

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039402.D
 Acq On : 29 Jun 2022 18:54
 Operator : SY/AP
 Sample : VL0629ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0629ABL01

Quant Time: Jun 30 05:42:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1183638	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3451606	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2980080	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2185698	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

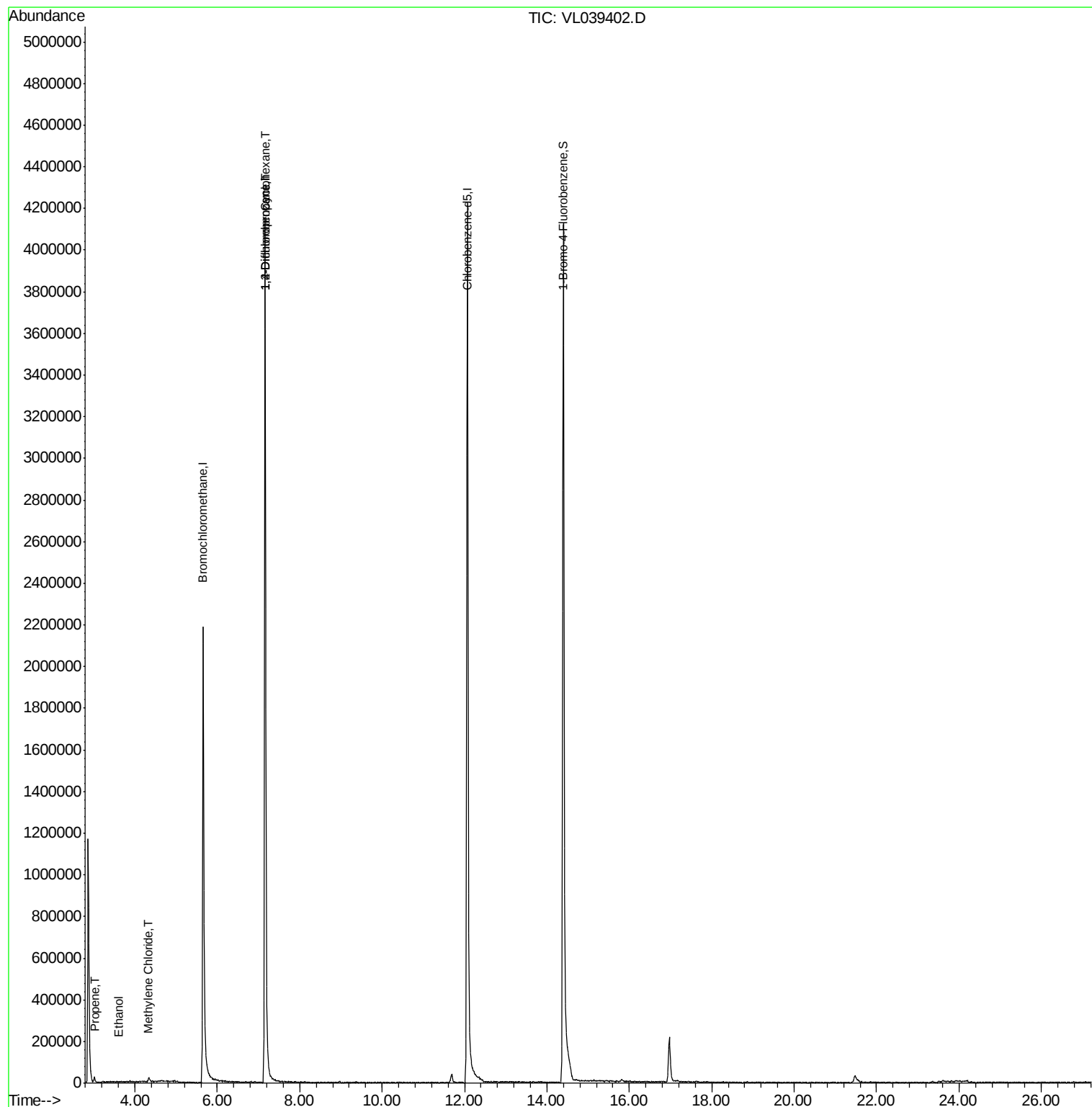
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	6033	0.09	ppbv #	81
13) Ethanol	3.61	45	92	0.02	ppbv #	37
20) Methylene Chloride	4.34	84	3354	0.06	ppbv #	62
30) Cyclohexane	7.15	84	3744	0.04	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	846052	8.48	ppbv #	25

