

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038962.D
 Acq On : 5 May 2022 5:53
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 05 07:23:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 04:53:24 2022
 QLast Update : Thu May 05 04:53:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1240505	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3004042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2627798	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2145114	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

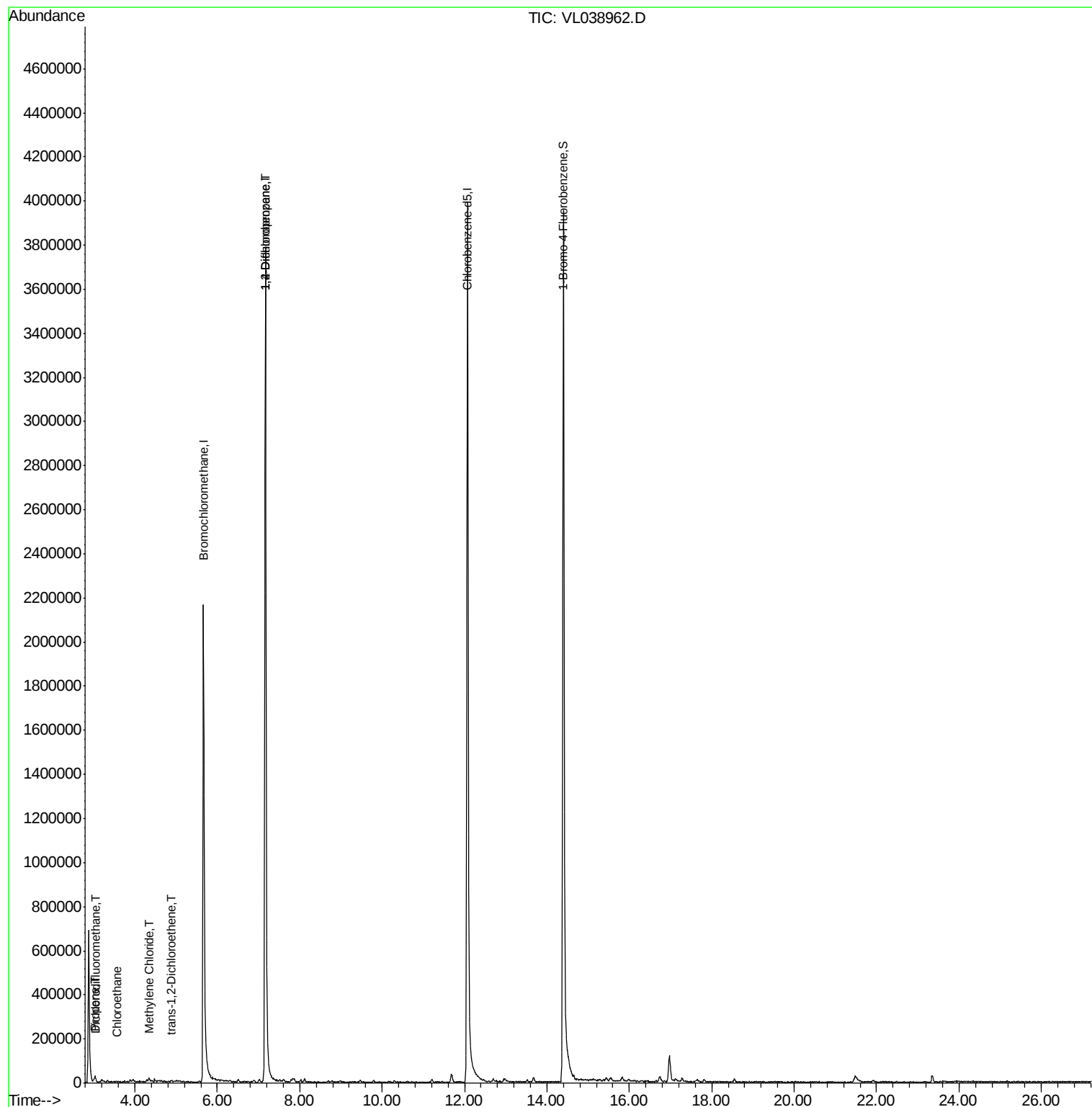
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	8633	0.043 ppbv	94
7) Chloroethane	3.56	64	936	0.033 ppbv #	88
9) Propene	3.02	41	3781	0.053 ppbv #	13
20) Methylene Chloride	4.34	84	3168	0.057 ppbv #	75
22) trans-1,2-Dichloroethene	4.89	96	2228	0.041 ppbv #	20
39) 1,2-Dichloropropane	7.17	63	848774	7.645 ppbv #	26

