

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082522\
 Data File : VL039580.D
 Acq On : 25 Aug 2022 16:12
 Operator : SY/AP
 Sample : VL0825ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0825ABL01

Quant Time: Aug 26 06:20:17 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1060389	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2846174	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.46	117	2515527	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1782698	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

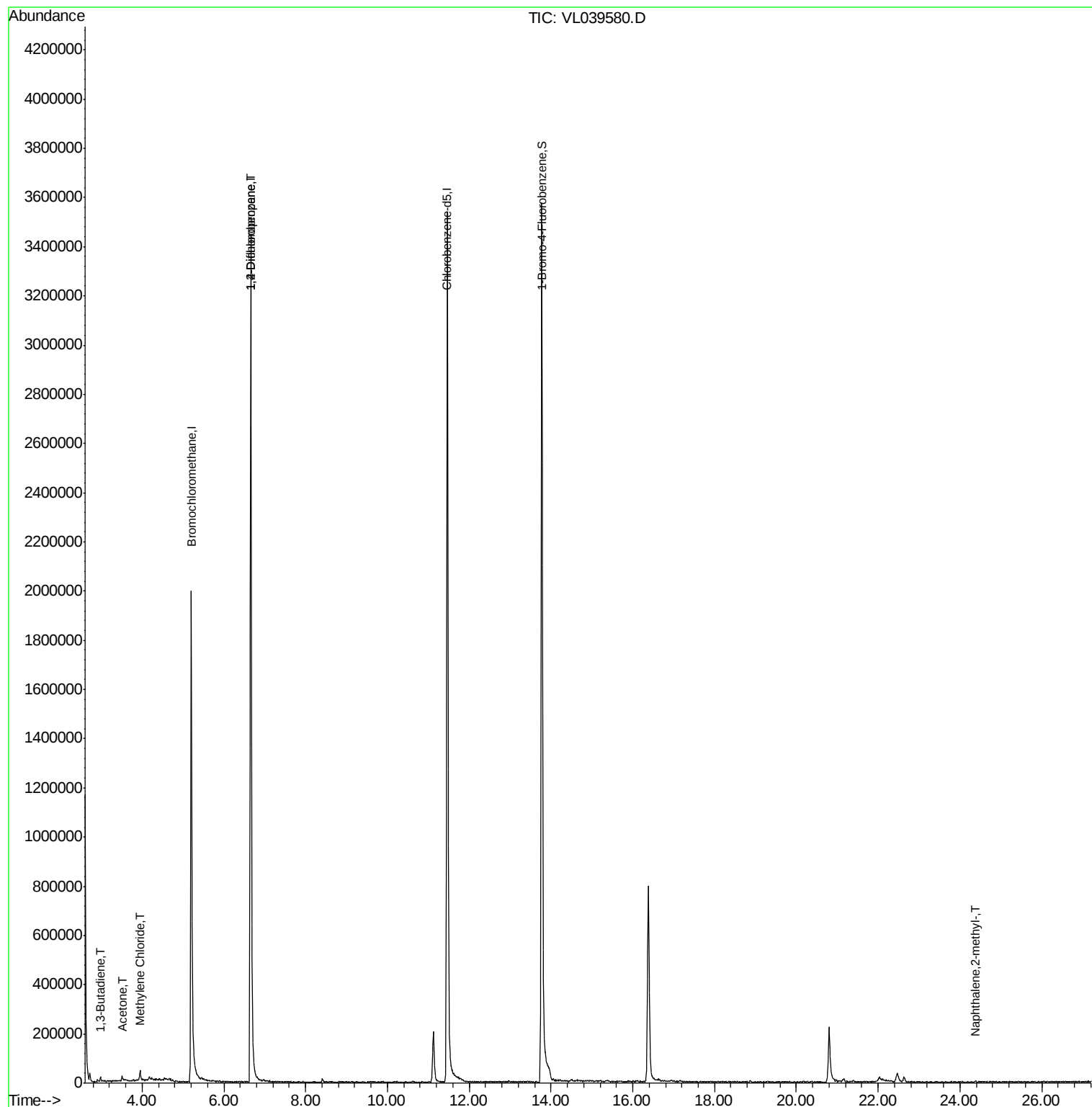
Target Compounds					Ovalue	
15) Acetone	3.51	43	15081	0.127	ppbv #	34
16) 1,3-Butadiene	2.99	39	1903	0.031	ppbv #	10
20) Methylene Chloride	3.95	84	12348	0.256	ppbv #	78
39) 1,2-Dichloropropane	6.66	63	687954	8.434	ppbv #	25
80) Naphthalene,2-methyl-	24.37	142	4309	0.050	ppbv #	75

