

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060822\
 Data File : VL039240.D
 Acq On : 8 Jun 2022 18:23
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jun 09 06:40:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1160865	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2687365	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2224503	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1823427	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

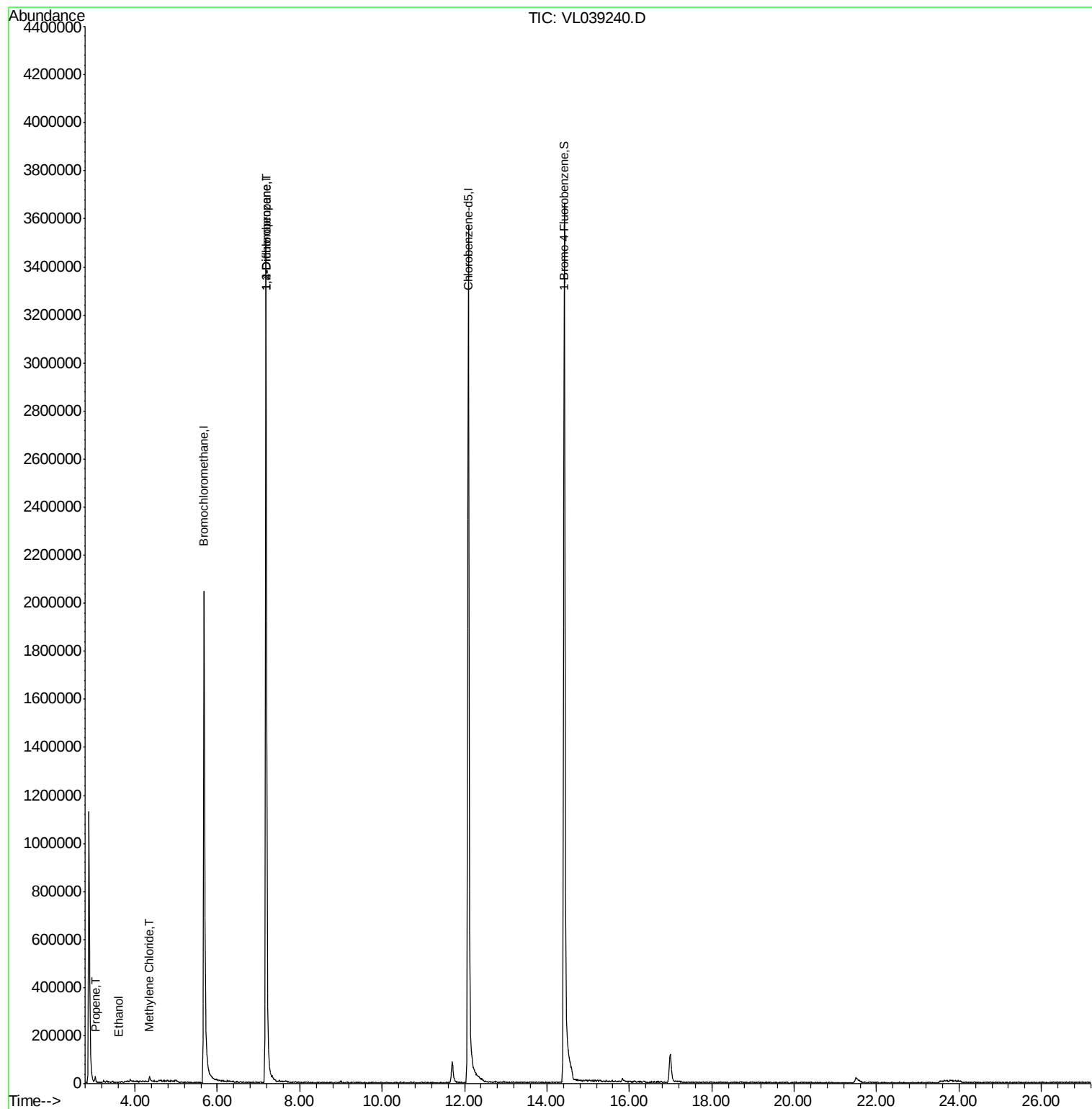
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	3759	0.058	ppbv #	15
13) Ethanol	3.62	45	273	0.078	ppbv #	100
20) Methylene Chloride	4.35	84	4397	0.086	ppbv	92
39) 1,2-Dichloropropane	7.18	63	759300	8.750	ppbv #	23

