

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039497.D
 Acq On : 20 Jul 2022 1:41
 Operator : SY/AP
 Sample : N3750-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Jul 20 05:41:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1101624	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3009199	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2716632	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2072096	10.28	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

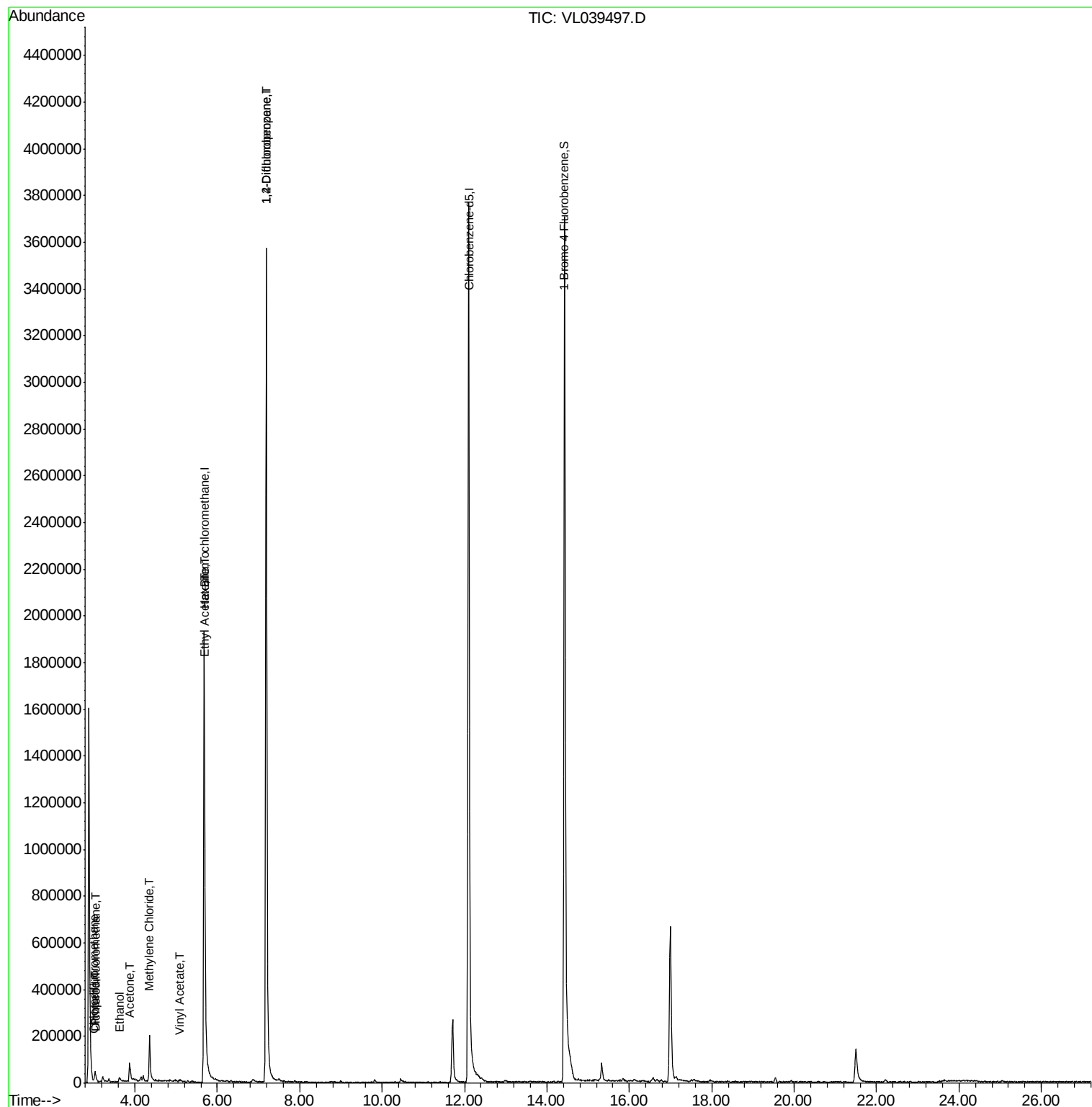
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	9713	0.061	ppbv	99
3) Chlorodifluoromethane	3.00	51	9110	0.065	ppbv	97
9) Propene	3.03	41	12108	0.192	ppbv	96
13) Ethanol	3.62	45	11544	3.152	ppbv	78
15) Acetone	3.87	43	88843	0.682	ppbv #	79
20) Methylene Chloride	4.36	84	72222	1.390	ppbv	94
23) Vinyl Acetate	5.08	43	3154	0.036	ppbv #	80
25) Ethyl Acetate	5.70	43	12195	0.046	ppbv #	80
26) Hexane	5.69	57	51241	0.476	ppbv #	40
39) 1,2-Dichloropropane	7.19	63	750192	8.622	ppbv #	25

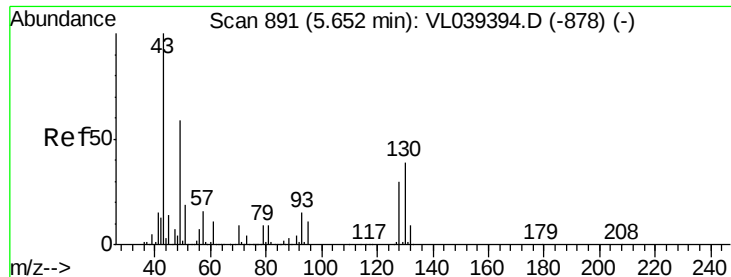
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-2DL

