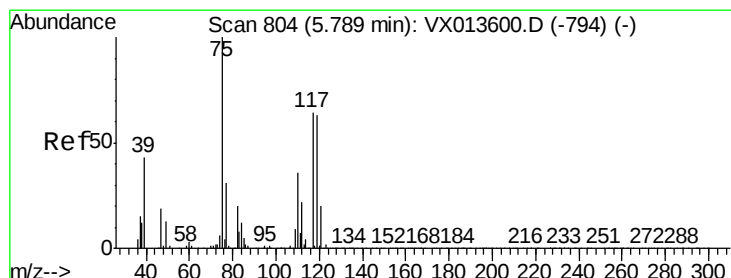
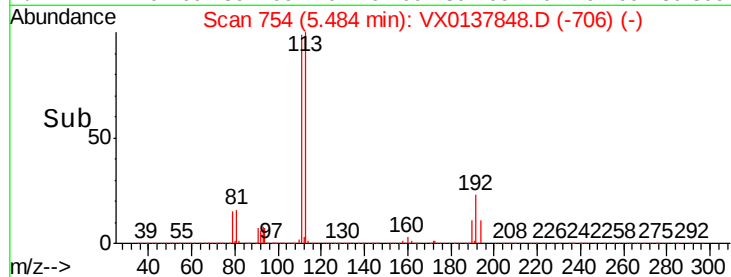
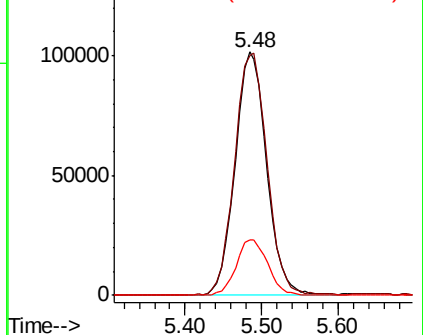
Acq: 09 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	289055
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.6	125.4
192	23.2	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: 4.921 ug/l

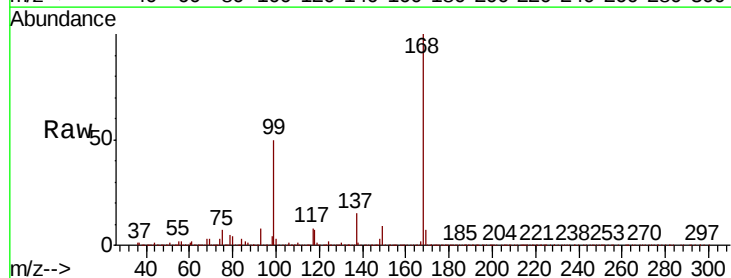
RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

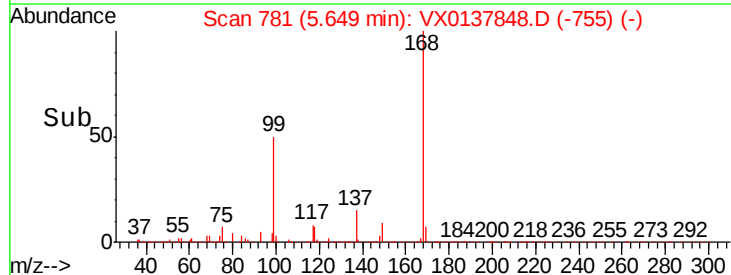
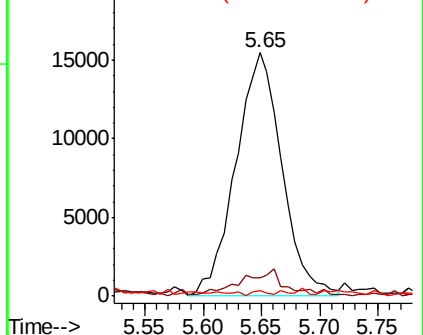
Lab File: VX0137848.D

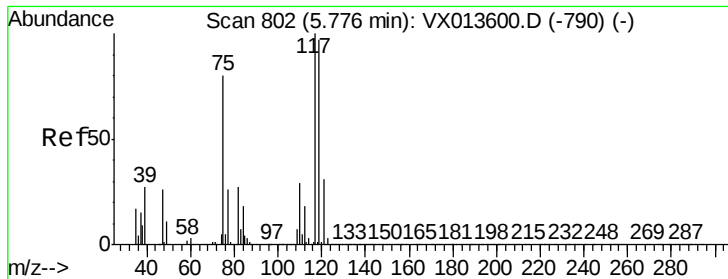
Acq: 09 Dec 2019 13:50

Tgt Ion:	75	Resp:	42799
Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.1	54.1#
77	0.7	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: 6.992 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampled :

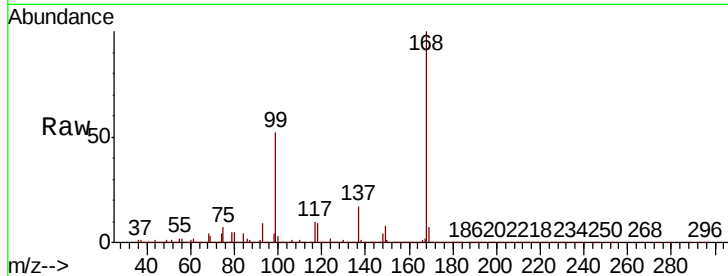
Tot Ion:117 Resp: 56075

Ion Ratio Lower Upper

117 100

119 3.5 77.5 116.3#

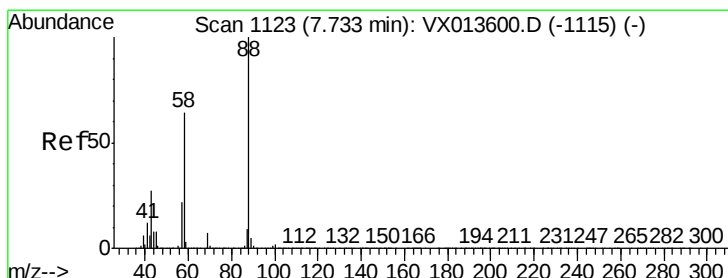
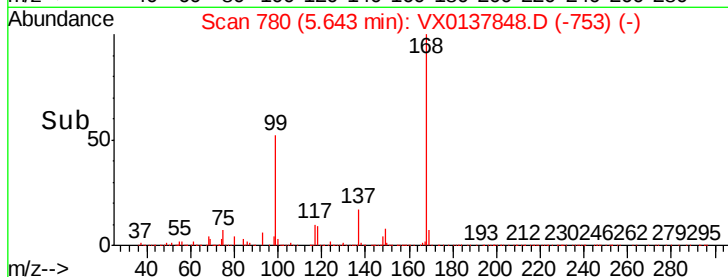
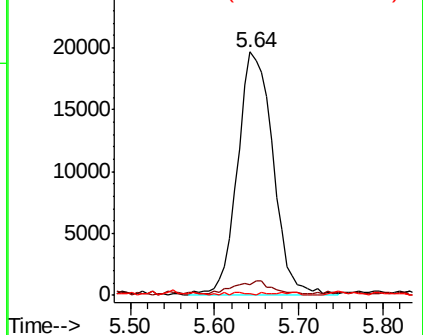
121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 0.578 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

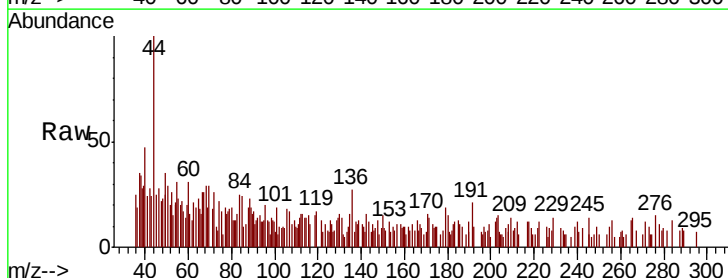
Tgt Ion: 88 Resp: 101

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

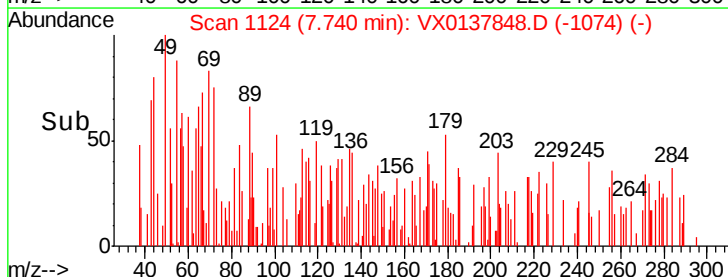
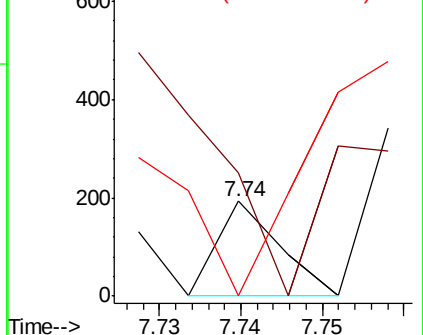
58 179.2 54.6 82.0#

