

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010559.D
 Acq On : 29 Jun 2019 01:31
 Operator : JC/SP
 Sample : K3570-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LT-4

Quant Time: Jun 29 04:45:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	345972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167584	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	117704	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.50	113	115449	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	451033	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	154544	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

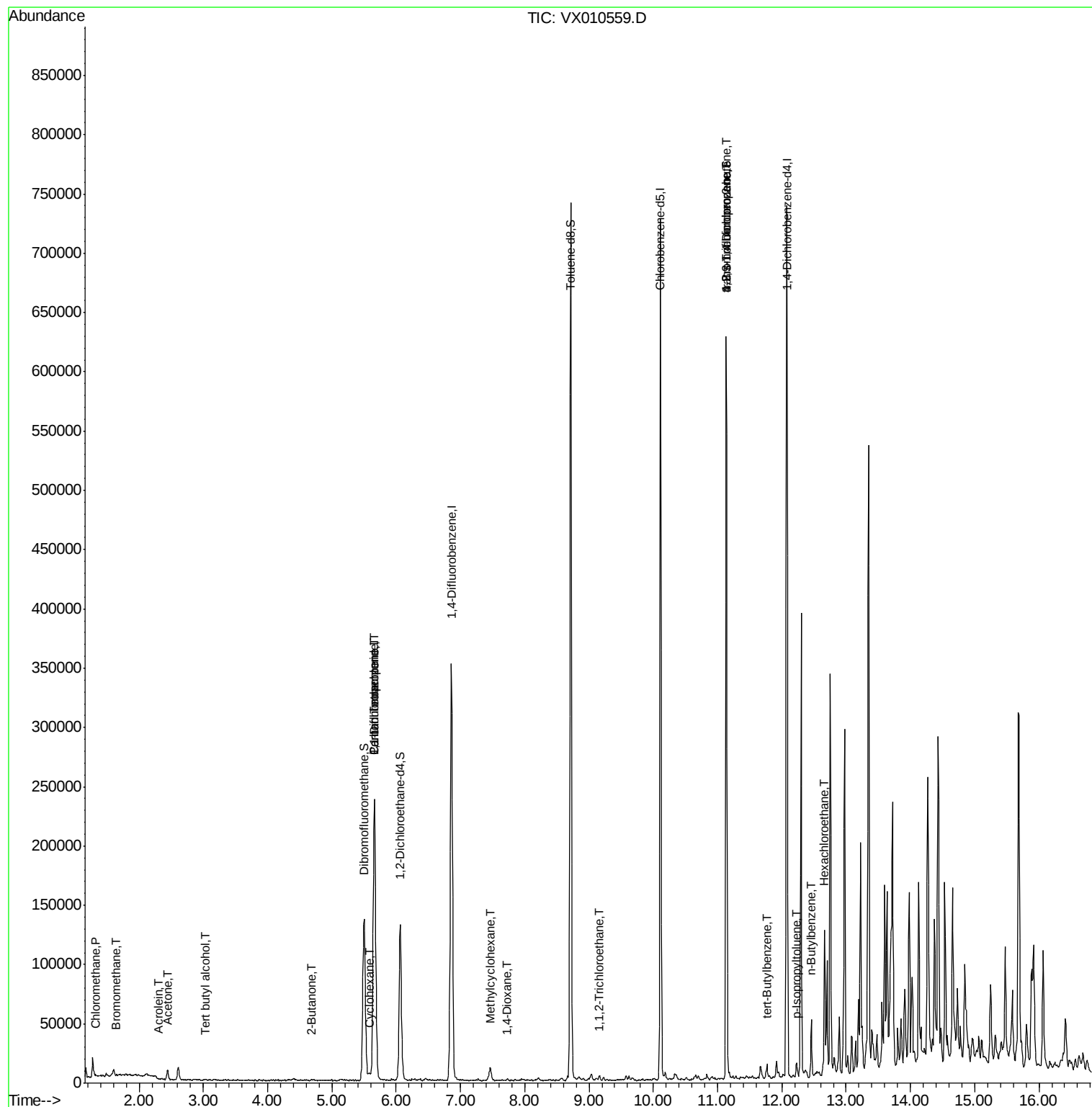
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1019	0.506	ug/l	96
5) Bromomethane	1.64	94	447	0.416	ug/l #	7
11) Tert butyl alcohol	3.03	59	338	0.553	ug/l #	74
13) Acrolein	2.30	56	205	0.506	ug/l	100
16) Acetone	2.45	43	9086	7.767	ug/l	93
25) 2-Butanone	4.68	43	1044	0.608	ug/l #	87
31) Cyclohexane	5.59	56	3420	1.014	ug/l	97
36) 1,1-Dichloropropene	5.66	75	15804	5.207	ug/l #	47
38) Carbon Tetrachloride	5.66	117	21861	6.651	ug/l #	16
39) Methylcyclohexane	7.46	83	5082	1.274	ug/l	95
49) 1,4-Dioxane	7.72	88	21	0.304	ug/l #	28
55) 1,1,2-Trichloroethane	9.15	97	1227	0.478	ug/l #	22
76) 1,2,3-Trichloropropane	11.13	75	73103	23.938	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73103	55.845	ug/l #	16
83) tert-Butylbenzene	11.77	119	4851	0.516	ug/l	87
86) p-Isopropyltoluene	12.23	119	4926	0.483	ug/l	93
89) n-Butylbenzene	12.46	91	4615	0.532	ug/l #	1
90) Hexachloroethane	12.67	117	5214	2.954	ug/l #	5

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

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Instrument :
MSVOA_X
ClientSampled :
LT-4

Quant Time: Jun 29 04:45:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

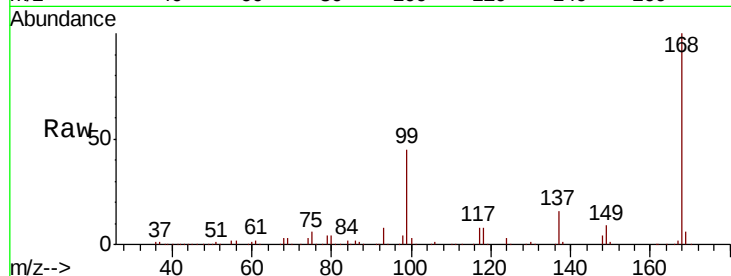
LT-4

Tot Ion:168 Resp: 248950

Ion Ratio Lower Upper

168 100

99 44.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

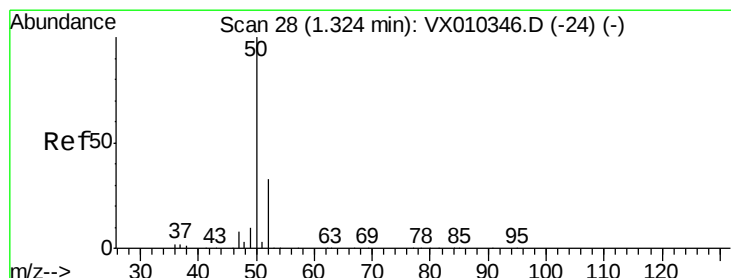
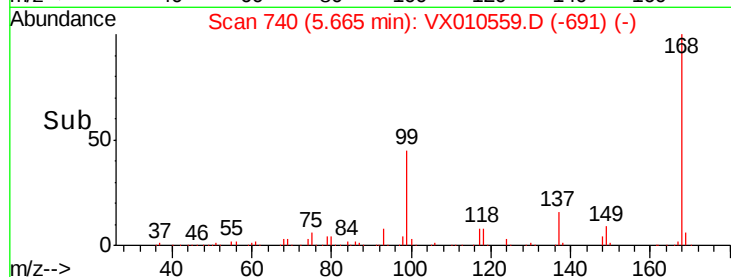
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.506 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010559.D

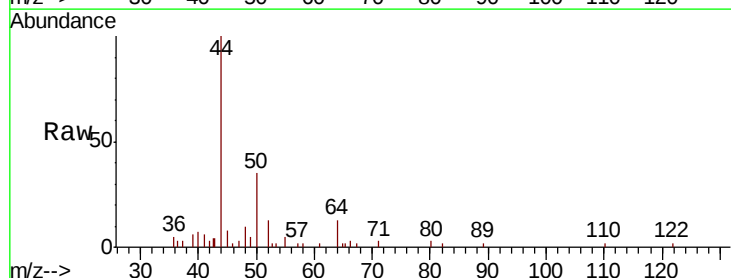
Acq: 29 Jun 2019 01:31

Tgt Ion: 50 Resp: 1019

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

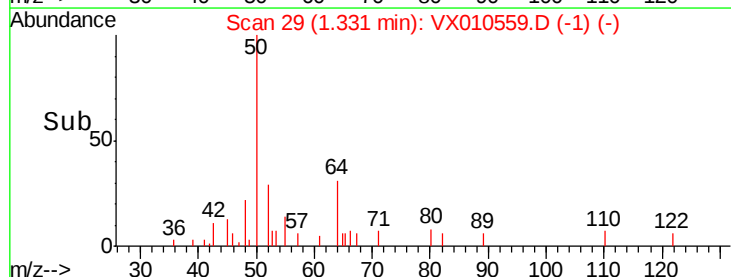
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.416 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

