

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037506.D
 Acq On : 19 Aug 2021 19:53
 Operator : SY/AP
 Sample : M3480-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:22:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1353158	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4108419	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3543844	10.00	ppbv	0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.42	95	2350124	9.33	ppbv	0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.30%	

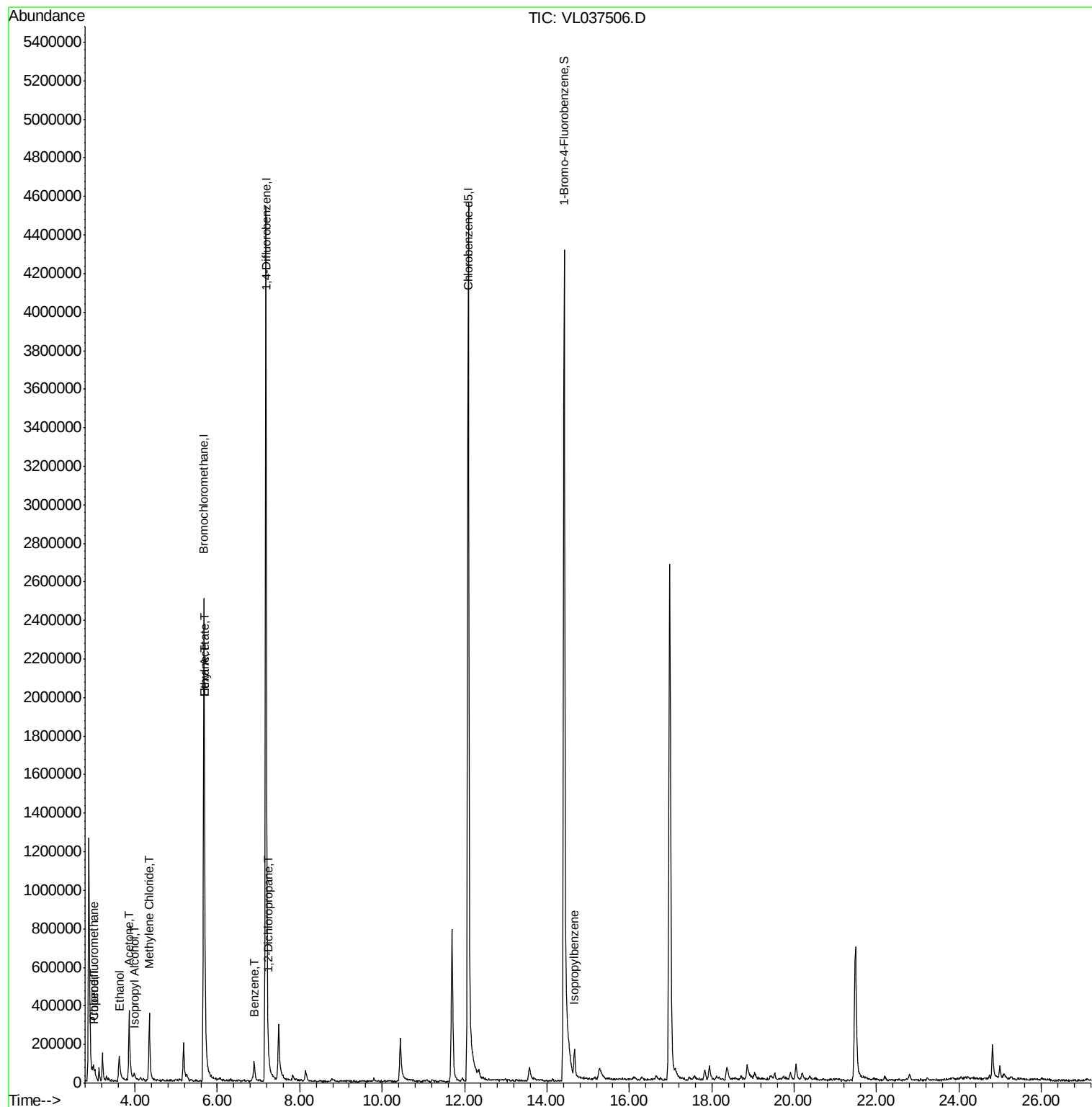
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	114955	0.444	ppbv #	86
9) Propene	3.02	41	7789	0.084	ppbv #	1
13) Ethanol	3.62	45	187133	20.743	ppbv	87
15) Acetone	3.86	43	464840	3.375	ppbv #	86
19) Isopropyl Alcohol	3.98	45	31529	0.400	ppbv #	95
20) Methylene Chloride	4.35	84	134024	1.944	ppbv	98
25) Ethyl Acetate	5.69	43	85879	0.246	ppbv #	80
26) Hexane	5.69	57	104911	0.614	ppbv #	49
36) Benzene	6.90	78	92537	0.268	ppbv	95
39) 1,2-Dichloropropane	7.23	63	11367	0.086	ppbv #	24
62) Isopropylbenzene	14.67	105	61598	0.110	ppbv #	48

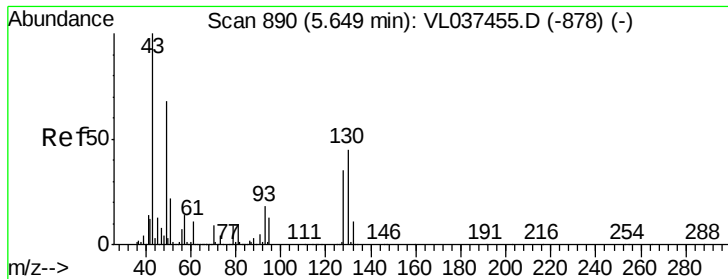
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
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Quant Time: Aug 20 00:22:47 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration