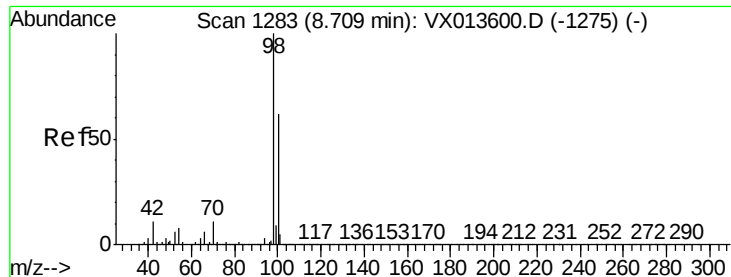


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.388 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

Instrument :

MSVOA_X

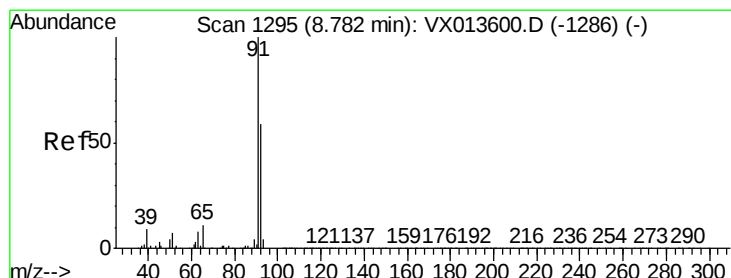
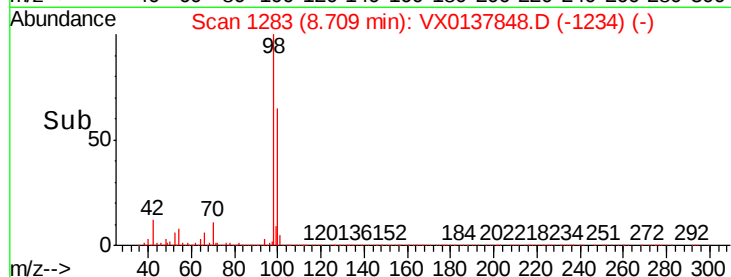
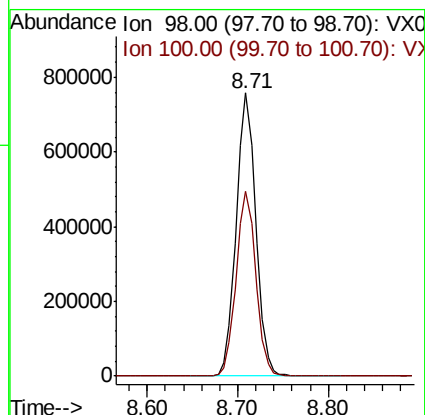
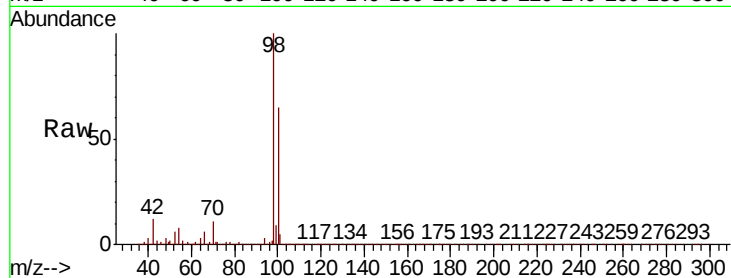
ClientSampleId :

