

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038753.D
 Acq On : 24 Mar 2022 18:20
 Operator : SY/AP
 Sample : N2048-01DL2 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P93DL2

Quant Time: Mar 25 02:09:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	808229	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2190225	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1902788	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1443549	9.90	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

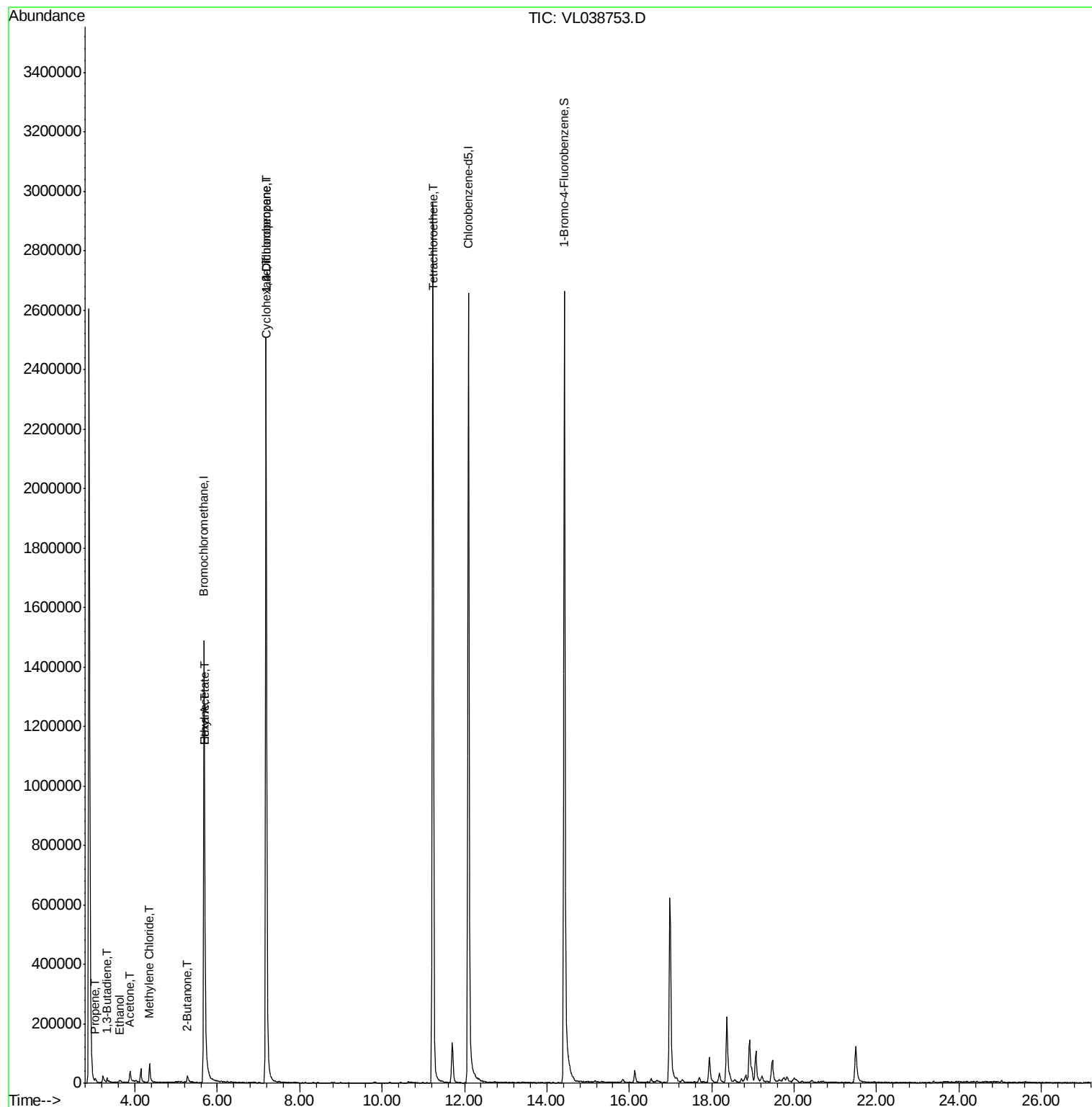
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	1338	0.03	ppbv #	15
13) Ethanol	3.63	45	6370	1.40	ppbv #	53
15) Acetone	3.88	43	43097	0.62	ppbv #	84
16) 1,3-Butadiene	3.32	39	4086	0.10	ppbv #	16
20) Methylene Chloride	4.36	84	26238	0.89	ppbv #	92
25) Ethyl Acetate	5.70	43	9966	0.06	ppbv #	77
26) Hexane	5.70	57	11066	0.14	ppbv #	42
30) Cyclohexane	7.17	84	2699	0.04	ppbv #	6
34) 2-Butanone	5.27	43	26707	0.31	ppbv #	90
39) 1,2-Dichloropropane	7.19	63	514210	7.78	ppbv #	28
52) Tetrachloroethene	11.24	164	787091	12.72	ppbv	97

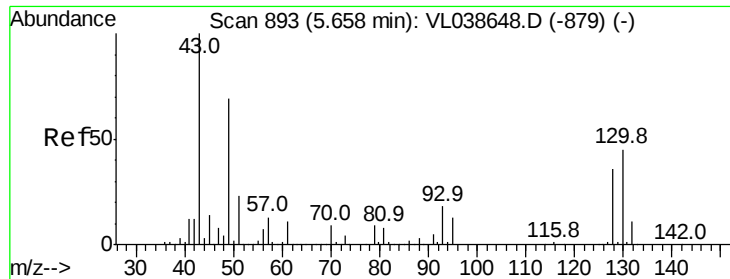
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
Data File : VL038753.D
Acq On : 24 Mar 2022 18:20
Operator : SY/AP
Sample : N2048-01DL2 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P93DL2

