

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038962.D
 Acq On : 5 May 2022 5:53
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

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%

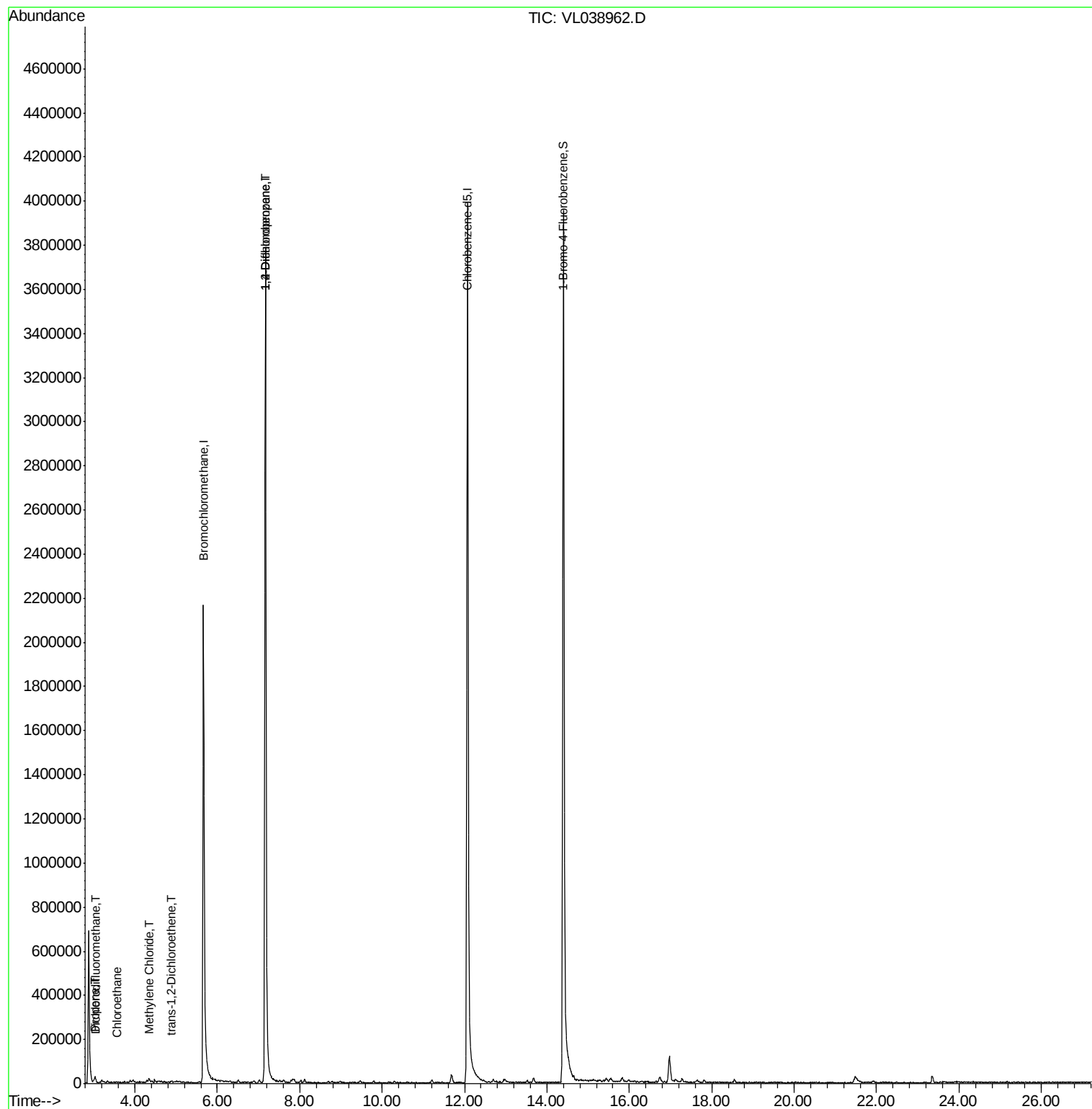
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	8633	0.043 ppbv	94
7) Chloroethane	3.56	64	936	0.033 ppbv #	88
9) Propene	3.02	41	3781	0.053 ppbv #	13
20) Methylene Chloride	4.34	84	3168	0.057 ppbv #	75
22) trans-1,2-Dichloroethene	4.89	96	2228	0.041 ppbv #	20
39) 1,2-Dichloropropane	7.17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

