

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038298.D
 Acq On : 27 Jan 2022 15:54
 Operator : SY/AP
 Sample : VL0127ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABL01

Quant Time: Jan 28 05:13:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	786272	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2028402	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1653923	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1243296	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

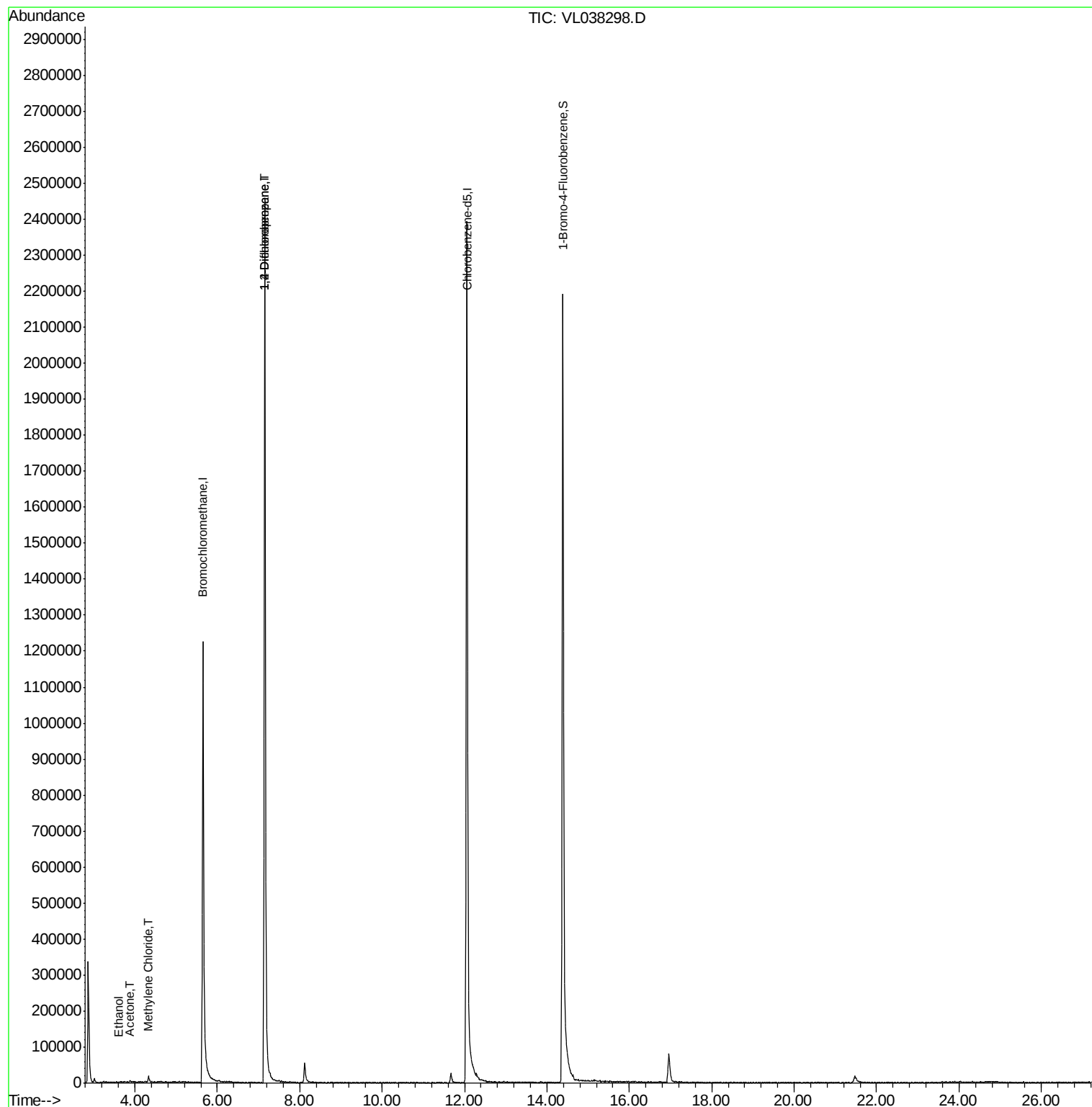
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	173	0.032	ppbv #	37
15) Acetone	3.88	43	3168	0.046	ppbv #	69
20) Methylene Chloride	4.33	84	2618	0.065	ppbv #	86
39) 1,2-Dichloropropane	7.15	63	555411	7.635	ppbv #	26