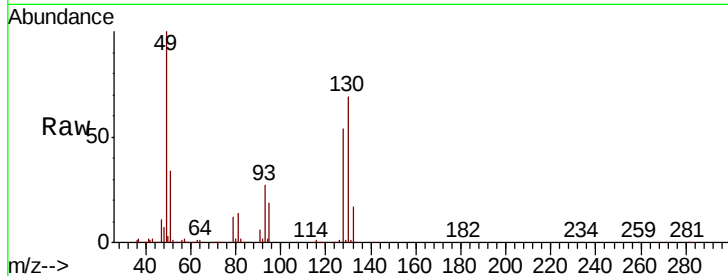


#1

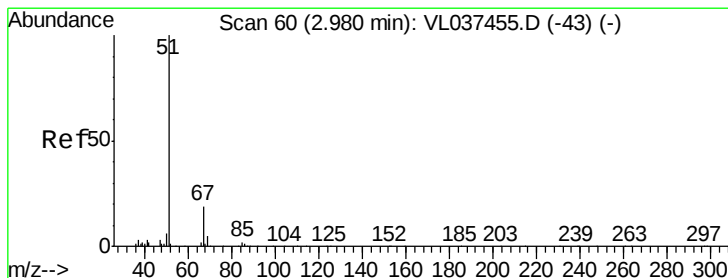
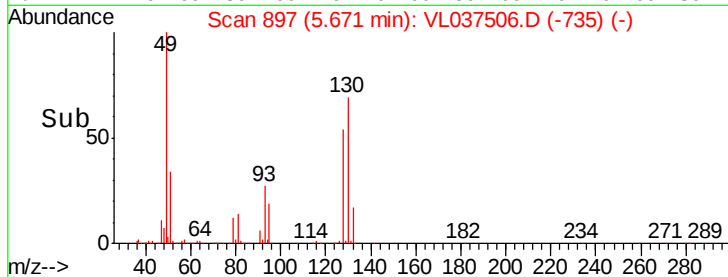
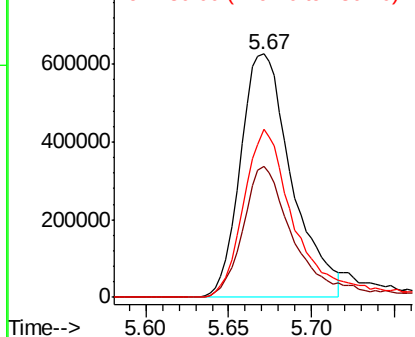
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.02 min
 Lab File: VL037506.D
 Acq: 19 Aug 2021 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 49 Resp: 1353158
 Ion Ratio Lower Upper
 49 100
 128 55.7 27.5 82.4
 130 71.4 34.0 101.8



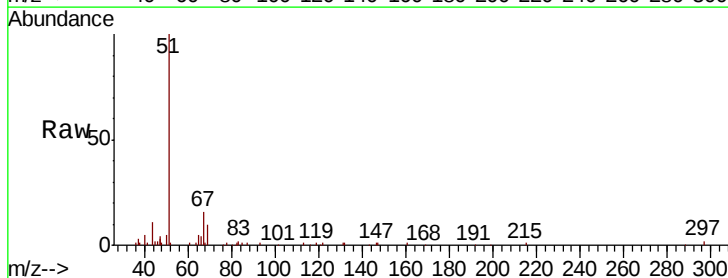
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



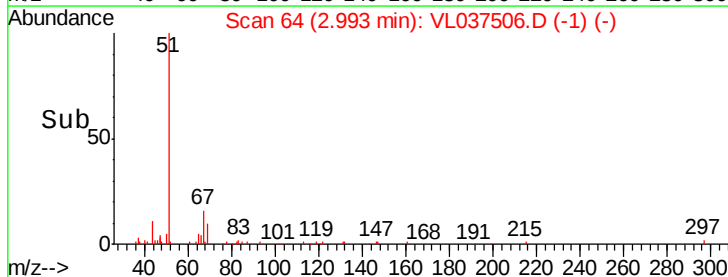
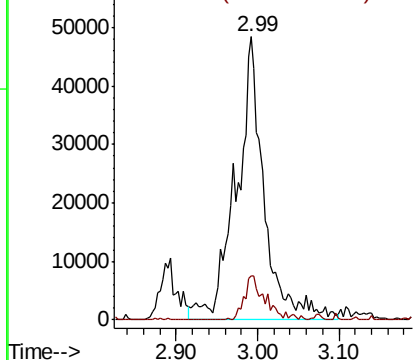
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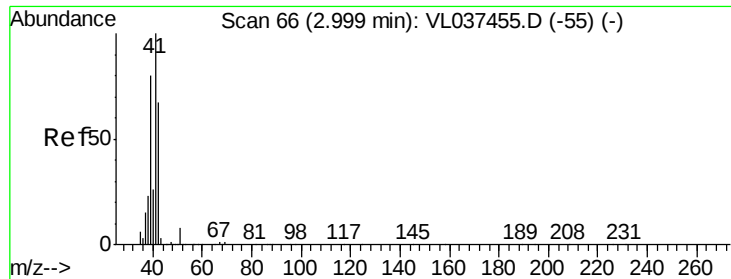
Chlorodifluoromethane
 Concen: 0.444 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.01 min
 Lab File: VL037506.D
 Acq: 19 Aug 2021 19:53

Tgt Ion: 51 Resp: 114955
 Ion Ratio Lower Upper
 51 100
 67 11.7 14.2 21.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0
 Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.084 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037506.D

