

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061422\
 Data File : VL039294.D
 Acq On : 15 Jun 2022 11:09
 Operator : SY/AP
 Sample : N3326-05DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jun 16 01:15:19 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1347837	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3759738	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3343400	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2478438	8.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.70%

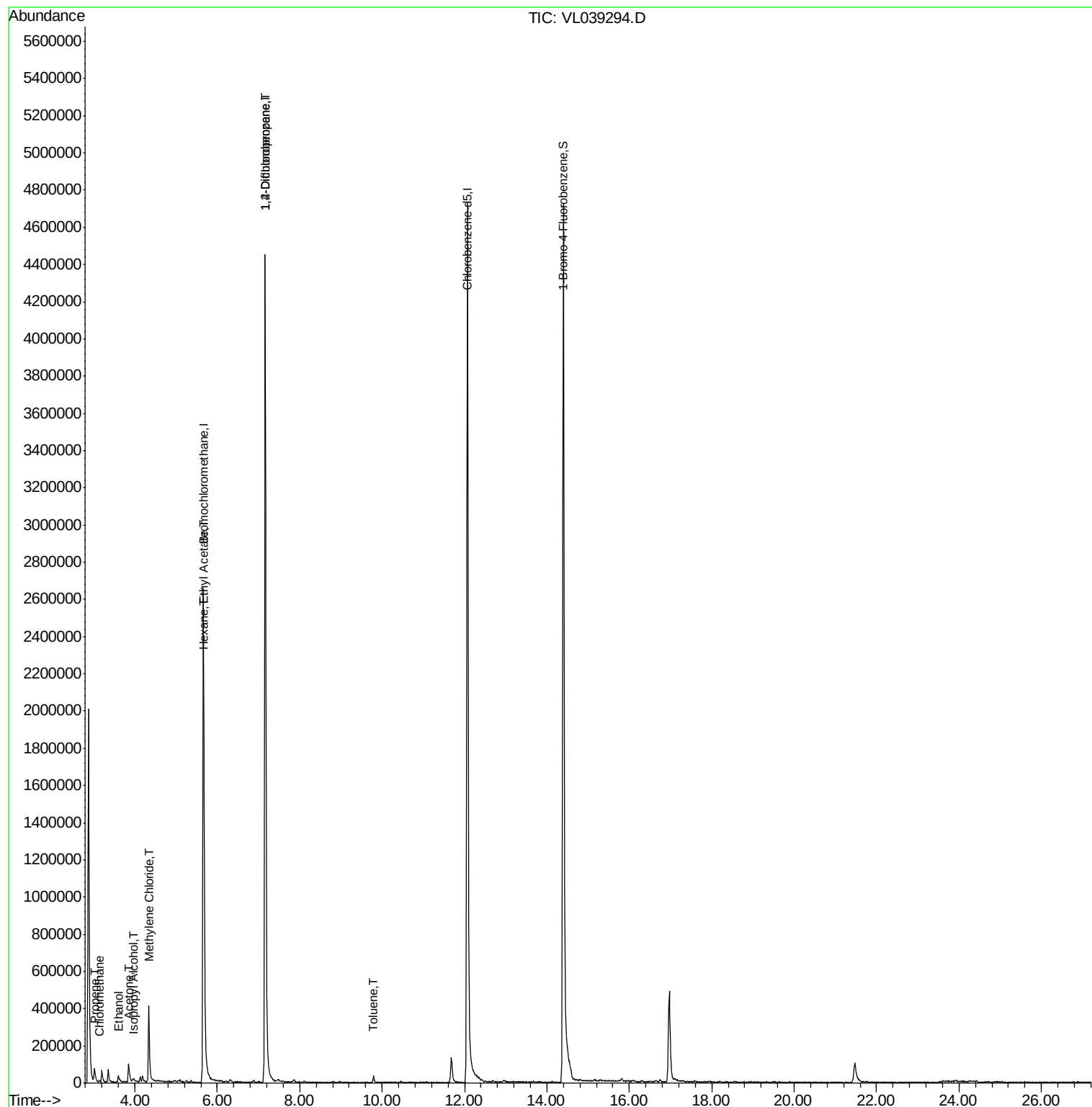
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	8237	0.094	ppbv	95
9) Propene	3.01	41	9431	0.126	ppbv #	45
13) Ethanol	3.59	45	41609	10.203	ppbv #	100
15) Acetone	3.84	43	117089	0.834	ppbv	98
19) Isopropyl Alcohol	3.96	45	2219	0.034	ppbv #	93
20) Methylene Chloride	4.34	84	160905	2.719	ppbv	95
25) Ethyl Acetate	5.68	43	181425	0.573	ppbv #	78
26) Hexane	5.68	57	255257	1.836	ppbv #	40
39) 1,2-Dichloropropane	7.16	63	916687	7.550	ppbv #	25
53) Toluene	9.79	91	11897	0.034	ppbv #	16