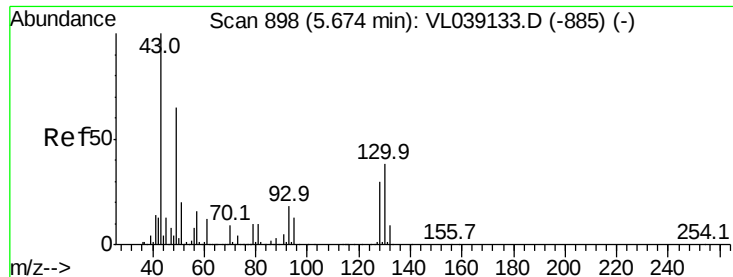
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Jun 2022 18:54

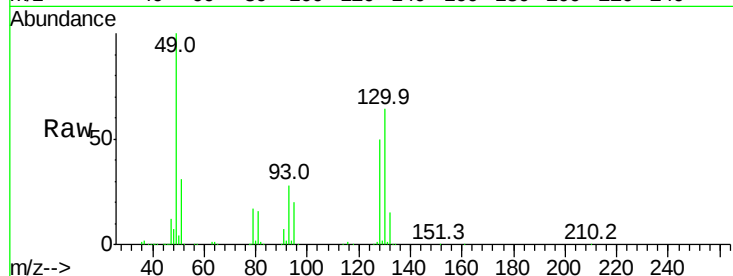
Tgt Ion: 49 Resp: 1183638

Ion Ratio Lower Upper

49 100

128 56.9 26.7 80.0

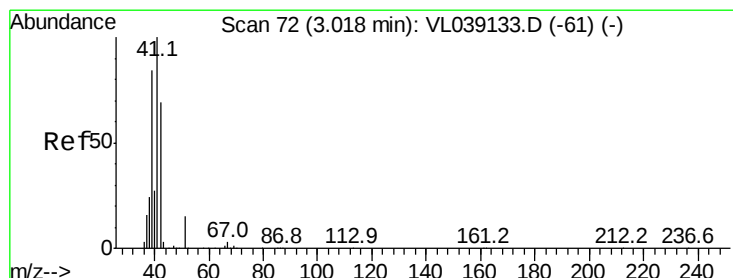
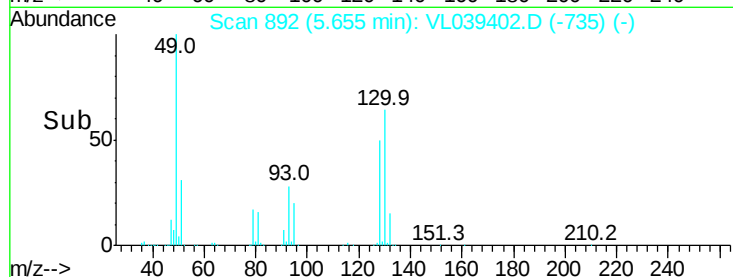
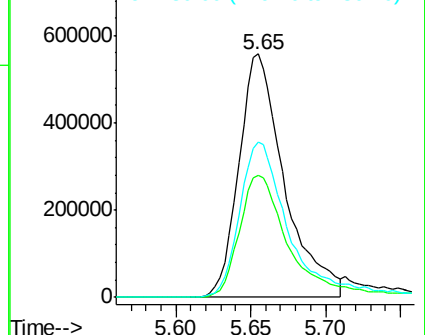
130 72.2 34.3 102.8



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: 0.09 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL039402.D