Acq: 20 Jul 2022 1:41

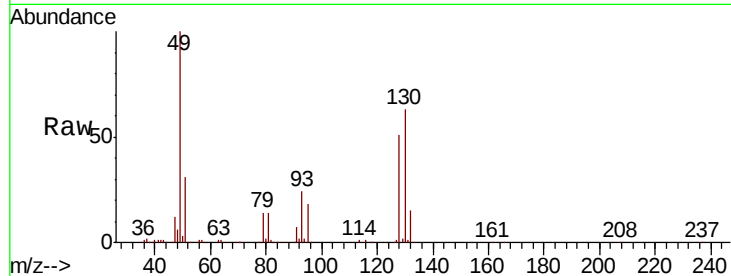
Tot Ion: 49 Resp: 1101624

Ion Ratio Lower Upper

49 100

128 51.2 26.7 80.0

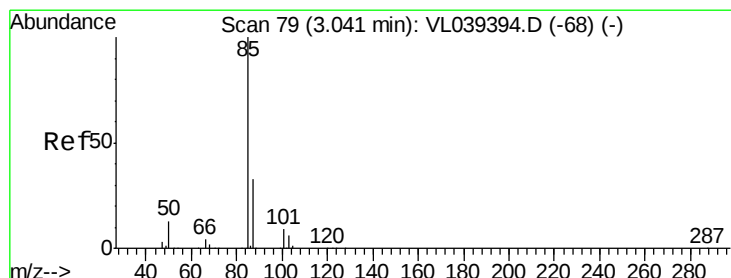
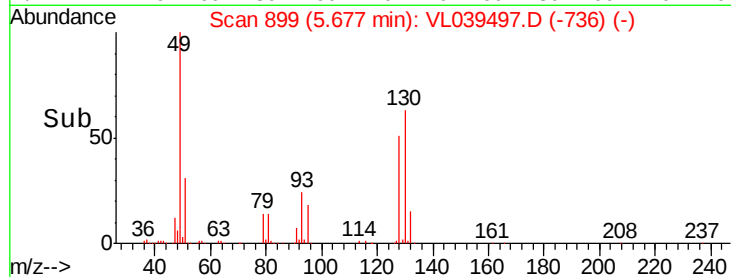
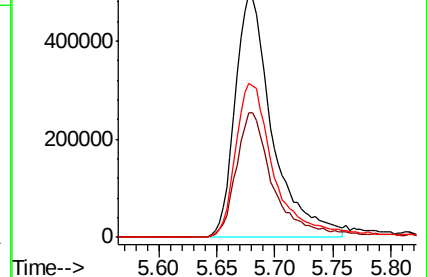
130 69.5 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039497.D

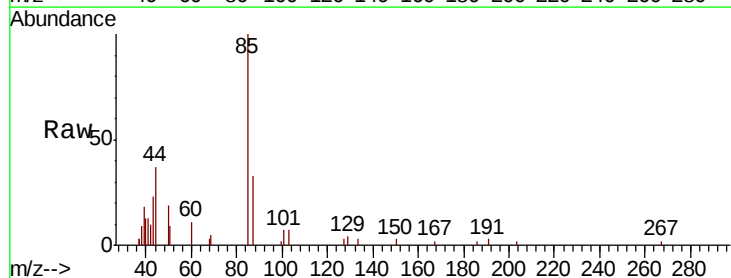
Acq: 20 Jul 2022 1:41

Tgt Ion: 85 Resp: 9713

Ion Ratio Lower Upper

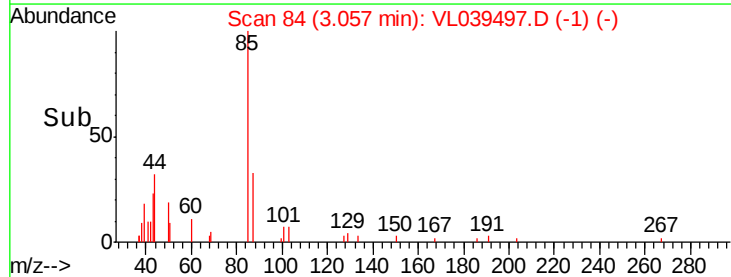
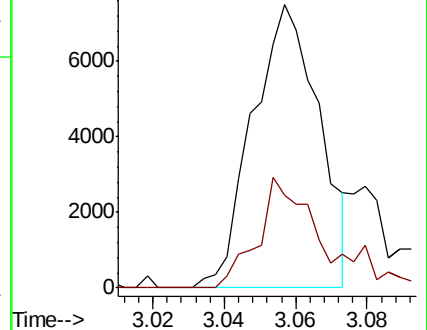
85 100

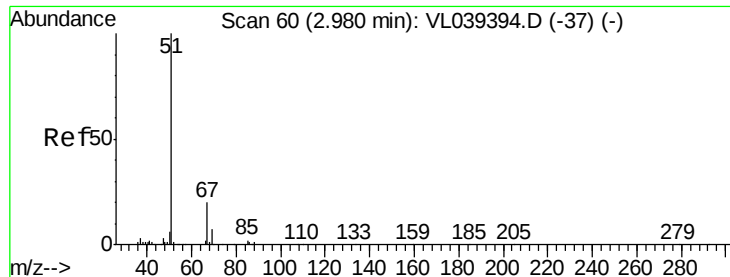
87 32.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

