

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009837.D
 Acq On : 23 May 2019 05:11
 Operator : JC/SP
 Sample : K2976-18 50X
 Misc : 6.44g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 07:26:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	184357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298550	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	126635	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	5.50	113	90422	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	382194	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.13	95	151266	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	

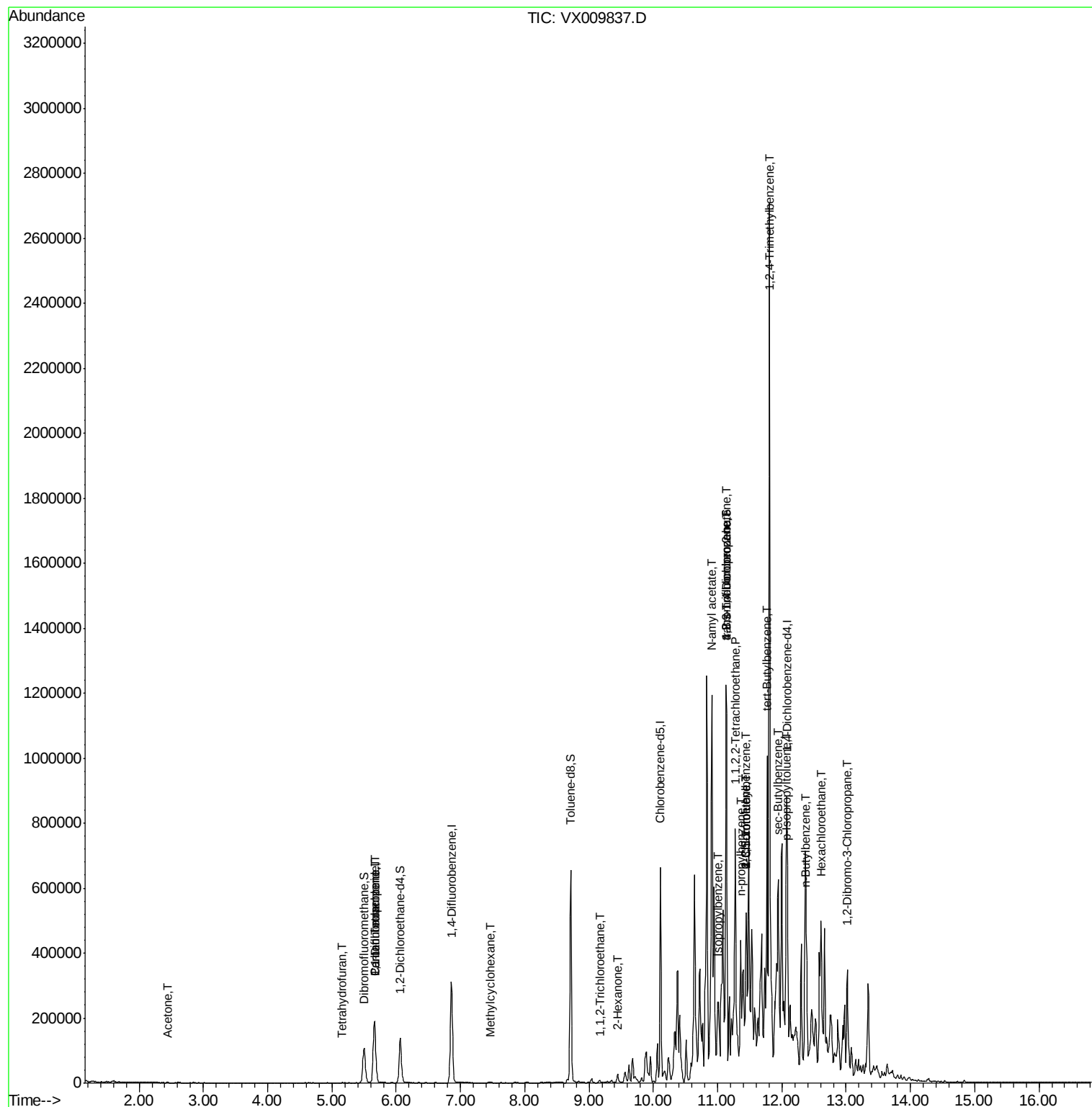
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	558	0.413	ug/l #	44
28) Bromochloromethane	4.99	49	41	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	293	0.217	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	14720	5.306	ug/l #	51
38) Carbon Tetrachloride	5.66	117	17110	6.788	ug/l #	16
39) Methylcyclohexane	7.46	83	934	0.274	ug/l #	79
55) 1,1,2-Trichloroethane	9.16	97	2051	0.963	ug/l #	19
59) 2-Hexanone	9.44	43	9684	3.051	ug/l #	32
73) Isopropylbenzene	11.02	105	60334	5.817	ug/l	98
74) N-amyl acetate	10.91	43	99657	16.480	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	41692	10.783	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	75085	22.694	ug/l #	36
78) n-propylbenzene	11.36	91	208524	17.604	ug/l	99
79) 2-Chlorotoluene	11.45	91	11950	1.635	ug/l #	57
80) 1,3,5-Trimethylbenzene	11.45	105	77763	8.904	ug/l	71
81) trans-1,4-Dichloro-2-buten	11.13	75	75085	58.066	ug/l #	18
82) 4-Chlorotoluene	11.45	91	11950	1.447	ug/l #	61
83) tert-Butylbenzene	11.77	119	17315	2.038	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	1007099	114.885	ug/l	99
85) sec-Butylbenzene	11.94	105	129415	12.848	ug/l	96
86) p-Isopropyltoluene	12.06	119	73649	8.133	ug/l	99
89) n-Butylbenzene	12.38	91	118948	14.534	ug/l #	80
90) Hexachloroethane	12.61	117	11370	7.370	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1149	1.325	ug/l #	2

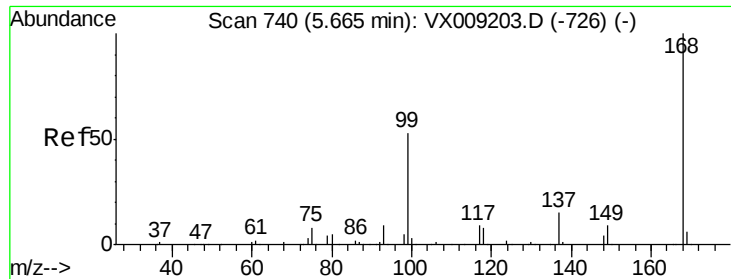
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052219\
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Instrument :
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ClientSampleId :

Quant Time: May 23 07:26:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

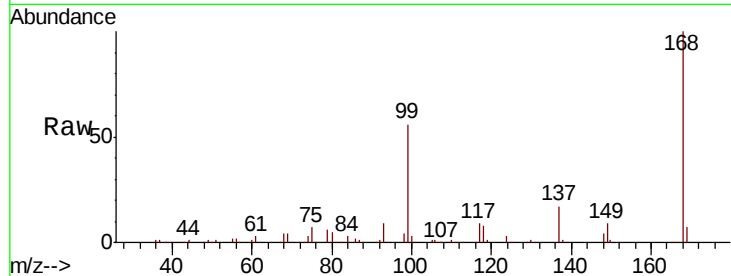
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 184357

Ion Ratio Lower Upper

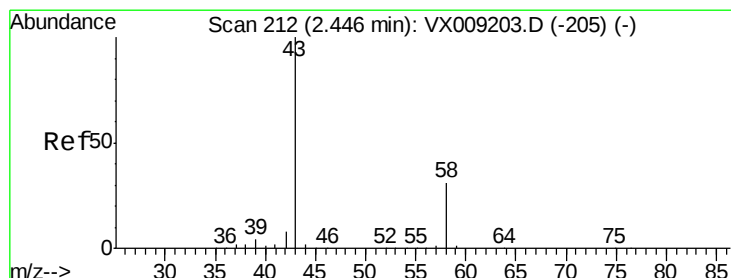
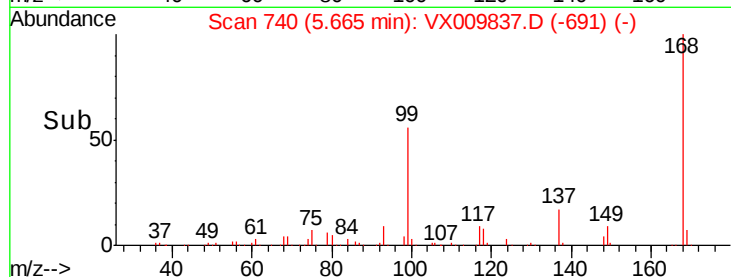
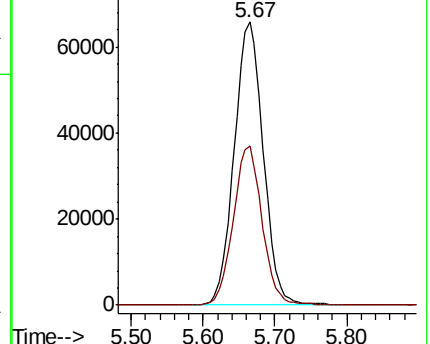
168 100

99 56.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 0.413 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009837.D

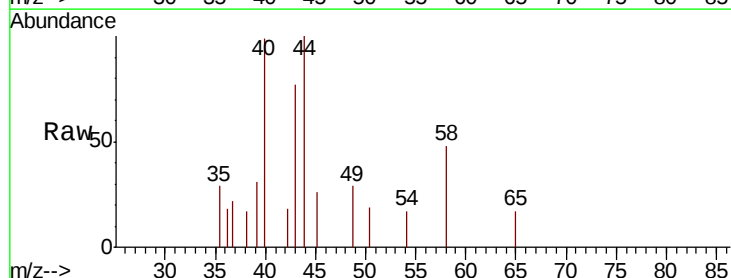
Acq: 23 May 2019 05:11

Tgt Ion: 43 Resp: 558

Ion Ratio Lower Upper

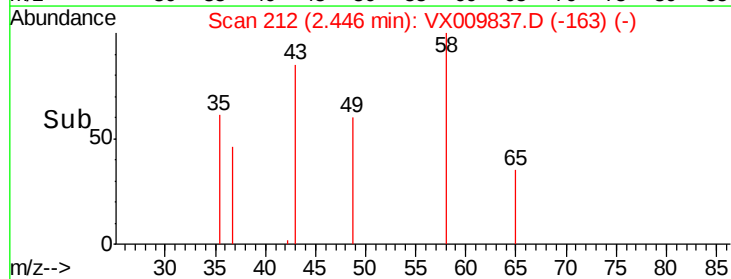
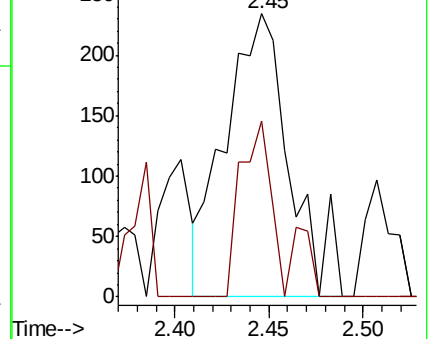
43 100

