

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081119\
 Data File : VX011459.D
 Acq On : 12 Aug 2019 03:08
 Operator : JC/SP
 Sample : K4294-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-5124

Quant Time: Aug 12 07:58:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

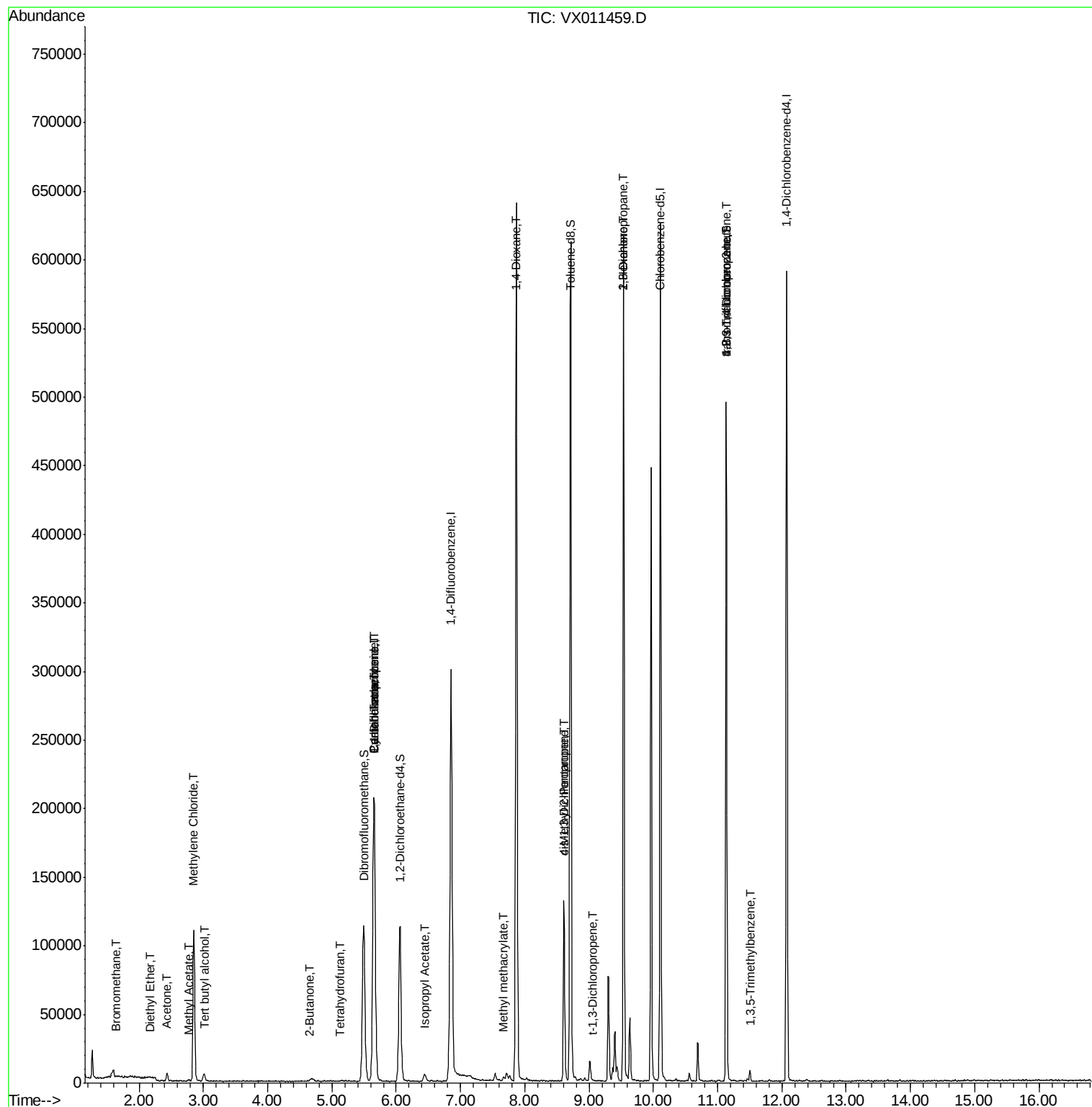
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	205166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302715	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109086	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
35) Dibromofluoromethane	5.49	113	94156	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	8.71	98	365569	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	118927	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	357	0.256	ug/l #	80
6) Chloroethane	1.72	64	243	Below Cal		98
8) Diethyl Ether	2.18	74	293	0.236	ug/l	83
11) Tert butyl alcohol	3.01	59	3182	7.745	ug/l #	74
13) Acrolein	2.26	56	93	Below Cal		92
16) Acetone	2.43	43	5266	5.355	ug/l	90
18) Methyl Acetate	2.77	43	1338	0.595	ug/l	94
20) Methylene Chloride	2.85	84	52129	24.204	ug/l	95
25) 2-Butanone	4.64	43	331	0.237	ug/l #	46
29) Tetrahydrofuran	5.13	42	336	0.392	ug/l #	66
31) Cyclohexane	5.65	56	4164	1.565	ug/l #	39
36) 1,1-Dichloropropene	5.65	75	13771	5.210	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19815	7.452	ug/l #	15
43) Isopropyl Acetate	6.45	43	8015	1.891	ug/l	96
48) Methyl methacrylate	7.67	41	3338	1.673	ug/l #	10
49) 1,4-Dioxane	7.87	88	131	2.265	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	40954	14.972	ug/l #	48
53) t-1,3-Dichloropropene	9.06	75	123	2.878	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	19920	6.755	ug/l #	66
57) 1,3-Dichloropropane	9.54	76	5251	1.549	ug/l #	42
59) 2-Hexanone	9.54	43	69964	33.022	ug/l #	50
76) 1,2,3-Trichloropropane	11.13	75	61374	27.178	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.51	105	2703	0.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	61374	70.530	ug/l #	10

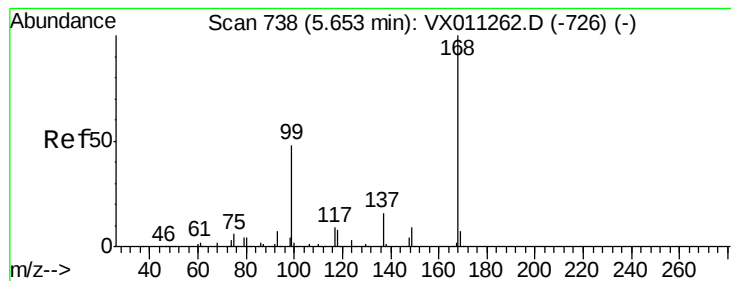
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

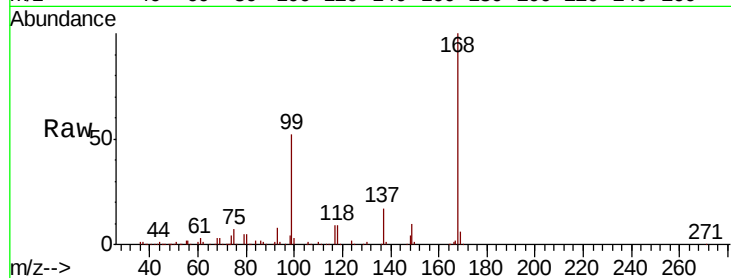
RT-5124

Tgt Ion:168 Resp: 205166

Ion Ratio Lower Upper

168 100

99 51.6 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

60000

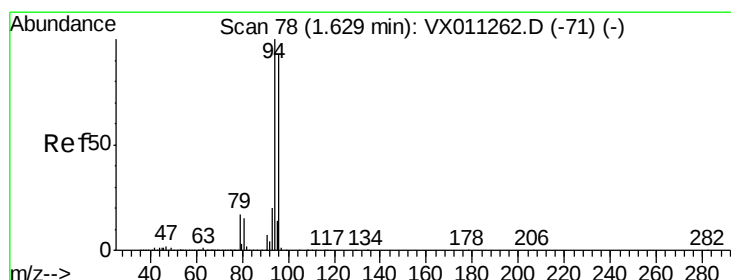
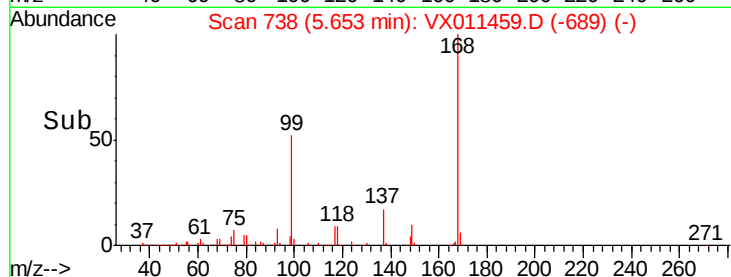
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011459.D

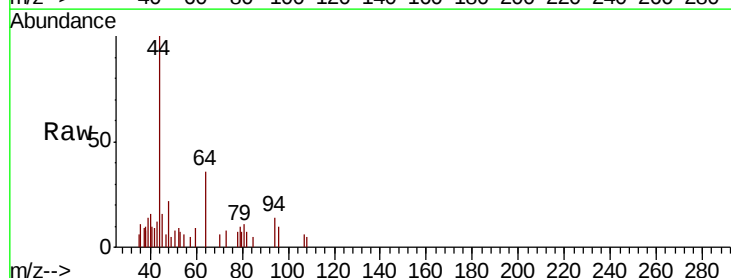
Acq: 12 Aug 2019 03:08

Tgt Ion: 94 Resp: 357

Ion Ratio Lower Upper

94 100

96 74.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150

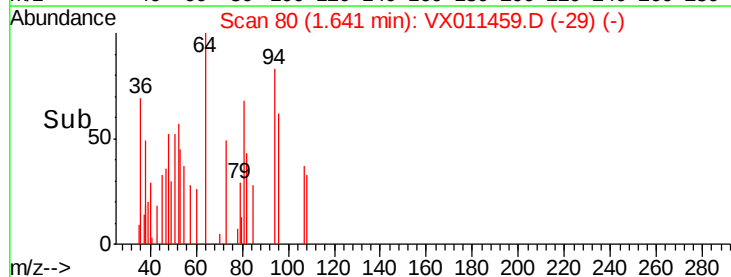
100

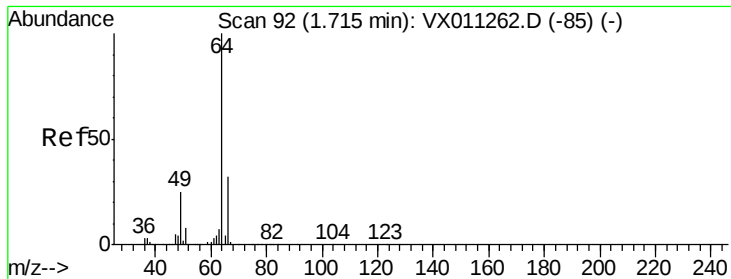
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

