

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031722\
 Data File : VL038638.D
 Acq On : 17 Mar 2022 23:04
 Operator : SY/AP
 Sample : N2003-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA4DL

Quant Time: Apr 01 05:44:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	842125	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2126438	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1802869	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1228817	8.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

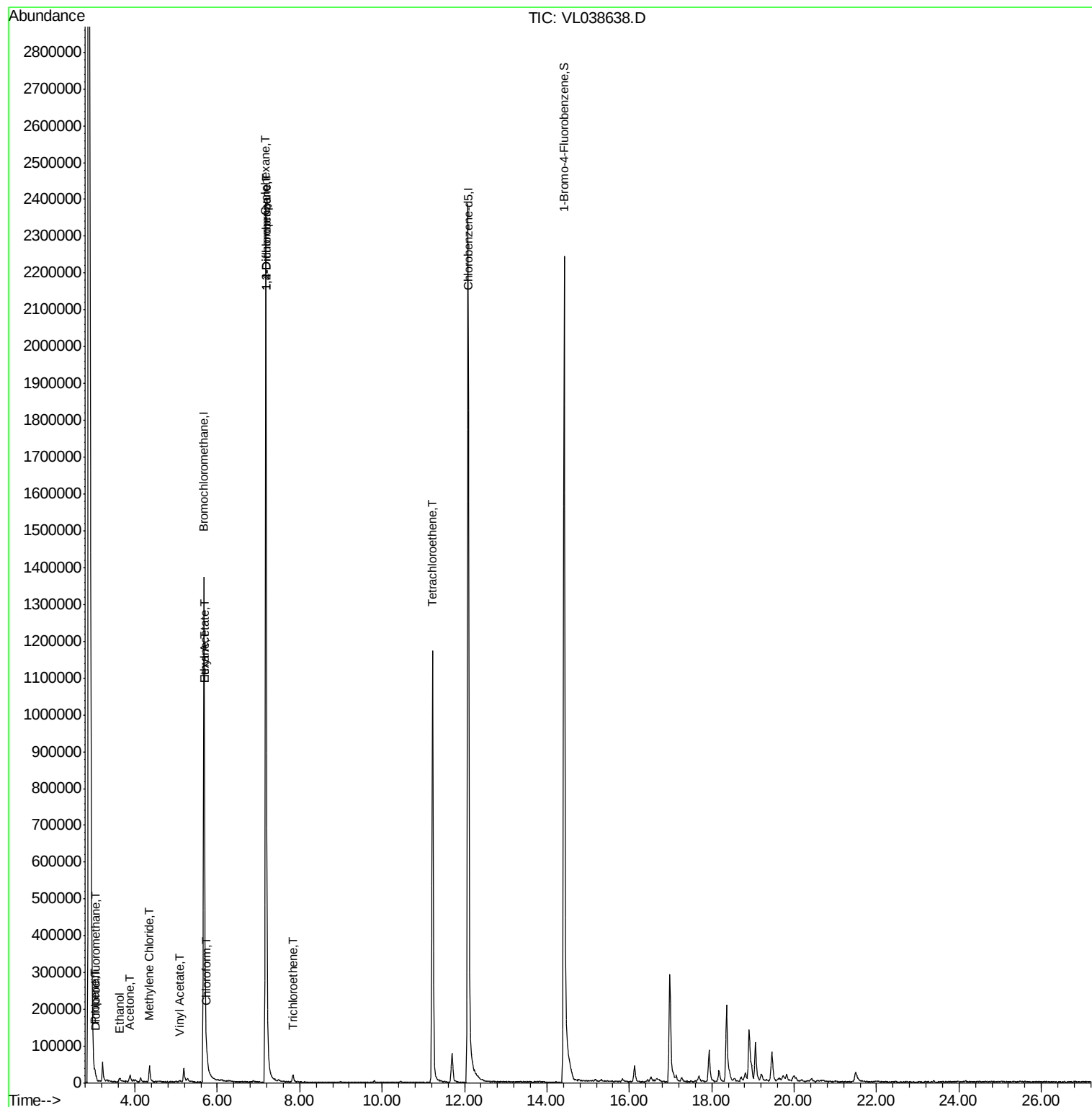
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	5830	0.046	ppbv	98
9) Propene	3.02	41	3817	0.073	ppbv #	15
13) Ethanol	3.62	45	3978	0.661	ppbv #	34
15) Acetone	3.87	43	10796	0.182	ppbv #	46
20) Methylene Chloride	4.36	84	17573	0.492	ppbv	90
23) Vinyl Acetate	5.08	43	2632	0.031	ppbv #	62
25) Ethyl Acetate	5.69	43	9880	0.049	ppbv #	79
26) Hexane	5.69	57	11805	0.126	ppbv #	42
29) Chloroform	5.75	83	7980	0.055	ppbv	91
30) Cyclohexane	7.16	84	2636	0.032	ppbv #	1
38) Trichloroethene	7.83	130	3903	0.051	ppbv	88
39) 1,2-Dichloropropane	7.18	63	487326	6.603	ppbv #	26
52) Tetrachloroethene	11.23	164	322404	4.584	ppbv	97

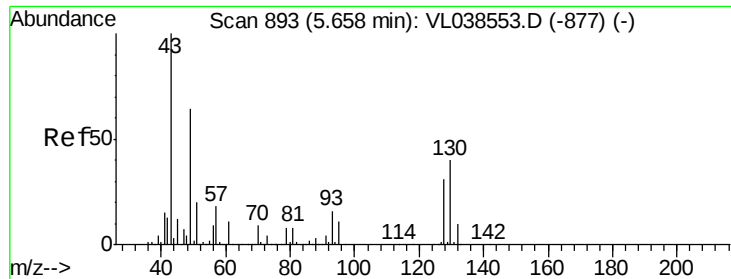
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL031722\
Data File : VL038638.D
Acq On : 17 Mar 2022 23:04
Operator : SY/AP
Sample : N2003-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA4DL

Quant Time: Apr 01 05:44:37 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Mar 2022 23:04

