

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038482.D
 Acq On : 2 Mar 2022 15:10
 Operator : SY/AP
 Sample : N1724-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-02

Quant Time: Mar 02 22:36:56 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	924776	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2068307	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1802092	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1479806	9.92	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

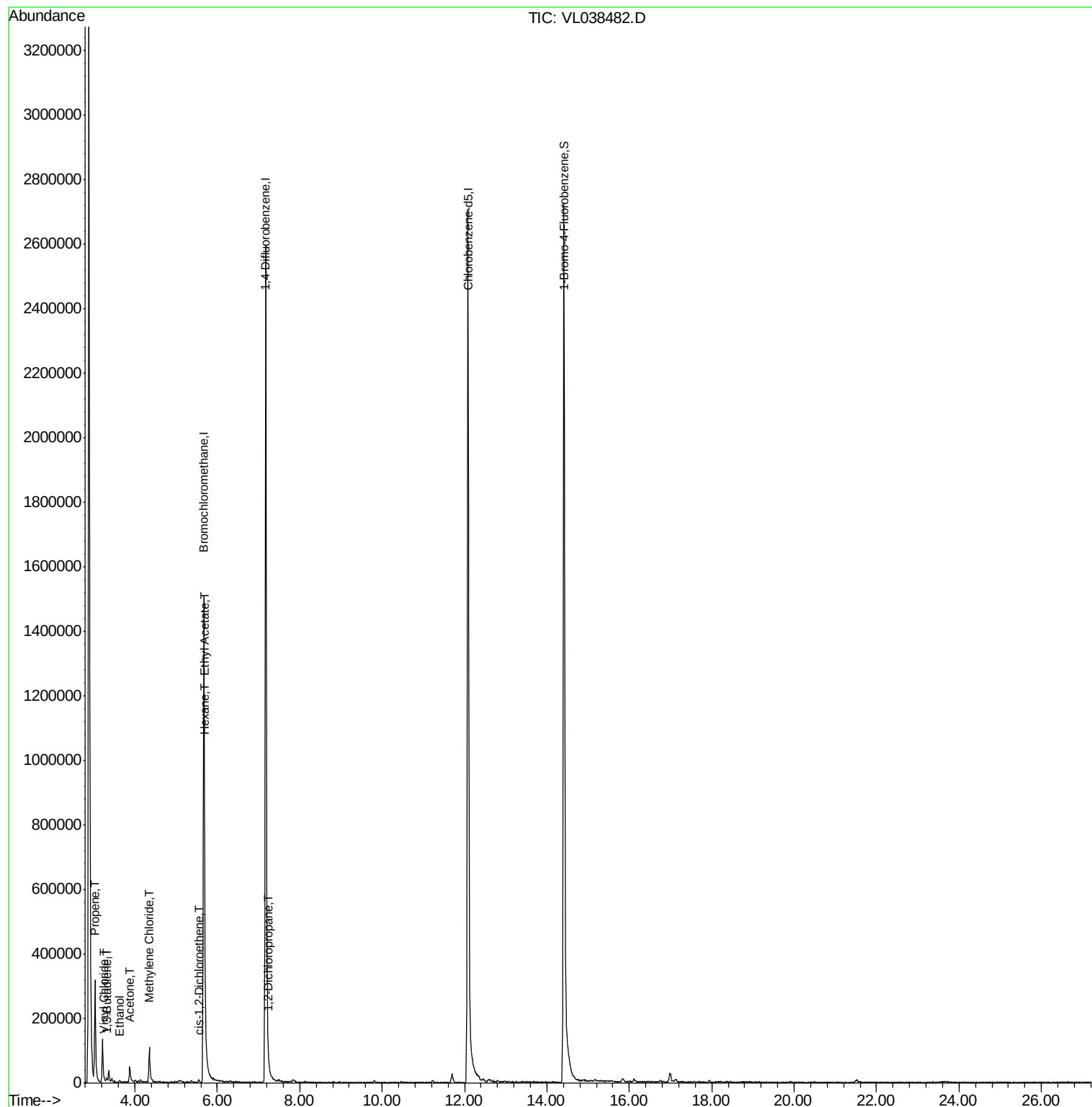
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.26	62	2333	0.04	ppbv #	67
9) Propene	3.02	41	87971	1.63	ppbv #	70
13) Ethanol	3.61	45	598	0.11	ppbv #	31
15) Acetone	3.87	43	22135	0.28	ppbv #	51
16) 1,3-Butadiene	3.32	39	1958	0.04	ppbv	83
20) Methylene Chloride	4.35	84	42448	1.09	ppbv	98
25) Ethyl Acetate	5.69	43	27207	0.13	ppbv #	78
26) Hexane	5.69	57	34205	0.36	ppbv #	41
31) cis-1,2-Dichloroethene	5.55	61	2877	0.03	ppbv #	76
39) 1,2-Dichloropropane	7.25	63	5969	0.08	ppbv #	32

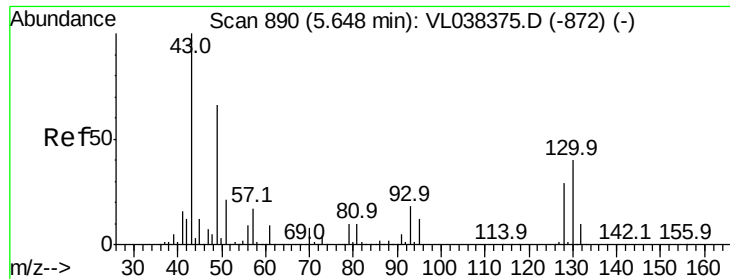
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV-02

