

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037504.D
 Acq On : 19 Aug 2021 18:34
 Operator : SY/AP
 Sample : M3480-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:22:12 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	1411547	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4181644	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3468330	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2451321	9.95	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

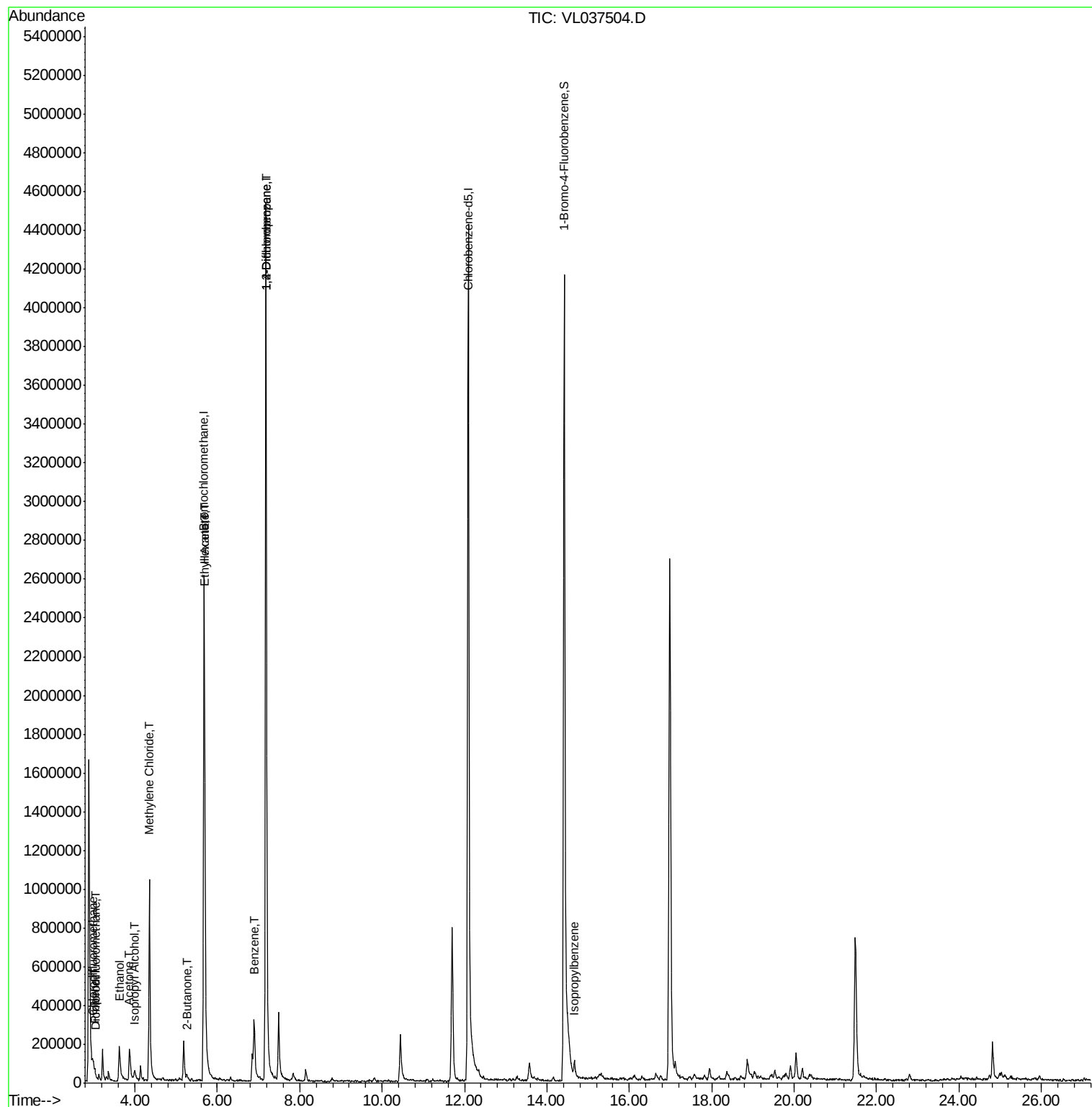
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	6883	0.030	ppbv	95
3) Chlorodifluoromethane	3.00	51	151771	0.562	ppbv #	84
9) Propene	3.02	41	11621	0.120	ppbv #	82
13) Ethanol	3.62	45	148697	15.801	ppbv #	50
15) Acetone	3.86	43	102128	0.711	ppbv #	44
19) Isopropyl Alcohol	3.99	45	45049	0.547	ppbv #	95
20) Methylene Chloride	4.35	84	439336	6.108	ppbv	95
25) Ethyl Acetate	5.69	43	270442	0.742	ppbv #	78
26) Hexane	5.69	57	377101	2.115	ppbv #	46
34) 2-Butanone	5.25	43	9802	0.057	ppbv #	54
36) Benzene	6.90	78	253956	0.722	ppbv #	88
39) 1,2-Dichloropropane	7.18	63	958206	7.094	ppbv #	29
62) Isopropylbenzene	14.67	105	45899	0.084	ppbv #	72

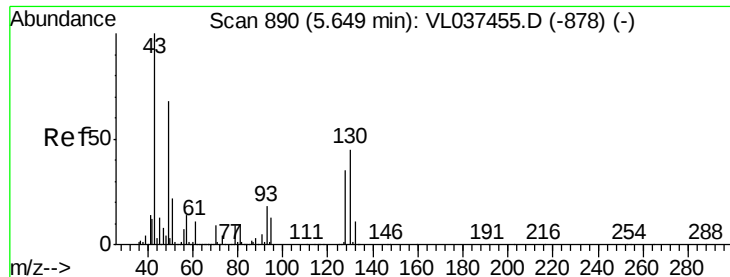
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
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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: VL037504.D

Acq: 19 Aug 2021 18:34

Instrument :

MSVOA_L

ClientSampleId :