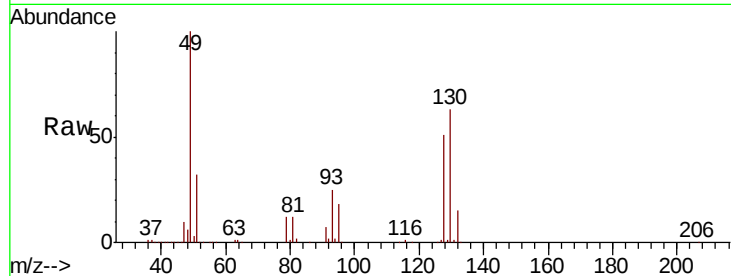
Tot Ion: 49 Resp: 842125

Ion Ratio Lower Upper

49 100

128 53.0 26.4 79.2

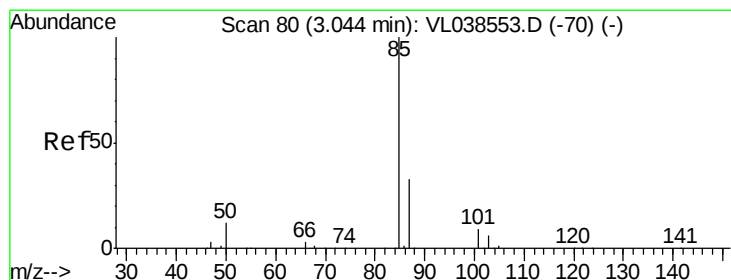
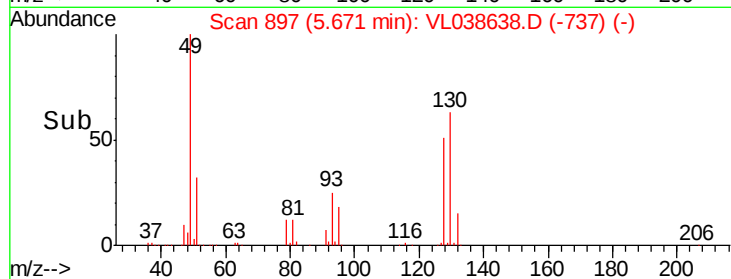
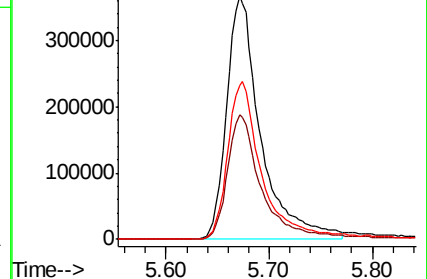
130 67.5 33.0 98.9



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: 0.046 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038638.D

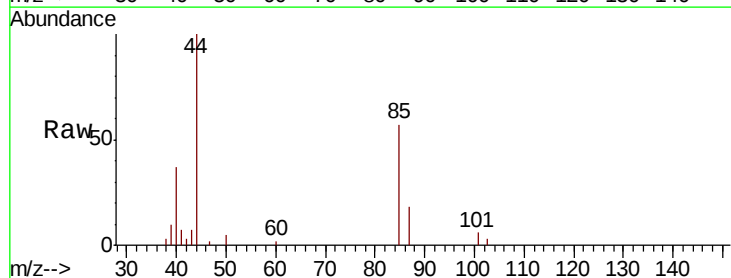
Acq: 17 Mar 2022 23:04

Tgt Ion: 85 Resp: 5830

Ion Ratio Lower Upper

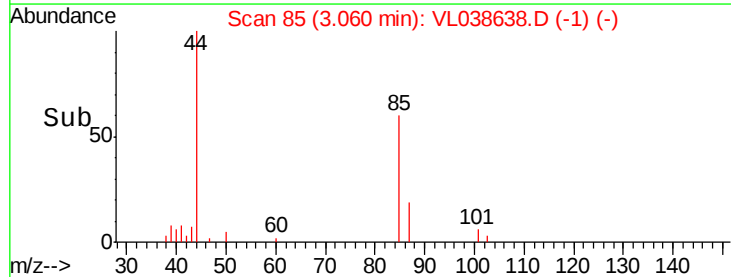
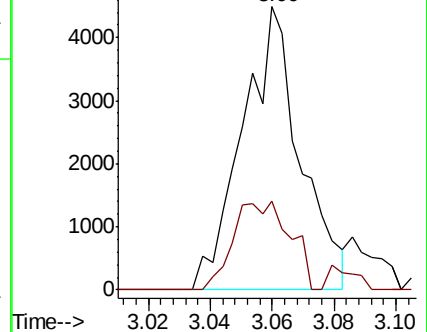
85 100

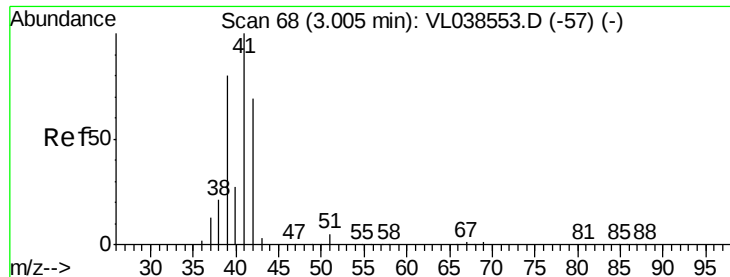
87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.073 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

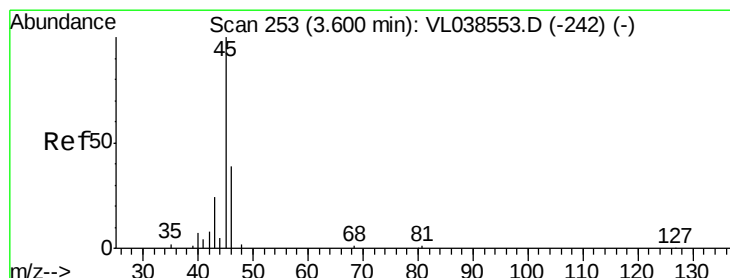
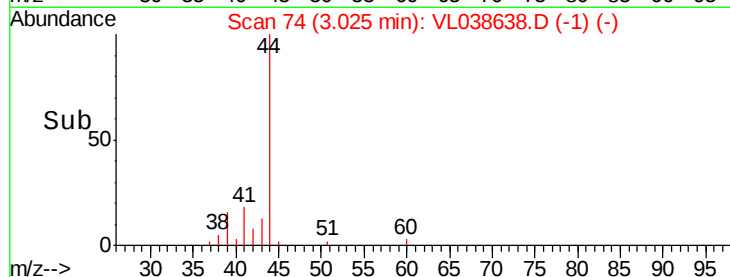
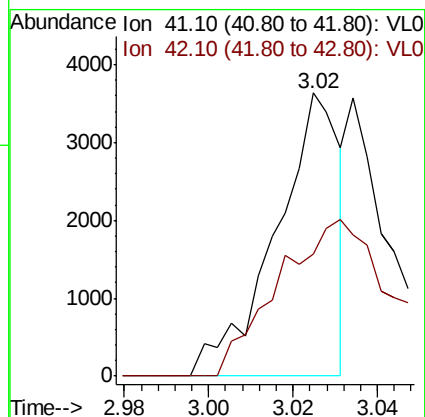
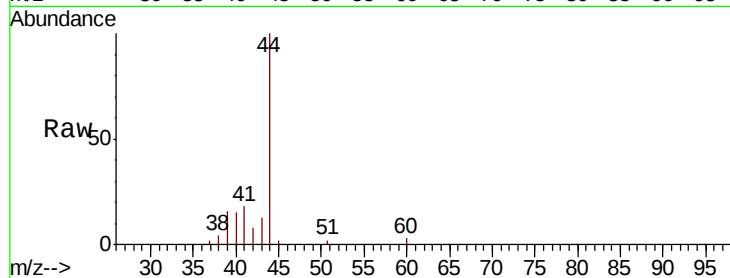
Acq: 17 Mar 2022 23:04