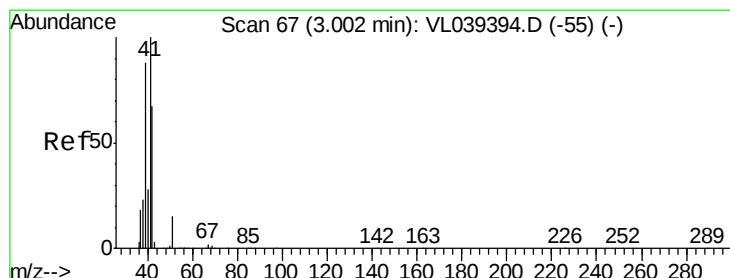
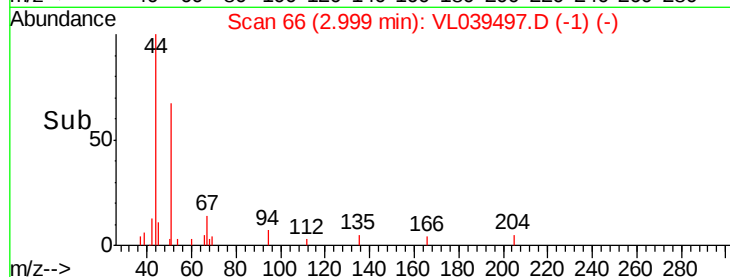
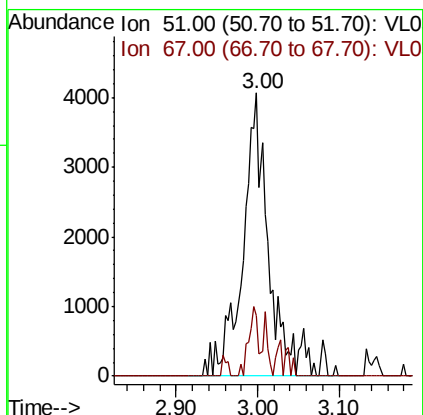
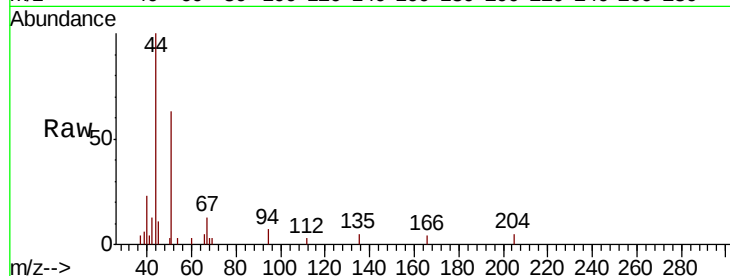
Ion 87.00 (86.70 to 87.70): VL0





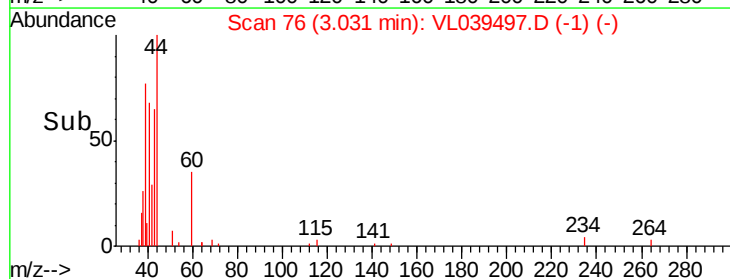
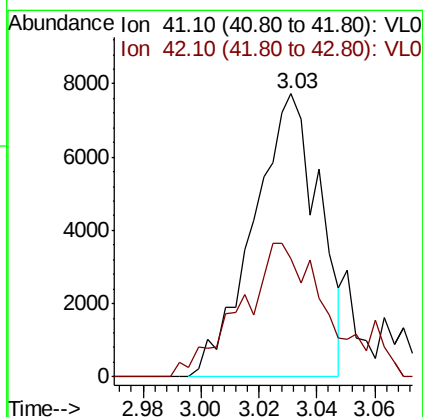
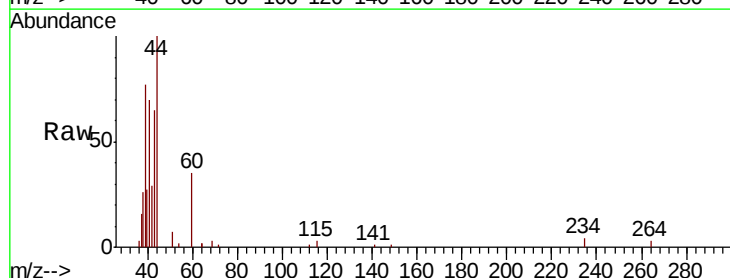
#3
 Chlorodifluoromethane
 Concen: 0.065 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 IA-2DL
 Acq: 20 Jul 2022 1:41

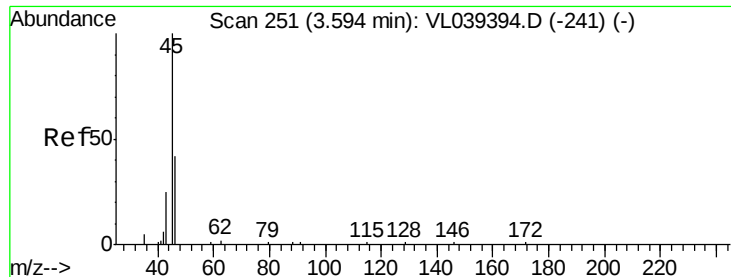
Tot Ion: 51 Resp: 9110
 Ion Ratio Lower Upper
 51 100
 67 18.0 15.7 23.5