Quant Time: Mar 25 02:09:40 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Mar 2022 18:20

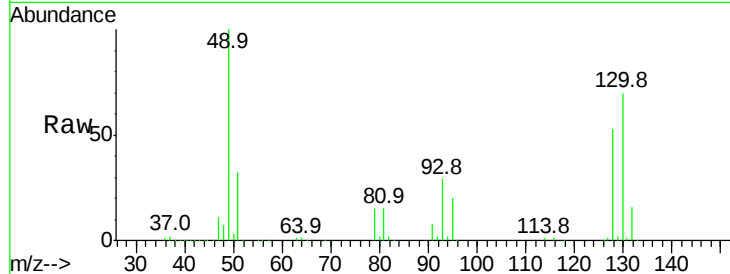
Tgt Ion: 49 Resp: 808229

Ion Ratio Lower Upper

49 100

128 57.1 26.2 78.6

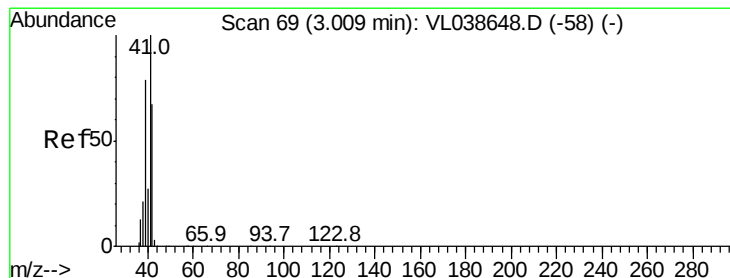
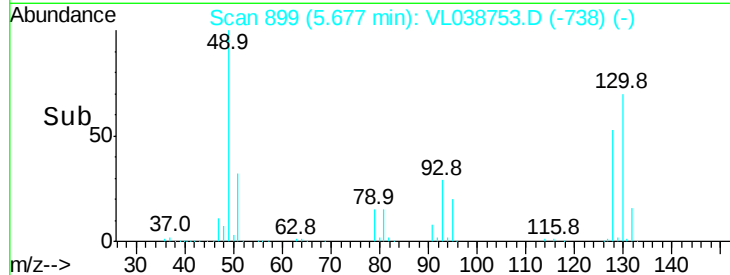
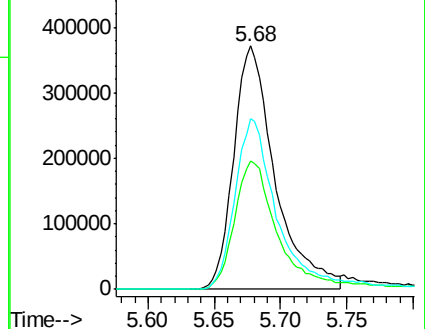
130 74.4 33.7 101.1



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



#9

Propene

Concen: 0.03 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038753.D

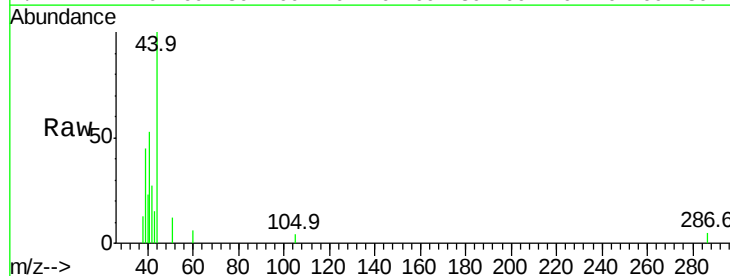
Acq: 24 Mar 2022 18:20

Tgt Ion: 41 Resp: 1338

Ion Ratio Lower Upper

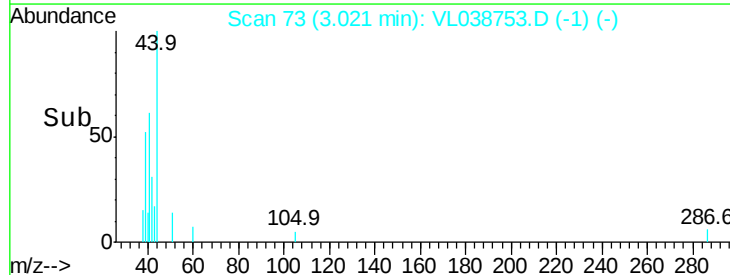
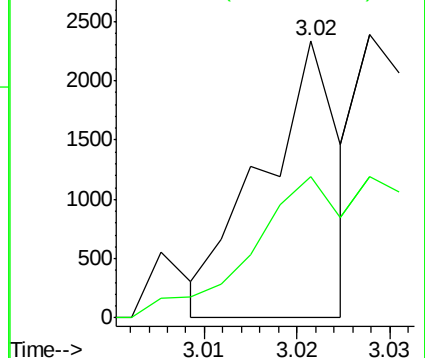
41 100

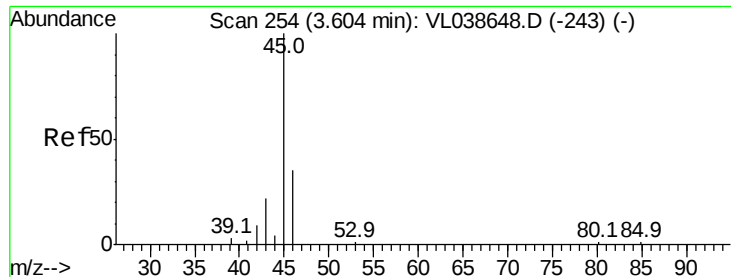
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