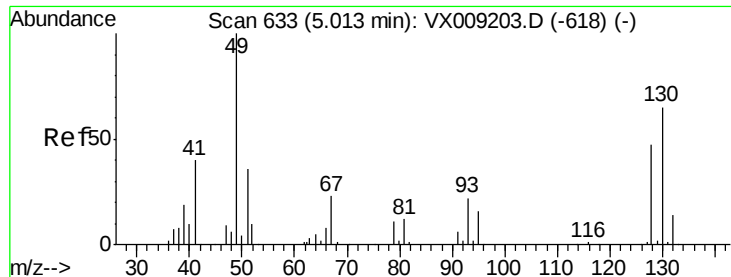
58 62.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 630

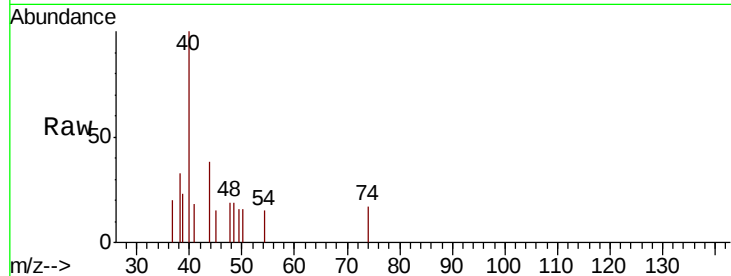
Delta R.T. -0.02 min

Lab File: VX009837.D

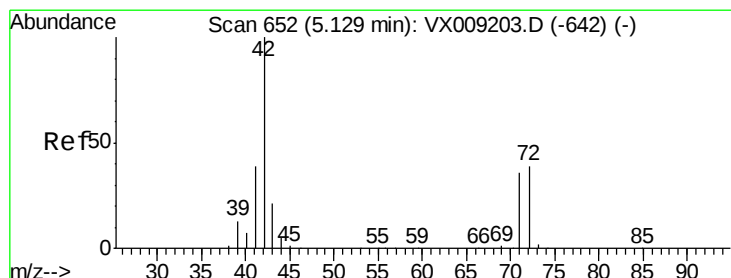
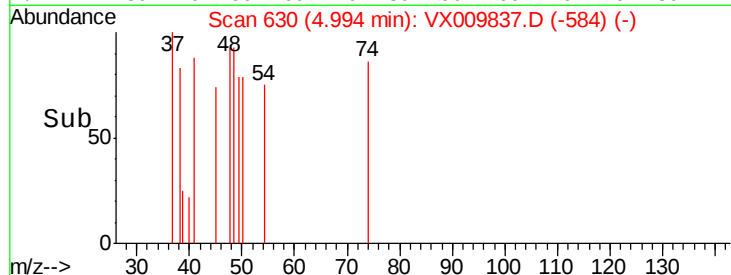
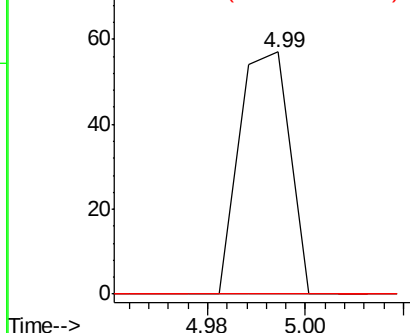
Acq: 23 May 2019 05:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 41
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.217 ug/l

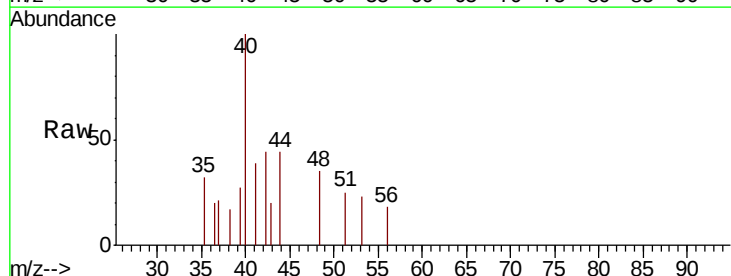
RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

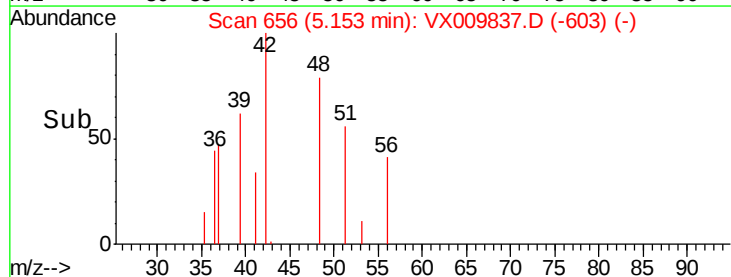
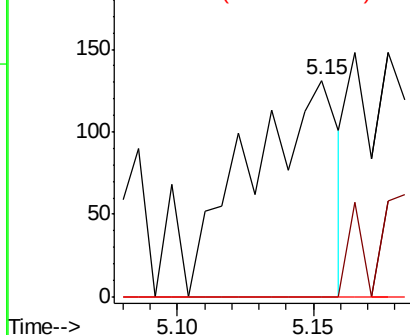
Lab File: VX009837.D

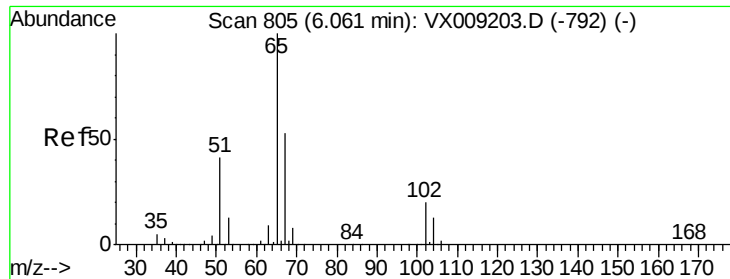
Acq: 23 May 2019 05:11

Tgt Ion: 42 Resp: 293
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.318 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

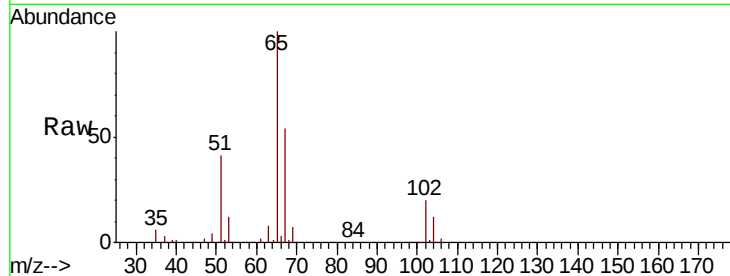
ClientSampleId :

Tot Ion: 65 Resp: 126635

Ion Ratio Lower Upper

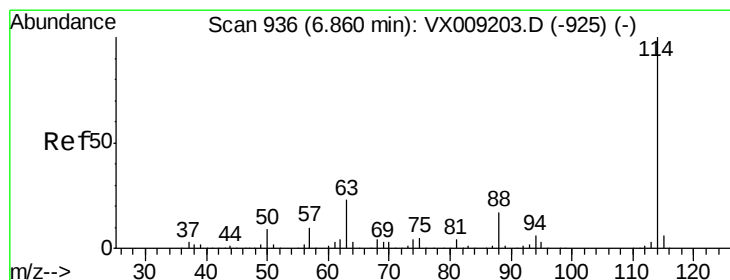
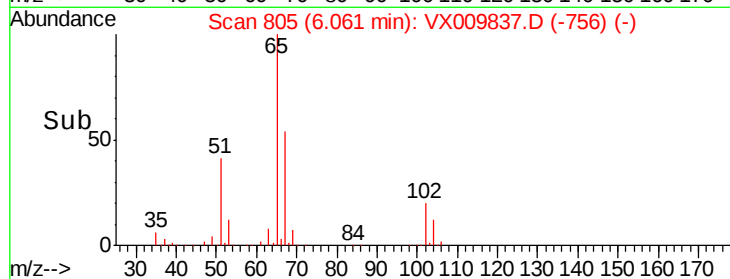
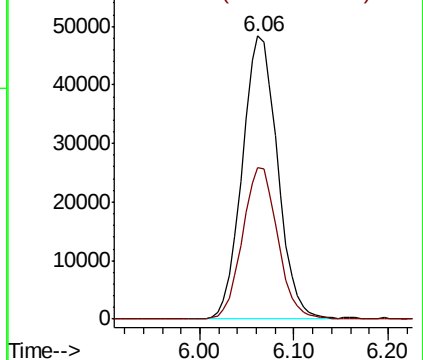
65 100

67 53.4 0.0 106.6



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

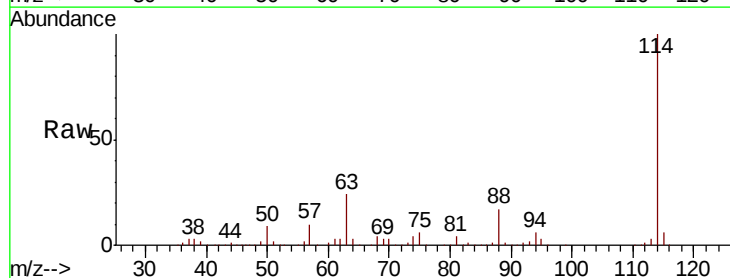
Tgt Ion: 114 Resp: 298550

Ion Ratio Lower Upper

114 100

63 24.0 0.0 45.6

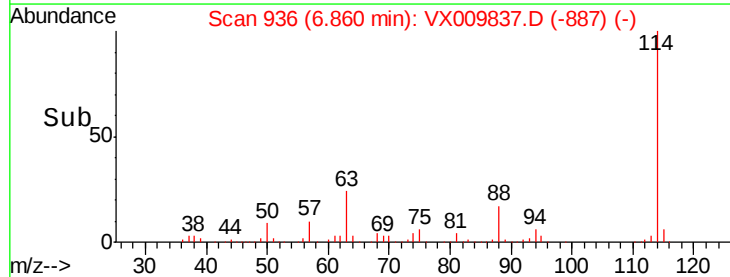
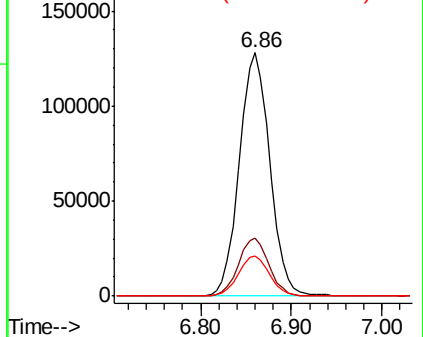
88 16.7 0.0 33.2

