

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037078.D
 Acq On : 1 Jun 2021 20:14
 Operator : SY/AP
 Sample : M2559-04DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:02:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1498693	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4569890	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4121849	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2961213	9.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.60%

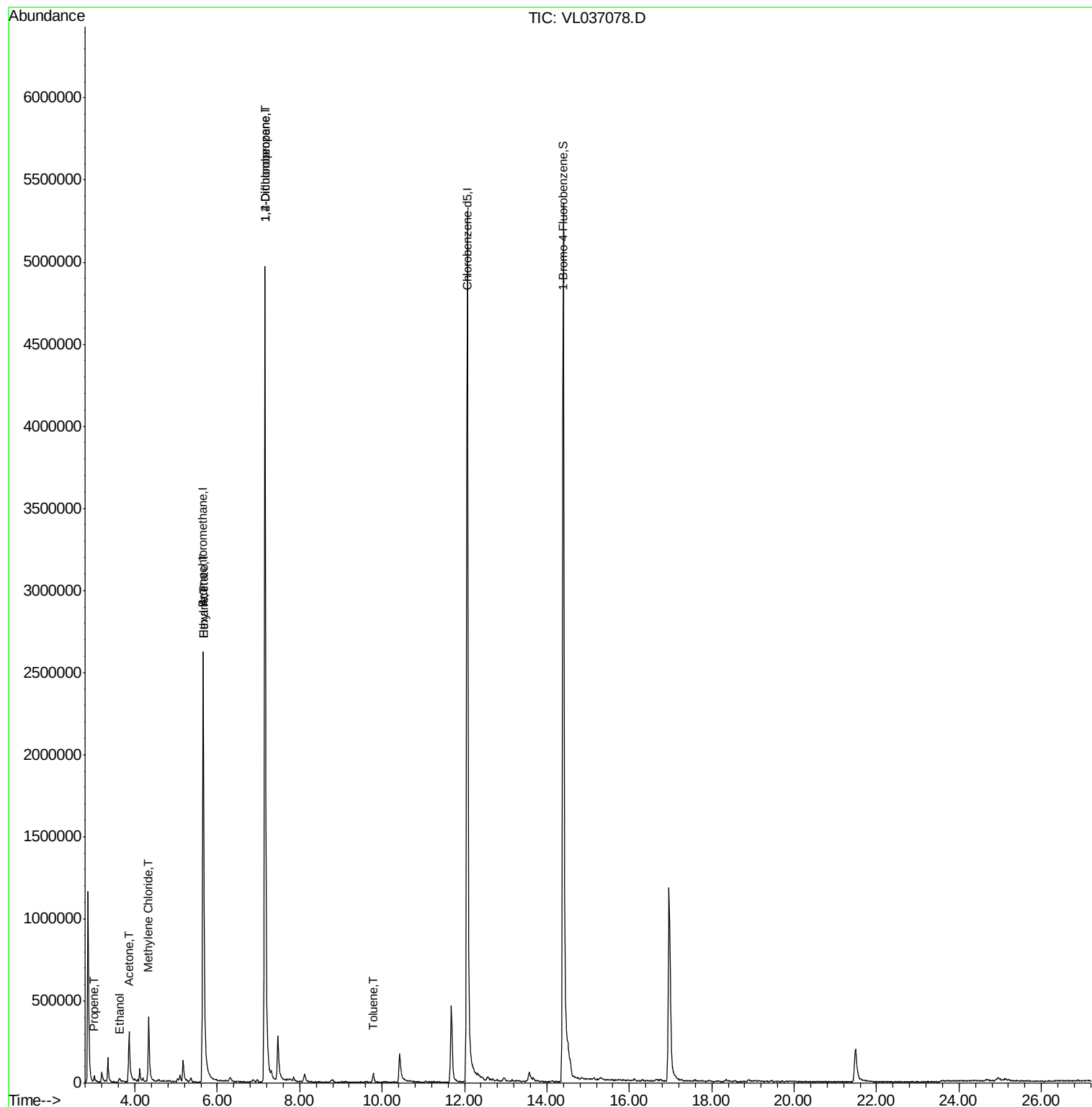
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	8578	0.087	ppbv #	70
13) Ethanol	3.62	45	15684	1.196	ppbv #	1
15) Acetone	3.85	43	313632	2.043	ppbv	91
20) Methylene Chloride	4.33	84	165811	2.015	ppbv	96
25) Ethyl Acetate	5.67	43	90662	0.246	ppbv #	78
26) Hexane	5.67	57	131883	0.700	ppbv #	46
39) 1,2-Dichloropropane	7.16	63	1080109	7.123	ppbv #	26
53) Toluene	9.78	91	16938	0.036	ppbv #	1

