

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038716.D
 Acq On : 23 Mar 2022 14:56
 Operator : SY/AP
 Sample : VL0323ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABL01

Quant Time: Mar 24 04:33:35 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	796101	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2061863	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1692563	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1184990	9.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

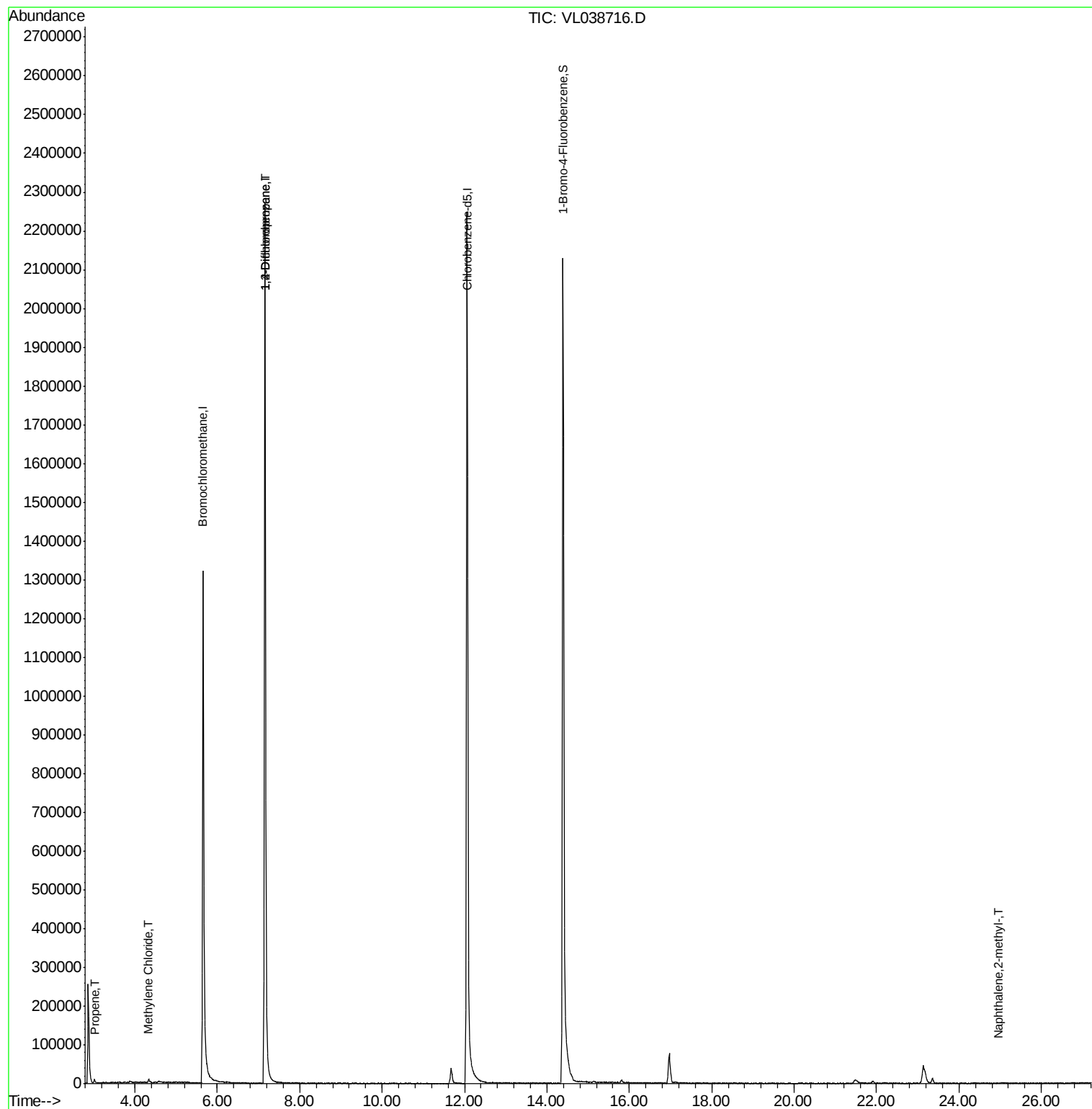
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2924	0.072	ppbv	87
20) Methylene Chloride	4.33	84	3247	0.112	ppbv #	74
39) 1,2-Dichloropropane	7.16	63	476703	7.663	ppbv #	29
80) Naphthalene,2-methyl-	24.96	142	1306	0.033	ppbv #	39

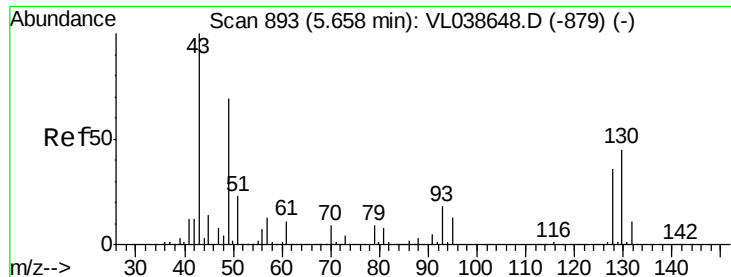
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0323ABL01