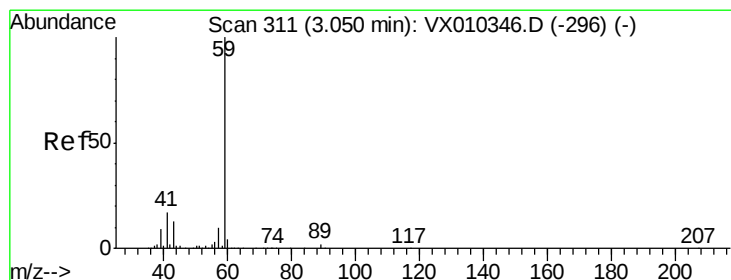
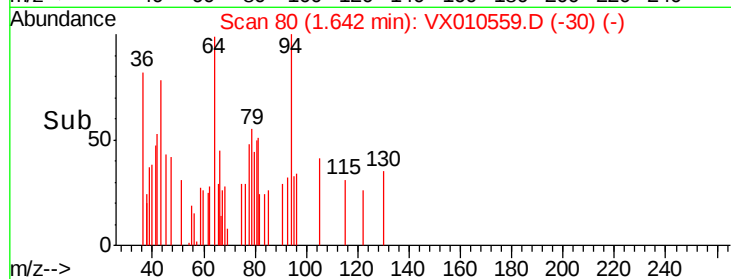
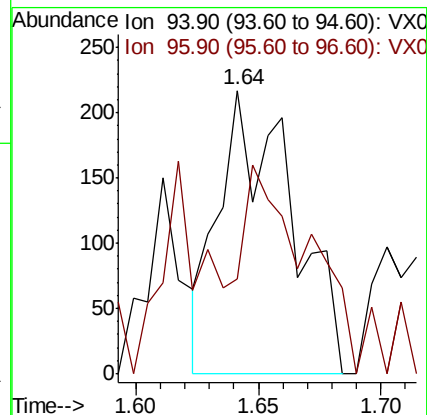
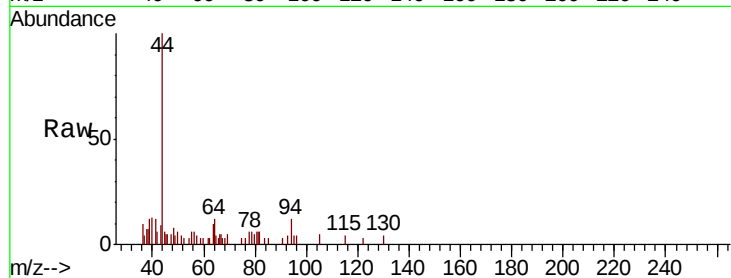
LT-4

Tot Ion: 94 Resp: 447

Ion Ratio Lower Upper

94 100

96 4.1 75.5 113.3#



#11

Tert butyl alcohol

Concen: 0.553 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010559.D

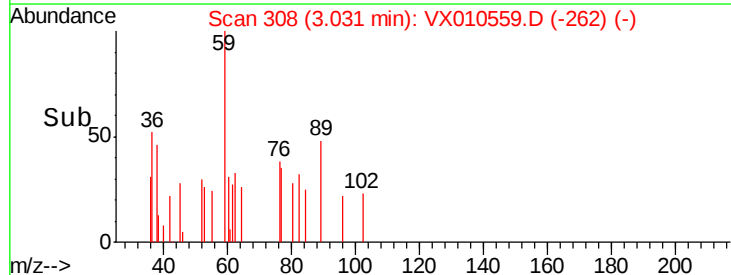
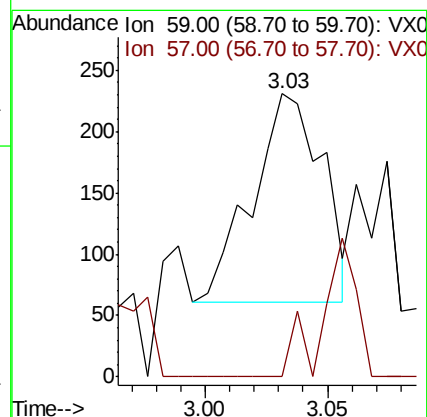
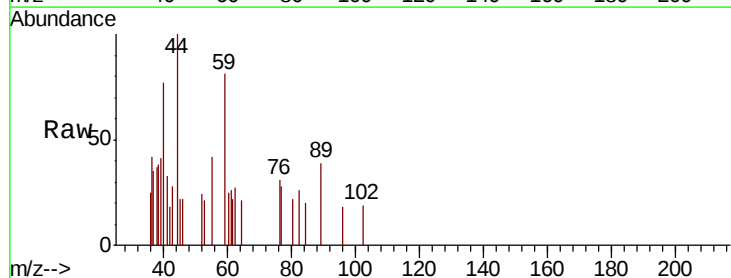
Acq: 29 Jun 2019 01:31

Tgt Ion: 59 Resp: 338

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.506 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampleId :

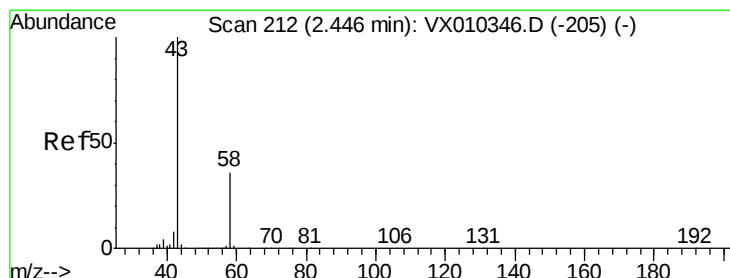
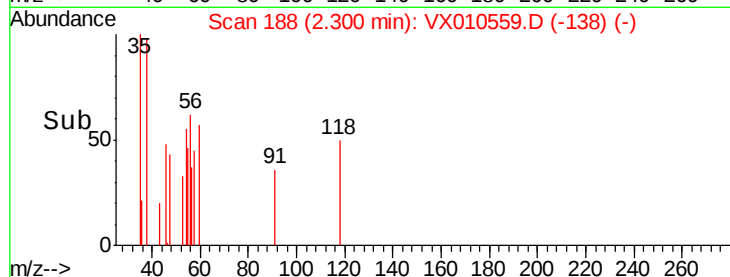
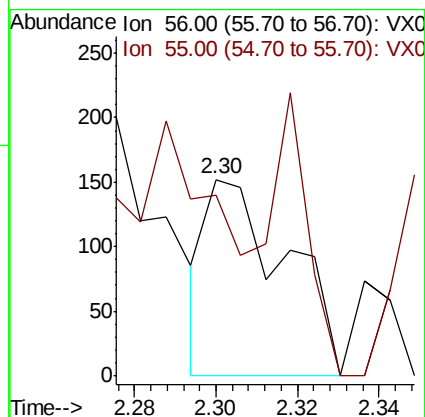
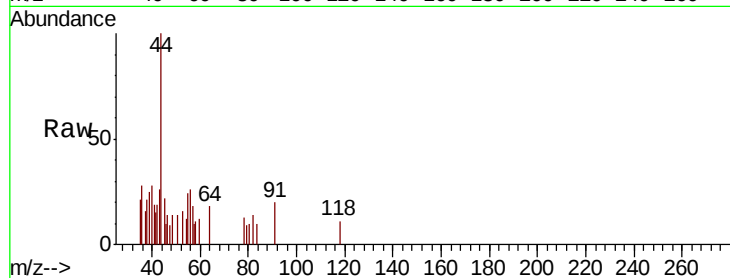
LT-4

Tot Ion: 56 Resp: 205

Ion Ratio Lower Upper

56 100

55 71.2 56.9 85.3



#16

Acetone

Concen: 7.767 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010559.D

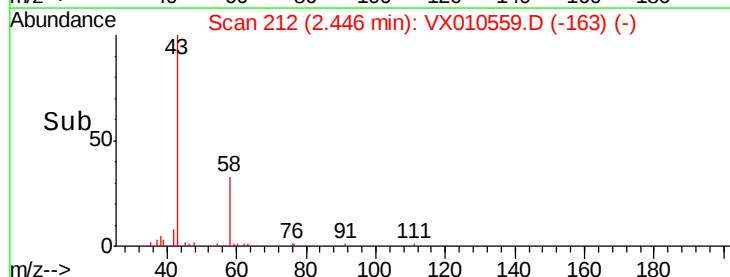
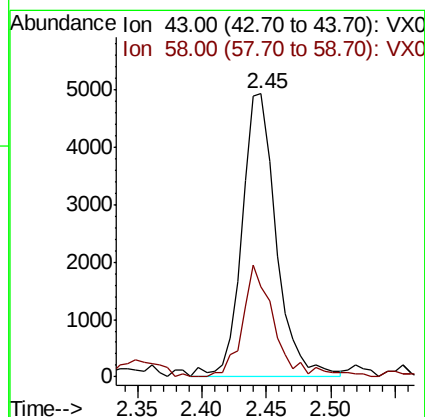
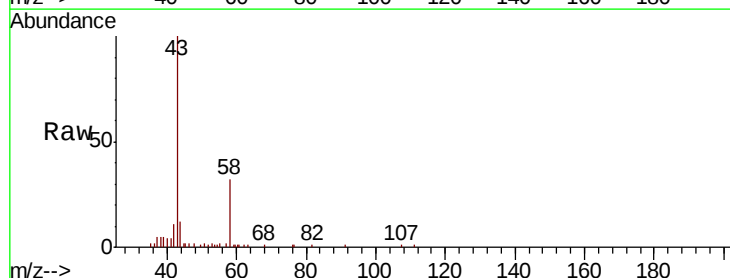
Acq: 29 Jun 2019 01:31