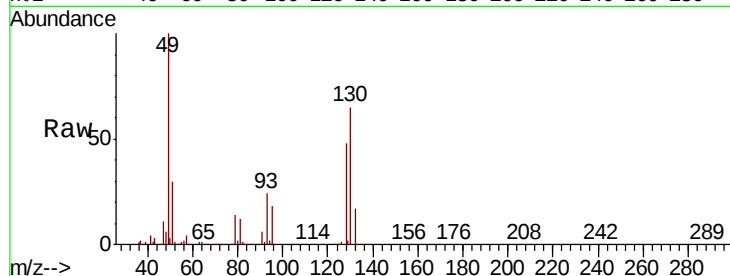
Tot Ion: 49 Resp: 1411547

Ion Ratio Lower Upper

49 100

128 53.6 27.5 82.4

130 69.5 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

800000

600000

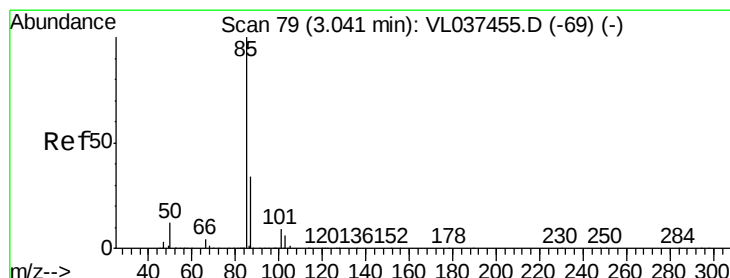
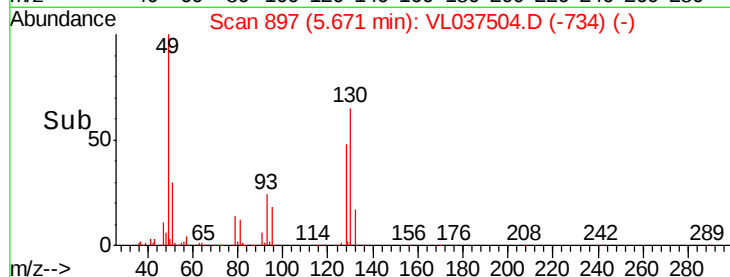
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.030 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL037504.D

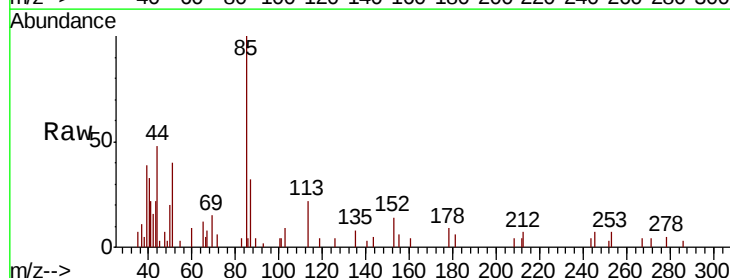
Acq: 19 Aug 2021 18:34

Tgt Ion: 85 Resp: 6883

Ion Ratio Lower Upper

85 100

87 31.9 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

6000

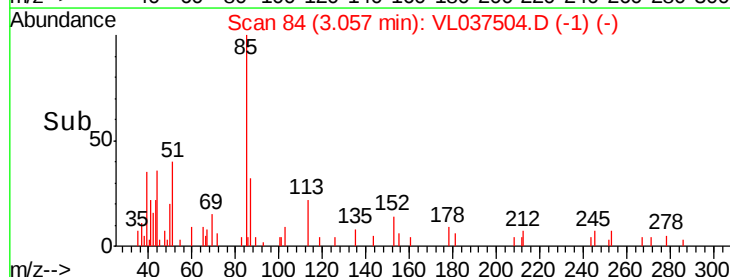
4000

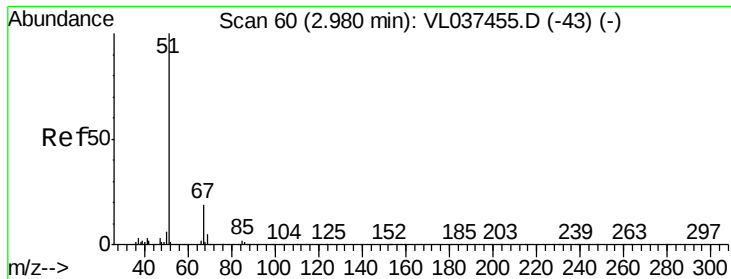
2000

0

3.02 3.04 3.06

Time-->





#3

Chlorodifluoromethane

Concen: 0.562 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037504.D

Acq: 19 Aug 2021 18:34

Instrument :

MSVOA_L

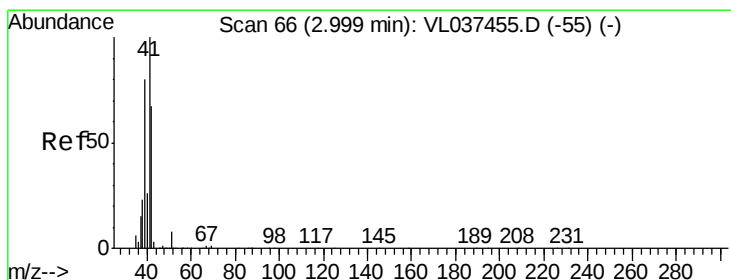
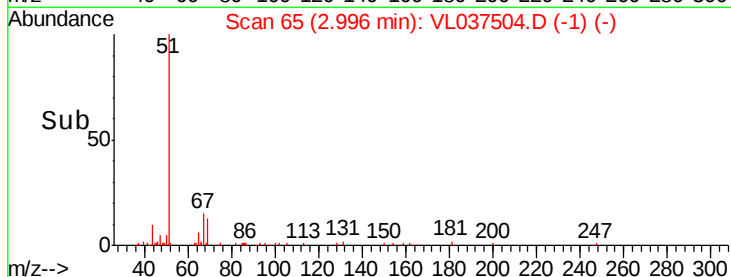
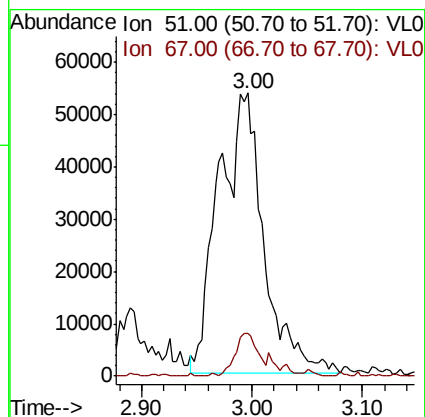
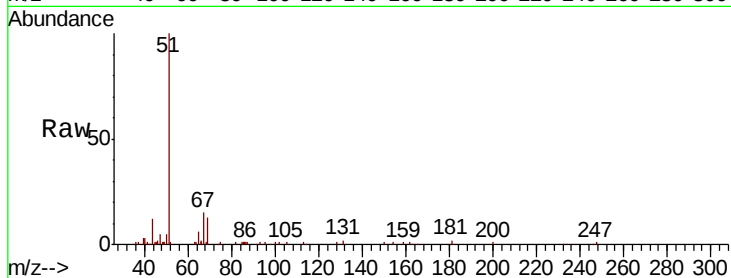
ClientSampleId :