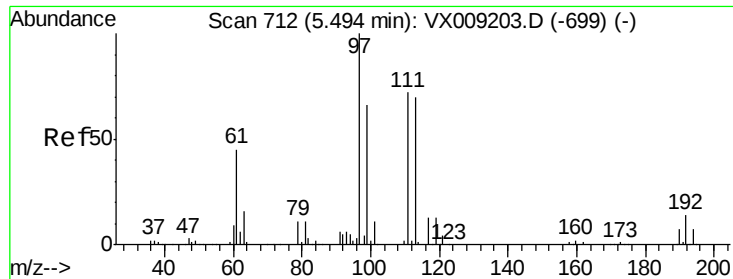


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

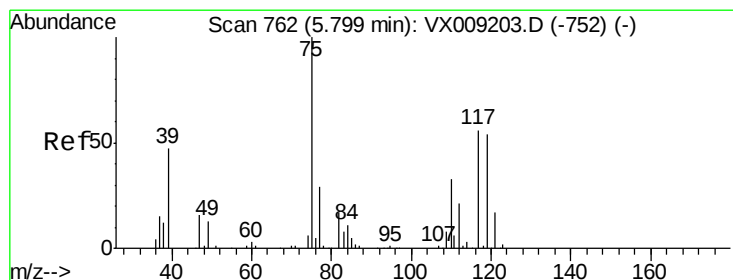
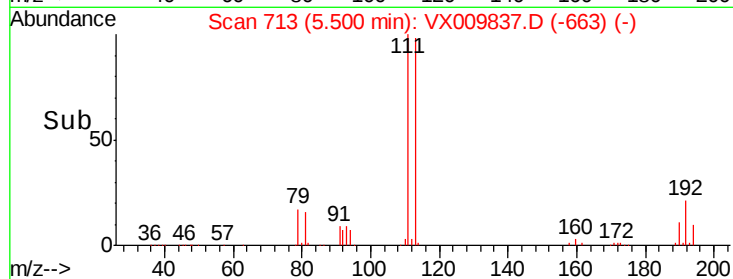
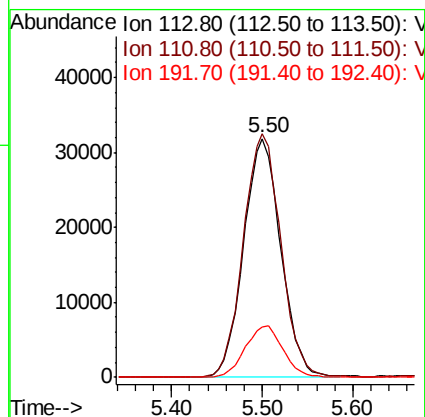
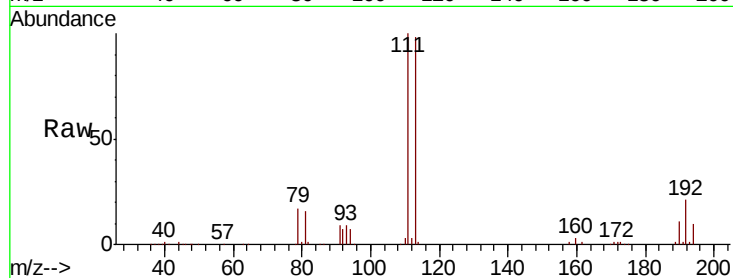




#35
Dibromofluoromethane
Concen: 48.179 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

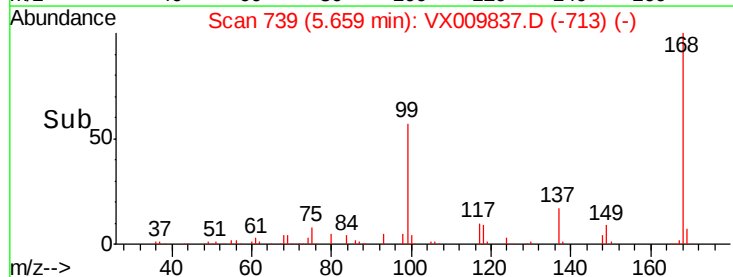
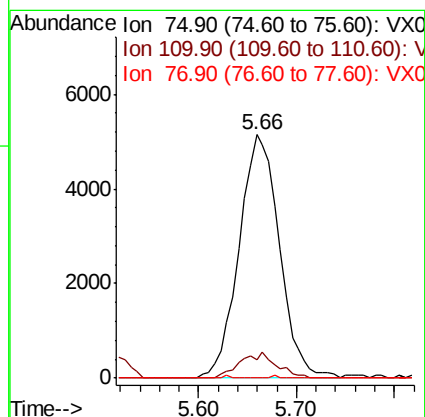
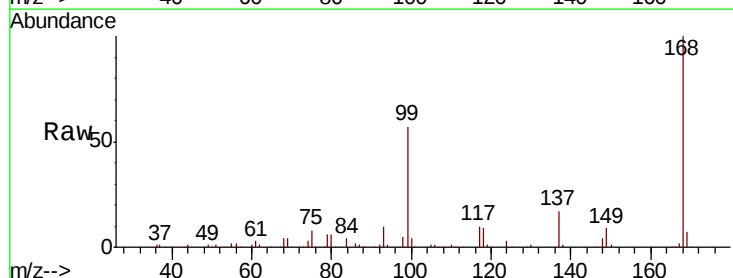
Instrument :
MSVOA_X
ClientSampleId :

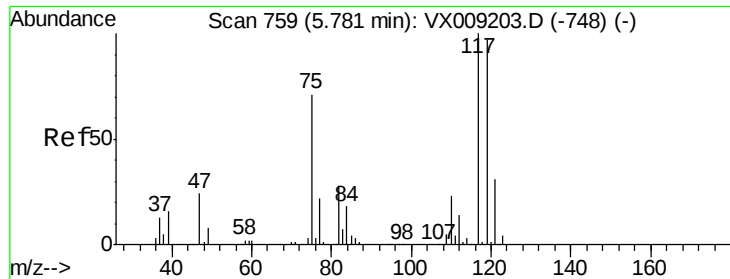
Tot Ion:113 Resp: 90422
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 21.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.306 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion: 75 Resp: 14720
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.6#
77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.788 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

ClientSampled :

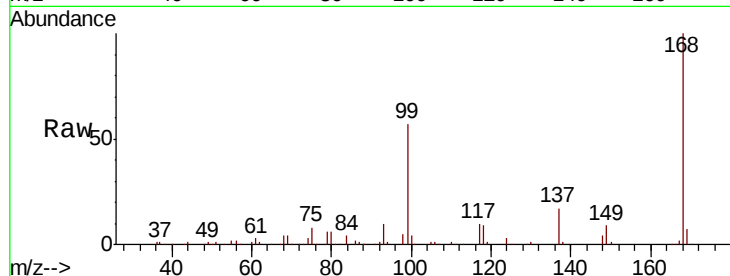
Tot Ion:117 Resp: 17110

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

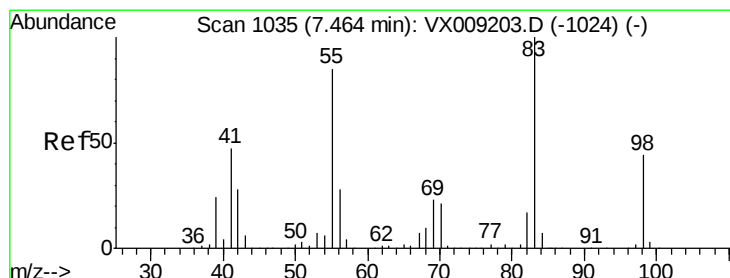
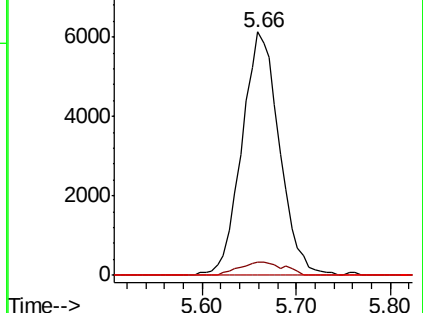
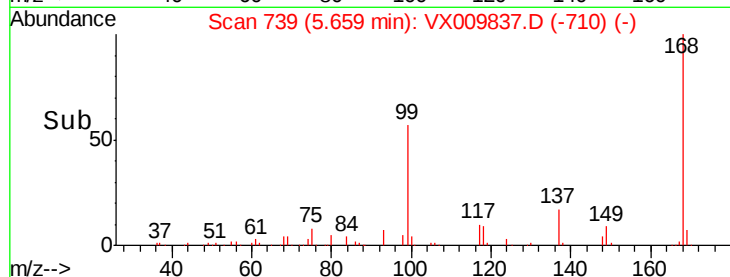
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.274 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

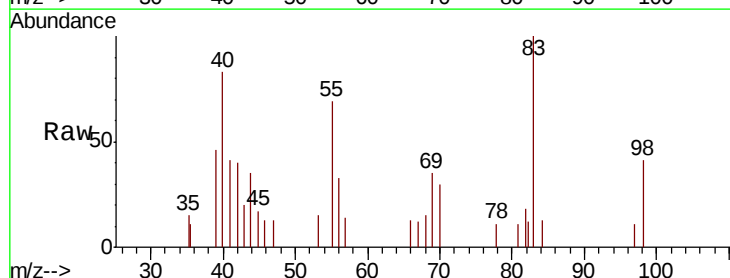
Tgt Ion: 83 Resp: 934

Ion Ratio Lower Upper

83 100

55 57.7 67.7 101.5#

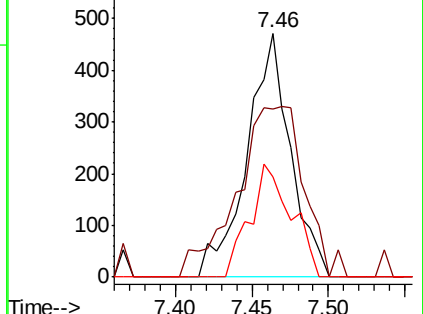
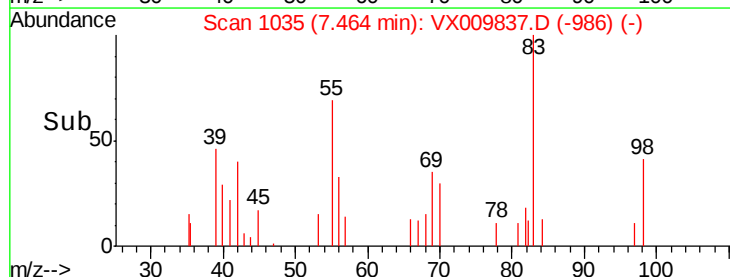
98 41.2 35.5 53.3

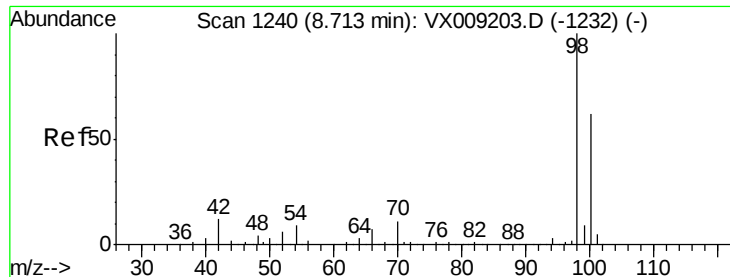


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.440 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

