

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038359.D
 Acq On : 15 Feb 2022 9:12
 Operator : SY/AP
 Sample : N1490-01DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL2

Quant Time: Feb 16 00:40:48 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	662938	10.00	ppbv	-0.05
33) 1,4-Difluorobenzene	7.12	114	2167004	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.03	117	1895836	10.00	ppbv	-0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1543159	10.72	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

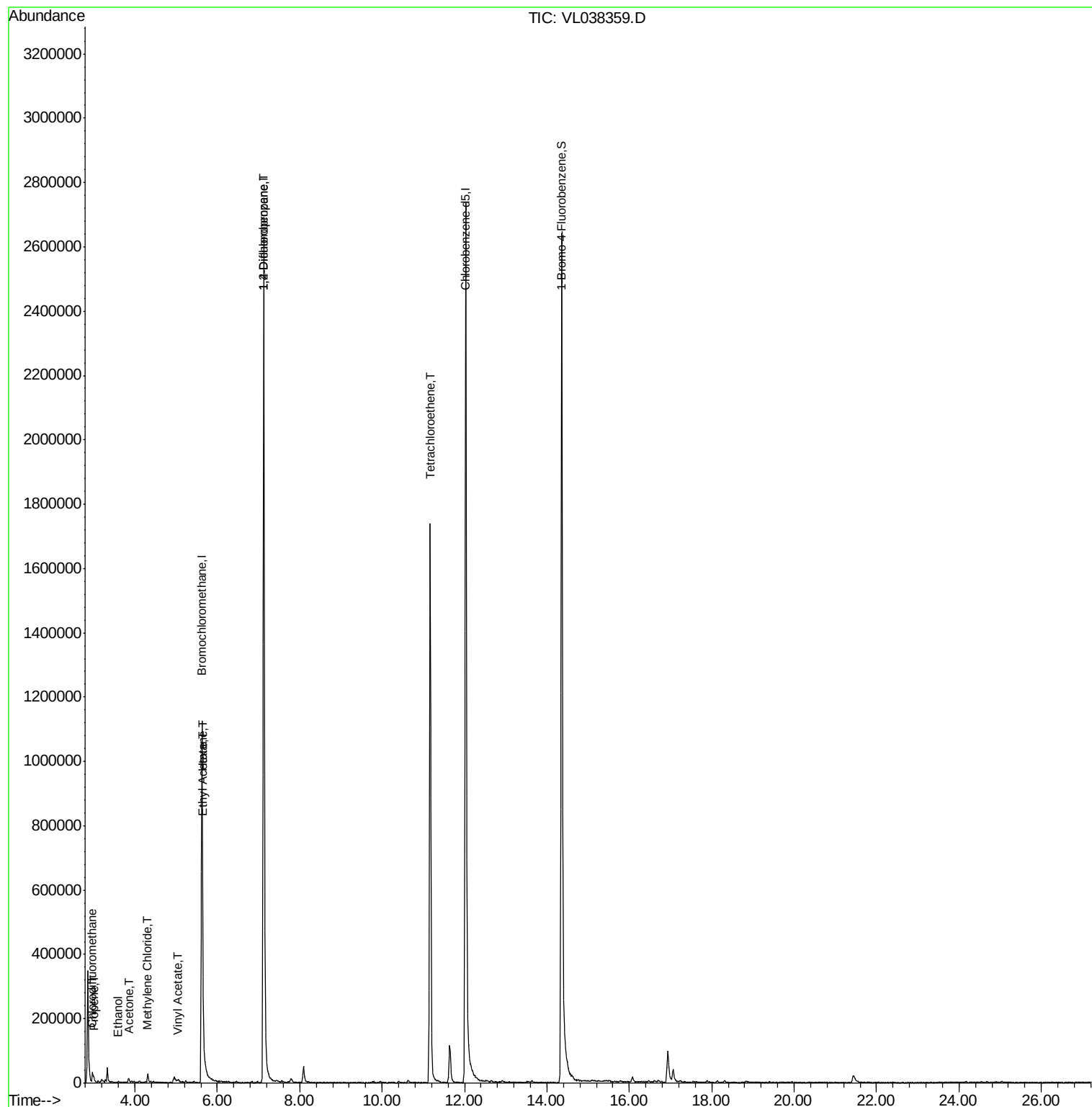
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	35450	0.27	ppbv	98
9) Propene	3.00	41	2176	0.05	ppbv #	1
13) Ethanol	3.58	45	286	0.06	ppbv #	1
15) Acetone	3.84	43	14824	0.25	ppbv #	62
20) Methylene Chloride	4.31	84	4720	0.14	ppbv	95
23) Vinyl Acetate	5.05	43	8928	0.11	ppbv #	86
25) Ethyl Acetate	5.65	43	8983	0.05	ppbv #	78
26) Hexane	5.65	57	5668	0.07	ppbv #	30
39) 1,2-Dichloropropane	7.12	63	584336	7.52	ppbv #	25
52) Tetrachloroethene	11.17	164	426332	6.45	ppbv	98

