

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039361.D
 Acq On : 27 Jun 2022 15:16
 Operator : SY/AP
 Sample : VL0627ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0627ABL01

Quant Time: Jun 28 02:36:44 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	1070885	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3014114	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2552184	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1937103	9.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

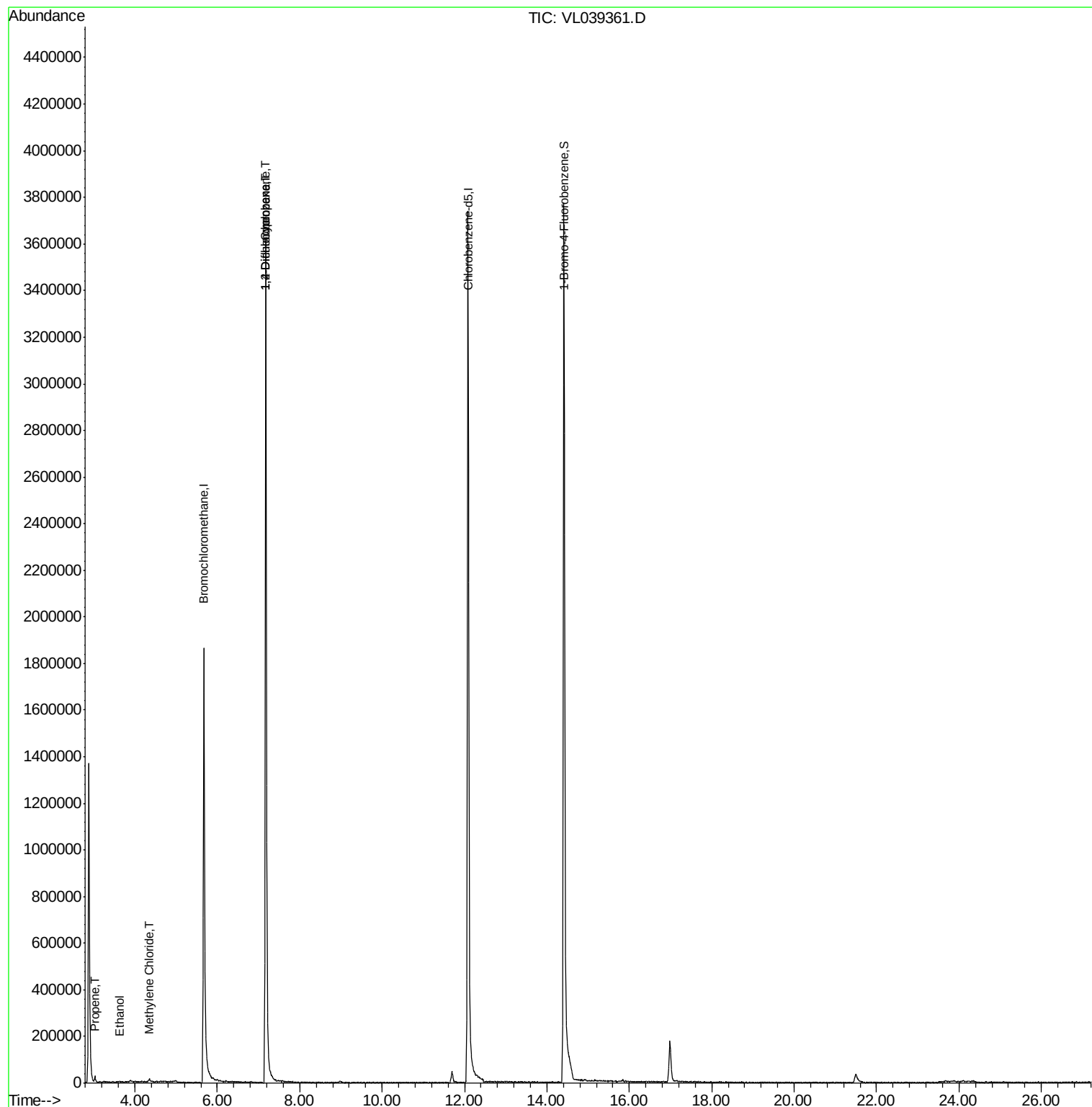
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5568	0.094	ppbv	83
13) Ethanol	3.62	45	268	0.083	ppbv #	100
20) Methylene Chloride	4.35	84	2159	0.046	ppbv #	69
30) Cyclohexane	7.16	84	3075	0.033	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	737177	7.574	ppbv #	24

