

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039023.D
 Acq On : 11 May 2022 16:11
 Operator : SY/AP
 Sample : N2698-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: May 11 16:40:14 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	965265	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	2737796	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2318408	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1785698	9.73	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

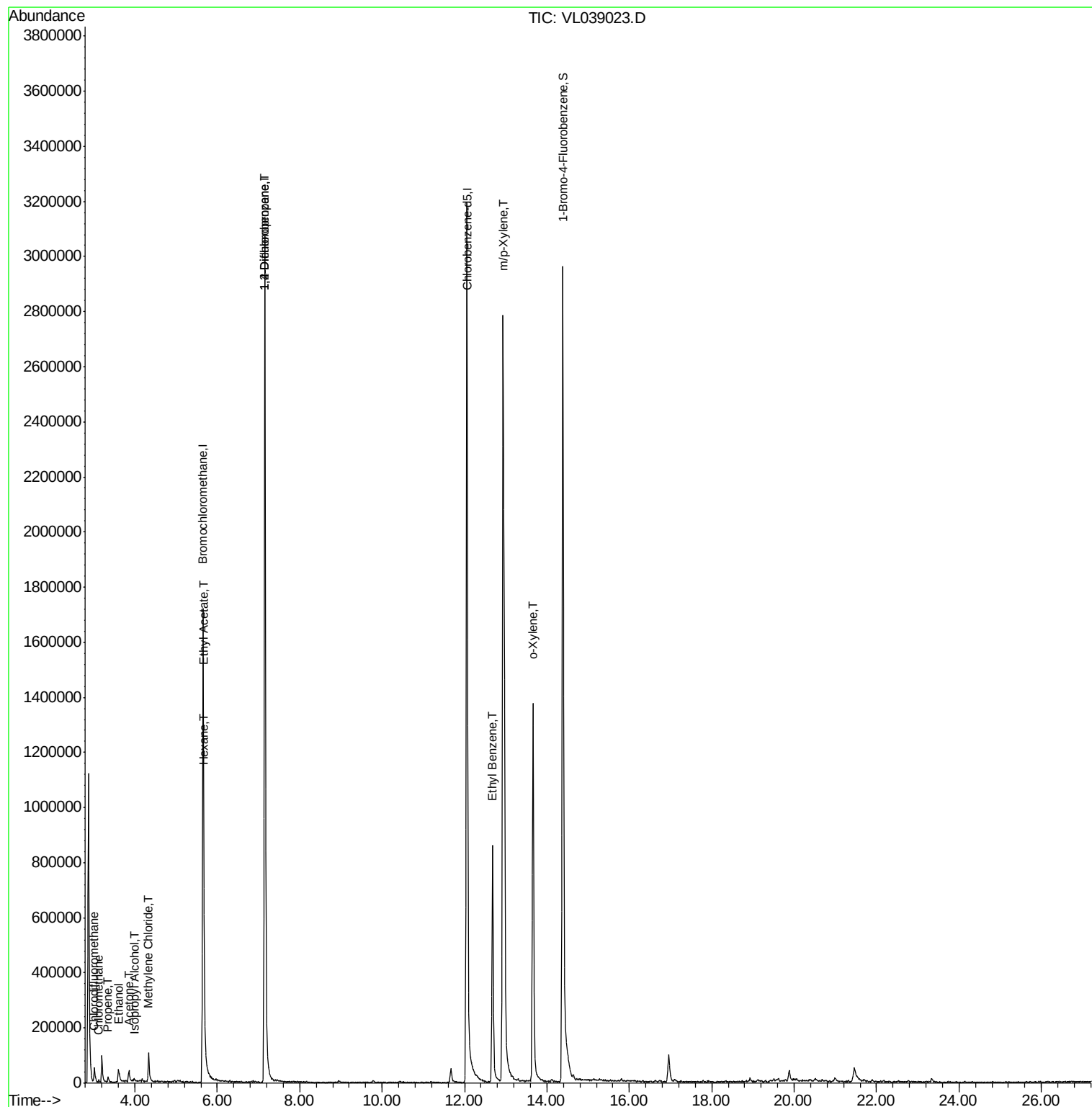
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	3823	0.03	ppbv #	68
4) Chloromethane	3.13	50	1819	0.03	ppbv #	55
9) Propene	3.35	41	3313	0.06	ppbv	93
13) Ethanol	3.60	45	51805	13.99	ppbv	89
15) Acetone	3.85	43	33182	0.36	ppbv #	51
19) Isopropyl Alcohol	3.97	45	4789	0.11	ppbv #	61
20) Methylene Chloride	4.33	84	36564	1.07	ppbv #	82
25) Ethyl Acetate	5.67	43	46749	0.21	ppbv #	78
26) Hexane	5.68	57	64843	0.67	ppbv #	41
39) 1,2-Dichloropropane	7.15	63	663315	7.28	ppbv #	26
58) Ethyl Benzene	12.68	91	868091	2.60	ppbv	98
59) m/p-Xylene	12.94	91	3246053	11.40	ppbv	93
60) o-Xylene	13.66	91	1217166	4.54	ppbv	99

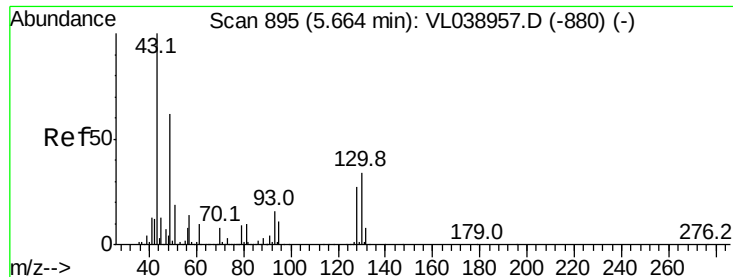
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 16:40:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
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QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