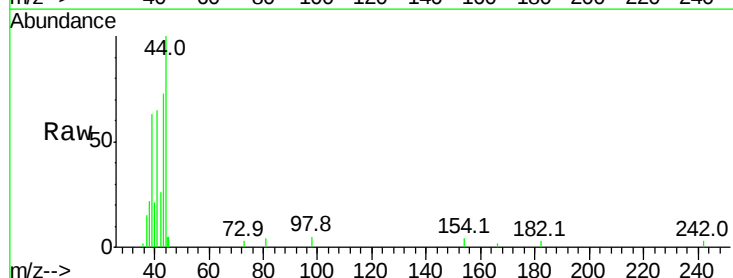
Acq: 29 Jun 2022 18:54

Tgt Ion: 41 Resp: 6033

Ion Ratio Lower Upper

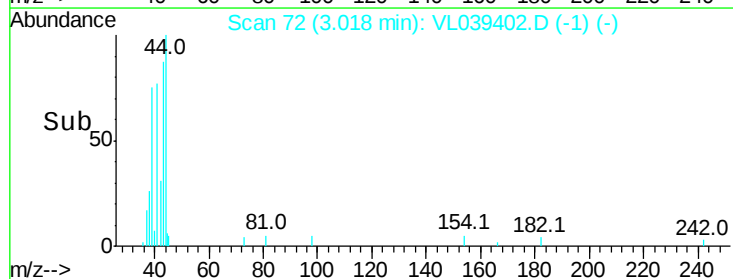
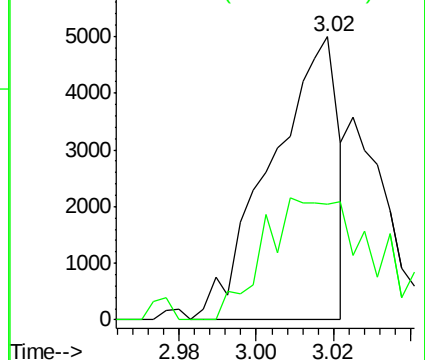
41 100

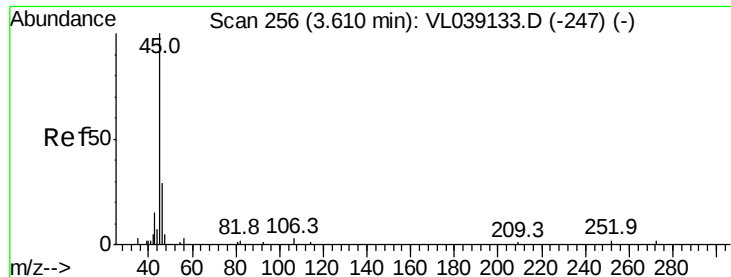
42 84.3 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

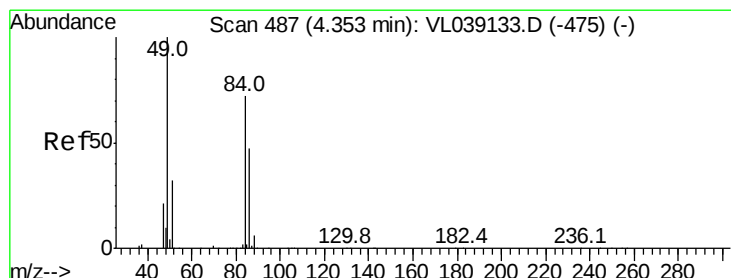
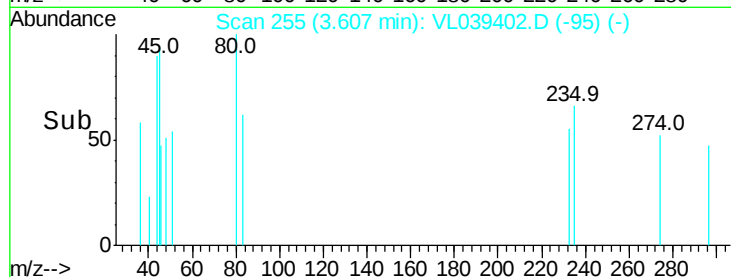
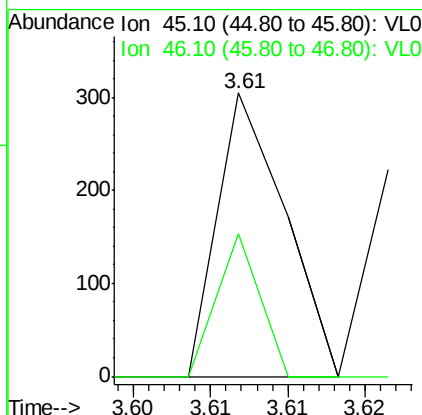
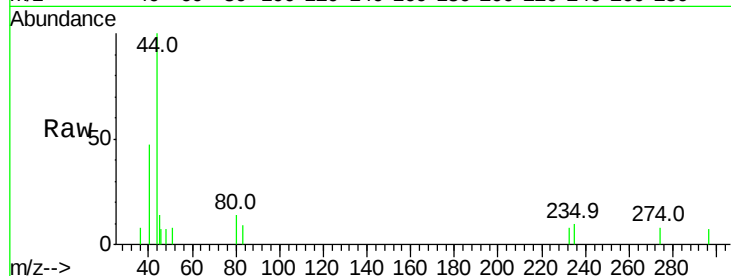
Ion 42.10 (41.80 to 42.80): VL0