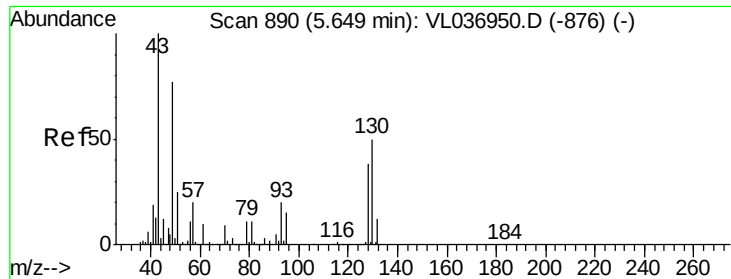
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037078.D

Acq: 1 Jun 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

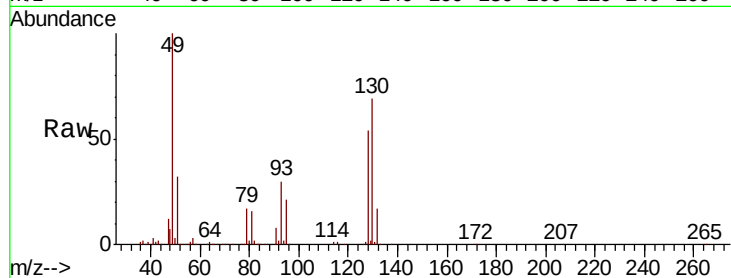
Tot Ion: 49 Resp: 1498693

Ion Ratio Lower Upper

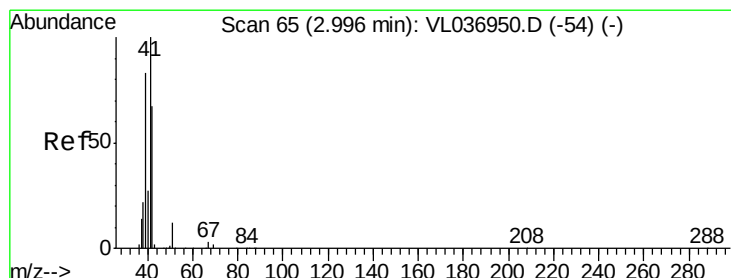
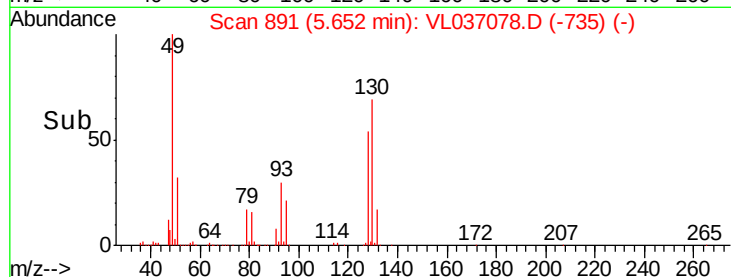
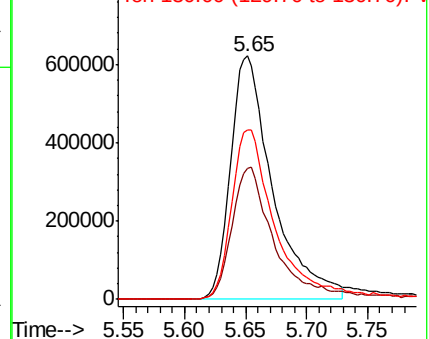
49 100