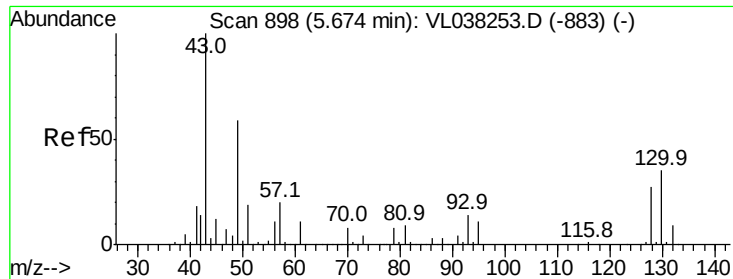
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Quant Time: Feb 16 00:40:48 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Feb 2022 9:12 SV2DL2

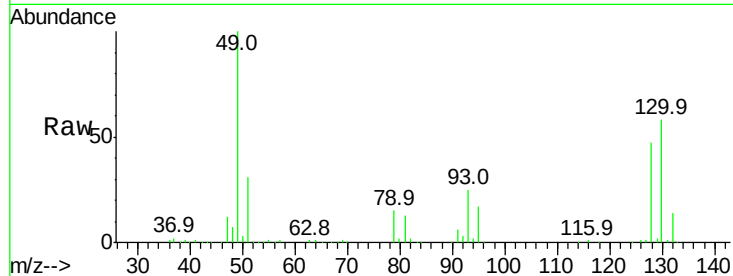
Tgt Ion: 49 Resp: 662938

Ion Ratio Lower Upper

49 100

128 49.8 24.5 73.5

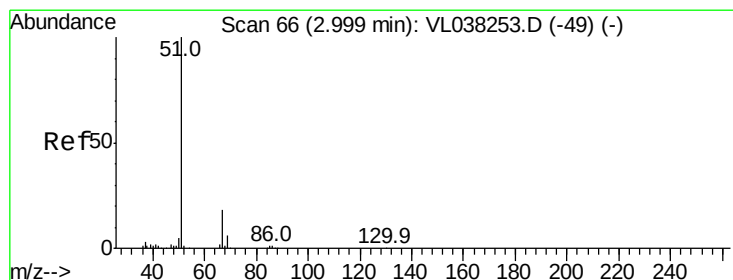
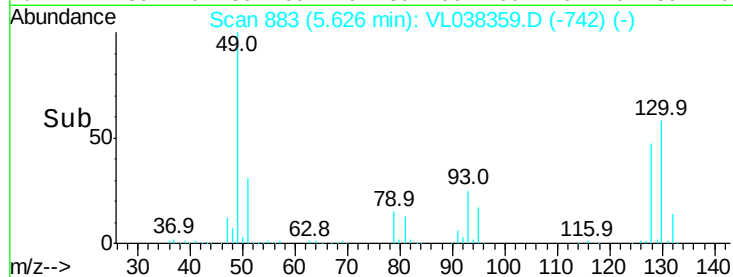
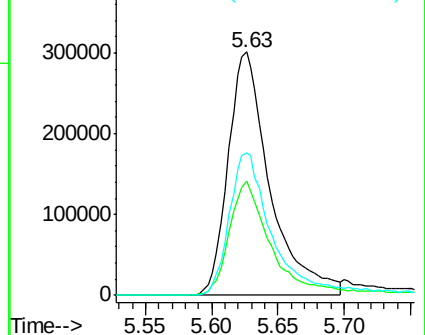
130 62.3 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.27 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.03 min

Lab File: VL038359.D

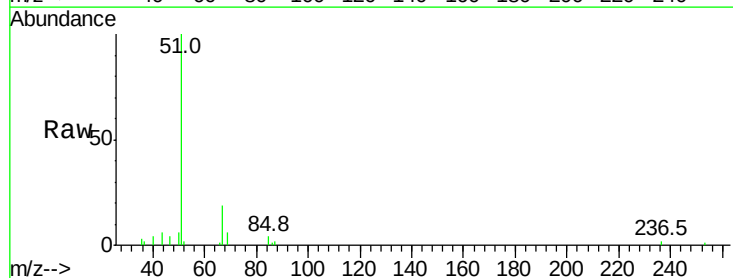
Acq: 15 Feb 2022 9:12

Tgt Ion: 51 Resp: 35450

Ion Ratio Lower Upper

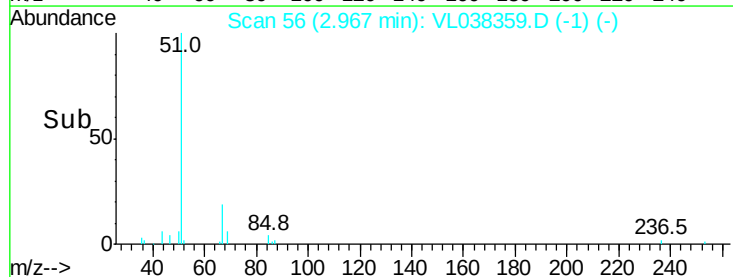
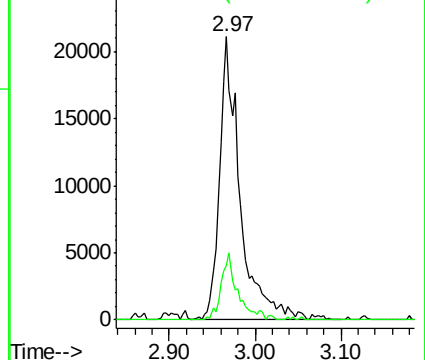
51 100