Acq: 19 Aug 2021 19:53

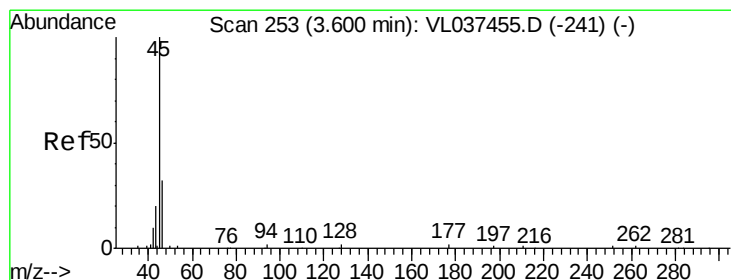
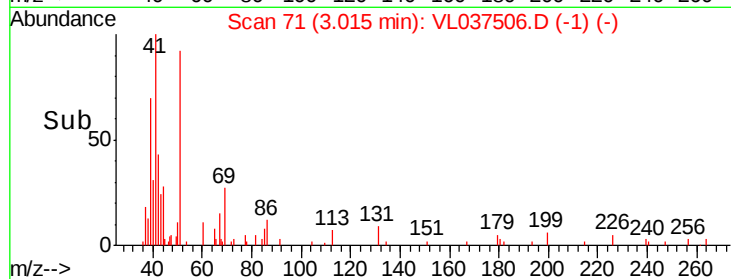
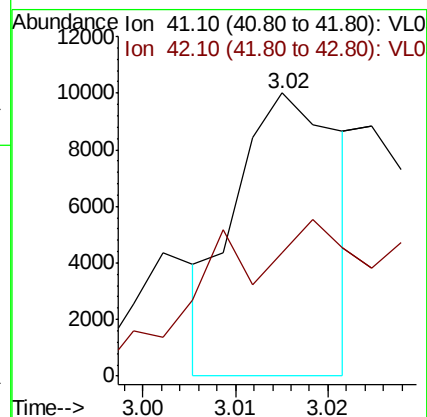
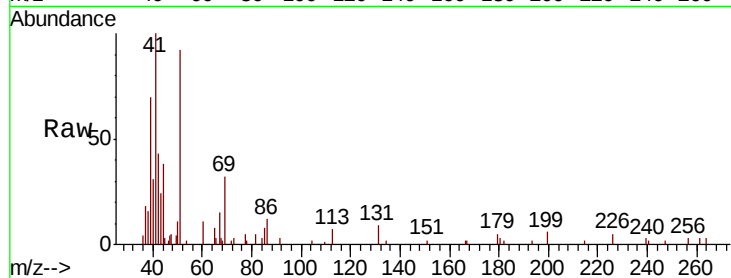
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 7789

Ion Ratio Lower Upper

41 100

42 146.5 53.7 80.5#



#13

Ethanol

Concen: 20.743 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037506.D

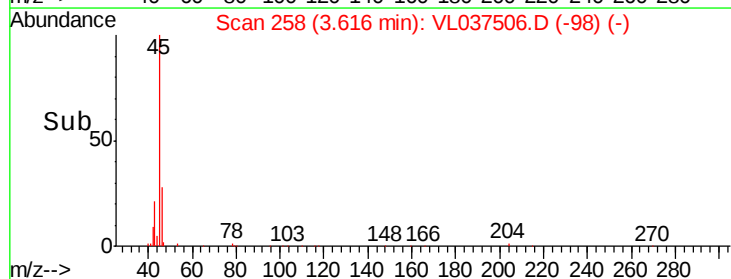
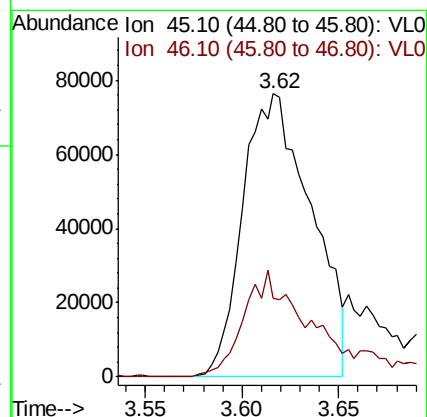
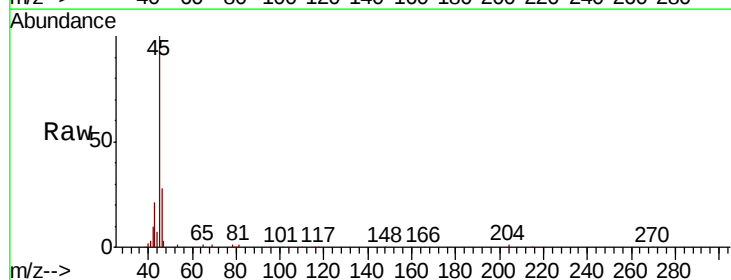
Acq: 19 Aug 2021 19:53