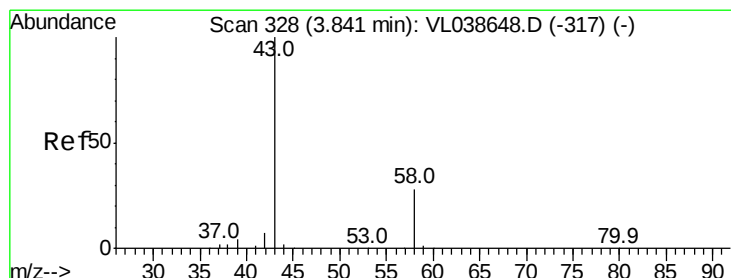
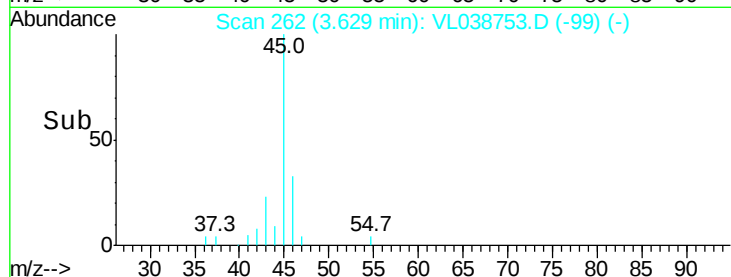
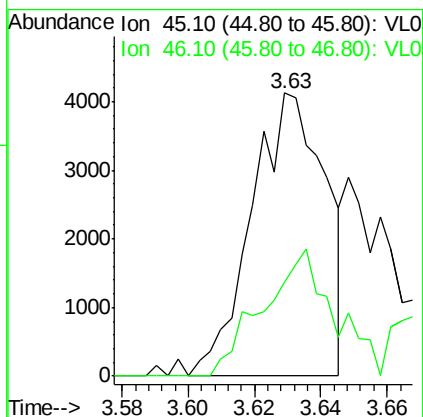
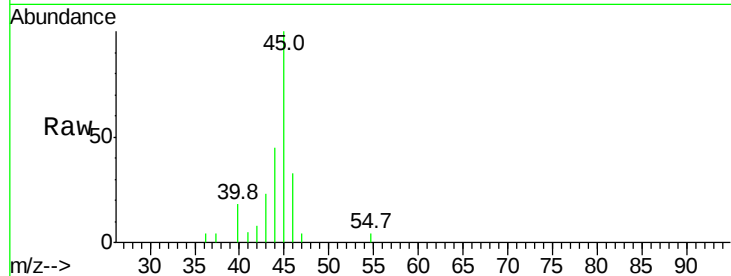
Ion 42.10 (41.80 to 42.80): VL0





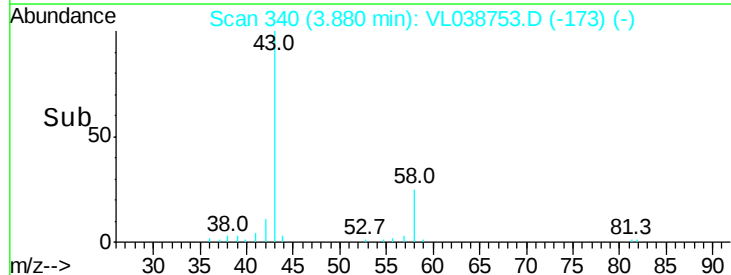
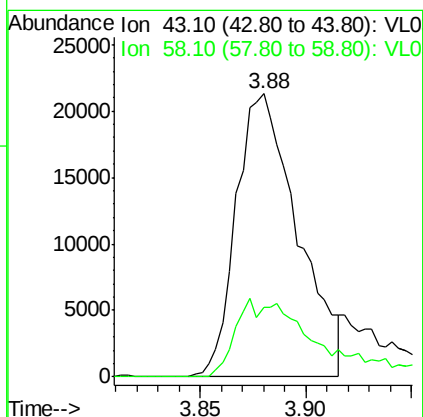
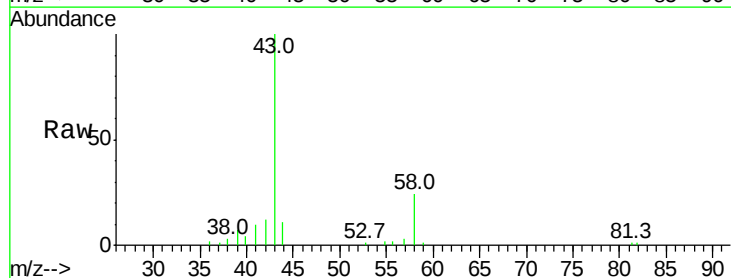
#13
Ethanol
Concen: 1.40 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
COP93DL2
Acq: 24 Mar 2022 18:20

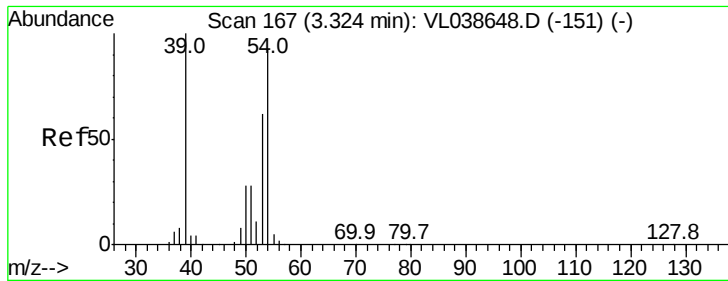
Tgt Ion: 45 Resp: 6370
Ion Ratio Lower Upper
45 100
46 65.9 15.1 60.5#



#15
Acetone
Concen: 0.62 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL038753.D
Acq: 24 Mar 2022 18:20