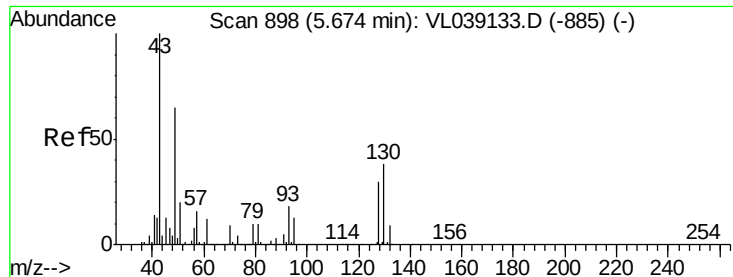
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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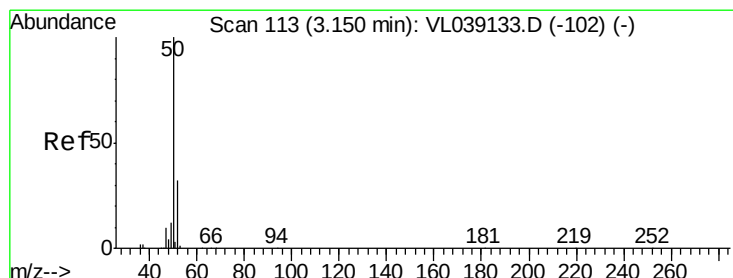
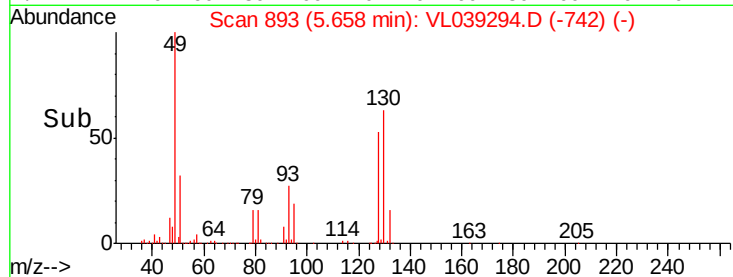
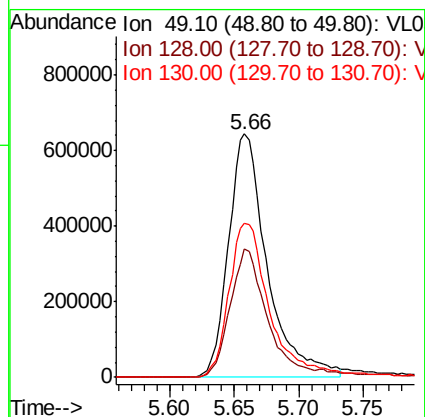
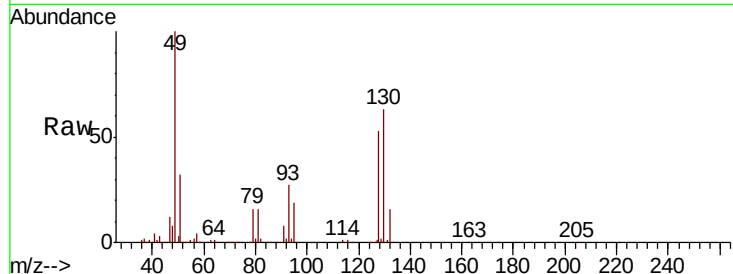
Quant Time: Jun 16 01:15:19 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
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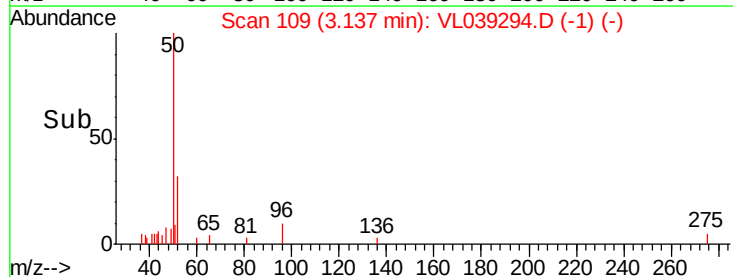
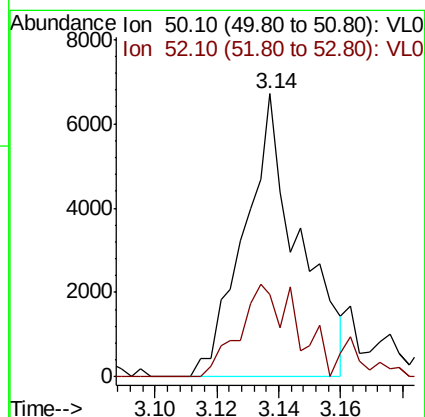
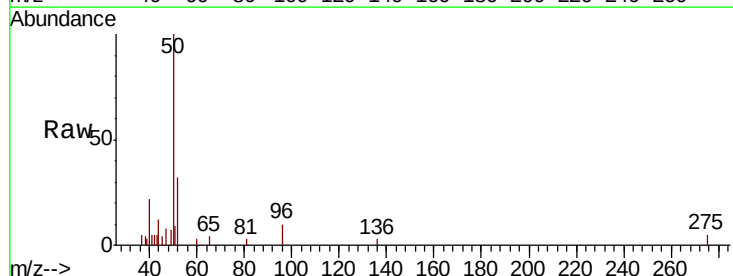
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 15 Jun 2022 11:09

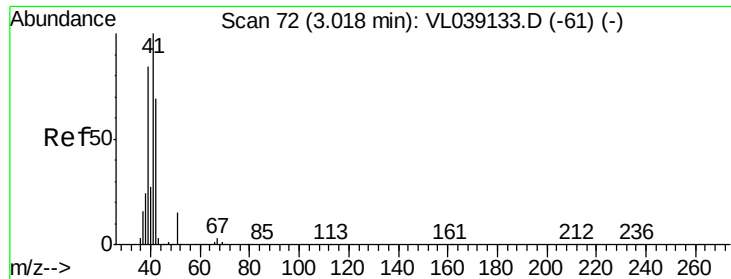
Tot Ion: 49 Resp: 1347837
 Ion Ratio Lower Upper
 49 100
 128 53.2 24.7 74.1
 130 69.5 31.4 94.0