Tot Ion: 41 Resp: 3817

Ion Ratio Lower Upper

41 100

42 0.0 55.7 83.5#



#13

Ethanol

Concen: 0.661 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038638.D

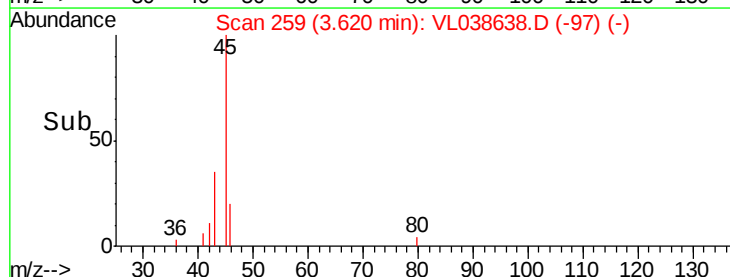
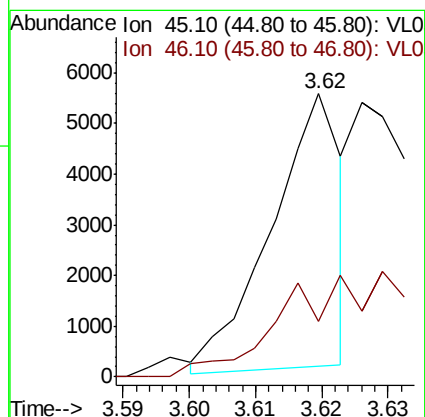
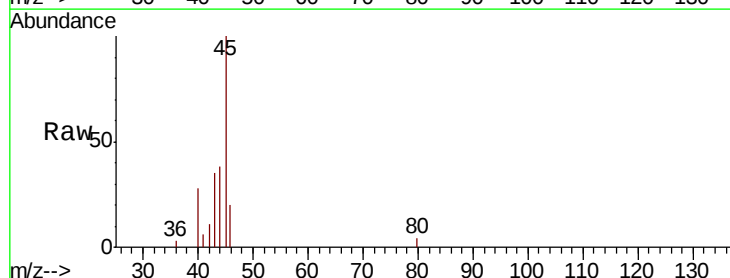
Acq: 17 Mar 2022 23:04

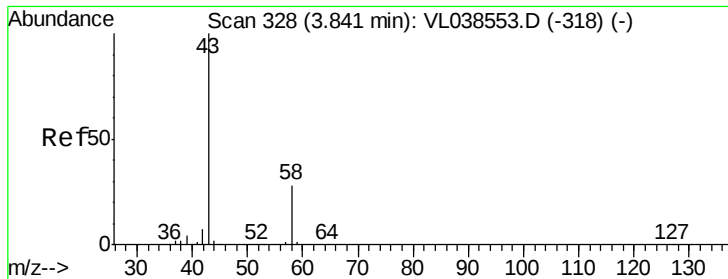
Tgt Ion: 45 Resp: 3978

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.0#





#15

Acetone

Concen: 0.182 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

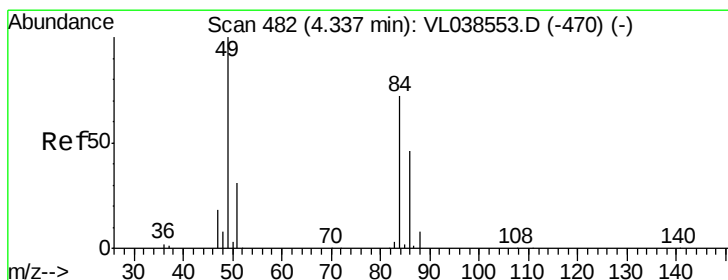
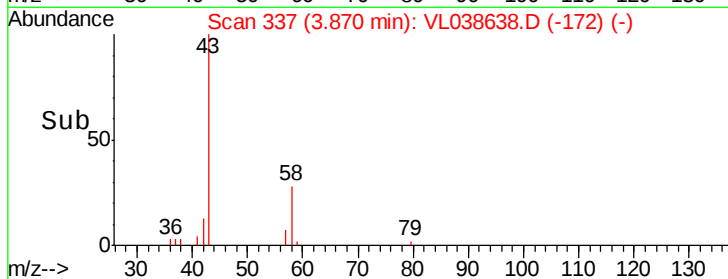
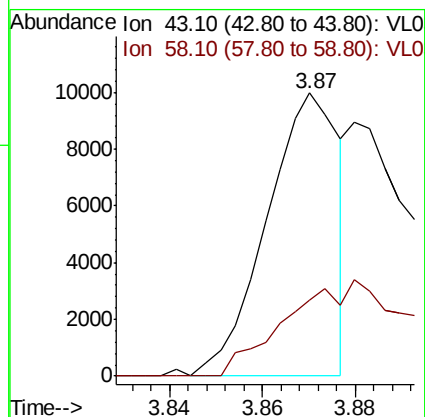
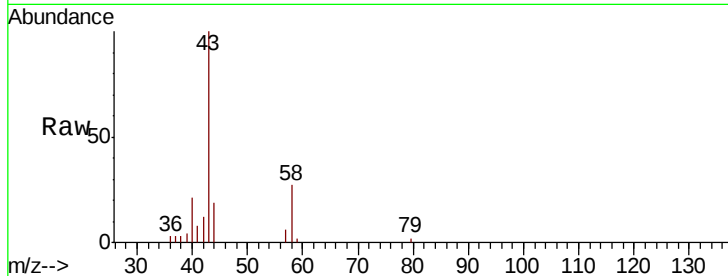
Acq: 17 Mar 2022 23:04