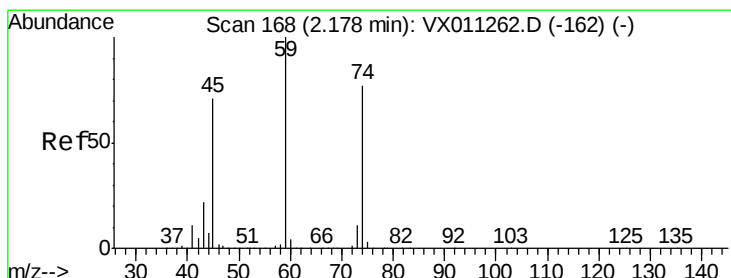
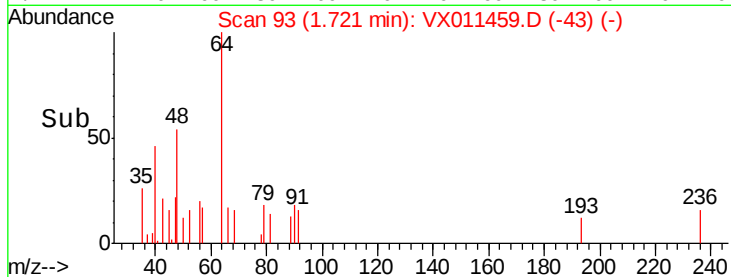
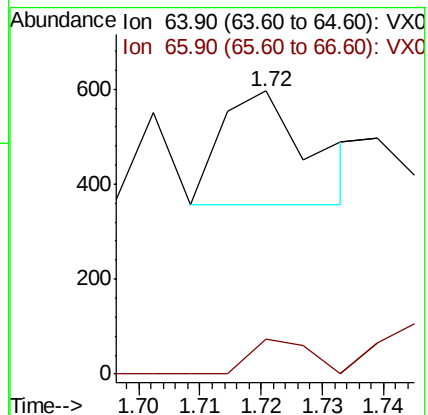
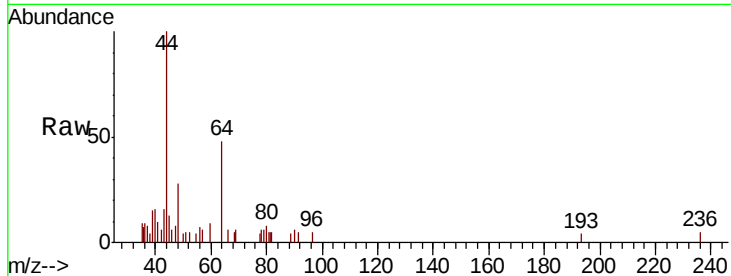
Instrument :
MSVOA_X
ClientSampled :
RT-5124

Tgt Ion: 64 Resp: 243

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7



#8

Diethyl Ether

Concen: 0.236 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011459.D

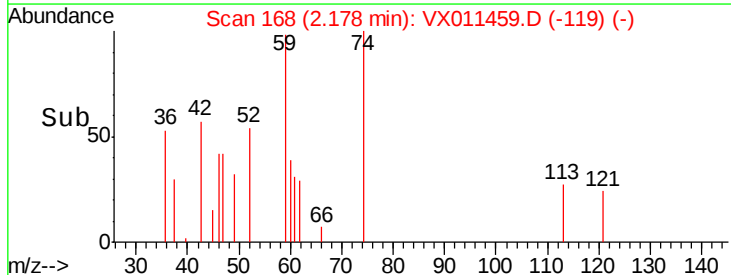
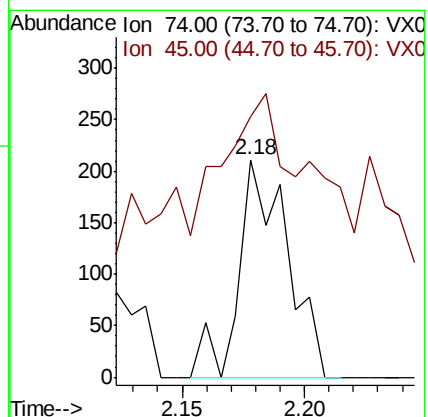
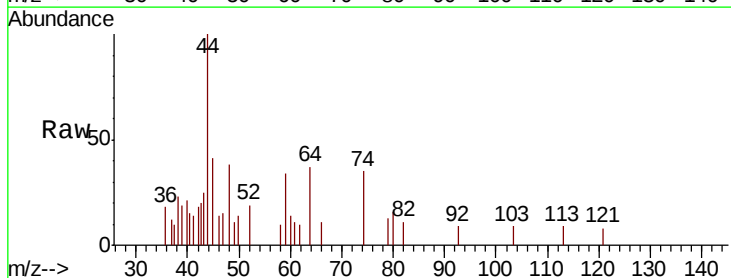
Acq: 12 Aug 2019 03:08

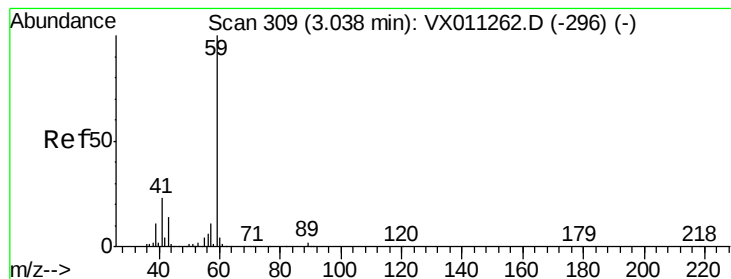
Tgt Ion: 74 Resp: 293

Ion Ratio Lower Upper

74 100

45 108.5 46.1 138.3



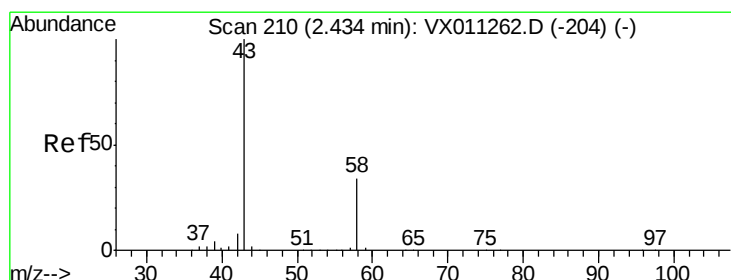
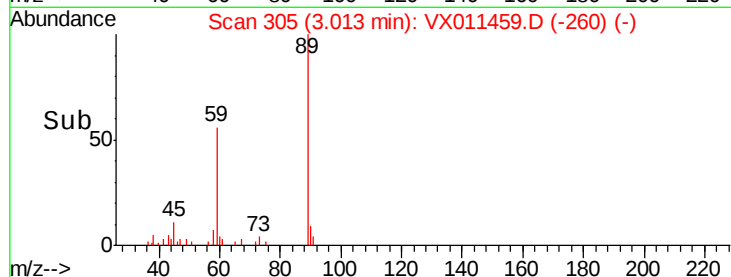
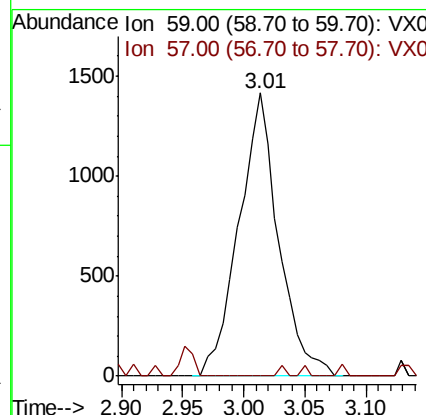
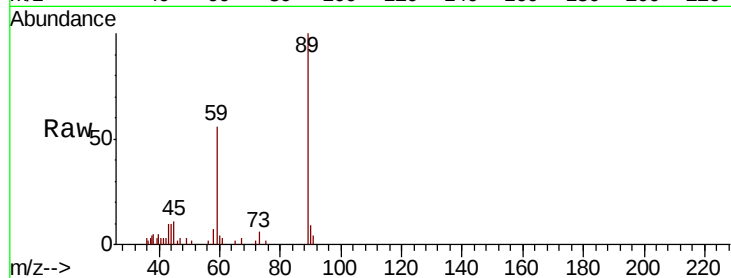


#11

Tert butyl alcohol
 Concen: 7.745 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.02 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-5124

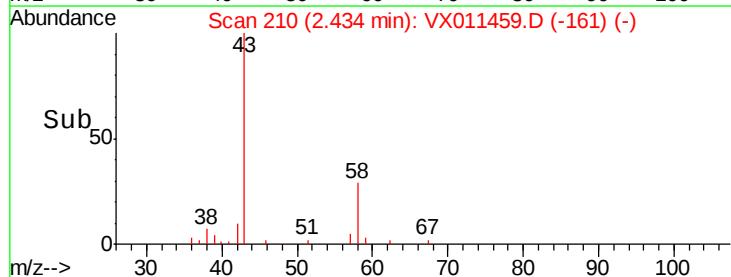
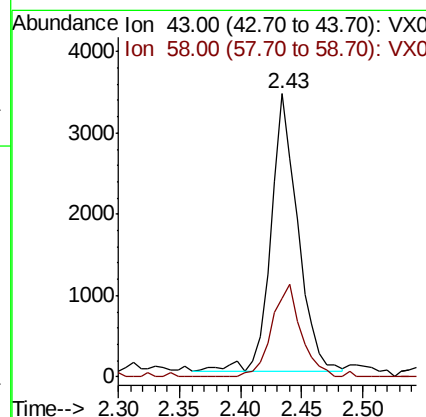
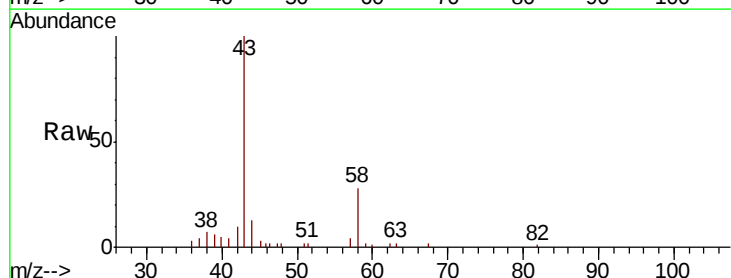
Tgt Ion: 59 Resp: 3182
 Ion Ratio Lower Upper
 59 100
 57 0.6 8.3 12.5#