#9
 Propene
 Concen: 0.192 ppbv
 RT: 3.03 min Scan# 76
 Delta R.T. 0.03 min
 Lab File: VL039497.D
 Acq: 20 Jul 2022 1:41

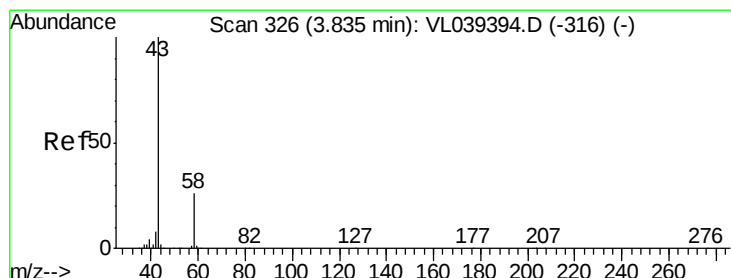
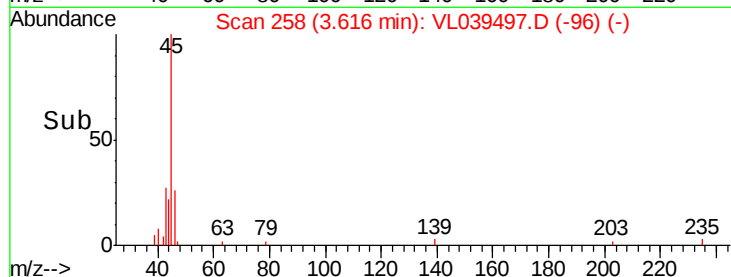
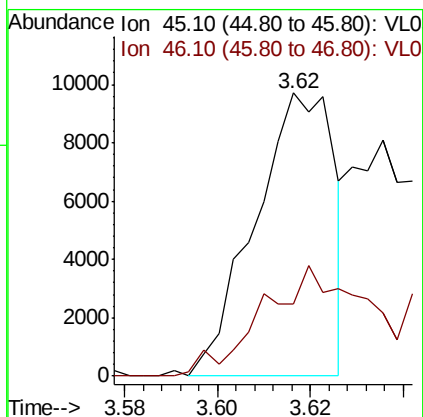
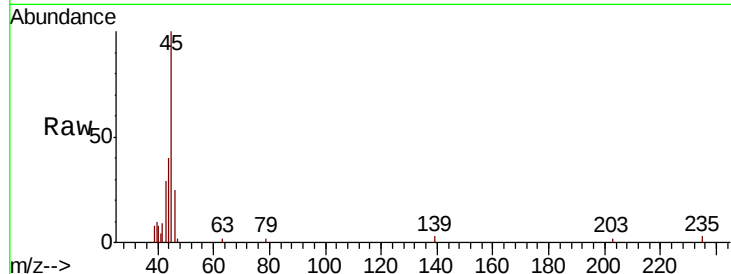
Tgt Ion: 41 Resp: 12108
 Ion Ratio Lower Upper
 41 100
 42 65.8 55.2 82.8





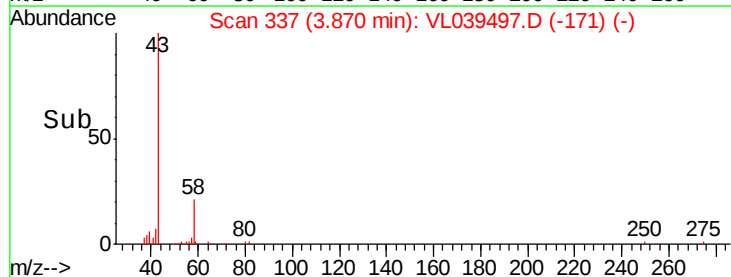
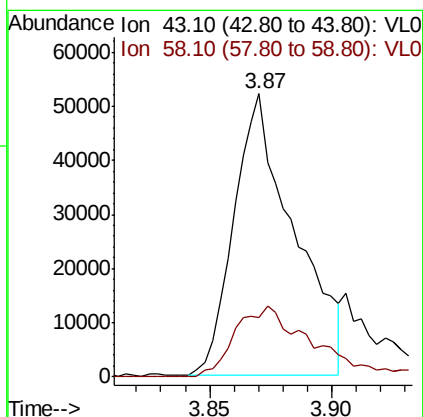
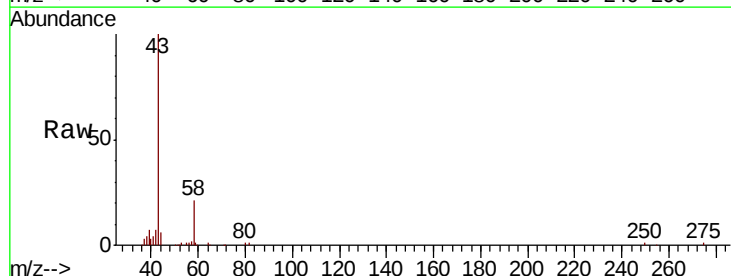
#13
Ethanol
Concen: 3.152 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 1:41