Quant Time: Mar 02 22:36:56 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 15:10 SV-02

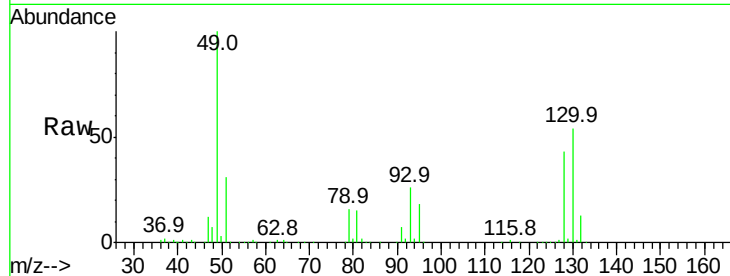
Tgt Ion: 49 Resp: 924776

Ion Ratio Lower Upper

49 100

128 44.8 24.3 72.9

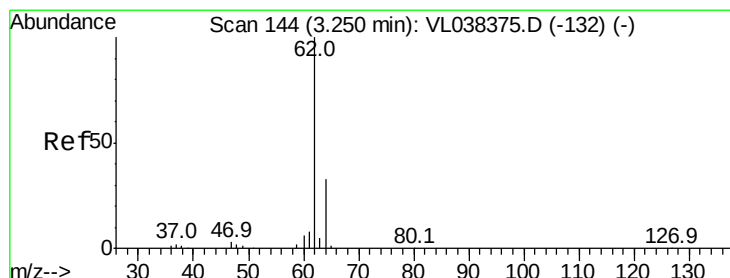
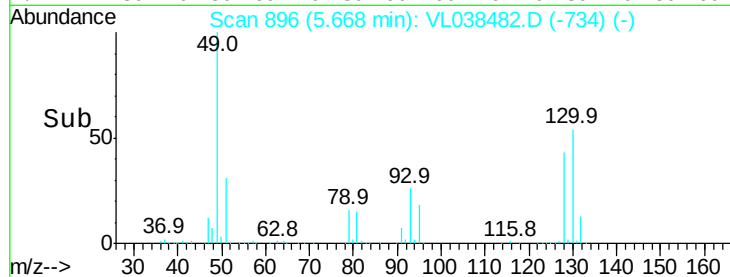
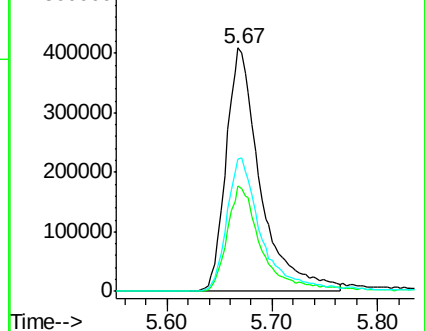
130 56.7 30.1 90.5



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



#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL038482.D

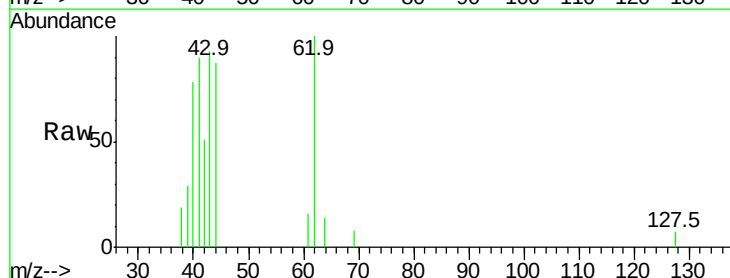
Acq: 2 Mar 2022 15:10

Tgt Ion: 62 Resp: 2333

Ion Ratio Lower Upper

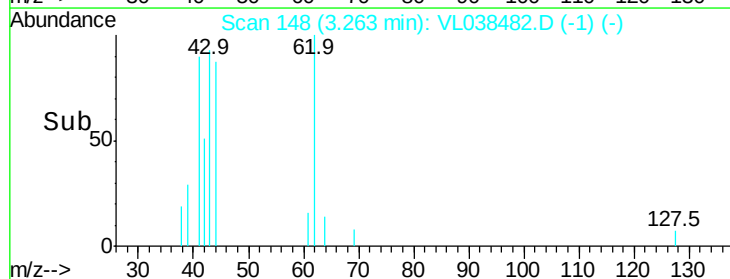
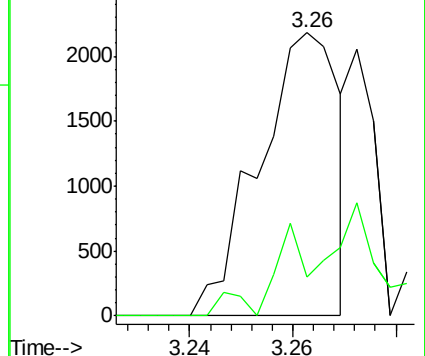
62 100

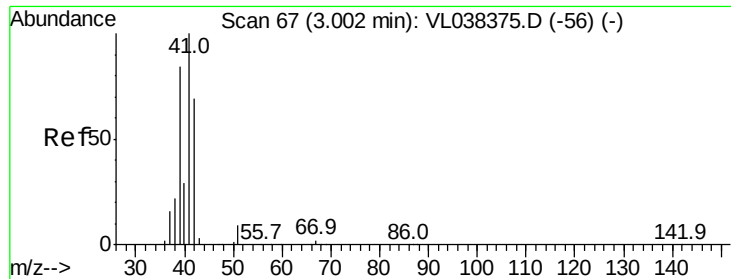
64 13.9 26.2 39.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 1.63 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-02