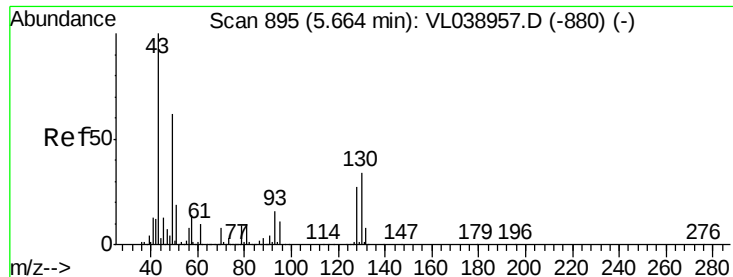
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 5:55

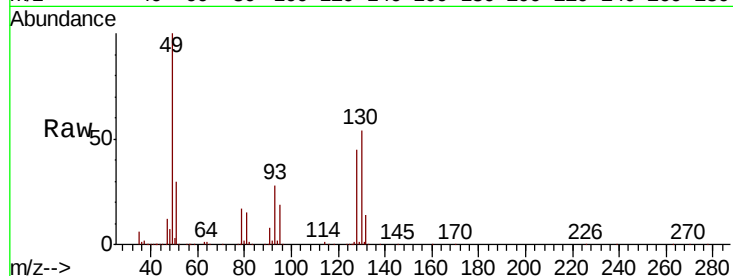
Tot Ion: 49 Resp: 1240505

Ion Ratio Lower Upper

49 100

128 48.9 23.3 69.8

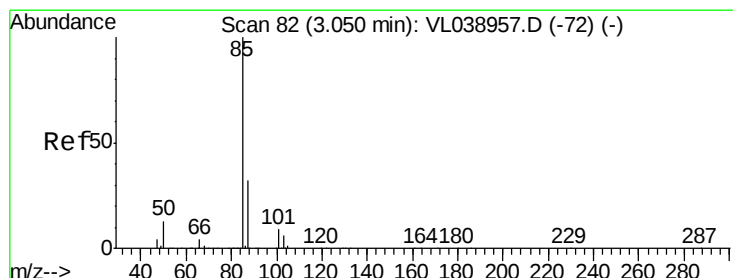
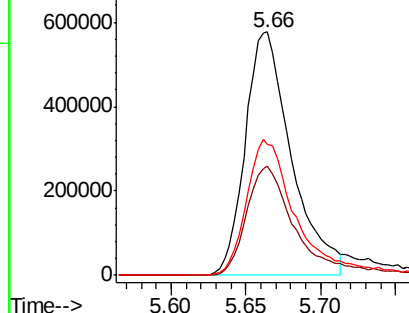
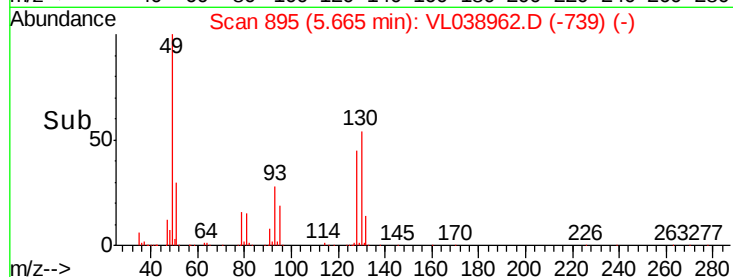
130 62.2 29.8 89.3