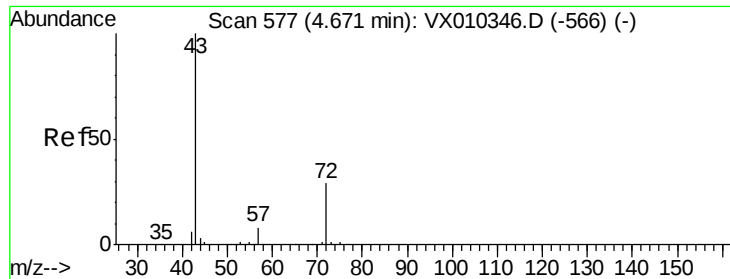
Tgt Ion: 43 Resp: 9086

Ion Ratio Lower Upper

43 100

58 31.9 28.9 43.3





#25

2-Butanone

Concen: 0.608 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

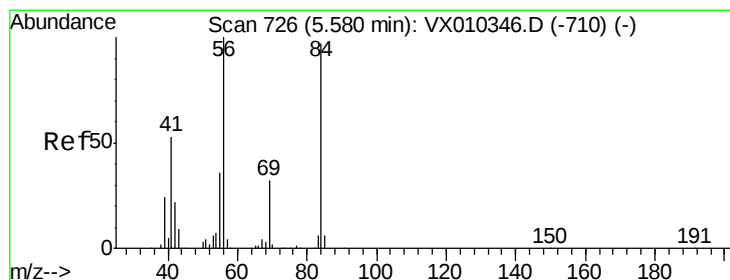
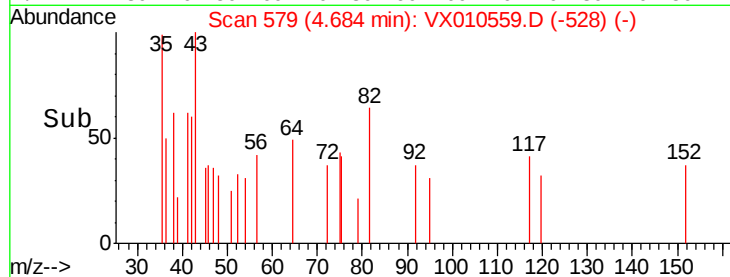
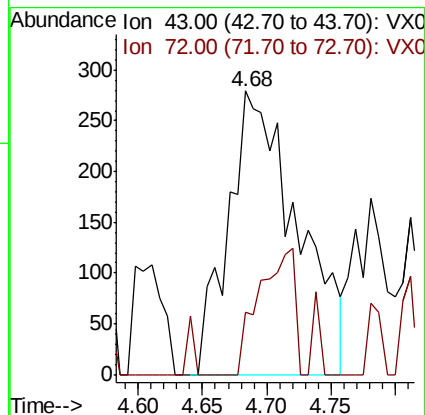
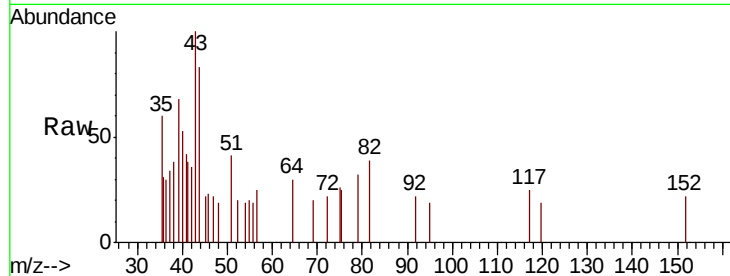
LT-4

Tot Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

72 22.2 23.3 34.9#



#31

Cyclohexane

Concen: 1.014 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

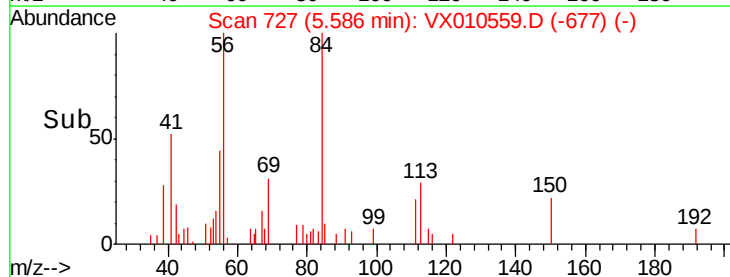
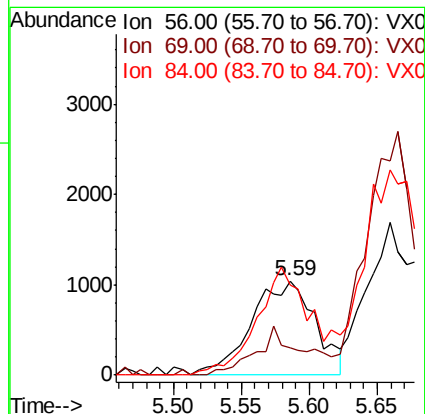
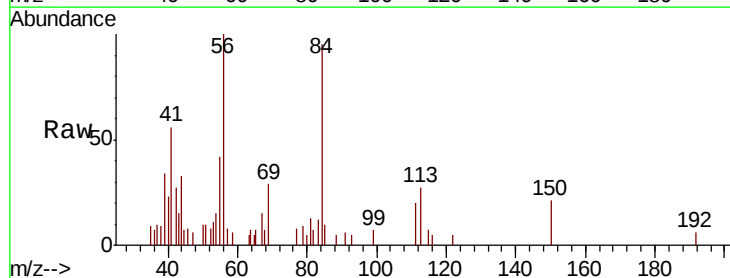
Tgt Ion: 56 Resp: 3420

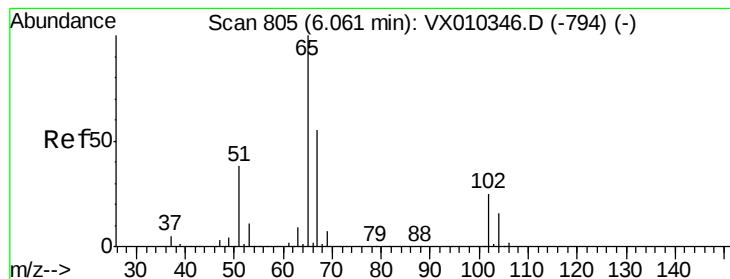
Ion Ratio Lower Upper

56 100

69 29.2 25.9 38.9

84 94.8 78.0 117.0





#33

1,2-Dichloroethane-d4

Concen: 50.427 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

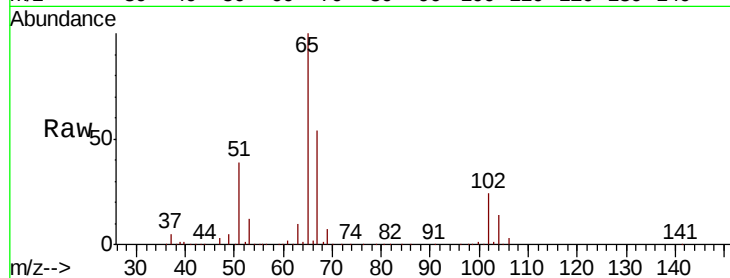
LT-4

Tot Ion: 65 Resp: 117704

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

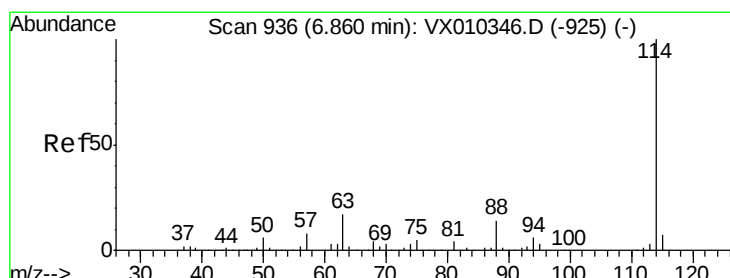
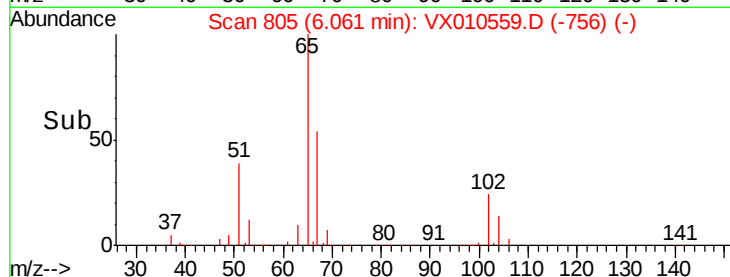
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