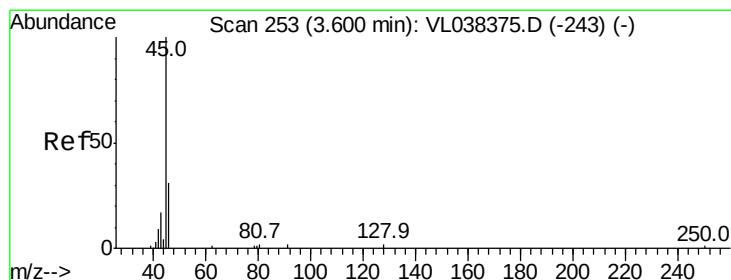
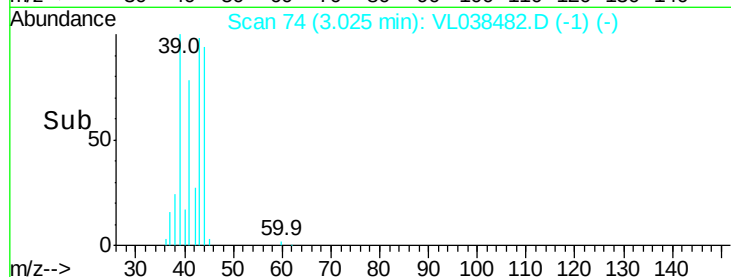
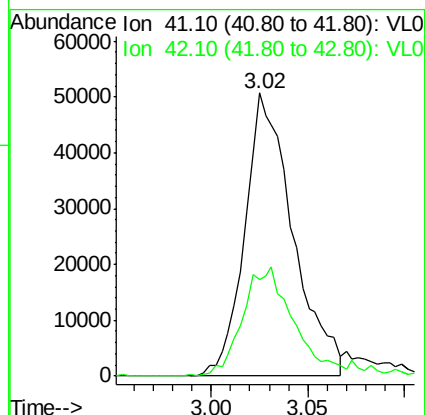
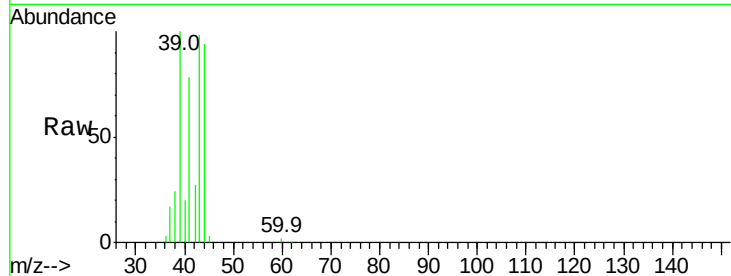
Acq: 2 Mar 2022 15:10

Tgt Ion: 41 Resp: 87971

Ion Ratio Lower Upper

41 100

42 44.4 54.6 82.0#



#13

Ethanol

Concen: 0.11 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL038482.D

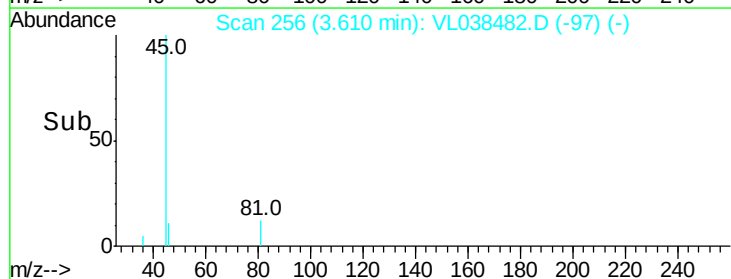
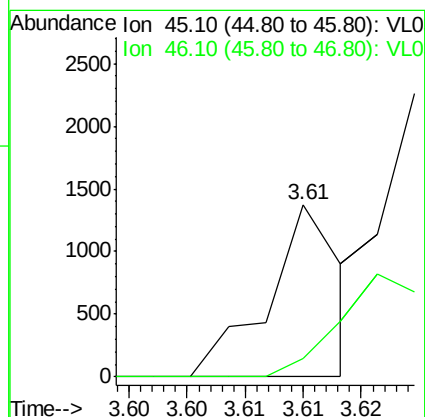
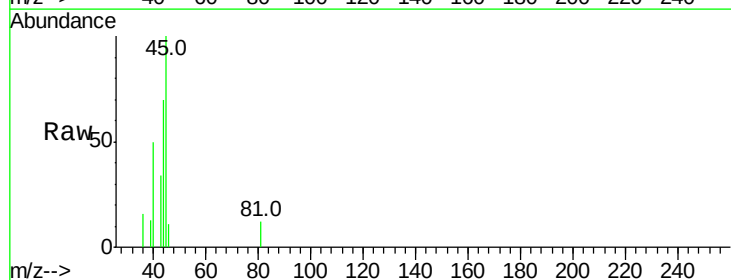
Acq: 2 Mar 2022 15:10