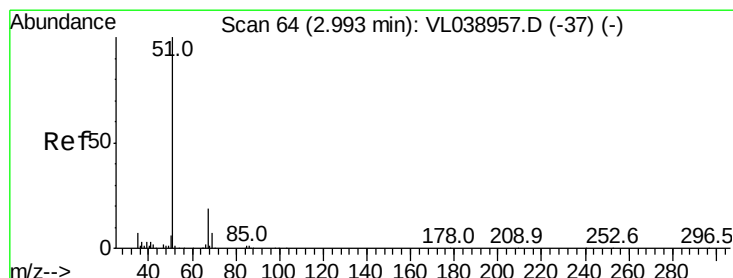
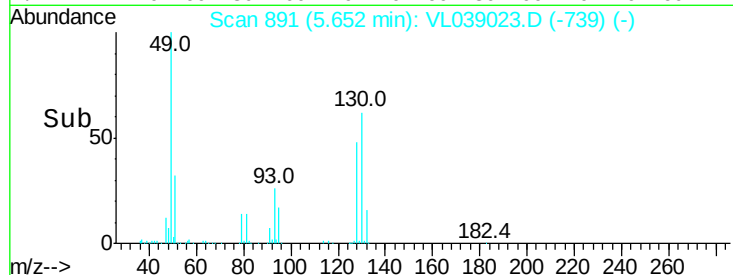
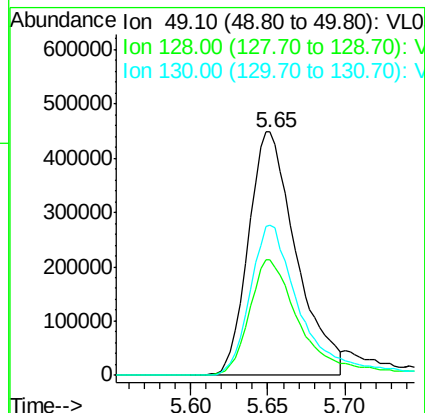
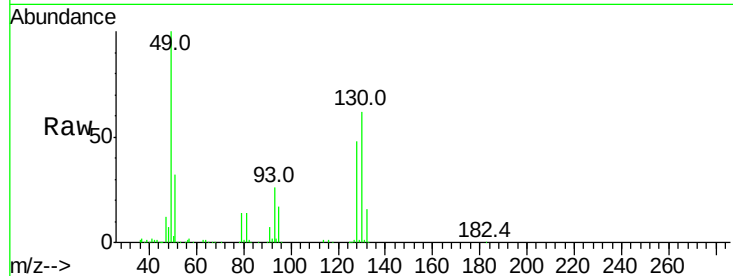
RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 11 May 2022 16:11

Tgt Ion:	49	Resp:	965265
Ion Ratio	Lower	Upper	
49	100		
128	52.5	23.3	69.8
130	67.8	29.8	89.3



#3

Chlorodifluoromethane

Concen: 0.03 ppbv

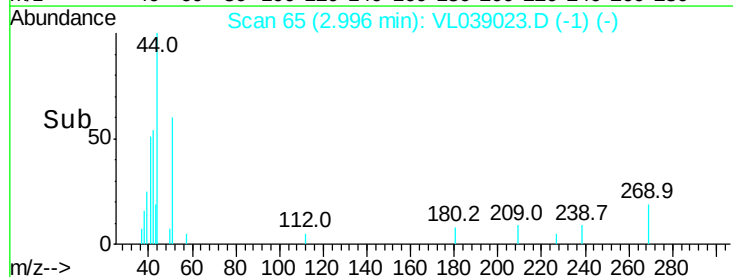
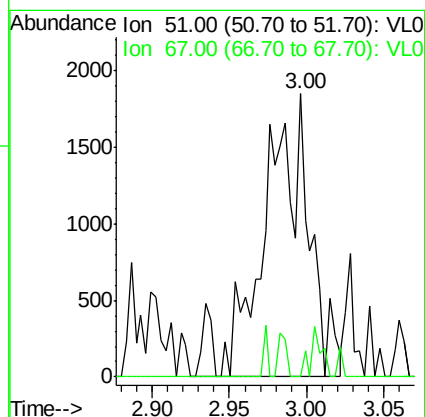
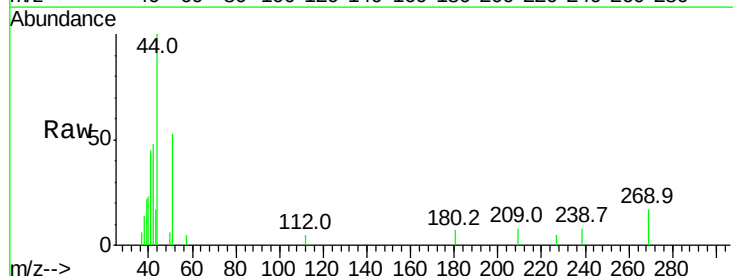
RT: 3.00 min Scan# 65