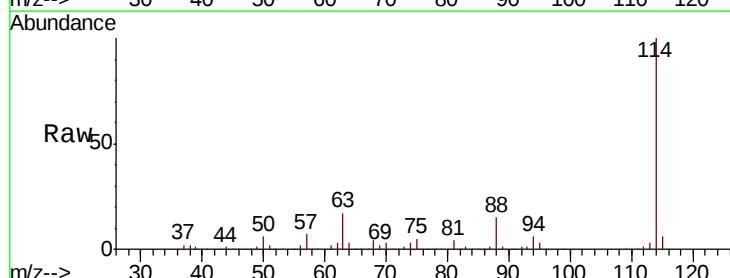
Tgt Ion: 114 Resp: 381957

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

88 15.2 0.0 27.6



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

6.86

200000

150000

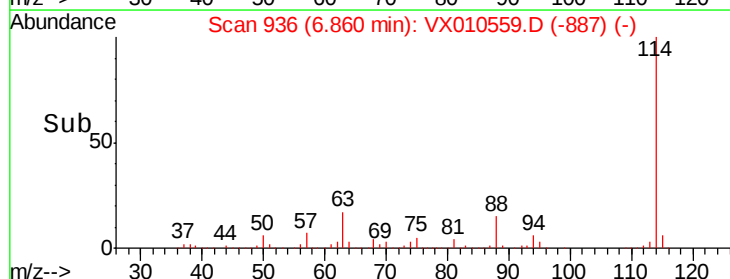
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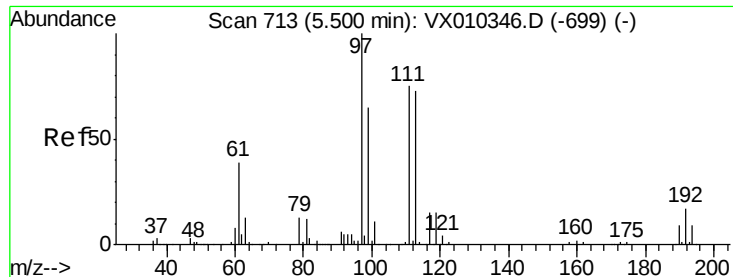
50000

0

Time-->

6.80 6.90 7.00

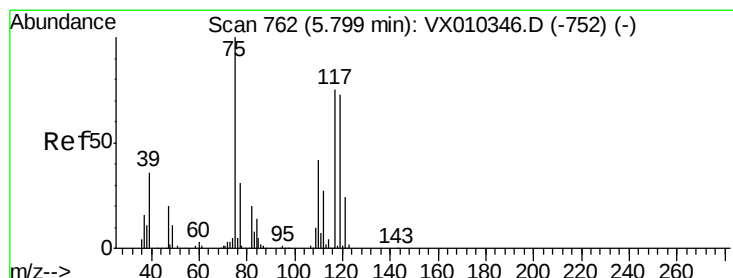
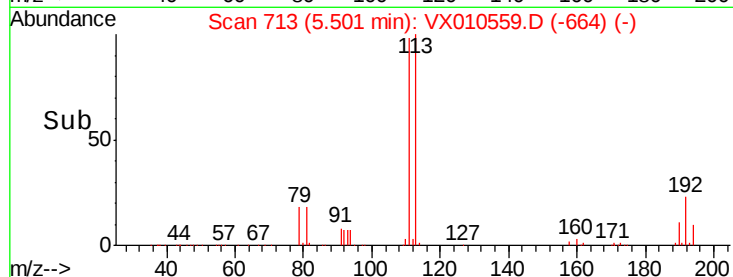
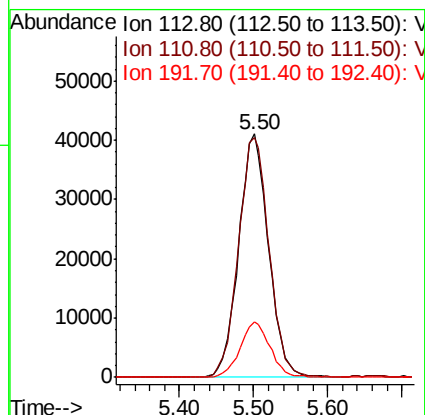
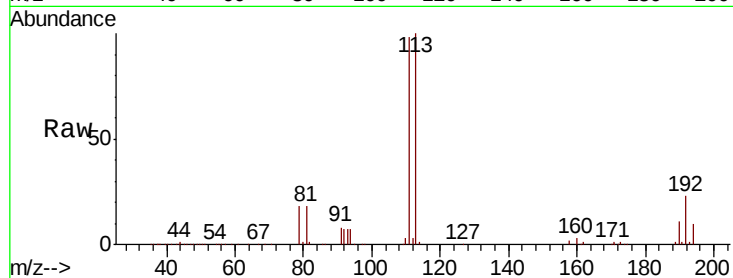




#35
 Dibromofluoromethane
 Concen: 49.402 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

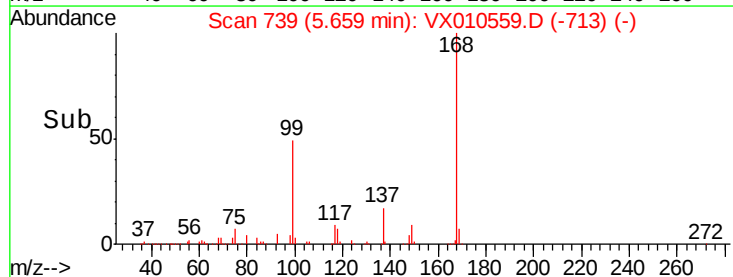
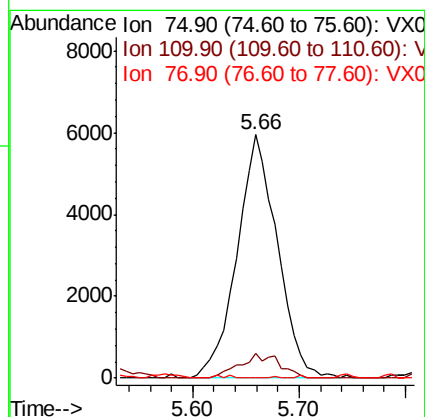
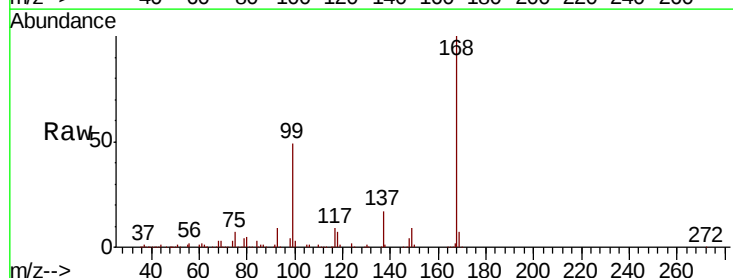
Instrument :
 MSVOA_X
 ClientSampled :
 LT-4

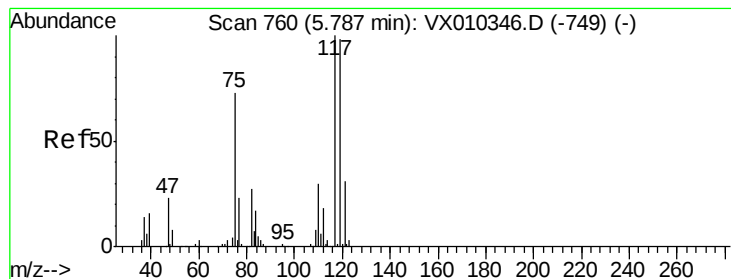
Tot Ion:113 Resp: 115449
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.2 121.8
 192 22.7 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.207 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

Tgt Ion: 75 Resp: 15804
 Ion Ratio Lower Upper
 75 100
 110 9.9 20.8 62.2#
 77 0.1 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.651 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

Instrument :

MSVOA_X

ClientSampled :