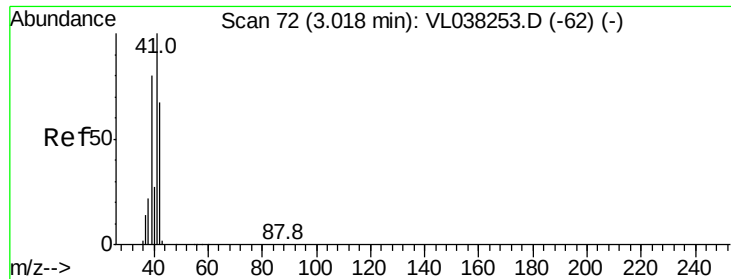
67 18.8 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.05 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

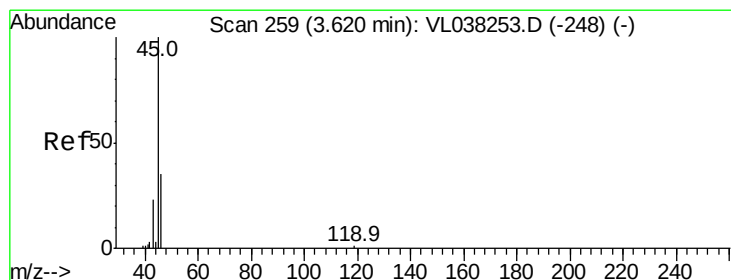
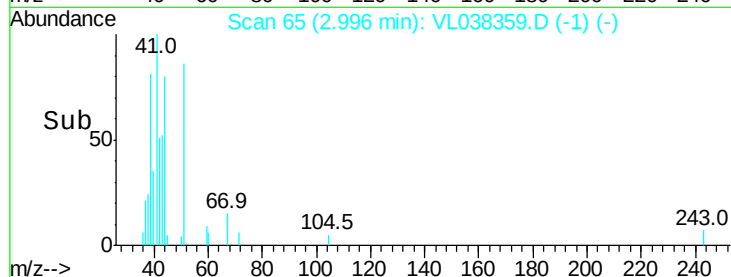
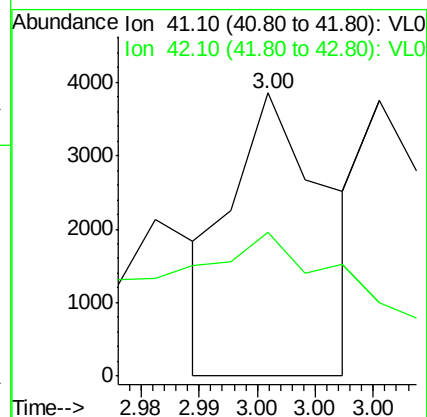
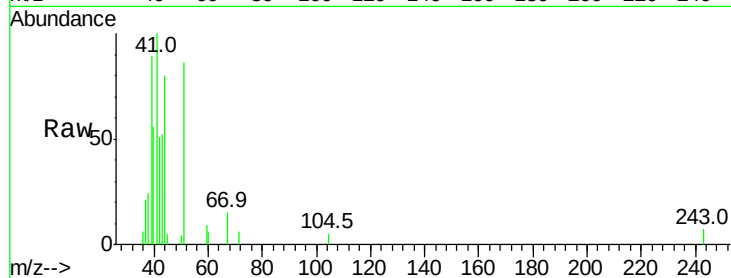
Acq: 15 Feb 2022 9:12 SV2DL2

Tgt Ion: 41 Resp: 2176

Ion Ratio Lower Upper

41 100

42 173.1 54.9 82.3#



#13

Ethanol

Concen: 0.06 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.04 min

Lab File: VL038359.D

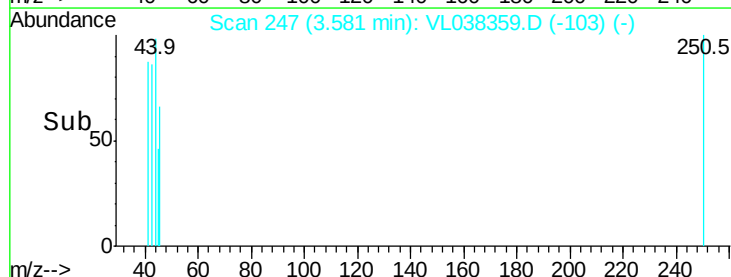
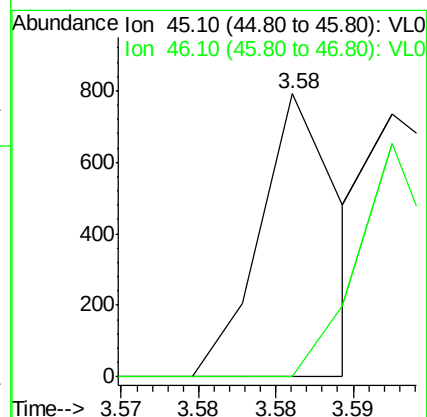
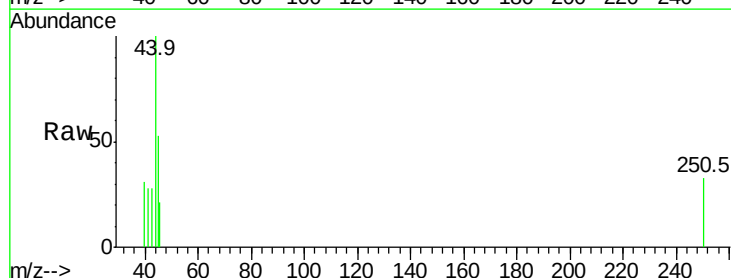
Acq: 15 Feb 2022 9:12