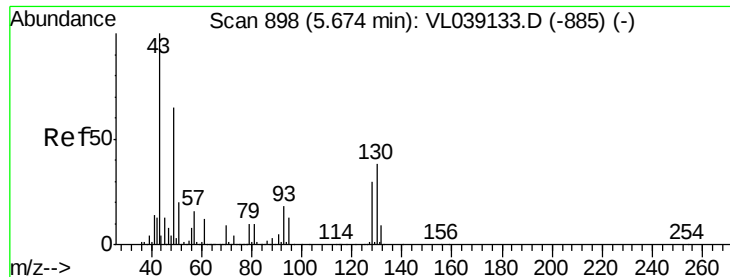
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 8 Jun 2022 18:23

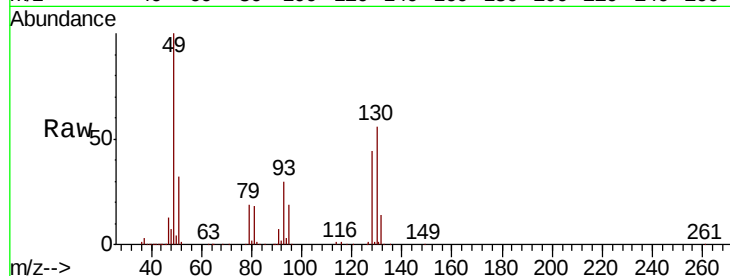
Tot Ion: 49 Resp: 1160865

Ion Ratio Lower Upper

49 100

128 46.9 24.7 74.1

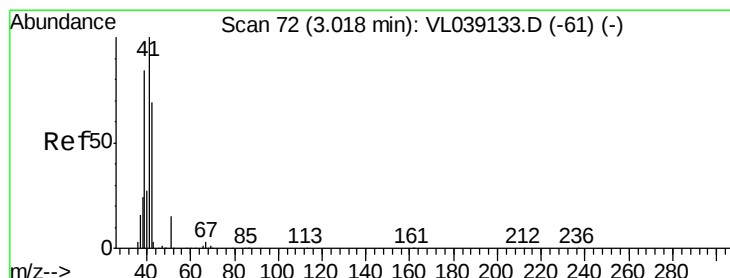
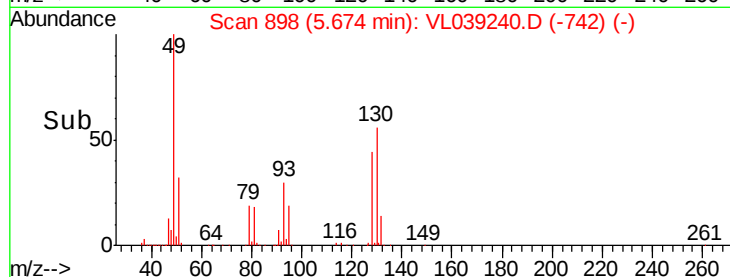
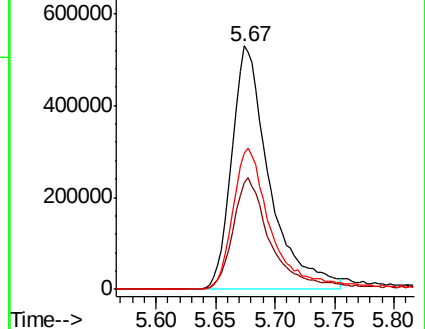
130 61.9 31.4 94.0