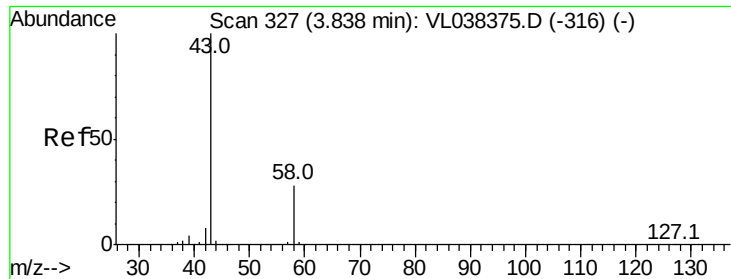
Tgt Ion: 45 Resp: 598

Ion Ratio Lower Upper

45 100

46 0.0 18.2 72.8#





#15

Acetone

Concen: 0.28 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

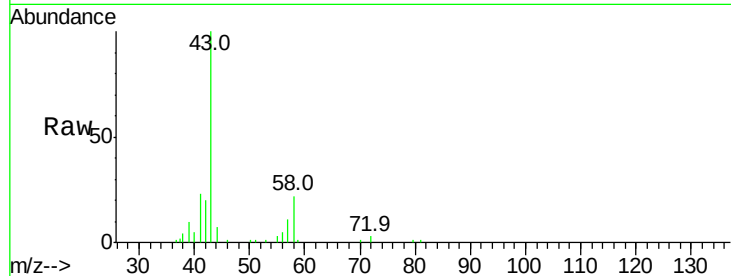
Acq: 2 Mar 2022 15:10 SV-02

Tgt Ion: 43 Resp: 22135

Ion Ratio Lower Upper

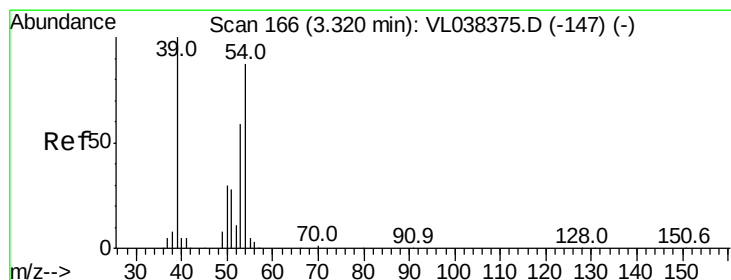
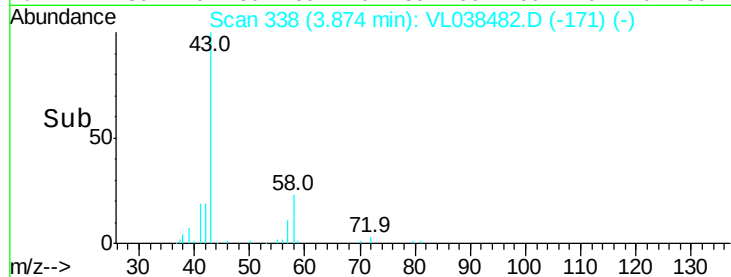
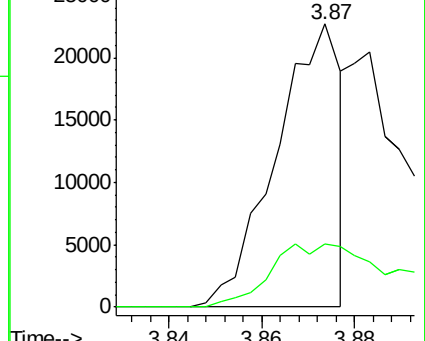
43 100

58 52.8 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.04 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL038482.D

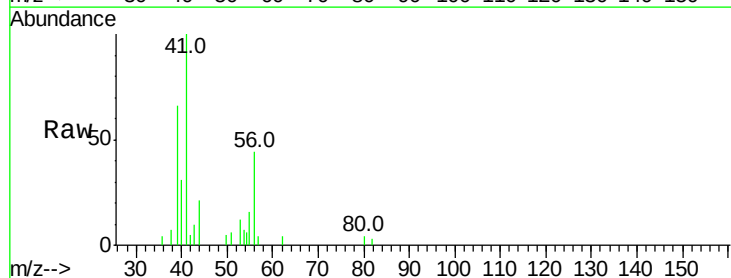
Acq: 2 Mar 2022 15:10

Tgt Ion: 39 Resp: 1958

Ion Ratio Lower Upper

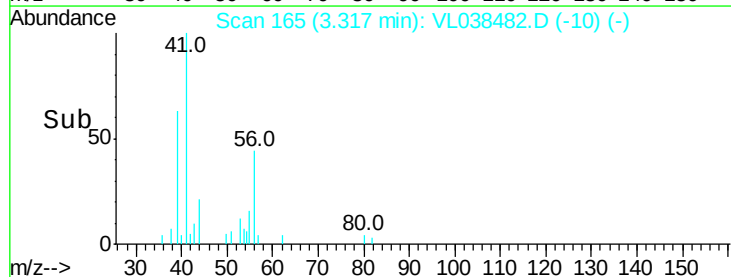
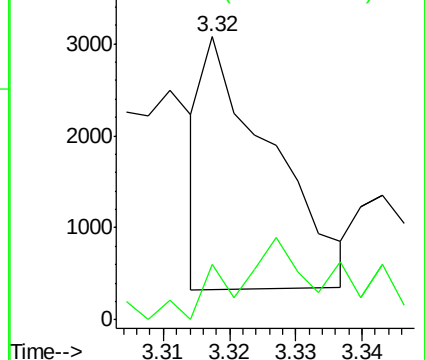
39 100