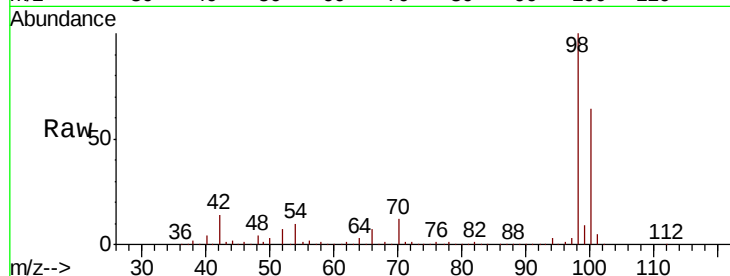
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 382194

Ion Ratio Lower Upper

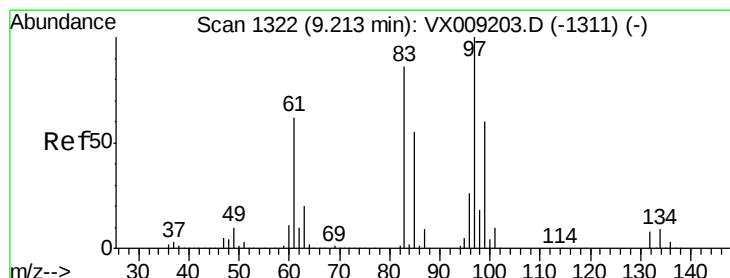
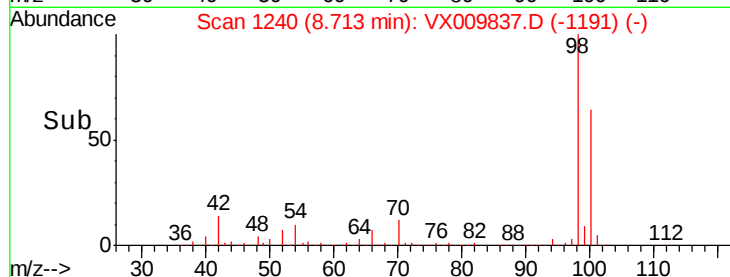
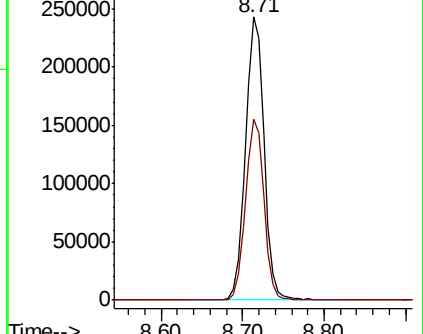
98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.963 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Tgt Ion: 97 Resp: 2051

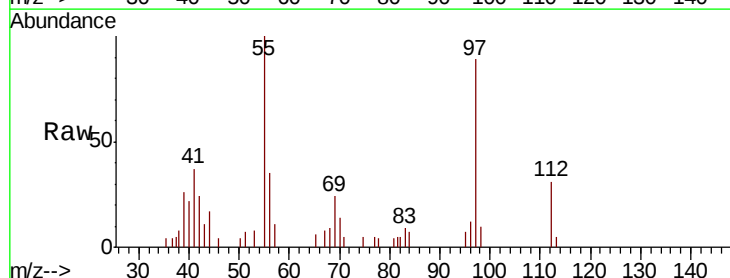
Ion Ratio Lower Upper

97 100

83 6.7 68.9 103.3#

85 0.0 43.8 65.6#

99 0.0 48.2 72.2#

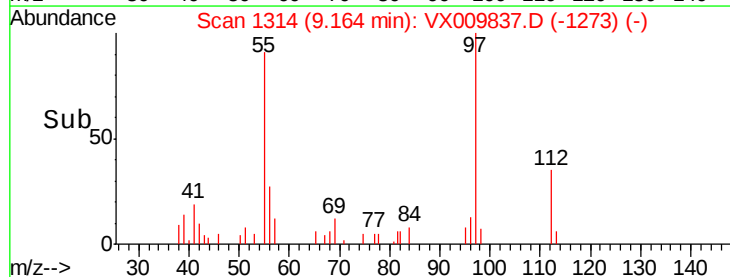
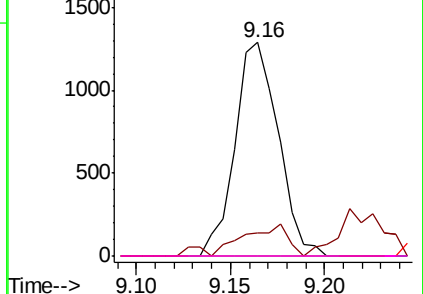


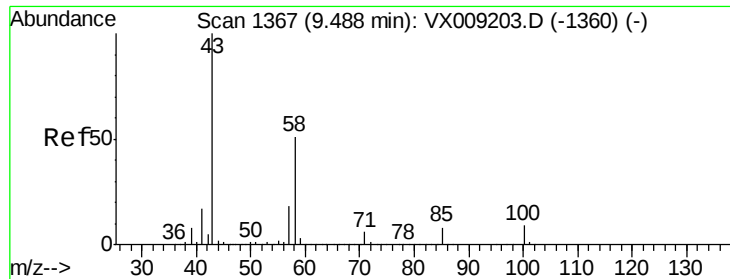
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

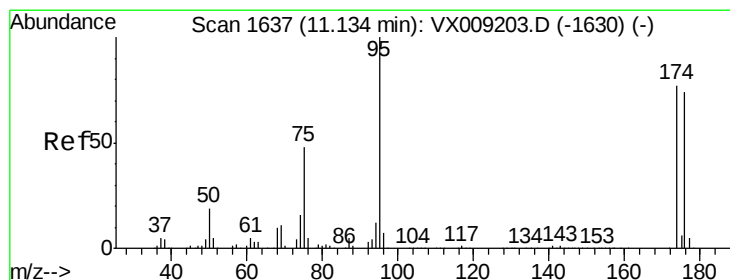
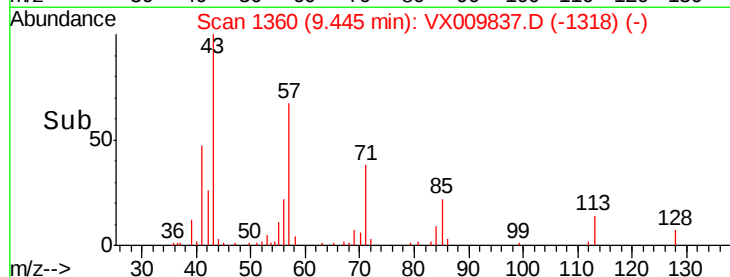
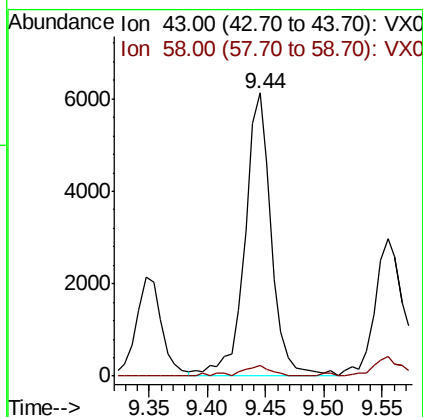
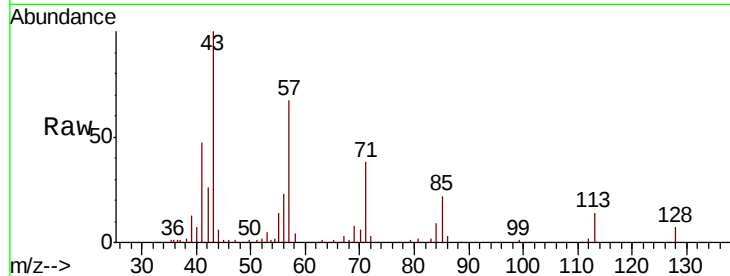




#59
2-Hexanone
Concen: 3.051 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

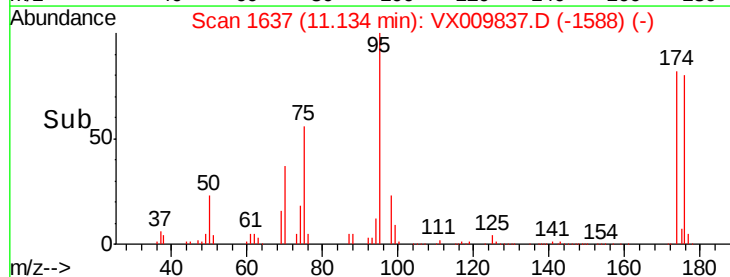
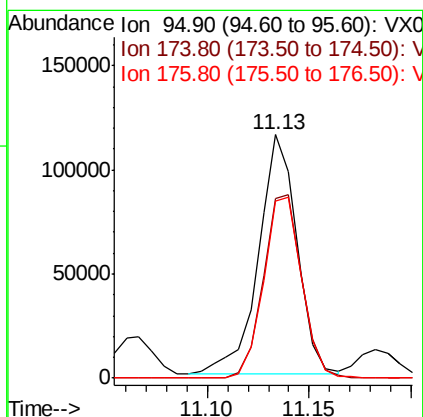
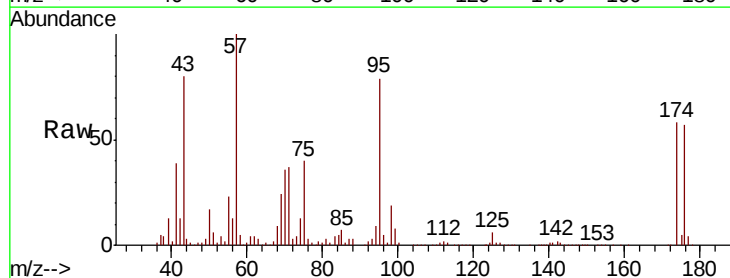
Instrument :
MSVOA_X
ClientSampleId :

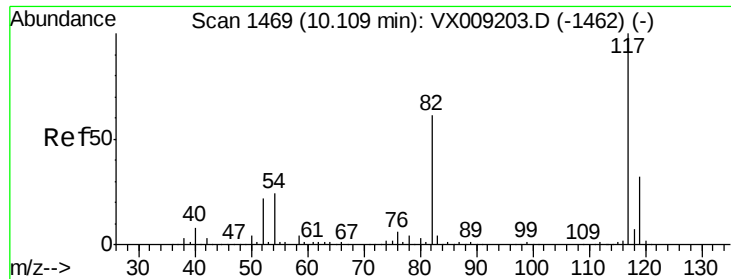
Tot Ion: 43 Resp: 9684
Ion Ratio Lower Upper
43 100
58 4.5 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 54.941 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion: 95 Resp: 151266
Ion Ratio Lower Upper
95 100
174 76.7 0.0 161.6
176 75.0 0.0 159.2