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



#2

Dichlorodifluoromethane

Concen: 0.043 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038962.D

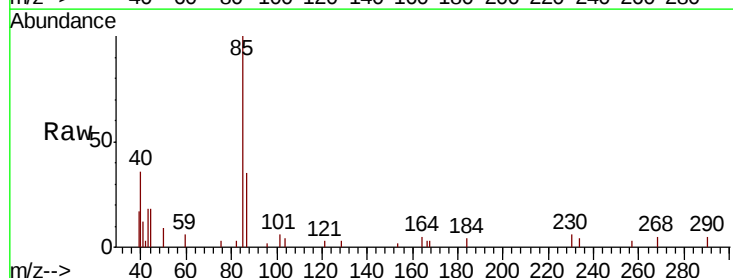
Acq: 5 May 2022 5:53

Tgt Ion: 85 Resp: 8633

Ion Ratio Lower Upper

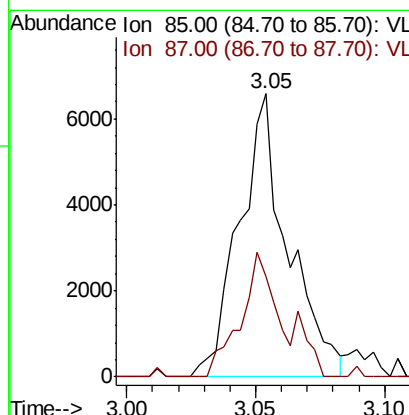
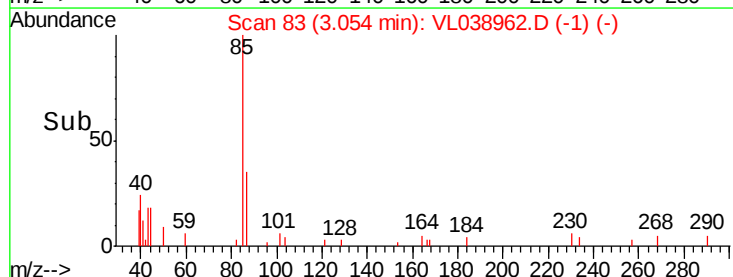
85 100

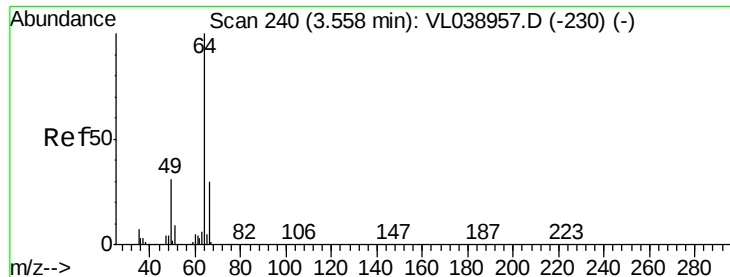
87 35.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#7