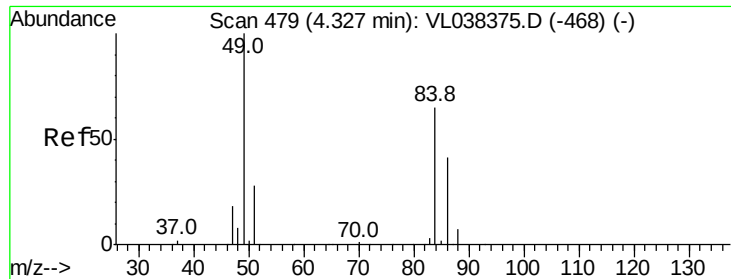
54 60.9 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

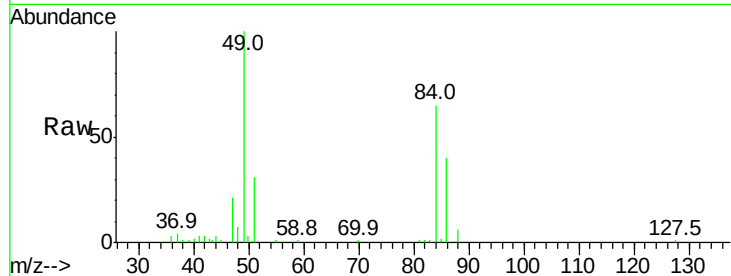
Ion 54.10 (53.80 to 54.80): VL0





#20
Methylene Chloride
Concen: 1.09 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV-02
Acq: 2 Mar 2022 15:10

Tgt Ion:	84	Resp:	42448
Ion	Ratio	Lower	Upper
84	100		
49	153.6	122.4	183.6
51	47.2	33.3	49.9
86	61.4	50.7	76.1



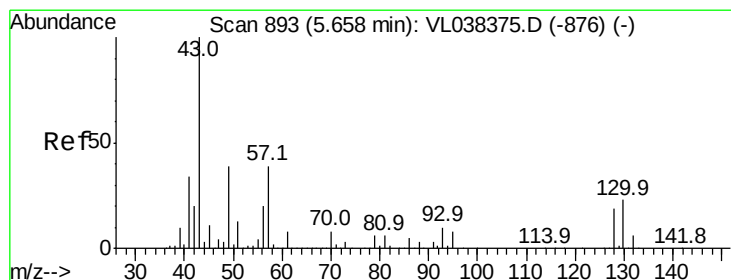
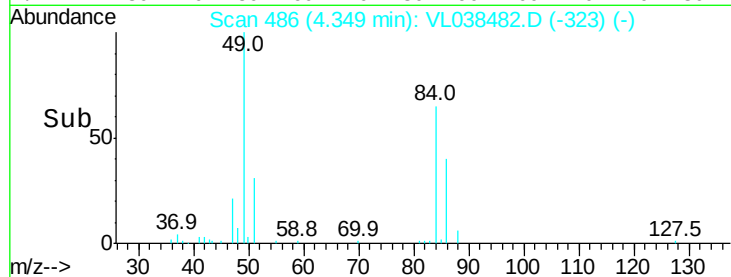
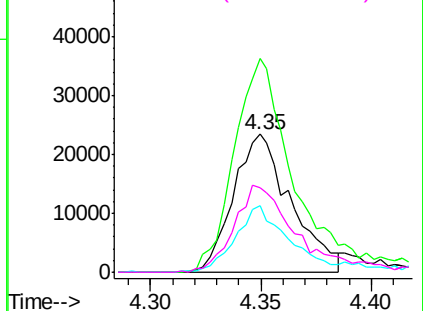
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

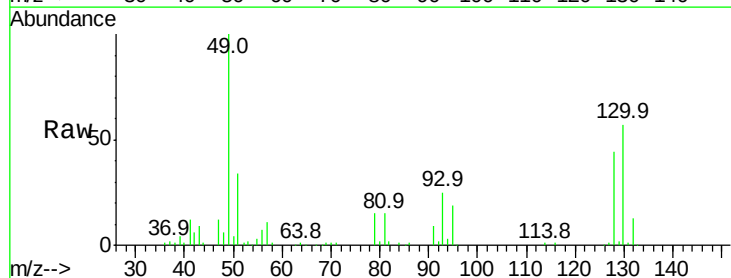
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.03 min
Lab File: VL038482.D
Acq: 2 Mar 2022 15:10

Tgt Ion:	43	Resp:	27207
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.5	11.3#
70	2.5	5.4	8.0#



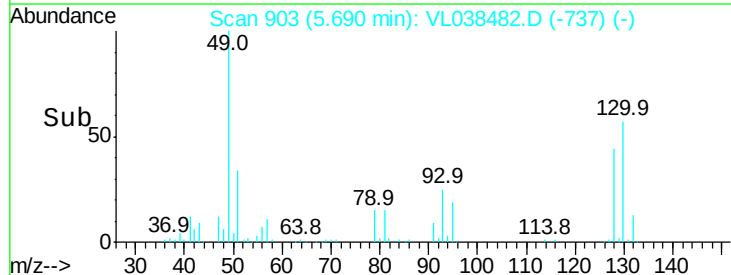
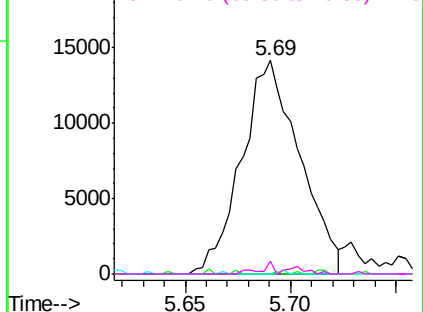
Abundance