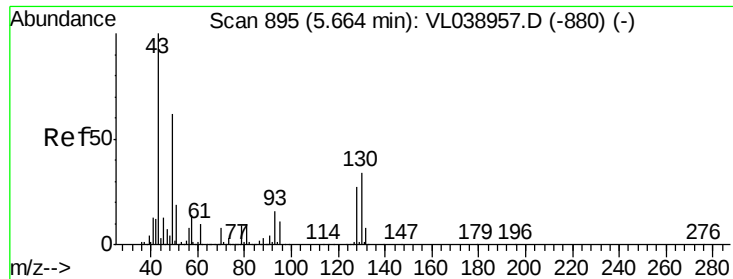
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC00.03

Acq: 5 May 2022 5:55

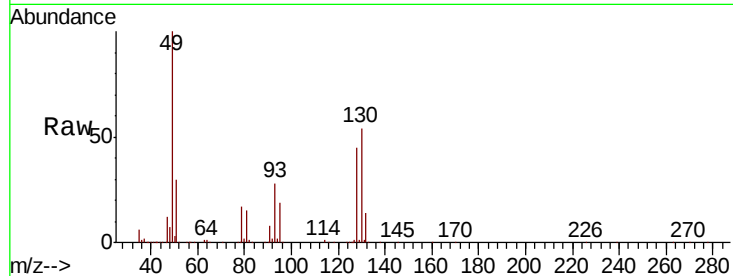
Tot Ion: 49 Resp: 1240505

Ion Ratio Lower Upper

49 100

128 48.9 23.3 69.8

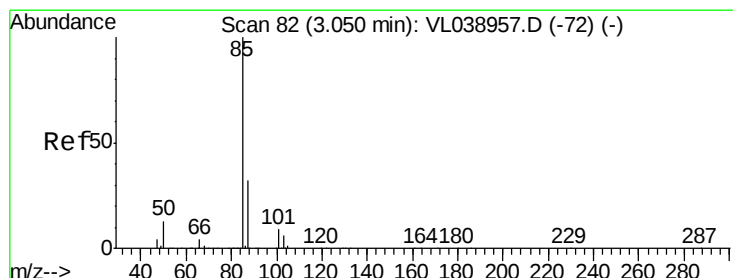
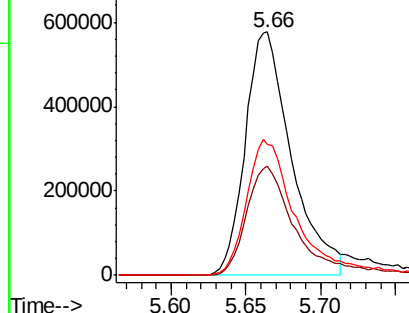
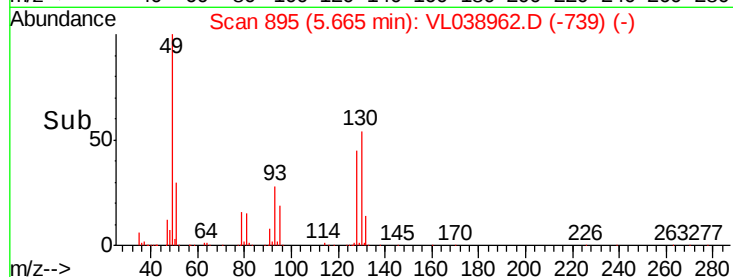
130 62.2 29.8 89.3