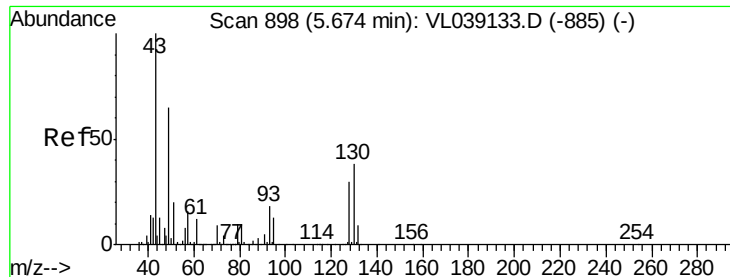
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VL0627ABL01

Acq: 27 Jun 2022 15:16

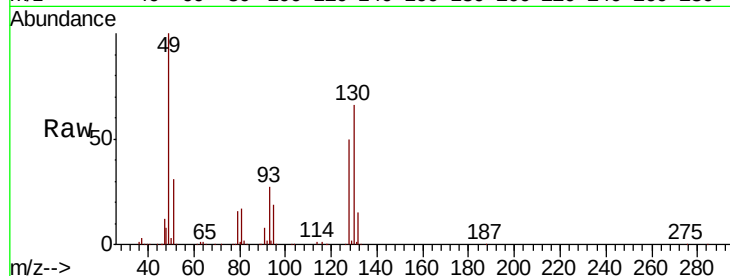
Tot Ion: 49 Resp: 1070885

Ion Ratio Lower Upper

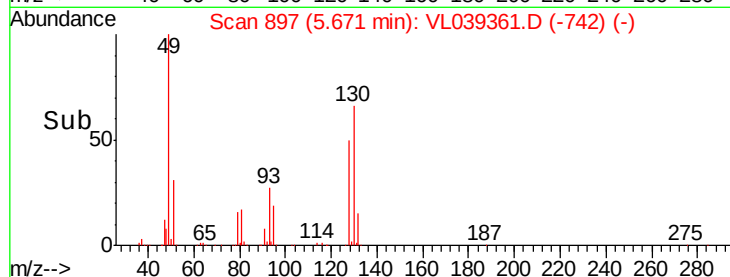
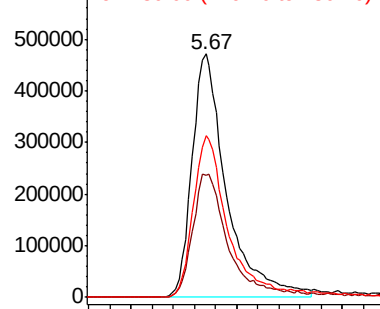
49 100

128 55.3 24.7 74.1

130 69.6 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: 0.094 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL039361.D

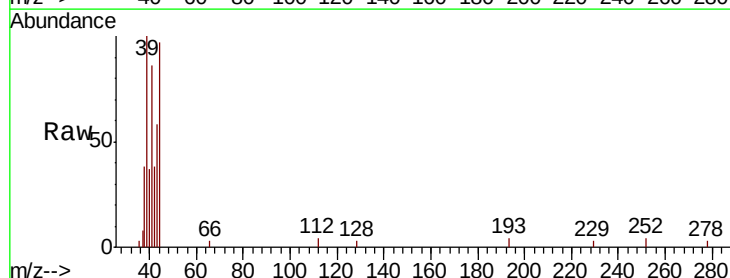
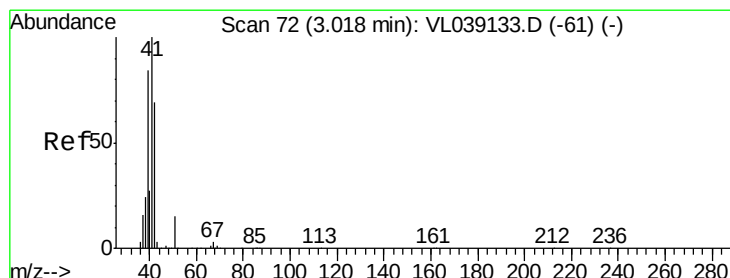
Acq: 27 Jun 2022 15:16