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



#9

Propene

Concen: 0.058 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL039240.D

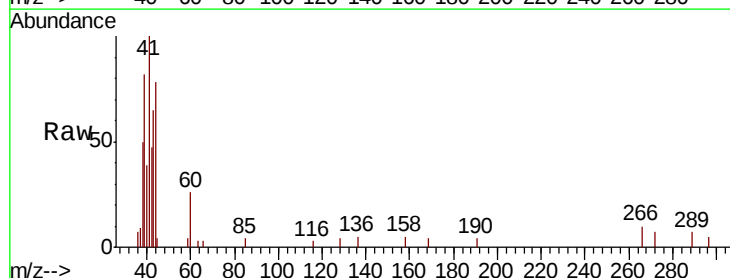
Acq: 8 Jun 2022 18:23

Tgt Ion: 41 Resp: 3759

Ion Ratio Lower Upper

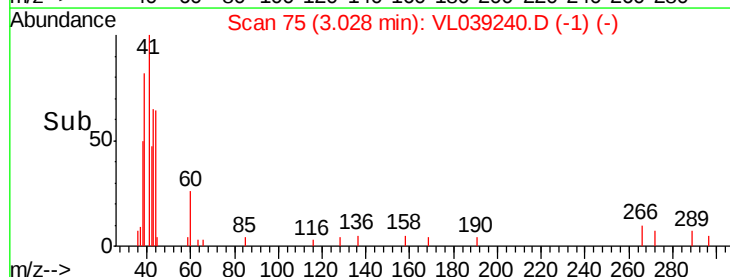
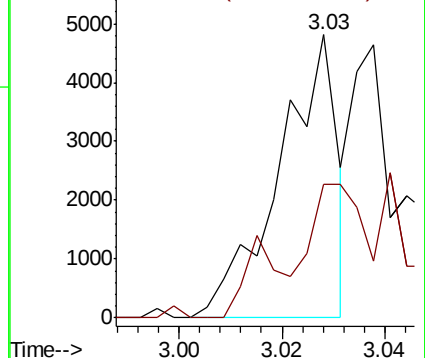
41 100

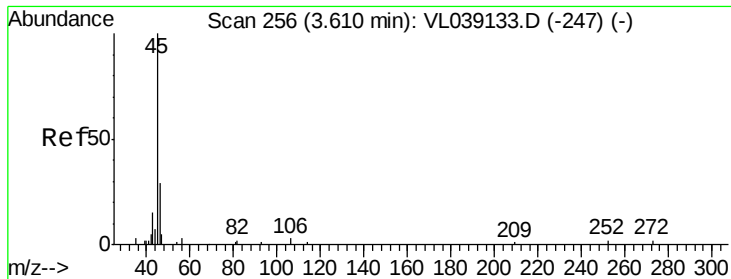
42 0.0 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

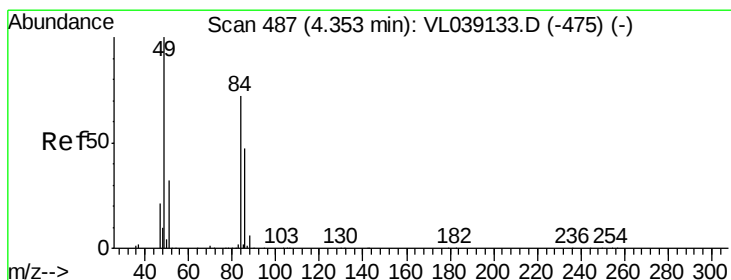
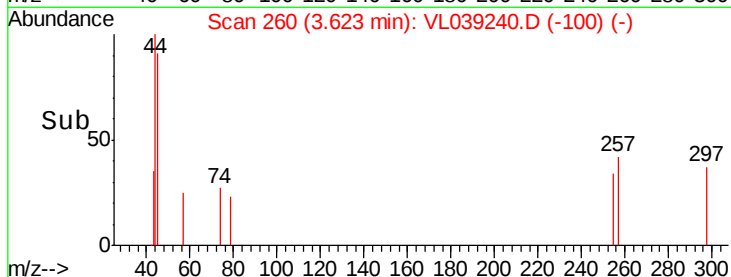
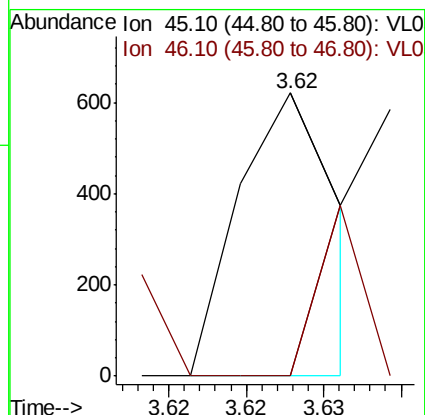
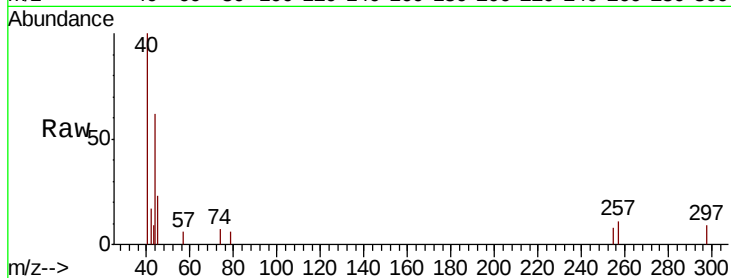
Ion 42.10 (41.80 to 42.80): VL0