128 57.5 26.9 80.7

130 75.7 33.8 101.4



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



#9

Propene

Concen: 0.087 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037078.D

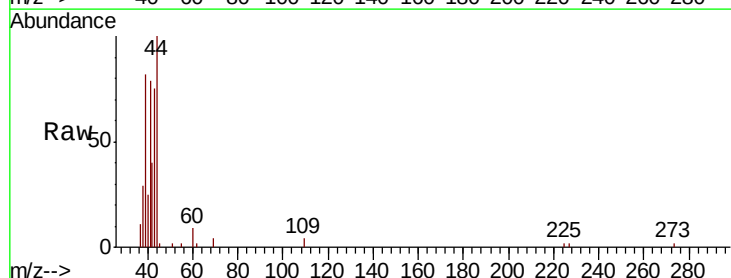
Acq: 1 Jun 2021 20:14

Tgt Ion: 41 Resp: 8578

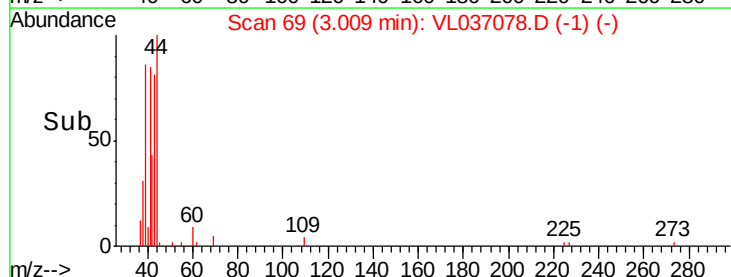
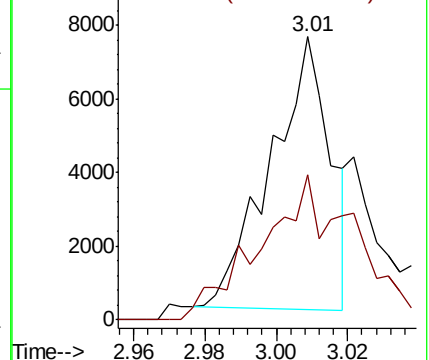
Ion Ratio Lower Upper

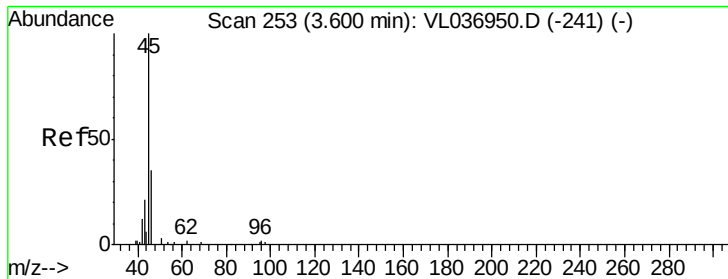
41 100

42 91.7 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

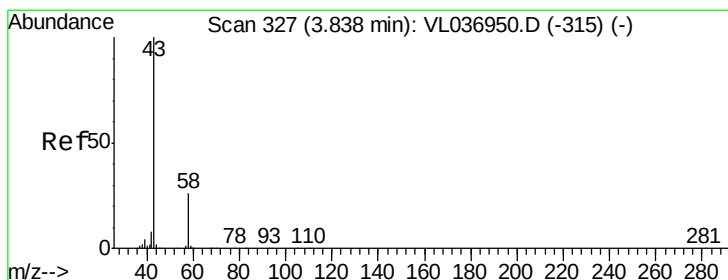
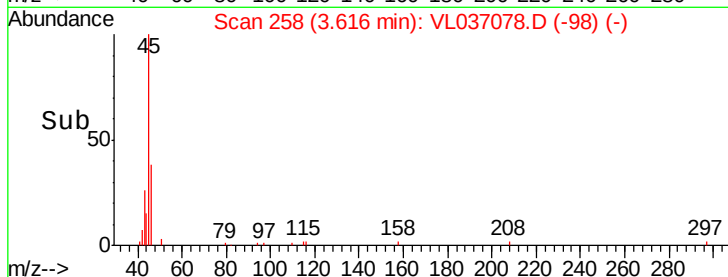
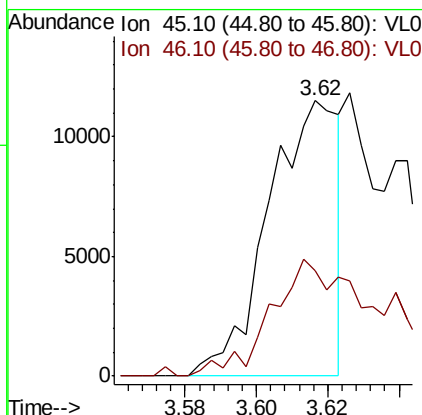
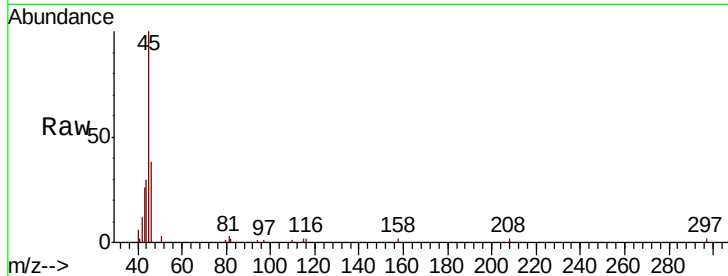