Tgt Ion: 41 Resp: 5568

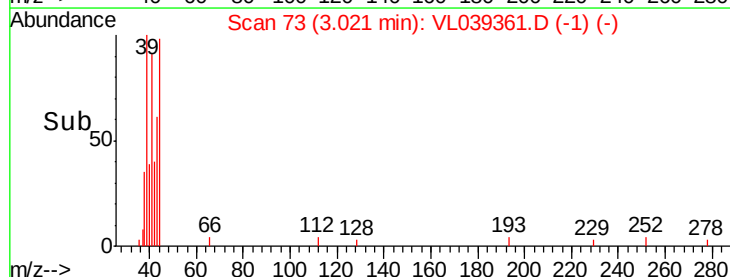
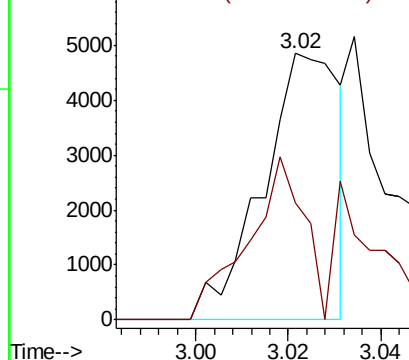
Ion Ratio Lower Upper

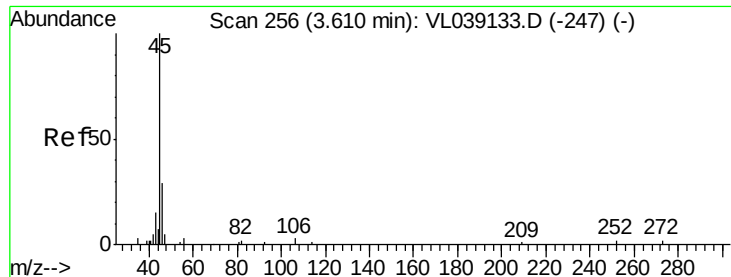
41 100

42 83.0 55.4 83.2



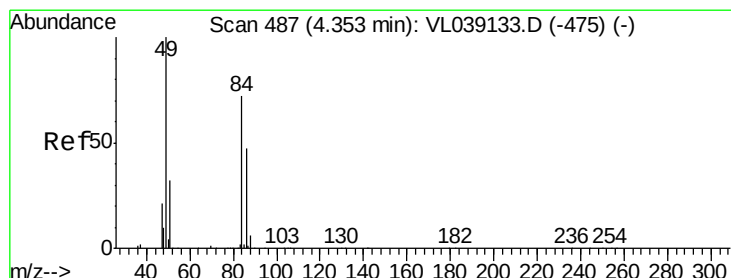
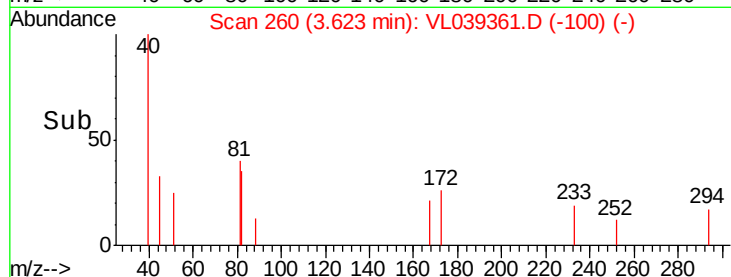
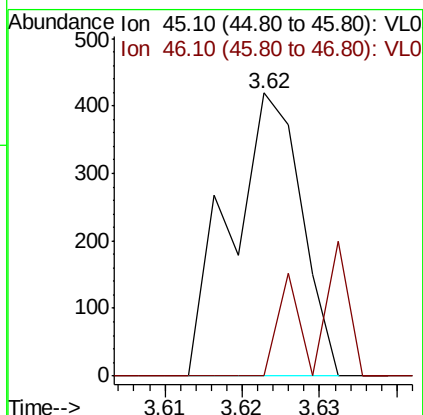
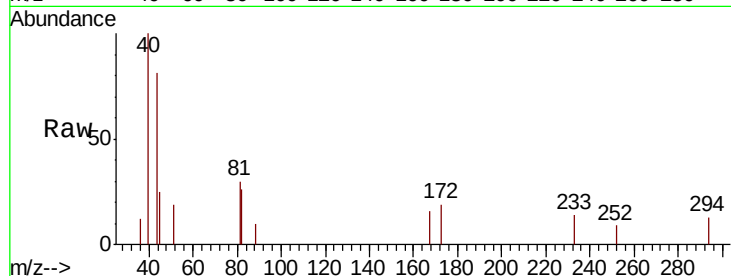
Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