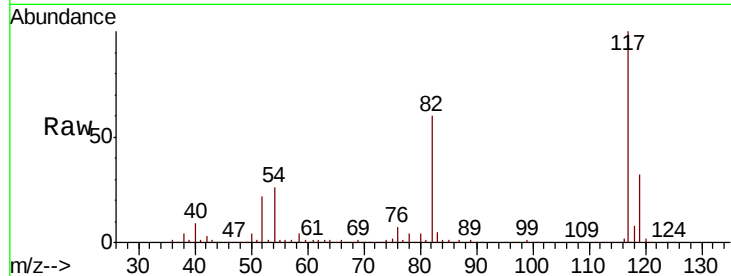




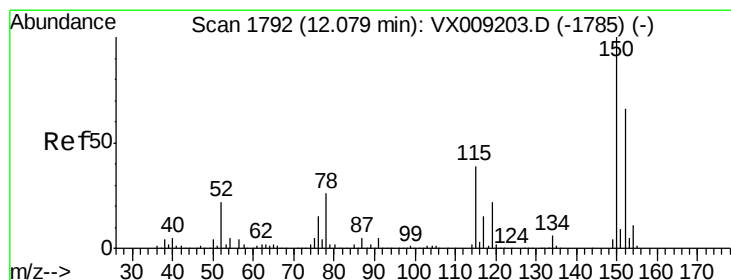
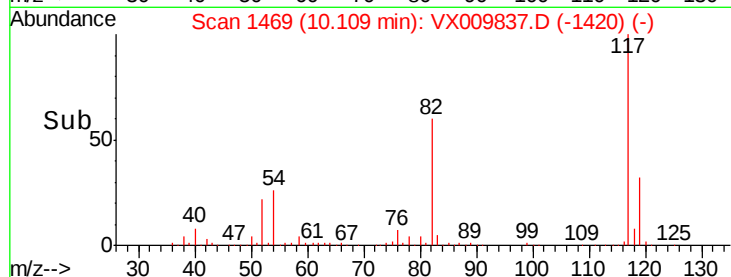
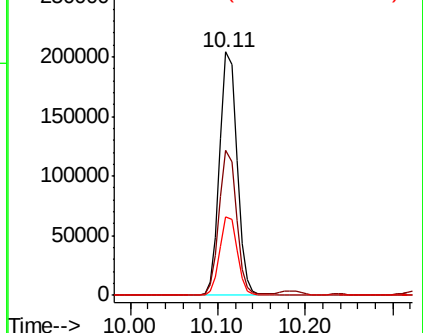
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 281527
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 32.2 25.8 38.6

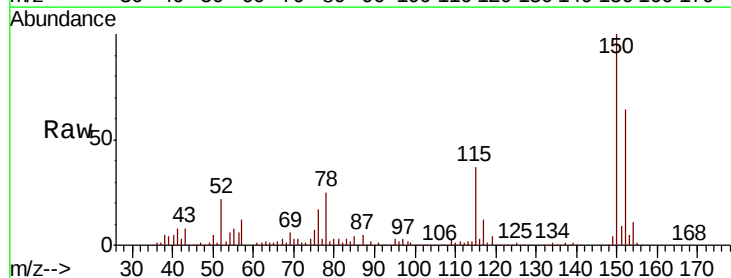


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

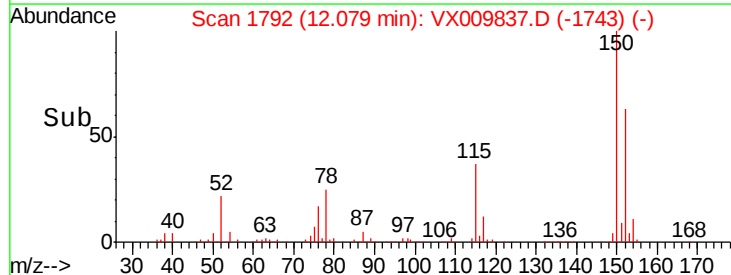
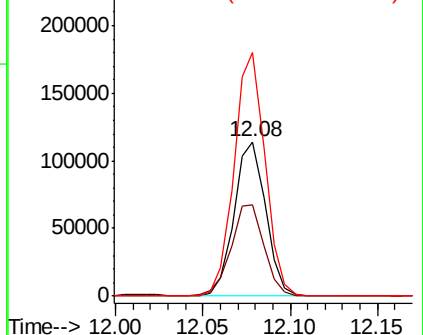


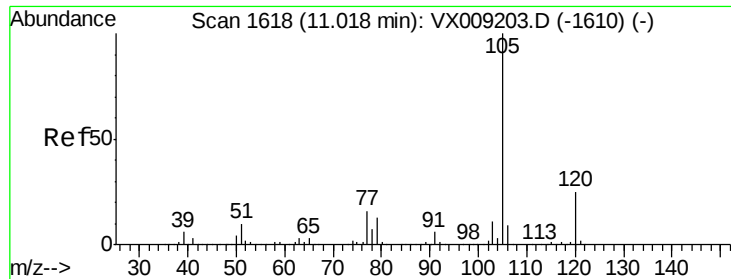
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion:152 Resp: 142634
Ion Ratio Lower Upper
152 100
115 62.1 41.2 123.6
150 154.9 0.0 346.4



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





#73

Isopropylbenzene

Concen: 5.817 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

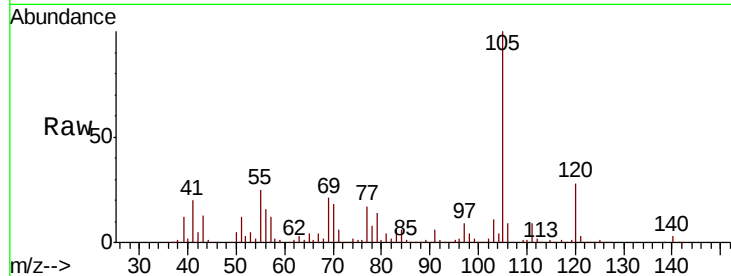
ClientSampled :

Tot Ion:105 Resp: 60334

Ion Ratio Lower Upper

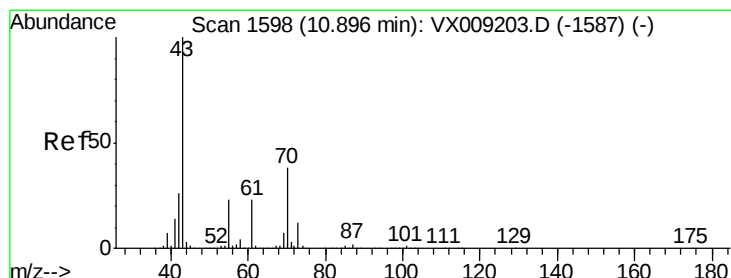
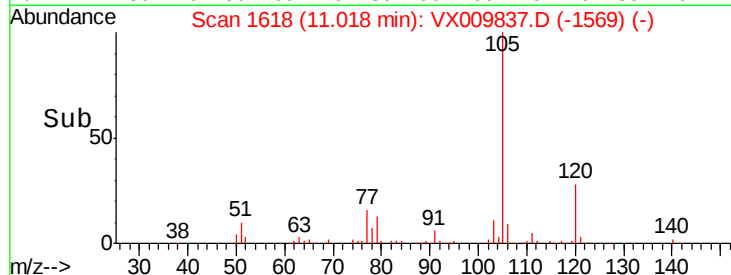
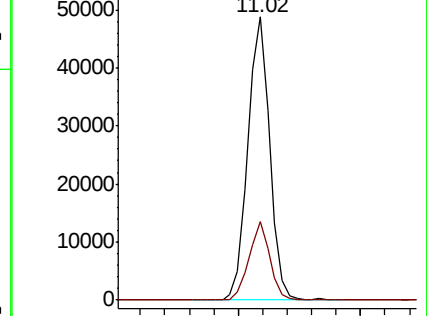
105 100

120 26.4 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.480 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Tgt Ion: 43 Resp: 99657

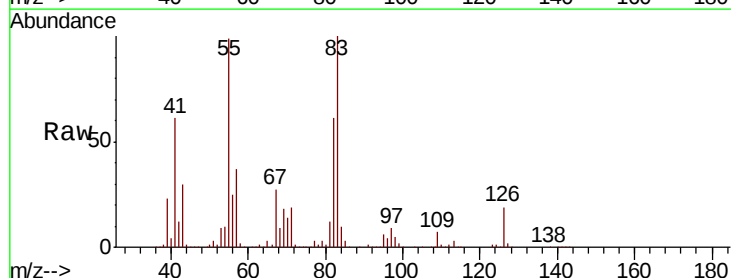
Ion Ratio Lower Upper

43 100

70 64.3 30.0 45.0#

55 287.8 17.9 26.9#

61 0.0 18.4 27.6#

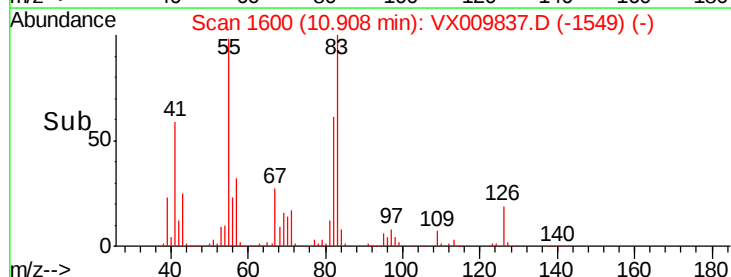
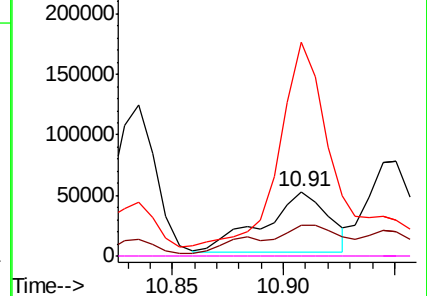


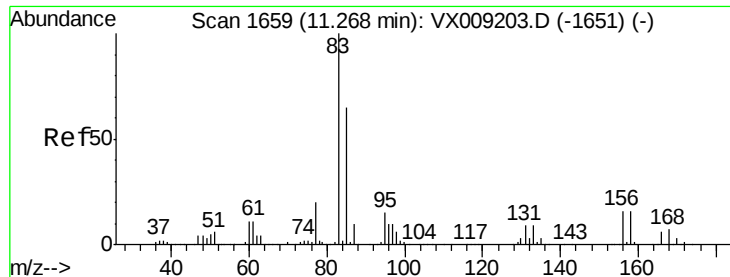
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.783 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

ClientSampleId :