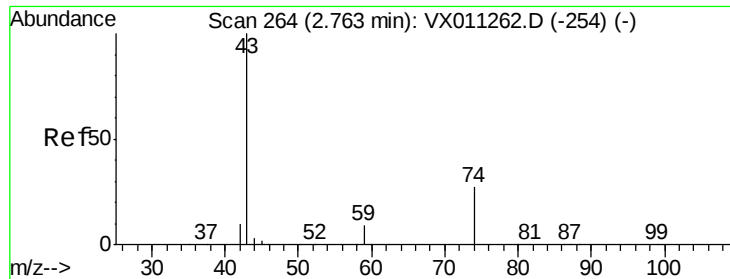


#16

Acetone
 Concen: 5.355 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

Tgt Ion: 43 Resp: 5266
 Ion Ratio Lower Upper
 43 100
 58 28.5 27.4 41.0

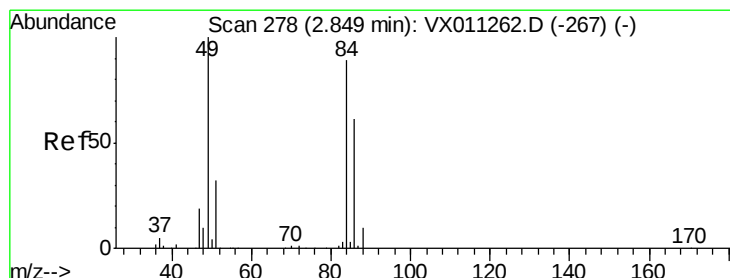
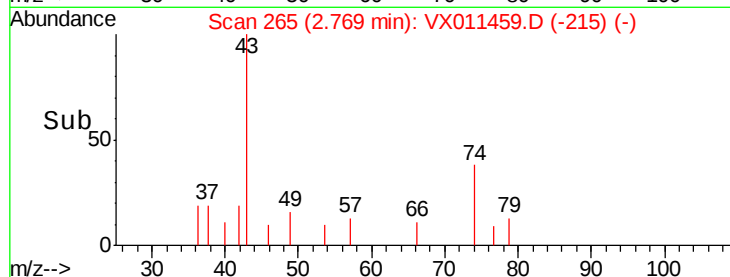
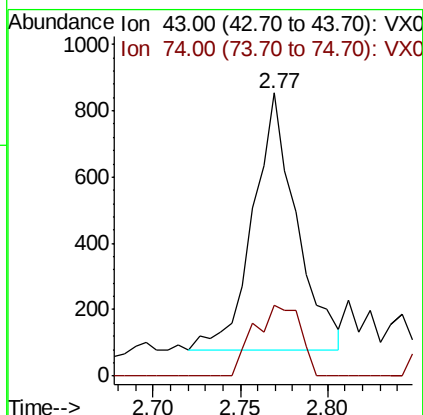
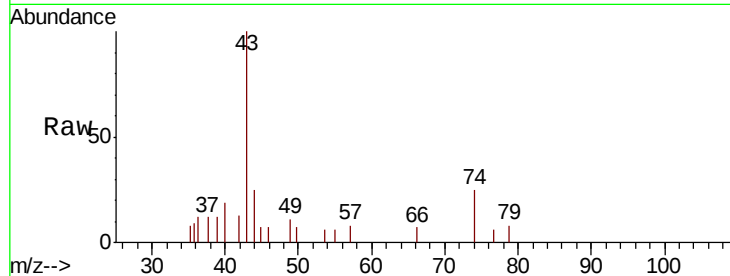




#18
Methyl Acetate
Concen: 0.595 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

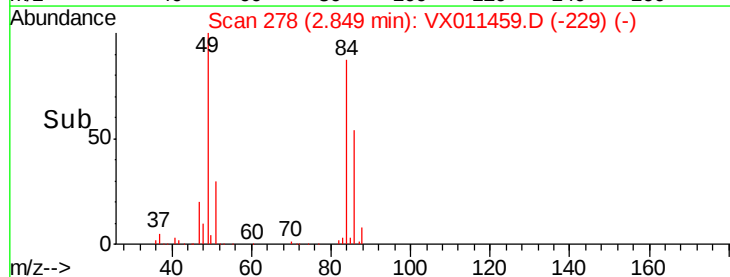
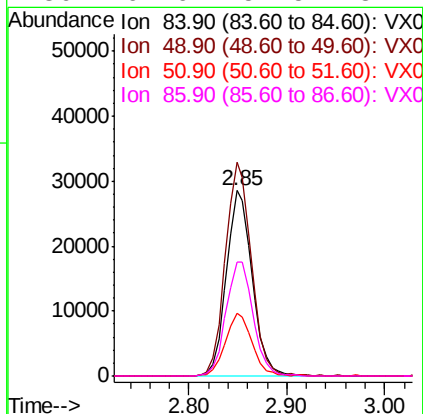
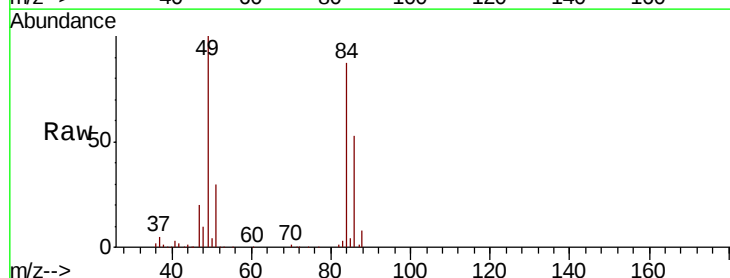
Instrument :
MSVOA_X
ClientSampleId :
RT-5124

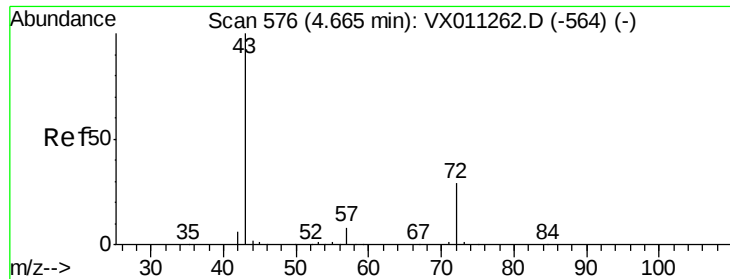
Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
74 29.2 21.0 31.6



#20
Methylene Chloride
Concen: 24.204 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

Tgt Ion: 84 Resp: 52129
Ion Ratio Lower Upper
84 100
49 115.2 89.3 133.9
51 34.1 28.3 42.5
86 61.6 54.5 81.7





#25

2-Butanone

Concen: 0.237 ug/l

RT: 4.64 min Scan# 572

Delta R.T. -0.02 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampled :

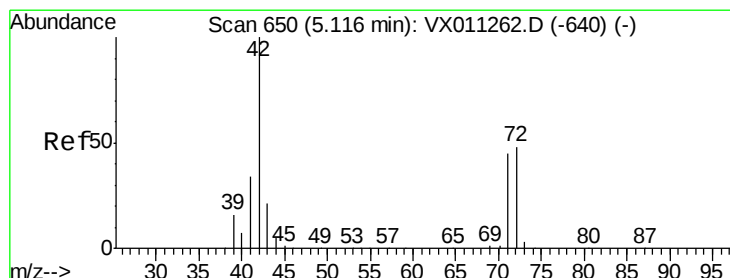
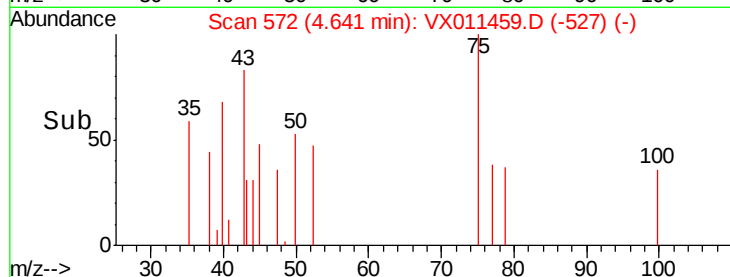
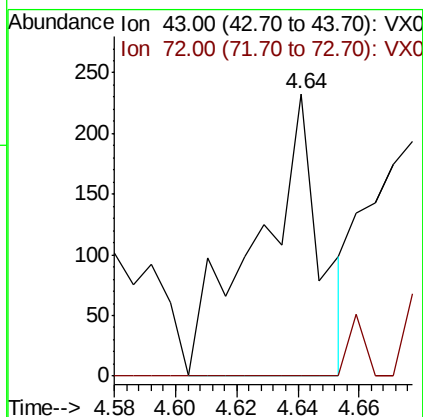
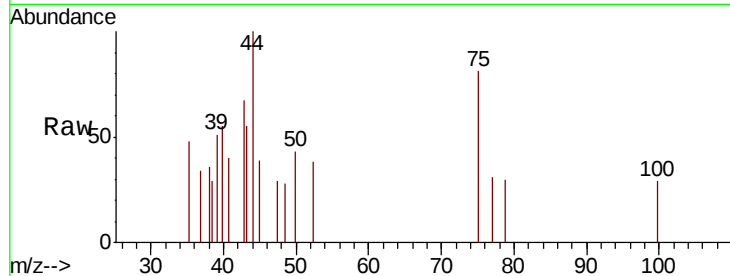
RT-5124

Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#29

Tetrahydrofuran

Concen: 0.392 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

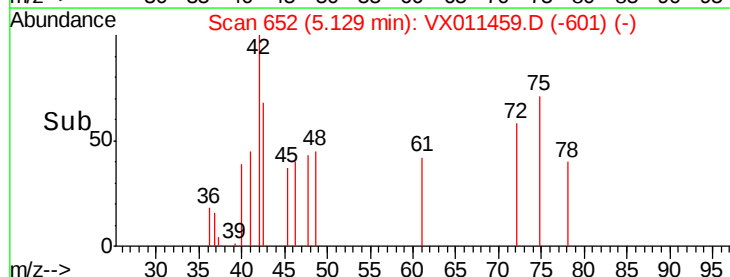
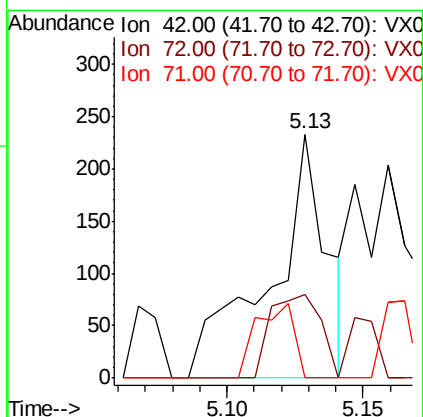
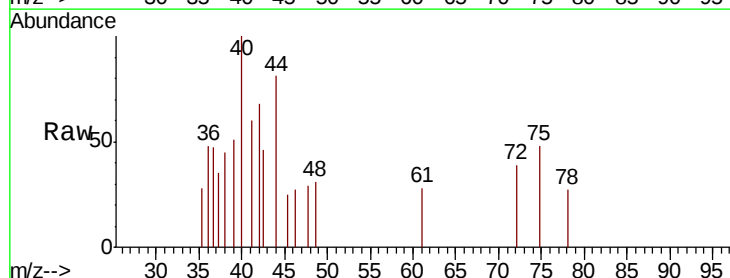
Tgt Ion: 42 Resp: 336