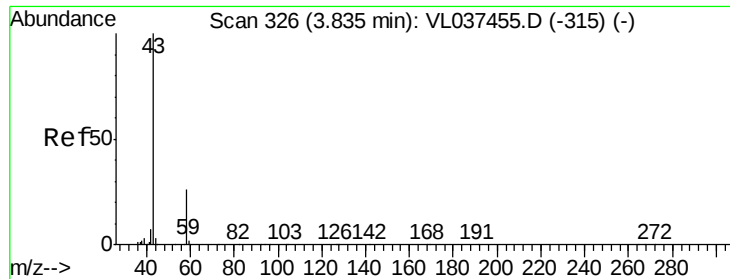
Tgt Ion: 45 Resp: 187133

Ion Ratio Lower Upper

45 100

46 42.7 14.1 56.5

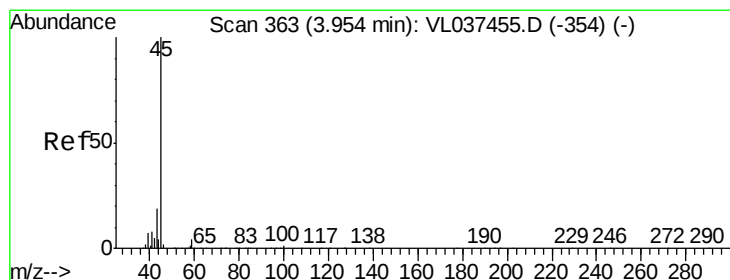
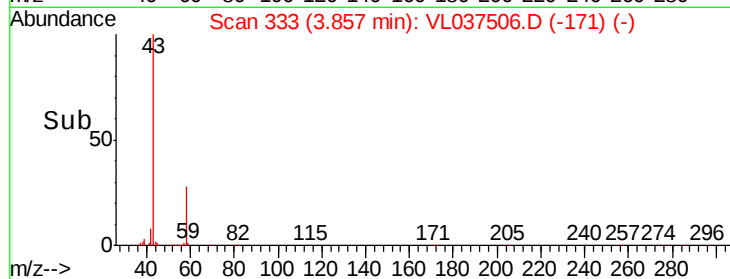
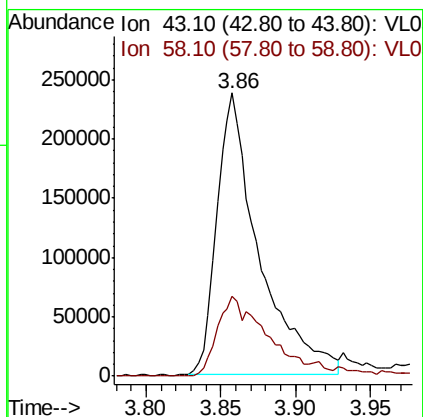
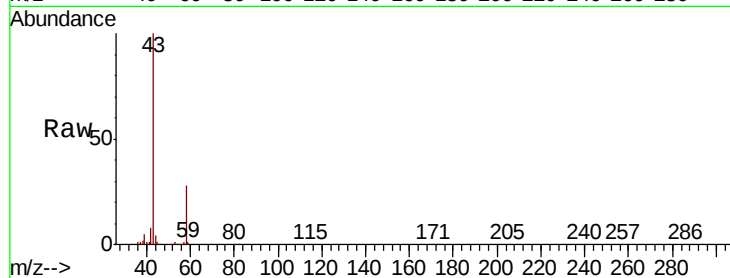




#15
Acetone
Concen: 3.375 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

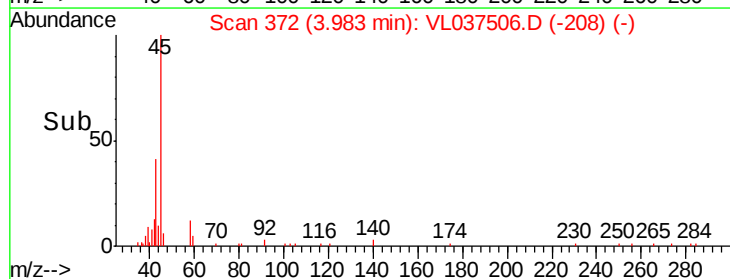
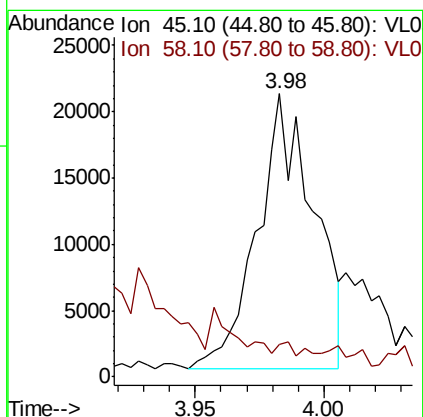
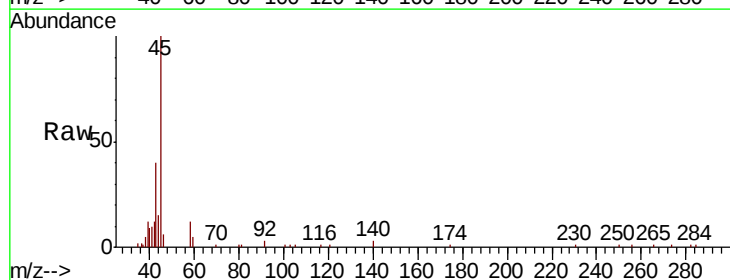
Instrument :
MSVOA_L
ClientSampleId :

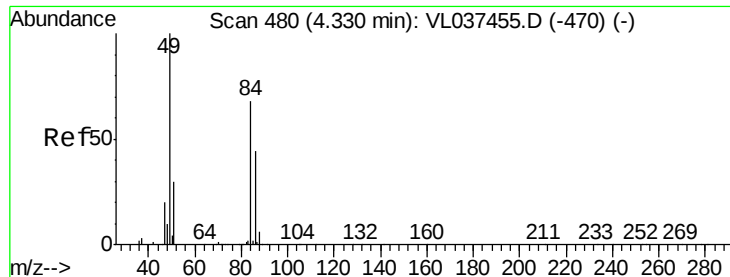
Tot Ion: 43 Resp: 464840
Ion Ratio Lower Upper
43 100
58 38.7 24.8 37.2#



#19
Isopropyl Alcohol
Concen: 0.400 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.03 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