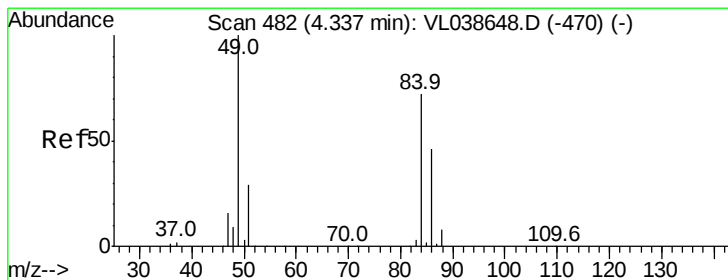
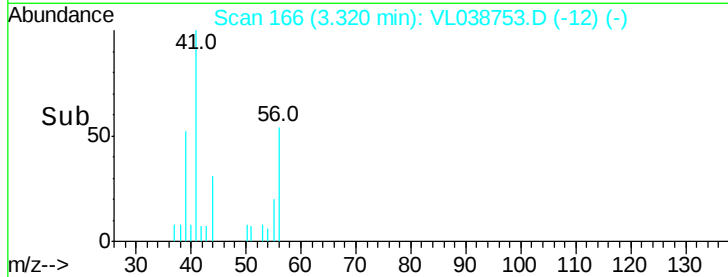
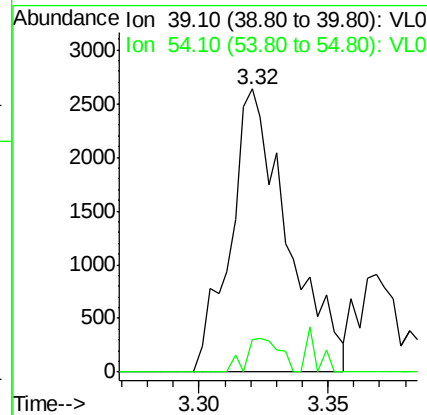
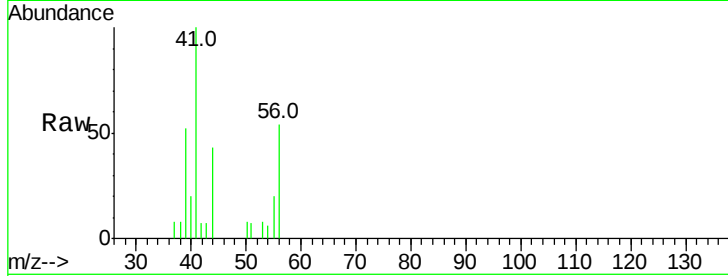
Tgt Ion: 43 Resp: 43097
Ion Ratio Lower Upper
43 100
58 37.9 23.3 34.9#





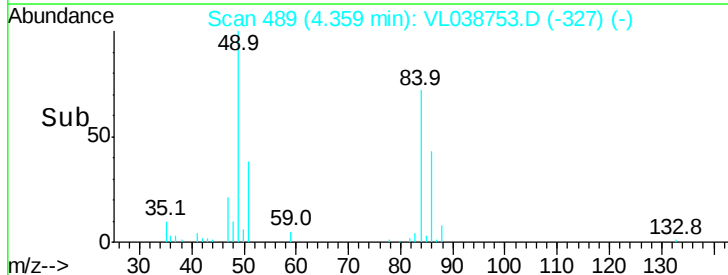
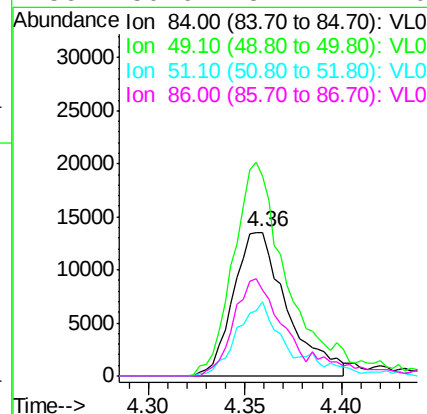
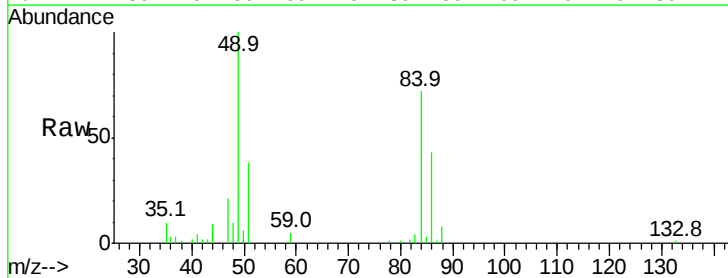
#16
 1,3-Butadiene
 Concen: 0.10 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P93DL2
 Acq: 24 Mar 2022 18:20

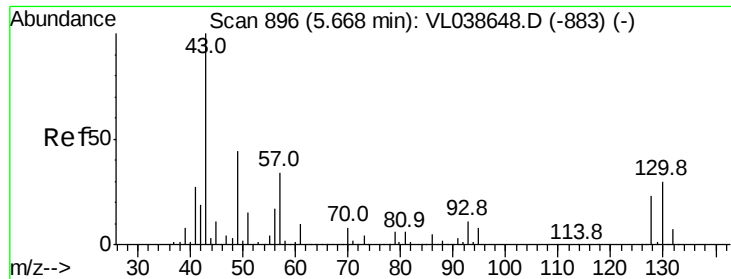
Tgt Ion: 39 Resp: 4086
 Ion Ratio Lower Upper
 39 100
 54 9.0 69.1 103.7#



#20
 Methylene Chloride
 Concen: 0.89 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. 0.02 min
 Lab File: VL038753.D
 Acq: 24 Mar 2022 18:20