#4
 Chloromethane
 Concen: 0.094 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.01 min
 Lab File: VL039294.D
 Acq: 15 Jun 2022 11:09

Tgt Ion: 50 Resp: 8237
 Ion Ratio Lower Upper
 50 100
 52 29.3 25.9 38.9





#9

Propene

Concen: 0.126 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

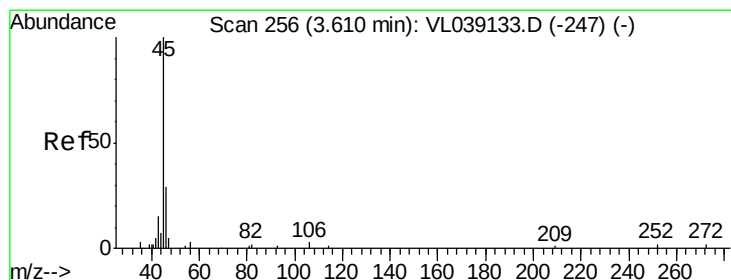
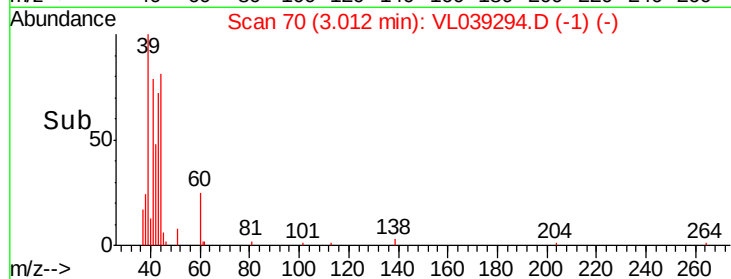
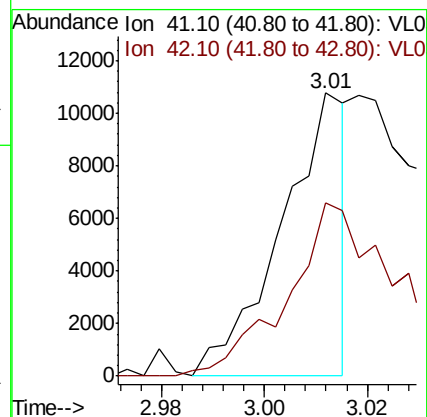
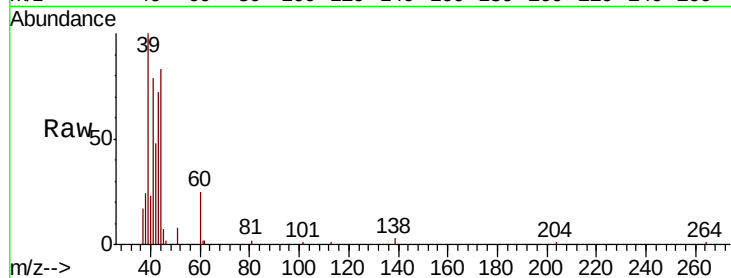
Acq: 15 Jun 2022 11:09

Tot Ion: 41 Resp: 9431

Ion Ratio Lower Upper

41 100

42 114.5 55.4 83.2#



#13

Ethanol

Concen: 10.203 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL039294.D

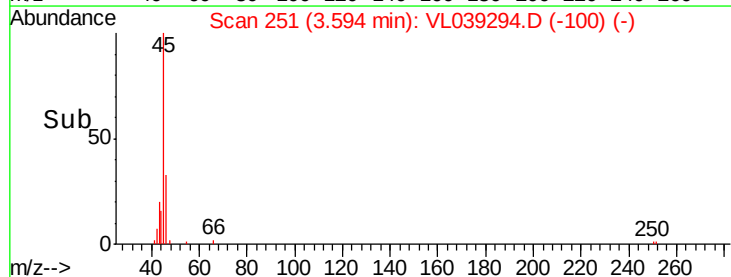
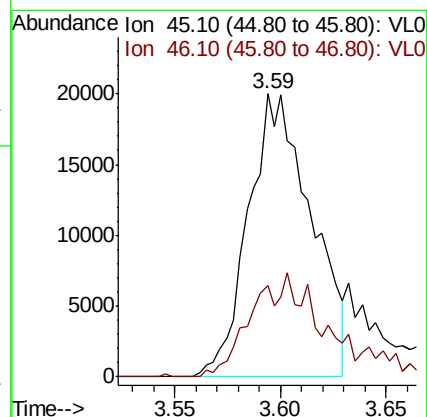
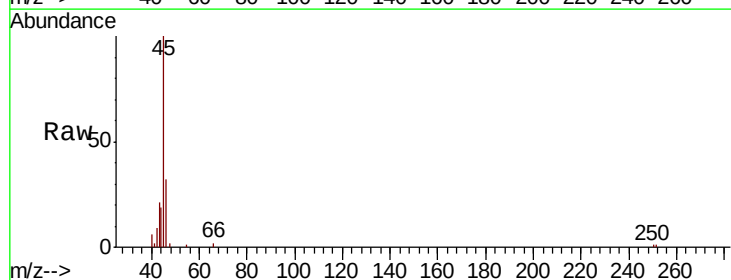
Acq: 15 Jun 2022 11:09