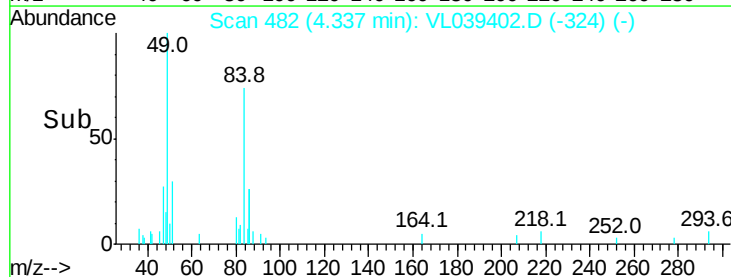
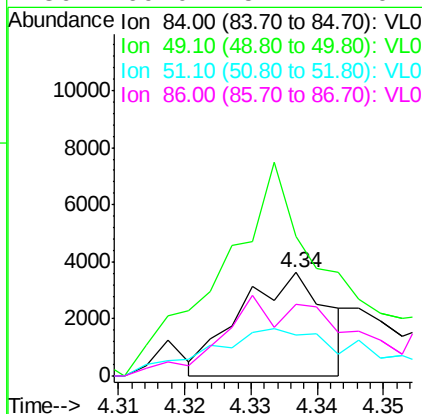
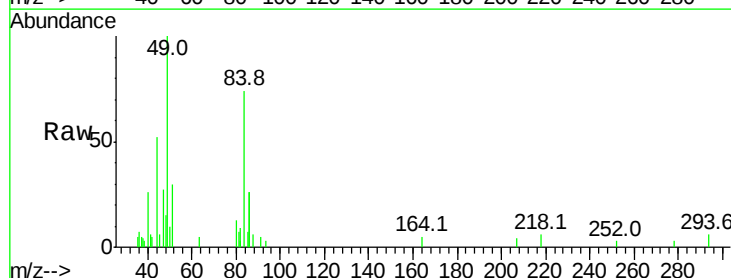
#13
Ethanol
Concen: 0.02 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Jun 2022 18:54

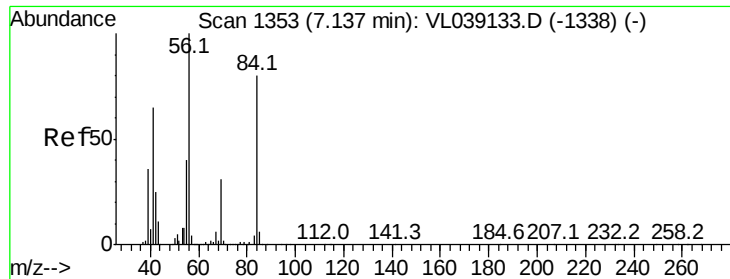
Tgt Ion: 45 Resp: 92
Ion Ratio Lower Upper
45 100
46 103.3 22.8 91.2#