LT-4

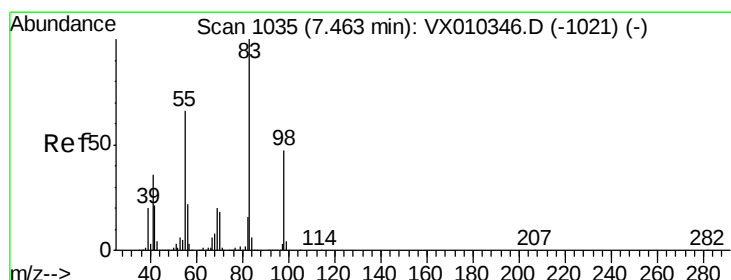
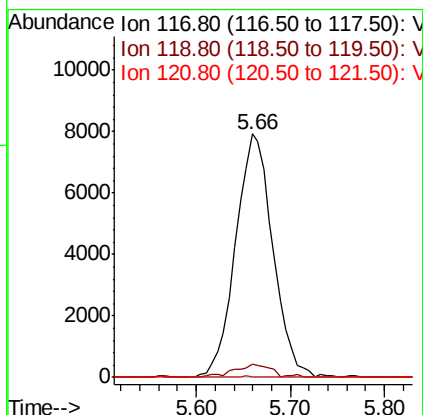
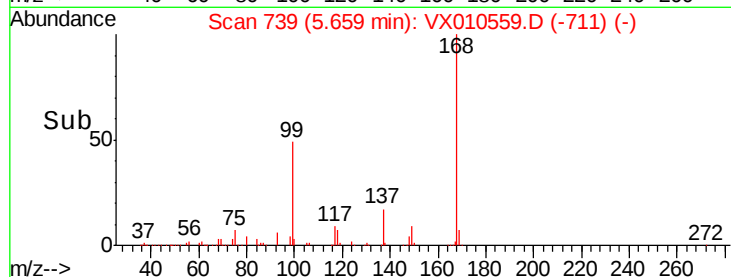
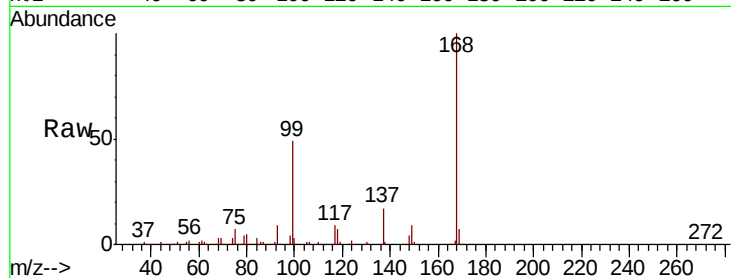
Tot Ion:117 Resp: 21861

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

121 0.0 24.7 37.1#



#39

Methylcyclohexane

Concen: 1.274 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX010559.D

Acq: 29 Jun 2019 01:31

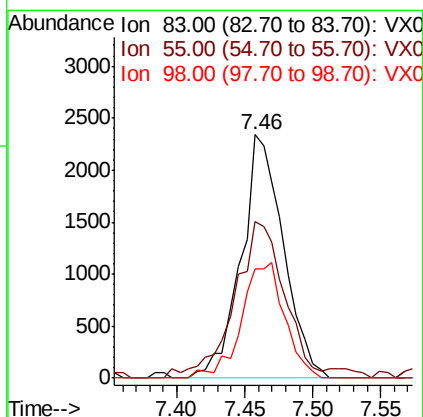
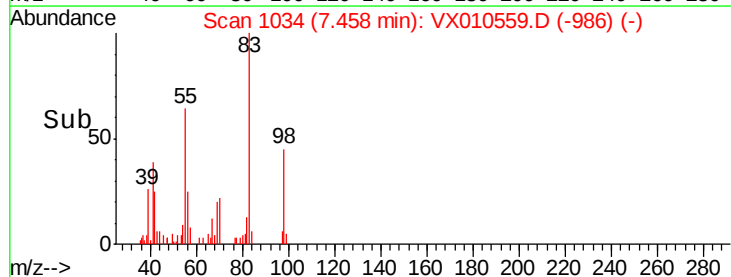
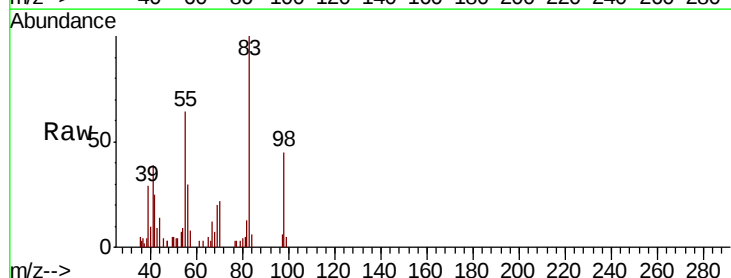
Tgt Ion: 83 Resp: 5082

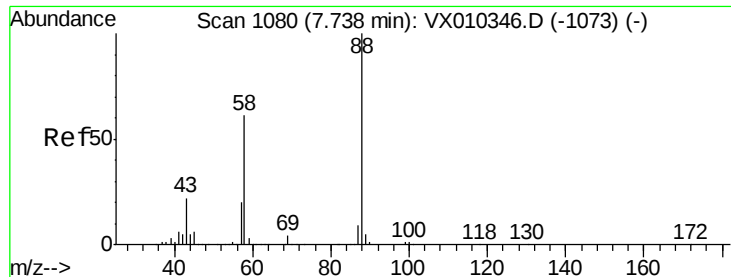
Ion Ratio Lower Upper

83 100

55 60.8 53.0 79.6

98 45.0 37.8 56.8

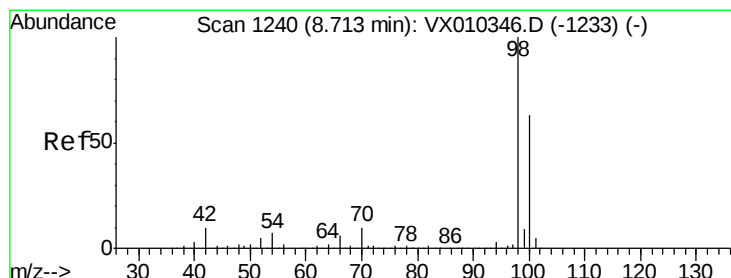
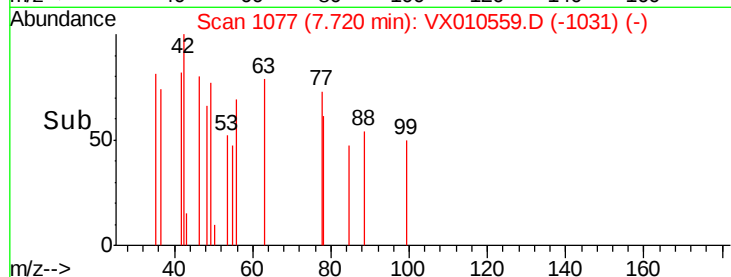
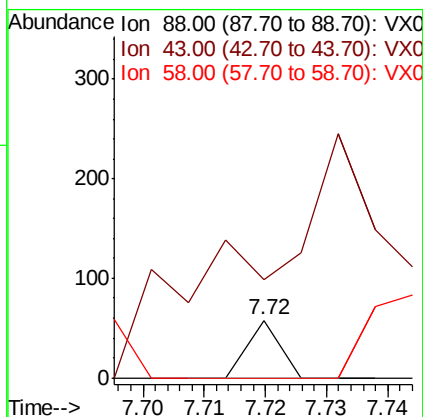
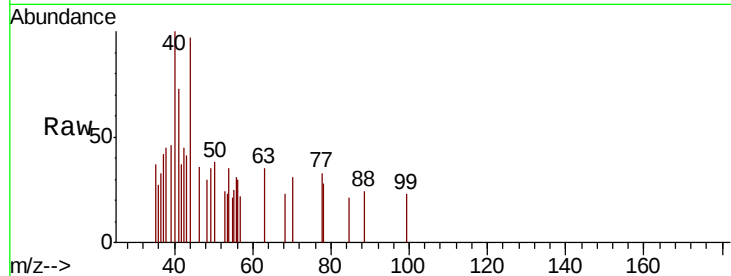




#49
1,4-Dioxane
Concen: 0.304 ug/l
RT: 7.72 min Scan# 1077
Delta R.T. -0.02 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

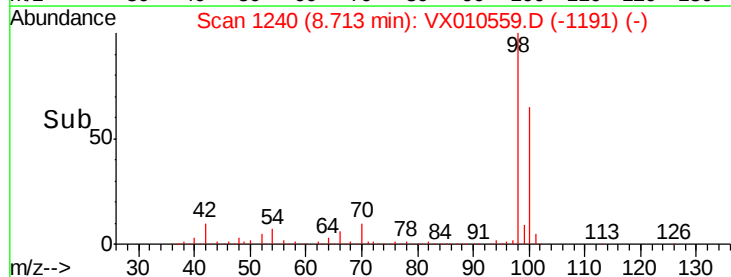
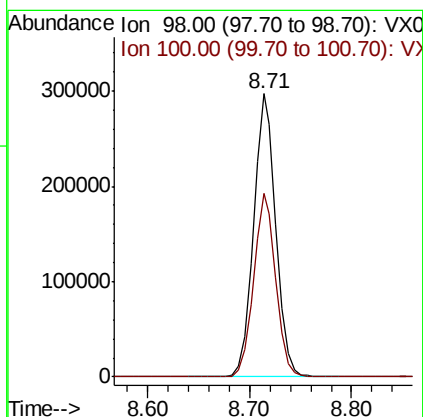
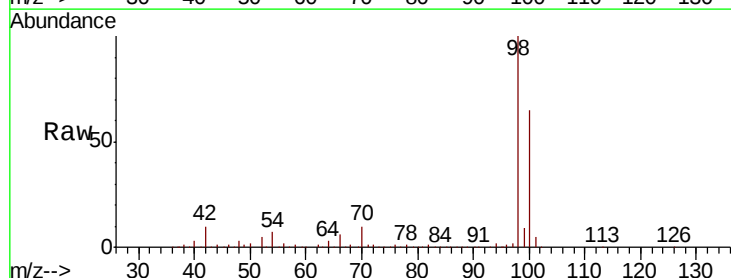
Instrument :
MSVOA_X
ClientSampleId :
LT-4