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

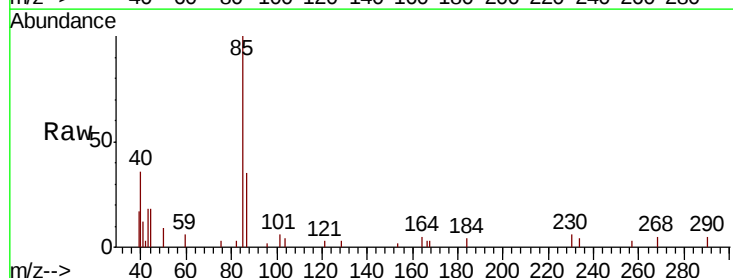
Acq: 5 May 2022 5:53

Tgt Ion: 85 Resp: 8633

Ion Ratio Lower Upper

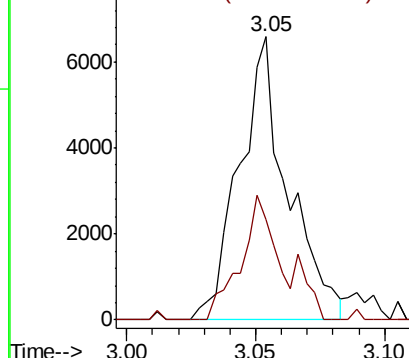
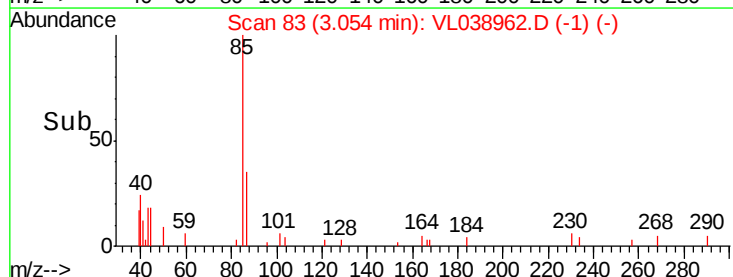
85 100

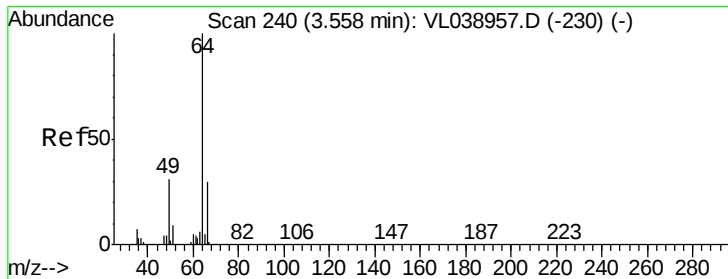
87 35.3 25.7 38.5



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: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC003

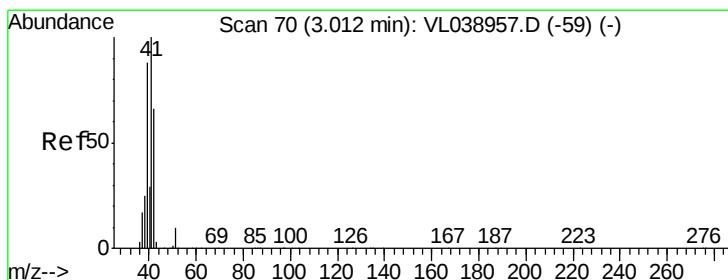
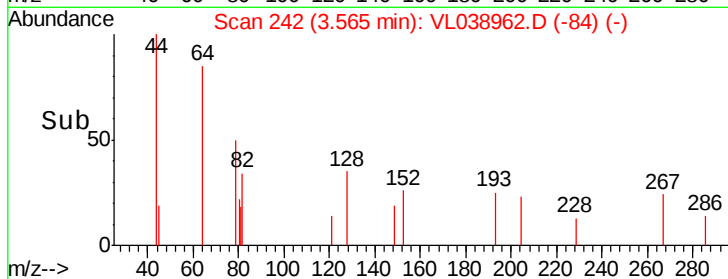
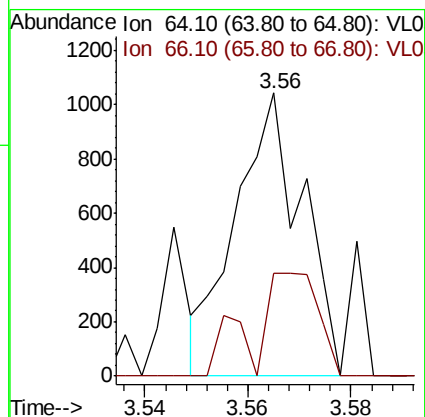
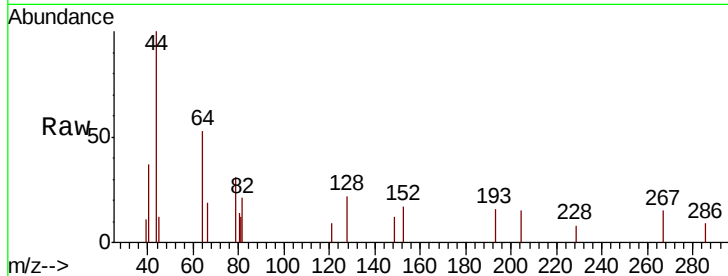
Acq: 5 May 2022 5:55