#13
Ethanol
Concen: 1.196 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

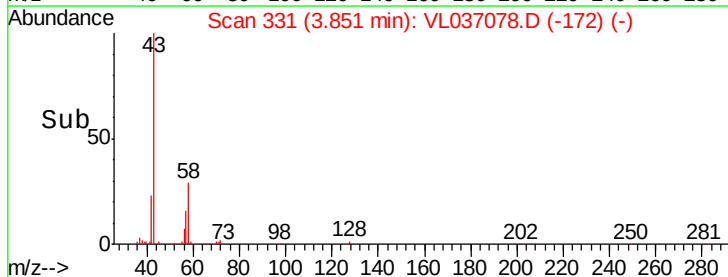
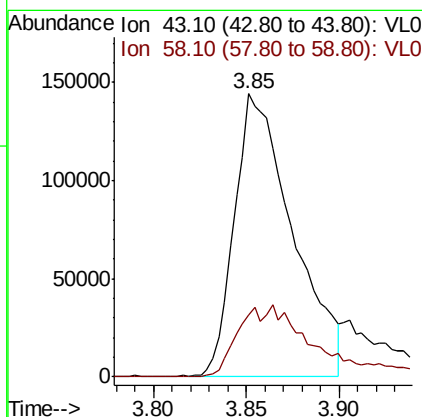
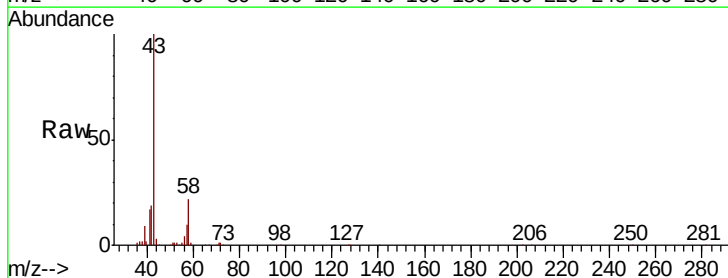
Instrument :
MSVOA_L
ClientSampleId :

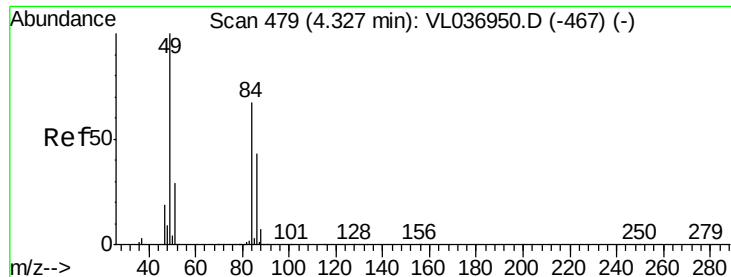
Tot Ion: 45 Resp: 15684
Ion Ratio Lower Upper
45 100
46 105.8 16.3 65.3#



#15
Acetone
Concen: 2.043 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

Tgt Ion: 43 Resp: 313632
Ion Ratio Lower Upper
43 100
58 35.0 24.0 36.0

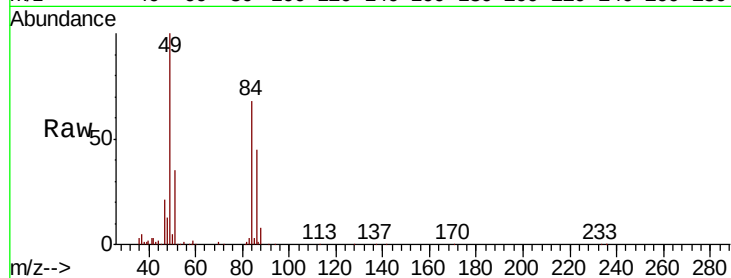




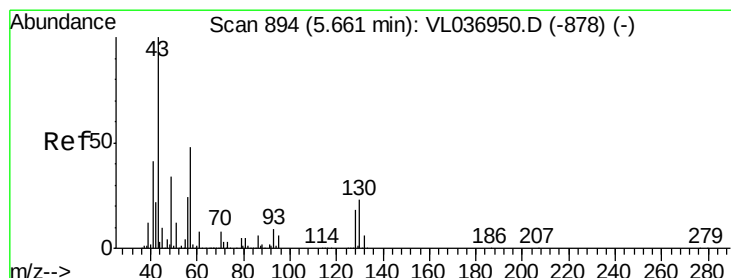
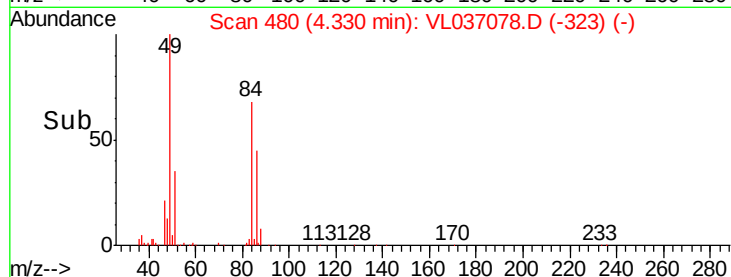
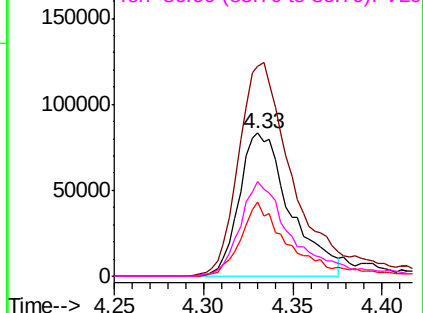
#20
Methylene Chloride
Concen: 2.015 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	165811
Ion	Ratio	Lower	Upper
84	100		
49	147.2	119.8	179.6
51	51.5	35.1	52.7
86	66.3	50.9	76.3