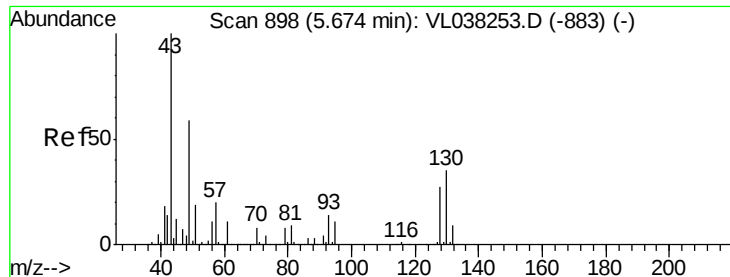
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0127ABL01

Acq: 27 Jan 2022 15:54

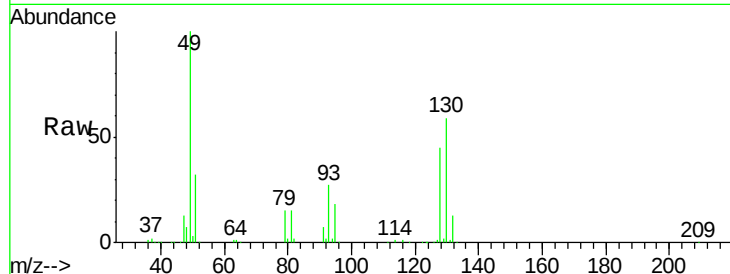
Tgt Ion: 49 Resp: 786272

Ion Ratio Lower Upper

49 100

128 45.9 24.5 73.5

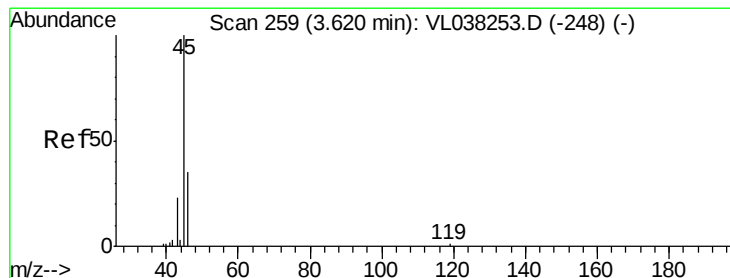
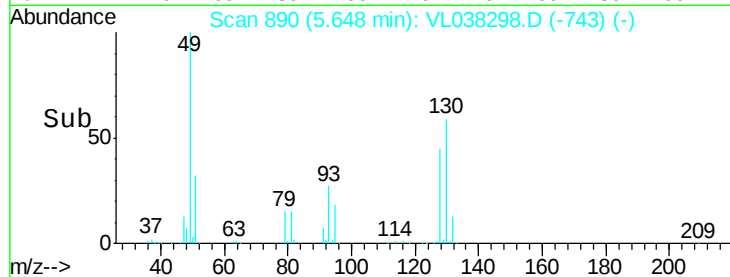
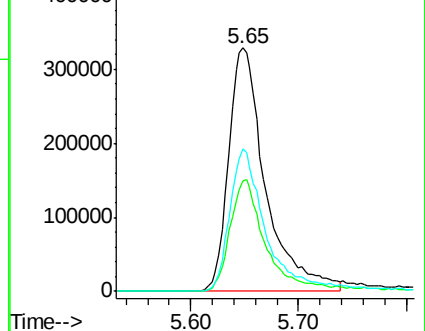
130 59.7 30.1 90.5