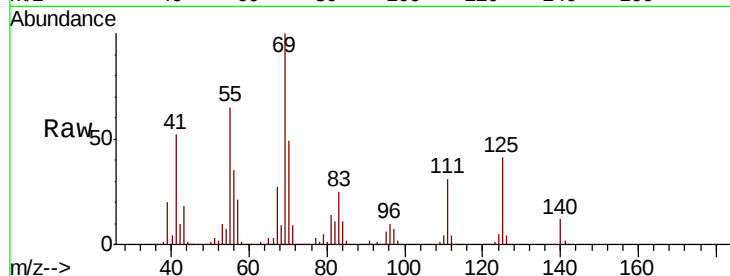
Tot Ion: 83 Resp: 41692

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

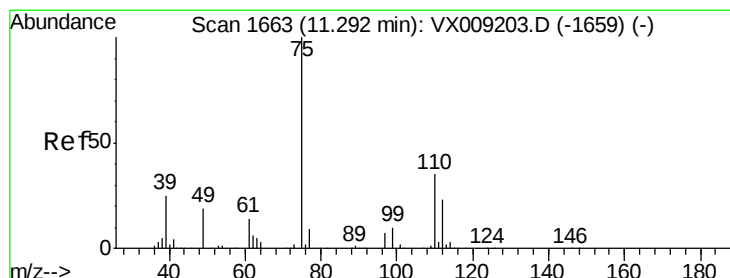
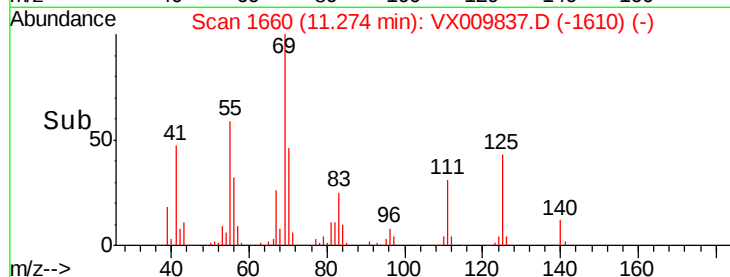
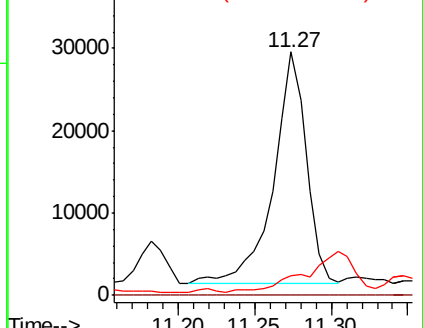
85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.694 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009837.D

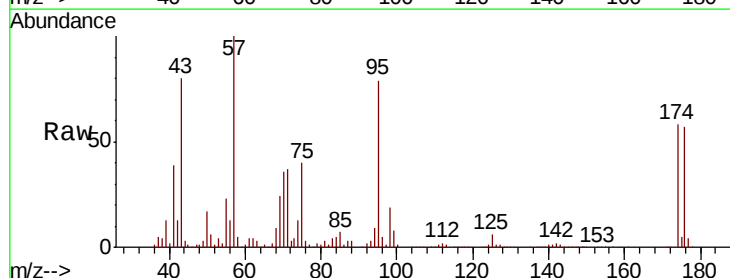
Acq: 23 May 2019 05:11

Tgt Ion: 75 Resp: 75085

Ion Ratio Lower Upper

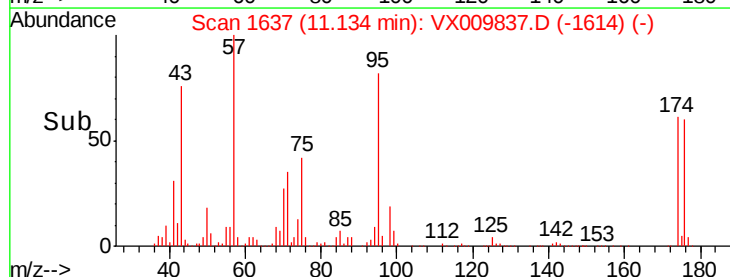
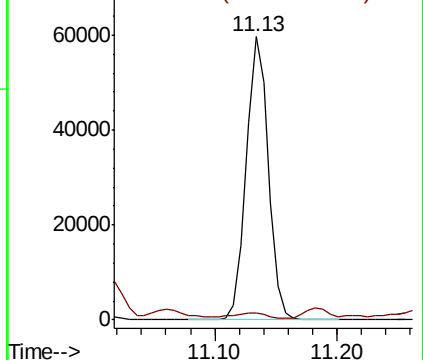
75 100

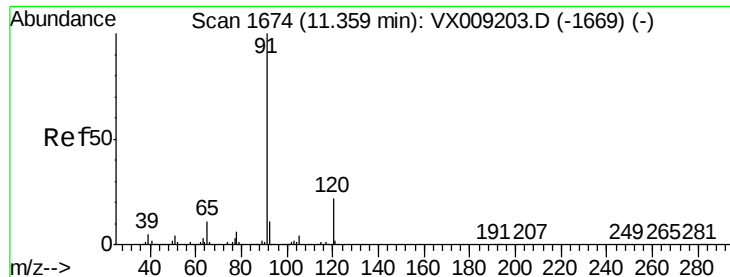
77 2.8 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 17.604 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

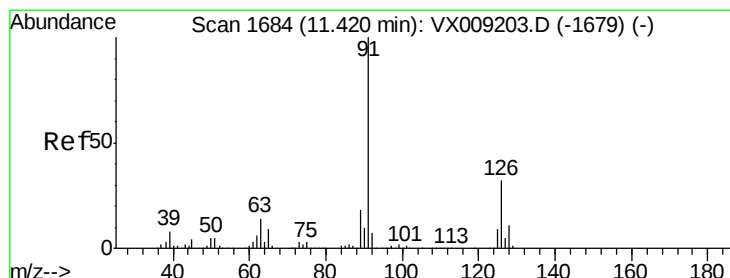
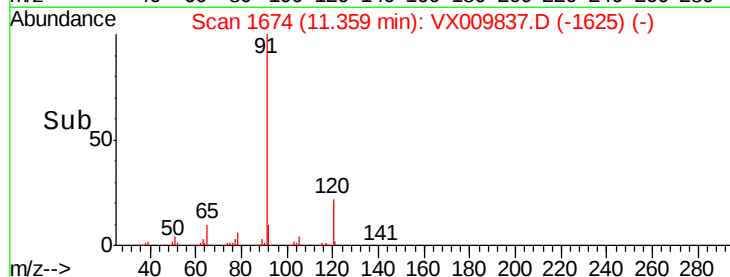
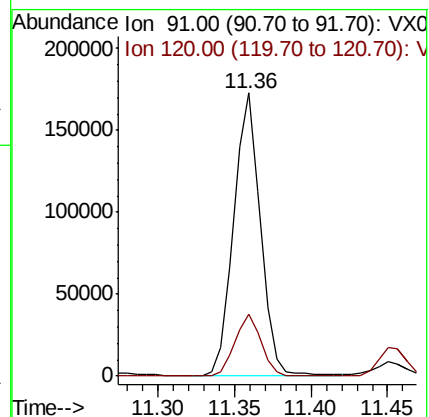
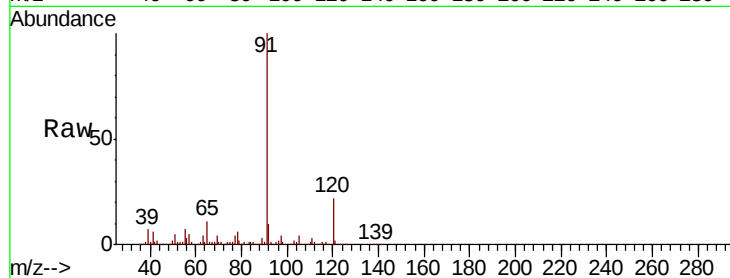
ClientSampleId :

Tot Ion: 91 Resp: 208524

Ion Ratio Lower Upper

91 100

120 21.6 11.0 33.0



#79

2-Chlorotoluene

Concen: 1.635 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX009837.D

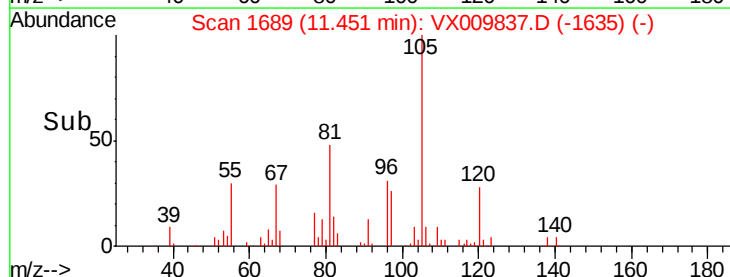
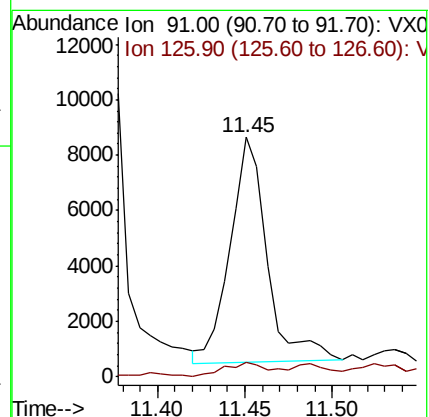
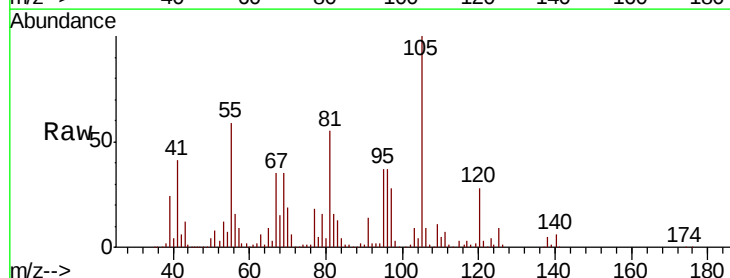
Acq: 23 May 2019 05:11

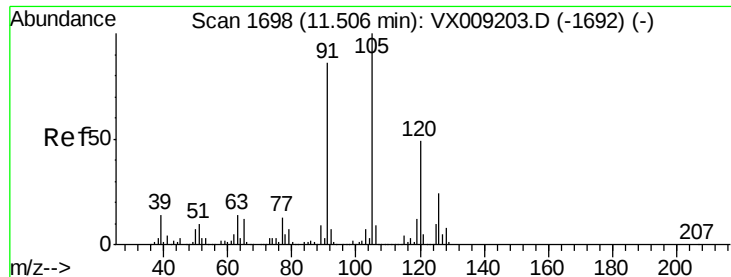
Tgt Ion: 91 Resp: 11950

Ion Ratio Lower Upper

91 100

126 8.4 16.3 48.9#





#80

1,3,5-Trimethylbenzene

Concen: 8.904 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. -0.05 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

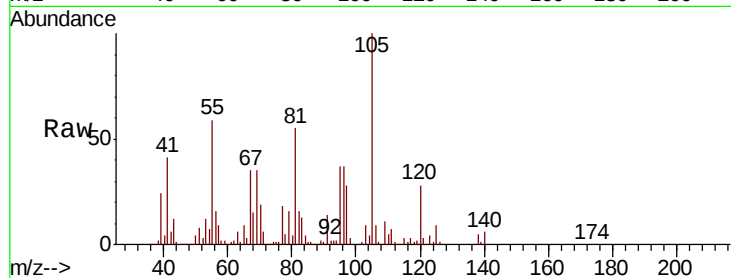
ClientSampleId :