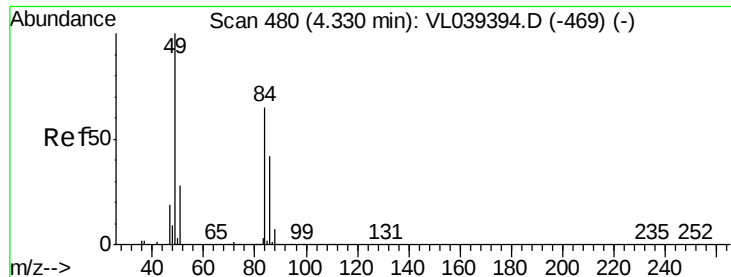
Tot Ion: 45 Resp: 11544
Ion Ratio Lower Upper
45 100
46 73.5 22.8 91.2



#15
Acetone
Concen: 0.682 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL039497.D
Acq: 20 Jul 2022 1:41

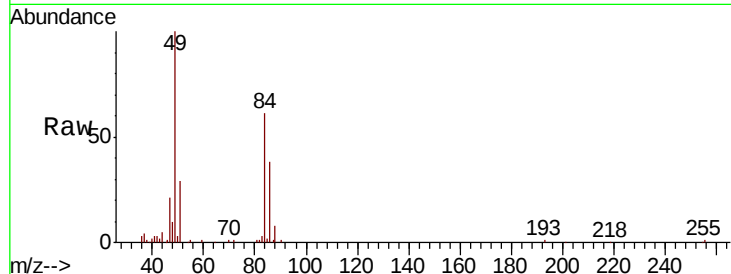
Tgt Ion: 43 Resp: 88843
Ion Ratio Lower Upper
43 100
58 36.9 21.0 31.6#





#20
Methvlene Chloride
Concen: 1.390 ppbv
RT: 4.36
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 1:41

Tot Ion:	84	Resp:	72222
Ion	Ratio	Lower	Upper
84	100		
49	163.1	123.1	184.7
51	47.5	34.4	51.6
86	61.9	51.1	76.7



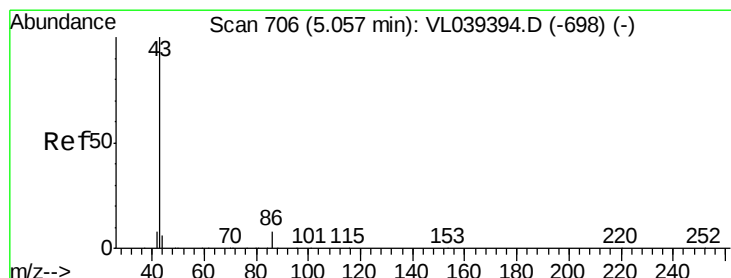
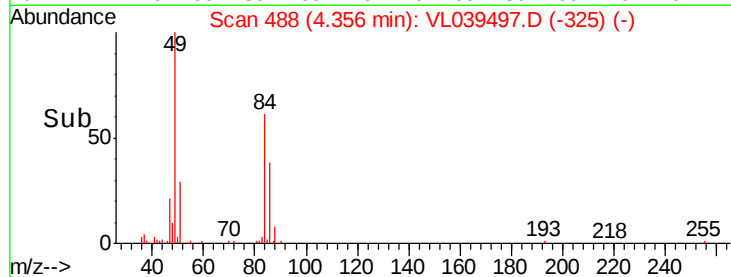
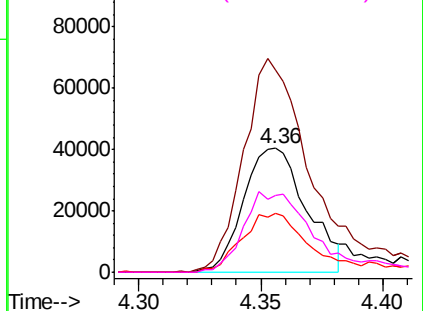
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

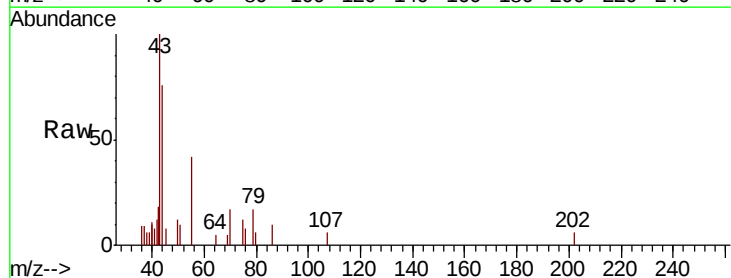
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.03 min
Lab File: VL039497.D
Acq: 20 Jul 2022 1:41

Tgt Ion:	43	Resp:	3154
Ion	Ratio	Lower	Upper
43	100		
86	16.6	5.0	7.6#
42	16.4	7.7	11.5#
44	2.6	4.6	7.0#



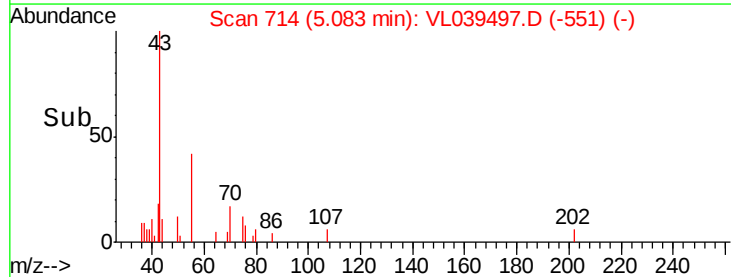
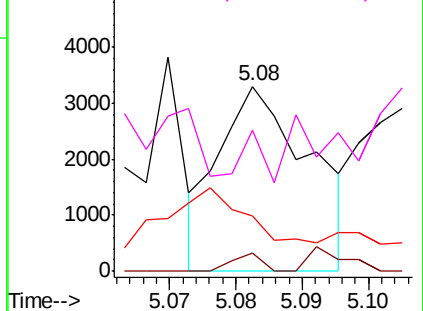
Abundance