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



#13

Ethanol

Concen: 0.032 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL038298.D

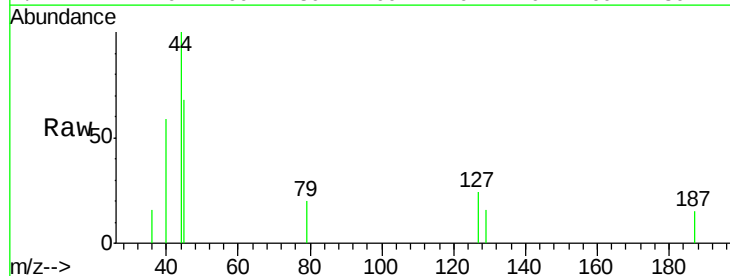
Acq: 27 Jan 2022 15:54

Tgt Ion: 45 Resp: 173

Ion Ratio Lower Upper

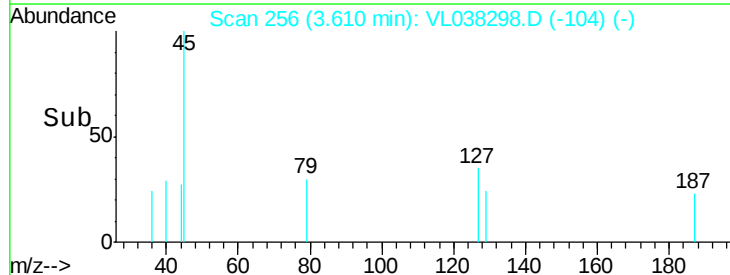
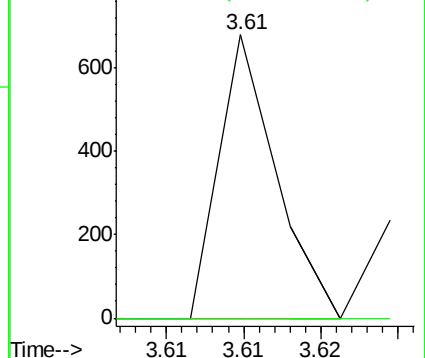
45 100

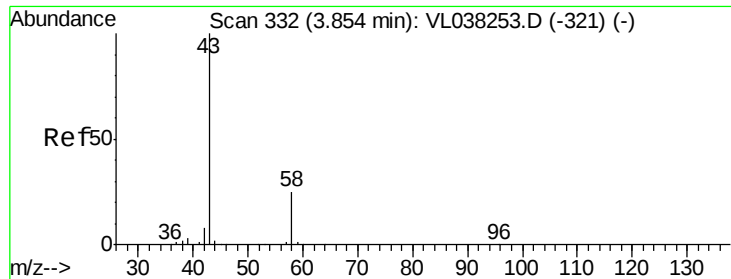
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.046 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