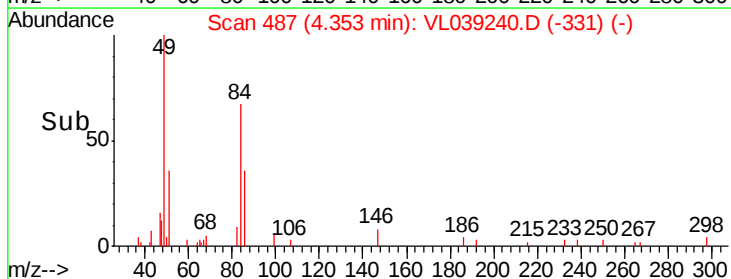
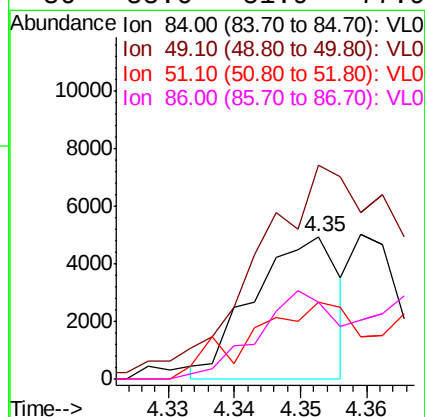
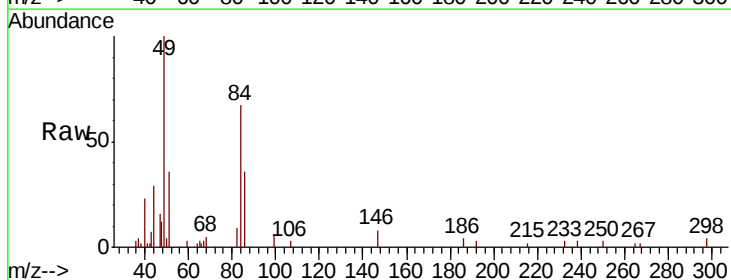
#13
 Ethanol
 Concen: 0.078 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VIBLK
 Acq: 8 Jun 2022 18:23

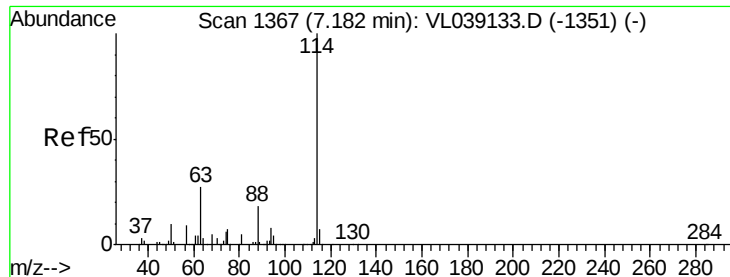
Tot Ion: 45 Resp: 273
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0



#20
 Methylene Chloride
 Concen: 0.086 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: VL039240.D
 Acq: 8 Jun 2022 18:23

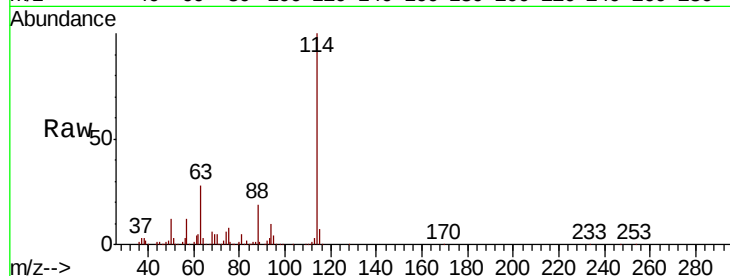
Tgt Ion: 84 Resp: 4397
 Ion Ratio Lower Upper
 84 100
 49 147.4 111.1 166.7
 51 49.1 35.3 52.9
 86 55.6 51.9 77.9