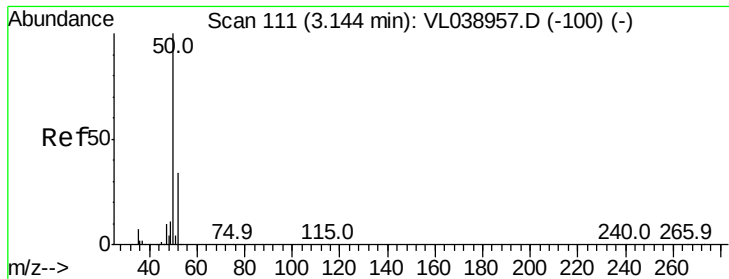
Delta R.T. 0.00 min

Lab File: VL039023.D

Acq: 11 May 2022 16:11

Tgt Ion:	51	Resp:	3823
Ion Ratio	Lower	Upper	
51	100		
67	5.3	15.8	23.8#





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

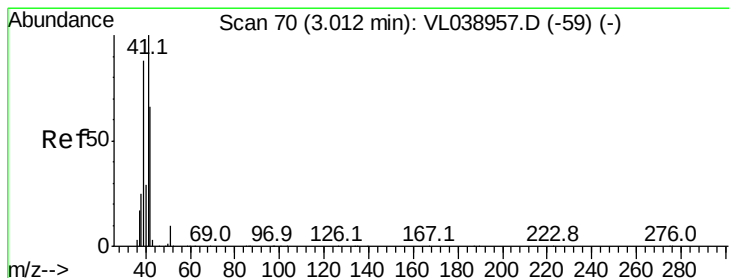
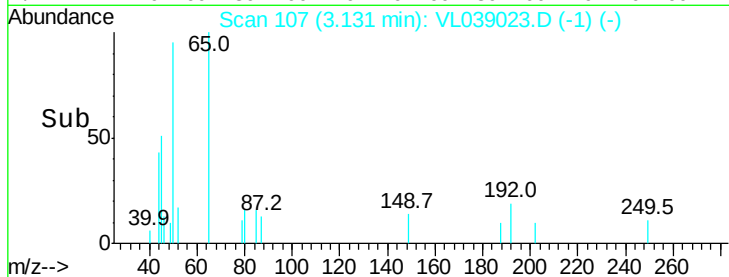
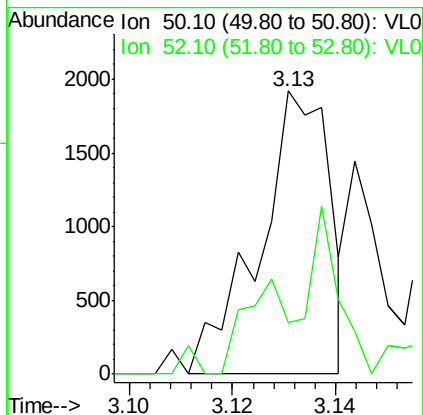
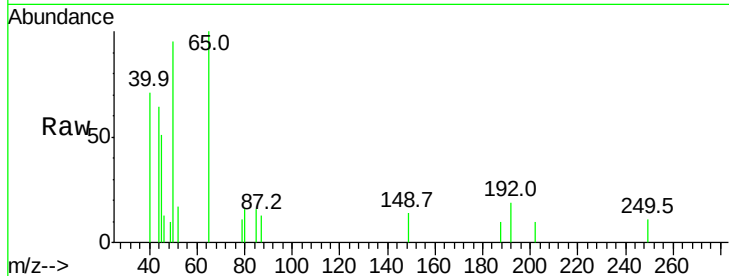
Acq: 11 May 2022 16:11

Tgt Ion: 50 Resp: 1819

Ion Ratio Lower Upper

50 100

52 8.1 27.3 40.9#



#9

Propene

Concen: 0.06 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.34 min

Lab File: VL039023.D

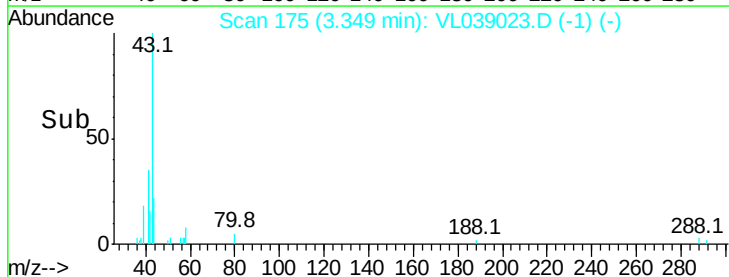
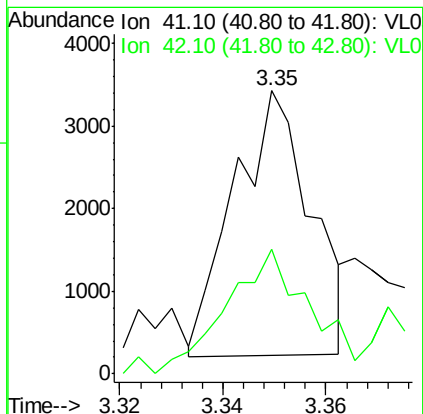
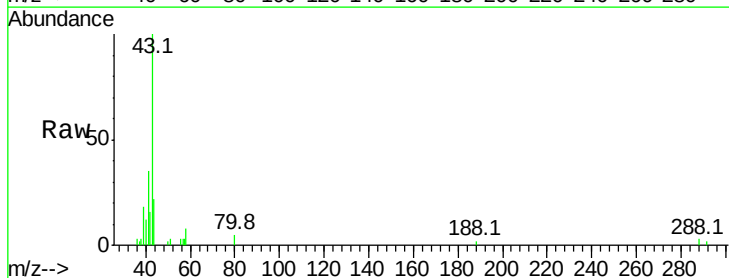
Acq: 11 May 2022 16:11