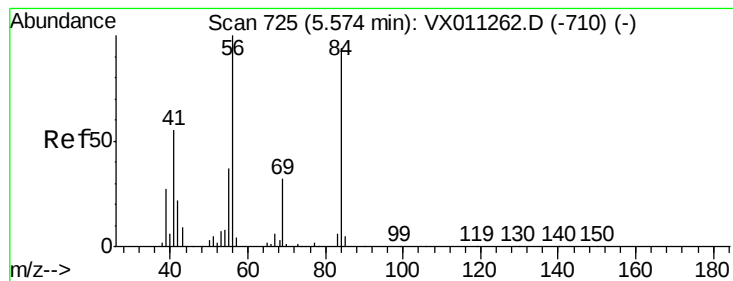
Ion Ratio Lower Upper

42 100

72 30.4 39.9 59.9#

71 20.2 36.9 55.3#





#31

Cyclohexane

Concen: 1.565 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

RT-5124

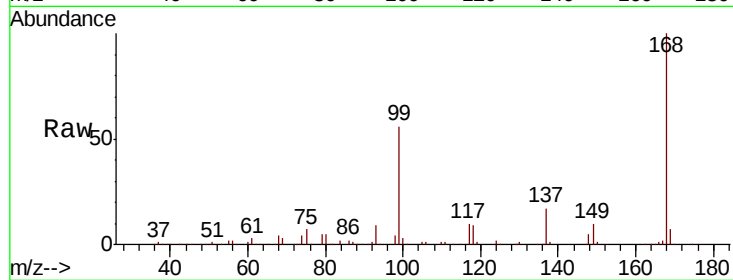
Tgt Ion: 56 Resp: 4164

Ion Ratio Lower Upper

56 100

69 140.8 25.5 38.3#

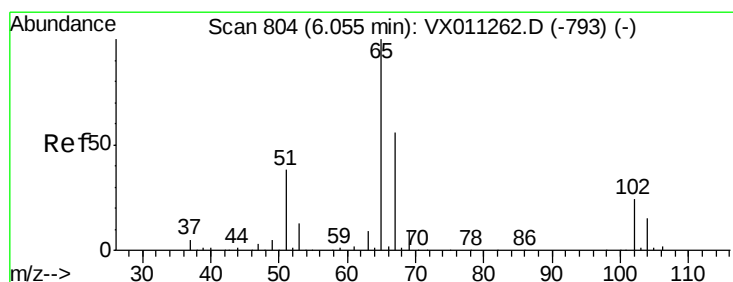
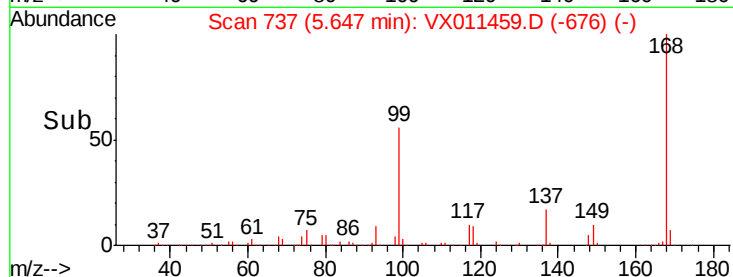
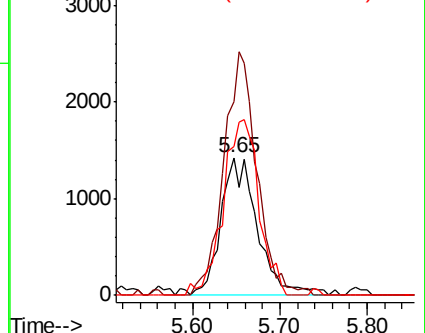
84 108.1 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.797 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.01 min

Lab File: VX011459.D

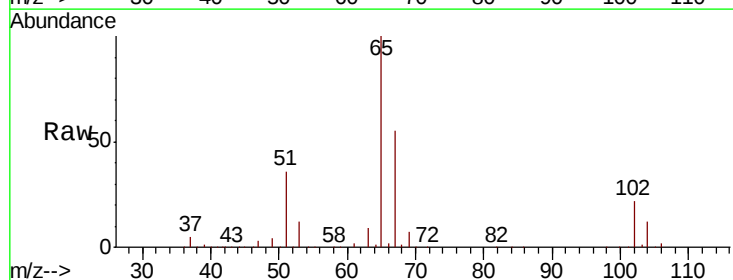
Acq: 12 Aug 2019 03:08

Tgt Ion: 65 Resp: 109086

Ion Ratio Lower Upper

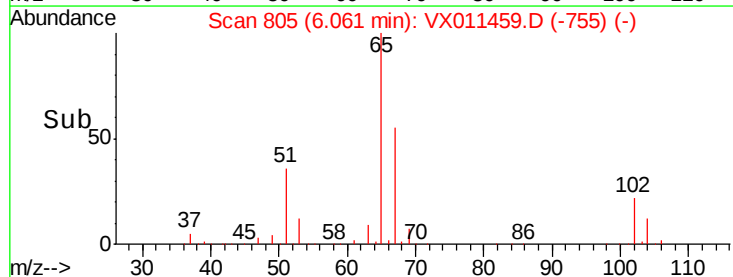
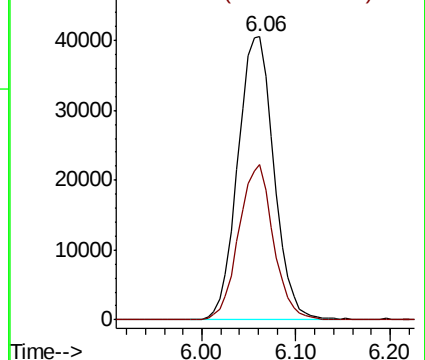
65 100

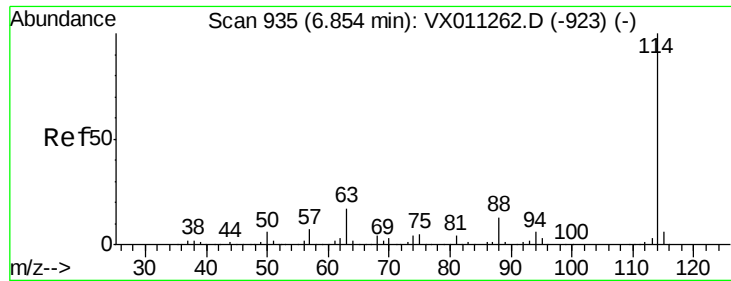
67 52.4 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

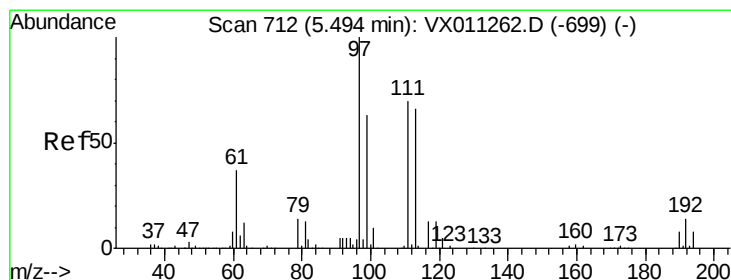
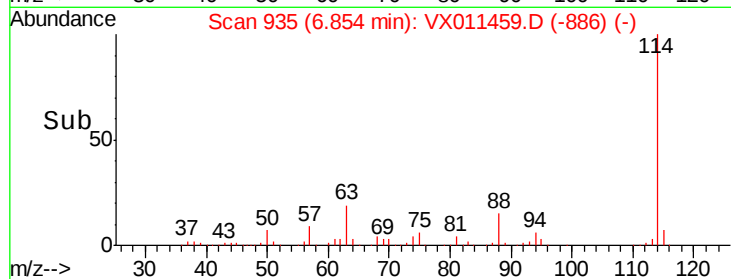
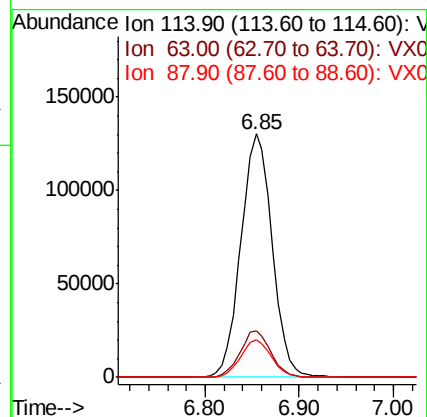
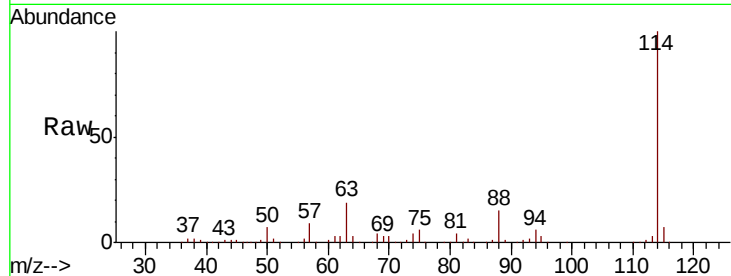




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

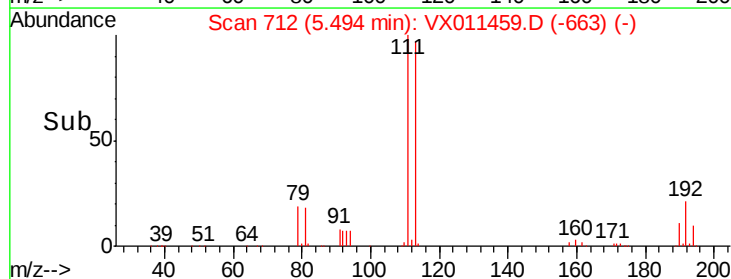
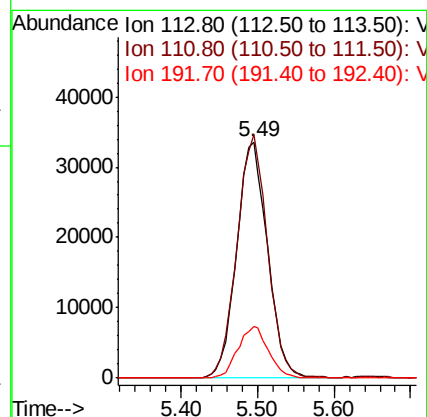
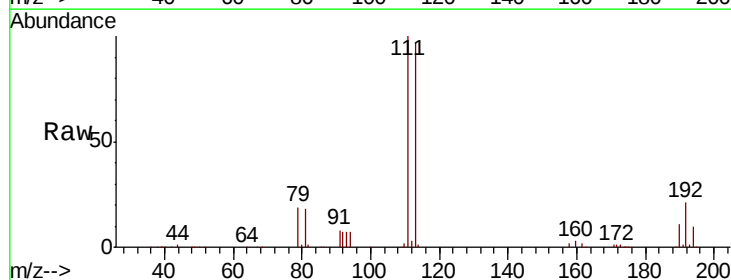
Instrument :
MSVOA_X
ClientSampleId :
RT-5124

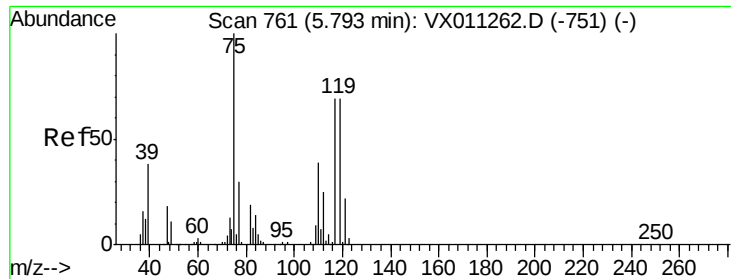
Tgt Ion:114 Resp: 302715
Ion Ratio Lower Upper
114 100
63 19.2 0.0 34.0
88 15.3 0.0 26.4



#35
Dibromofluoromethane
Concen: 47.641 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

Tgt Ion:113 Resp: 94156
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 21.4 17.8 26.8