Tot Ion: 98 Resp: 1139799

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#52

Toluene

Concen: 0.210 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX0137848.D

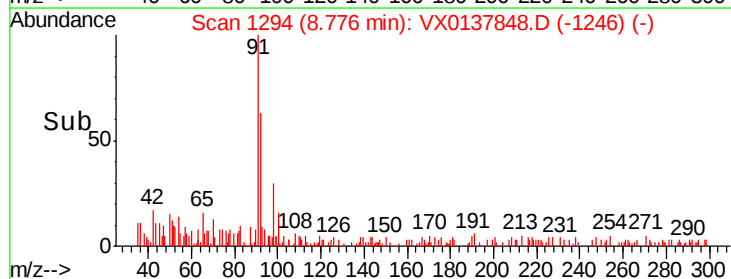
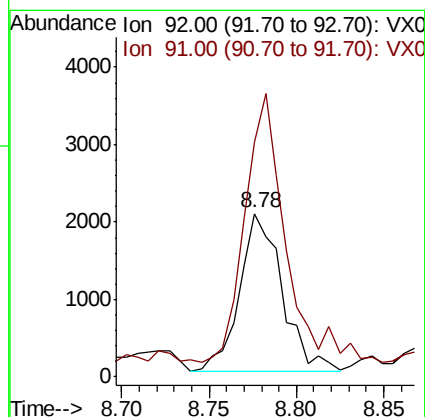
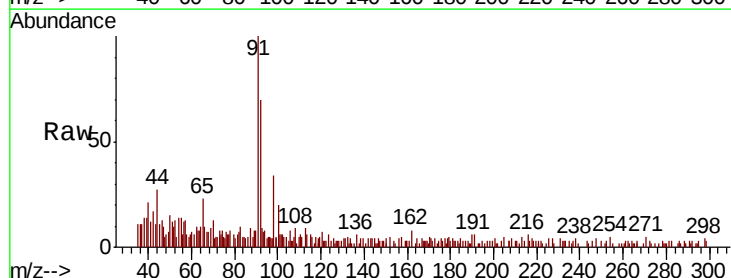
Acq: 09 Dec 2019 13:50

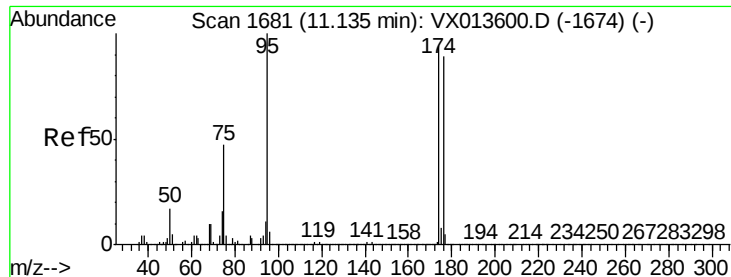
Tgt Ion: 92 Resp: 3452

Ion Ratio Lower Upper

92 100

91 185.8 136.2 204.2





#62

4-Bromofluorobenzene

Concen: 45.277 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

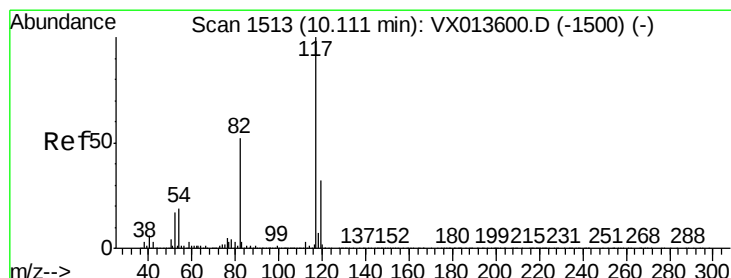
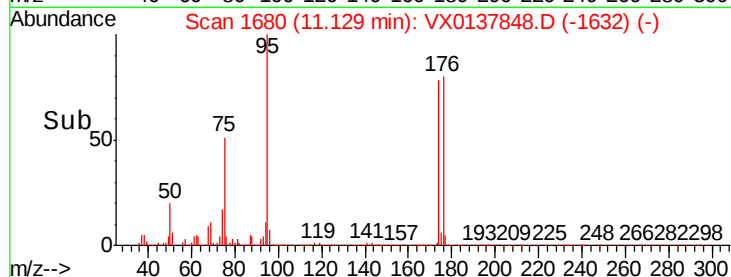
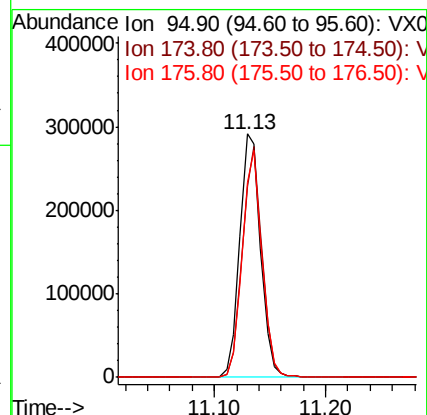
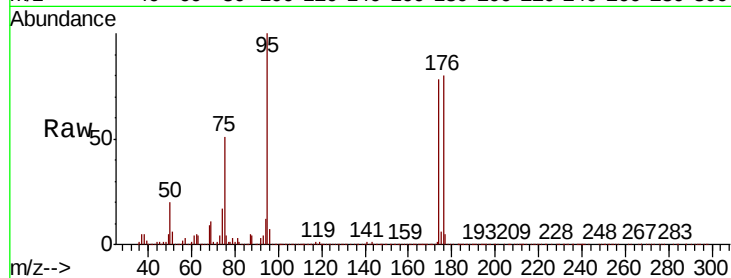
Tot Ion: 95 Resp: 376803