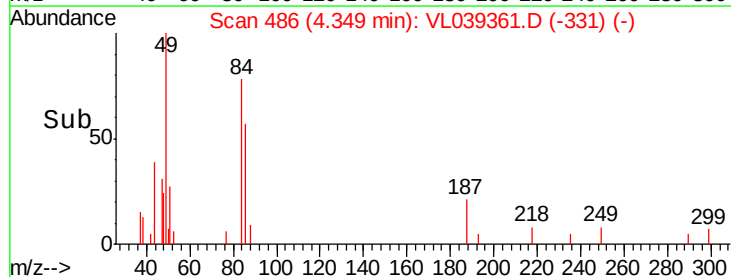
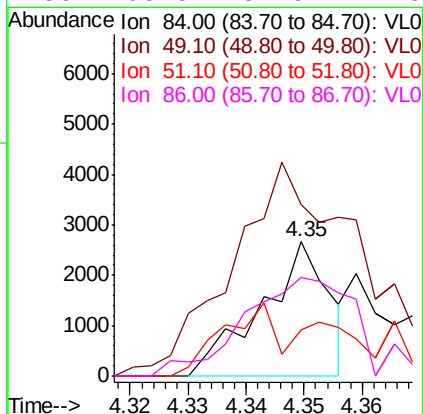
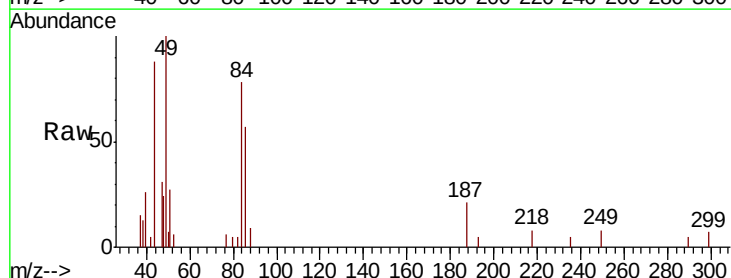
#13
Ethanol
Concen: 0.083 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0627ABL01
Acq: 27 Jun 2022 15:16

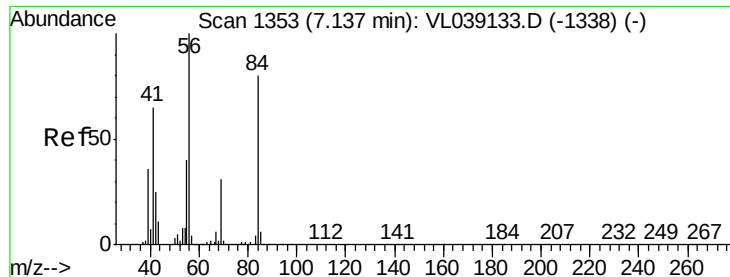
Tot Ion: 45 Resp: 268
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#20
Methylene Chloride
Concen: 0.046 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.00 min
Lab File: VL039361.D
Acq: 27 Jun 2022 15:16