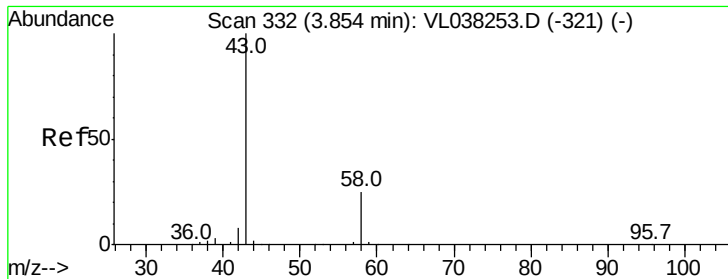
Tgt Ion: 45 Resp: 286

Ion Ratio Lower Upper

45 100

46 300.0 15.4 61.6#





#15

Acetone

Concen: 0.25 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

SV2DL2

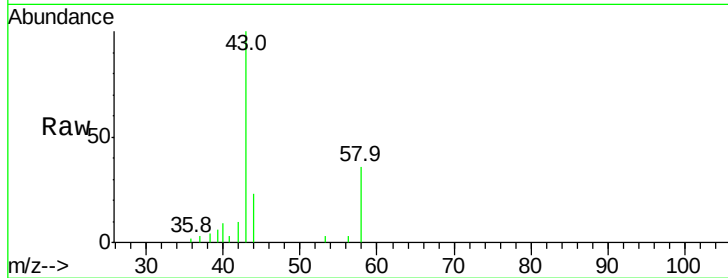
Acq: 15 Feb 2022 9:12

Tgt Ion: 43 Resp: 14824

Ion Ratio Lower Upper

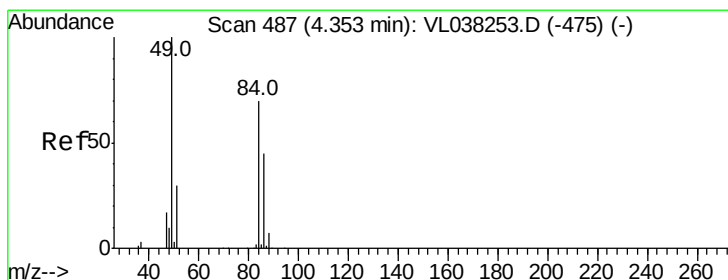
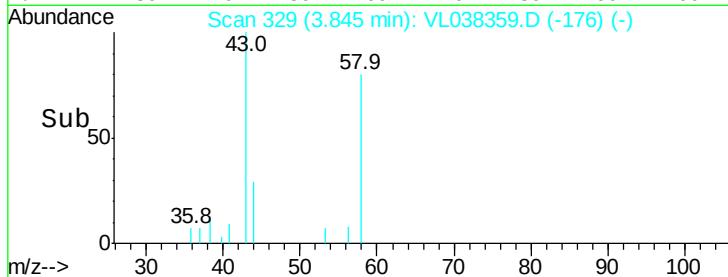
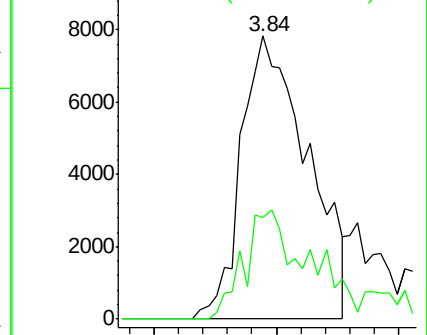
43 100

58 46.7 21.5 32.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.14 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.04 min

Lab File: VL038359.D

Acq: 15 Feb 2022 9:12

Tgt Ion: 84 Resp: 4720

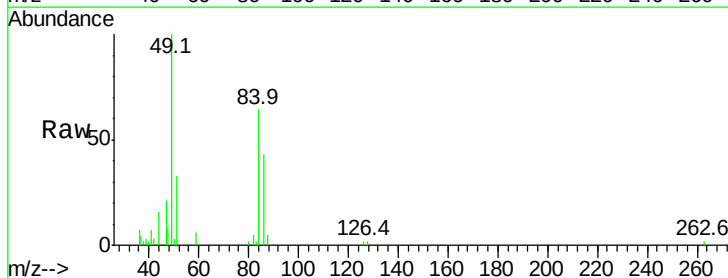
Ion Ratio Lower Upper

84 100

49 150.1 115.0 172.6

51 41.8 35.0 52.6

86 69.4 51.4 77.0

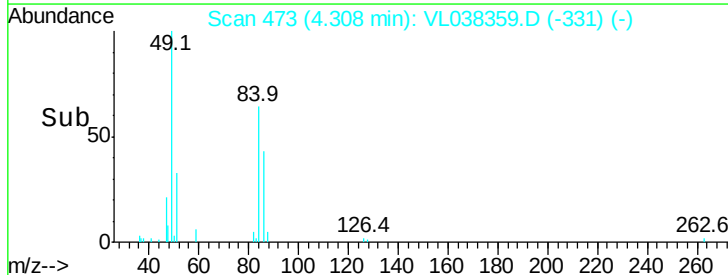
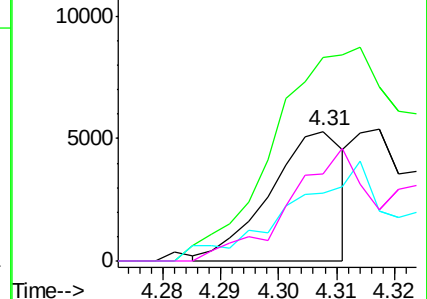