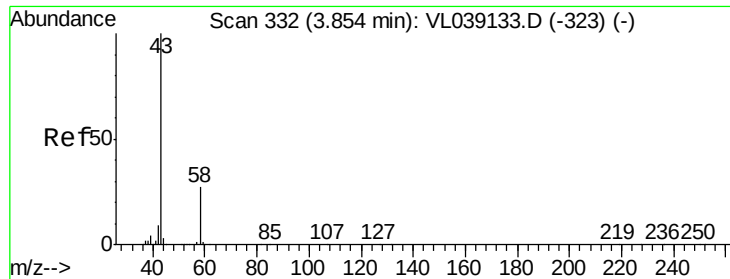
Tgt Ion: 45 Resp: 41609

Ion Ratio Lower Upper

45 100

46 47.7 0.0 0.0#





#15

Acetone

Concen: 0.834 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

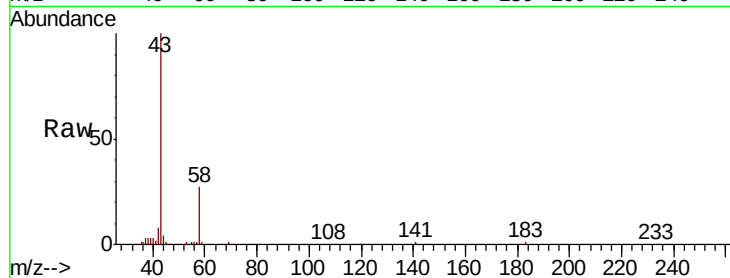
Acq: 15 Jun 2022 11:09

Tot Ion: 43 Resp: 117089

Ion Ratio Lower Upper

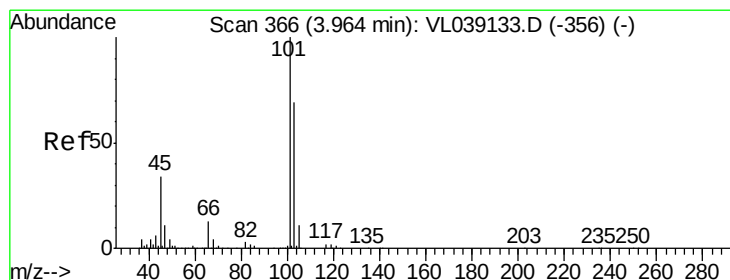
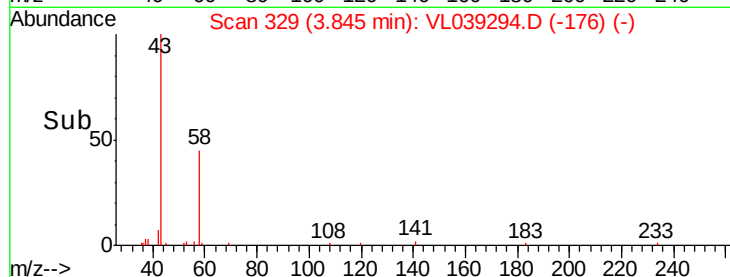
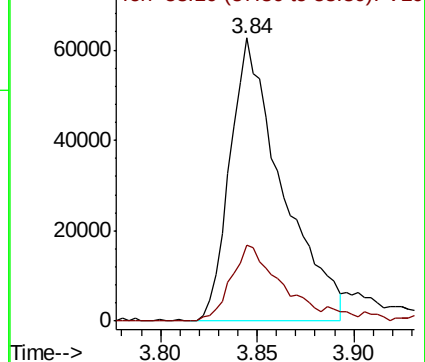
43 100

58 29.2 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.034 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL039294.D

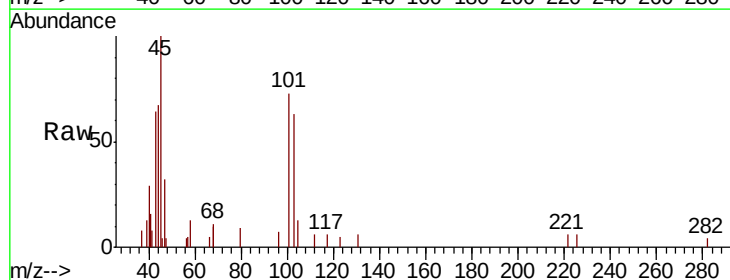
Acq: 15 Jun 2022 11:09

Tgt Ion: 45 Resp: 2219

Ion Ratio Lower Upper

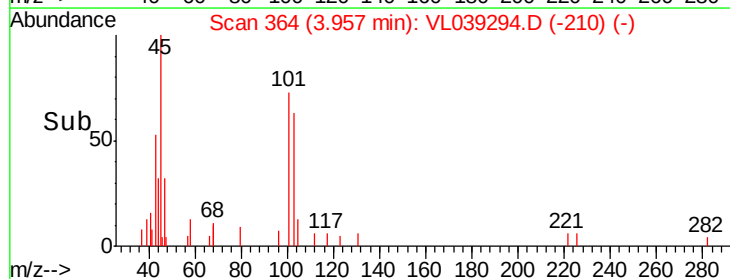
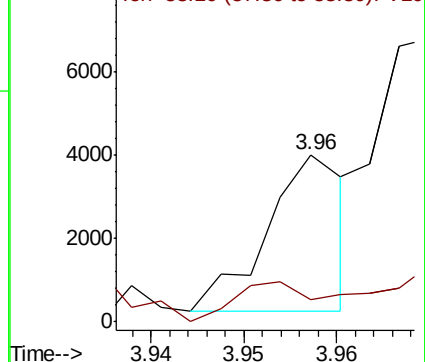
45 100