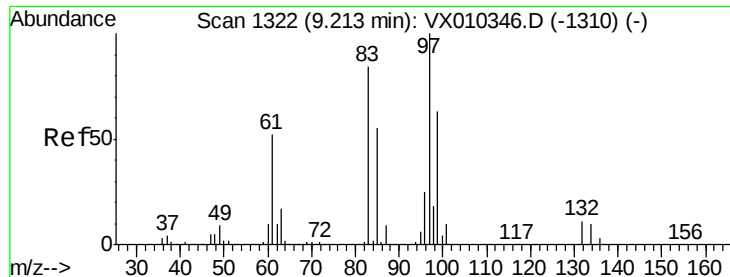
Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.447 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Tgt Ion: 98 Resp: 451033
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

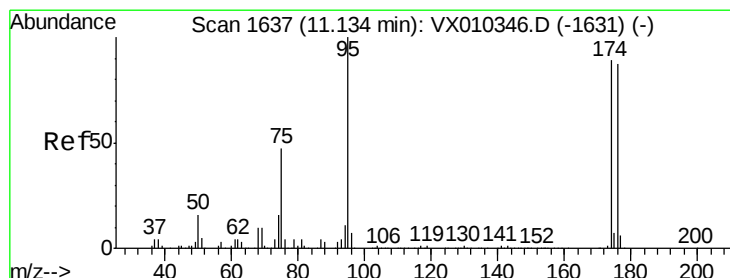
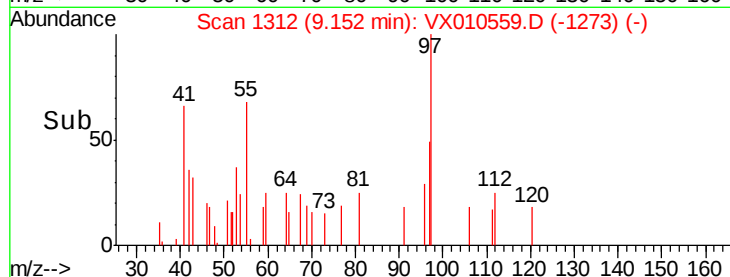
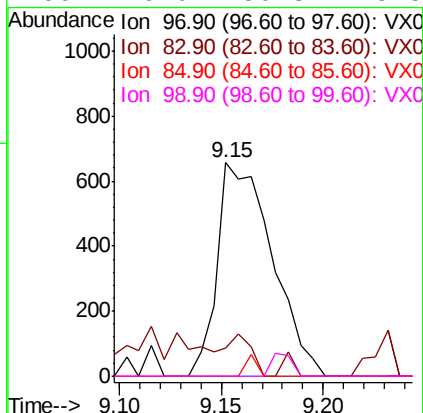
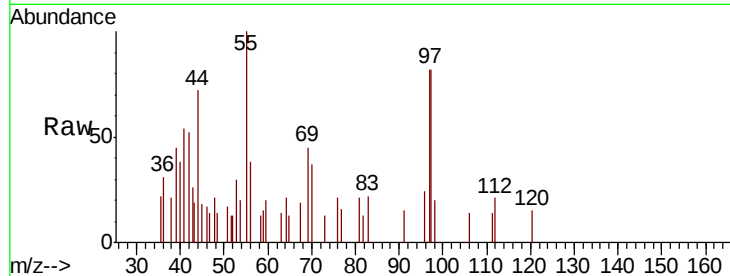




#55
 1,1,2-Trichloroethane
 Concen: 0.478 ug/l
 RT: 9.15 min Scan# 1312
 Delta R.T. -0.06 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

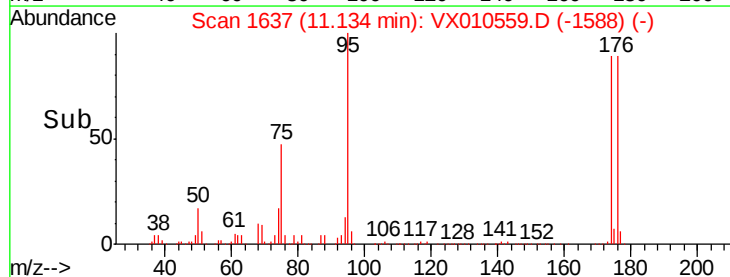
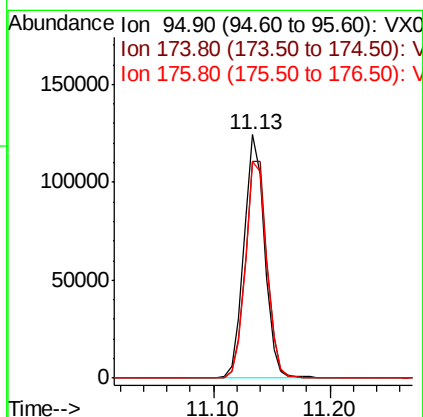
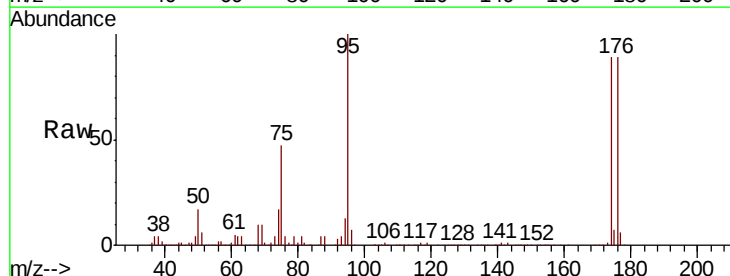
Instrument :
 MSVOA_X
 ClientSampled :
 LT-4

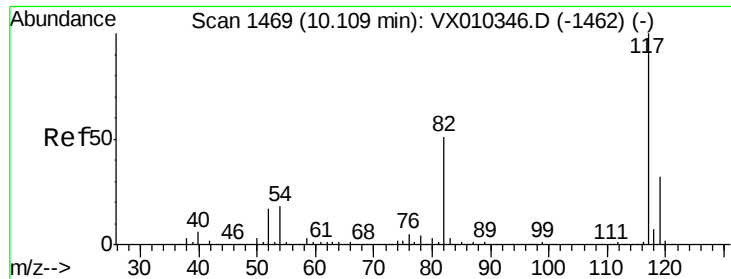
Tot Ion: 97 Resp: 1227
 Ion Ratio Lower Upper
 97 100
 83 13.2 67.4 101.0#
 85 0.0 43.8 65.8#
 99 0.0 50.3 75.5#



#62
 4-Bromofluorobenzene
 Concen: 47.878 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

Tgt Ion: 95 Resp: 154544
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 187.6
 176 91.6 0.0 184.0

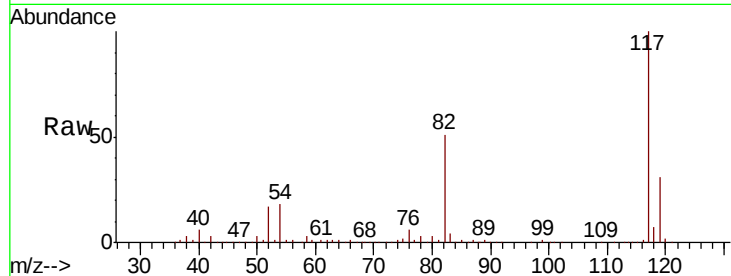




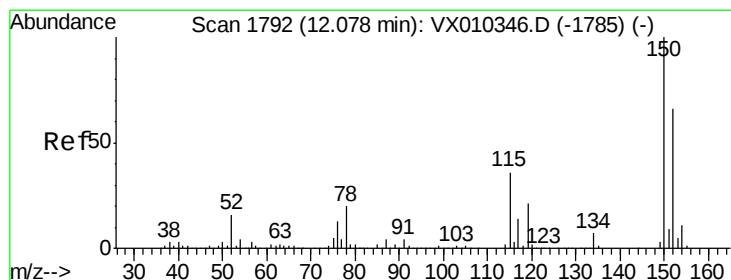
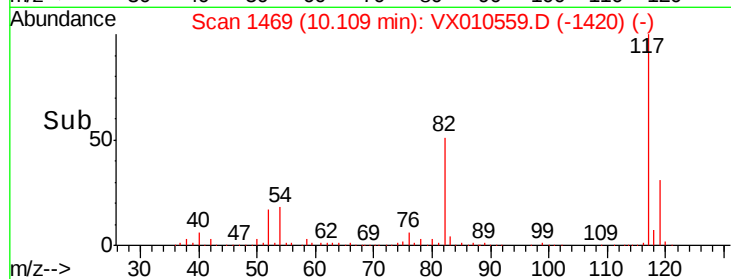
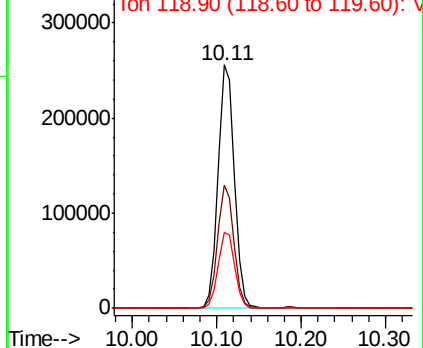
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Instrument :
MSVOA_X
ClientSampleId :
LT-4