Tgt Ion: 45 Resp: 31529
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#

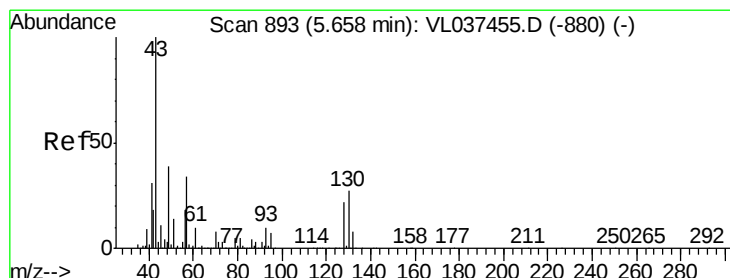
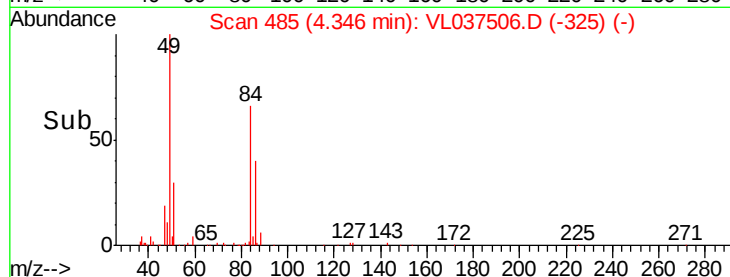
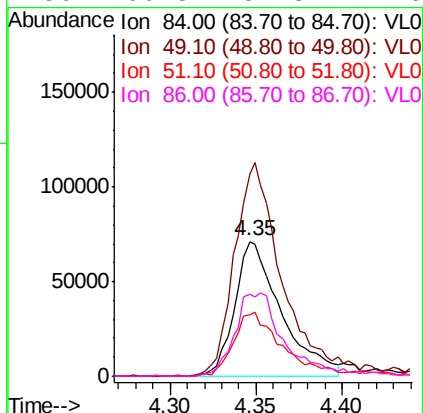
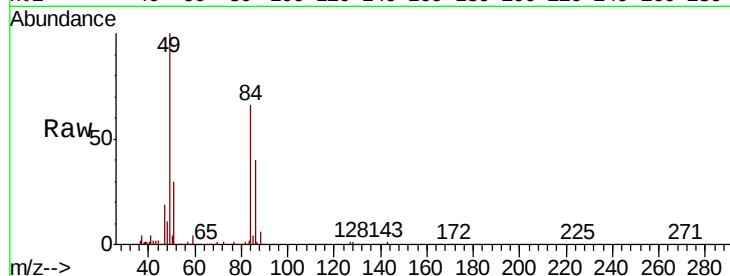




#20
Methylene Chloride
Concen: 1.944 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

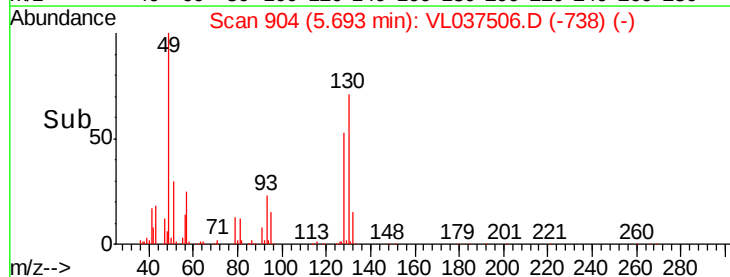
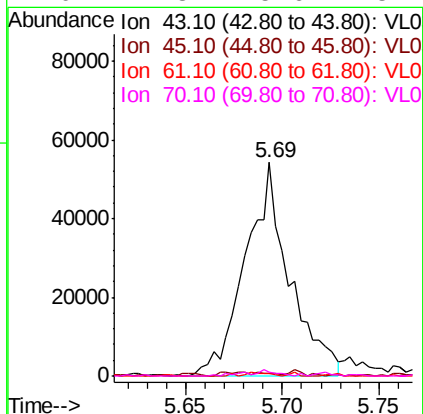
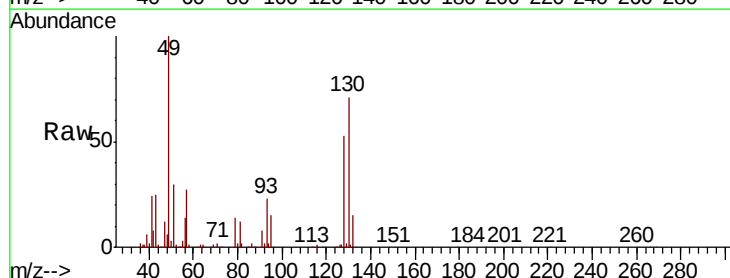
Instrument :
MSVOA_L
ClientSampleId :

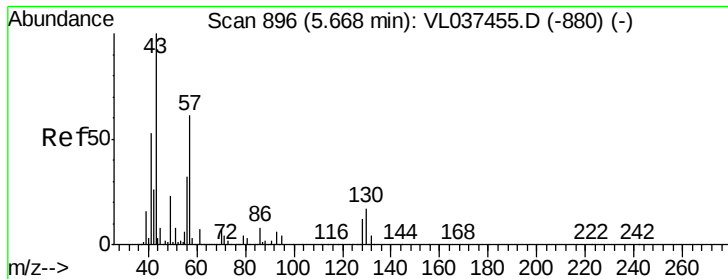
Tot Ion:	84	Resp:	134024
Ion	Ratio	Lower	Upper
84	100		
49	150.0	118.2	177.2
51	45.5	36.6	55.0
86	60.8	51.8	77.6



#25
Ethyl Acetate
Concen: 0.246 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.04 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

Tgt Ion:	43	Resp:	85879
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.0	12.0#
61	1.2	8.0	12.0#
70	2.8	5.6	8.4#