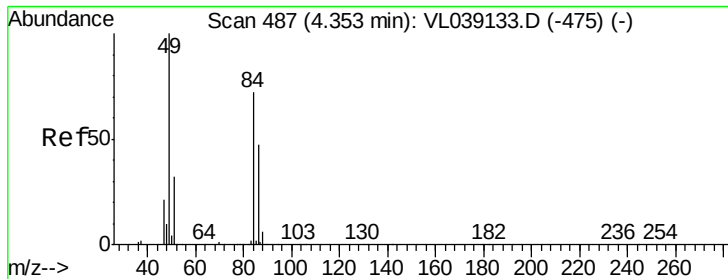
58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

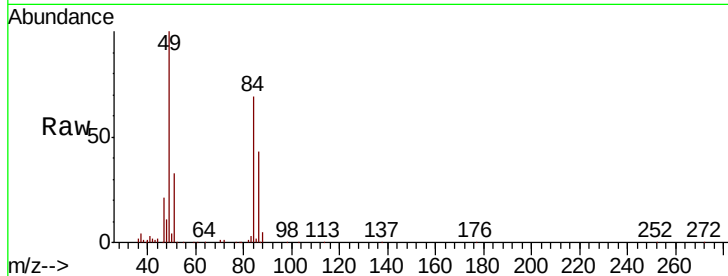
Ion 58.10 (57.80 to 58.80): VL0



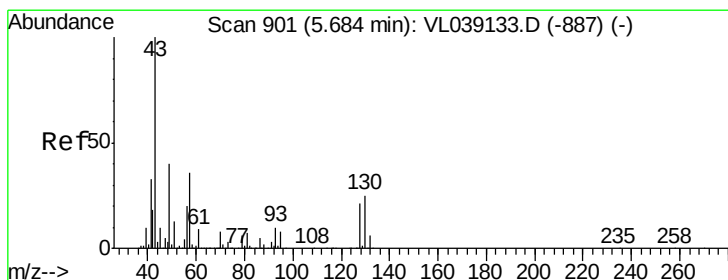
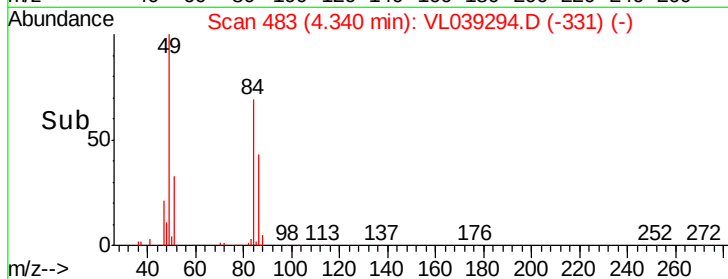
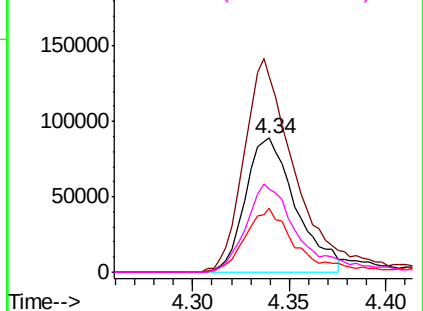


#20
Methvlene Chloride
Concen: 2.719 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 11:09

Tot Ion:	84	Resp:	160905
Ion	Ratio	Lower	Upper
84	100		
49	145.9	111.1	166.7
51	47.8	35.3	52.9
86	62.0	51.9	77.9

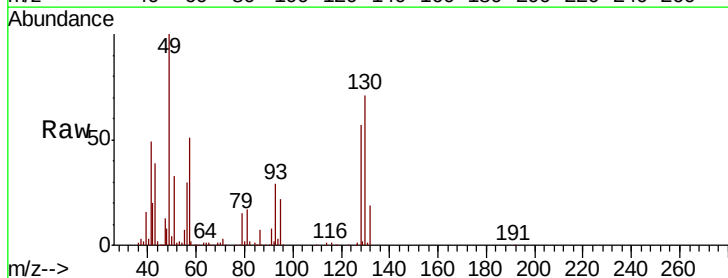


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

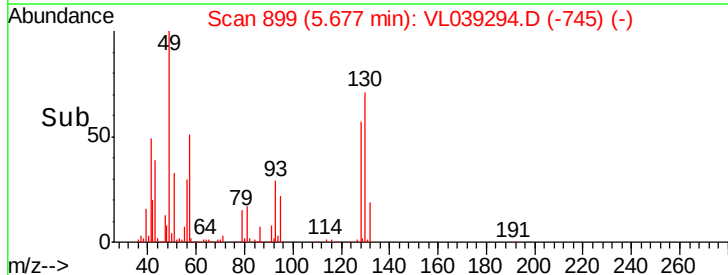
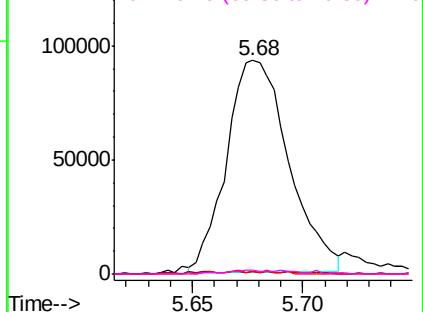