Tot Ion: 43 Resp: 10796

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 0.492 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL038638.D

Acq: 17 Mar 2022 23:04

Tgt Ion: 84 Resp: 17573

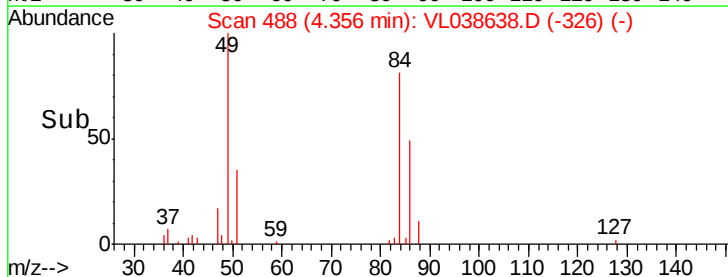
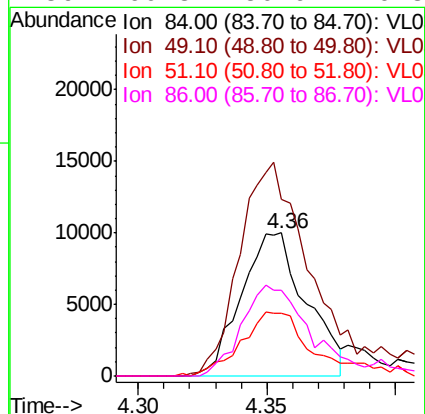
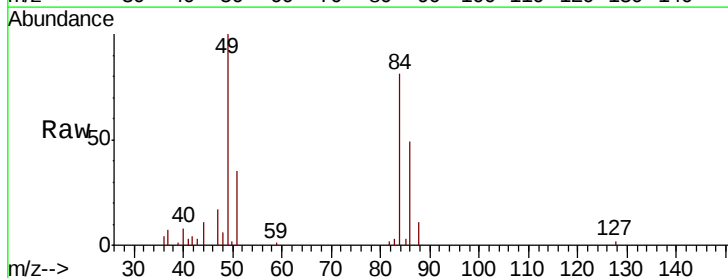
Ion Ratio Lower Upper

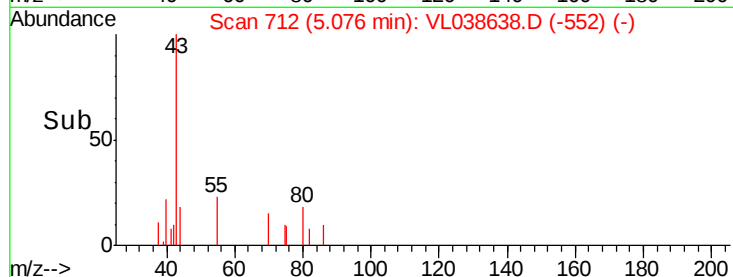
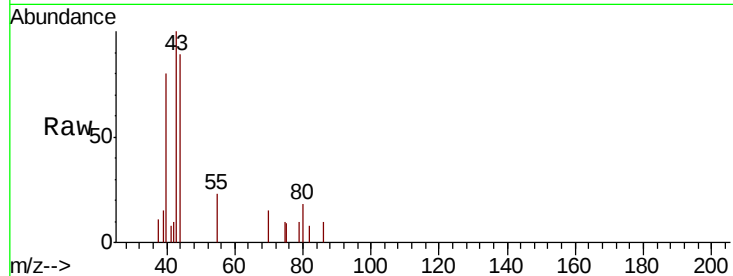
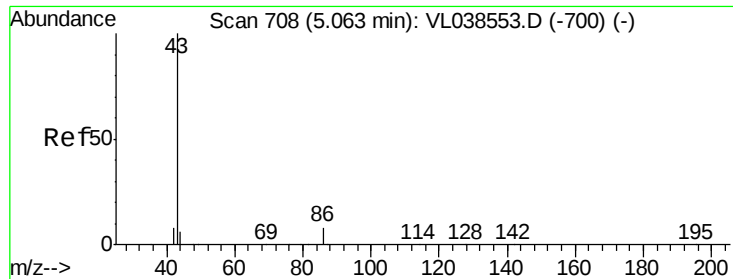
84 100

49 121.7 111.1 166.7

51 43.9 34.0 51.0

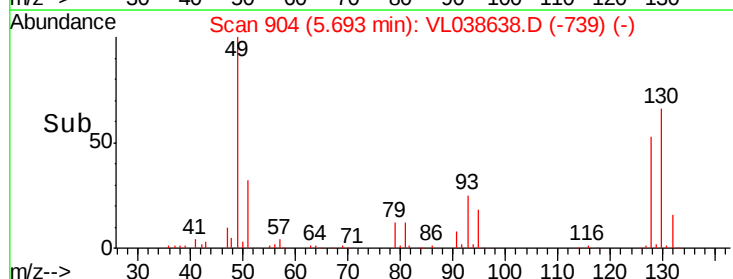
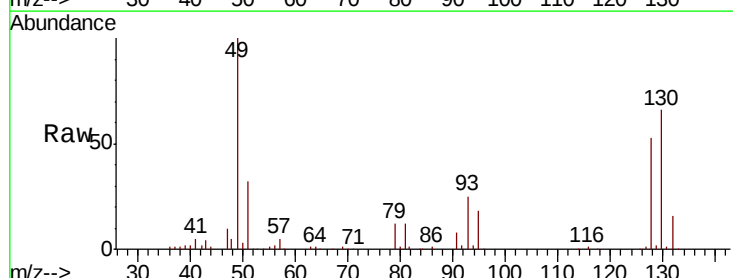
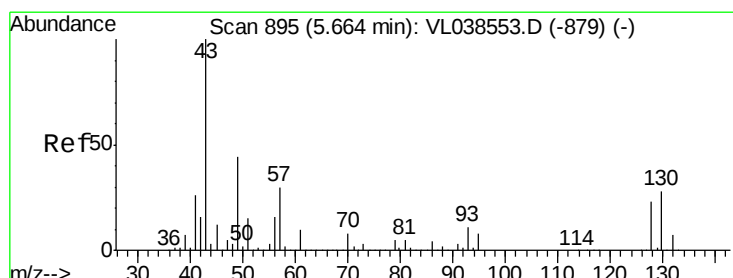
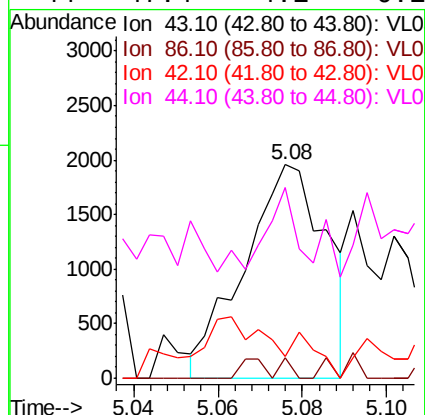
86 60.3 50.9 76.3