Tot Ion: 51 Resp: 151771

Ion Ratio Lower Upper

51 100

67 10.5 14.2 21.2#



#9

Propene

Concen: 0.120 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.03 min

Lab File: VL037504.D

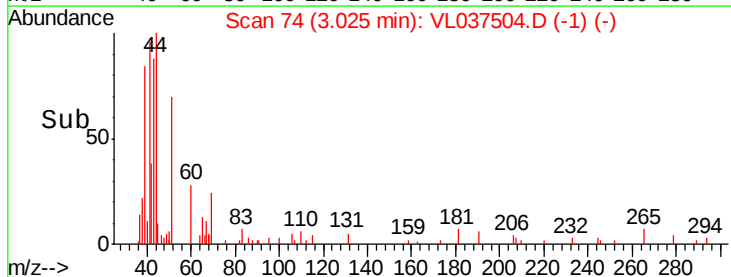
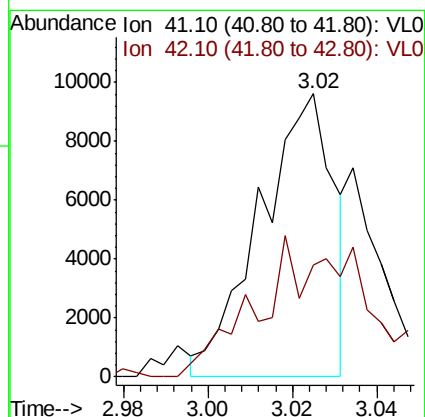
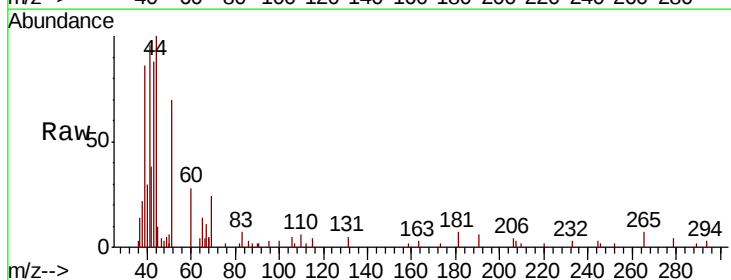
Acq: 19 Aug 2021 18:34

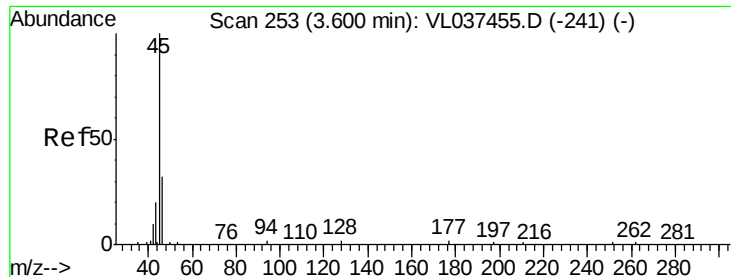
Tgt Ion: 41 Resp: 11621

Ion Ratio Lower Upper

41 100

42 81.8 53.7 80.5#

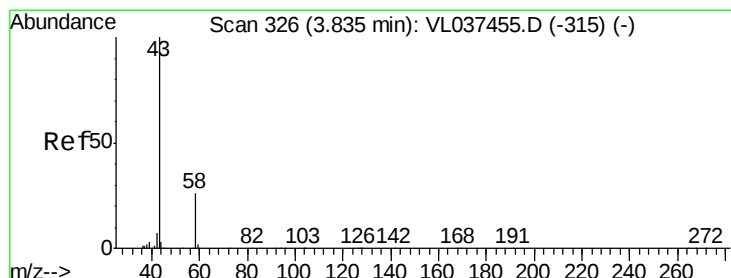
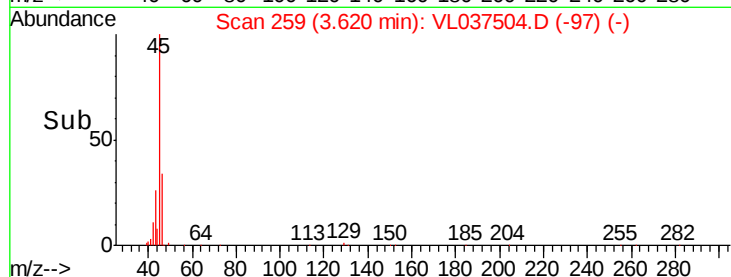
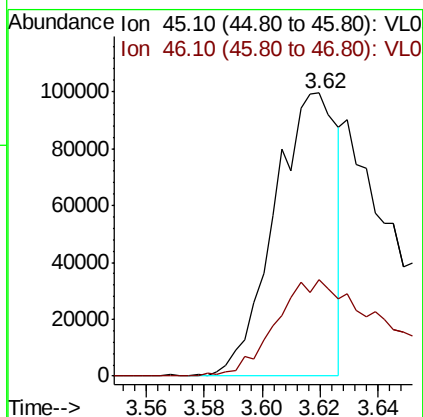
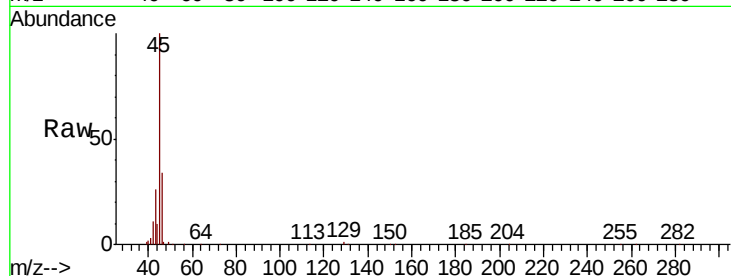