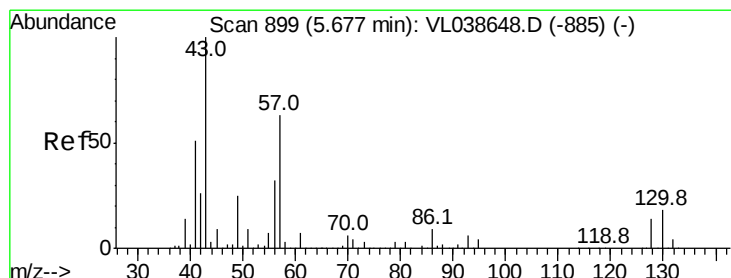
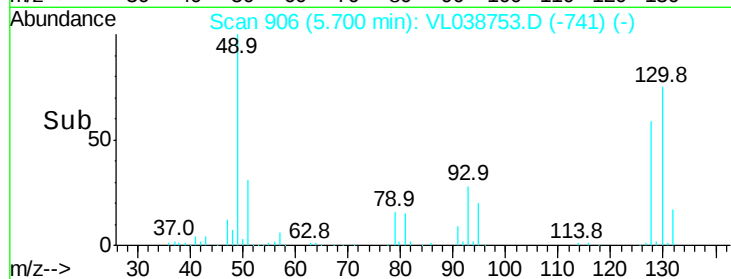
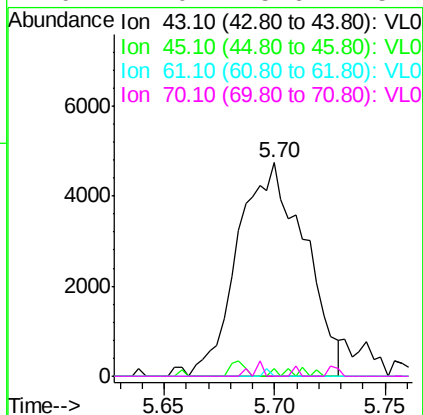
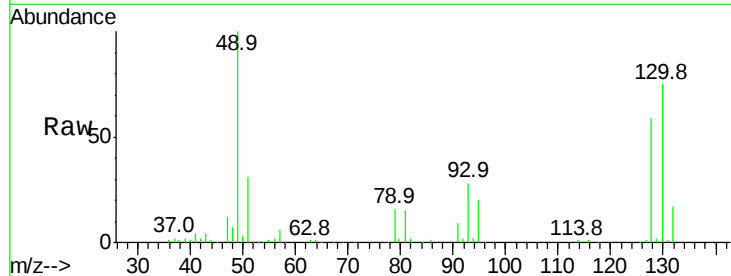
Tgt Ion: 84 Resp: 26238
 Ion Ratio Lower Upper
 84 100
 49 145.7 111.2 166.8
 51 52.2 32.8 49.2#
 86 59.6 51.4 77.0





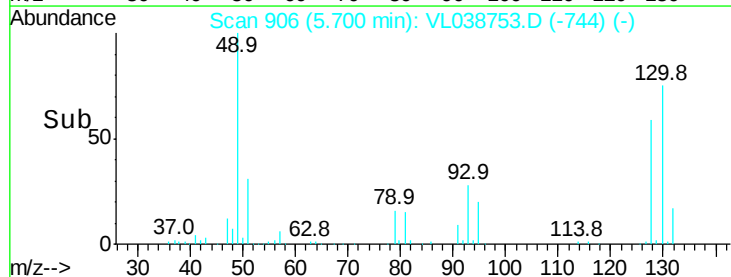
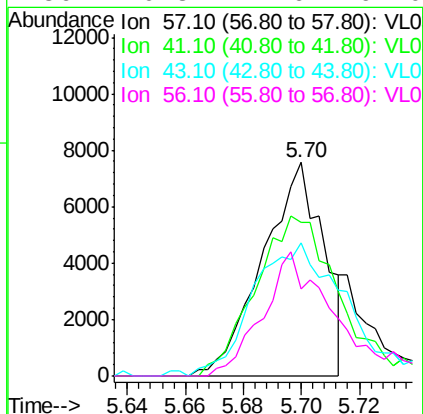
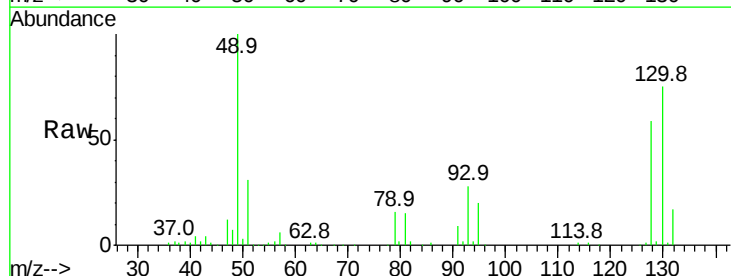
#25
Ethyl Acetate
Concen: 0.06 ppbv
RT: 5.70 min
Delta R.T.: 0.02 min
Lab File: VL038648.D
Acq: 24 Mar 2022 18:20

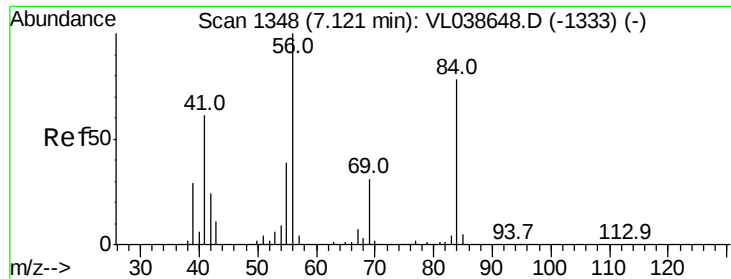
Tgt Ion:	43	Resp:	9966
Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.4#
61	0.3	8.3	12.5#
70	1.0	5.6	8.4#



#26
Hexane
Concen: 0.14 ppbv
RT: 5.70 min Scan# 906
Delta R.T.: 0.02 min
Lab File: VL038753.D
Acq: 24 Mar 2022 18:20