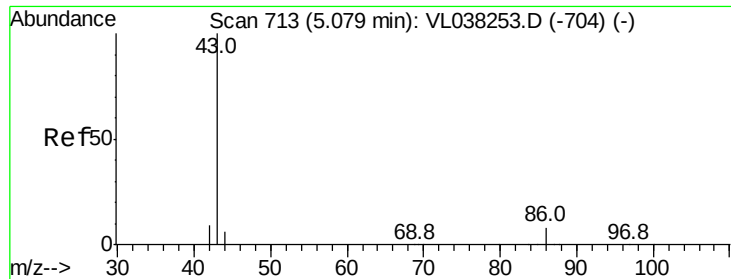
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.11 ppbv

RT: 5.05 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

SV2DL2

Acq: 15 Feb 2022 9:12

Tgt Ion: 43 Resp: 8928

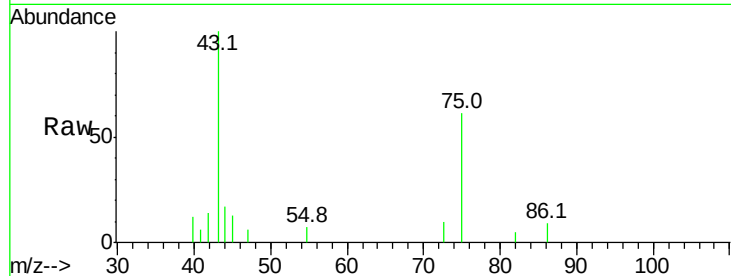
Ion Ratio Lower Upper

43 100

86 10.5 5.7 8.5#

42 15.5 7.7 11.5#

44 0.0 4.2 6.4#

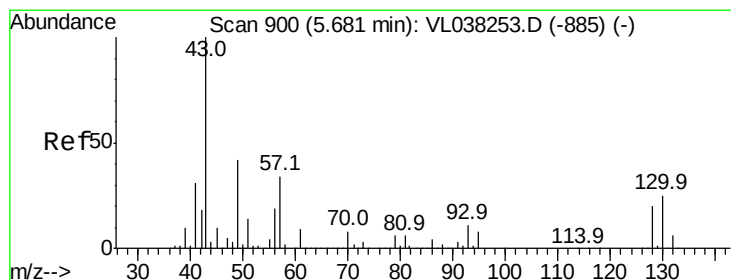
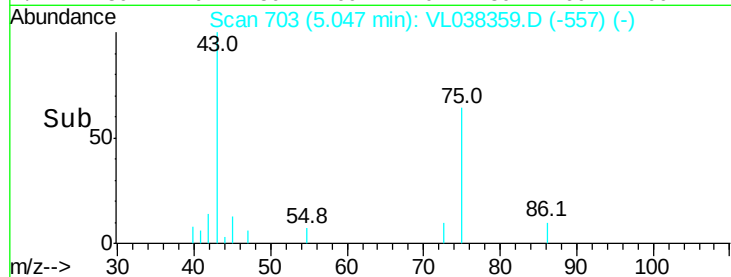
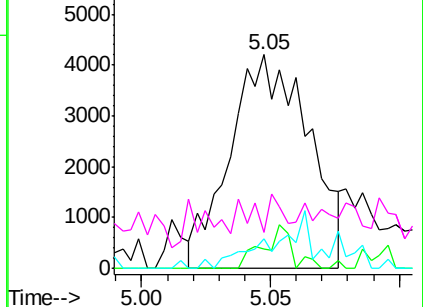


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.05 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.03 min

Lab File: VL038359.D

Acq: 15 Feb 2022 9:12

Tgt Ion: 43 Resp: 8983

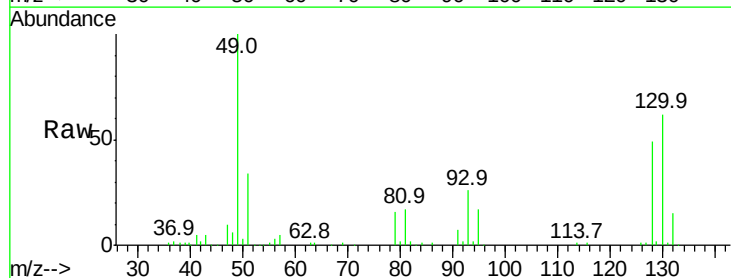
Ion Ratio Lower Upper

43 100

45 2.7 7.9 11.9#

61 0.0 7.8 11.8#

70 0.0 5.4 8.0#

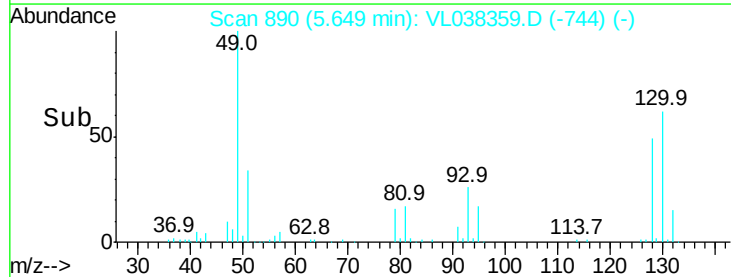
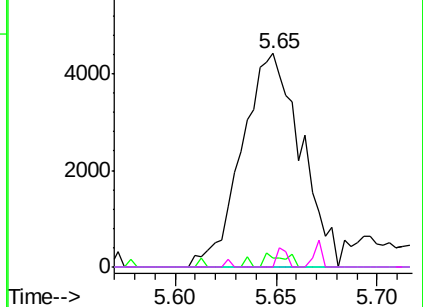