#20
Methylene Chloride
Concen: 0.06 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL039402.D
Acq: 29 Jun 2022 18:54

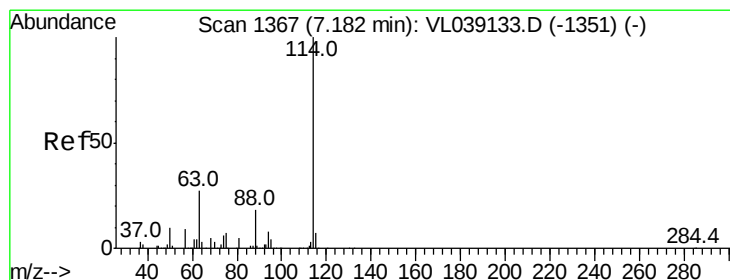
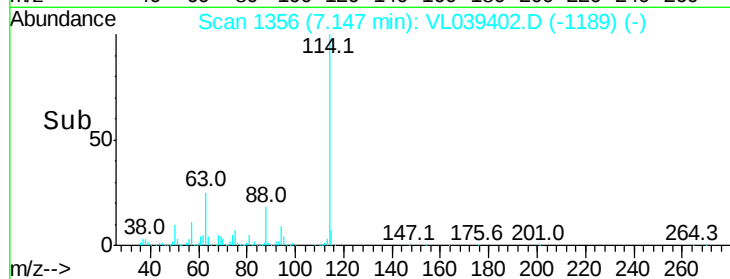
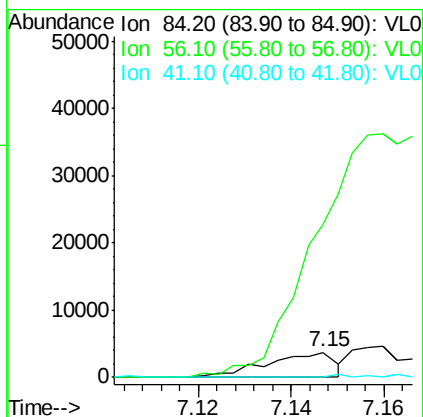
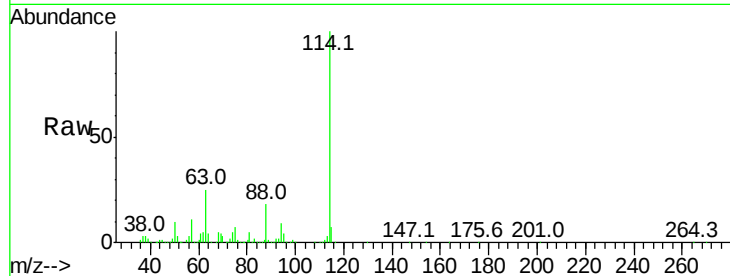
Tgt Ion: 84 Resp: 3354
Ion Ratio Lower Upper
84 100
49 83.6 123.1 184.7#
51 28.2 34.4 51.6#
86 69.0 51.1 76.7