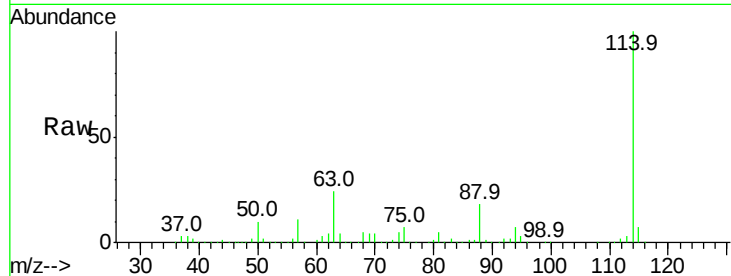
Tgt Ion:	57	Resp:	11066
Ion	Ratio	Lower	Upper
57	100		
41	105.7	67.0	100.4#
43	100.6	184.2	276.2#
56	70.3	42.6	64.0#



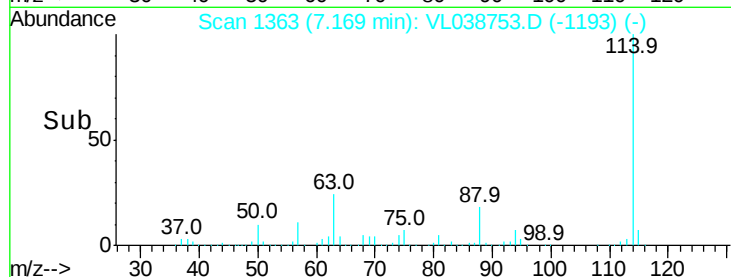
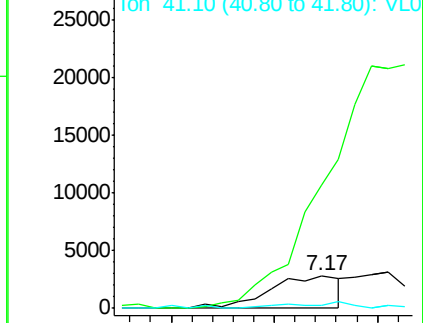


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.17 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 24 Mar 2022 18:20

Tgt Ion: 84 Resp: 2699
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 24.6 61.8 92.6#

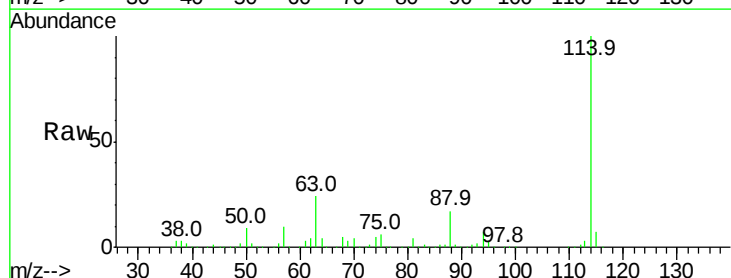
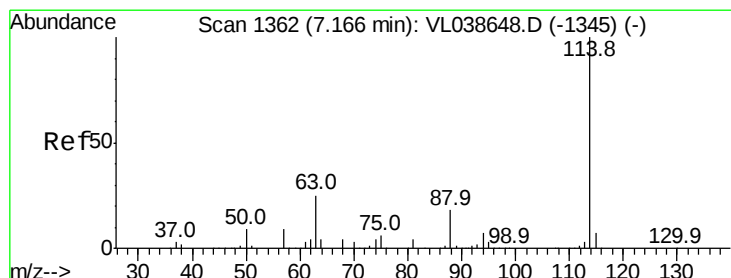


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

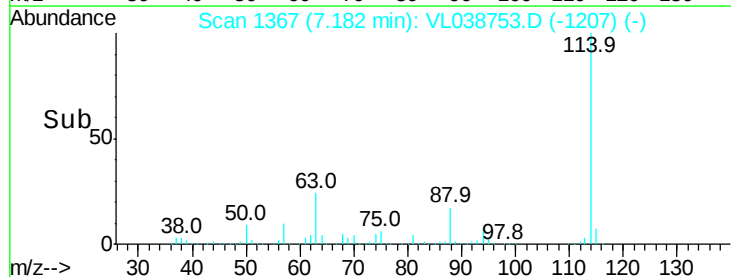
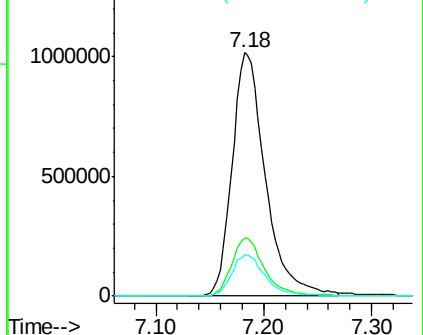


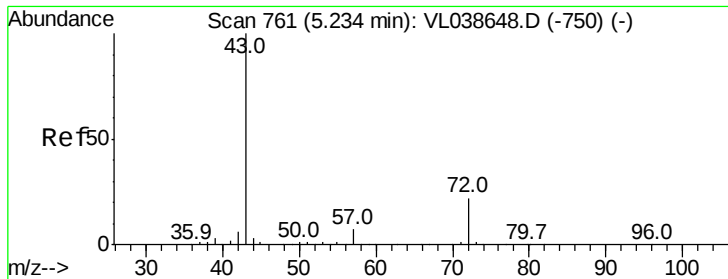
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL038753.D
Acq: 24 Mar 2022 18:20

Tgt Ion: 114 Resp: 2190225
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.0
88 17.4 13.9 20.9