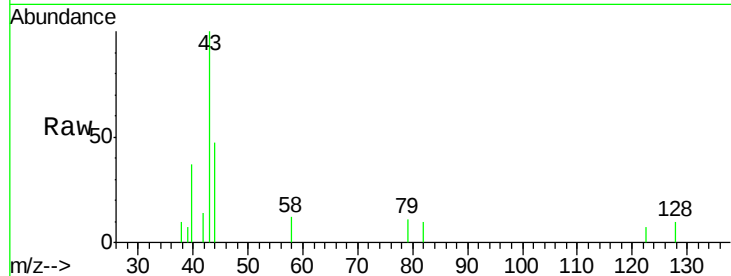
Acq: 27 Jan 2022 15:54 VL0127ABL01

Tgt Ion: 43 Resp: 3168

Ion Ratio Lower Upper

43 100

58 42.9 21.5 32.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.88

2500

2000

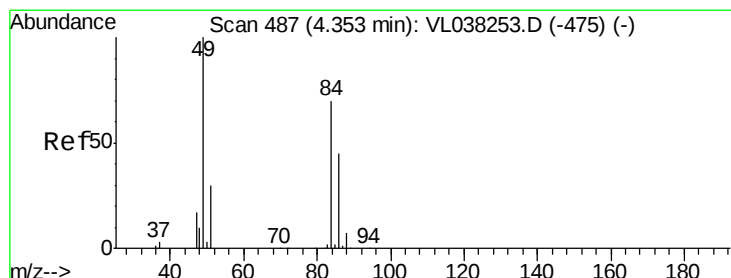
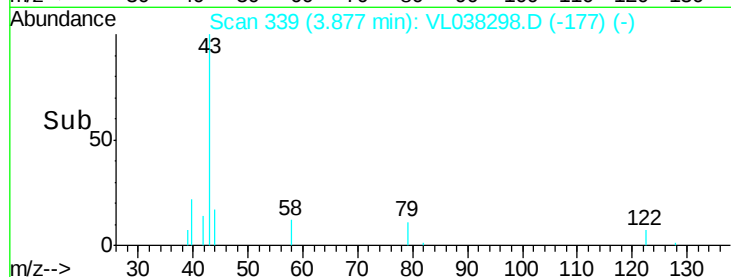
1500