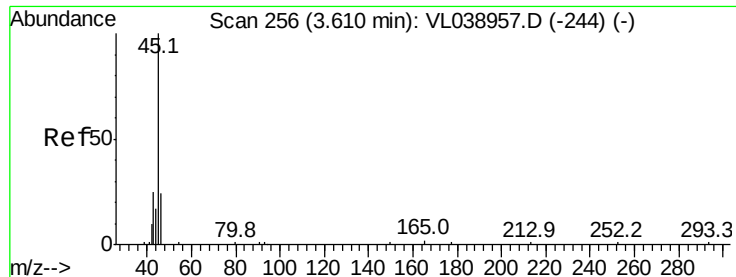
Tgt Ion: 41 Resp: 3313

Ion Ratio Lower Upper

41 100

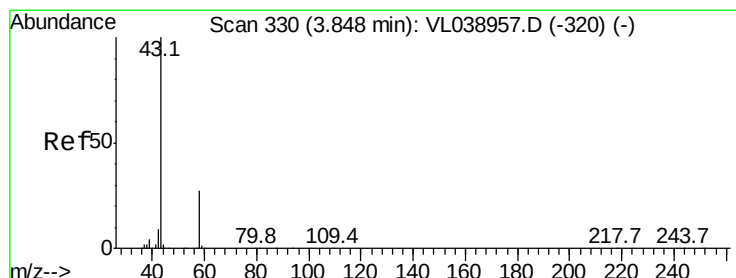
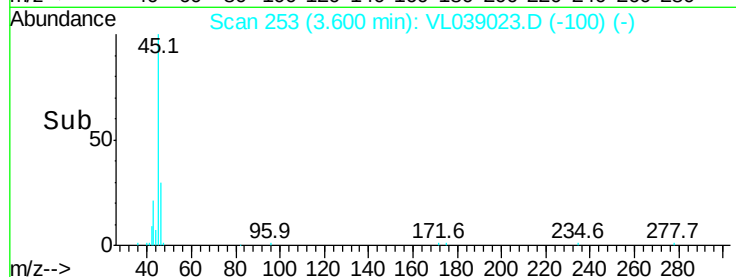
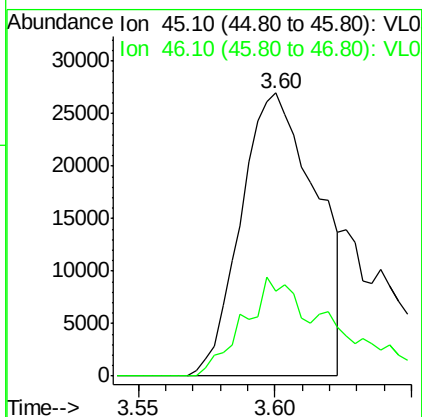
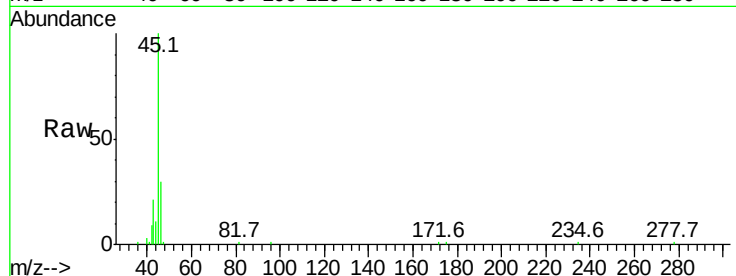
42 66.8 58.3 87.5





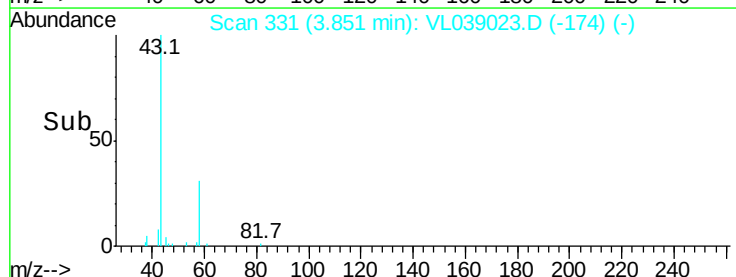
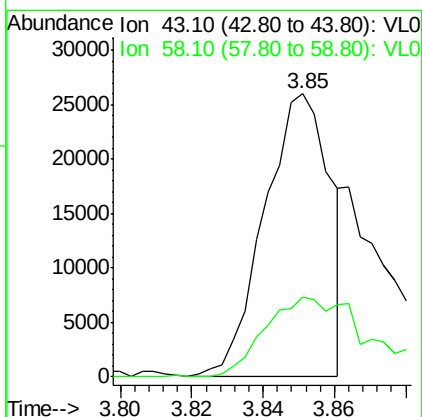
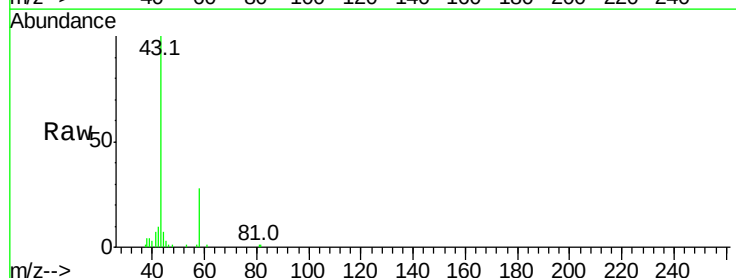
#13
 Ethanol
 Concen: 13.99 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 May 2022 16:11