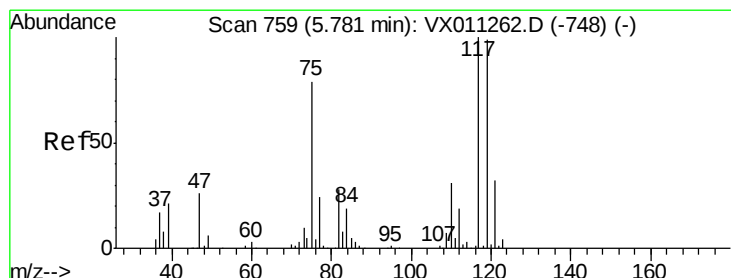
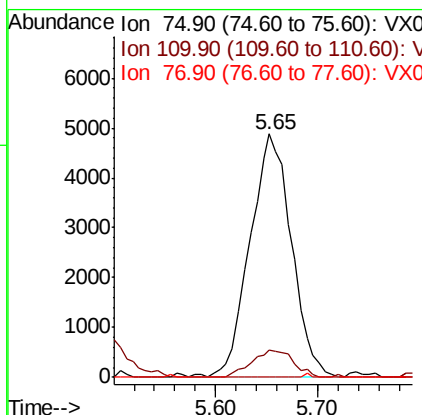
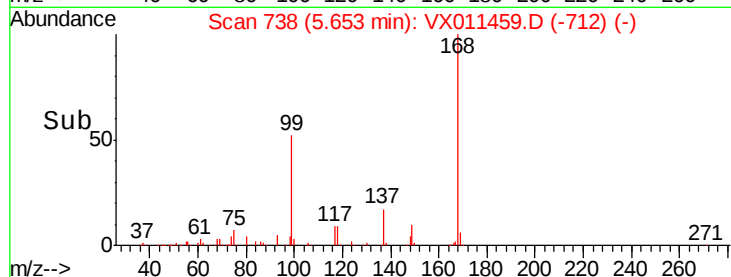
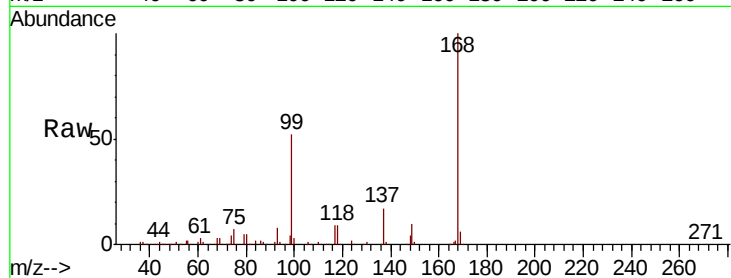




#36
 1,1-Dichloropropene
 Concen: 5.210 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

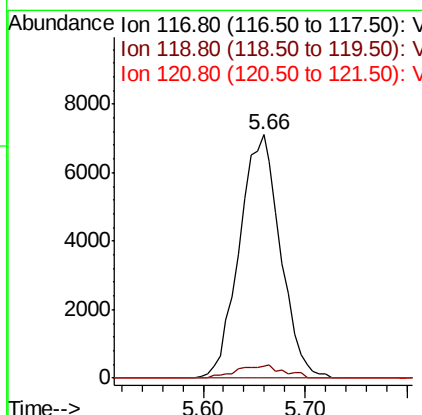
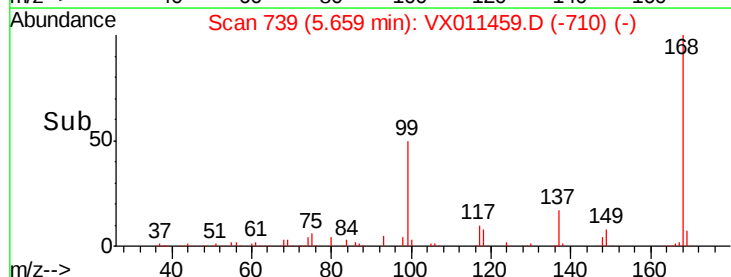
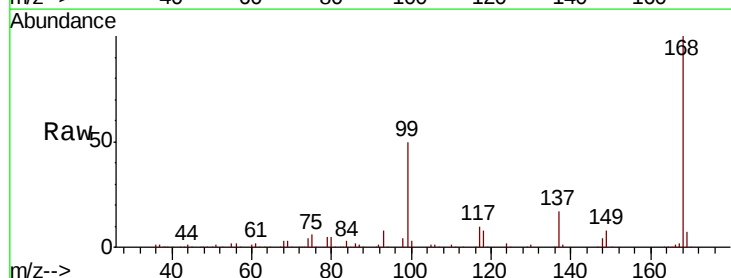
Instrument :
 MSVOA_X
 ClientSampleID :
 RT-5124

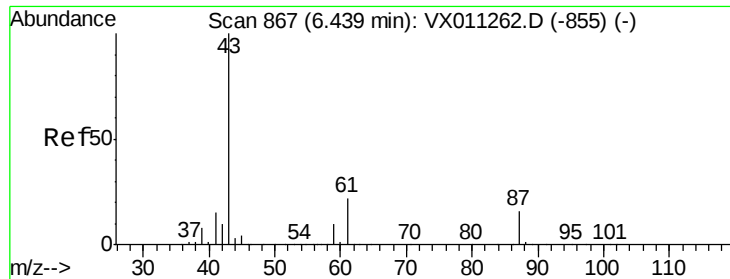
Tgt Ion: 75 Resp: 13771
 Ion Ratio Lower Upper
 75 100
 110 11.4 20.0 59.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 7.452 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

Tgt Ion: 117 Resp: 19815
 Ion Ratio Lower Upper
 117 100
 119 4.8 79.0 118.4#
 121 0.0 25.9 38.9#





#43

Isopropyl Acetate

Concen: 1.891 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

RT-5124

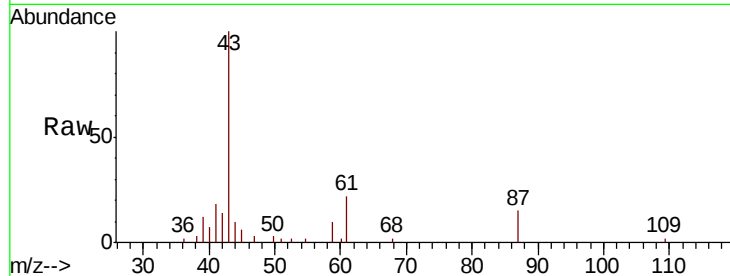
Tgt Ion: 43 Resp: 8015

Ion Ratio Lower Upper

43 100

61 23.1 16.5 24.7

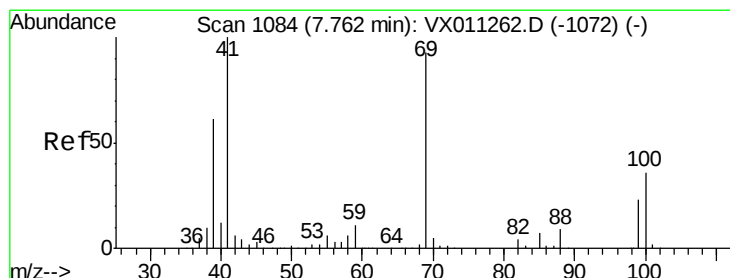
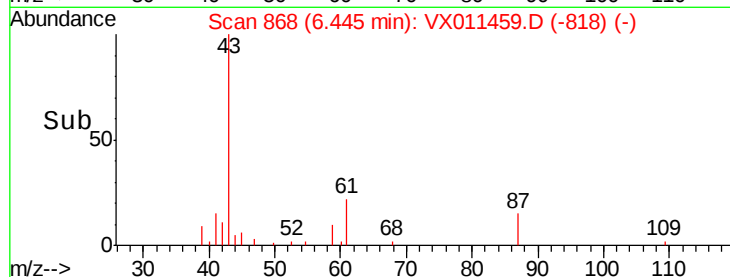
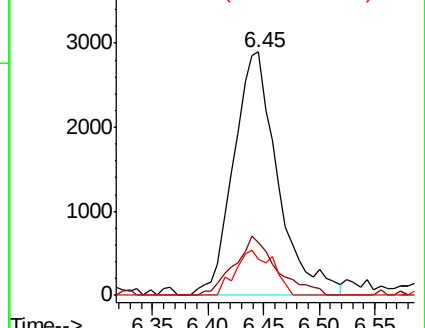
87 15.7 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.673 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.09 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

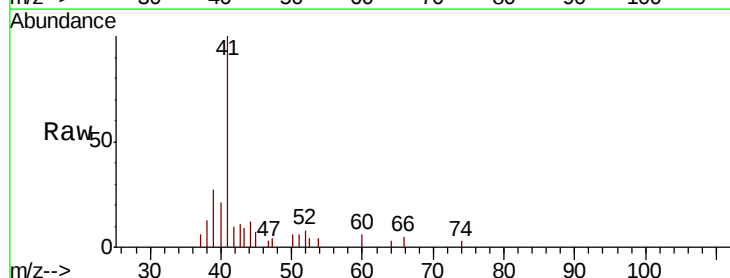
Tgt Ion: 41 Resp: 3338

Ion Ratio Lower Upper

41 100

69 0.0 74.5 111.7#

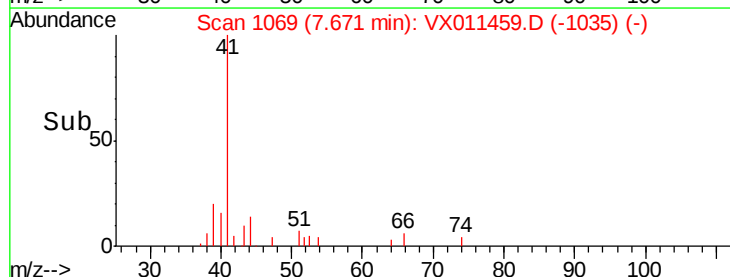
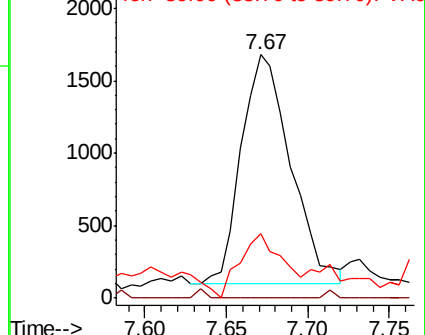
39 0.0 48.6 72.8#