#26

Hexane

Concen: 0.614 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL037506.D

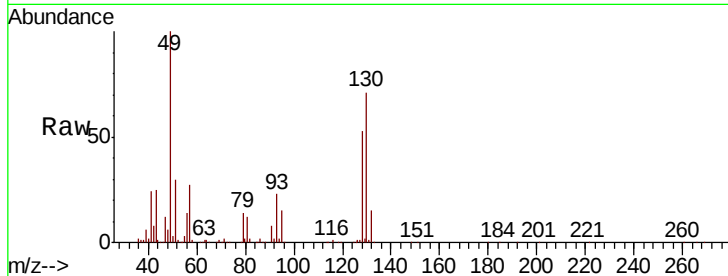
Acq: 19 Aug 2021 19:53

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 104911

Ion Ratio Lower Upper

57	100		
41	95.3	72.3	108.5
43	87.3	172.3	258.5#
56	59.7	42.8	64.2



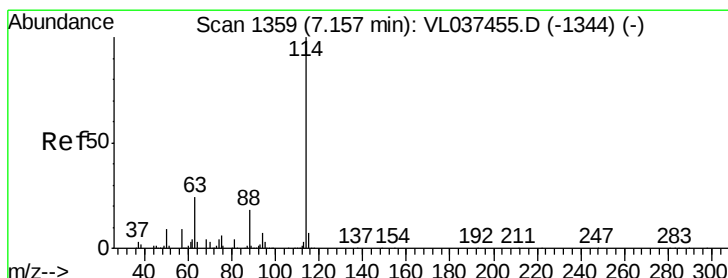
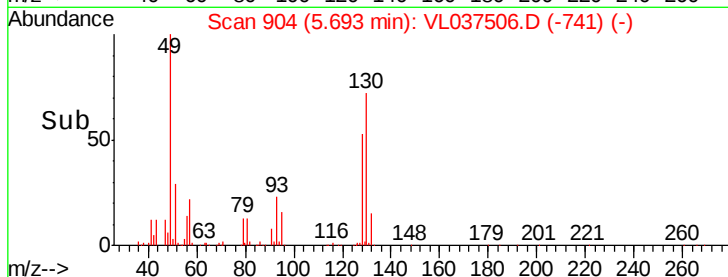
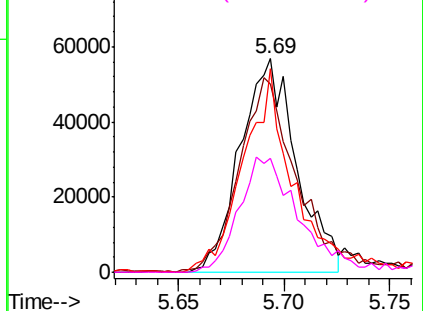
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

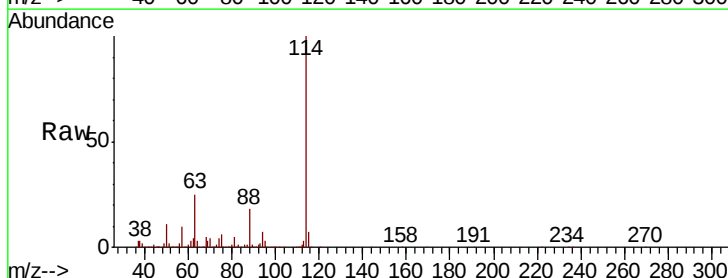
Lab File: VL037506.D

Acq: 19 Aug 2021 19:53

Tgt Ion: 114 Resp: 4108419

Ion Ratio Lower Upper

114	100		
63	24.4	19.3	28.9
88	18.2	14.2	21.4

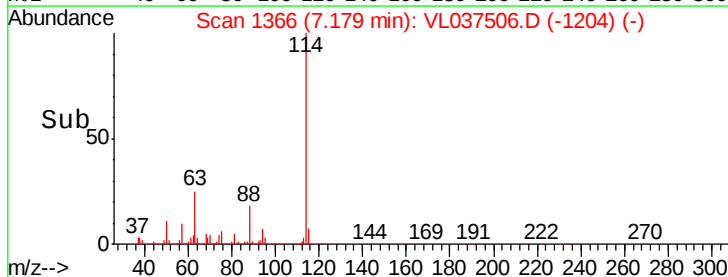
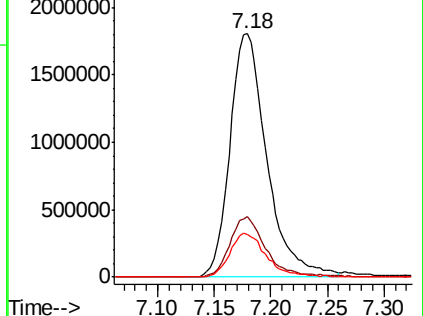


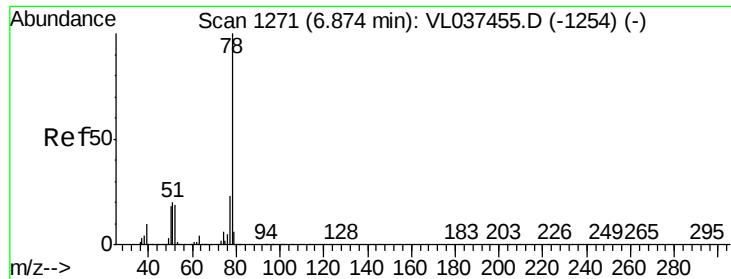
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.268 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.02 min

Lab File: VL037506.D

Acq: 19 Aug 2021 19:53

Instrument :

MSVOA_L

ClientSampled :