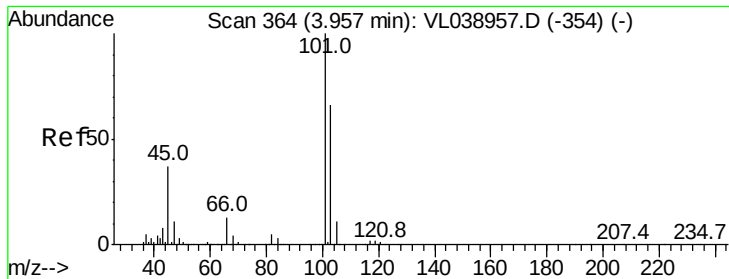
Tgt Ion: 45 Resp: 51805
 Ion Ratio Lower Upper
 45 100
 46 52.4 18.0 72.2



#15
 Acetone
 Concen: 0.36 ppbv
 RT: 3.85 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL039023.D
 Acq: 11 May 2022 16:11

Tgt Ion: 43 Resp: 33182
 Ion Ratio Lower Upper
 43 100
 58 51.6 21.3 31.9#





#19

Isopropyl Alcohol

Concen: 0.11 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

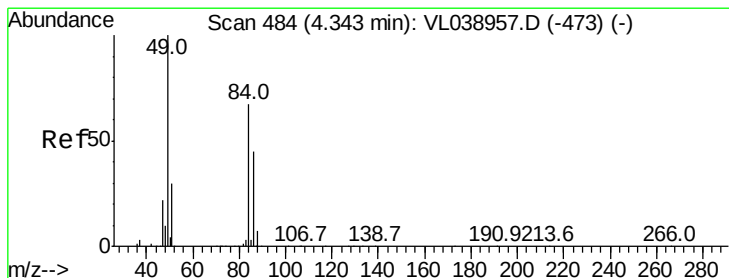
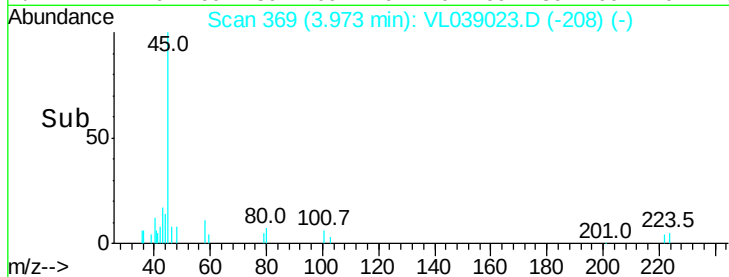
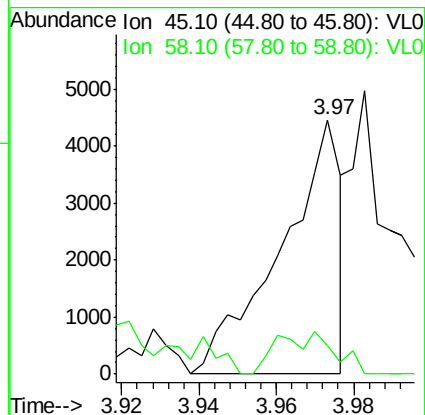
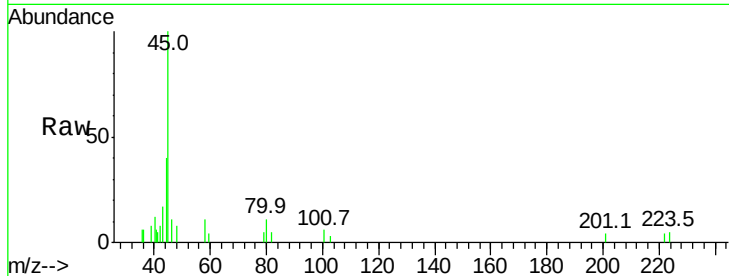
Acq: 11 May 2022 16:11

Tgt Ion: 45 Resp: 4789

Ion Ratio Lower Upper

45 100

58 15.9 1.4 2.2#



#20

Methylene Chloride

Concen: 1.07 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL039023.D

Acq: 11 May 2022 16:11

Tgt Ion: 84 Resp: 36564

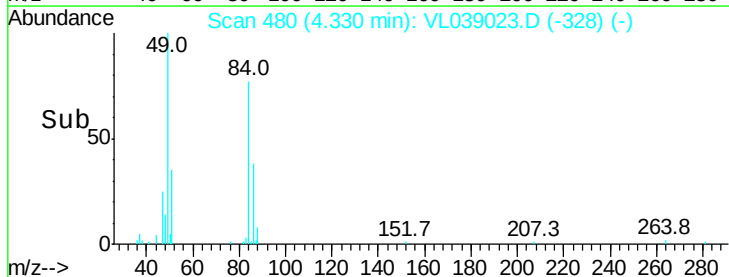
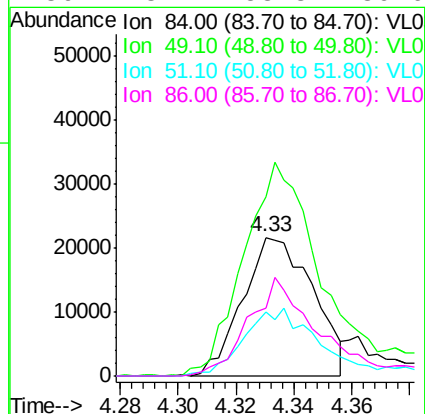
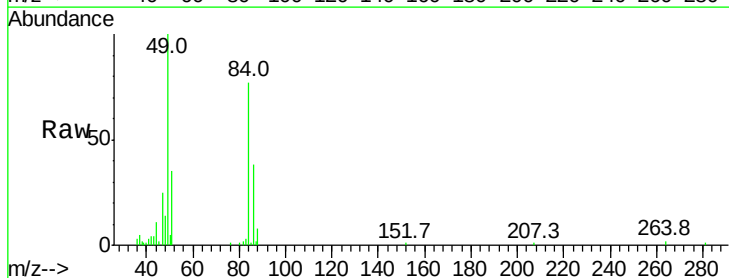
Ion Ratio Lower Upper