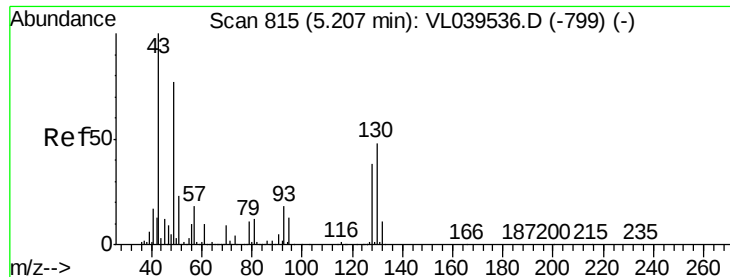
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Aug 2022 16:12 VL0825ABL01

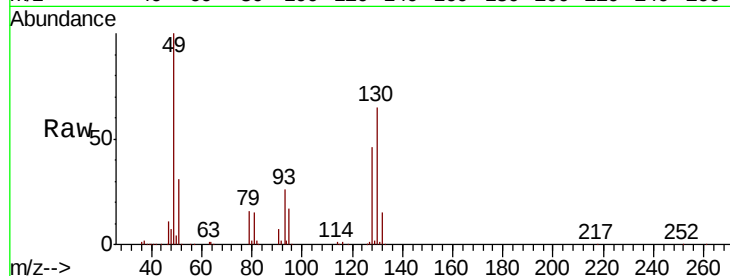
Tot Ion: 49 Resp: 1060389

Ion Ratio Lower Upper

49 100

128 51.9 26.7 80.0

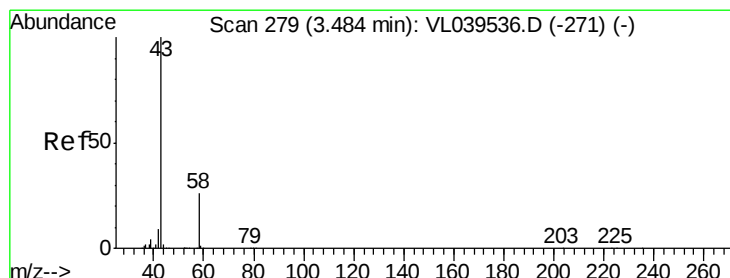
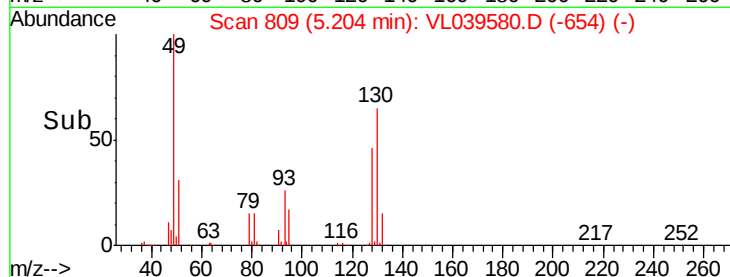
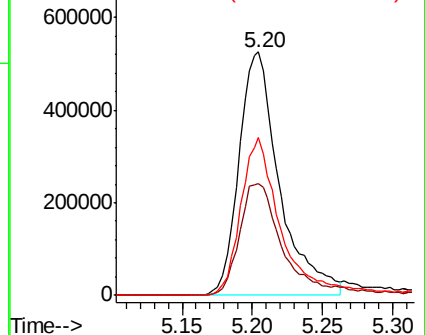
130 67.6 34.3 102.8