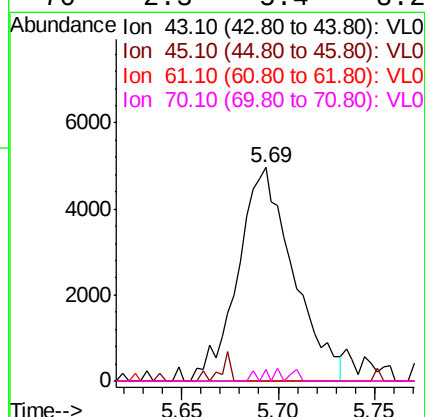
#23
 Vinyl Acetate
 Concen: 0.031 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 C0PA4DL
 Acq: 17 Mar 2022 23:04

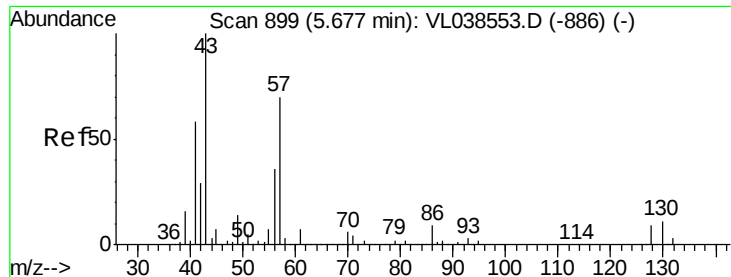
Tot Ion:	43	Resp:	2632
Ion	Ratio	Lower	Upper
43	100		
86	11.0	5.6	8.4#
42	11.8	7.1	10.7#
44	47.4	4.1	6.1#



#25
 Ethyl Acetate
 Concen: 0.049 ppbv
 RT: 5.69 min Scan# 904
 Delta R.T. 0.03 min
 Lab File: VL038638.D
 Acq: 17 Mar 2022 23:04

Tgt Ion:	43	Resp:	9880
Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.0	12.0#
61	0.0	8.2	12.4#
70	2.3	5.4	8.2#





#26

Hexane

Concen: 0.126 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04

Tot Ion: 57 Resp: 11805

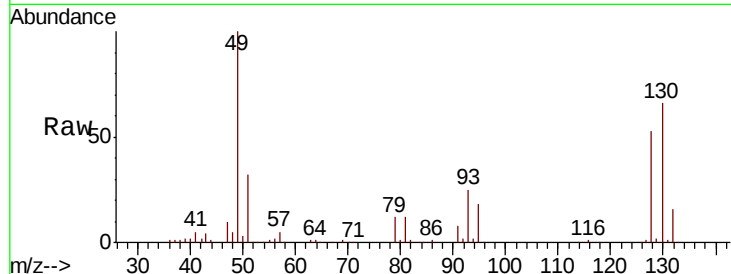
Ion Ratio Lower Upper

57 100

41 108.5 67.8 101.6#

43 89.1 173.6 260.4#

56 64.9 42.2 63.2#

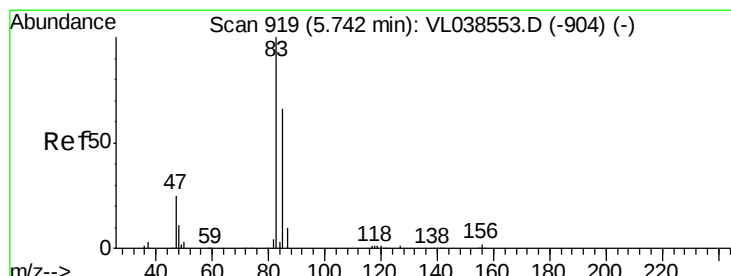
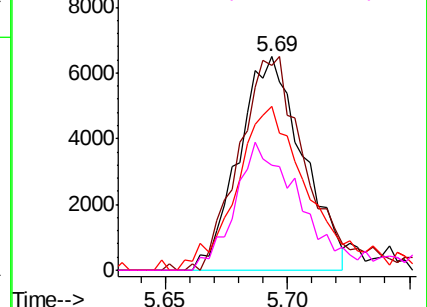
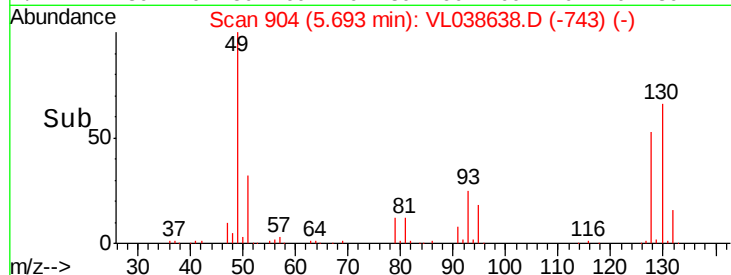


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.055 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.01 min