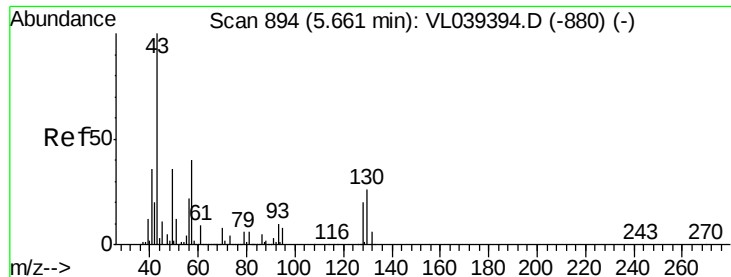
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

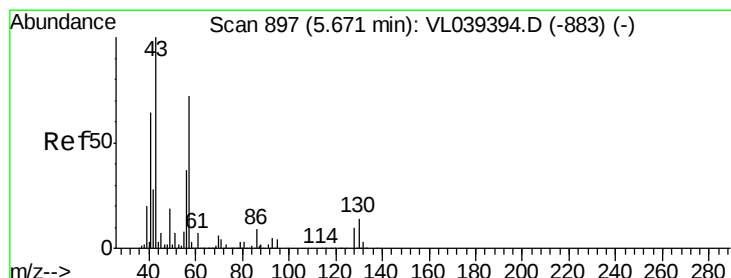
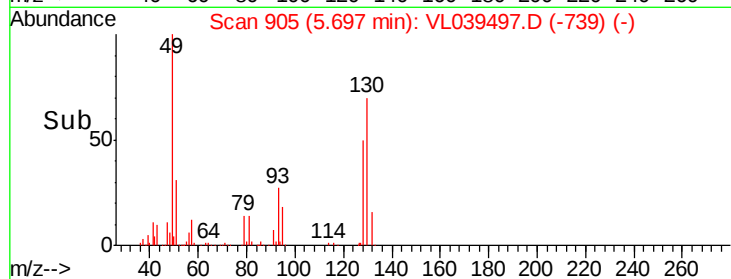
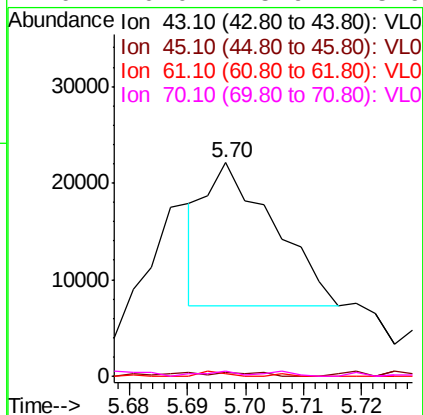
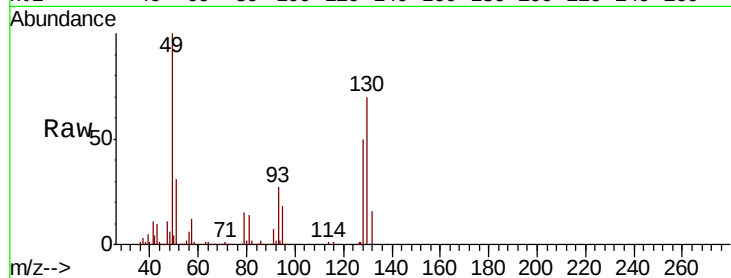
Ion 44.10 (43.80 to 44.80): VL0





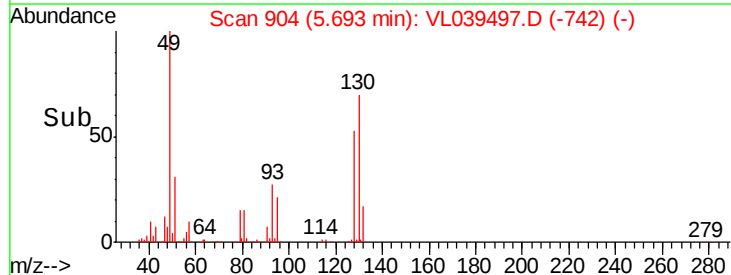
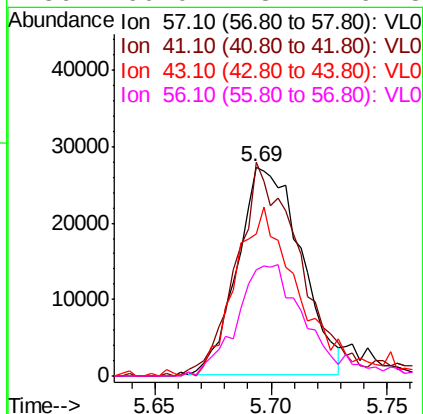
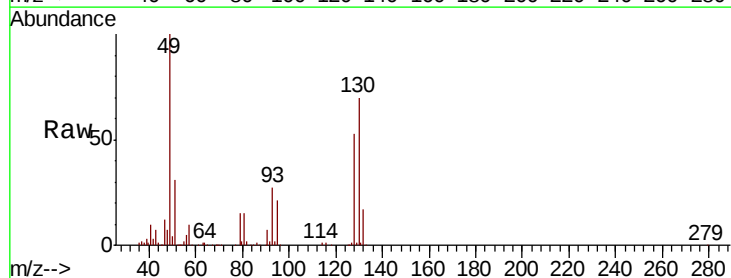
#25
Ethyl Acetate
Concen: 0.046 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 1:41