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



#15

Acetone

Concen: 0.127 ppbv

RT: 3.51 min Scan# 282

Delta R.T. 0.03 min

Lab File: VL039580.D

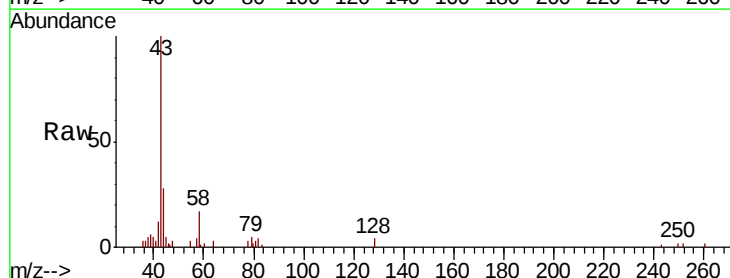
Acq: 25 Aug 2022 16:12

Tgt Ion: 43 Resp: 15081

Ion Ratio Lower Upper

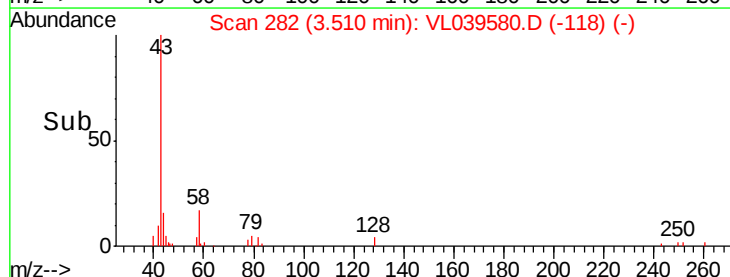
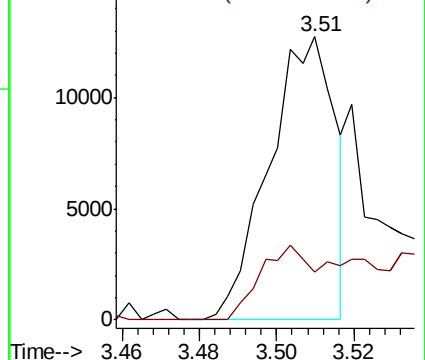
43 100

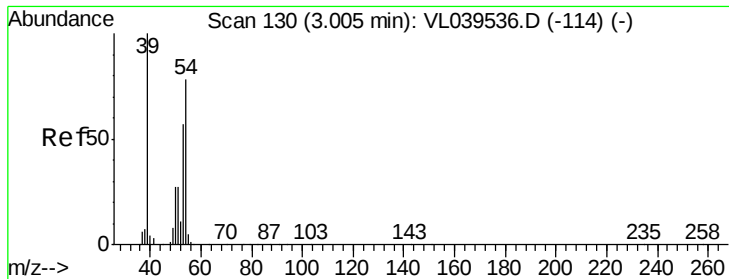
58 60.0 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

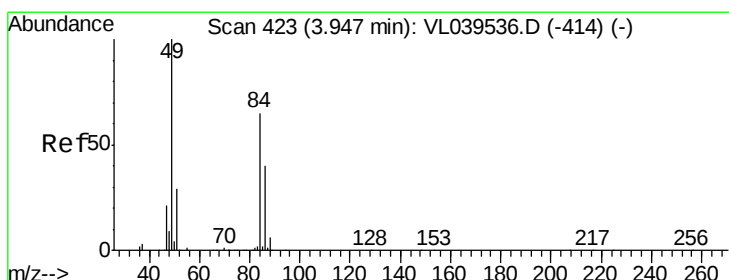
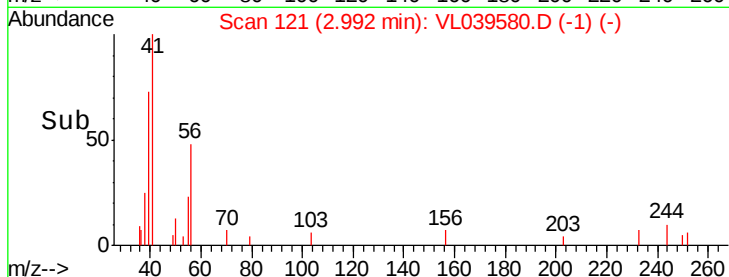
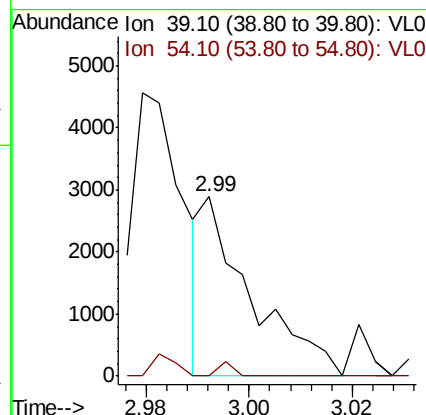
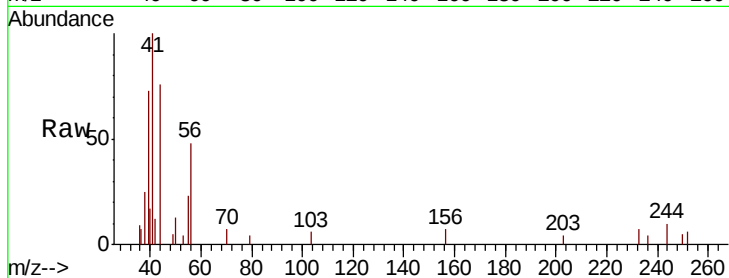
Ion 58.10 (57.80 to 58.80): VL0