#13
Ethanol
Concen: 15.801 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

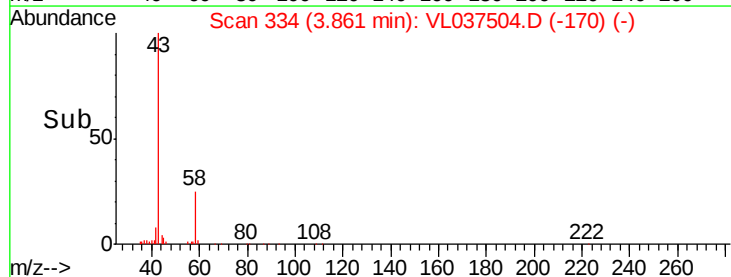
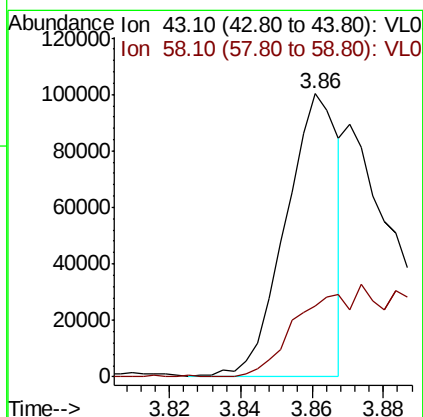
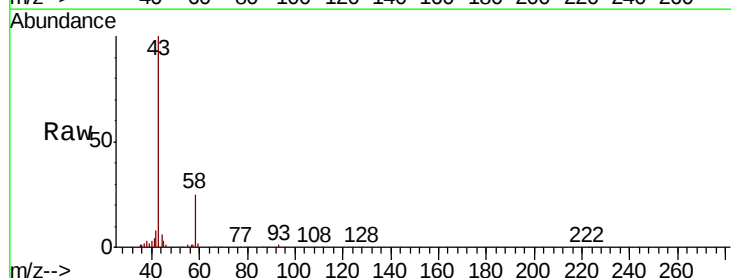
Instrument :
MSVOA_L
ClientSampled :

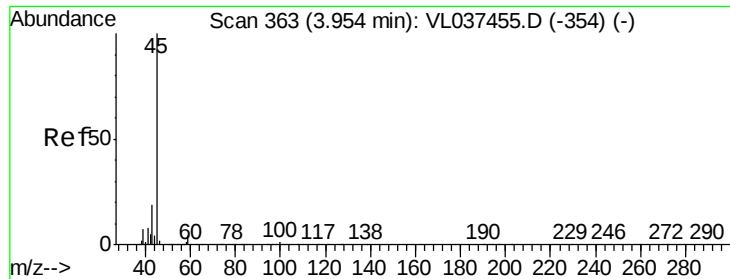
Tot Ion: 45 Resp: 148697
Ion Ratio Lower Upper
45 100
46 64.6 14.1 56.5#



#15
Acetone
Concen: 0.711 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

Tgt Ion: 43 Resp: 102128
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#





#19

Isopropyl Alcohol

Concen: 0.547 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.04 min

Lab File: VL037504.D

Acq: 19 Aug 2021 18:34

Instrument :

MSVOA_L

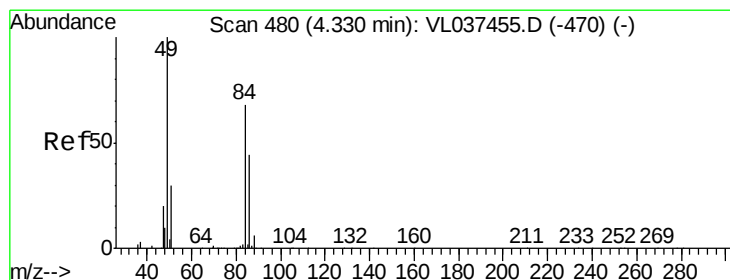
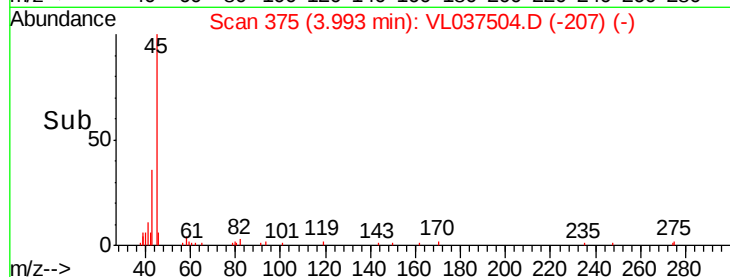
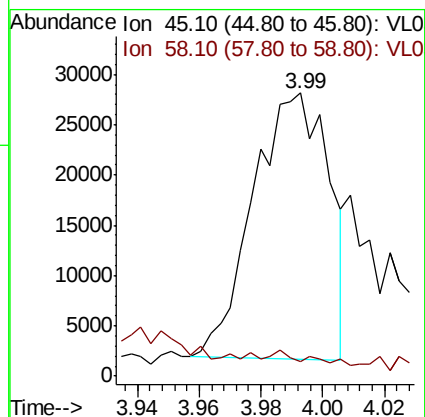
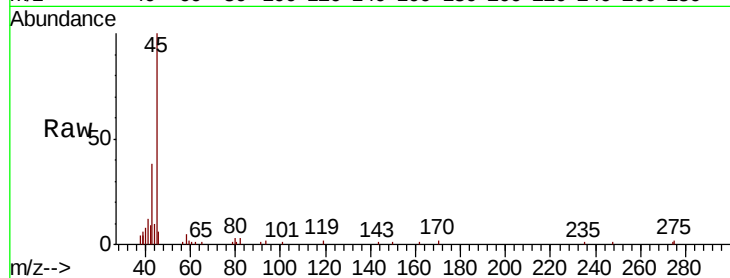
ClientSampleId :