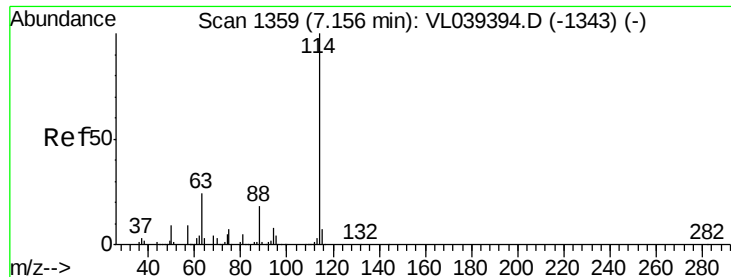
Tot Ion:	43	Resp:	12195
Ion	Ratio	Lower	Upper
43	100		
45	3.9	8.2	12.4#
61	1.9	8.3	12.5#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 0.476 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL039497.D
Acq: 20 Jul 2022 1:41

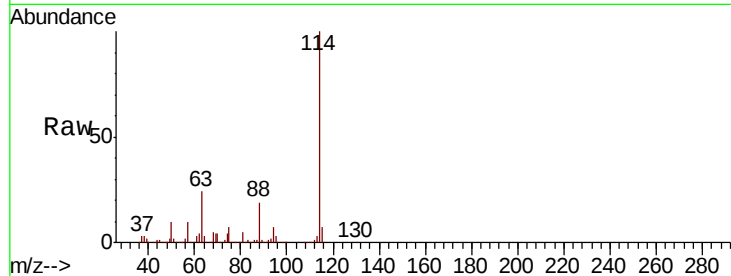
Tgt Ion:	57	Resp:	51241
Ion	Ratio	Lower	Upper
57	100		
41	110.5	76.9	115.3
43	87.0	191.0	286.6#
56	60.0	43.2	64.8



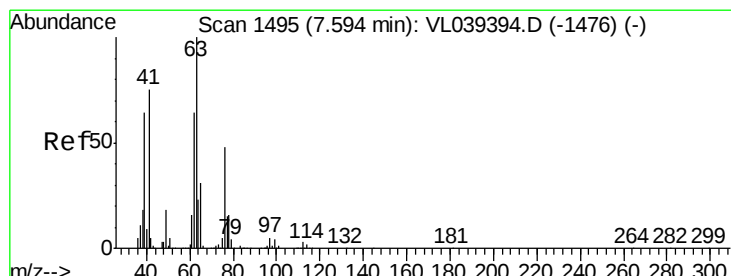
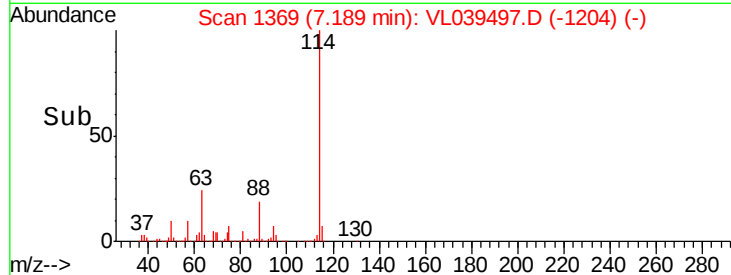
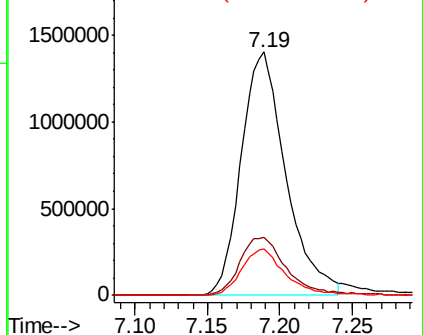


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 1:41

Tot Ion:	114	Resp:	3009199
Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.4
88	19.1	14.5	21.7

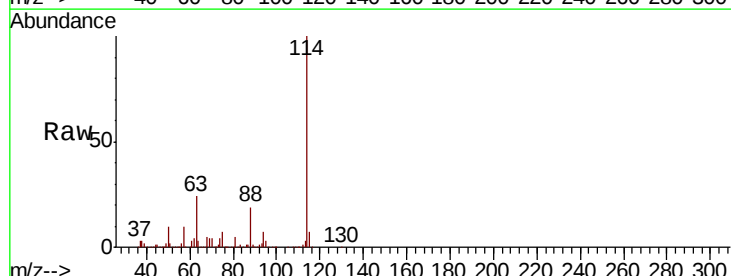


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

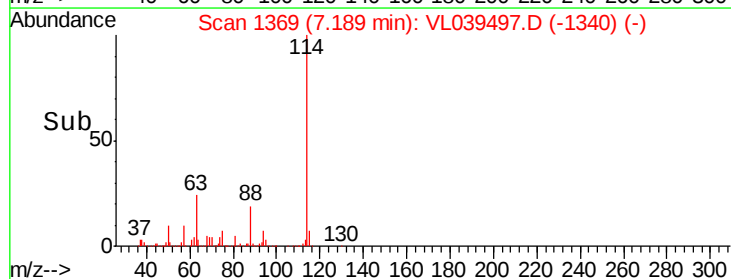
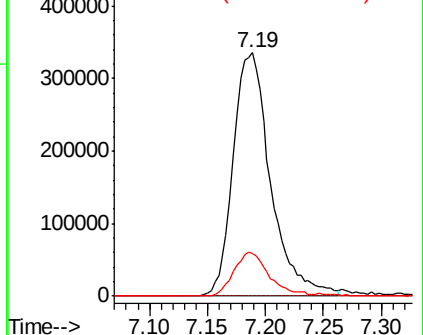