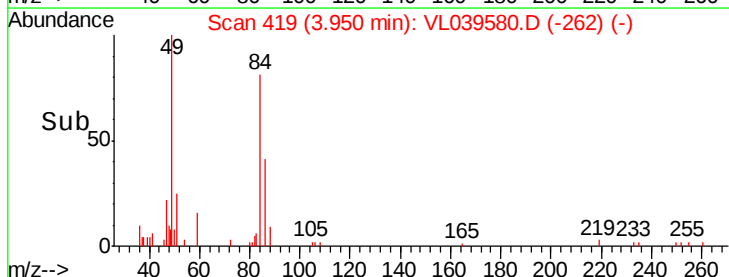
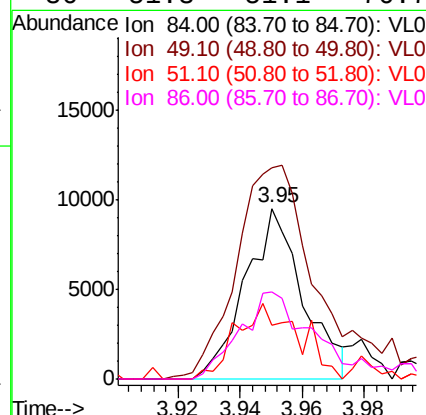
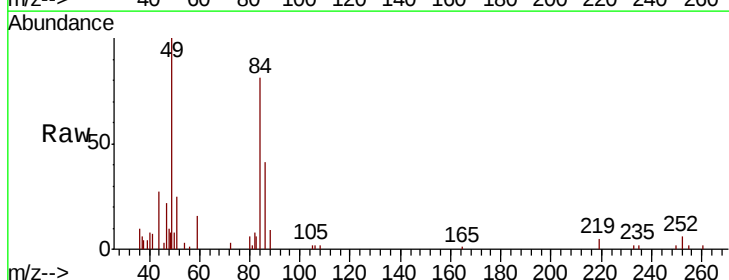
#16
 1,3-Butadiene
 Concen: 0.031 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0825ABL01
 Acq: 25 Aug 2022 16:12

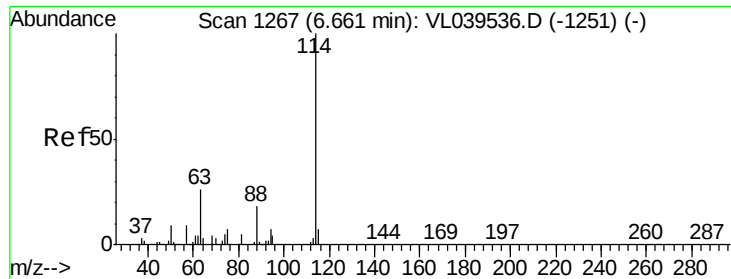
Tot Ion: 39 Resp: 1903
 Ion Ratio Lower Upper
 39 100
 54 0.0 63.7 95.5#