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.0

176 88.3 0.0 173.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

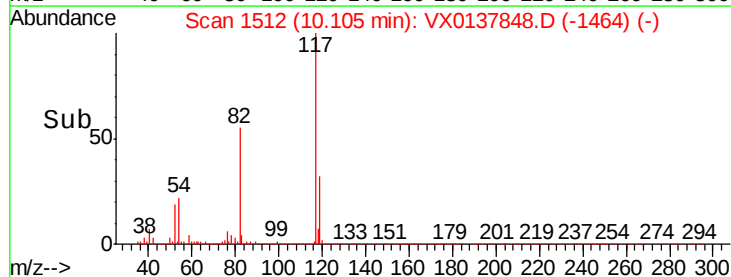
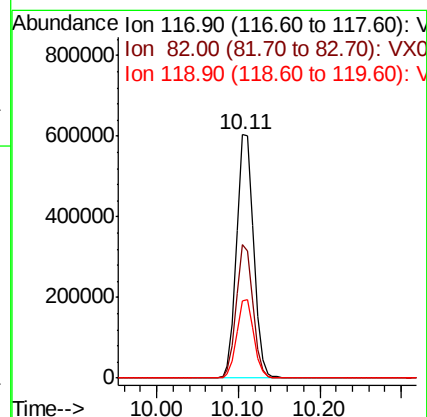
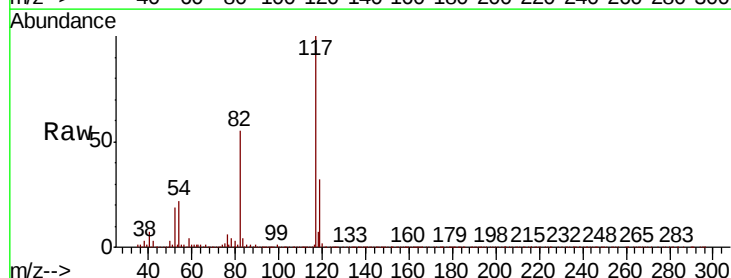
Tgt Ion: 117 Resp: 858026