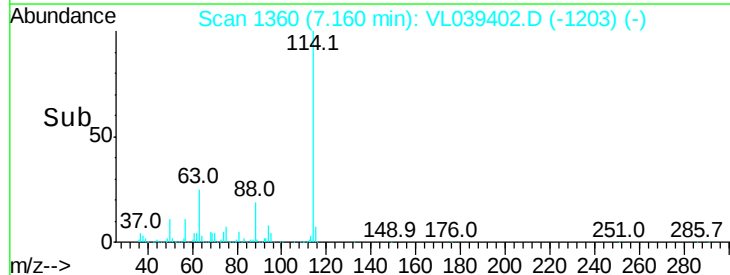
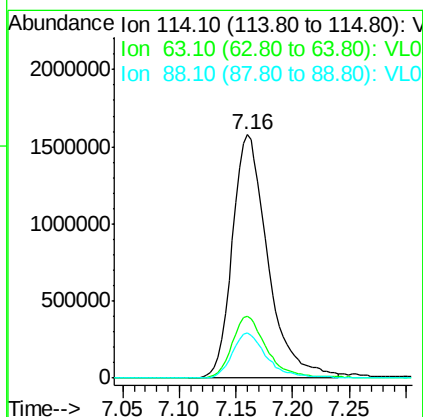
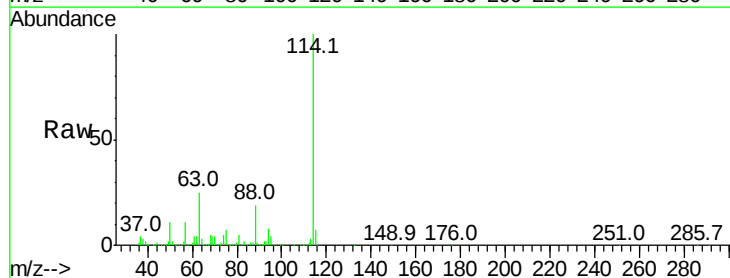
#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.15
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL0629ABL01
Acq: 29 Jun 2022 18:54

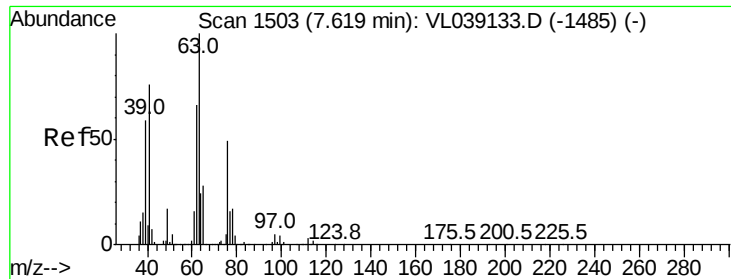
Tgt Ion: 84 Resp: 3744
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 5.4 67.7 101.5#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL039402.D
Acq: 29 Jun 2022 18:54

Tgt Ion: 114 Resp: 3451606
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.2 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.48 ppbv

RT: 7.16

Instrument: MSVOA_1

Delta R.T.:

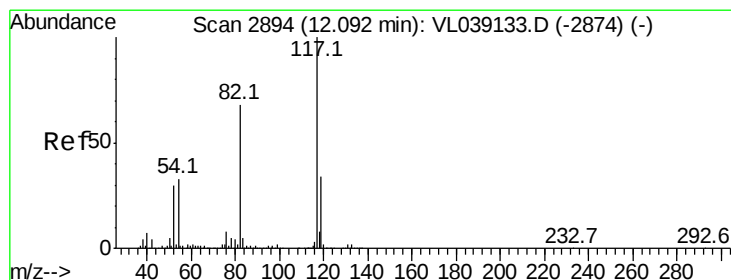
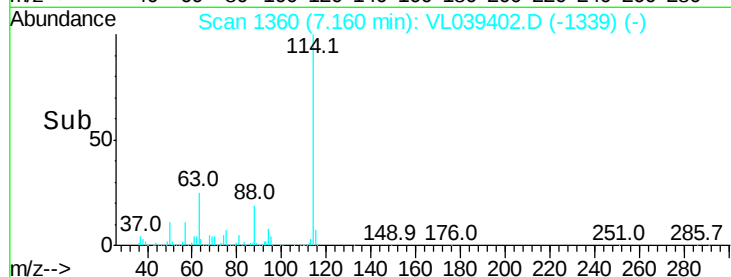
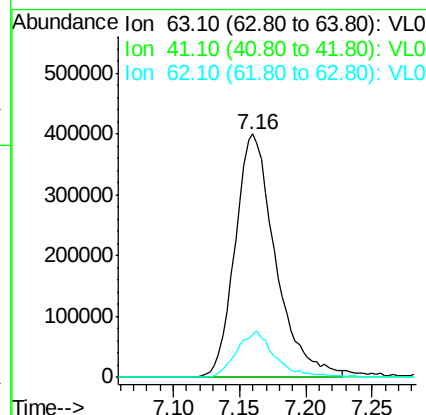
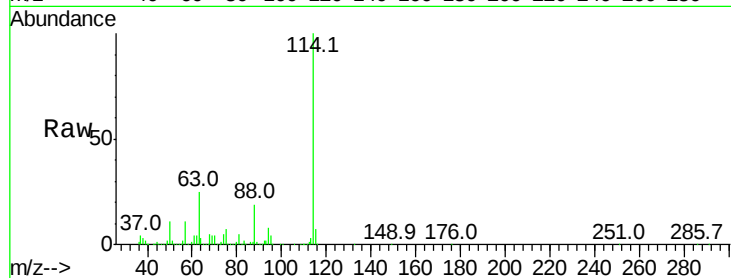
Client Sample Id: VL0629ABL01