Chloroethane

Concen: 0.033 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

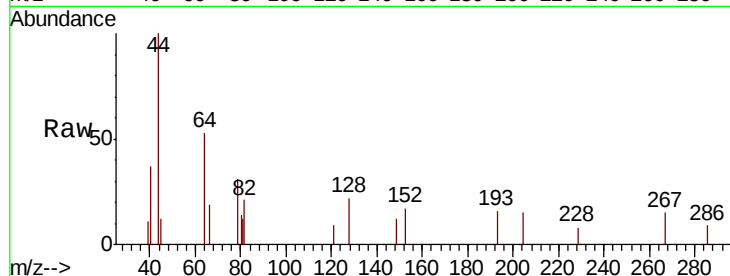
Acq: 5 May 2022 3:55

Tot Ion: 64 Resp: 936

Ion Ratio Lower Upper

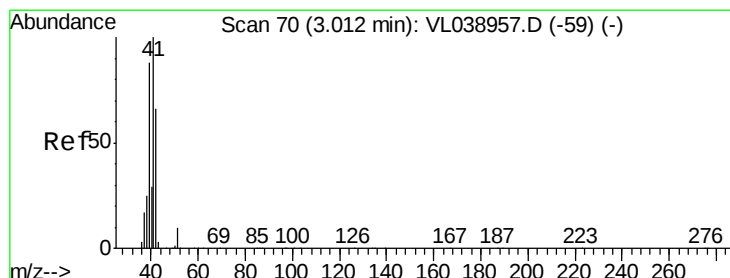
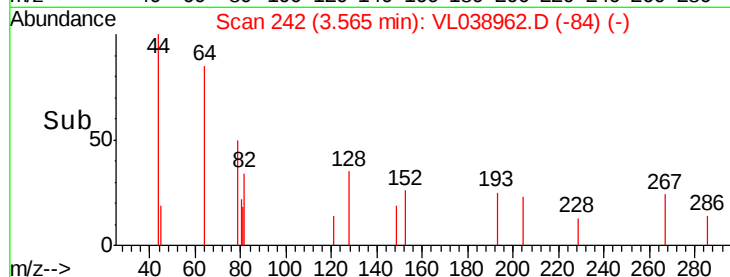
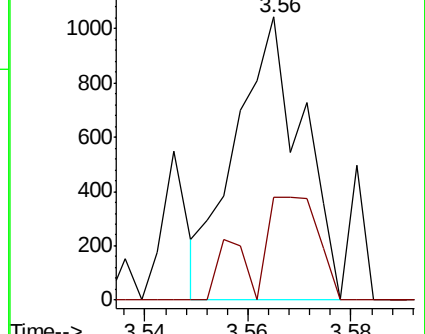
64 100

66 36.3 23.8 35.8#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 0.053 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038962.D

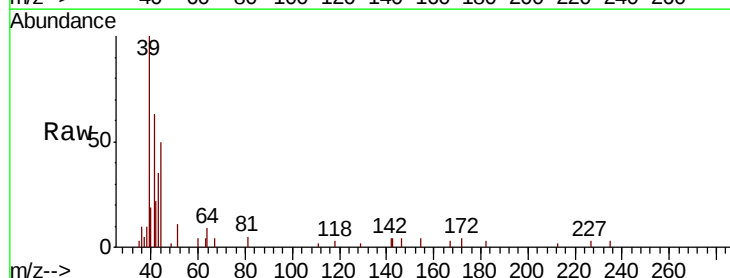
Acq: 5 May 2022 5:53

Tgt Ion: 41 Resp: 3781

Ion Ratio Lower Upper

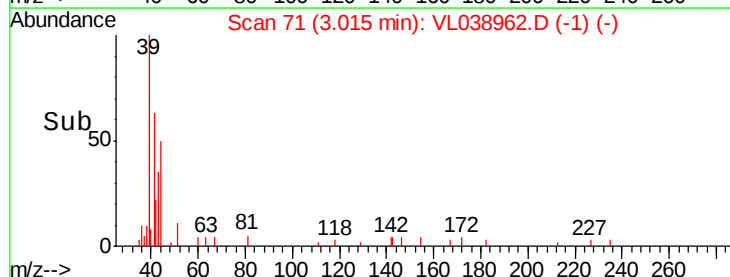
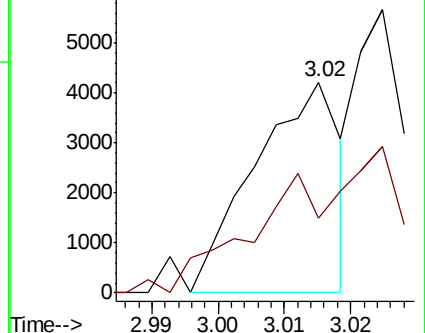
41 100