Tot Ion:117 Resp: 345972
Ion Ratio Lower Upper
117 100
82 50.5 41.2 61.8
119 31.4 25.5 38.3

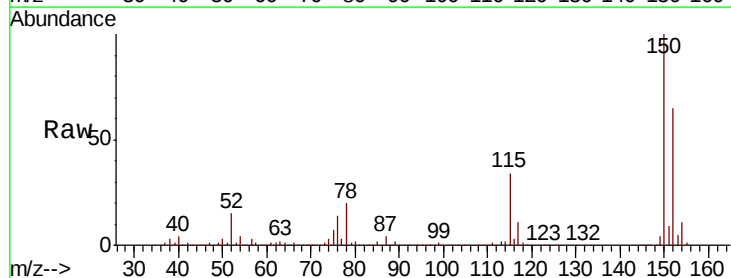


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

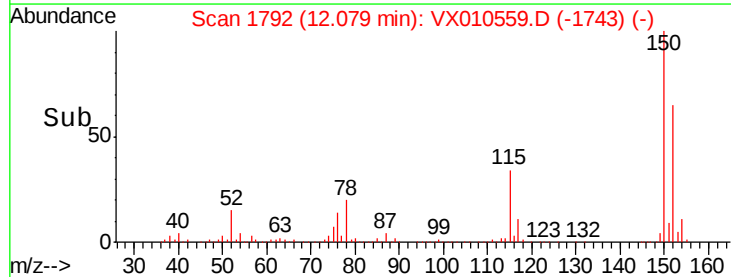
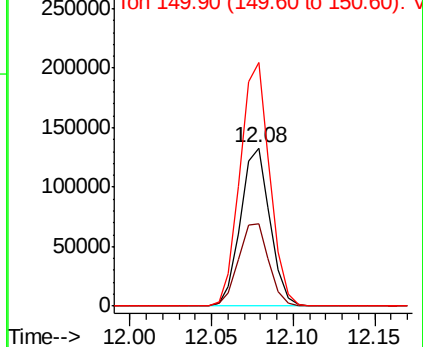


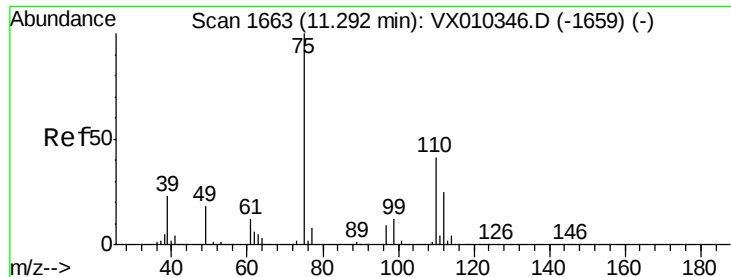
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Tgt Ion:152 Resp: 167584
Ion Ratio Lower Upper
152 100
115 53.9 38.6 115.7
150 155.2 0.0 347.4



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

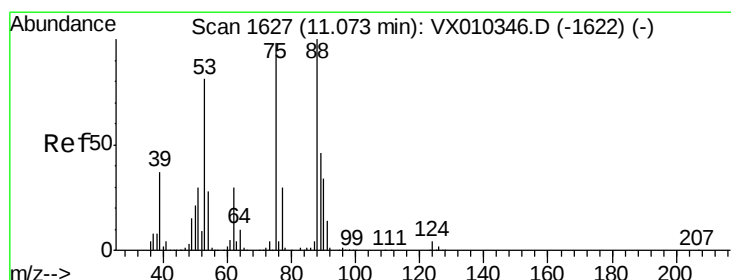
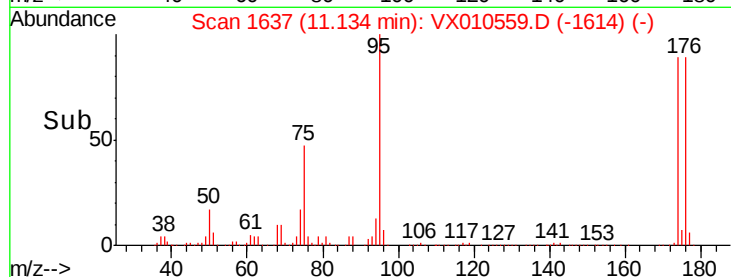
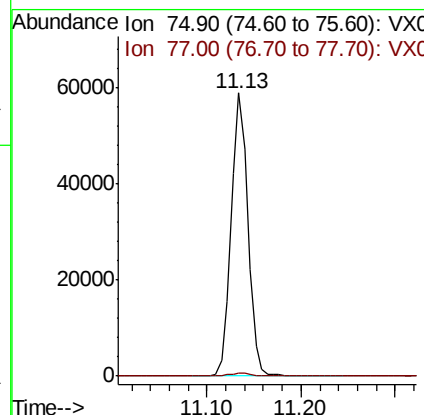
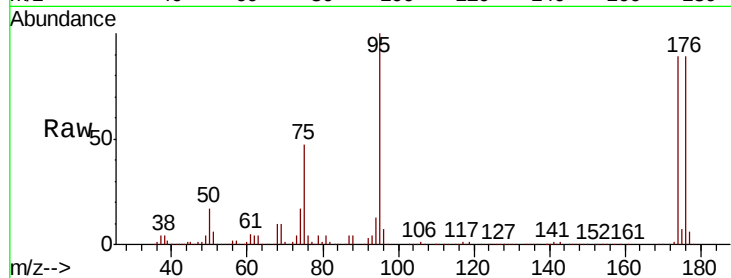




#76
 1,2,3-Trichloropropane
 Concen: 23.938 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

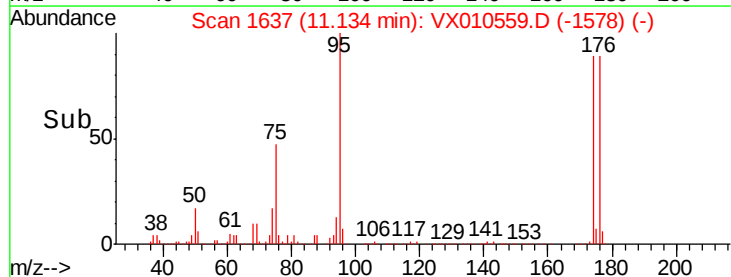
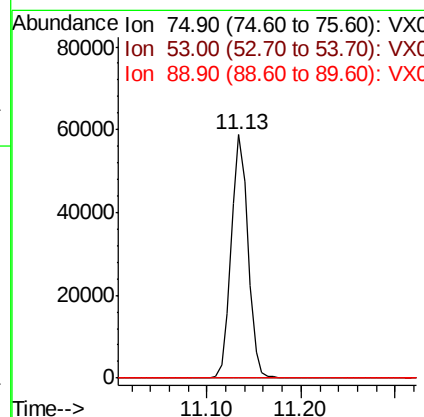
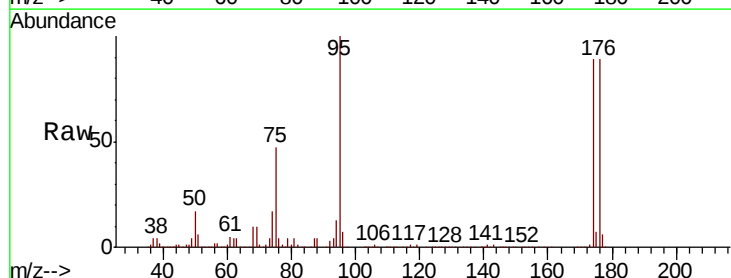
Instrument :
 MSVOA_X
 ClientSampleId :
 LT-4

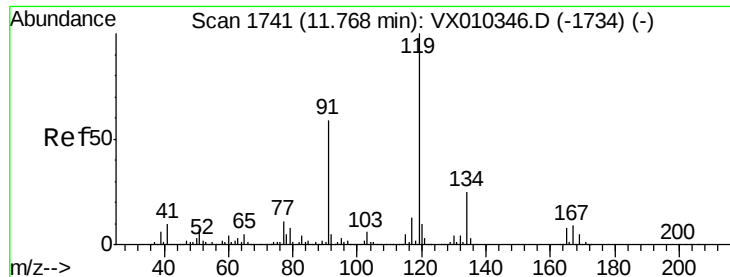
Tot Ion: 75 Resp: 73103
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.845 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010559.D
 Acq: 29 Jun 2019 01:31