1000

500

0

Time--> 3.84 3.86 3.88 3.90



#20

Methylene Chloride

Concen: 0.065 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL038298.D

Acq: 27 Jan 2022 15:54

Tgt Ion: 84 Resp: 2618

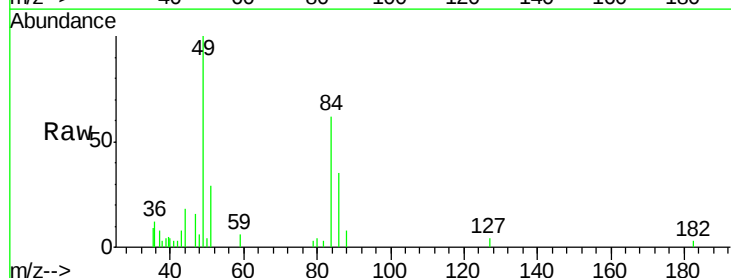
Ion Ratio Lower Upper

84 100

49 149.9 115.0 172.6

51 42.1 35.0 52.6

86 30.2 51.4 77.0#



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

4.33

8000

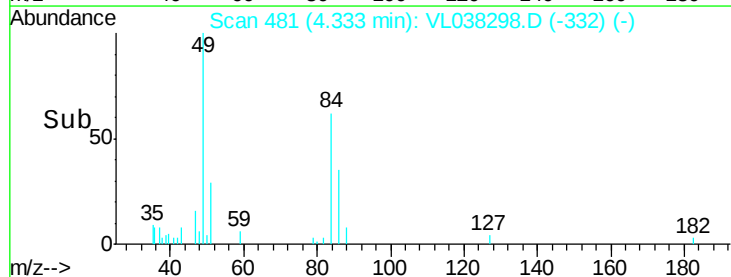
6000

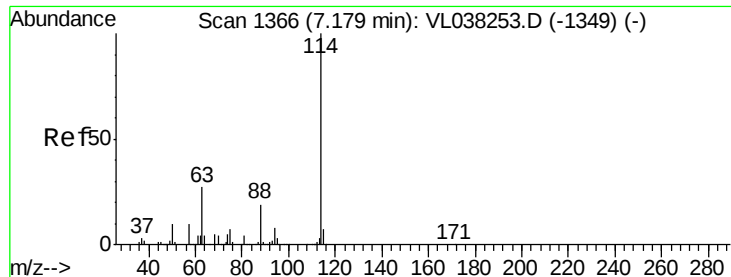
4000

2000

0

Time--> 4.32 4.33 4.34

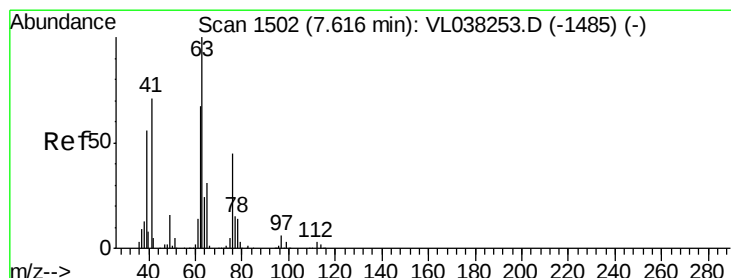
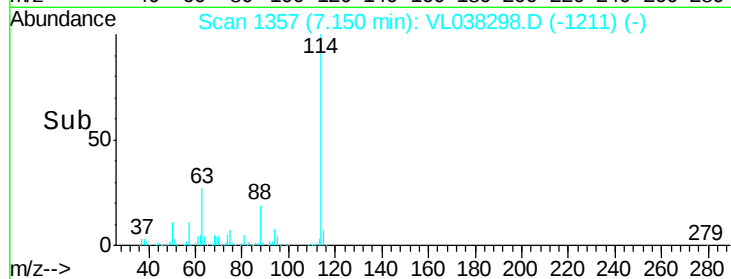
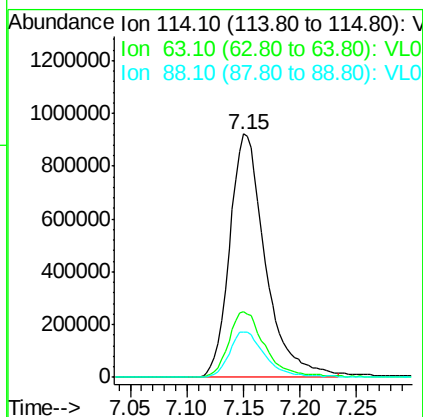
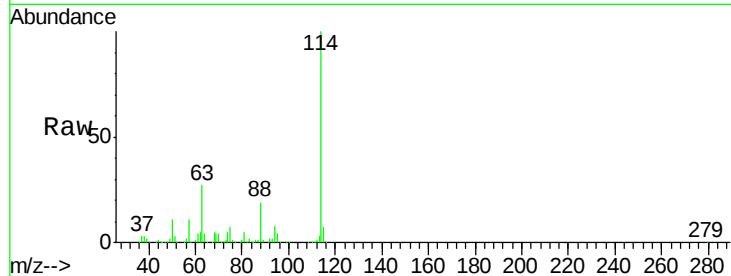




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0127ABL01
 Acq: 27 Jan 2022 15:54

Tgt Ion: 114 Resp: 2028402

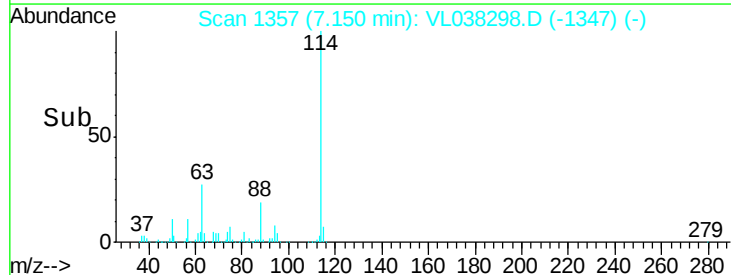
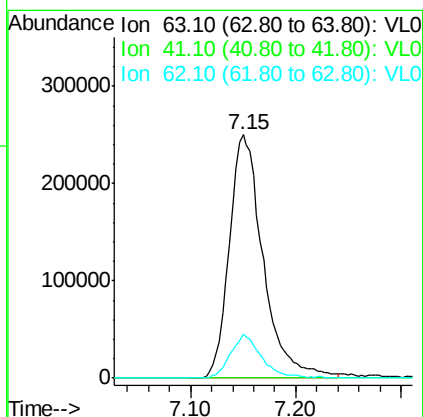
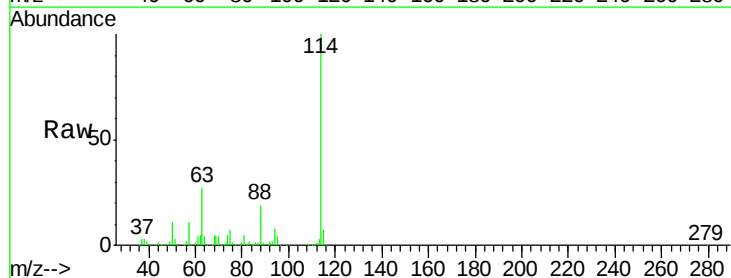
Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.0	33.0
88	19.1	15.0	22.6