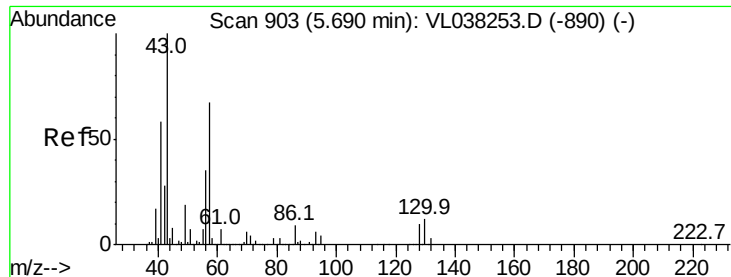
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

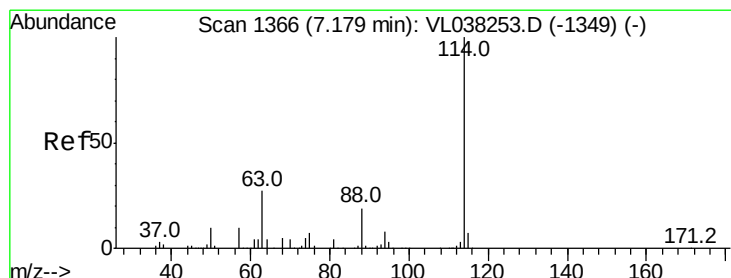
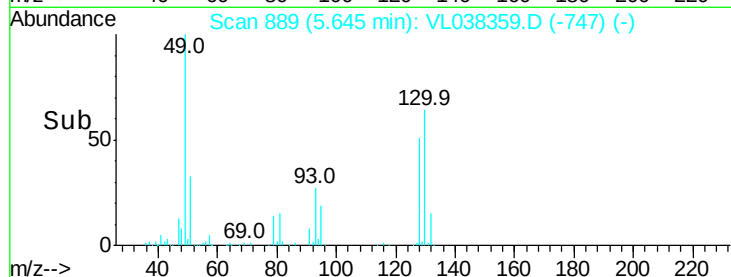
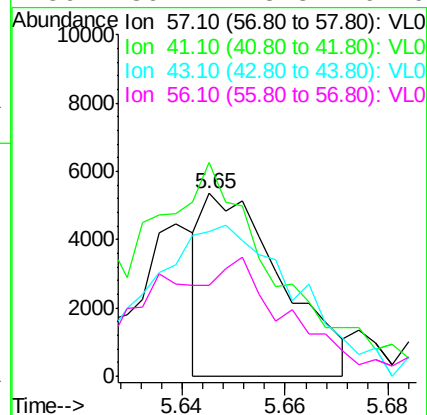
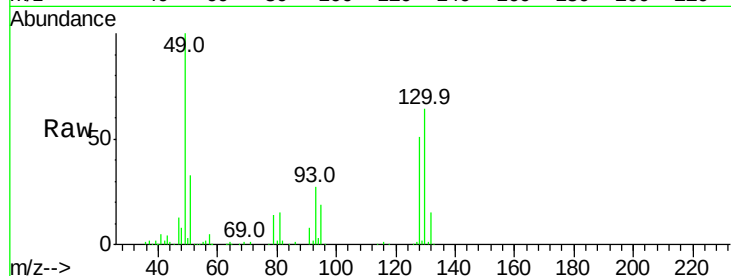
Ion 70.10 (69.80 to 70.80): VL0





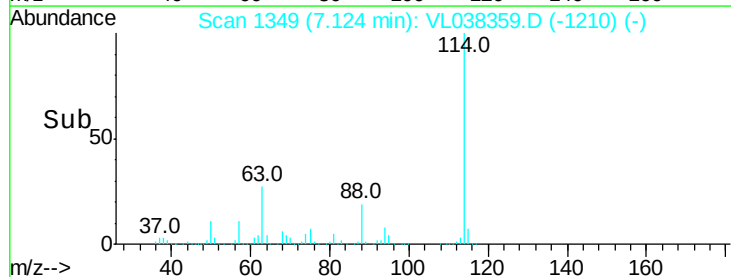
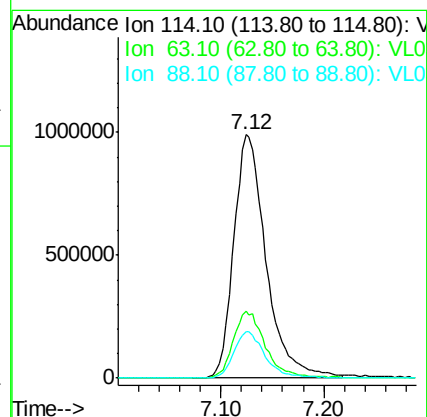
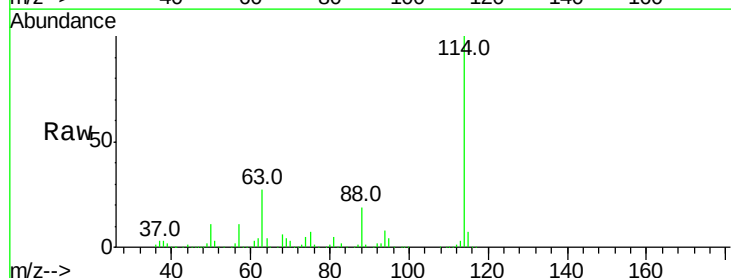
#26
Hexane
Concen: 0.07 ppbv
RT: 5.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Feb 2022 9:12