Tot Ion: 45 Resp: 45049

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#



#20

Methylene Chloride

Concen: 6.108 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037504.D

Acq: 19 Aug 2021 18:34

Tgt Ion: 84 Resp: 439336

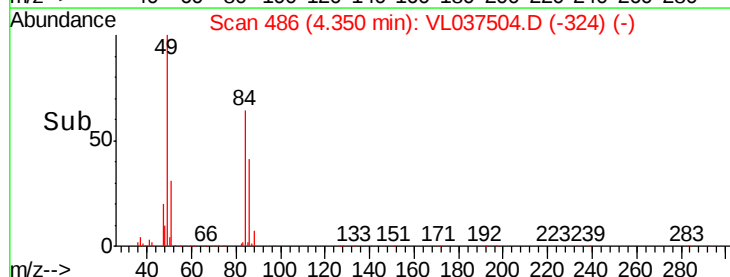
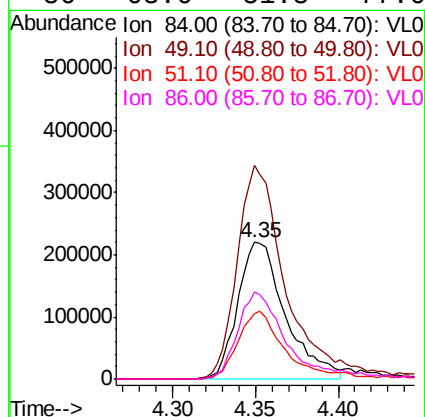
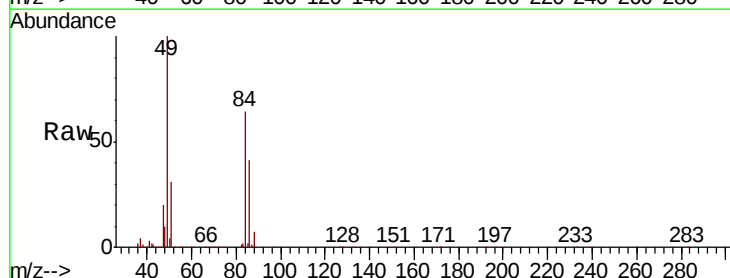
Ion Ratio Lower Upper

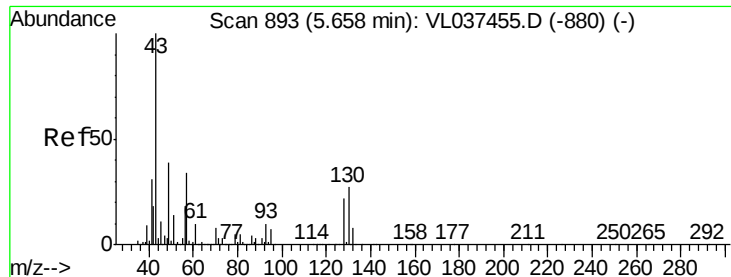
84 100

49 156.0 118.2 177.2

51 48.0 36.6 55.0

86 63.6 51.8 77.6

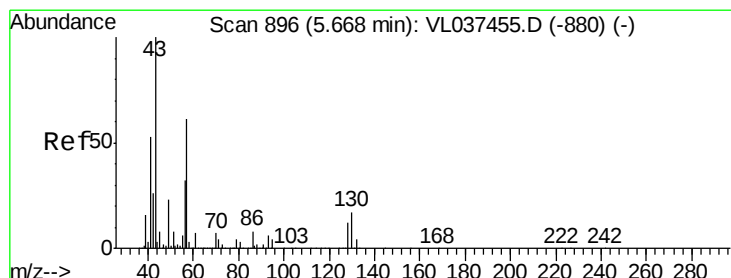
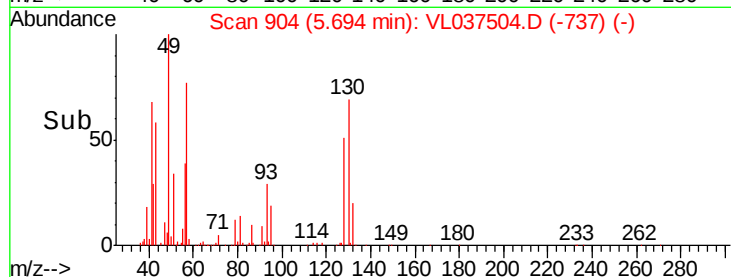
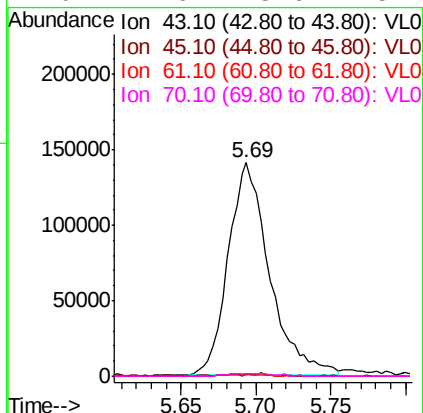
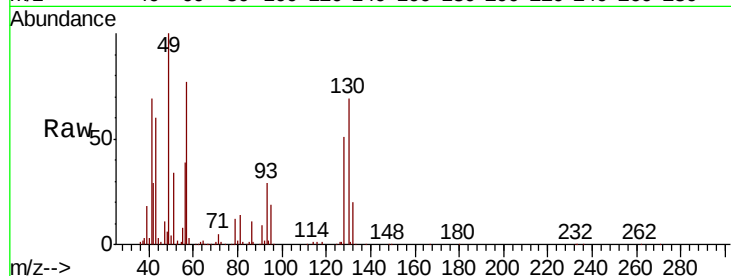




#25
Ethyl Acetate
Concen: 0.742 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.04 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

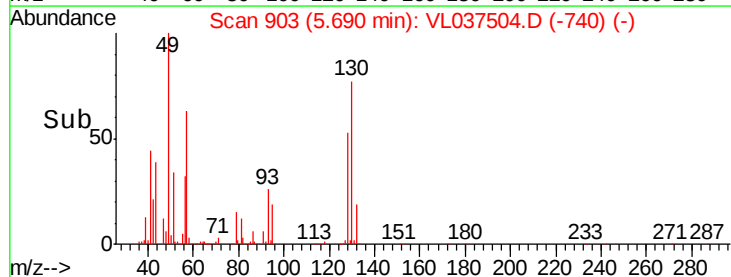
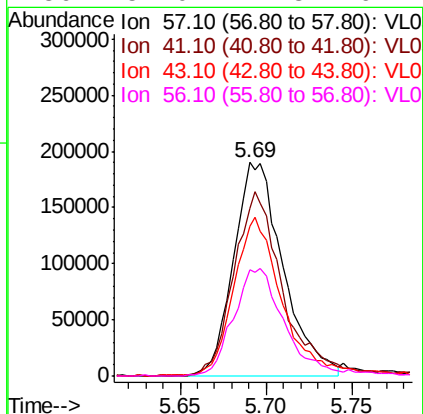
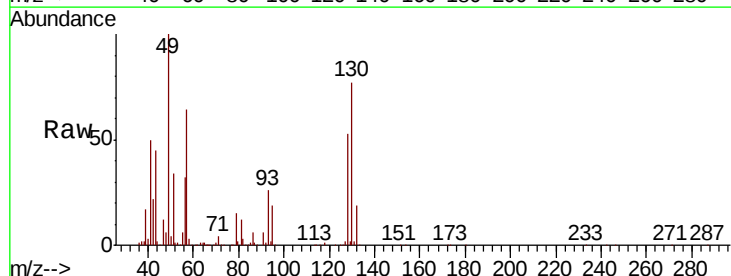
Instrument :
MSVOA_L
ClientSampled :