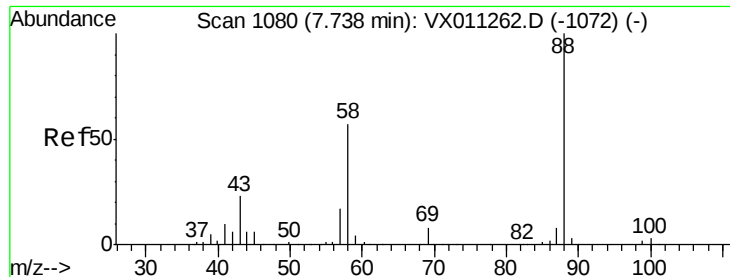


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.265 ug/l

RT: 7.87 min Scan# 1101

Delta R.T. 0.13 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

RT-5124

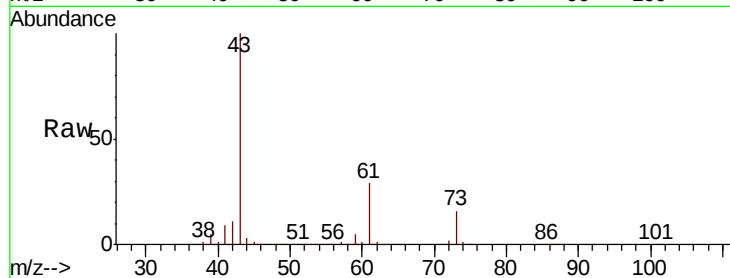
Tgt Ion: 88 Resp: 131

Ion Ratio Lower Upper

88 100

43 446429.8 22.2 33.2#

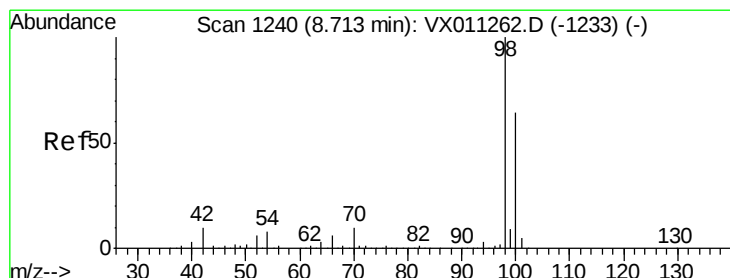
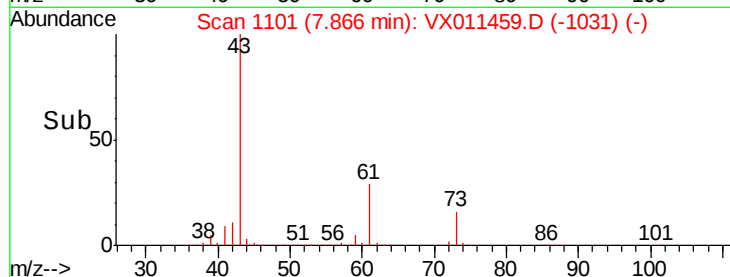
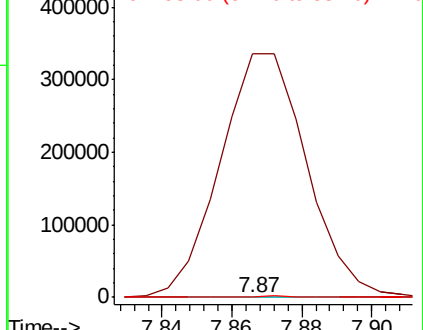
58 2332.8 47.8 71.8#



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: 49.003 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011459.D

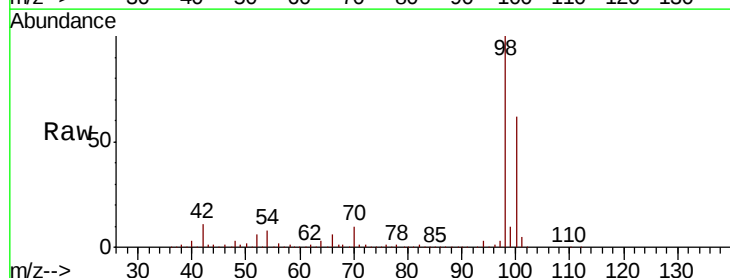
Acq: 12 Aug 2019 03:08

Tgt Ion: 98 Resp: 365569

Ion Ratio Lower Upper

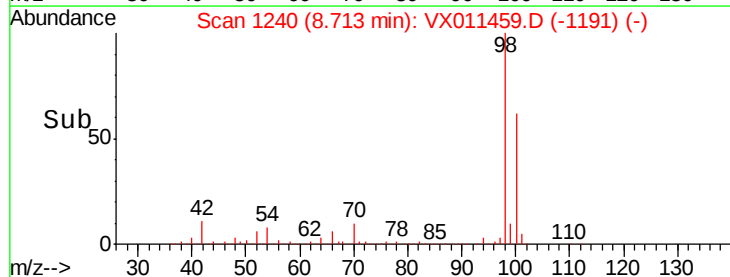
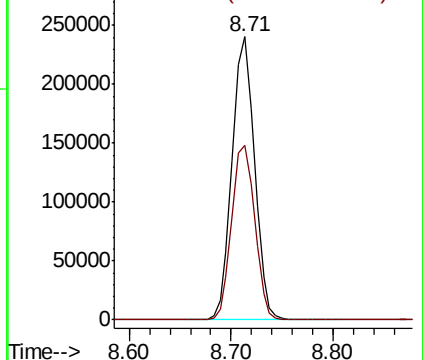
98 100

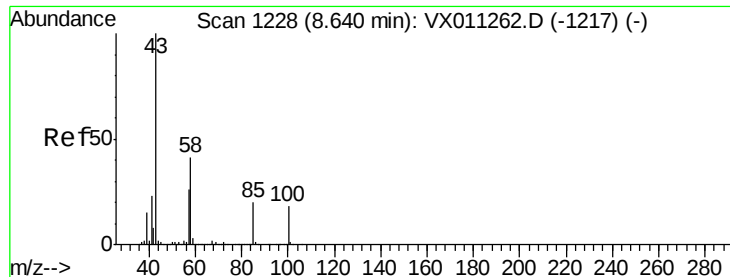
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

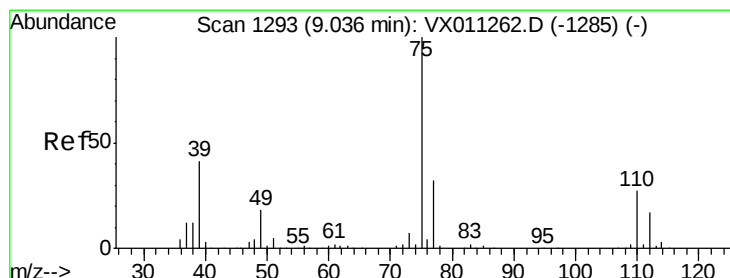
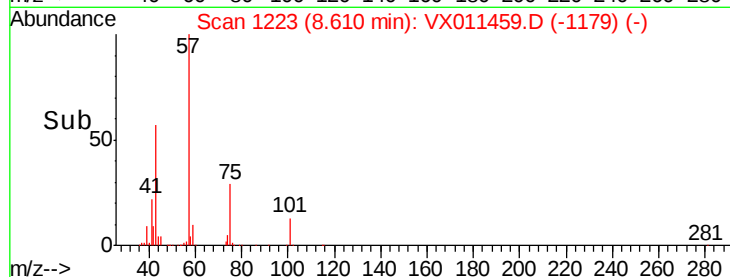
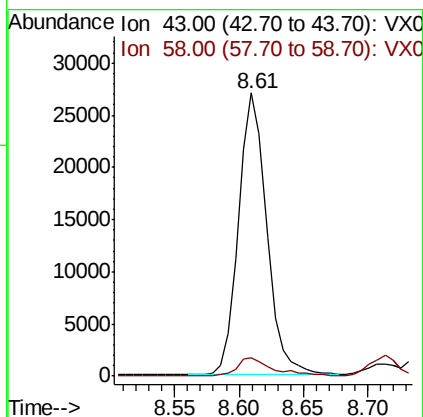
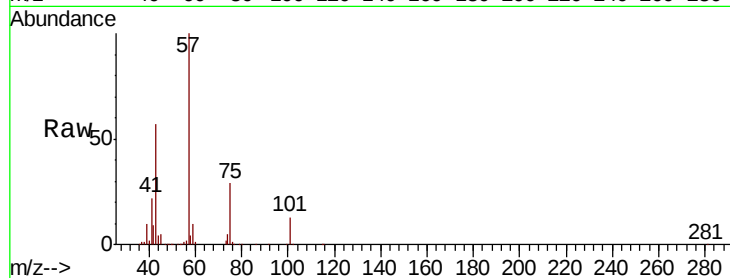




#51
 4-Methyl-2-Pentanone
 Concen: 14.972 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

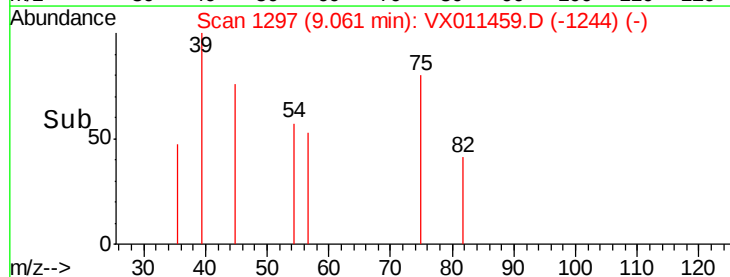
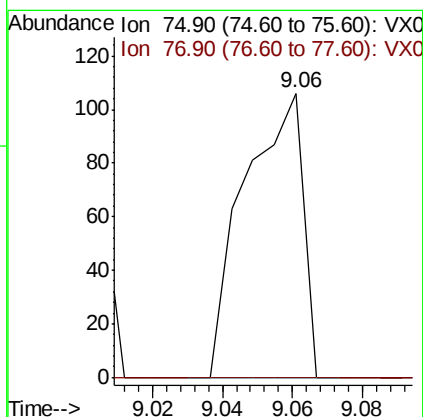
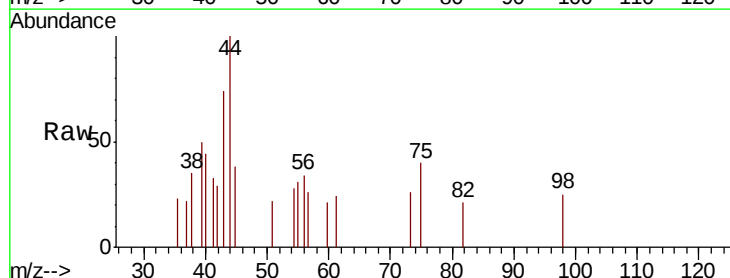
Instrument :
 MSVOA_X
 ClientSampled :
 RT-5124

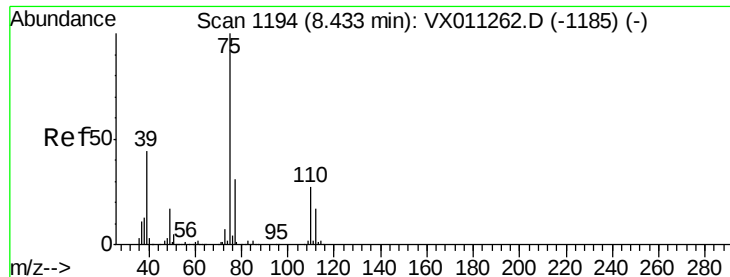
Tgt Ion: 43 Resp: 40954
 Ion Ratio Lower Upper
 43 100
 58 8.3 32.3 48.5#



#53
 t-1,3-Dichloropropene
 Concen: 2.878 ug/l
 RT: 9.06 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