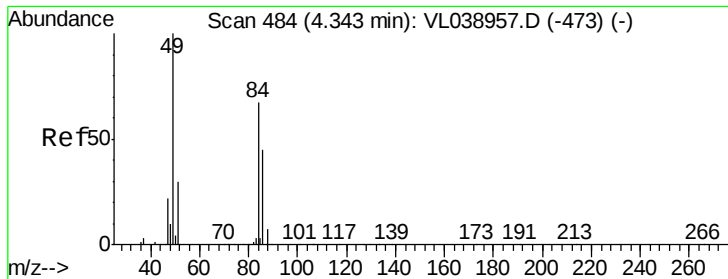
42 0.0 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

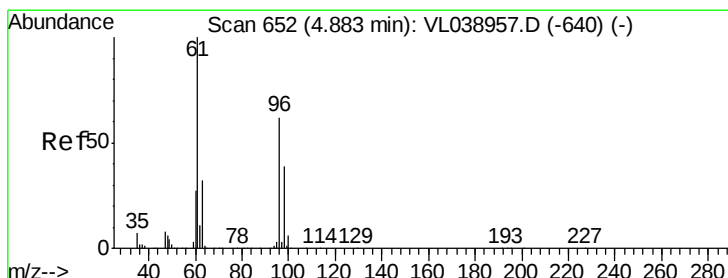
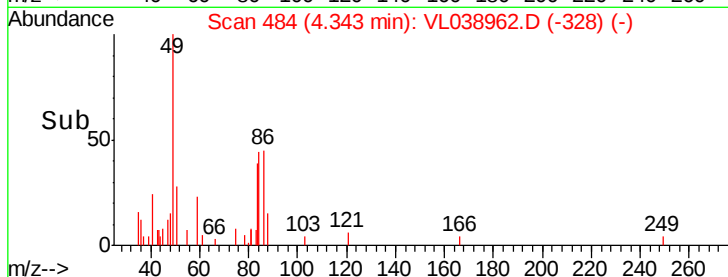
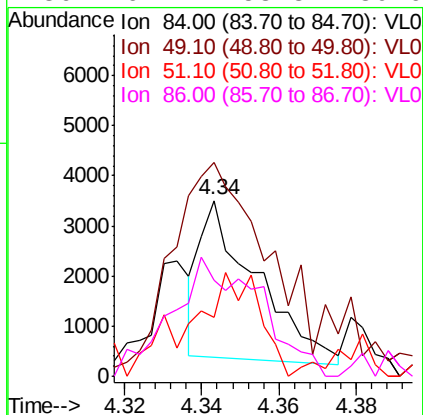
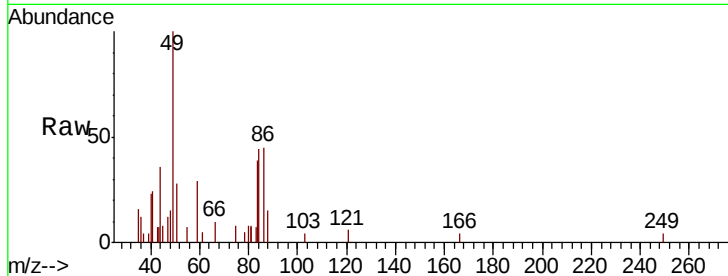
Ion 42.10 (41.80 to 42.80): VL0