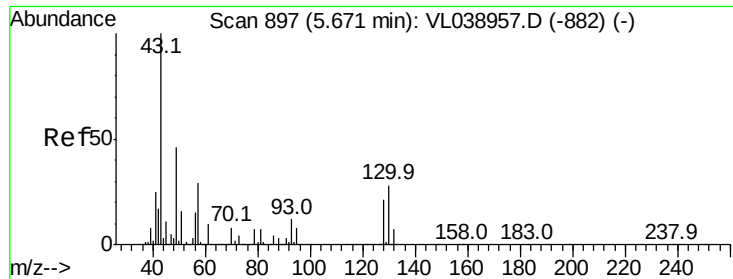
84 100

49 123.9 119.9 179.9

51 44.3 35.7 53.5

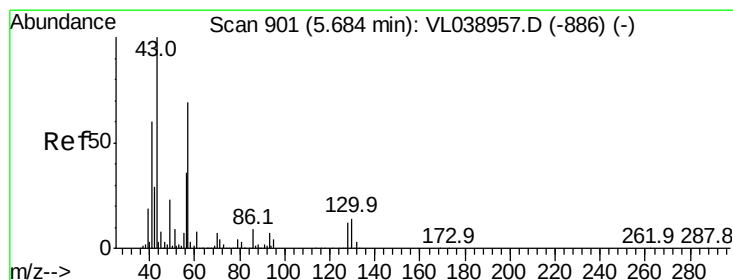
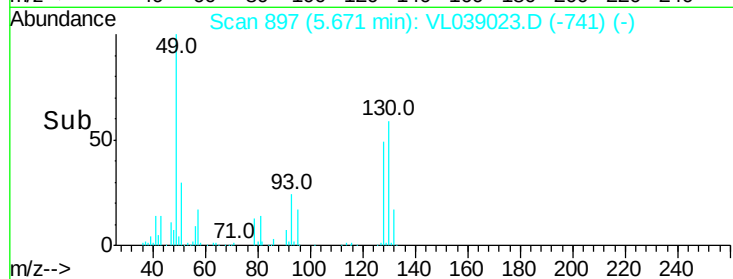
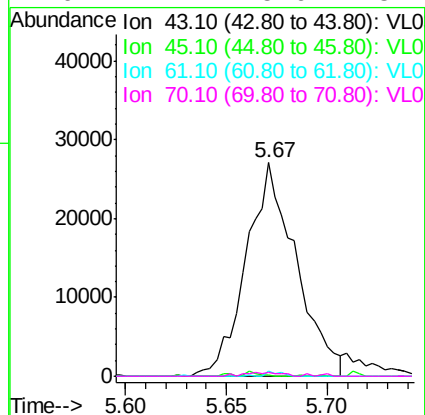
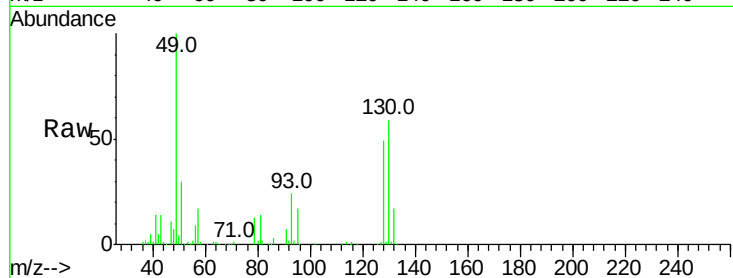
86 48.1 53.8 80.6#





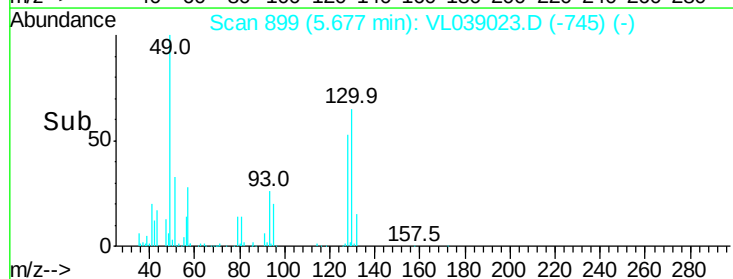
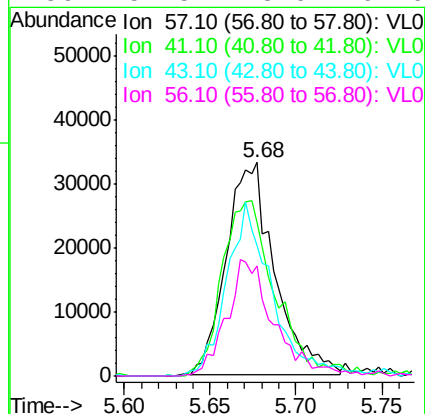
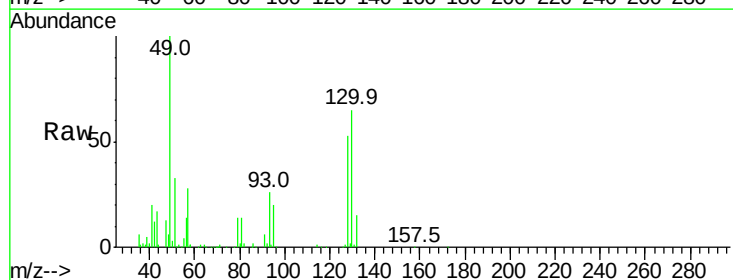
#25
Ethyl Acetate
Concen: 0.21 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 11 May 2022 16:11