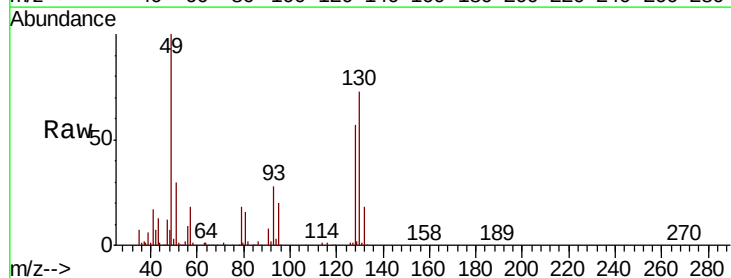


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

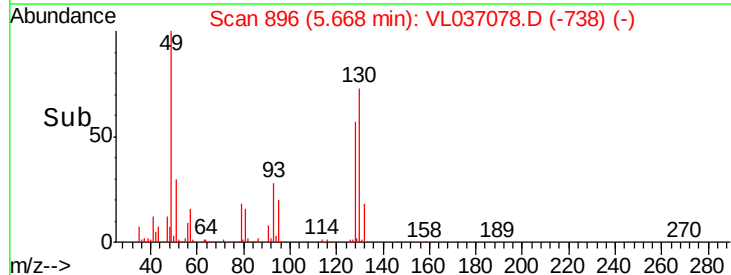
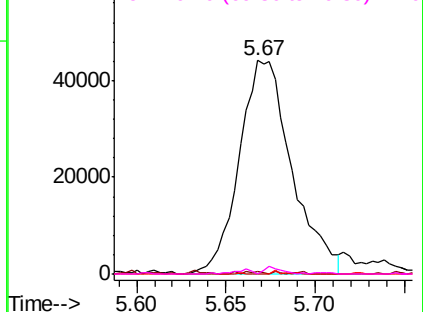


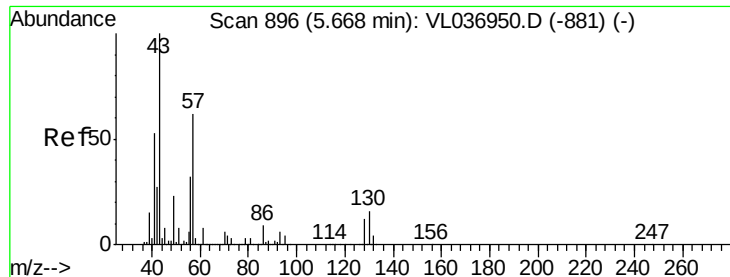
#25
Ethyl Acetate
Concen: 0.246 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

Tgt Ion:	43	Resp:	90662
Ion	Ratio	Lower	Upper
43	100		
45	0.8	7.8	11.8#
61	0.3	7.8	11.8#
70	2.1	5.6	8.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

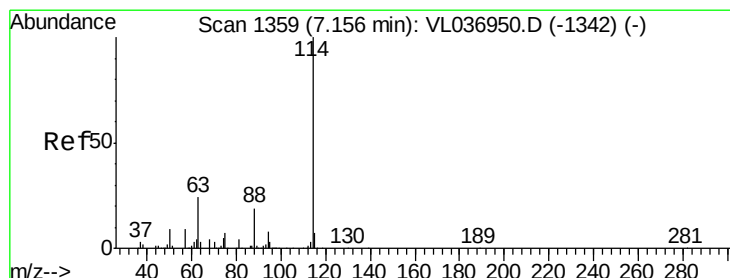
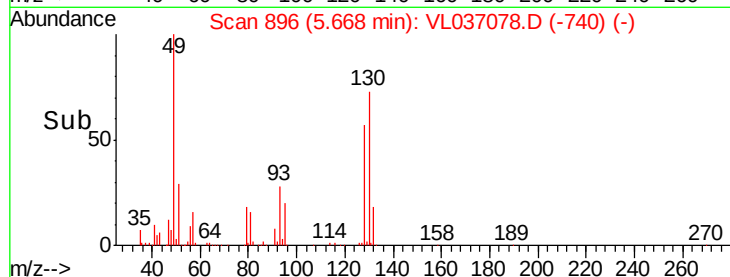
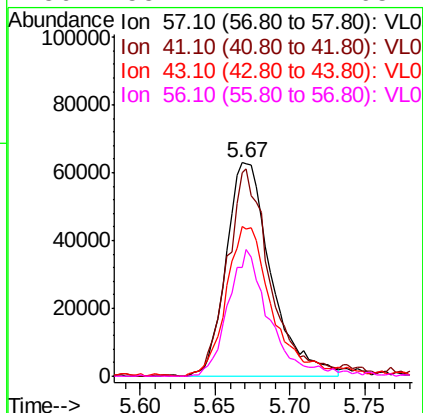
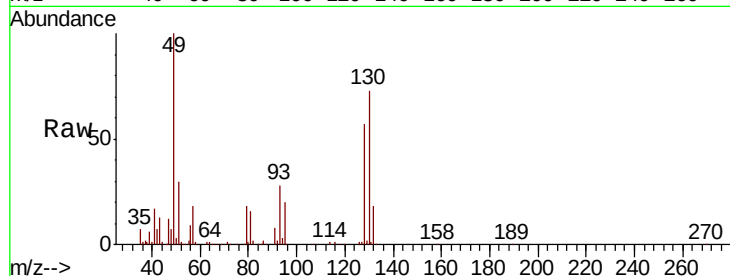