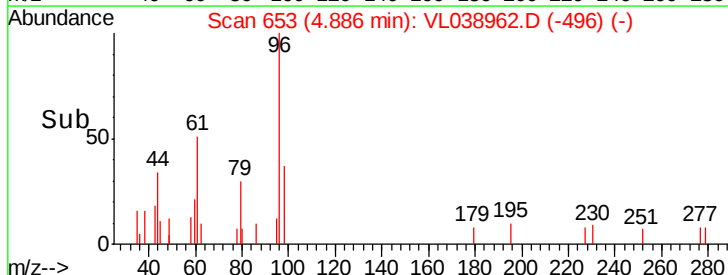
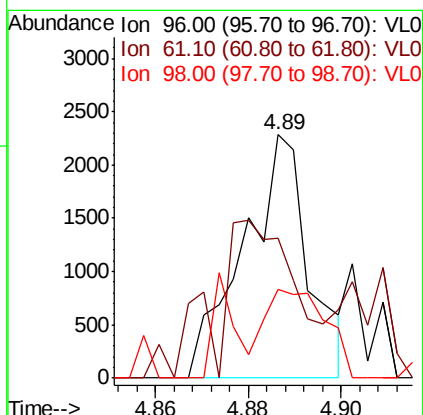
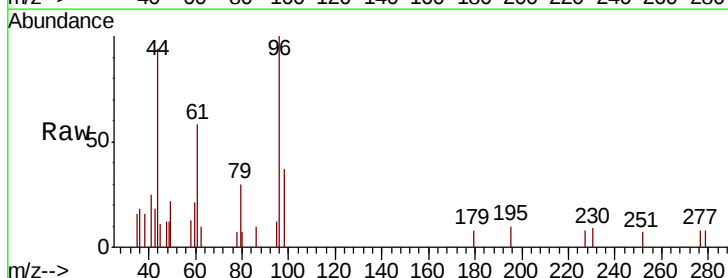
#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.34 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 5 May 2022 5:55

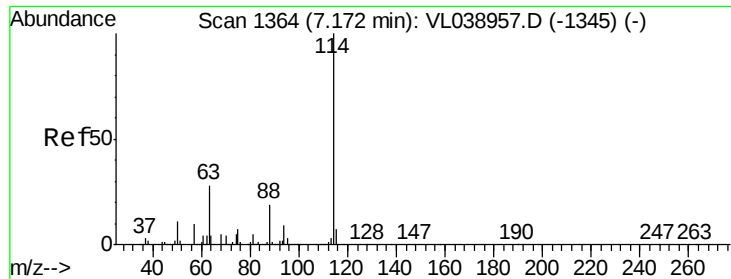
Tot Ion:	84	Resp:	3168
Ion	Ratio	Lower	Upper
84	100		
49	110.8	119.9	179.9#
51	21.3	35.7	53.5#
86	62.2	53.8	80.6



#22
trans-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL038962.D
Acq: 5 May 2022 5:53

Tgt Ion:	96	Resp:	2228
Ion	Ratio	Lower	Upper
96	100		
61	29.6	128.2	192.2#
98	36.7	50.1	75.1#