Acq: 23 Mar 2022 14:56

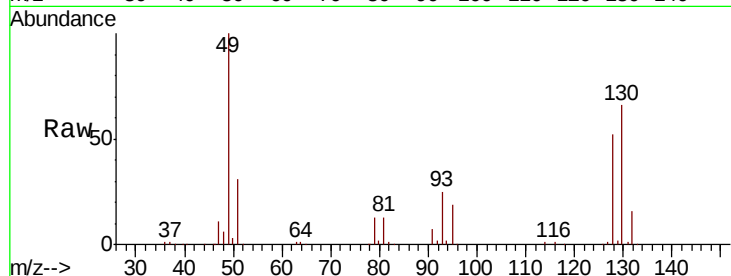
Tot Ion: 49 Resp: 796101

Ion Ratio Lower Upper

49 100

128 53.7 26.2 78.6

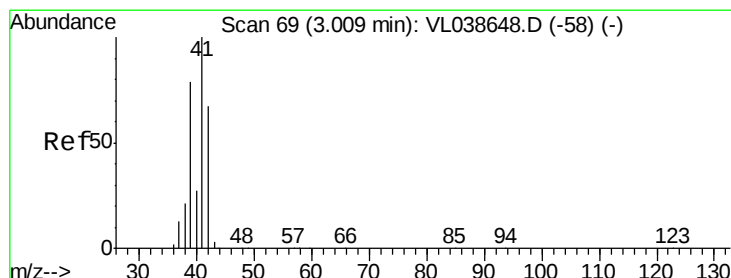
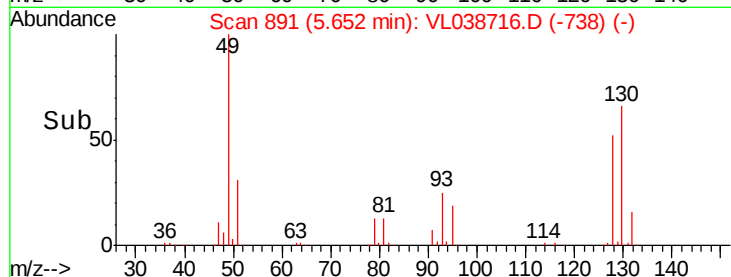
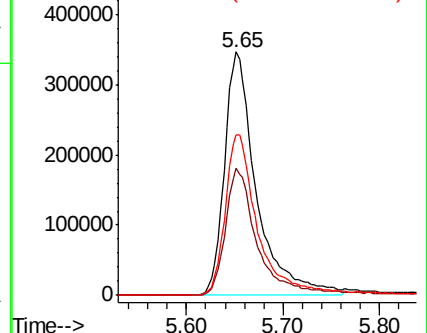
130 69.7 33.7 101.1



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: 0.072 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038716.D

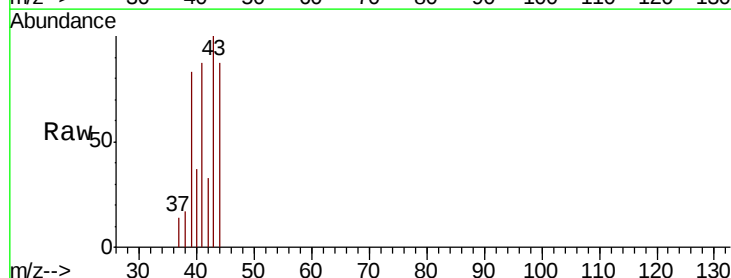
Acq: 23 Mar 2022 14:56

Tgt Ion: 41 Resp: 2924

Ion Ratio Lower Upper

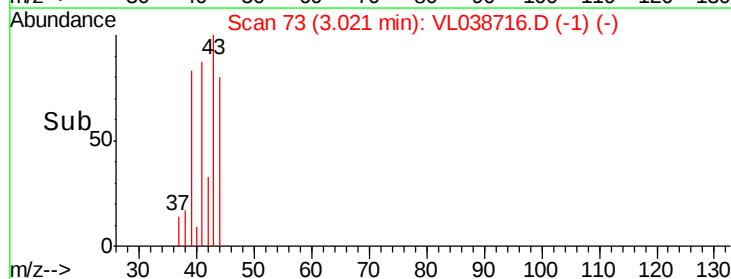
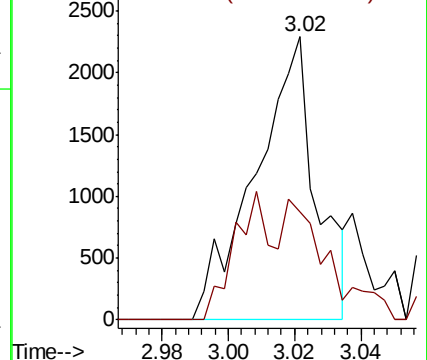
41 100