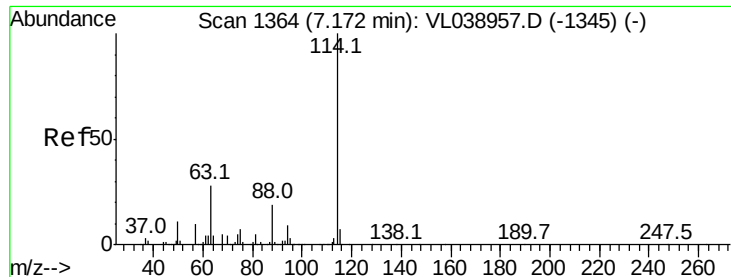
Tgt Ion:	43	Resp:	46749
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.1	12.1#
61	0.8	7.8	11.6#
70	1.7	5.6	8.4#



#26
Hexane
Concen: 0.67 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL039023.D
Acq: 11 May 2022 16:11

Tgt Ion:	57	Resp:	64843
Ion	Ratio	Lower	Upper
57	100		
41	91.6	75.2	112.8
43	78.0	190.8	286.2#
56	54.5	43.0	64.6

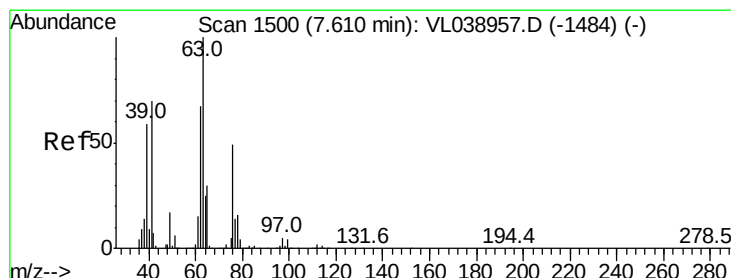
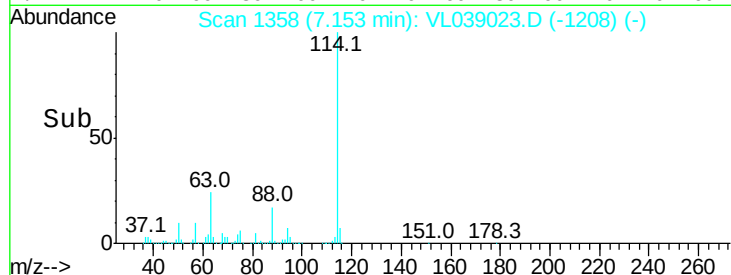
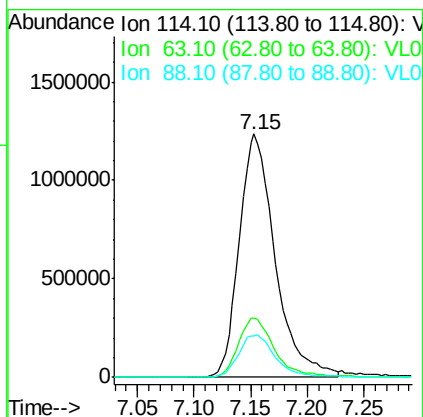
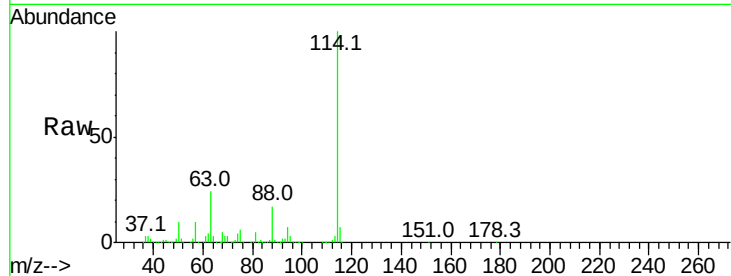




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 11 May 2022 16:11

Tgt Ion: 114 Resp: 2737796

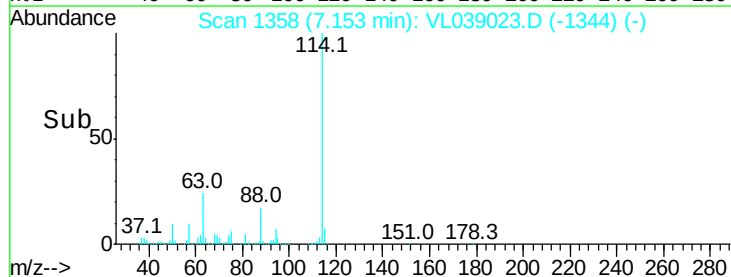
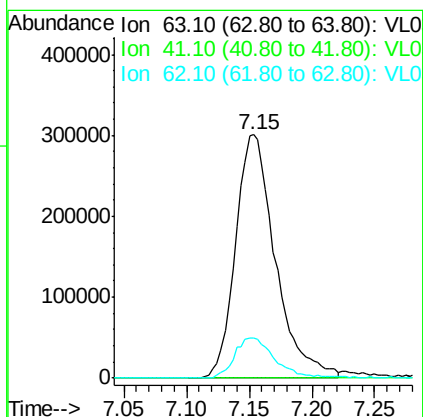
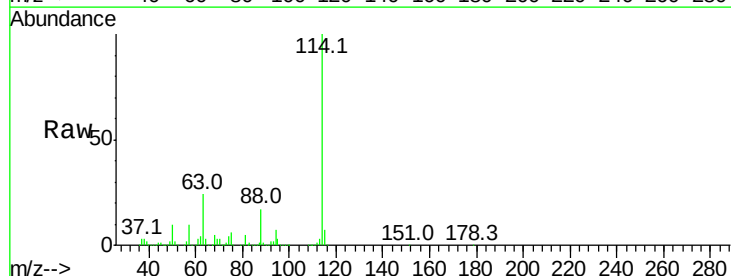
Ion	Ratio	Lower	Upper
114	100		
63	24.9	22.6	33.8
88	18.2	15.4	23.0