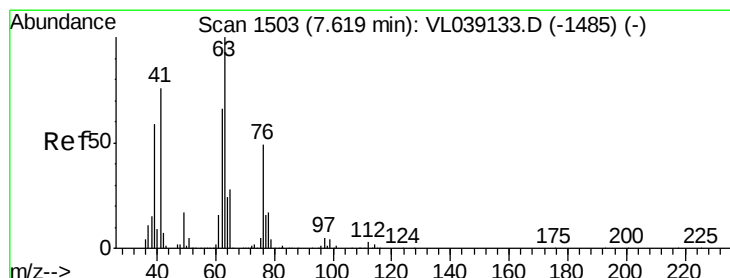
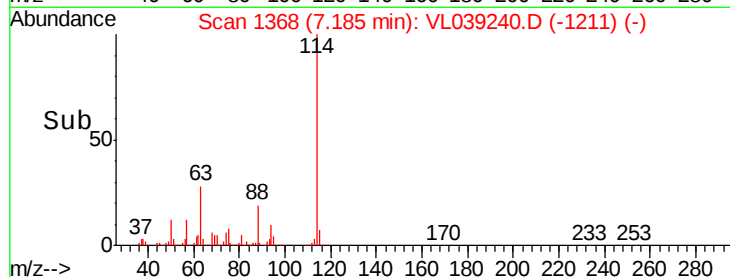
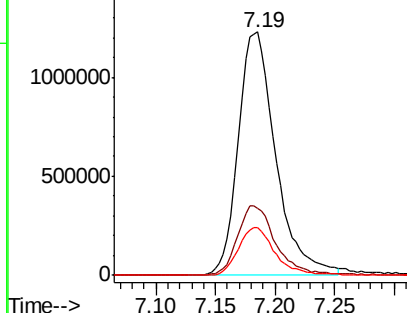


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 18:23

Tot Ion:114 Resp: 2687365
 Ion Ratio Lower Upper
 114 100
 63 29.5 21.7 32.5
 88 19.8 14.8 22.2

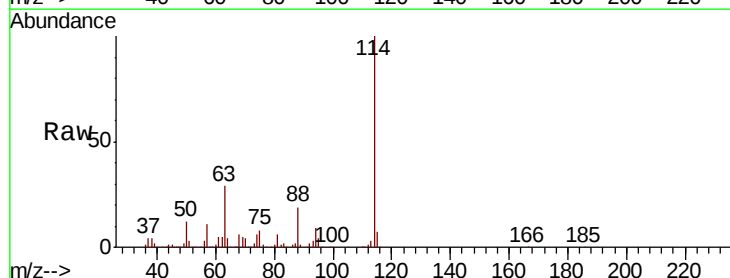


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

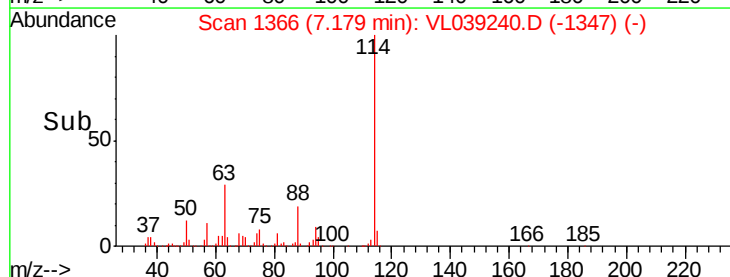
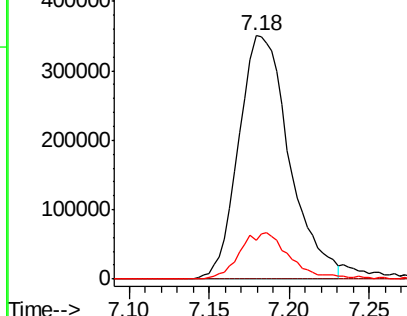