#26
Hexane
Concen: 0.700 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

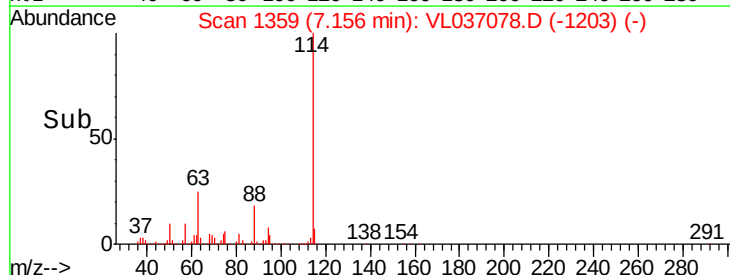
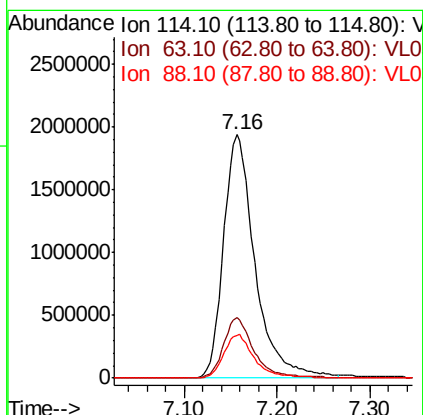
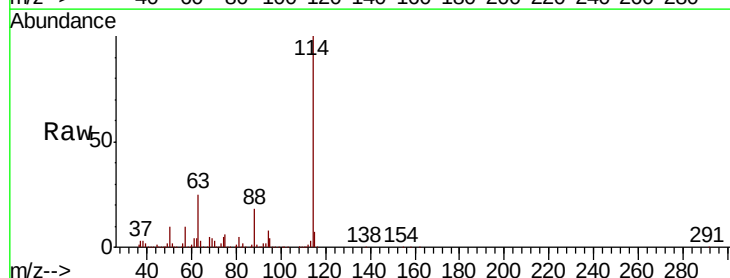
Instrument :
MSVOA_L
ClientSampleId :

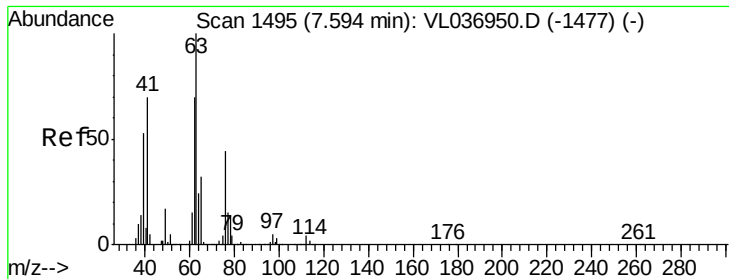
Tot Ion: 57 Resp: 131883
Ion Ratio Lower Upper
57 100
41 97.5 70.5 105.7
43 75.3 165.8 248.8#
56 55.7 42.2 63.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037078.D
Acq: 1 Jun 2021 20:14

Tgt Ion: 114 Resp: 4569890
Ion Ratio Lower Upper
114 100
63 24.5 19.6 29.4
88 17.7 14.6 21.8