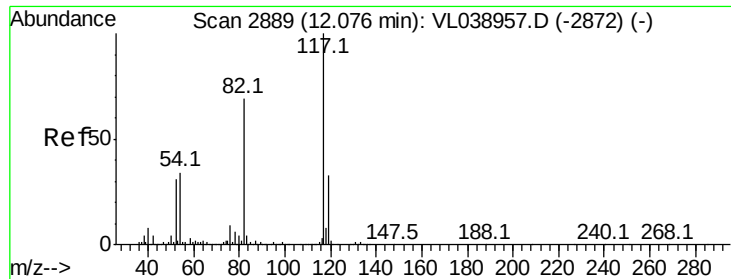


#39
 1,2-Dichloropropane
 Concen: 7.28 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T.: -0.46 min
 Lab File: VL039023.D
 Acq: 11 May 2022 16:11

Tgt Ion: 63 Resp: 663315

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	16.6	53.8	80.6#

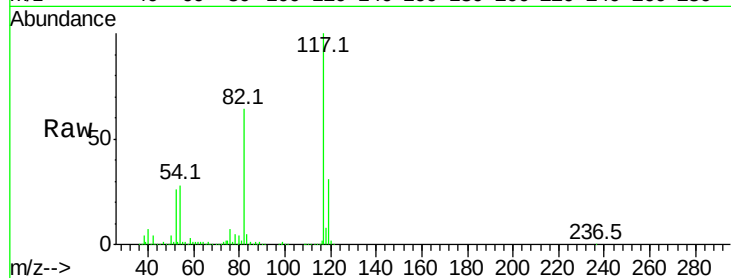




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 11 May 2022 16:11

Tgt Ion: 117 Resp: 2318408

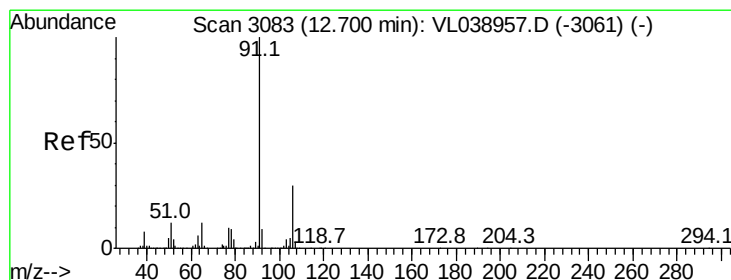
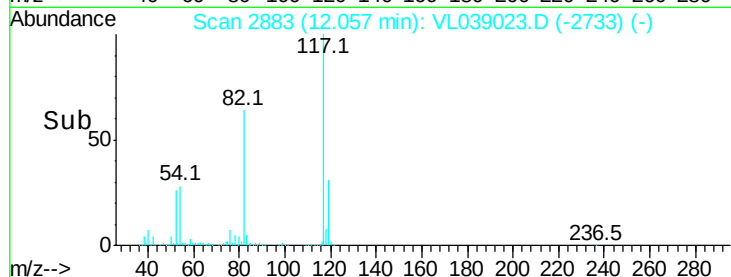
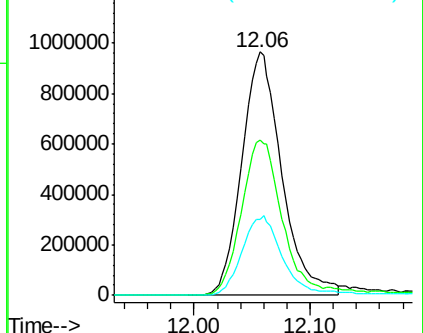
Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.0	85.6
119	33.9	27.2	40.8



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

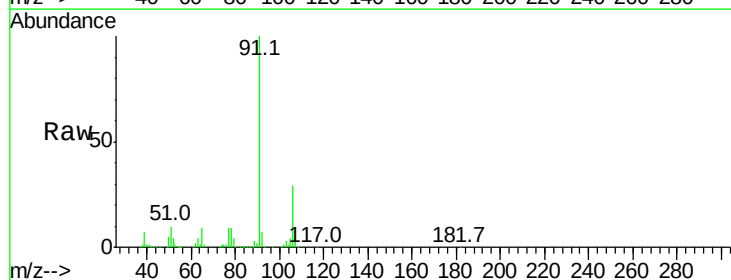
Ion 119.10 (118.80 to 119.80): V



#58
Ethyl Benzene
Concen: 2.60 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.02 min
Lab File: VL039023.D
Acq: 11 May 2022 16:11

Tgt Ion: 91 Resp: 868091

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