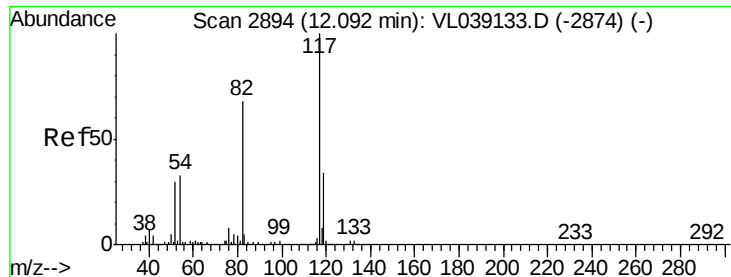
#39
 1,2-Dichloropropane
 Concen: 8.750 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL039240.D
 Acq: 8 Jun 2022 18:23

Tgt Ion: 63 Resp: 759300
 Ion Ratio Lower Upper
 63 100
 41 0.0 60.8 91.2#
 62 16.1 52.9 79.3#



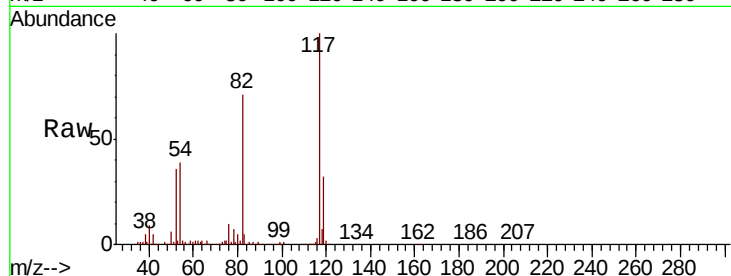
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



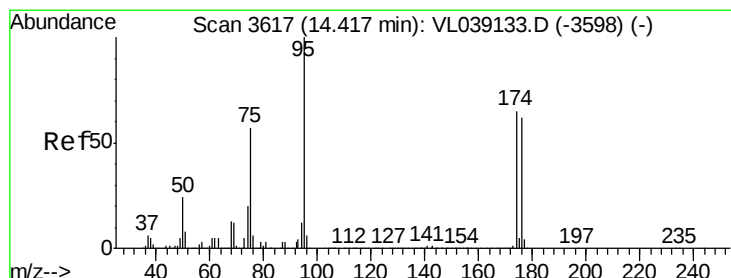
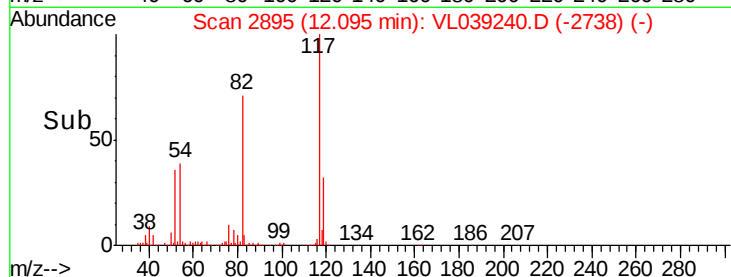
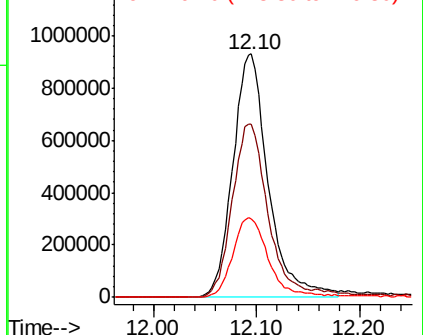


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 18:23

Tot Ion: 117 Resp: 2224503
Ion Ratio Lower Upper
117 100
82 74.1 55.1 82.7
119 34.7 24.7 37.1

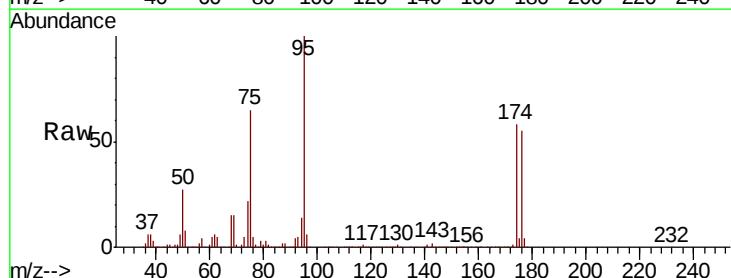


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.915 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL039240.D
Acq: 8 Jun 2022 18:23

Tgt Ion: 95 Resp: 1823427
Ion Ratio Lower Upper
95 100
174 63.7 53.8 80.8
175 4.5 4.1 6.1



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