Lab File:

Acq: 29 Jun 2022 18:54

Tgt Ion: 63 Resp: 846052

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.2	51.4	77.0#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2887

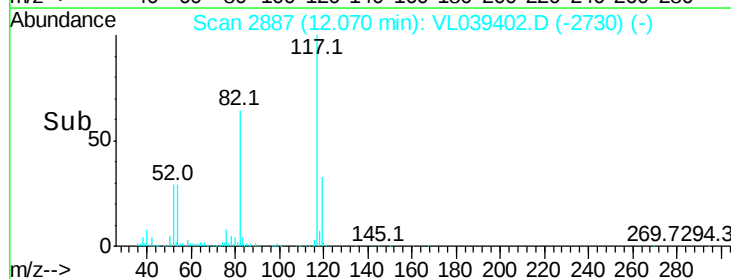
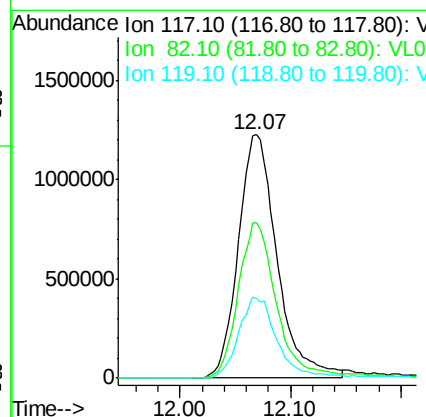
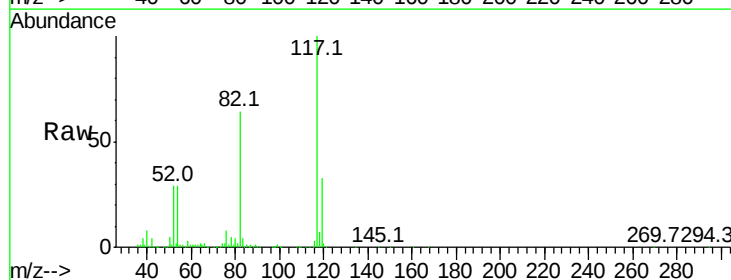
Delta R.T. 0.00 min

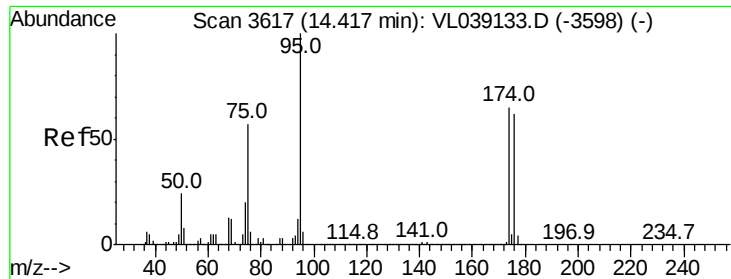
Lab File: VL039402.D

Acq: 29 Jun 2022 18:54

Tgt Ion: 117 Resp: 2980080

Ion	Ratio	Lower	Upper
117	100		
82	65.8	50.8	76.2
119	34.2	24.1	36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.89 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 18:34

Tgt Ion: 95 Resp: 2185698

Ion Ratio Lower Upper

95 100

174 72.5 55.9 83.9

175 5.6 4.2 6.4