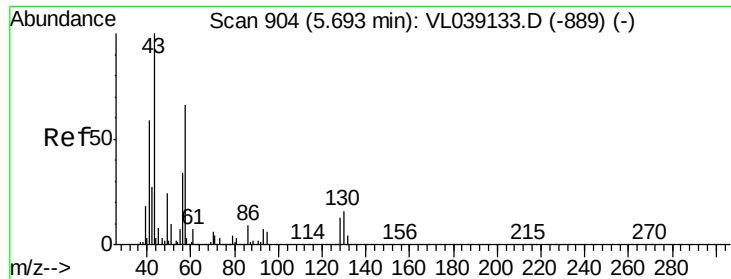
#25
Ethyl Acetate
Concen: 0.573 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL039294.D
Acq: 15 Jun 2022 11:09

Tgt Ion:	43	Resp:	181425
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.2#
61	1.3	8.4	12.6#
70	2.2	5.6	8.4#



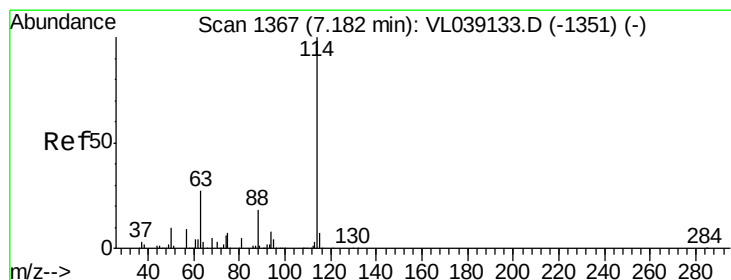
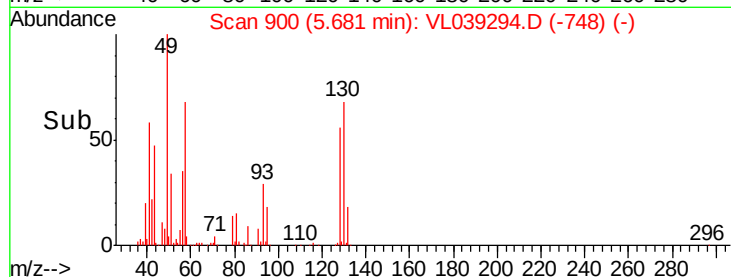
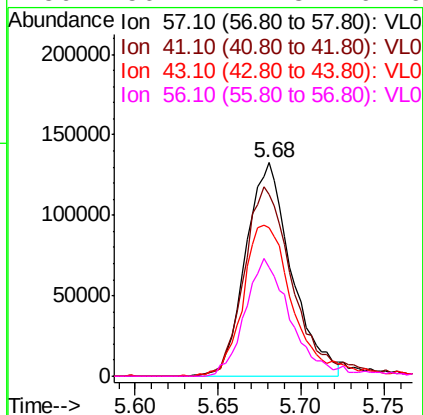
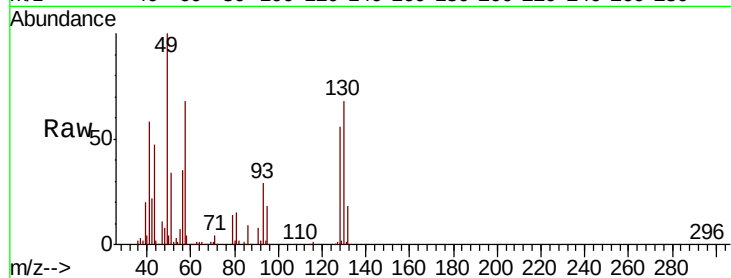
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





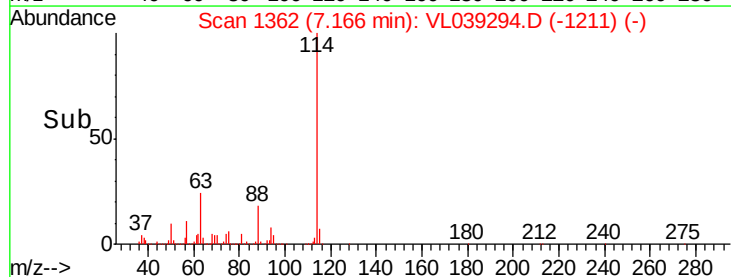
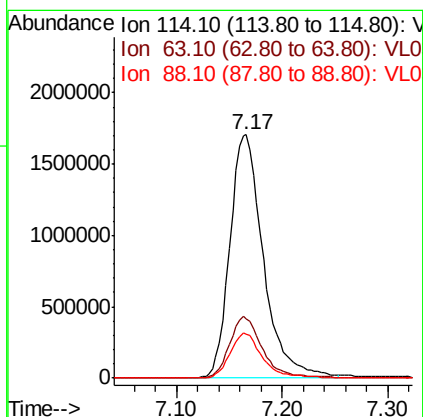
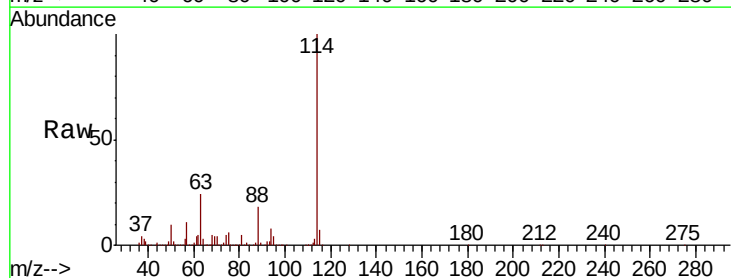
#26
Hexane
Concen: 1.836 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 11:09