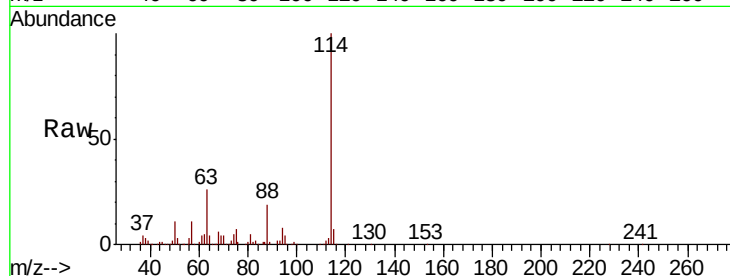
Tgt Ion: 84 Resp: 2159
Ion Ratio Lower Upper
84 100
49 81.7 111.1 166.7#
51 27.9 35.3 52.9#
86 63.5 51.9 77.9



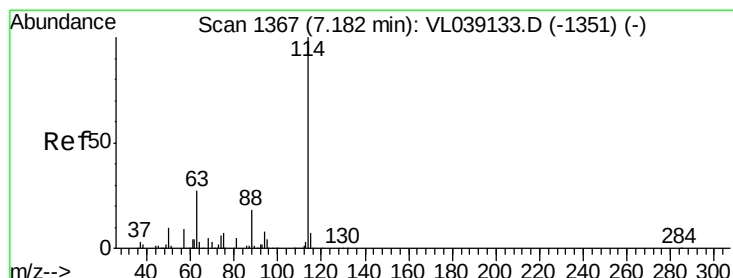
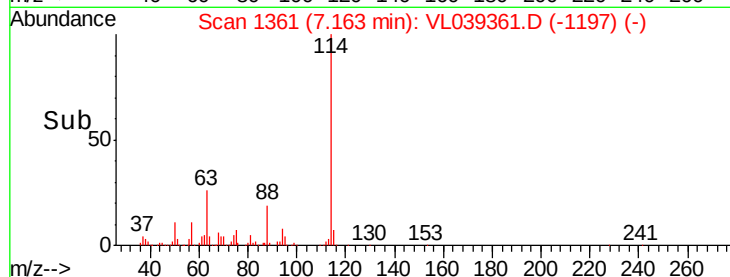
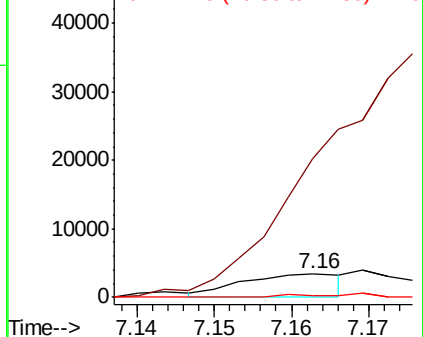


#30
Cvclohexane
Concen: 0.033 ppbv
RT: 7.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jun 2022 15:16

Tot Ion: 84 Resp: 3075
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 68.9 103.3#