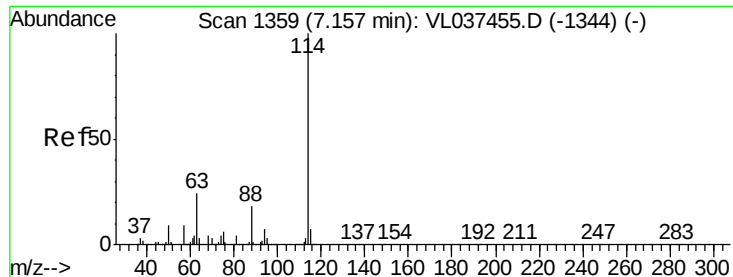
Tot Ion:	43	Resp:	270442
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.0	12.0#
61	0.9	8.0	12.0#
70	1.6	5.6	8.4#



#26
Hexane
Concen: 2.115 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

Tgt Ion:	57	Resp:	377101
Ion	Ratio	Lower	Upper
57	100		
41	87.8	72.3	108.5
43	74.7	172.3	258.5#
56	54.0	42.8	64.2

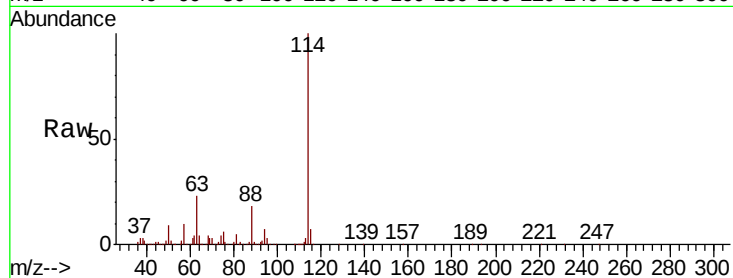




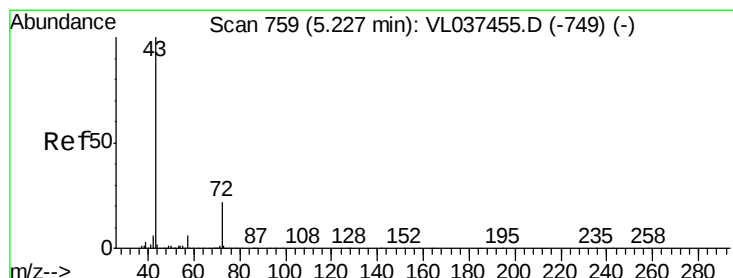
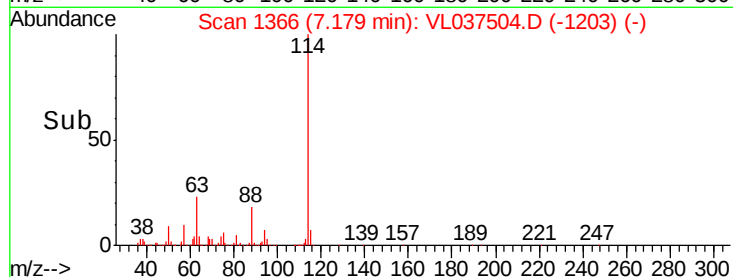
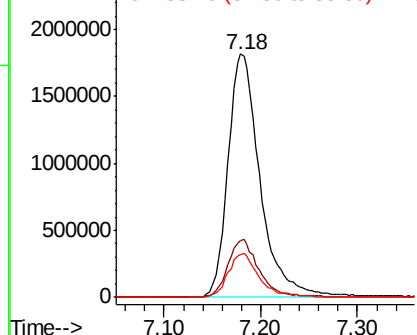
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037504.D
 Acq: 19 Aug 2021 18:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4181644
 Ion Ratio Lower Upper
 114 100
 63 23.6 19.3 28.9
 88 17.8 14.2 21.4

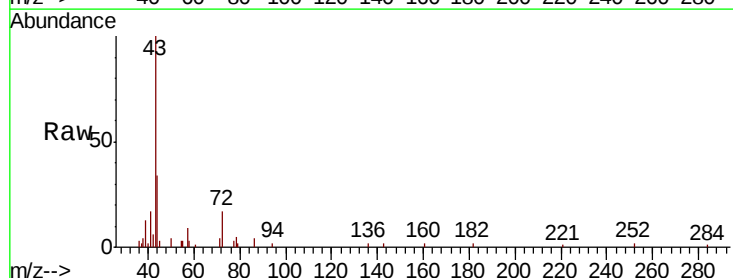


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

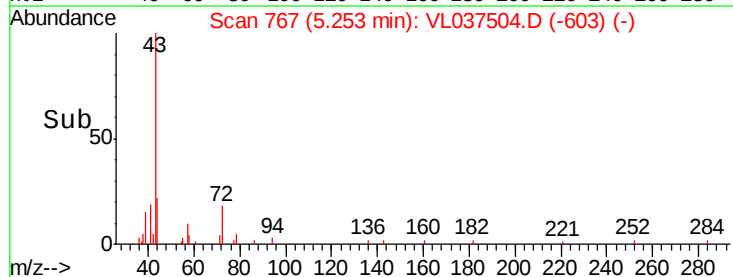
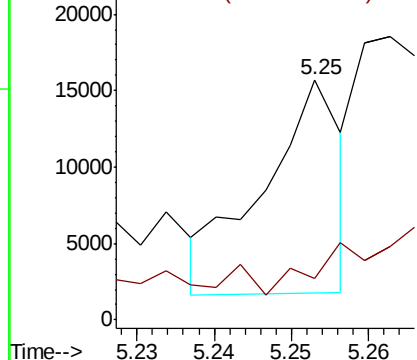