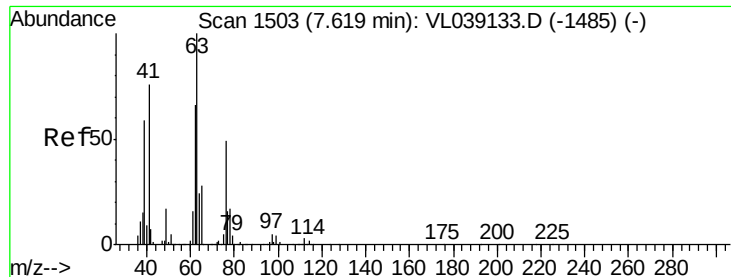
Tot Ion:	57	Resp:	255257
Ion	Ratio	Lower	Upper
57	100		
41	98.0	72.4	108.6
43	79.0	187.0	280.6#
56	56.7	41.8	62.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL039294.D
Acq: 15 Jun 2022 11:09

Tgt Ion:	114	Resp:	3759738
Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.7	32.5
88	18.1	14.8	22.2





#39

1,2-Dichloropropane

Concen: 7.550 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 11:09 OA1DL

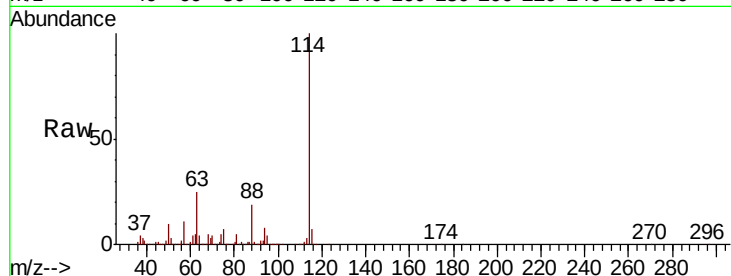
Tot Ion: 63 Resp: 916687

Ion Ratio Lower Upper

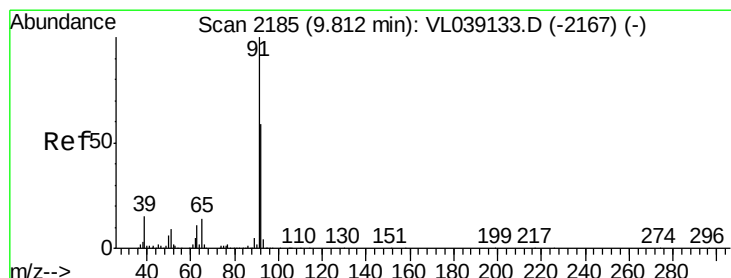
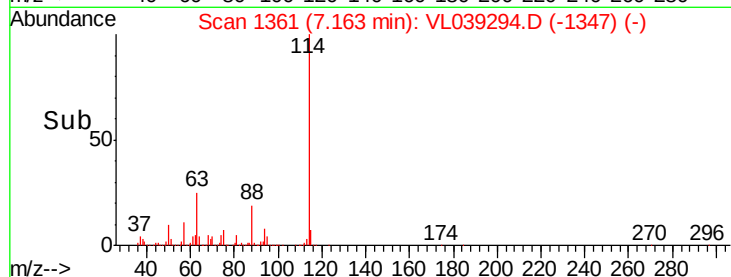
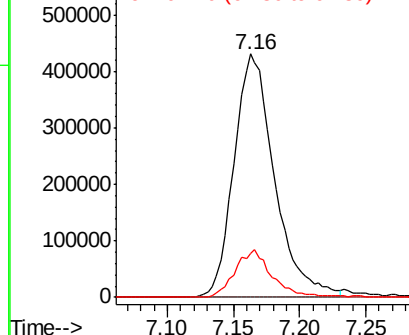
63 100