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





#34

2-Butanone

Concen: 0.31 ppbv

RT: 5.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

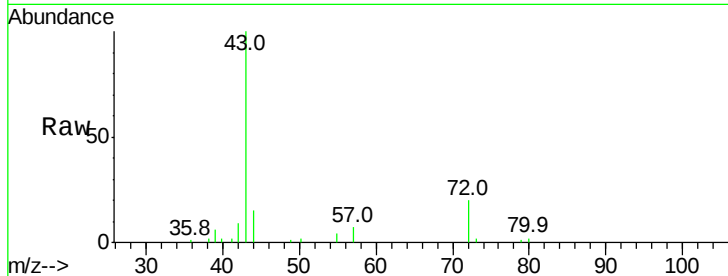
Acq: 24 Mar 2022 18:20

Tgt Ion: 43 Resp: 26707

Ion Ratio Lower Upper

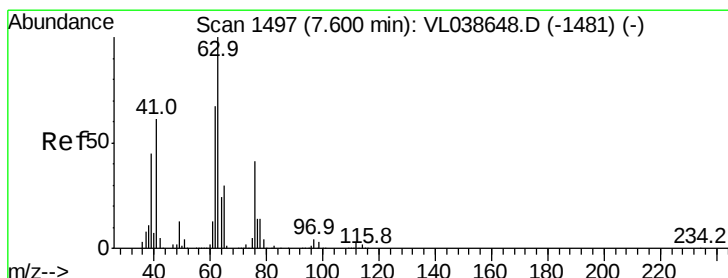
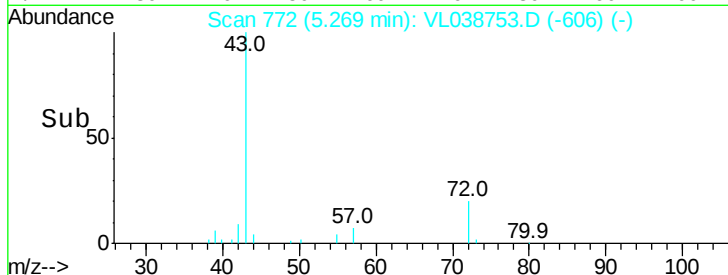
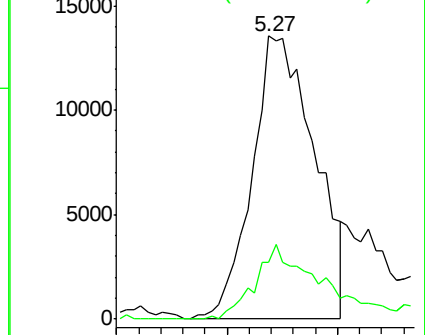
43 100

72 27.3 17.8 26.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#39

1,2-Dichloropropane

Concen: 7.78 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.41 min

Lab File: VL038753.D

Acq: 24 Mar 2022 18:20

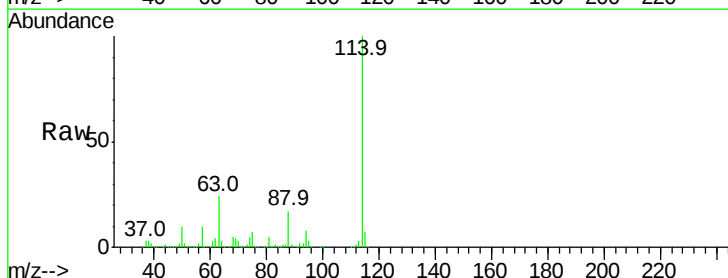
Tgt Ion: 63 Resp: 514210

Ion Ratio Lower Upper

63 100

41 0.0 49.0 73.6#

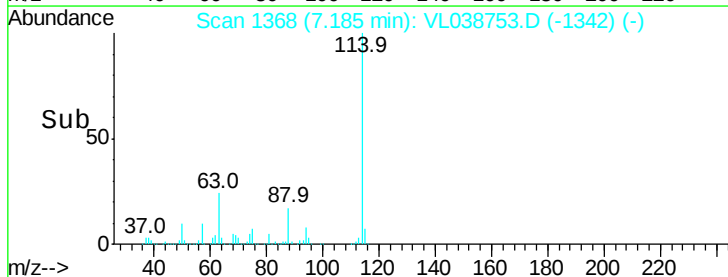
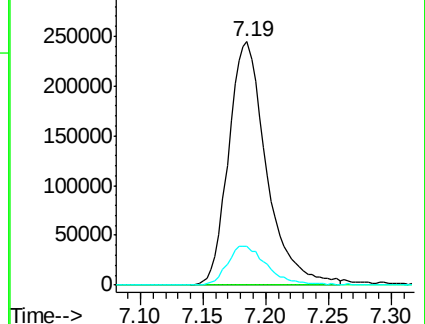
62 15.7 53.9 80.9#