Tot Ion: 64 Resp: 936

Ion Ratio Lower Upper

64 100

66 36.3 23.8 35.8#



#9

Propene

Concen: 0.053 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038962.D

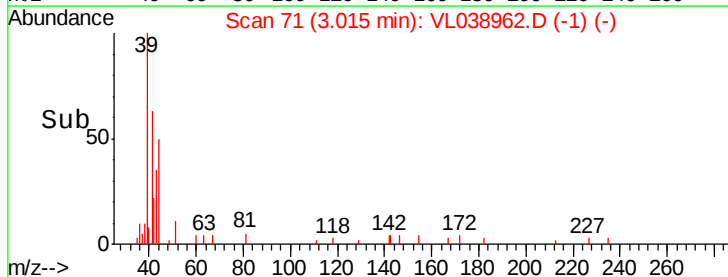
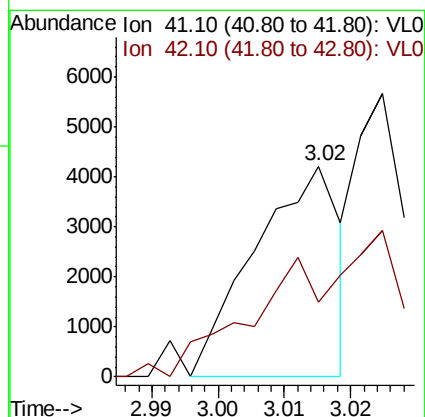
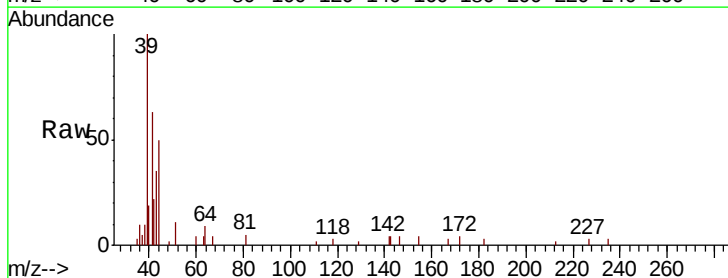
Acq: 5 May 2022 5:53