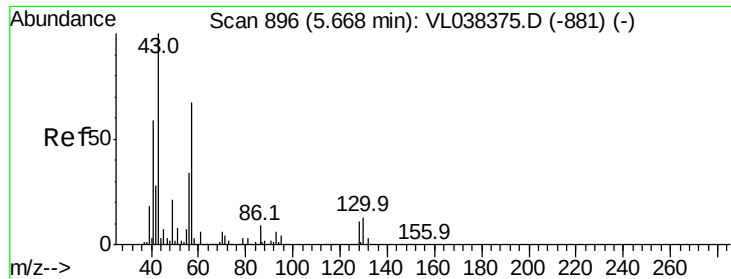
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

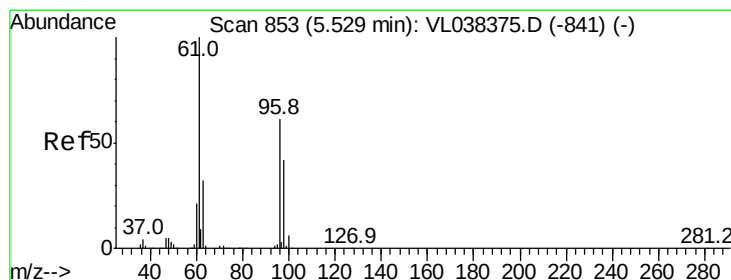
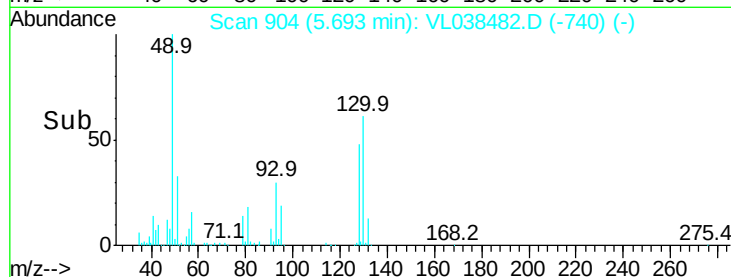
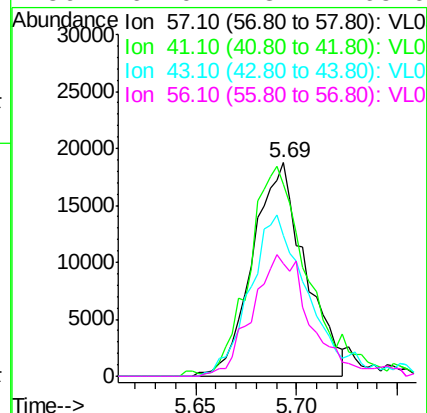
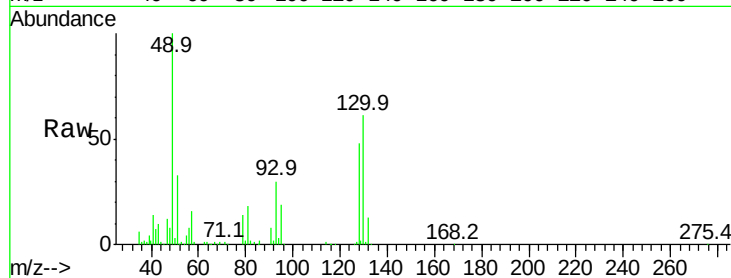
Ion 70.10 (69.80 to 70.80): VL0





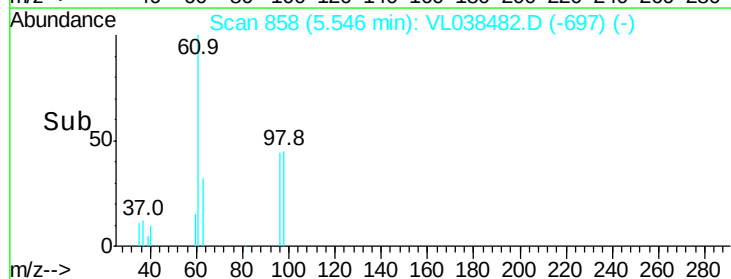
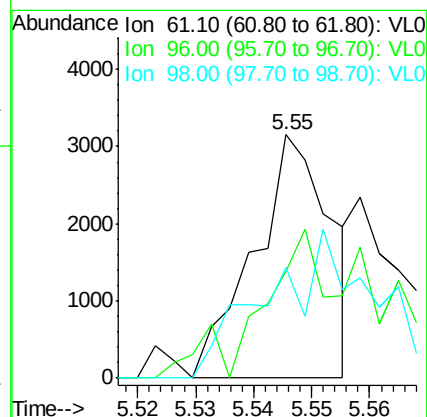
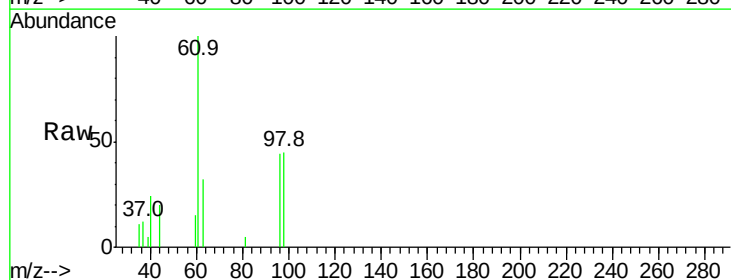
#26
Hexane
Concen: 0.36 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV-02
Acq: 2 Mar 2022 15:10