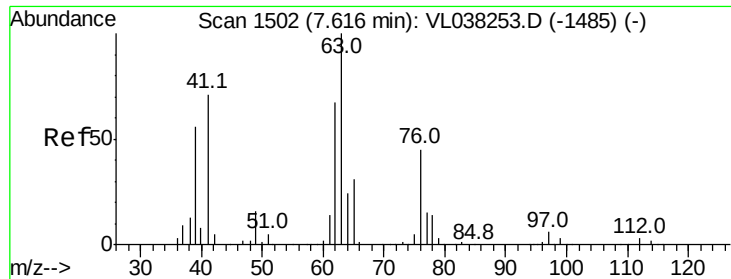
Tgt Ion: 57 Resp: 5668
Ion Ratio Lower Upper
57 100
41 242.4 72.8 109.2#
43 182.5 177.0 265.6
56 130.7 43.3 64.9#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.05 min
Lab File: VL038359.D
Acq: 15 Feb 2022 9:12

Tgt Ion: 114 Resp: 2167004
Ion Ratio Lower Upper
114 100
63 27.9 22.0 33.0
88 18.8 15.0 22.6





#39

1,2-Dichloropropane

Concen: 7.52 ppbv

RT: 7.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Feb 2022 9:12

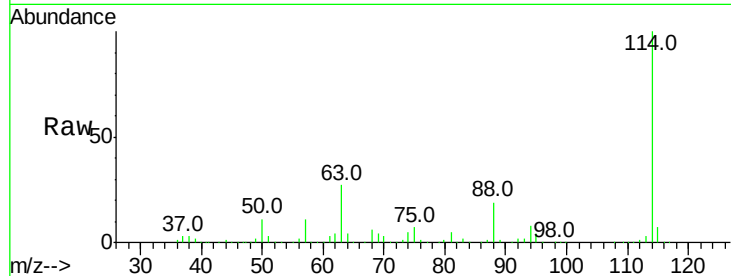
Tgt Ion: 63 Resp: 584336

Ion Ratio Lower Upper

63 100

41 0.2 56.6 85.0#

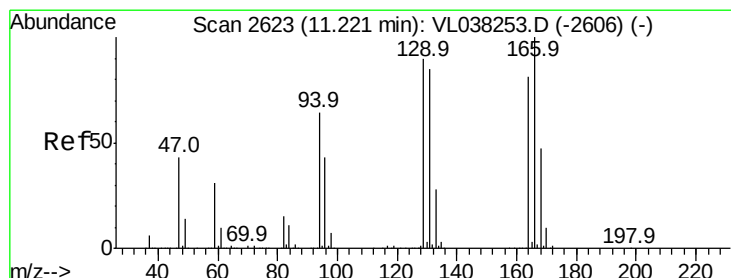
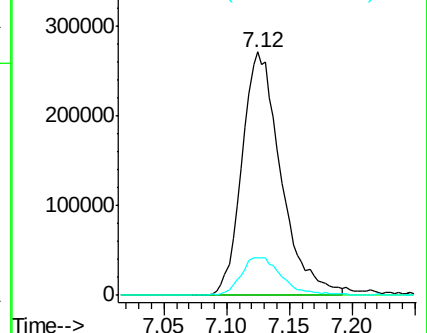
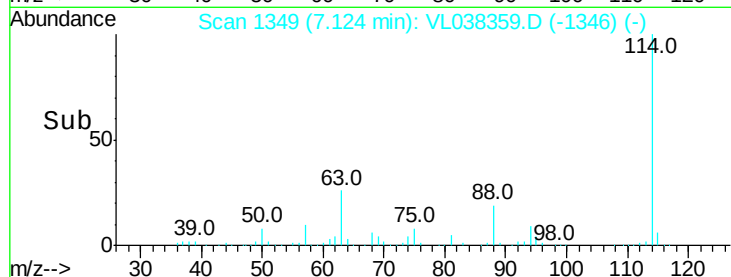
62 15.4 53.9 80.9#