Tot Ion:105 Resp: 77763

Ion Ratio Lower Upper

105 100

120 28.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

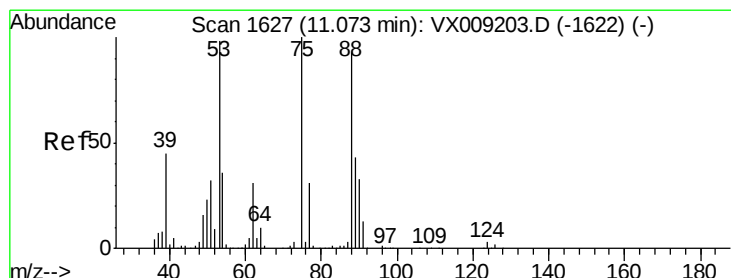
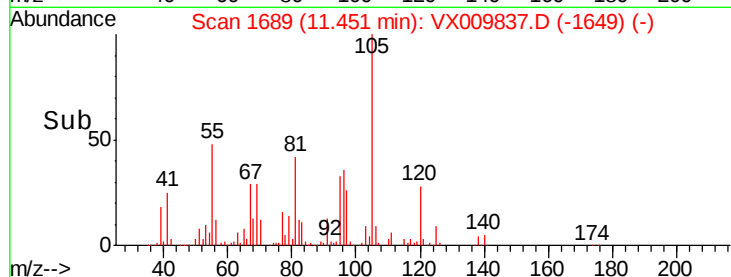
40000

20000

0

11.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.066 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

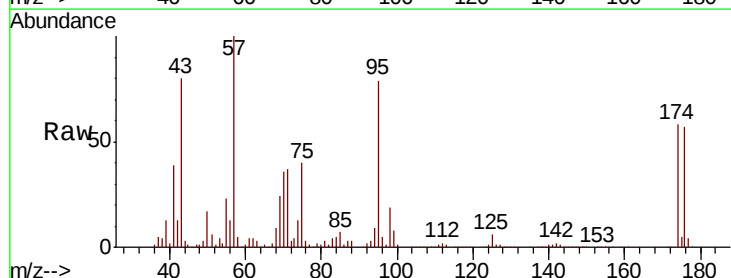
Tgt Ion: 75 Resp: 75085

Ion Ratio Lower Upper

75 100

53 10.3 79.0 118.6#

89 0.0 34.7 52.1#



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

80000

60000

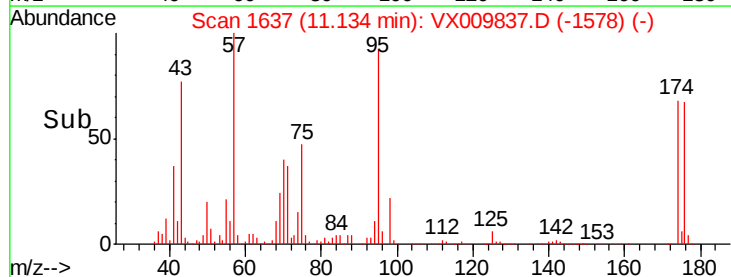
40000

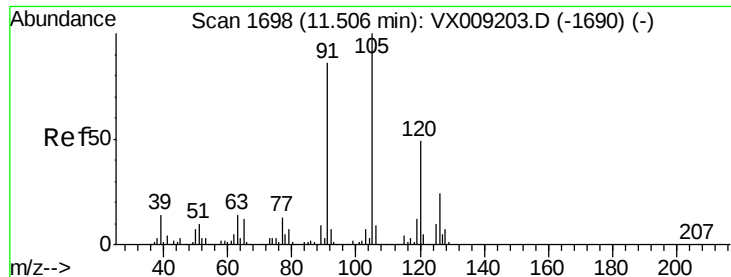
20000

0

11.13

Time-->

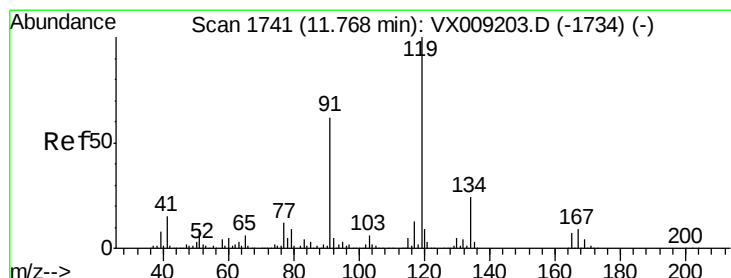
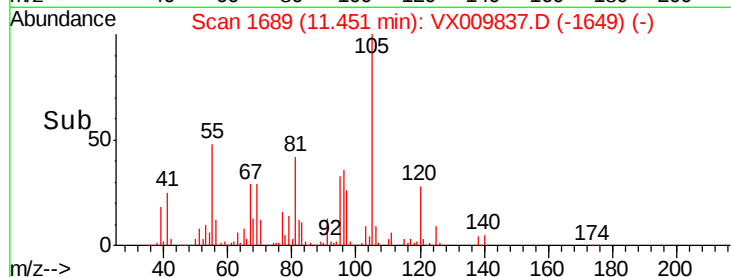
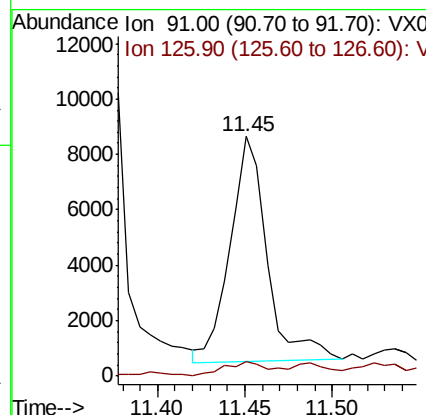
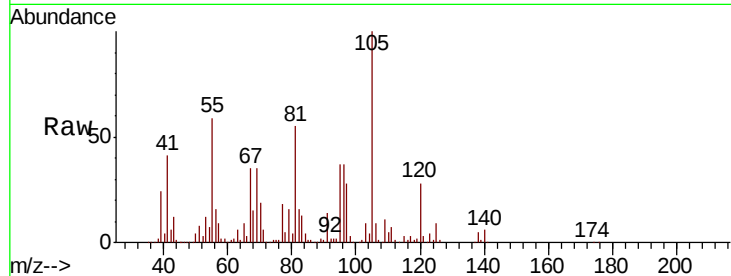




#82
4-Chlorotoluene
Concen: 1.447 ug/l
RT: 11.45 min Scan# 1689
Delta R.T. -0.05 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

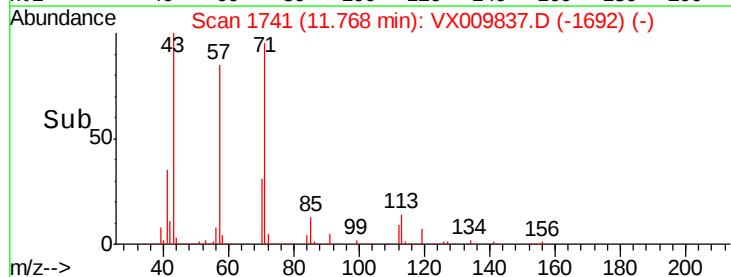
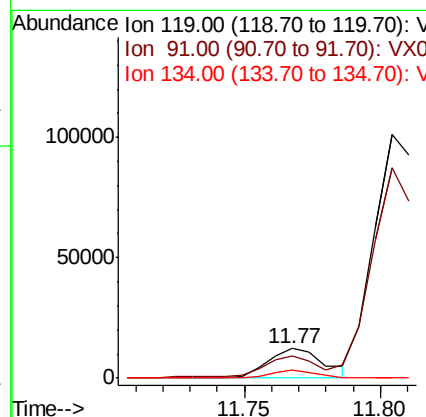
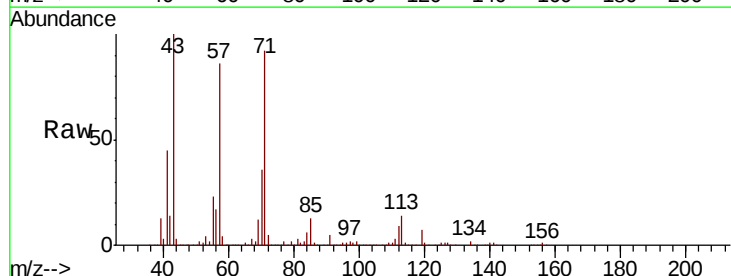
Instrument :
MSVOA_X
ClientSampleId :

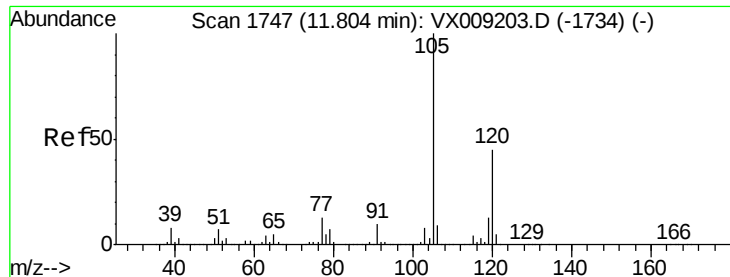
Tot Ion: 91 Resp: 11950
Ion Ratio Lower Upper
91 100
126 8.4 14.5 43.6#



#83
tert-Butylbenzene
Concen: 2.038 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion: 119 Resp: 17315
Ion Ratio Lower Upper
119 100
91 69.5 29.5 88.5
134 22.5 11.4 34.1





#84

1,2,4-Trimethylbenzene

Concen: 114.885 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009837.D

Acq: 23 May 2019 05:11

Instrument :

MSVOA_X

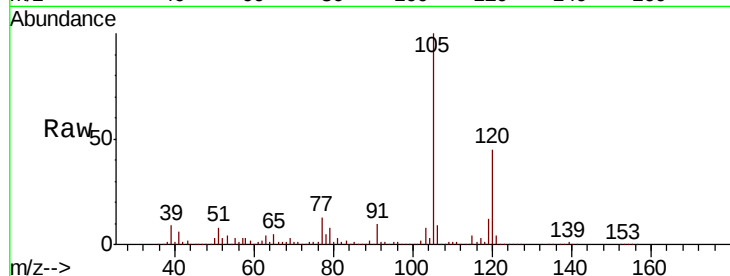
ClientSampleId :

Tot Ion:105 Resp: 1007099

Ion Ratio Lower Upper

105 100

120 44.8 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

800000

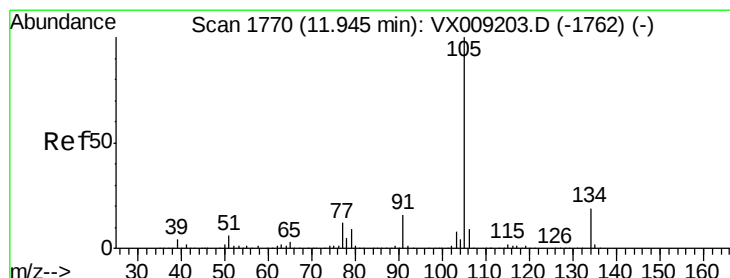
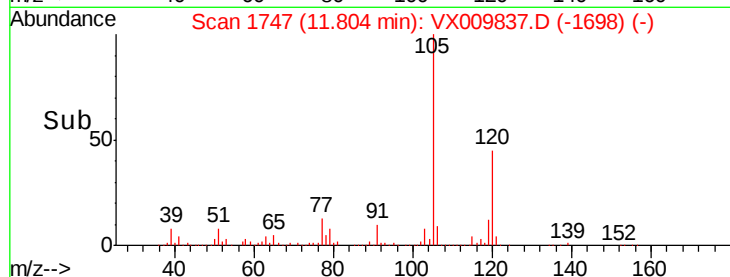
600000