Tgt Ion: 75 Resp: 123
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#





#54

cis-1,3-Dichloropropene

Concen: 6.755 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

RT-5124

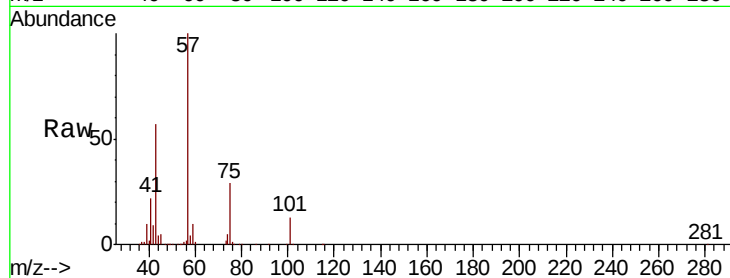
Tgt Ion: 75 Resp: 19920

Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.6#

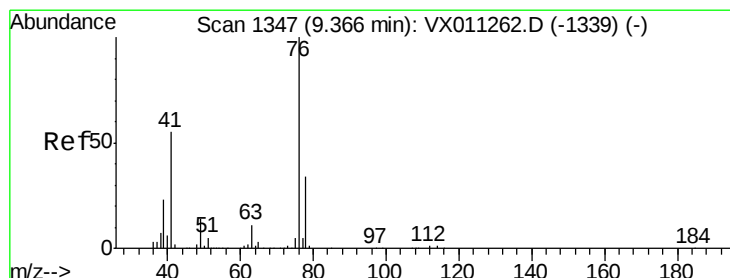
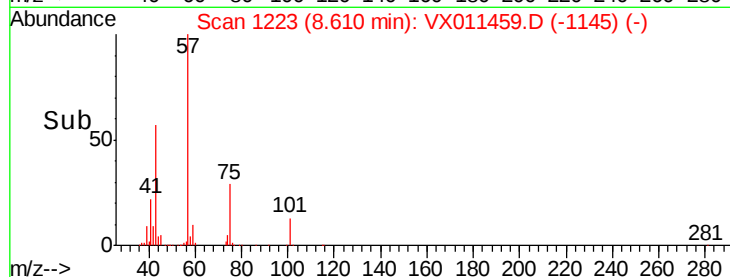
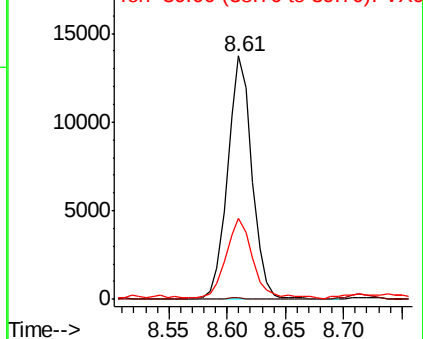
39 32.4 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.549 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.17 min

Lab File: VX011459.D

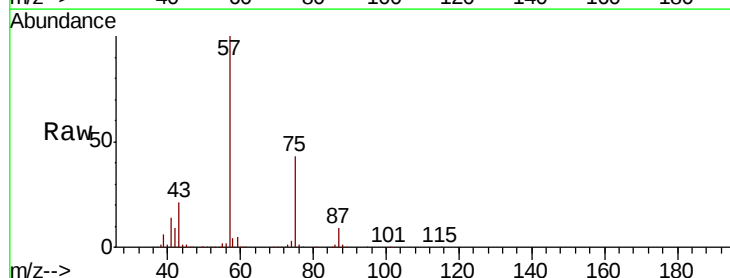
Acq: 12 Aug 2019 03:08

Tgt Ion: 76 Resp: 5251

Ion Ratio Lower Upper

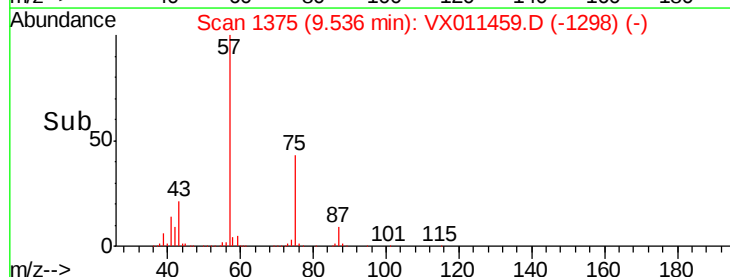
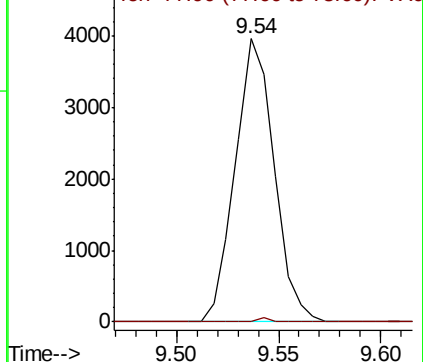
76 100

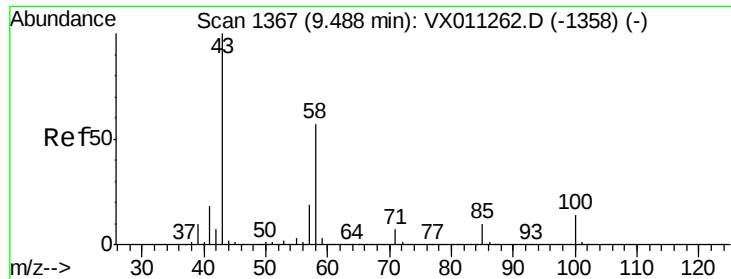
78 0.4 26.6 40.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

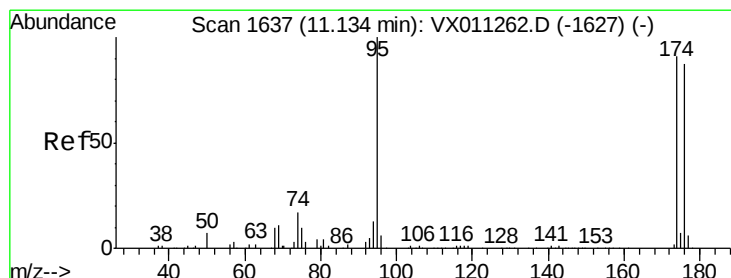
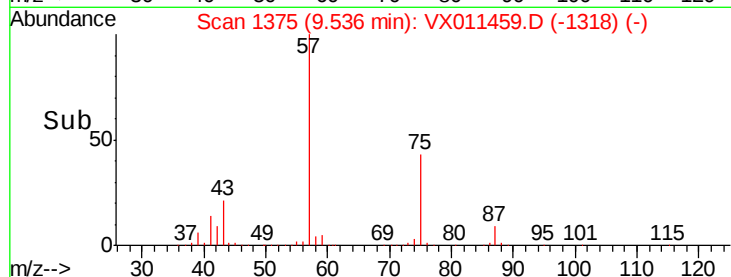
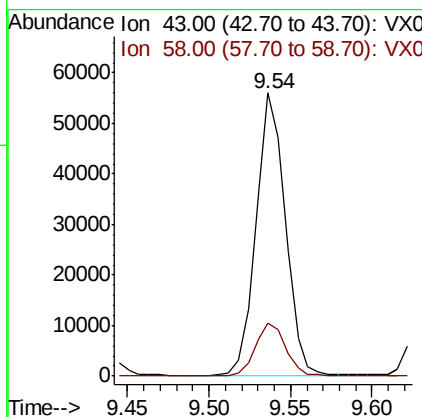
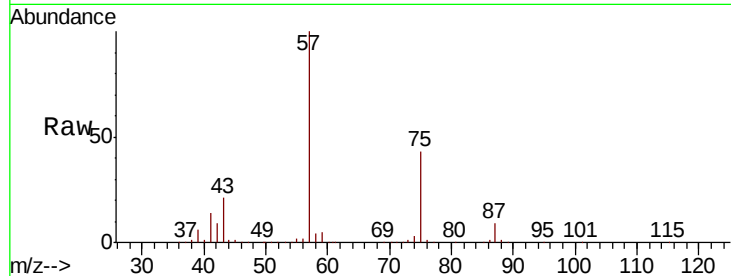




#59
2-Hexanone
Concen: 33.022 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

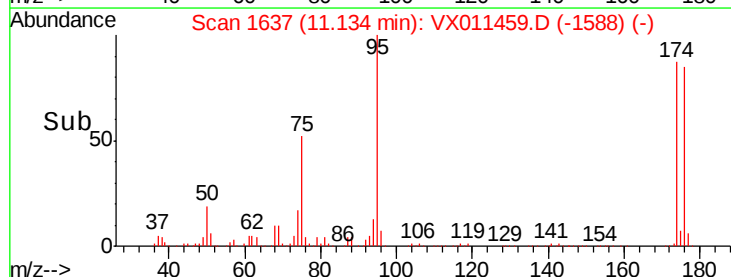
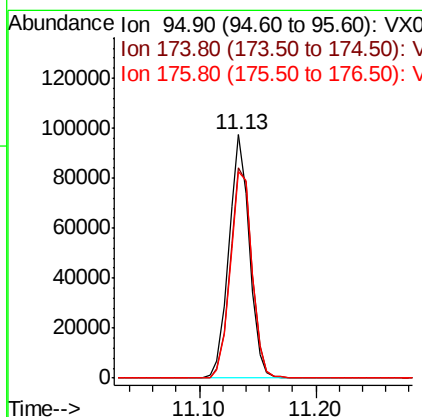
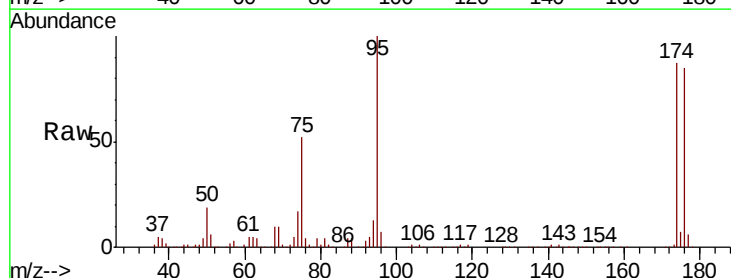
Instrument :
MSVOA_X
ClientSampleId :
RT-5124

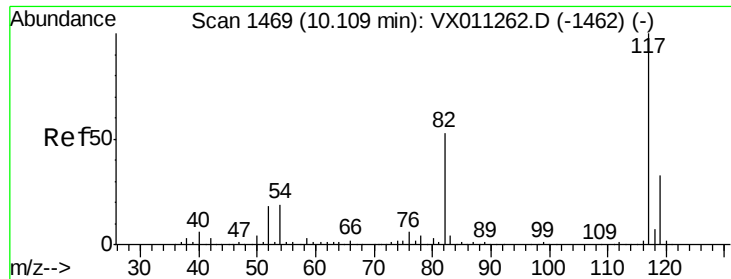
Tgt Ion: 43 Resp: 69964
Ion Ratio Lower Upper
43 100
58 19.8 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 44.651 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

Tgt Ion: 95 Resp: 118927
Ion Ratio Lower Upper
95 100
174 91.7 0.0 191.2
176 90.0 0.0 184.8