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



#52

Tetrachloroethene

Concen: 6.45 ppbv

RT: 11.17 min Scan# 2607

Delta R.T. -0.05 min

Lab File: VL038359.D

Acq: 15 Feb 2022 9:12

Tgt Ion:164 Resp: 426332

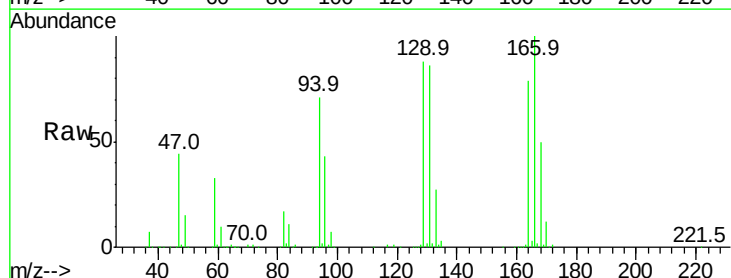
Ion Ratio Lower Upper

164 100

166 126.6 98.8 148.2

129 111.9 89.2 133.8

131 108.9 83.6 125.4

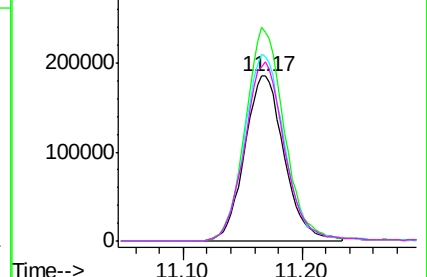
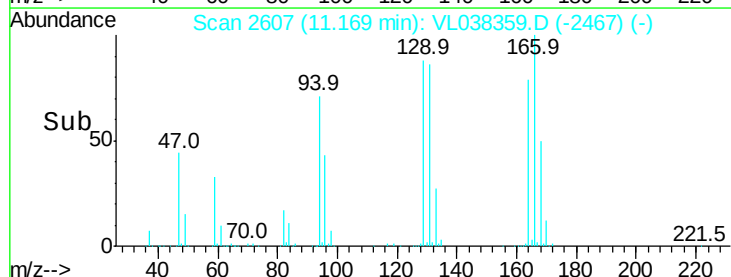


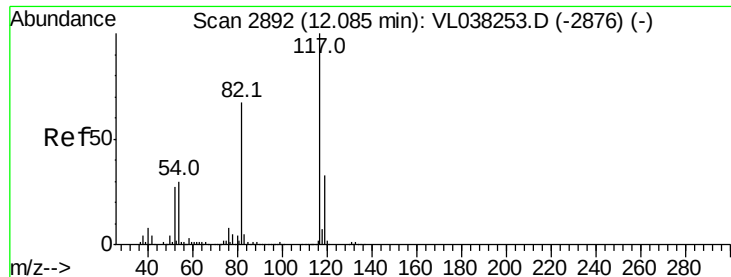
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

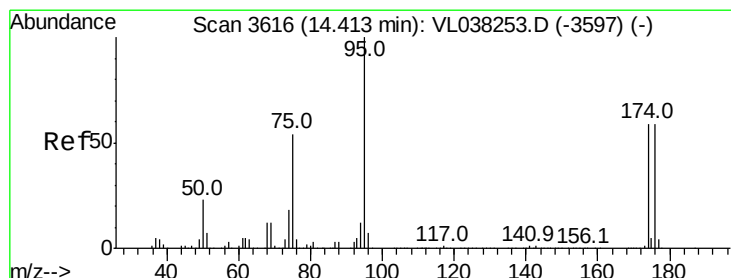
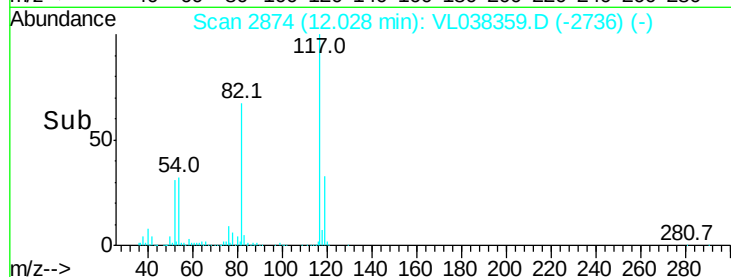
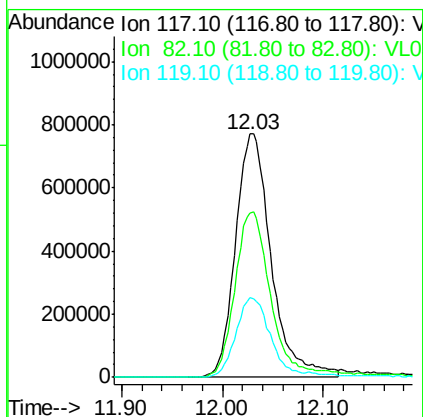
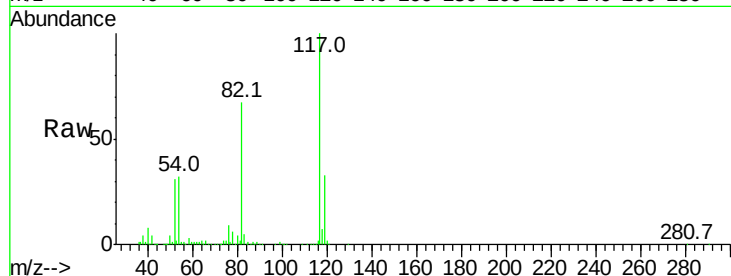
Ion 131.00 (130.70 to 131.70): V





#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.03 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV2DL2
Acq: 15 Feb 2022 9:12

Tgt Ion: 117 Resp: 1895836
Ion Ratio Lower Upper
117 100
82 71.5 54.4 81.6
119 33.7 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.72 ppbv
RT: 14.36 min Scan# 3599
Delta R.T.: -0.05 min
Lab File: VL038359.D
Acq: 15 Feb 2022 9:12

Tgt Ion: 95 Resp: 1543159
Ion Ratio Lower Upper
95 100
174 58.6 48.3 72.5
175 4.3 3.5 5.3