#20
 Methylene Chloride
 Concen: 0.256 ppbv
 RT: 3.95 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: VL039580.D
 Acq: 25 Aug 2022 16:12

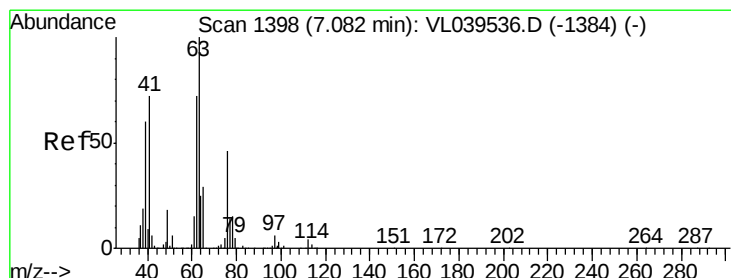
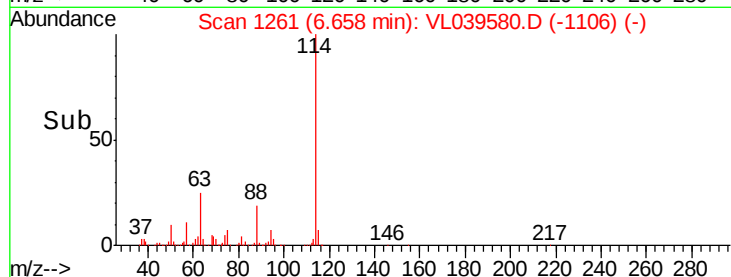
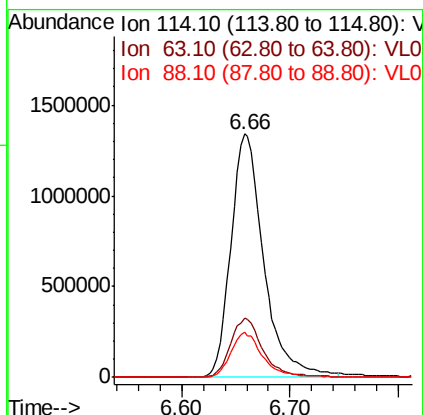
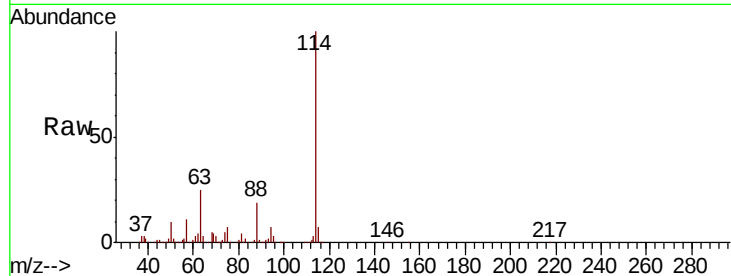
Tgt Ion: 84 Resp: 12348
 Ion Ratio Lower Upper
 84 100
 49 120.2 123.1 184.7#
 51 31.2 34.4 51.6#
 86 51.3 51.1 76.7