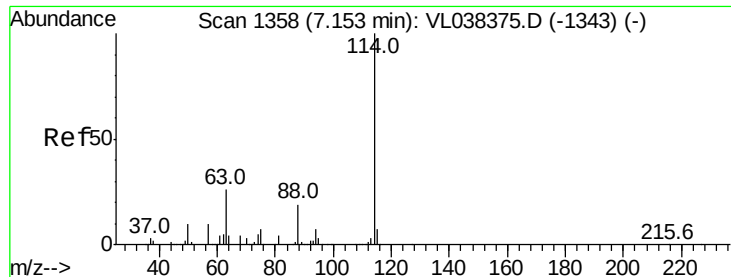
Tgt Ion: 57 Resp: 34205
Ion Ratio Lower Upper
57 100
41 113.4 73.1 109.7#
43 87.8 181.0 271.4#
56 64.0 43.4 65.0



#31
cis-1,2-Dichloroethene
Concen: 0.03 ppbv
RT: 5.55 min Scan# 858
Delta R.T.: 0.02 min
Lab File: VL038482.D
Acq: 2 Mar 2022 15:10

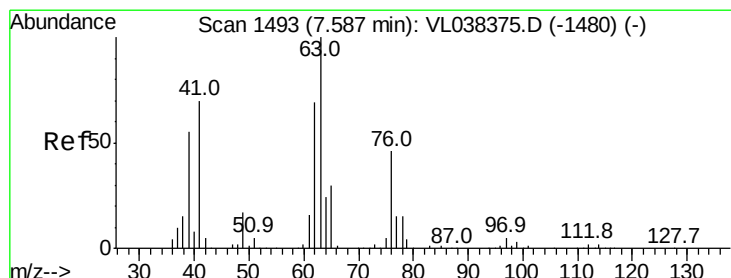
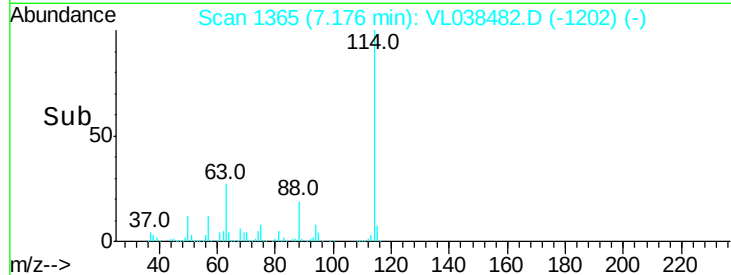
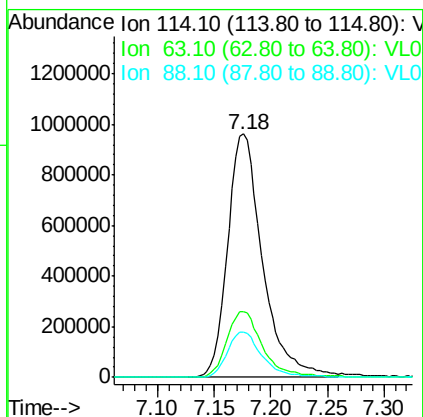
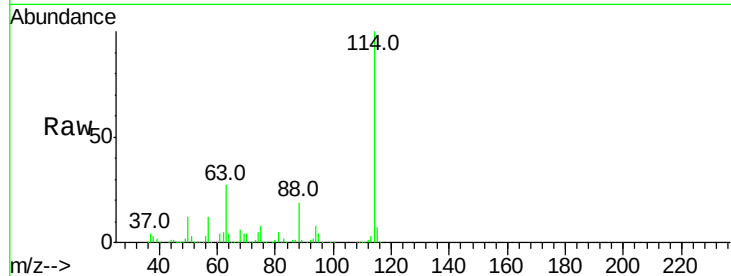
Tgt Ion: 61 Resp: 2877
Ion Ratio Lower Upper
61 100
96 33.9 48.6 73.0#
98 45.3 33.2 49.8





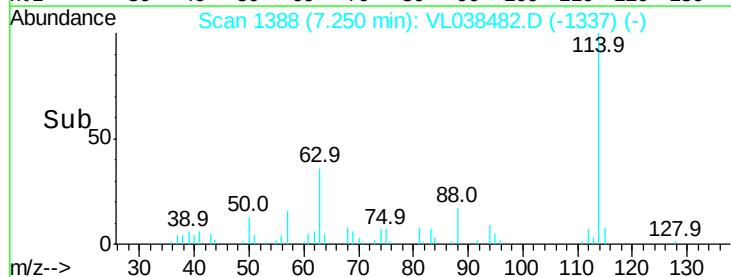
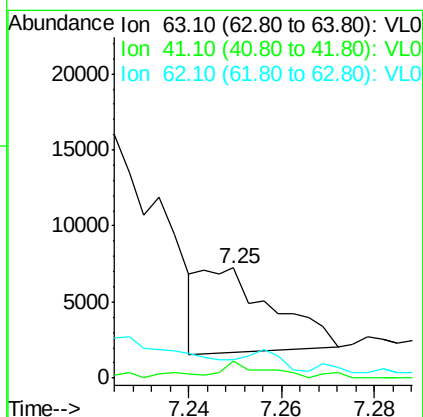
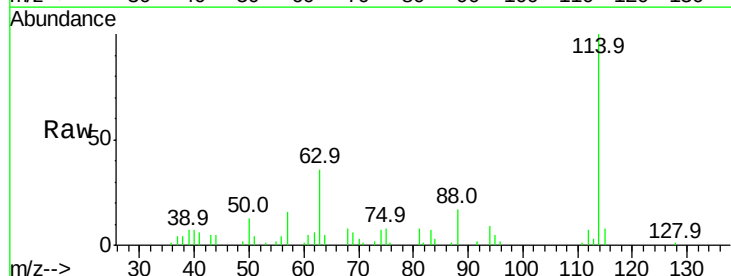
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 15:10