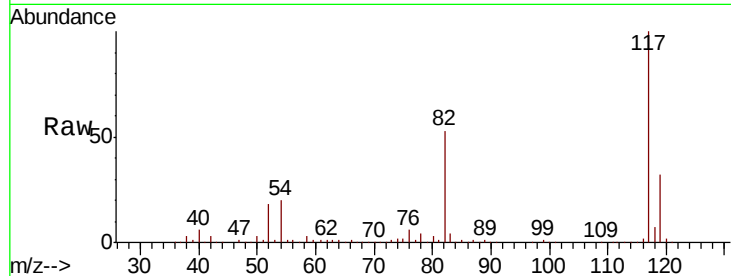




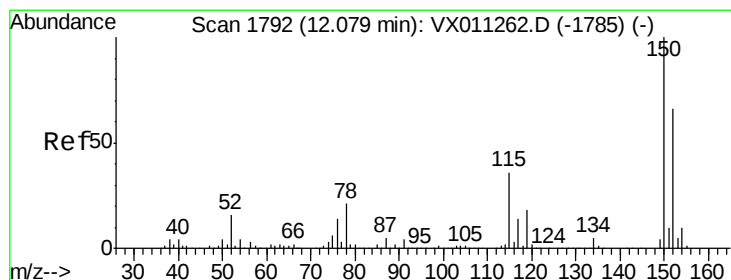
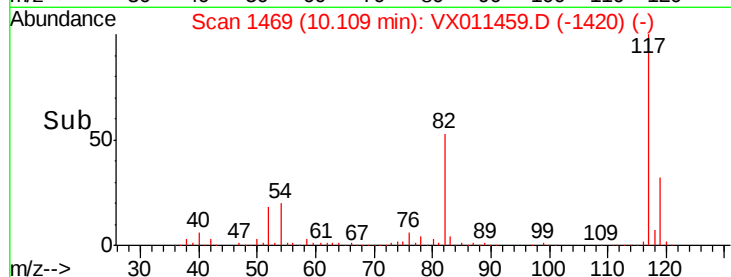
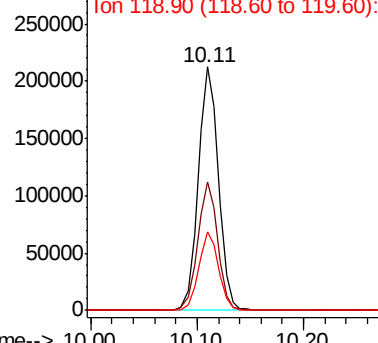
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

Instrument :
MSVOA_X
ClientSampled :
RT-5124

Tgt Ion:117 Resp: 280882
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.2
119 32.2 26.6 39.8

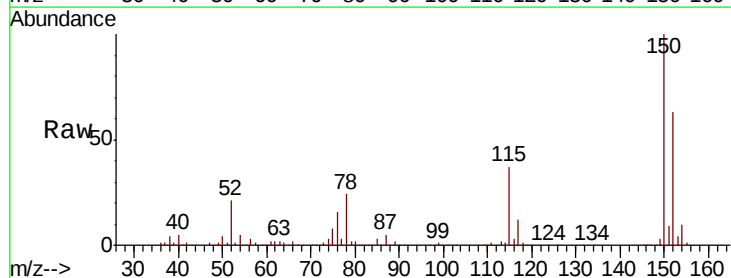


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

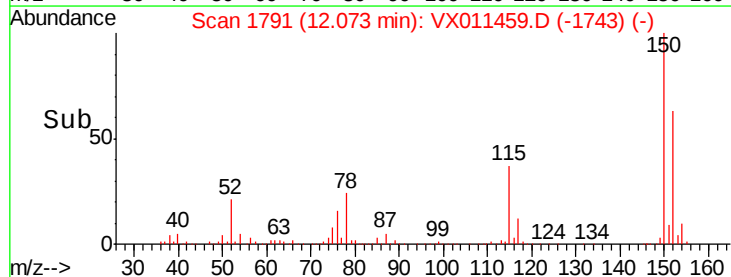
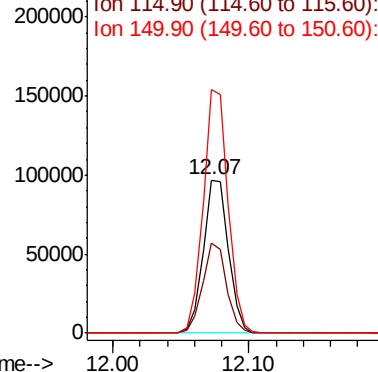


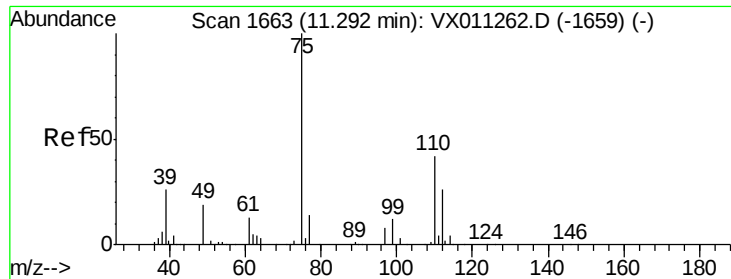
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011459.D
Acq: 12 Aug 2019 03:08

Tgt Ion:152 Resp: 124000
Ion Ratio Lower Upper
152 100
115 56.2 40.0 119.9
150 157.0 0.0 350.4



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

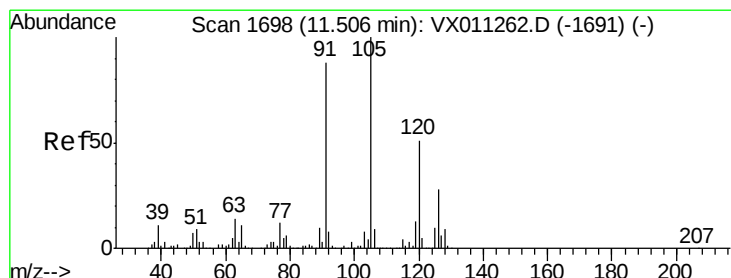
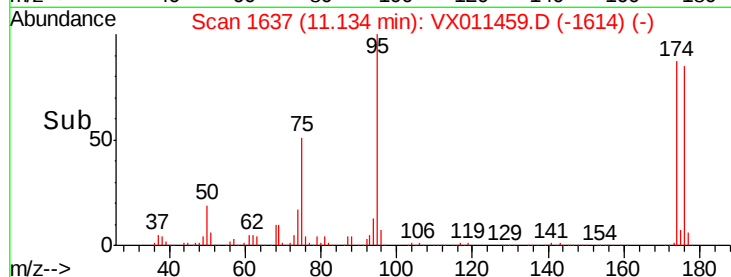
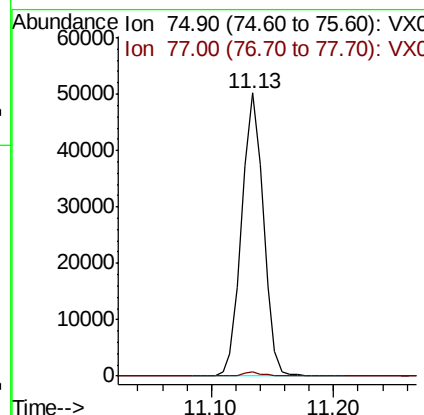
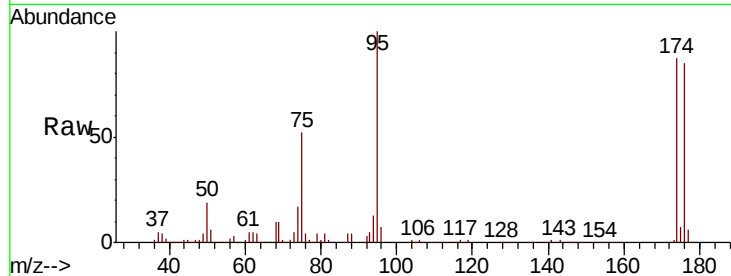




#76
 1,2,3-Trichloropropane
 Concen: 27.178 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

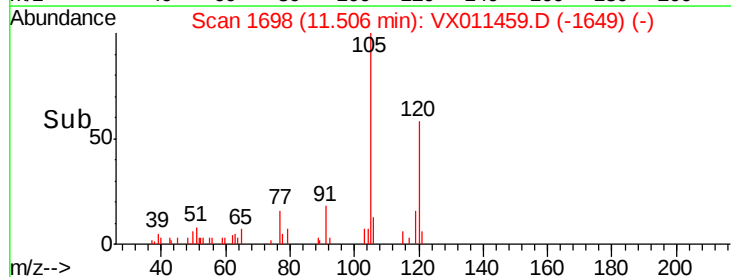
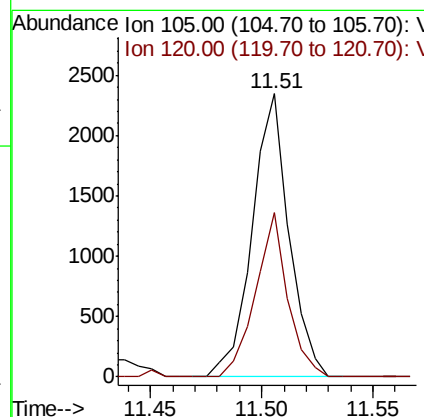
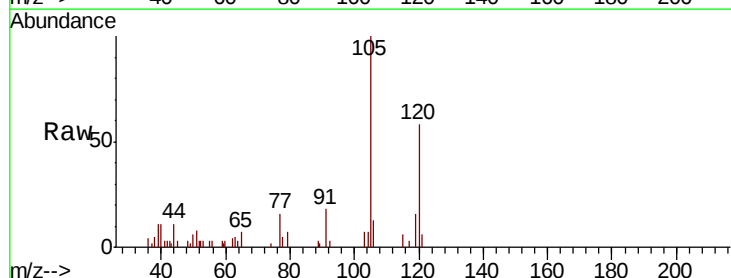
Instrument :
 MSVOA_X
 ClientSampled :
 RT-5124

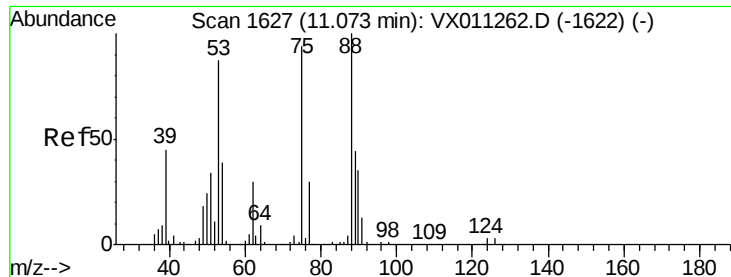
Tgt Ion: 75 Resp: 61374
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.1 63.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.381 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011459.D
 Acq: 12 Aug 2019 03:08

Tgt Ion: 105 Resp: 2703
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 70.530 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011459.D

Acq: 12 Aug 2019 03:08

Instrument :

MSVOA_X

ClientSampleId :

RT-5124

Tgt Ion: 75 Resp: 61374

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