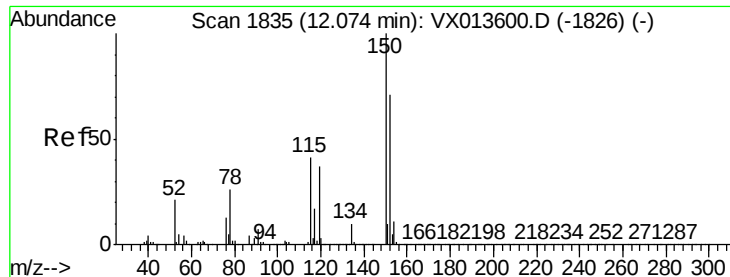
Ion Ratio Lower Upper

117 100

82 54.8 41.8 62.8

119 31.9 25.8 38.8



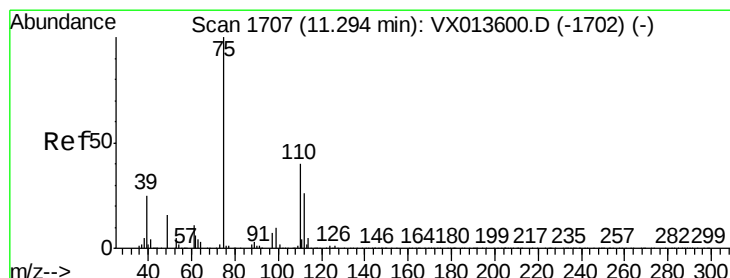
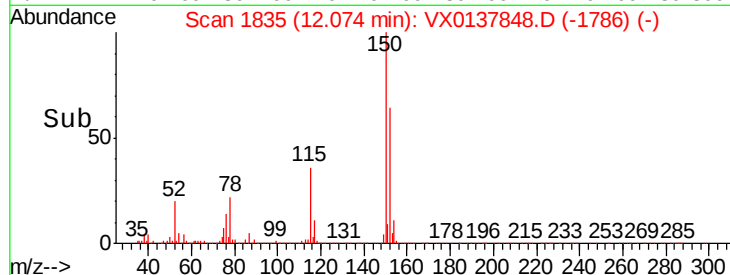
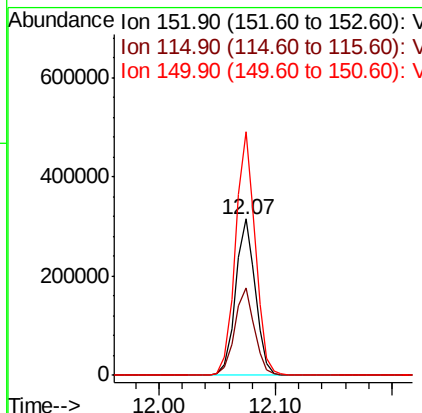
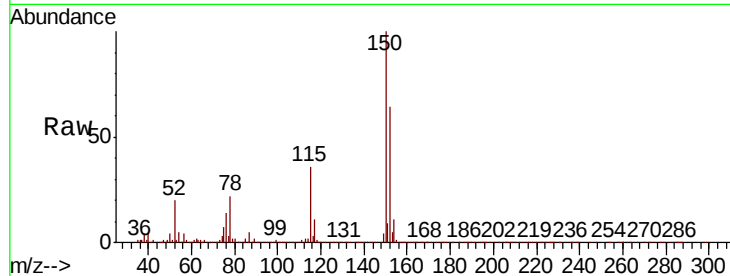


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX0137848.D
Acq: 09 Dec 2019 13:50

Instrument :
MSVOA_X
ClientSampleId :

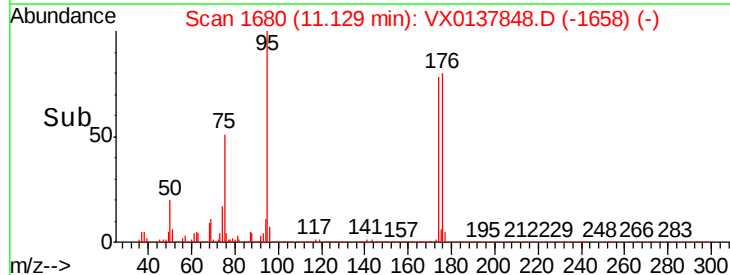
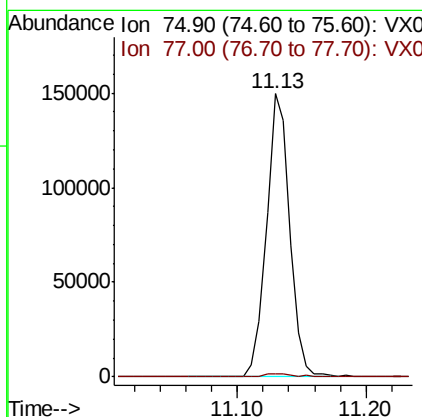
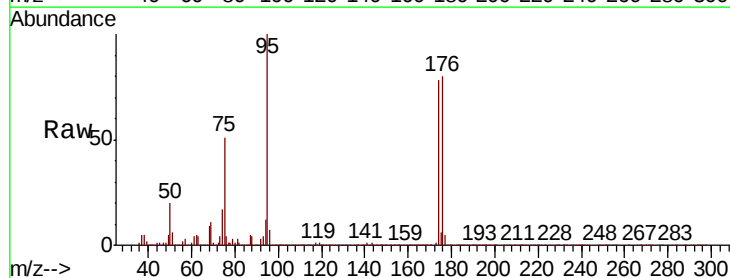
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.4	115.1
150	155.3	0.0	346.8