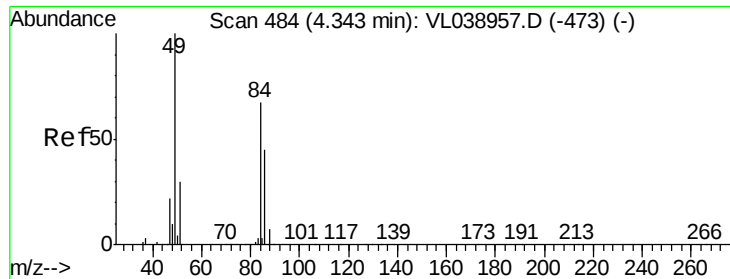
Tgt Ion: 41 Resp: 3781

Ion Ratio Lower Upper

41 100

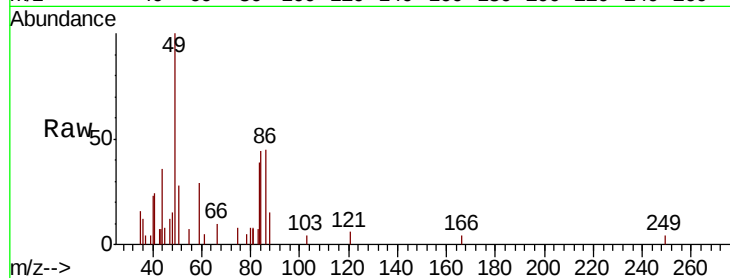
42 0.0 58.3 87.5#



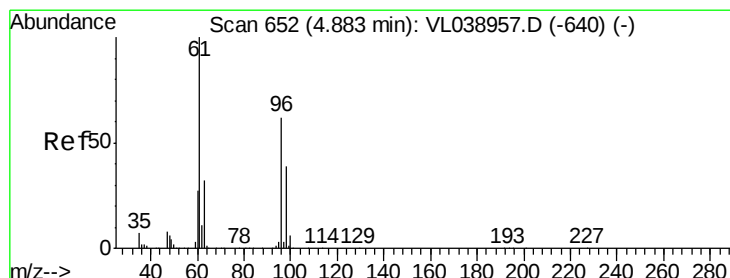
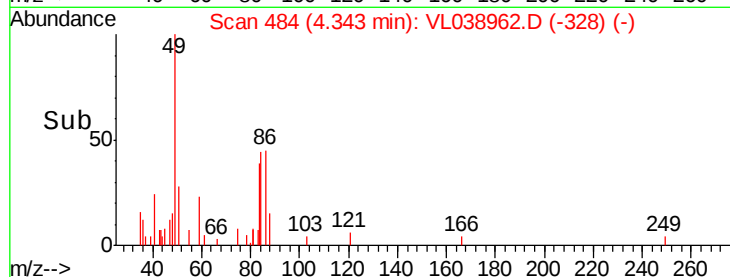
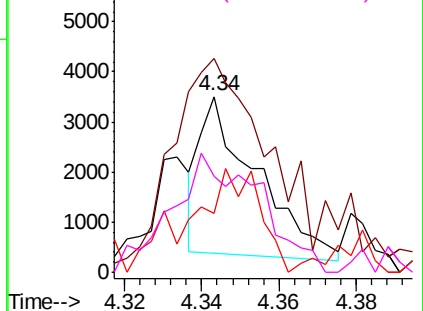


#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.03
Acq: 5 May 2022 5:55

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

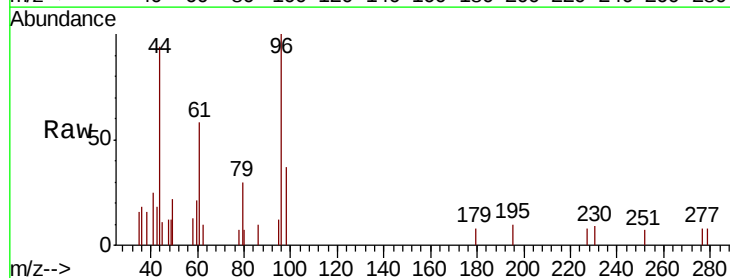


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

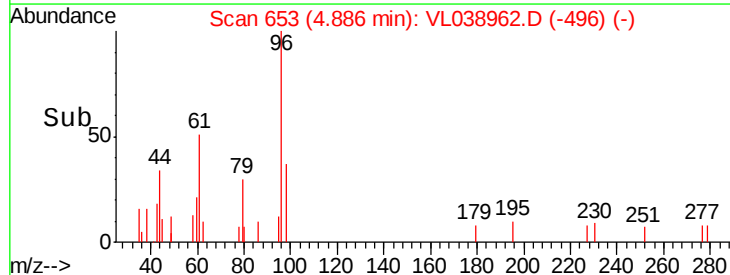
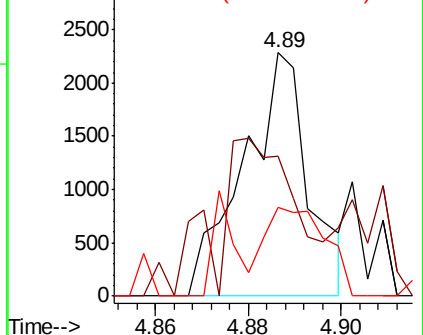


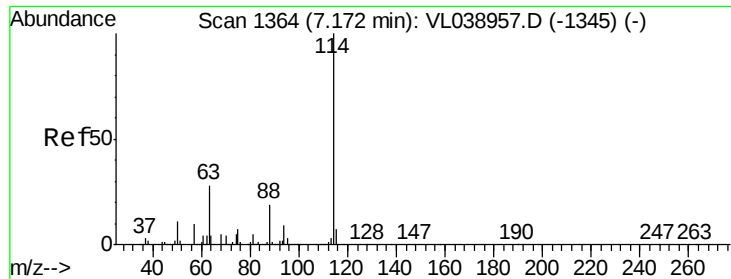
#22
trans-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL038962.D
Acq: 5 May 2022 5:53