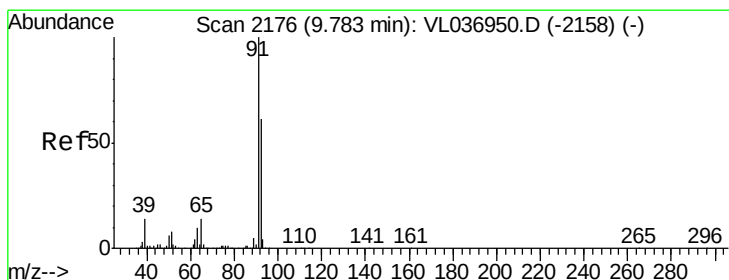
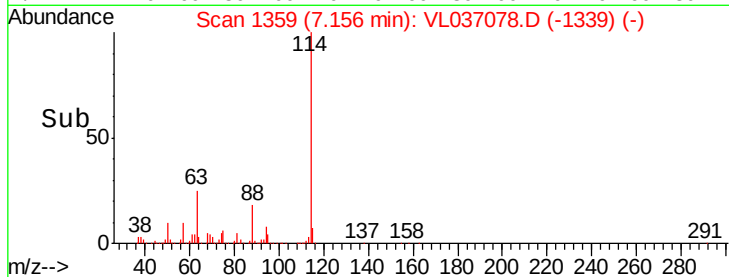
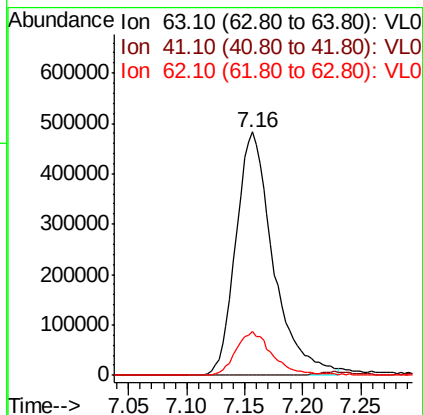
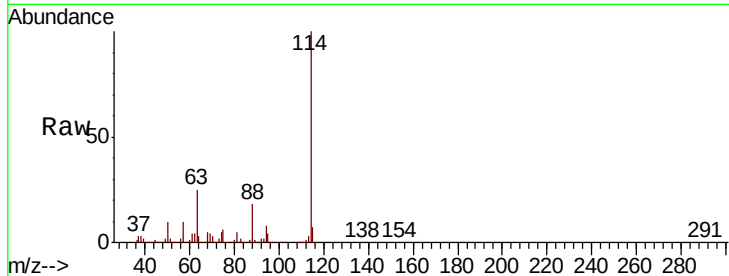




#39
 1,2-Dichloropropane
 Concen: 7.123 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037078.D
 Acq: 1 Jun 2021 20:14

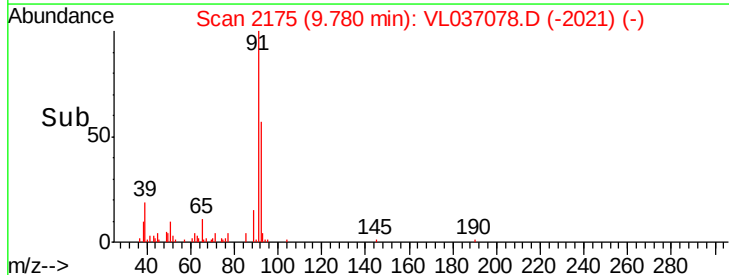
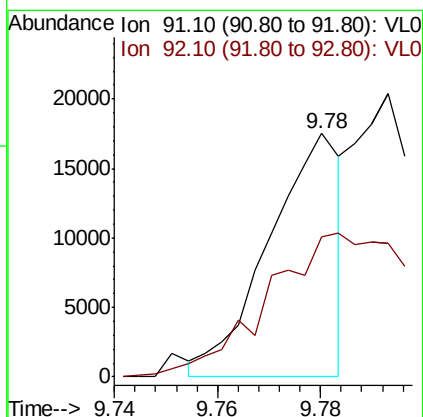
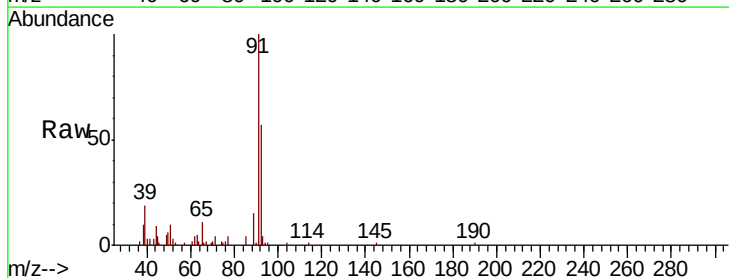
Instrument :
 MSVOA_L
 ClientSampleId :