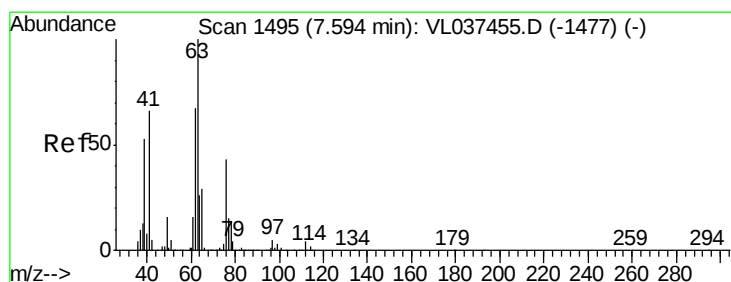
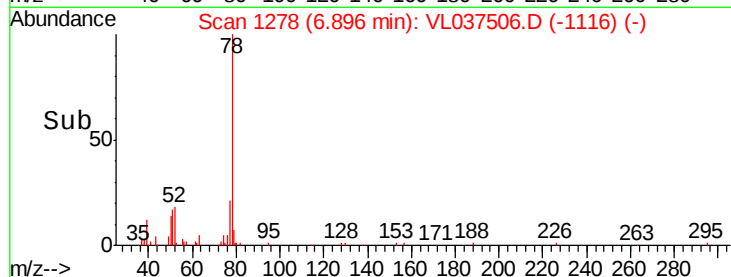
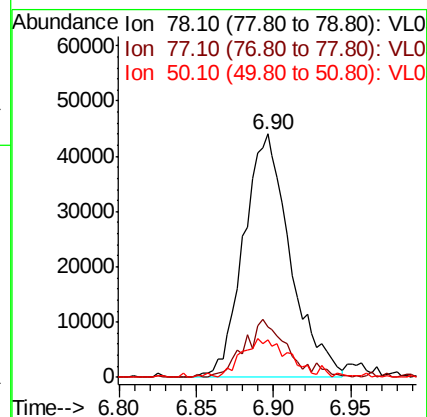
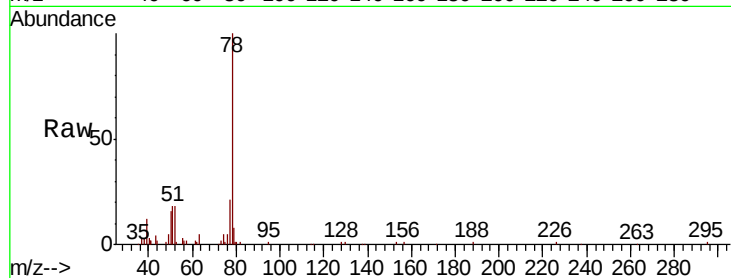
Tot Ion: 78 Resp: 92537

Ion Ratio Lower Upper

78 100

77 20.7 18.2 27.4

50 15.6 14.6 21.8



#39

1,2-Dichloropropane

Concen: 0.086 ppbv

RT: 7.23 min Scan# 1383

Delta R.T. -0.36 min

Lab File: VL037506.D

Acq: 19 Aug 2021 19:53

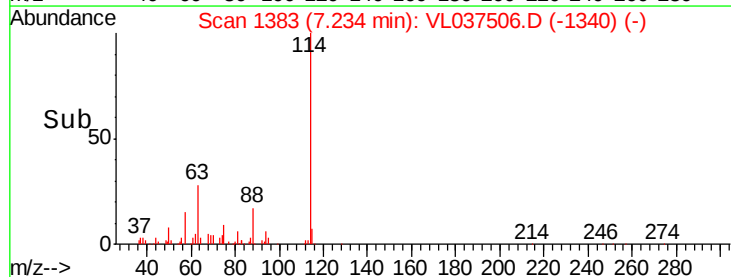
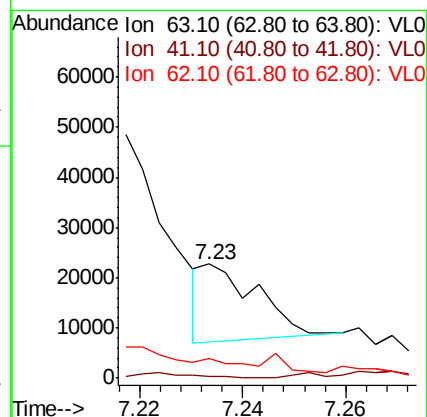
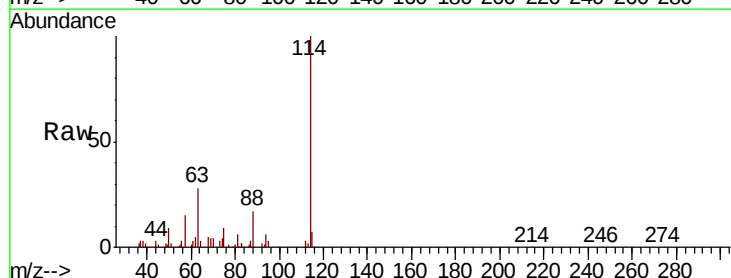
Tgt Ion: 63 Resp: 11367

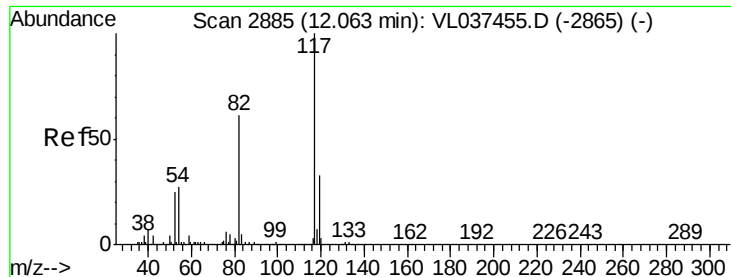
Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 11.7 53.6 80.4#