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#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC0.03

Acq: 5 May 2022 5:53

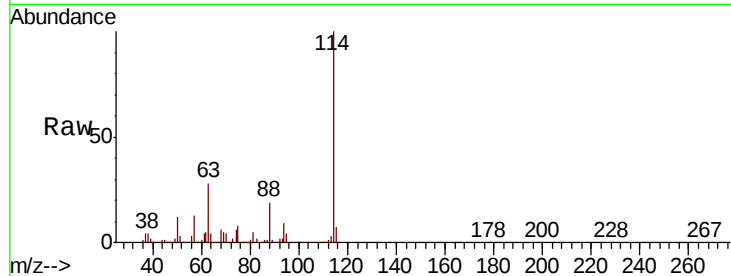
Tot Ion:114 Resp: 3004042

Ion Ratio Lower Upper

114 100

63 29.3 22.6 33.8

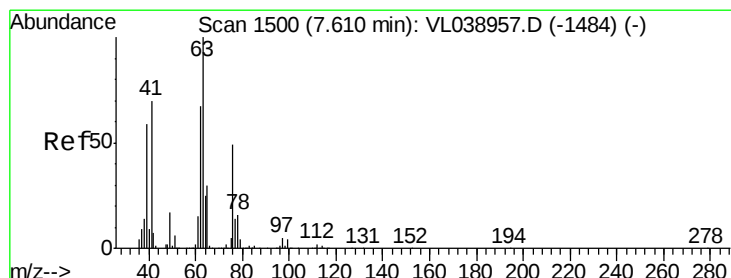
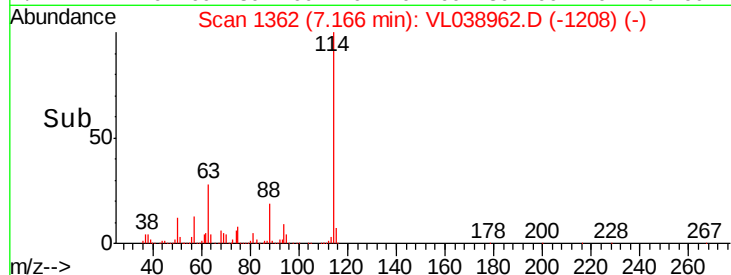
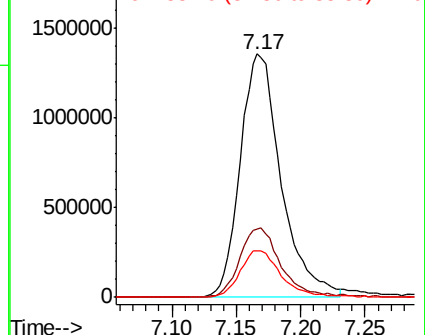
88 19.7 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