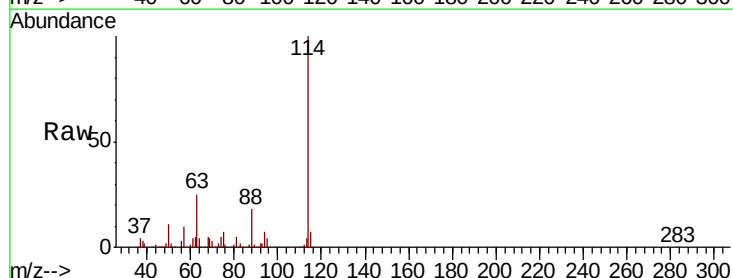


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

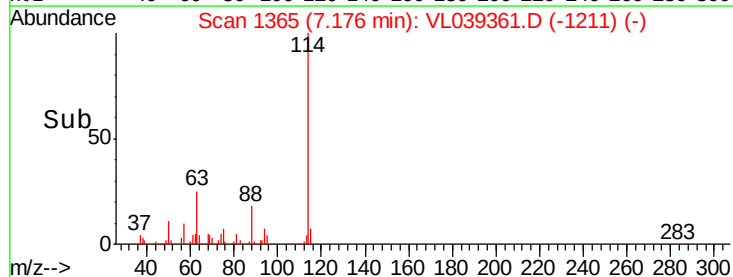
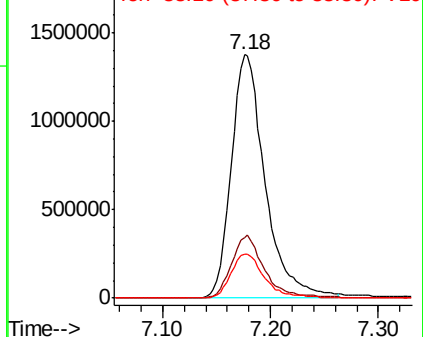


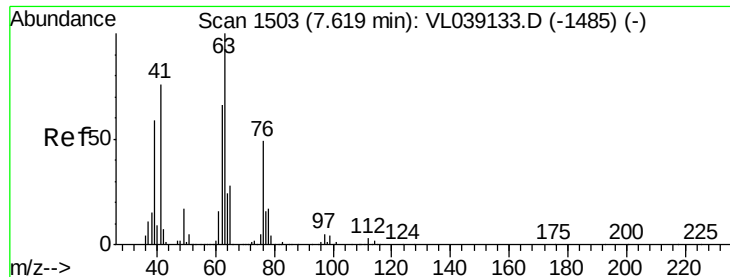
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL039361.D
Acq: 27 Jun 2022 15:16

Tgt Ion: 114 Resp: 3014114
Ion Ratio Lower Upper
114 100
63 25.3 21.7 32.5
88 18.1 14.8 22.2



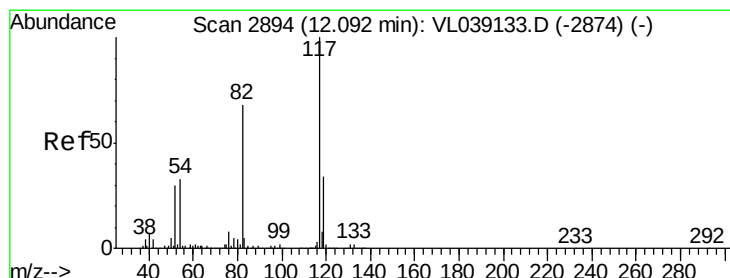
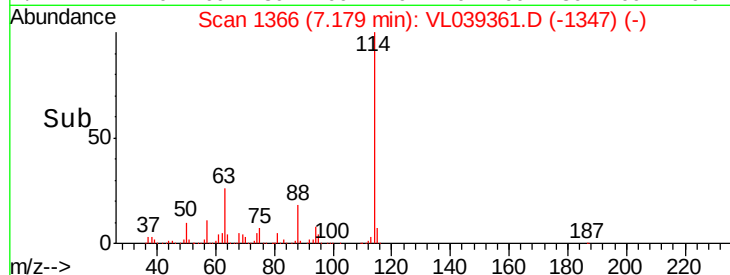
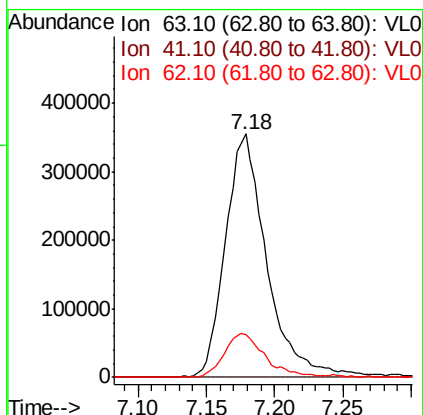
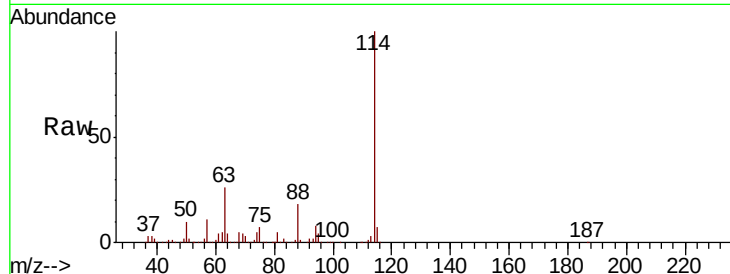
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