Tgt Ion: 75 Resp: 73103
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.1 99.1#
 89 0.0 37.8 56.6#

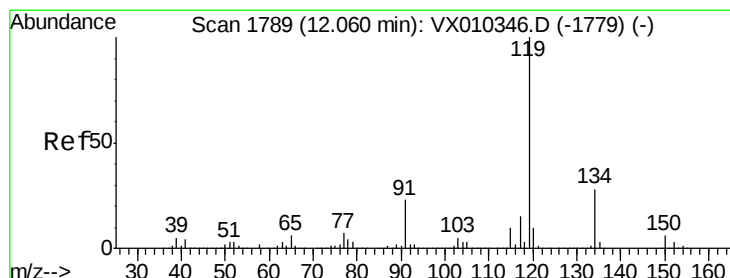
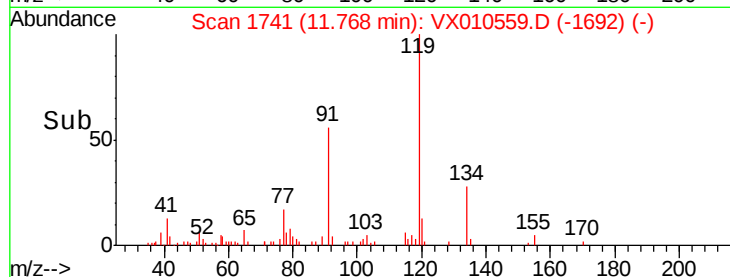
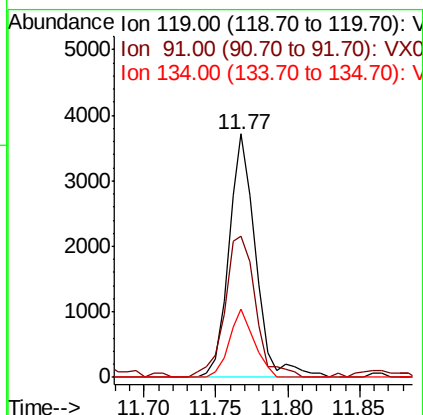
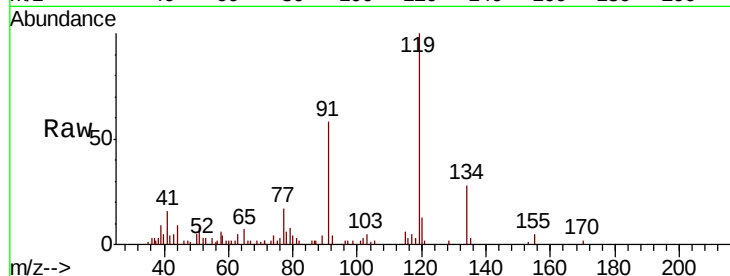




#83
tert-Butylbenzene
Concen: 0.516 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

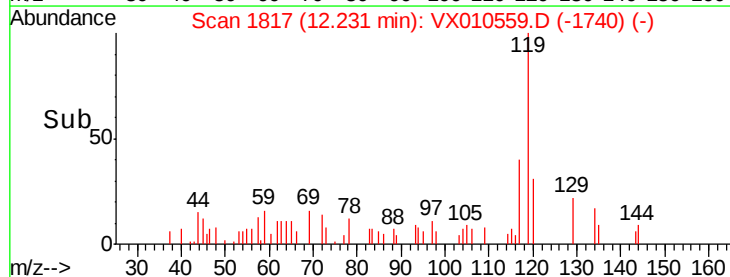
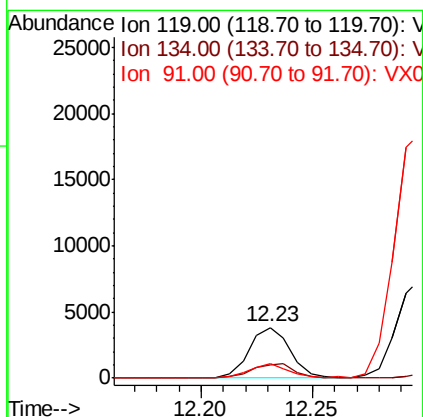
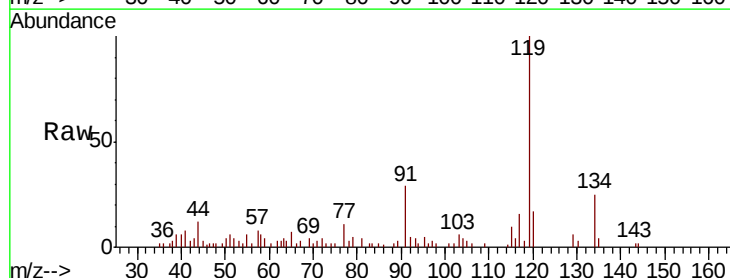
Instrument :
MSVOA_X
ClientSampled :
LT-4

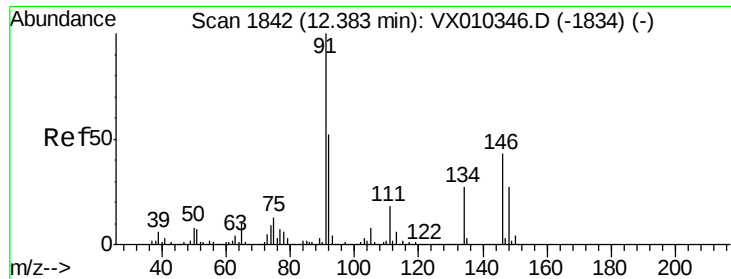
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	27.6	82.7
134	26.0	11.8	35.4



#86
p-Isopropyltoluene
Concen: 0.483 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.5	13.7	41.1
91	28.3	11.3	33.8

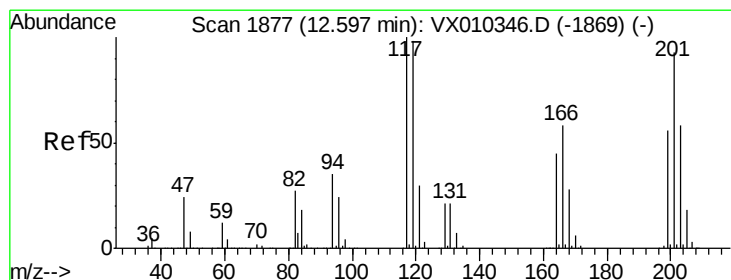
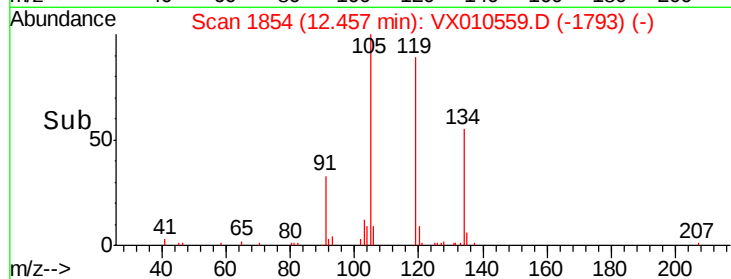
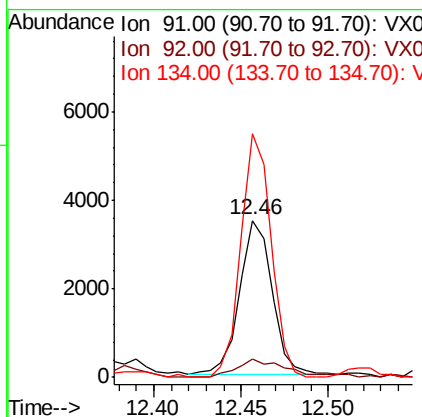
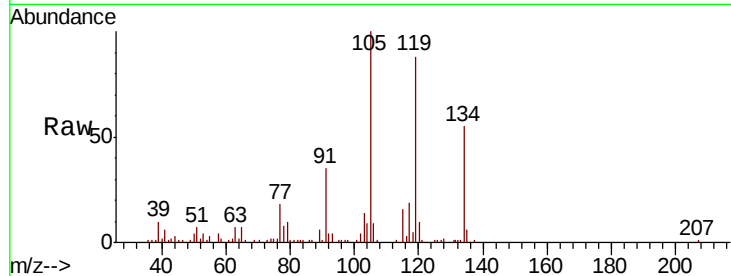




#89
n-Butylbenzene
Concen: 0.532 ug/l
RT: 12.46 min Scan# 1854
Delta R.T. 0.07 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Instrument :
MSVOA_X
ClientSampled :
LT-4

Tot Ion: 91 Resp: 4615
Ion Ratio Lower Upper
91 100
92 17.7 26.2 78.5#
134 143.7 14.1 42.4#



#90
Hexachloroethane
Concen: 2.954 ug/l
RT: 12.67 min Scan# 1889
Delta R.T. 0.07 min
Lab File: VX010559.D
Acq: 29 Jun 2019 01:31

Tgt Ion: 117 Resp: 5214
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#