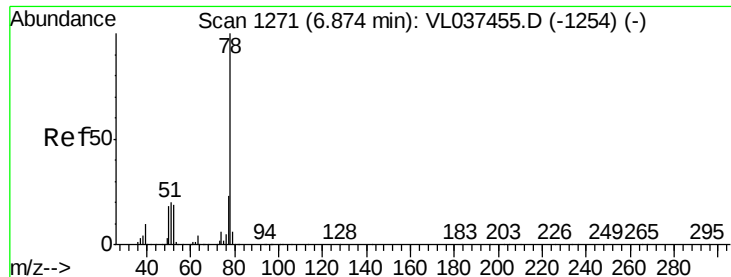
#34
 2-Butanone
 Concen: 0.057 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.03 min
 Lab File: VL037504.D
 Acq: 19 Aug 2021 18:34

Tgt Ion: 43 Resp: 9802
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.4 26.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

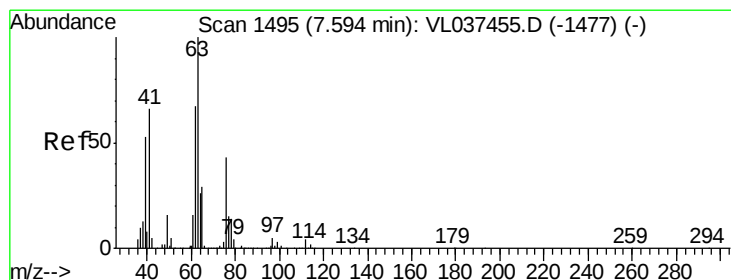
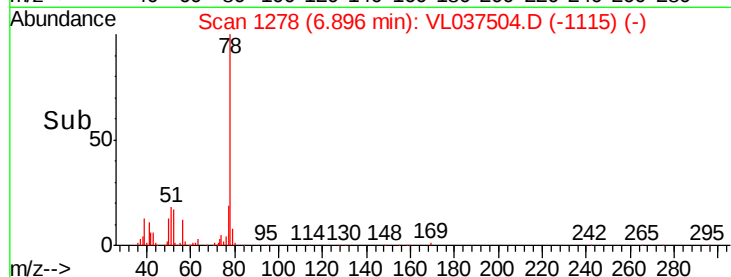
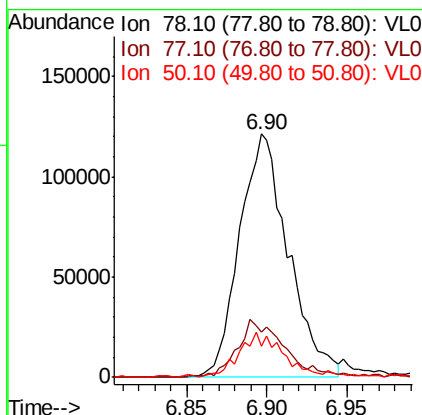
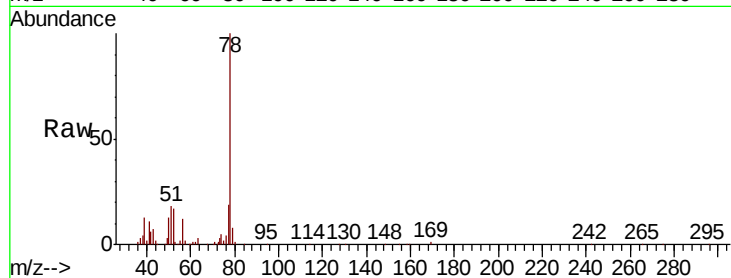




#36
Benzene
Concen: 0.722 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

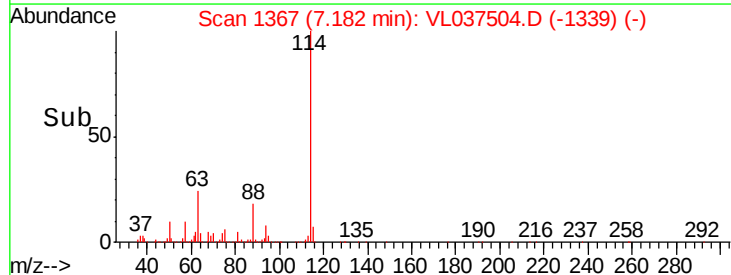
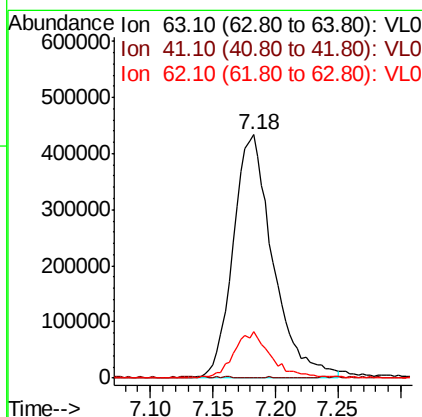
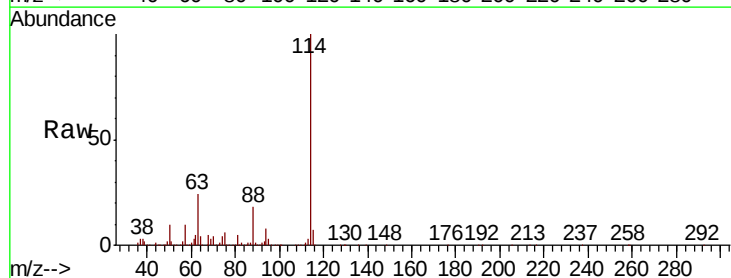
Instrument :
MSVOA_L
ClientSampleId :

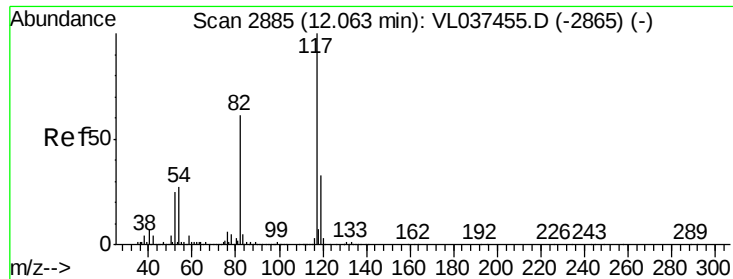
Tot Ion: 78 Resp: 253956
Ion Ratio Lower Upper
78 100
77 18.2 18.2 27.4#
50 11.5 14.6 21.8#