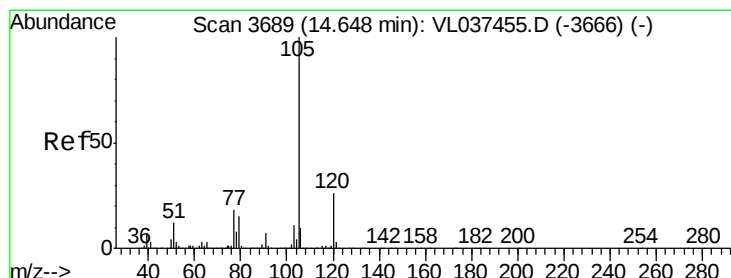
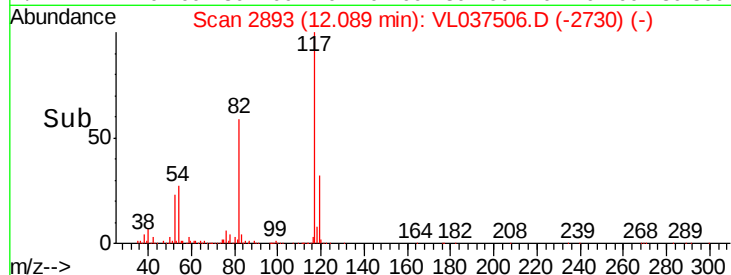
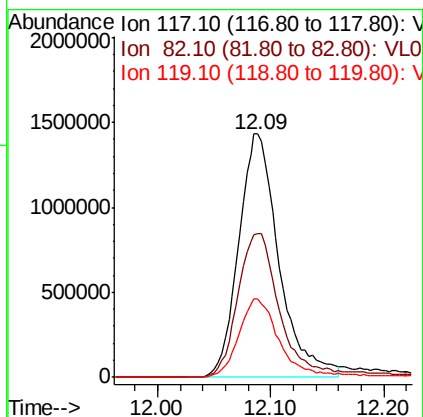
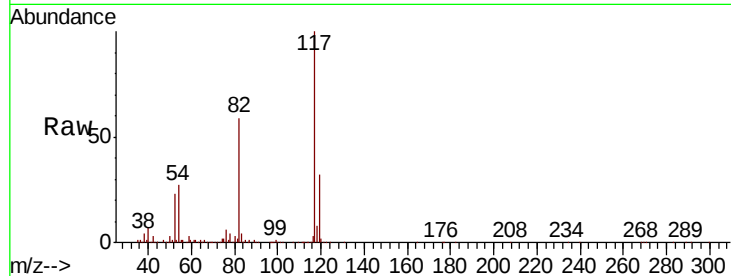




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

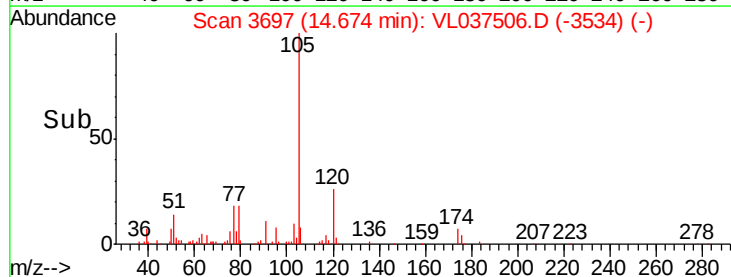
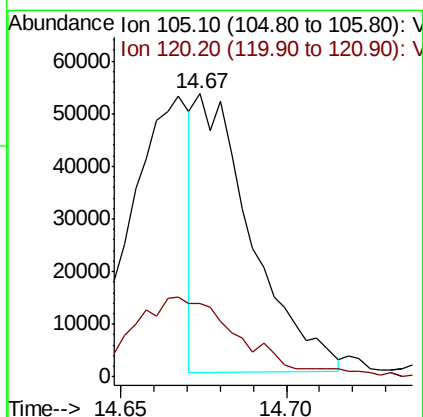
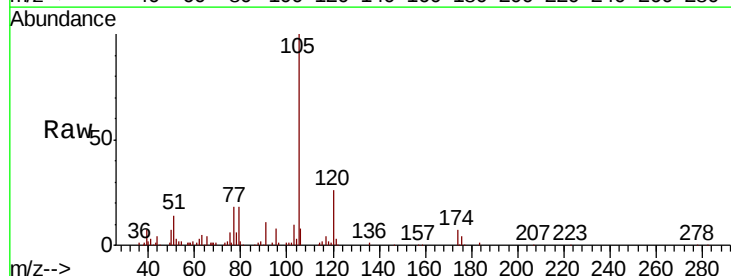
Instrument :
MSVOA_L
ClientSampleId :

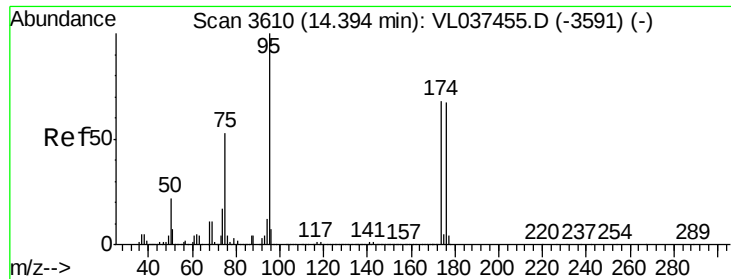
Tot Ion:117 Resp: 3543844
Ion Ratio Lower Upper
117 100
82 63.7 52.9 79.3
119 33.0 24.8 37.2



#62
Isopropylbenzene
Concen: 0.110 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.03 min
Lab File: VL037506.D
Acq: 19 Aug 2021 19:53

Tgt Ion:105 Resp: 61598
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.334 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037506.D

Acq: 19 Aug 2021 19:53

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2350124

Ion Ratio Lower Upper

95 100

174 82.6 59.6 89.4

175 5.9 4.6 7.0