Lab File: VL038638.D

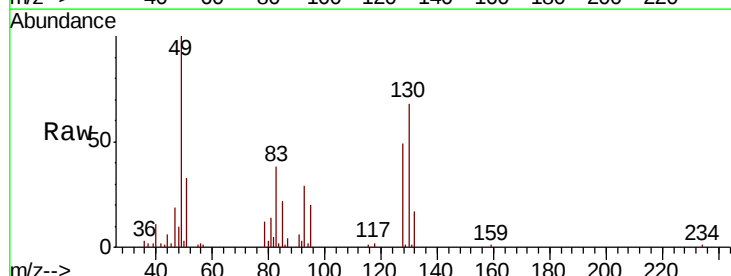
Acq: 17 Mar 2022 23:04

Tgt Ion: 83 Resp: 7980

Ion Ratio Lower Upper

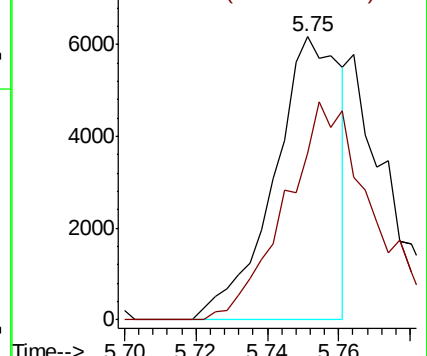
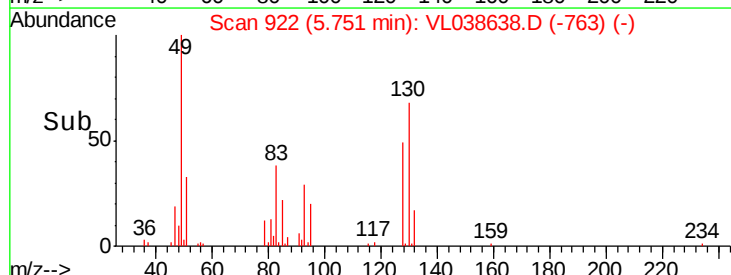
83 100

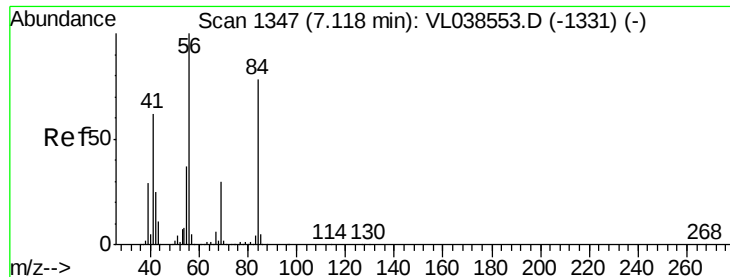
85 58.7 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

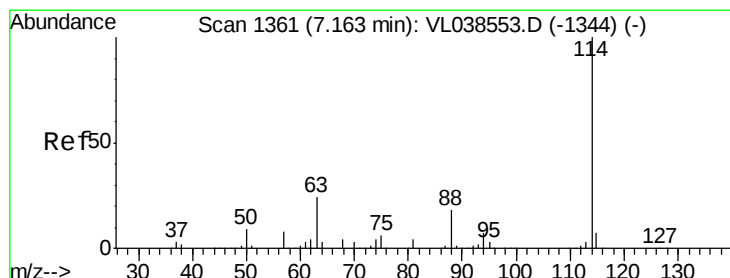
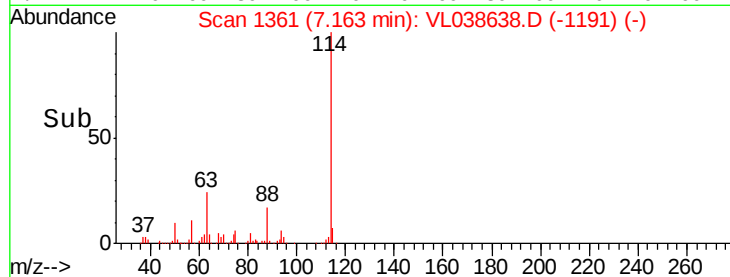
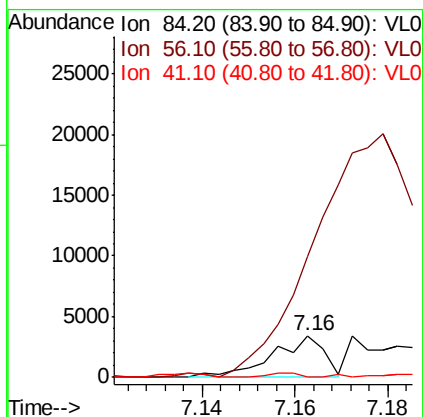
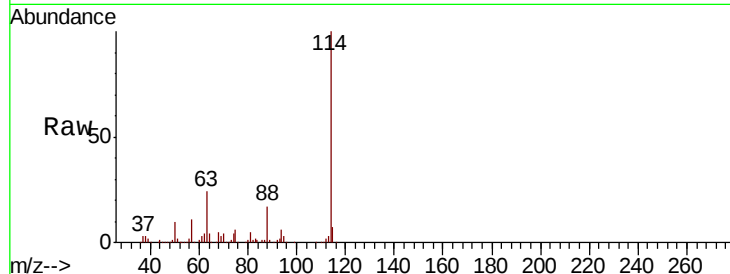
Ion 85.00 (84.70 to 85.70): VL0





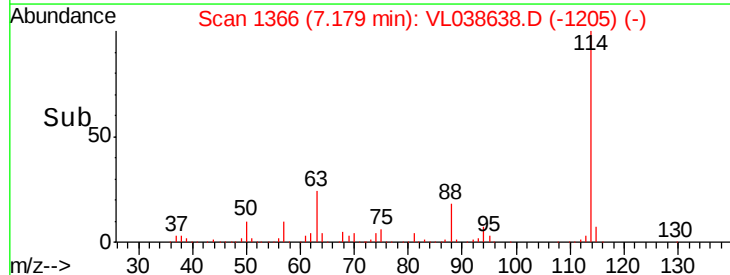
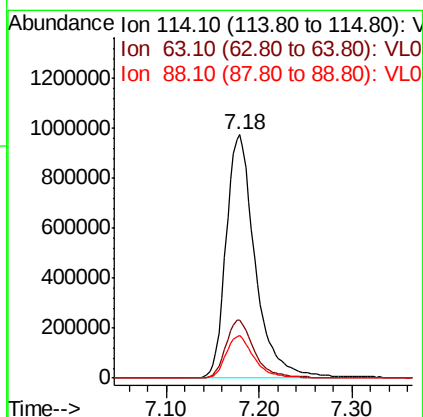
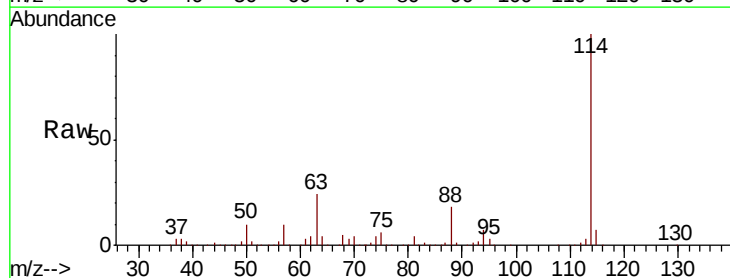
#30
Cvclohexane
Concen: 0.032 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 23:04