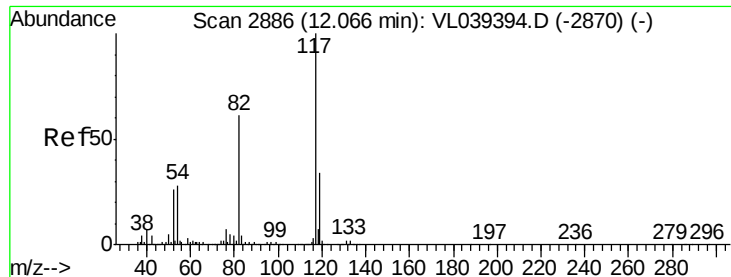
#39
 1,2-Dichloropropane
 Concen: 8.622 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T.: -0.41 min
 Lab File: VL039497.D
 Acq: 20 Jul 2022 1:41

Tgt Ion:	63	Resp:	750192
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.6	51.4	77.0#



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

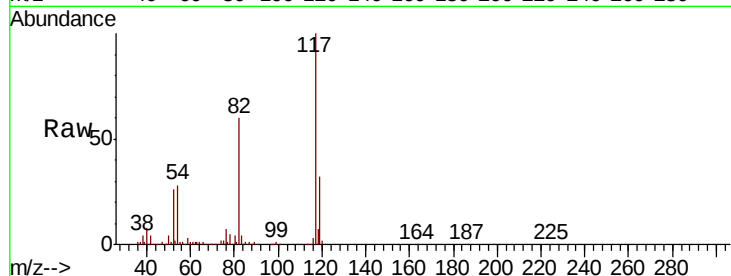




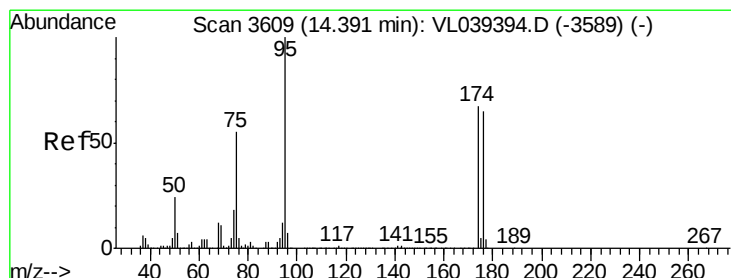
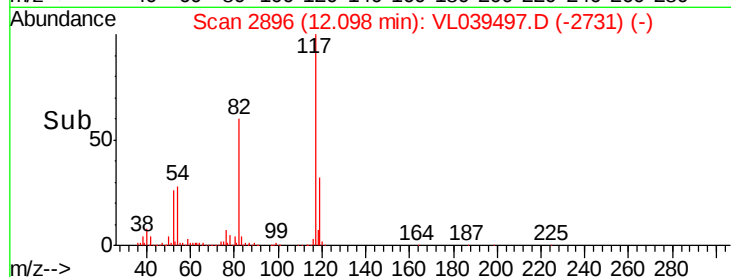
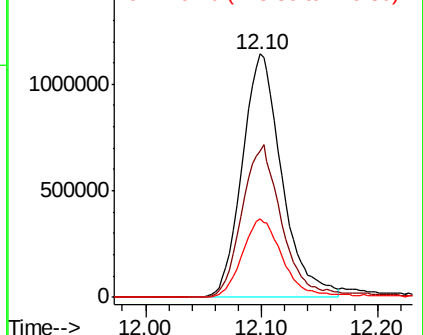
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 1:41

Tot Ion: 117 Resp: 2716632

Ion	Ratio	Lower	Upper
117	100		
82	66.0	50.8	76.2
119	34.1	24.1	36.1



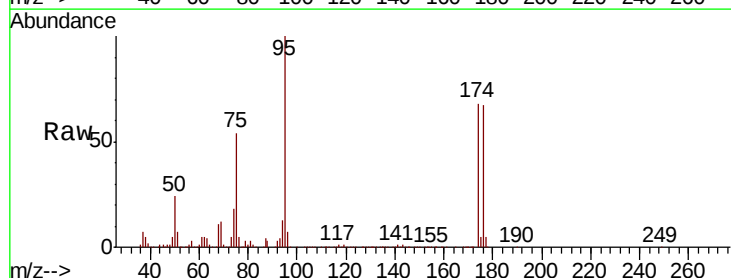
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.282 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.04 min
 Lab File: VL039497.D
 Acq: 20 Jul 2022 1:41

Tgt Ion: 95 Resp: 2072096

Ion	Ratio	Lower	Upper
95	100		
174	72.5	55.9	83.9
175	5.5	4.2	6.4



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