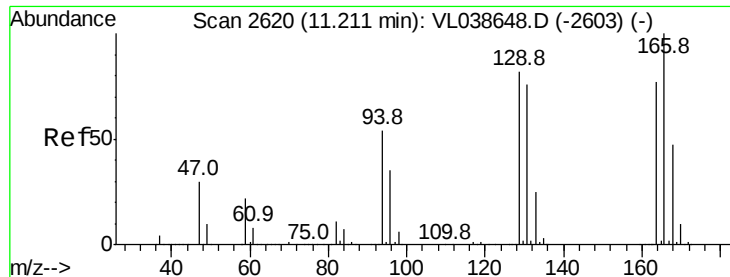


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 12.72 ppbv

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 18:20

Tgt Ion:164 Resp: 787091

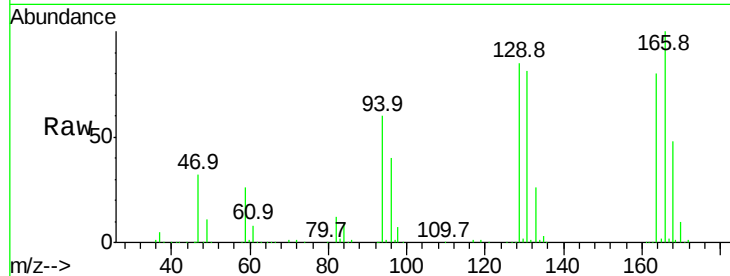
Ion Ratio Lower Upper

164 100

166 125.3 103.3 154.9

129 105.9 85.2 127.8

131 101.4 78.3 117.5

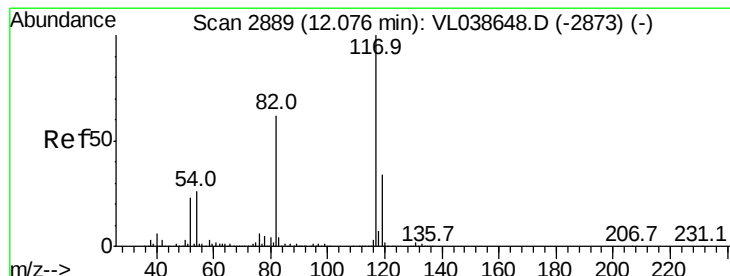
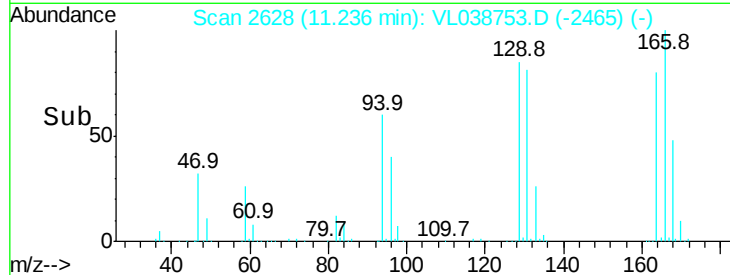
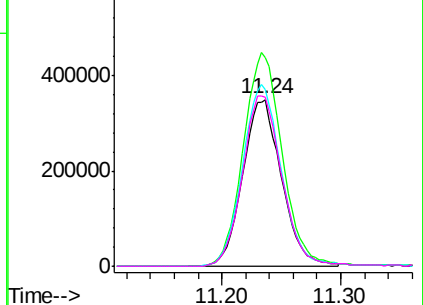


Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.09 min Scan# 2895

Delta R.T. 0.02 min

Lab File: VL038753.D

Acq: 24 Mar 2022 18:20

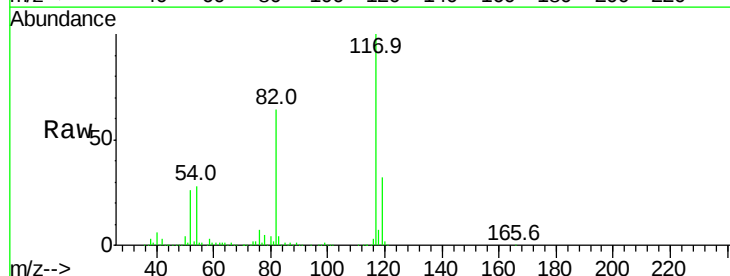
Tgt Ion:117 Resp: 1902788

Ion Ratio Lower Upper

117 100

82 66.3 51.6 77.4

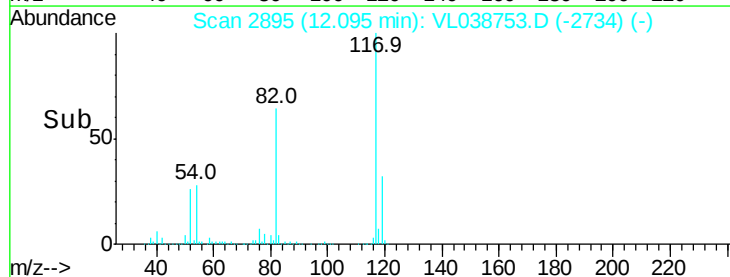
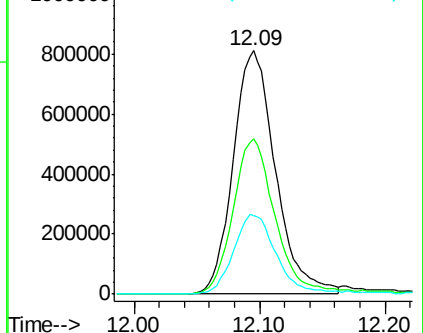
119 33.9 26.9 40.3

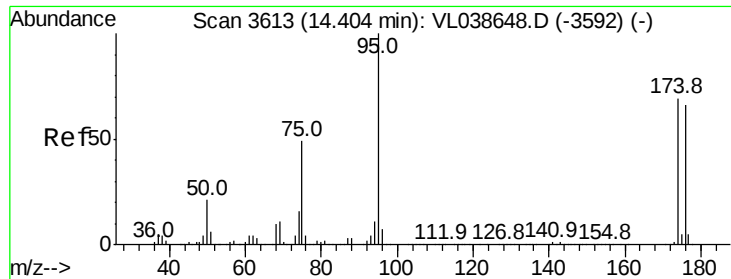


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.90 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

COP93DL2

Acq: 24 Mar 2022 18:20

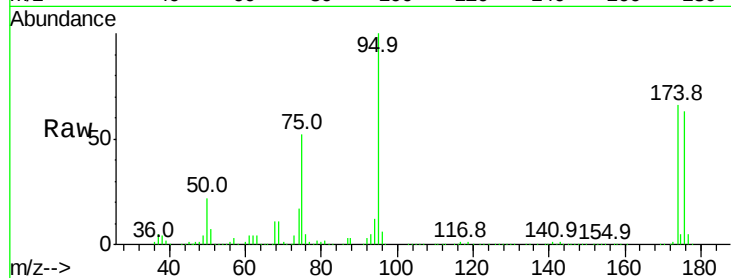
Tgt Ion: 95 Resp: 1443549

Ion Ratio Lower Upper

95 100

174 70.4 56.1 84.1

175 5.0 4.2 6.2



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