400000

200000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 12.848 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009837.D

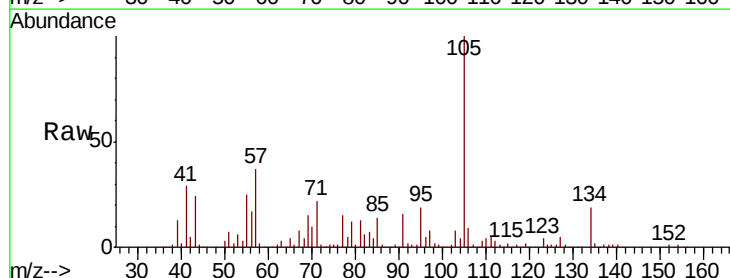
Acq: 23 May 2019 05:11

Tgt Ion:105 Resp: 129415

Ion Ratio Lower Upper

105 100

134 17.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

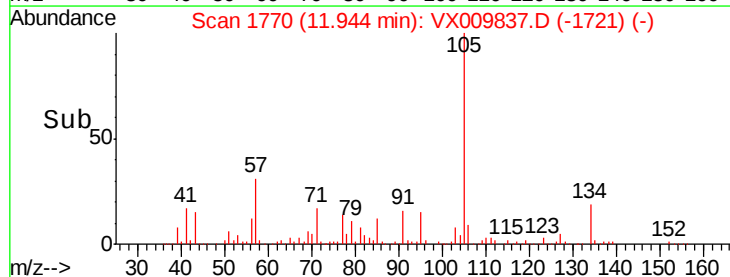
60000

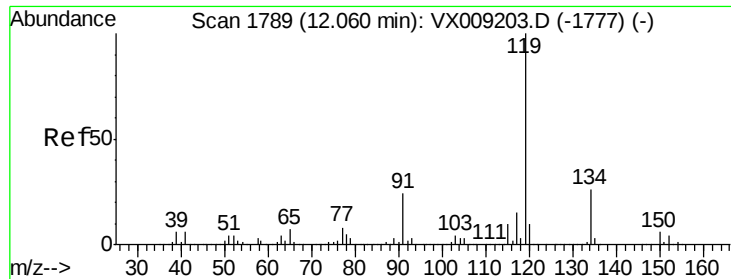
40000

20000

0

Time--> 11.90 12.00

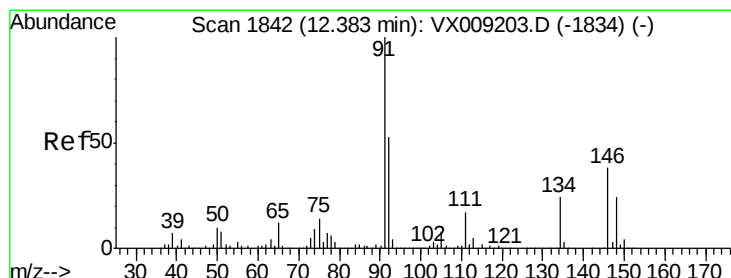
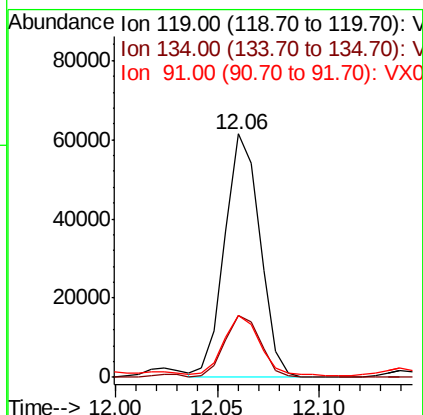
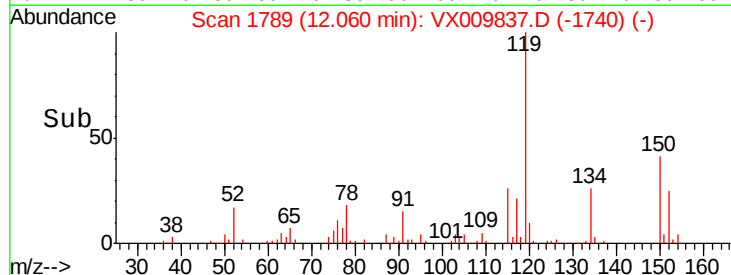
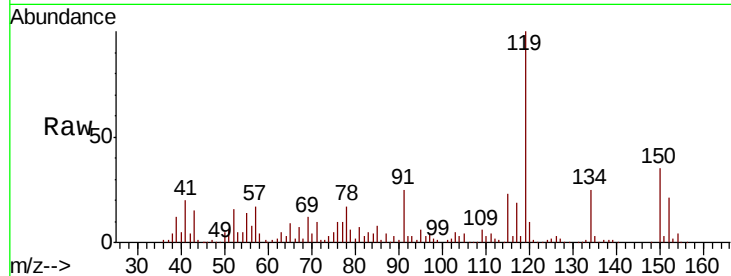




#86
p-Isopropyltoluene
Concen: 8.133 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

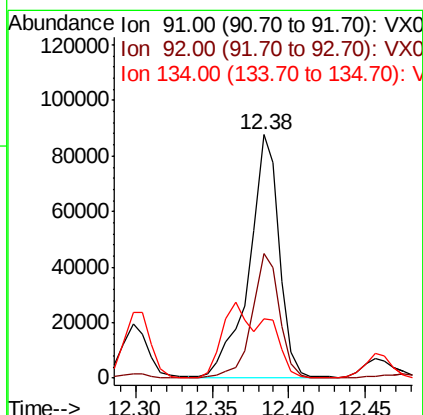
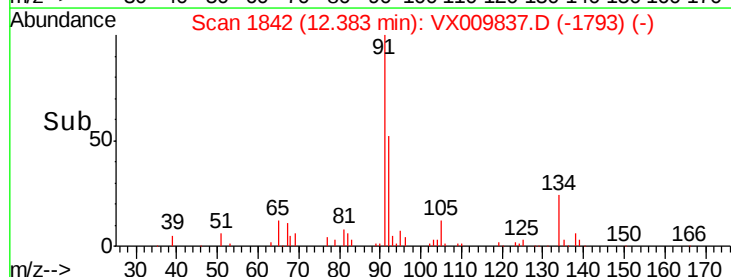
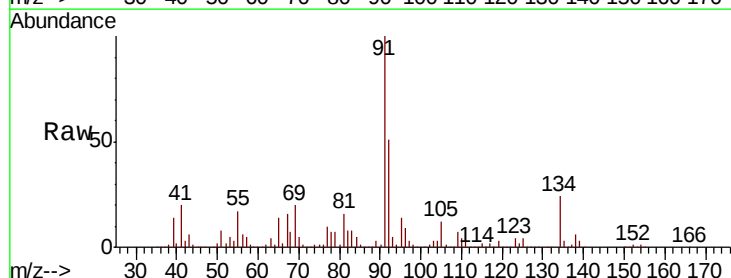
Instrument :
MSVOA_X
ClientSampleId :

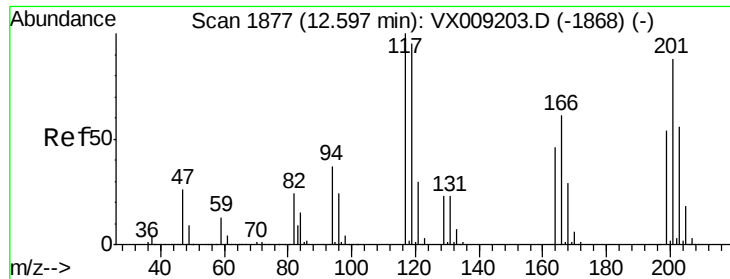
Tot Ion:119 Resp: 73649
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.7
91 24.9 11.8 35.4



#89
n-Butylbenzene
Concen: 14.534 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion: 91 Resp: 118948
Ion Ratio Lower Upper
91 100
92 47.0 26.5 79.5
134 47.3 12.4 37.2#

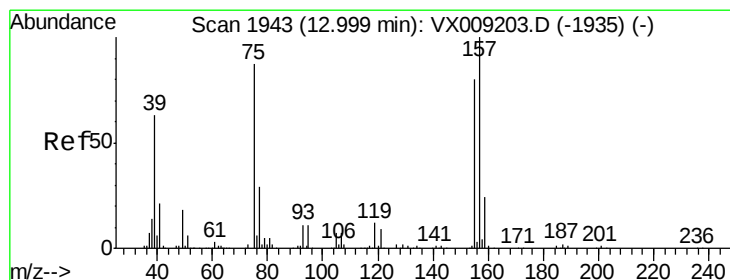
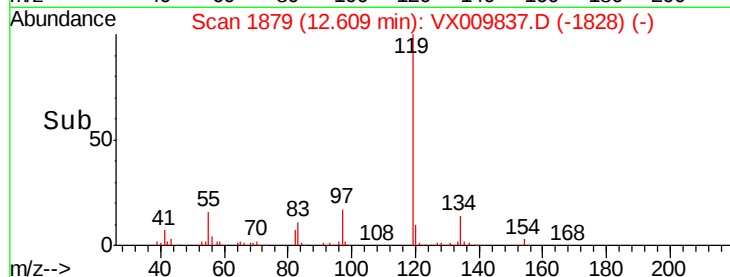
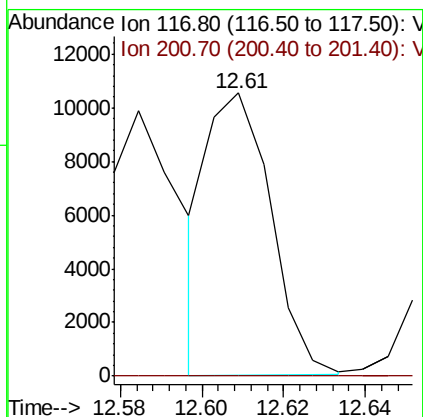
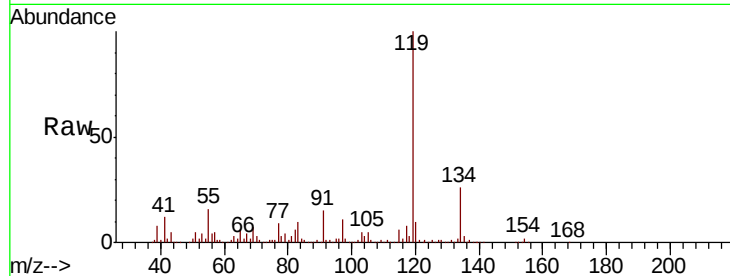




#90
Hexachloroethane
Concen: 7.370 ug/l
RT: 12.61 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 11370
Ion Ratio Lower Upper
117 100
201 0.0 42.3 126.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.325 ug/l
RT: 13.02 min Scan# 1946
Delta R.T. 0.02 min
Lab File: VX009837.D
Acq: 23 May 2019 05:11

Tgt Ion: 75 Resp: 1149
Ion Ratio Lower Upper
75 100
155 0.0 42.0 126.0#
157 0.0 53.2 159.6#