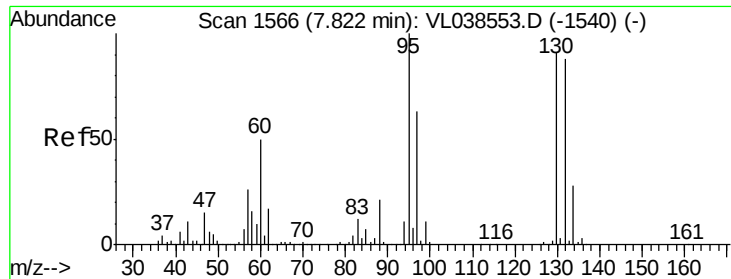
Tot Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 13.9 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL038638.D
Acq: 17 Mar 2022 23:04

Tgt Ion: 114 Resp: 2126438
Ion Ratio Lower Upper
114 100
63 23.7 19.6 29.4
88 17.4 13.9 20.9





#38

Trichloroethene

Concen: 0.051 ppbv

RT: 7.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04 C0PA4DL

Tot Ion:130 Resp: 3903

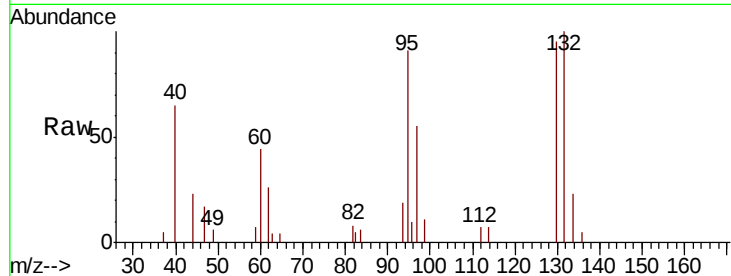
Ion Ratio Lower Upper

130 100

95 89.1 87.8 131.8

132 100.4 77.5 116.3

97 58.2 55.4 83.2

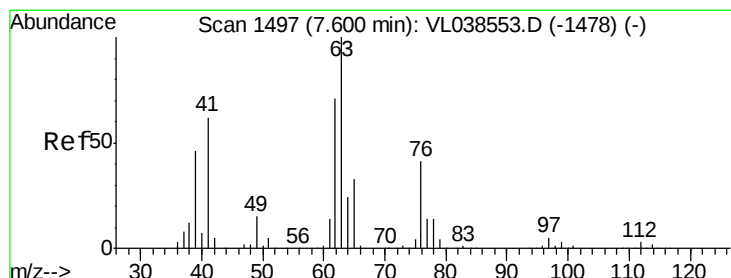
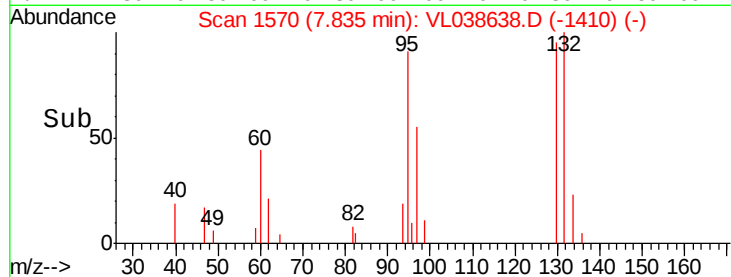
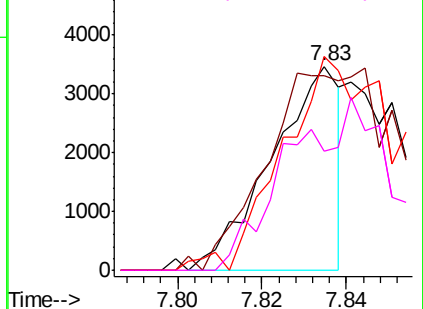


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.603 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.42 min

Lab File: VL038638.D

Acq: 17 Mar 2022 23:04

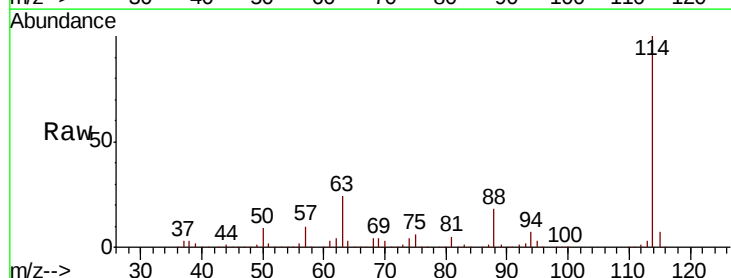
Tgt Ion: 63 Resp: 487326

Ion Ratio Lower Upper

63 100

41 0.1 49.8 74.6#

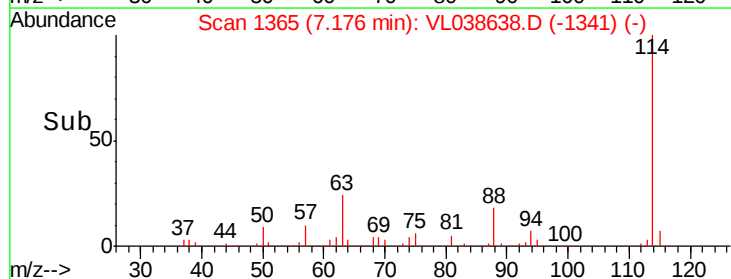
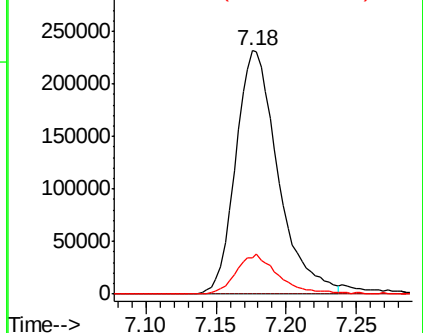
62 14.7 56.7 85.1#