41 0.0 60.8 91.2#

62 18.1 52.9 79.3#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#53

Toluene

Concen: 0.034 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL039294.D

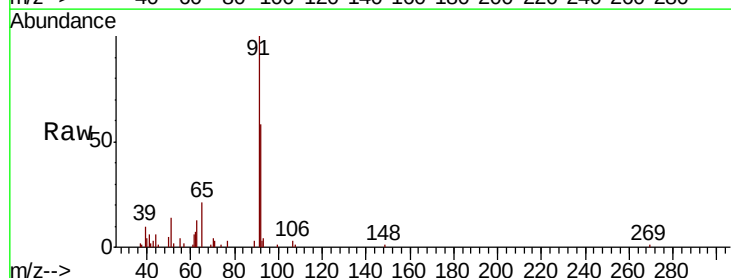
Acq: 15 Jun 2022 11:09

Tgt Ion: 91 Resp: 11897

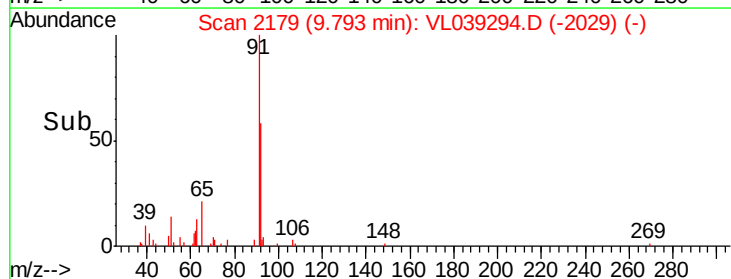
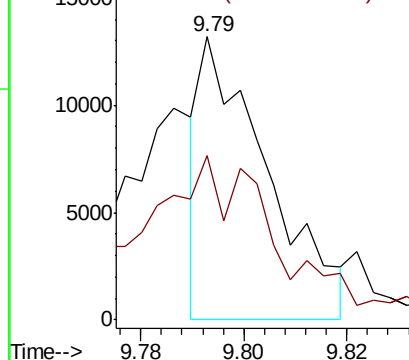
Ion Ratio Lower Upper

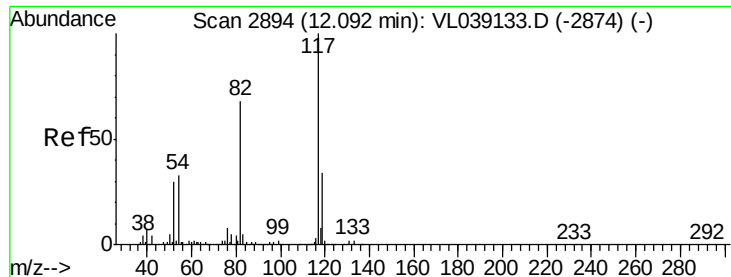
91 100

92 123.9 48.1 72.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

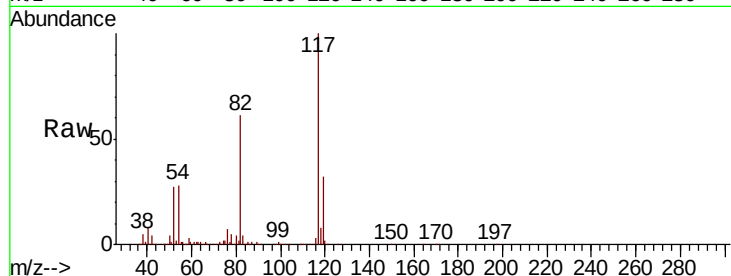




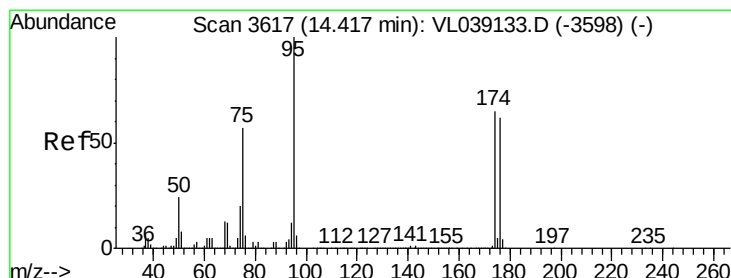
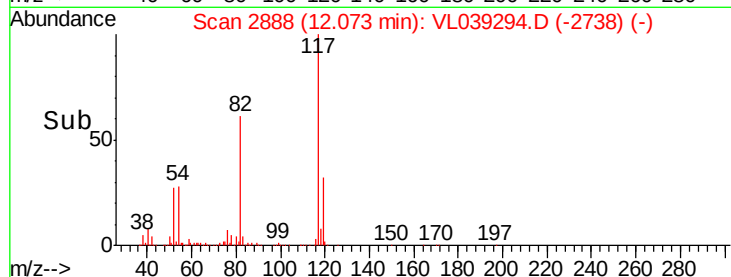
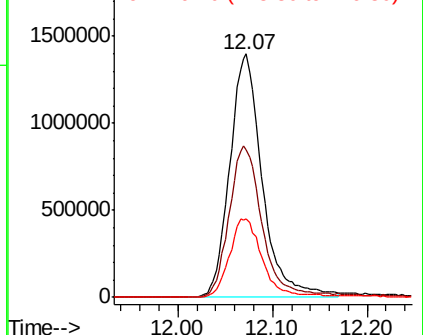
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Jun 2022 11:09

Tot Ion: 117 Resp: 3343400

Ion	Ratio	Lower	Upper
117	100		
82	65.6	55.1	82.7
119	33.2	24.7	37.1



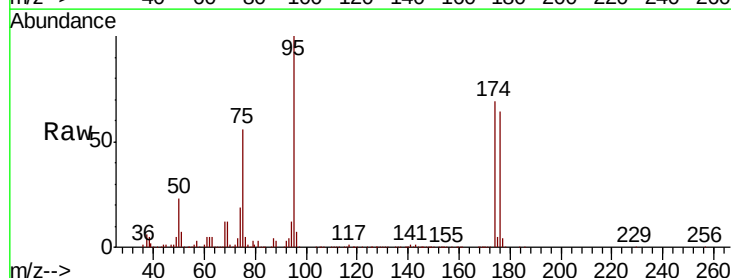
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 8.967 ppbv
RT: 14.40 min Scan# 3612
Delta R.T.: -0.02 min
Lab File: VL039294.D
Acq: 15 Jun 2022 11:09

Tgt Ion: 95 Resp: 2478438

Ion	Ratio	Lower	Upper
95	100		
174	72.6	53.8	80.8
175	5.4	4.1	6.1



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