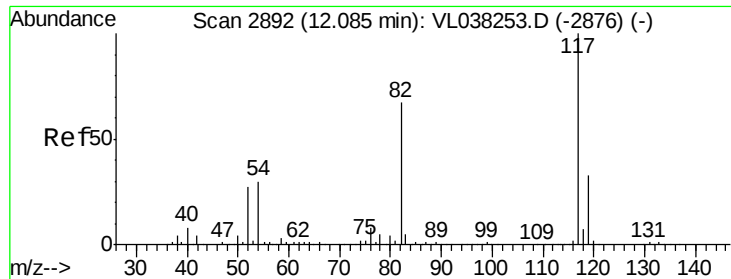


#39
 1,2-Dichloropropane
 Concen: 7.635 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL038298.D
 Acq: 27 Jan 2022 15:54

Tgt Ion: 63 Resp: 555411

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	17.8	53.9	80.9#

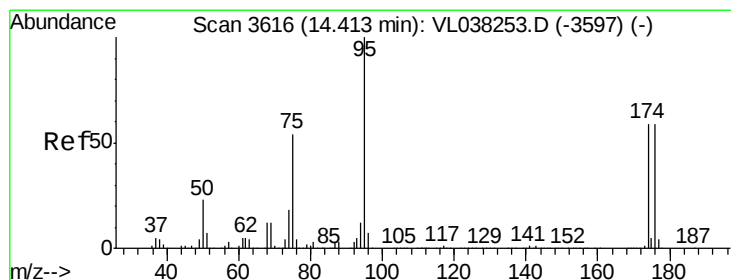
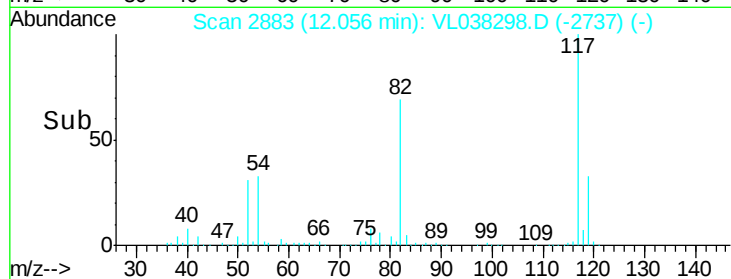
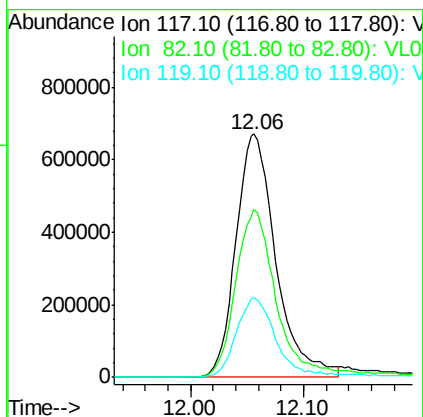
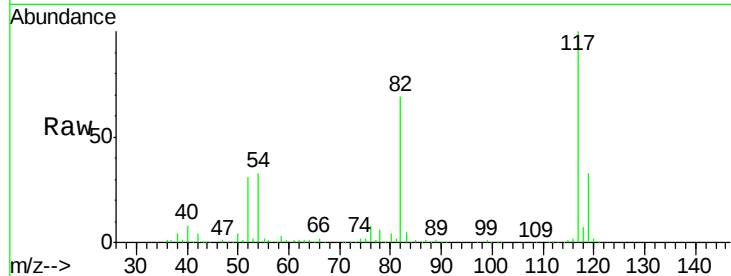




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0127ABL01
Acq: 27 Jan 2022 15:54

Tgt Ion: 117 Resp: 1653923

Ion	Ratio	Lower	Upper
117	100		
82	73.2	54.4	81.6
119	34.4	45.9	68.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.904 ppbv
RT: 14.38 min Scan# 3607
Delta R.T.: -0.03 min
Lab File: VL038298.D
Acq: 27 Jan 2022 15:54

Tgt Ion: 95 Resp: 1243296

Ion	Ratio	Lower	Upper
95	100		
174	61.5	48.3	72.5
175	4.6	3.5	5.3