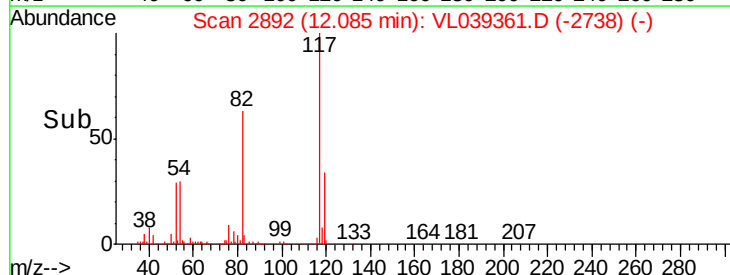
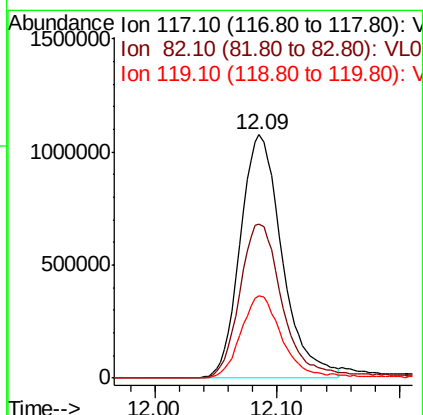
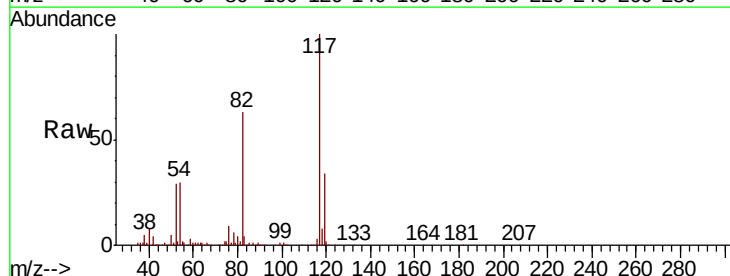
#39
 1,2-Dichloropropane
 Concen: 7.574 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0627ABL01
 Acq: 27 Jun 2022 15:16

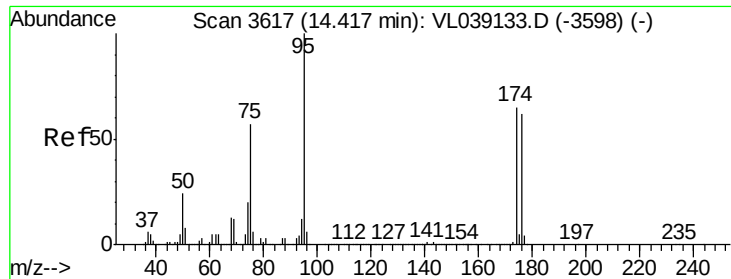
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	17.7	52.9	79.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL039361.D
 Acq: 27 Jun 2022 15:16

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.6	55.1	82.7
119	34.7	24.7	37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.181 ppbv

RT: 14.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 15:10 VL0627ABL01

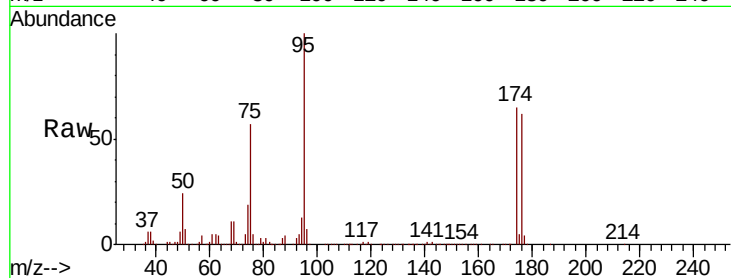
Tot Ion: 95 Resp: 1937103

Ion Ratio Lower Upper

95 100

174 71.4 53.8 80.8

175 4.8 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