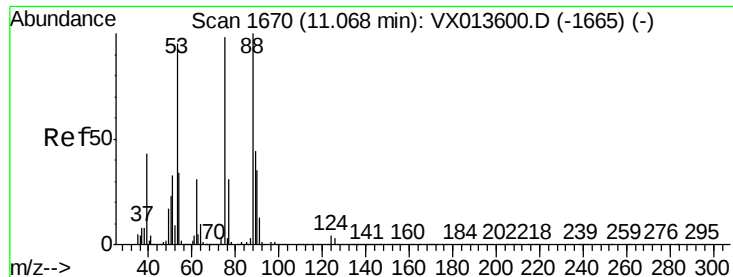


#76

1,2,3-Trichloropropane
Concen: 22.225 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX0137848.D
Acq: 09 Dec 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	19.1	57.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 60.803 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

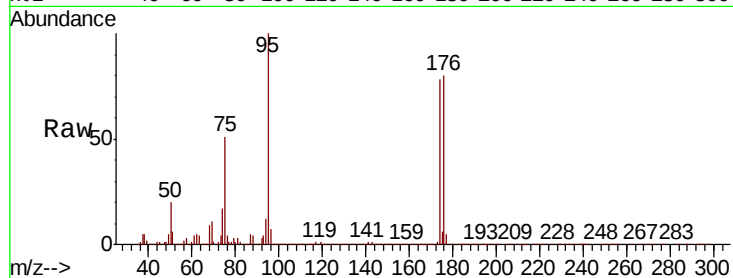
Tot Ion: 75 Resp: 186324

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

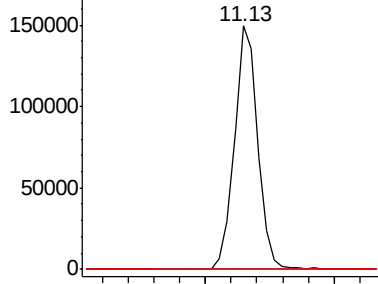
89 0.2 35.4 53.2#



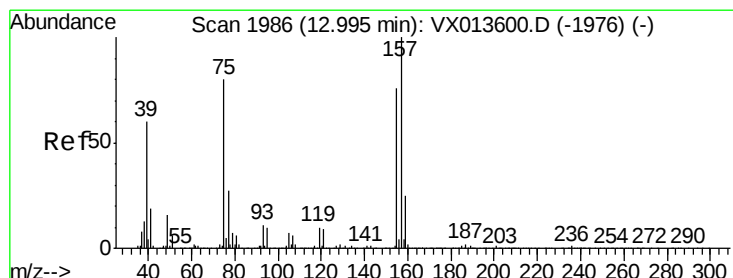
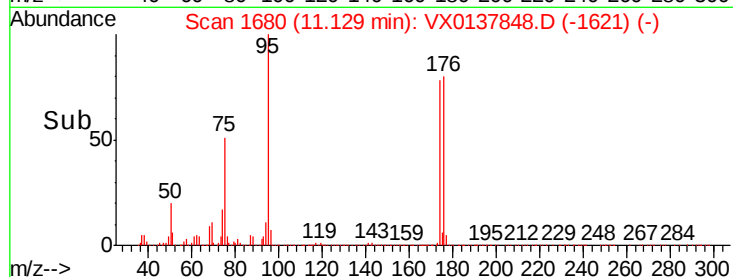
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.264 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX0137848.D

Acq: 09 Dec 2019 13:50

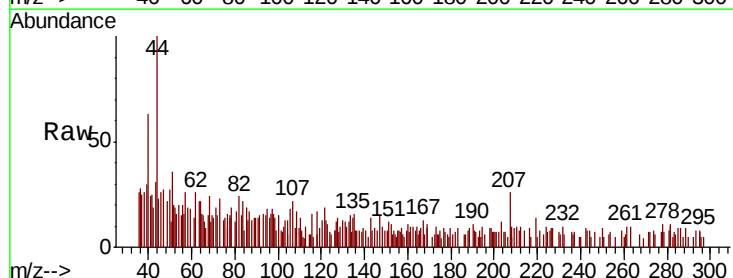
Tgt Ion: 75 Resp: 522

Ion Ratio Lower Upper

75 100

155 48.1 47.6 142.8

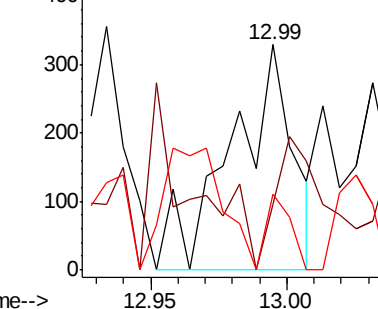
157 13.2 62.1 186.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