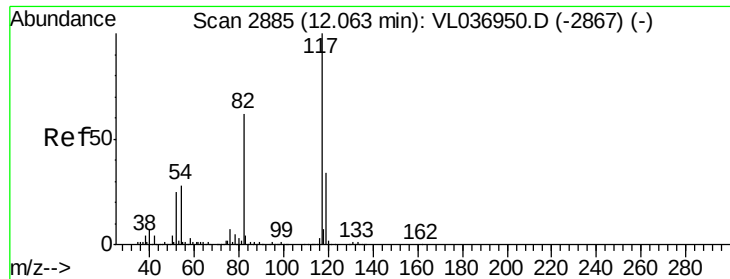
Tot Ion: 63 Resp: 1080109
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 18.0 56.2 84.4#



#53
 Toluene
 Concen: 0.036 ppbv
 RT: 9.78 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VL037078.D
 Acq: 1 Jun 2021 20:14

Tgt Ion: 91 Resp: 16938
 Ion Ratio Lower Upper
 91 100
 92 150.8 49.5 74.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037078.D

Acq: 1 Jun 2021 20:14

Instrument :

MSVOA_L

ClientSampleId :

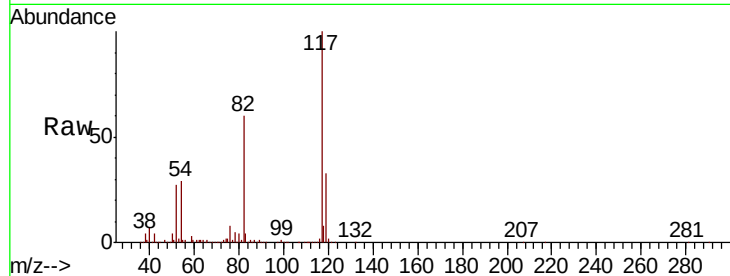
Tot Ion:117 Resp: 4121849

Ion Ratio Lower Upper

117 100

82 63.7 52.6 79.0

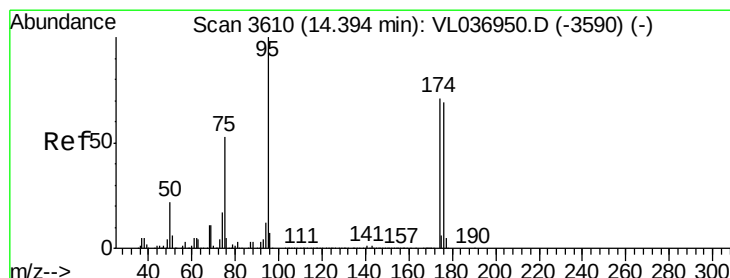
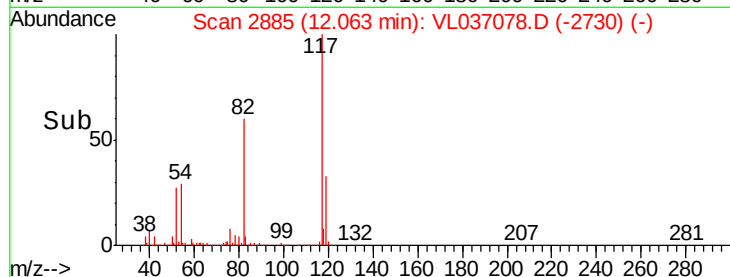
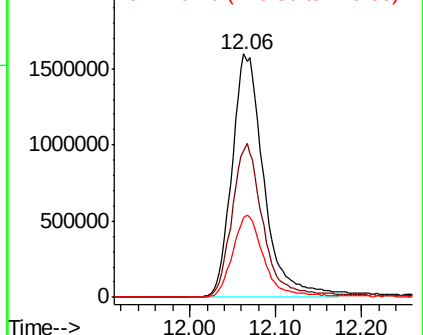
119 34.6 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.563 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037078.D

Acq: 1 Jun 2021 20:14

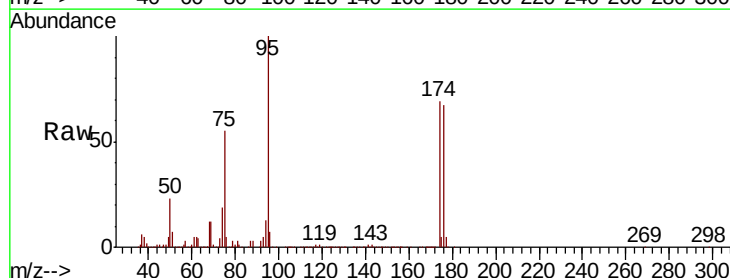
Tgt Ion: 95 Resp: 2961213

Ion Ratio Lower Upper

95 100

174 77.2 58.4 87.6

175 5.6 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