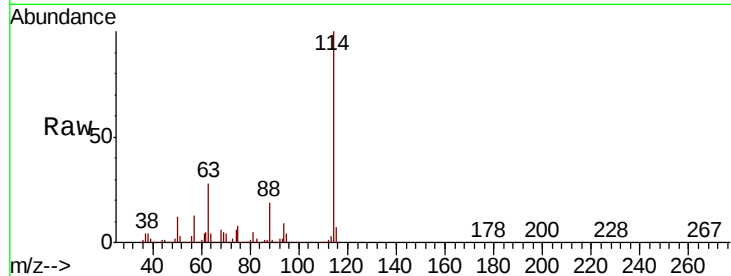




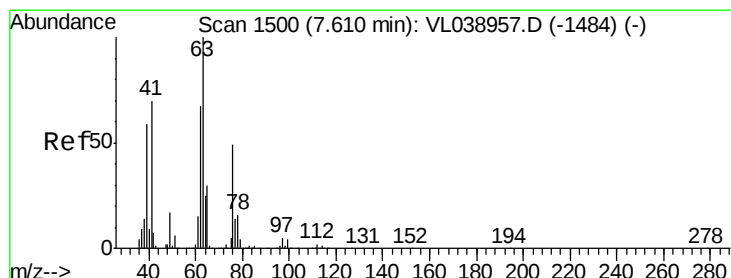
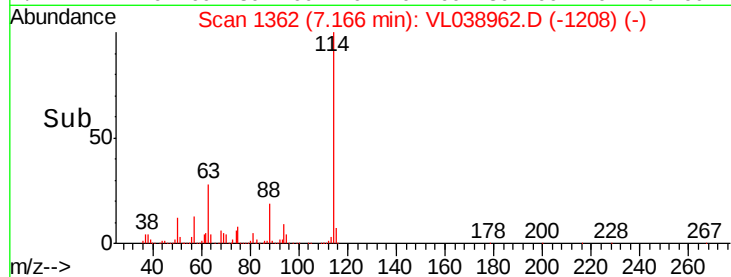
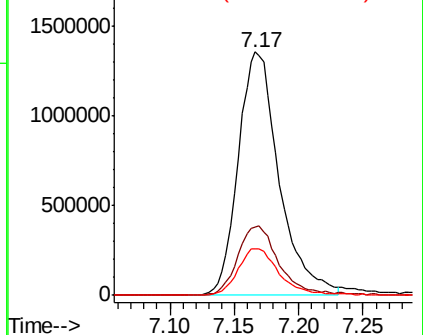
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 5:53

Tot Ion: 114 Resp: 3004042

Ion	Ratio	Lower	Upper
114	100		
63	29.3	22.6	33.8
88	19.7	15.4	23.0



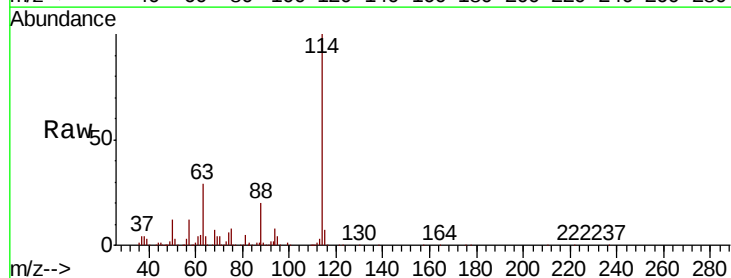
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



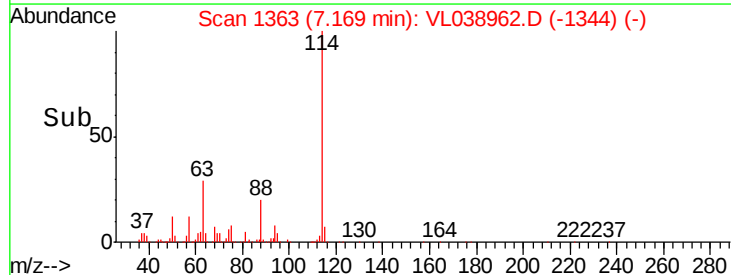
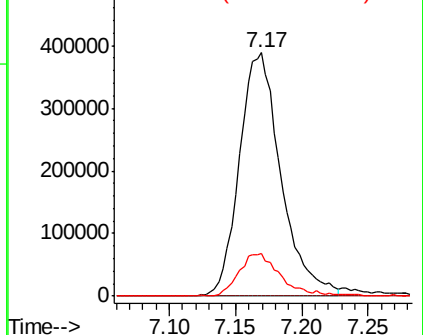
#39
 1,2-Dichloropropane
 Concen: 7.645 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL038962.D
 Acq: 5 May 2022 5:53

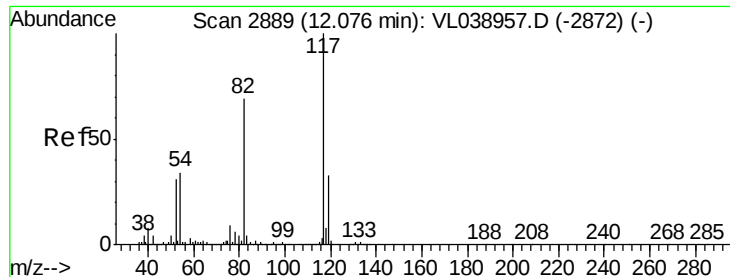
Tgt Ion: 63 Resp: 848774

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	17.5	53.8	80.6#



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: 12.07 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 5:53