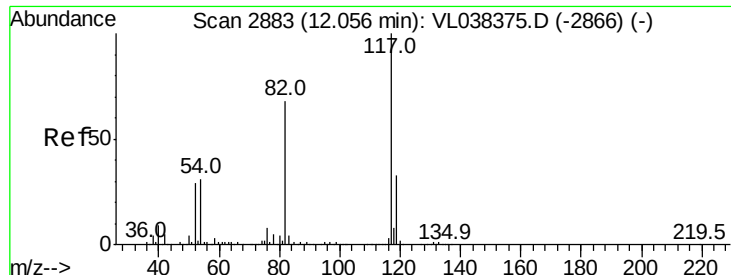
Tgt Ion: 114 Resp: 2068307
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.2 33.2
 88 19.0 15.2 22.8



#39
 1,2-Dichloropropane
 Concen: 0.08 ppbv
 RT: 7.25 min Scan# 1388
 Delta R.T. -0.34 min
 Lab File: VL038482.D
 Acq: 2 Mar 2022 15:10

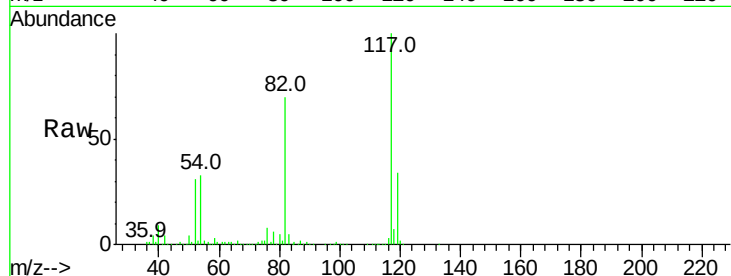
Tgt Ion: 63 Resp: 5969
 Ion Ratio Lower Upper
 63 100
 41 17.7 56.1 84.1#
 62 10.8 55.5 83.3#



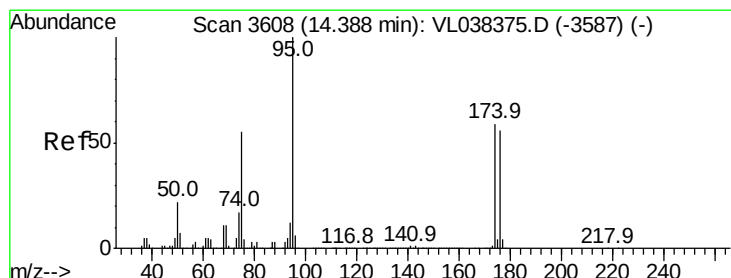
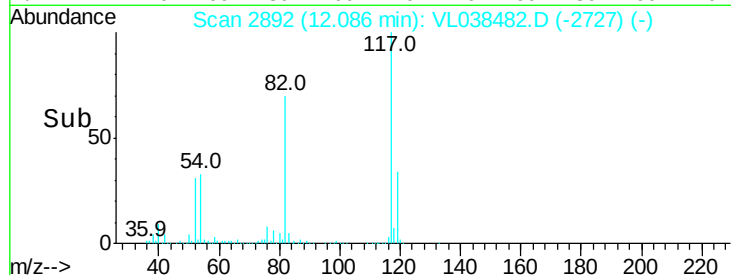
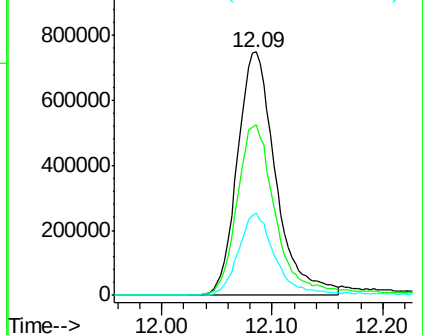


#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-02
 Acq: 2 Mar 2022 15:10

Tgt Ion: 117 Resp: 1802092
 Ion Ratio Lower Upper
 117 100
 82 73.7 54.9 82.3
 119 33.5 46.1 69.1#

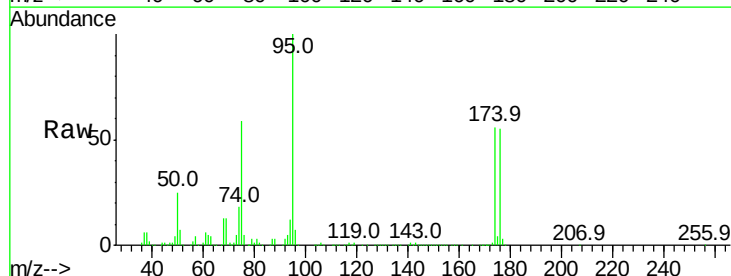


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.92 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T.: 0.03 min
 Lab File: VL038482.D
 Acq: 2 Mar 2022 15:10

Tgt Ion: 95 Resp: 1479806
 Ion Ratio Lower Upper
 95 100
 174 61.2 49.0 73.4
 175 4.5 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): V
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