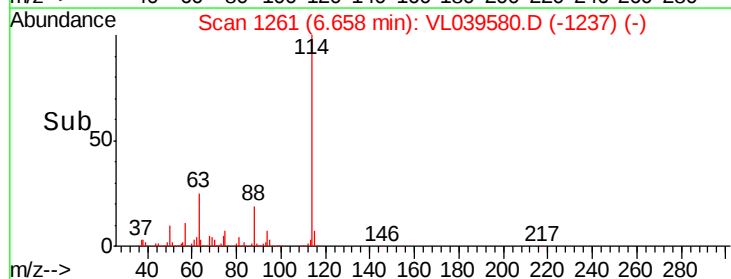
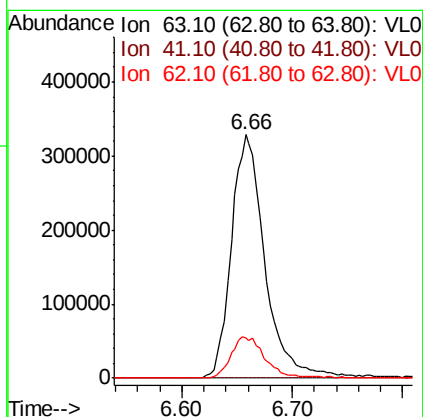
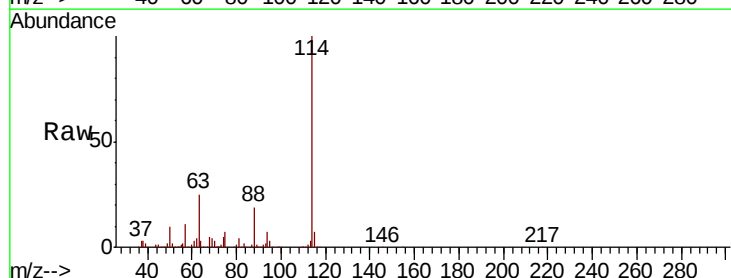
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0825ABL01
 Acq: 25 Aug 2022 16:12

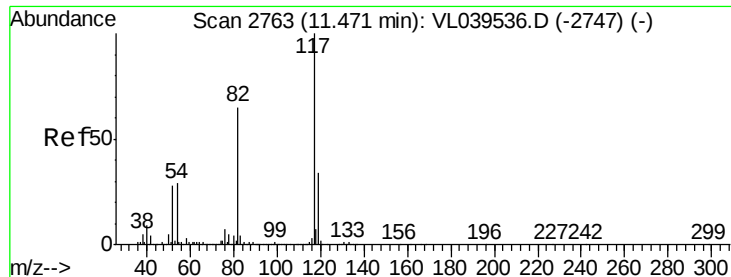
Tot Ion:	114	Resp:	2846174
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.0	14.5	21.7



#39
 1,2-Dichloropropane
 Concen: 8.434 ppbv
 RT: 6.66 min Scan# 1261
 Delta R.T. -0.42 min
 Lab File: VL039580.D
 Acq: 25 Aug 2022 16:12

Tgt Ion:	63	Resp:	687954
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.2	51.4	77.0#

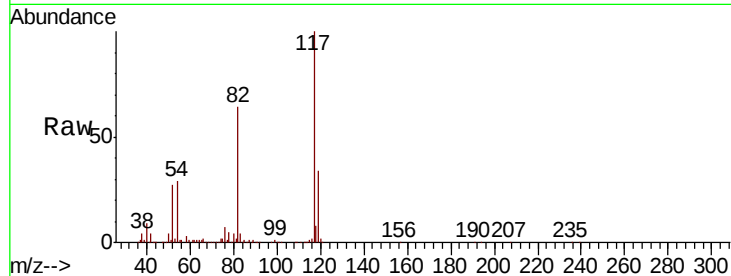




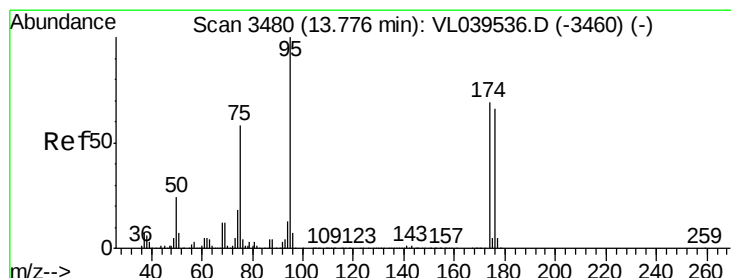
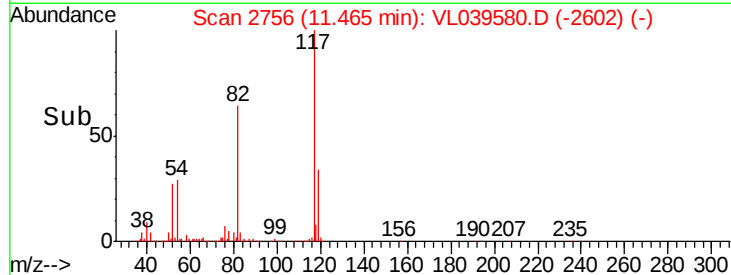
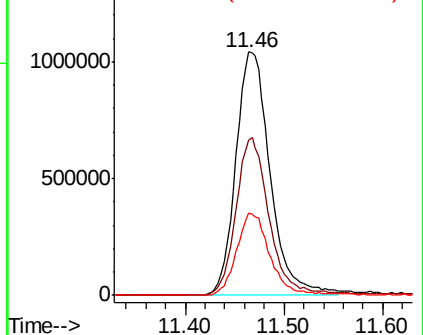
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.46 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0825ABL01
Acq: 25 Aug 2022 16:12