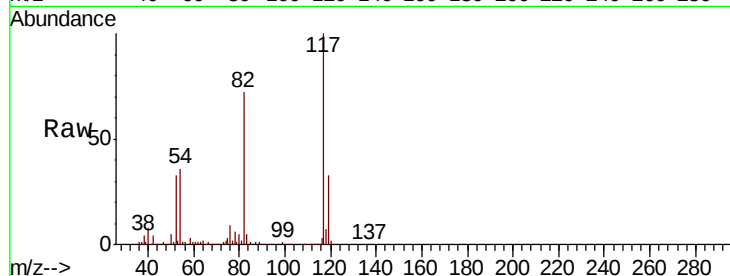
Tot Ion:117 Resp: 2627798

Ion	Ratio	Lower	Upper
117	100		
82	74.0	57.0	85.6
119	34.2	27.2	40.8

117 100

82 74.0 57.0 85.6

119 34.2 27.2 40.8

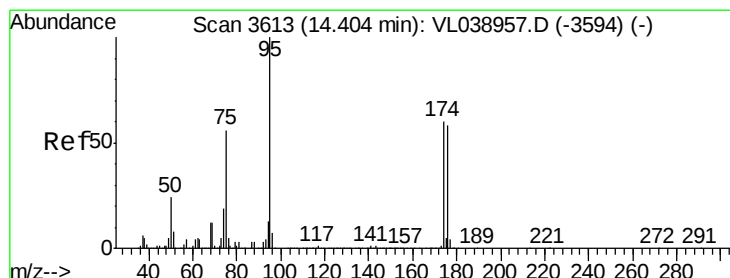
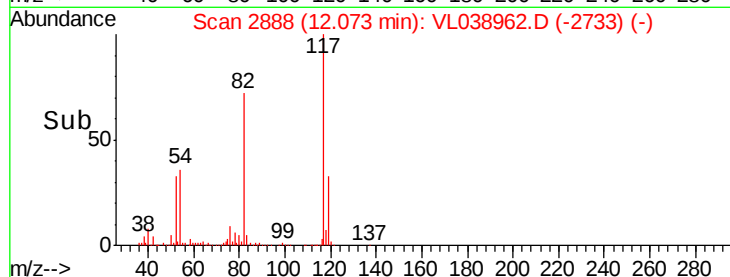
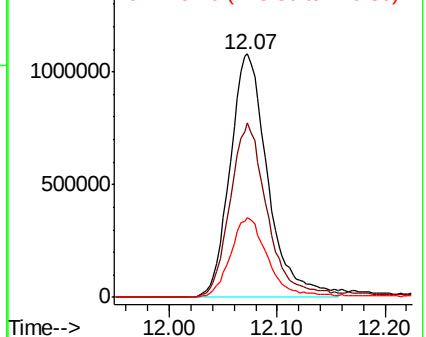


Abundance

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: 10.320 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL038962.D

Acq: 5 May 2022 5:53

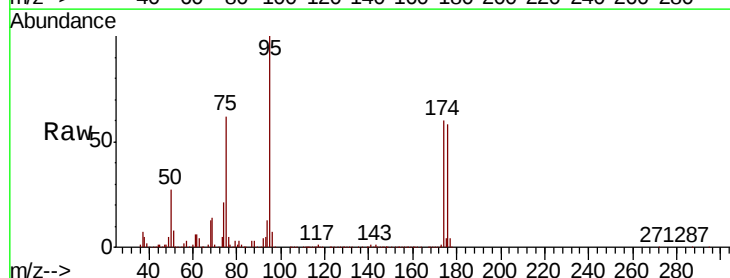
Tgt Ion: 95 Resp: 2145114

Ion	Ratio	Lower	Upper
95	100		
174	63.2	50.8	76.2
175	4.4	3.8	5.6

95 100

174 63.2 50.8 76.2

175 4.4 3.8 5.6



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