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

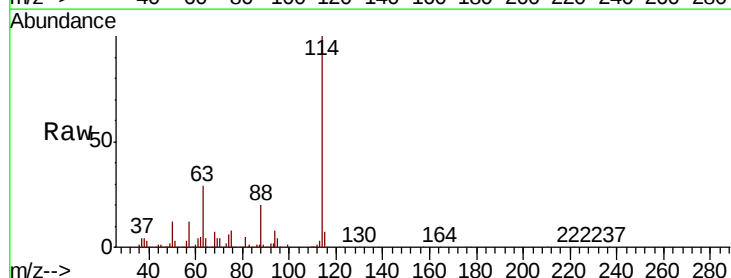
Tgt Ion: 63 Resp: 848774

Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

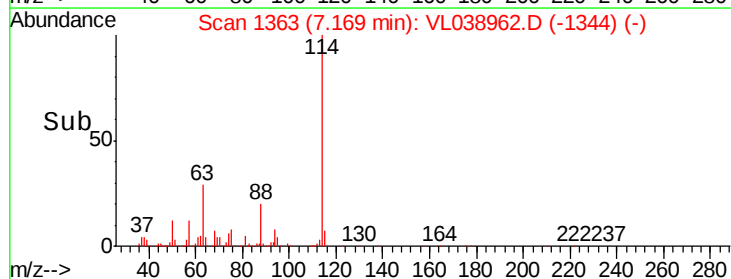
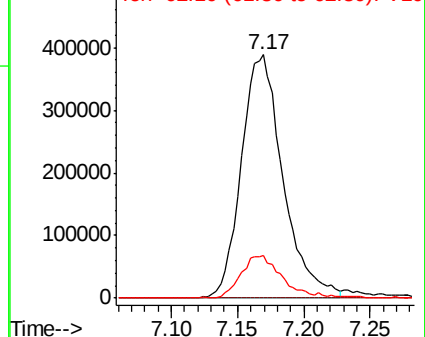
62 17.5 53.8 80.6#

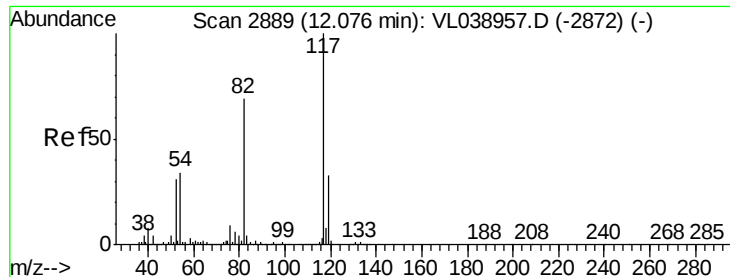


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

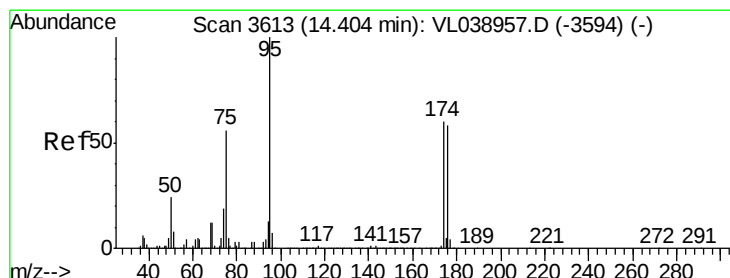
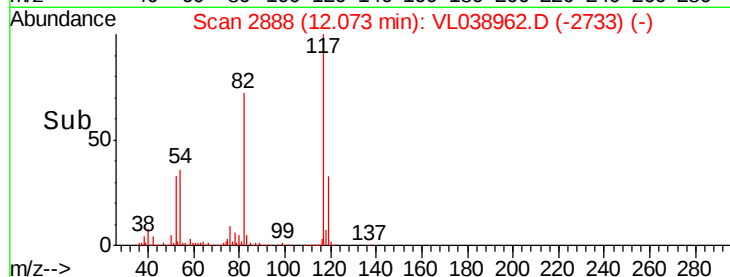
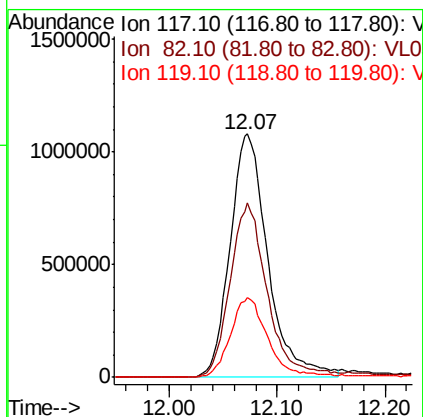
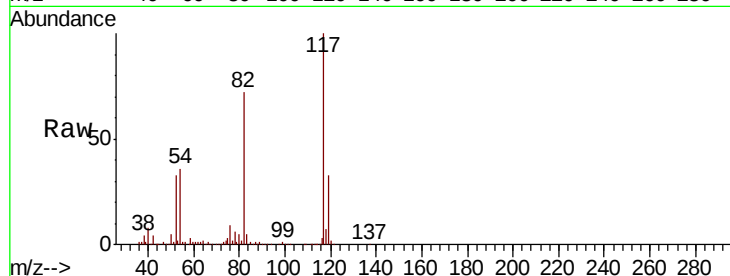




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.03
Acq: 5 May 2022 5:53

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



#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