Tot Ion:117 Resp: 2515527

Ion	Ratio	Lower	Upper
117	100		
82	64.2	50.8	76.2
119	33.3	24.1	36.1



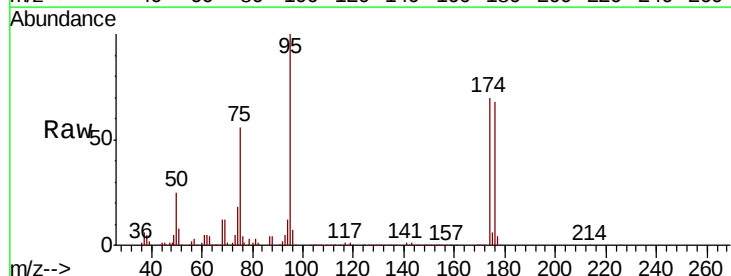
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



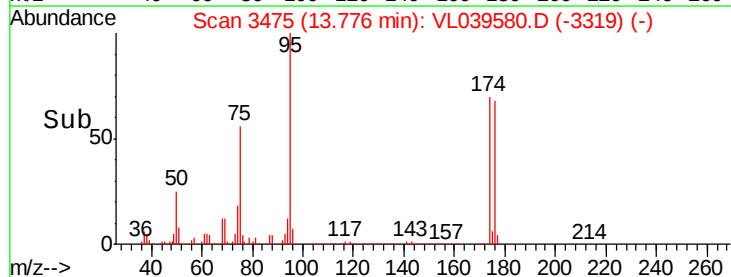
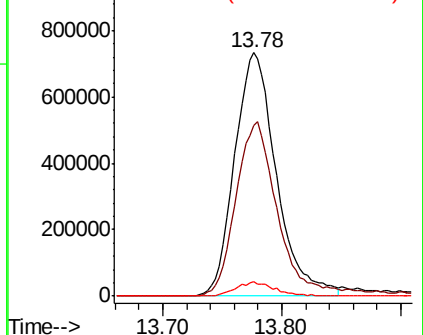
#68
1-Bromo-4-Fluorobenzene
Concen: 9.394 ppbv
RT: 13.78 min Scan# 3475
Delta R.T.: 0.00 min
Lab File: VL039580.D
Acq: 25 Aug 2022 16:12

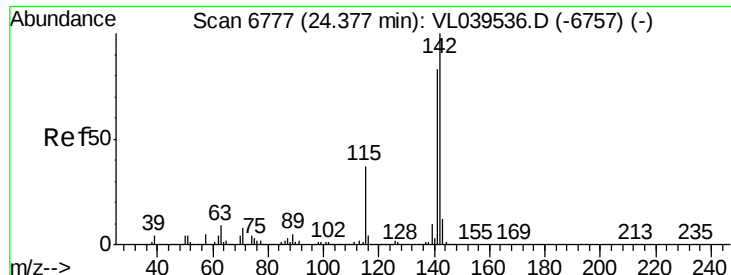
Tgt Ion: 95 Resp: 1782698

Ion	Ratio	Lower	Upper
95	100		
174	73.3	55.9	83.9
175	5.6	4.2	6.4



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





#80

Naphthalene, 2-methyl-

Concen: 0.050 ppbv

RT: 24.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0825ABL01

Acq: 25 Aug 2022 18.12

Tot Ion: 142 Resp: 4309

Ion Ratio Lower Upper

142 100

141 117.7 68.9 103.3#

115 40.0 30.0 45.0