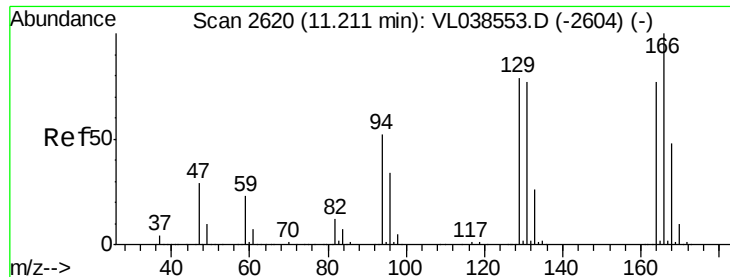


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 4.584 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04

Tot Ion:164 Resp: 322404

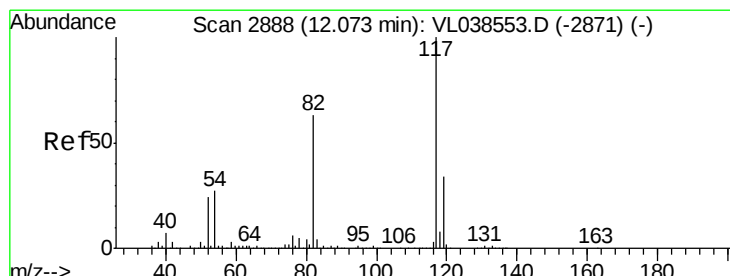
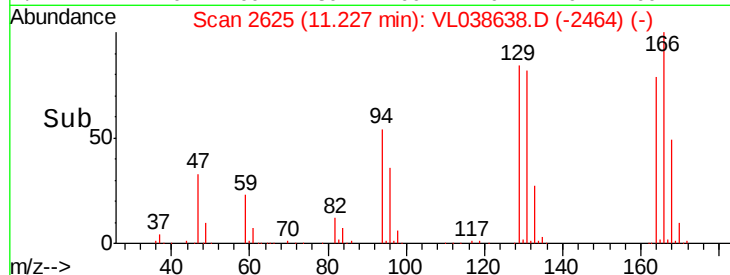
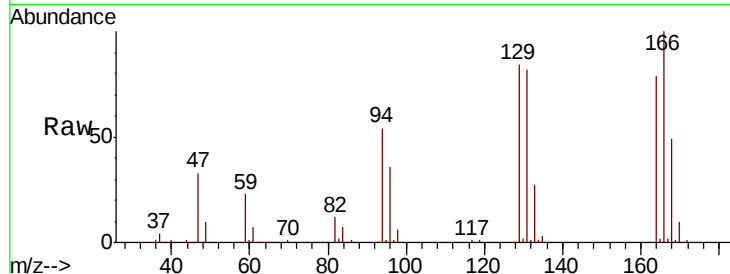
Ion Ratio Lower Upper

164 100

166 126.6 103.4 155.2

129 106.2 81.3 121.9

131 103.3 79.8 119.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL038638.D

Acq: 17 Mar 2022 23:04

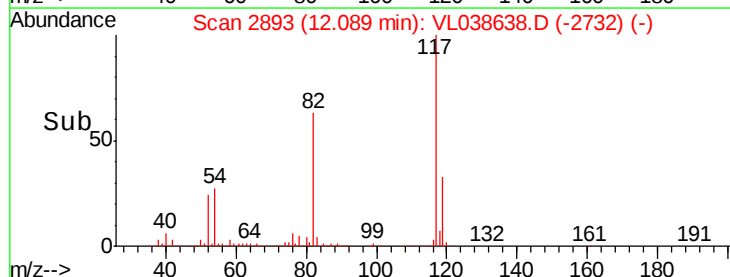
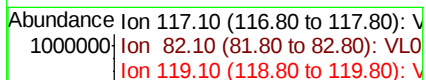
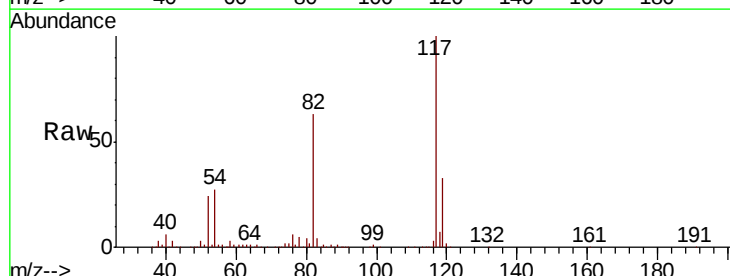
Tgt Ion:117 Resp: 1802869

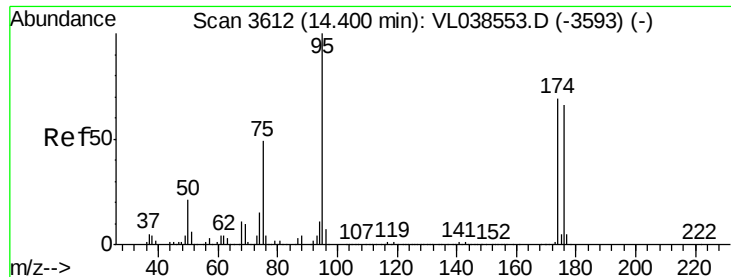
Ion Ratio Lower Upper

117 100

82 65.6 52.5 78.7

119 34.5 46.4 69.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 8.965 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 23:04

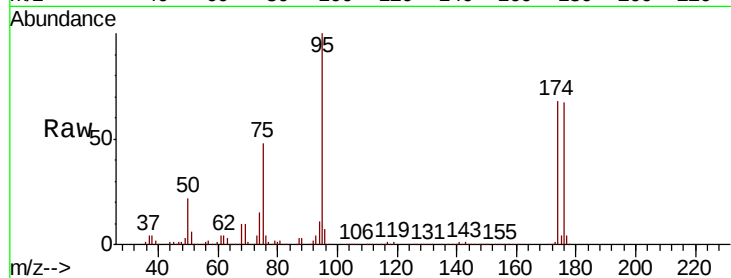
Tot Ion: 95 Resp: 1228817

Ion Ratio Lower Upper

95 100

174 74.2 56.2 84.4

175 5.2 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