#39
1,2-Dichloropropane
Concen: 7.094 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.41 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

Tgt Ion: 63 Resp: 958206
Ion Ratio Lower Upper
63 100
41 0.0 52.4 78.6#
62 19.1 53.6 80.4#

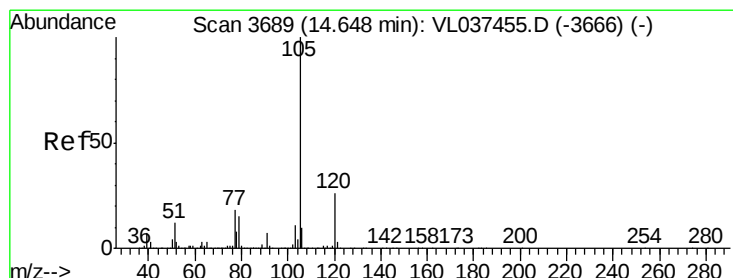
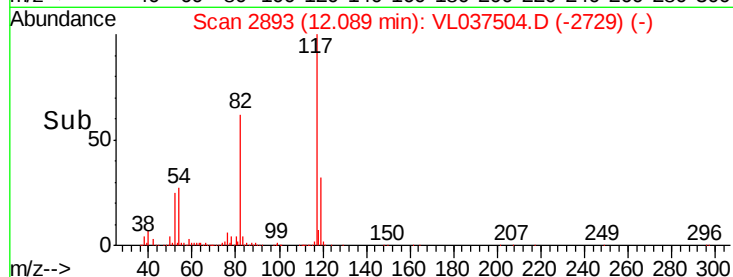
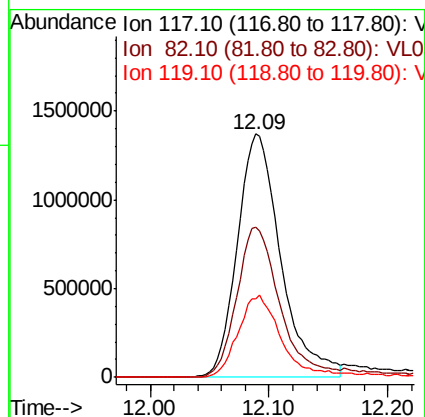
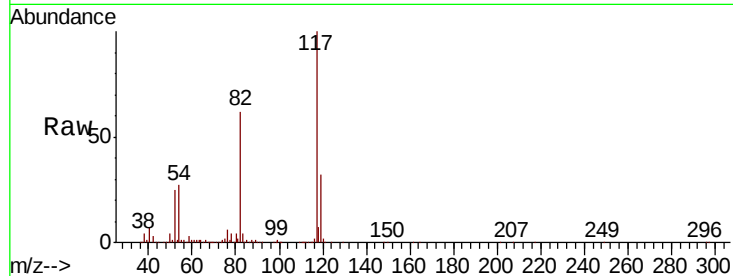




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

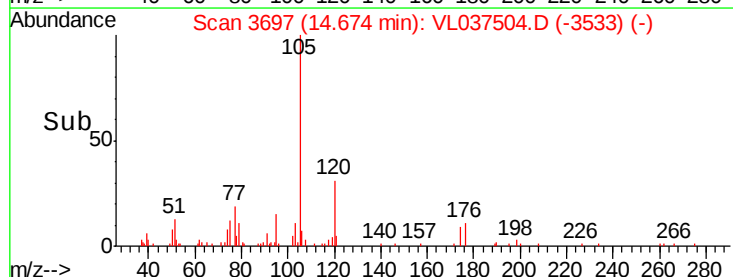
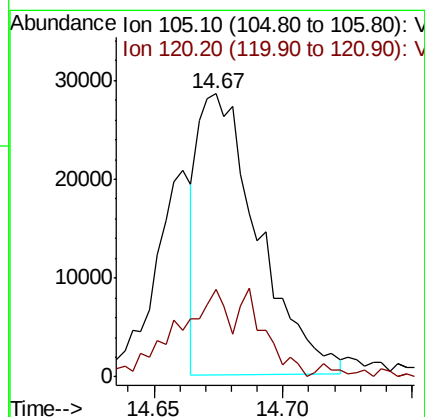
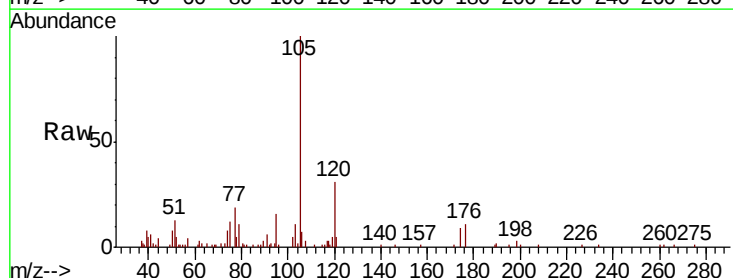
Instrument :
MSVOA_L
ClientSampleId :

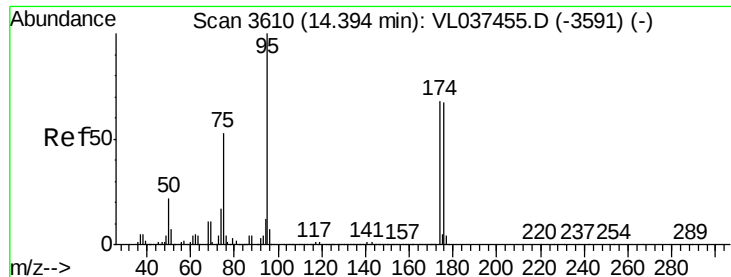
Tot Ion:117 Resp: 3468330
Ion Ratio Lower Upper
117 100
82 67.6 52.9 79.3
119 35.8 24.8 37.2



#62
Isopropylbenzene
Concen: 0.084 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.03 min
Lab File: VL037504.D
Acq: 19 Aug 2021 18:34

Tgt Ion:105 Resp: 45899
Ion Ratio Lower Upper
105 100
120 41.5 21.5 32.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.948 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037504.D

Acq: 19 Aug 2021 18:34

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2451321

Ion Ratio Lower Upper

95 100

174 78.1 59.6 89.4

175 5.9 4.6 7.0