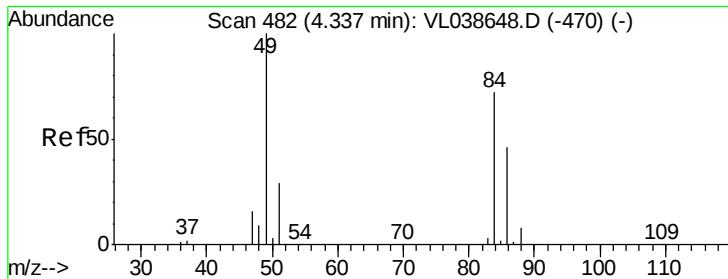
42 60.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

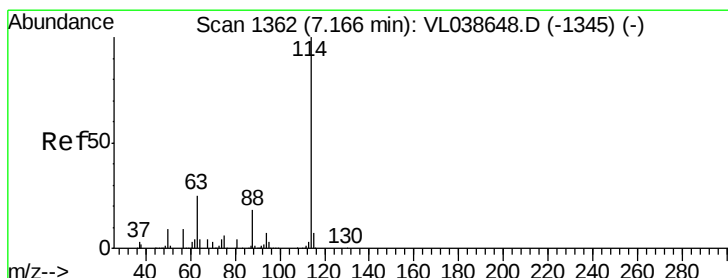
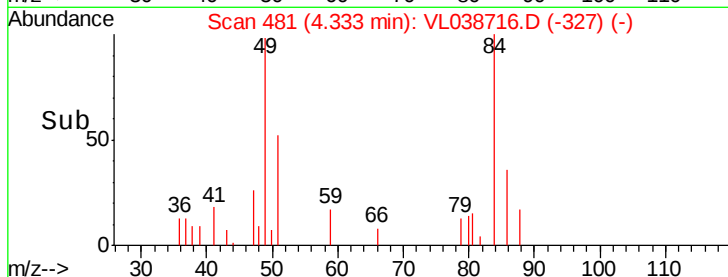
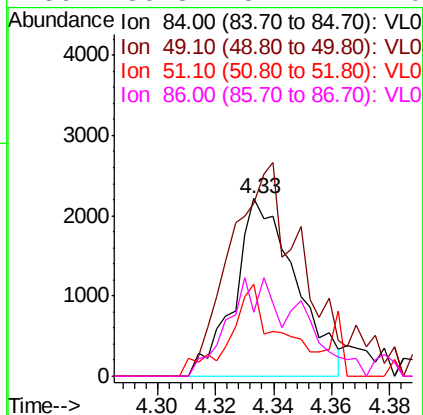
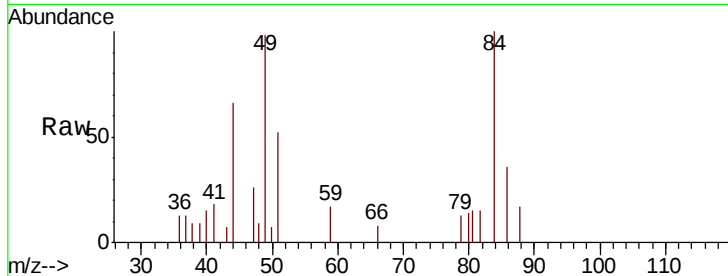
Ion 42.10 (41.80 to 42.80): VL0





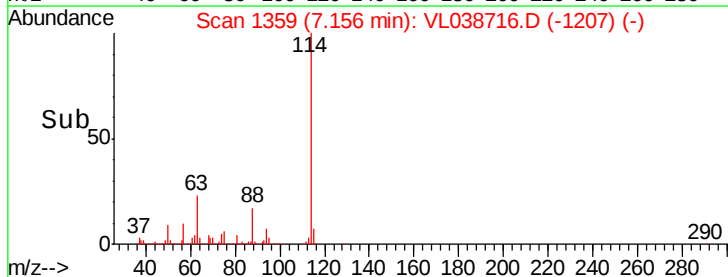
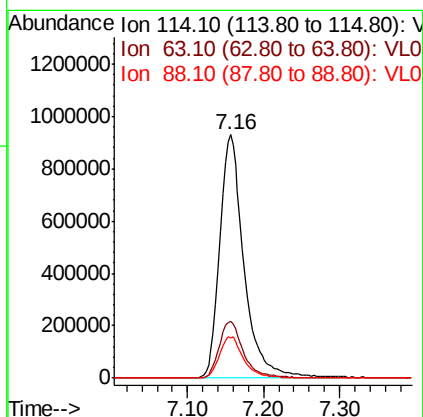
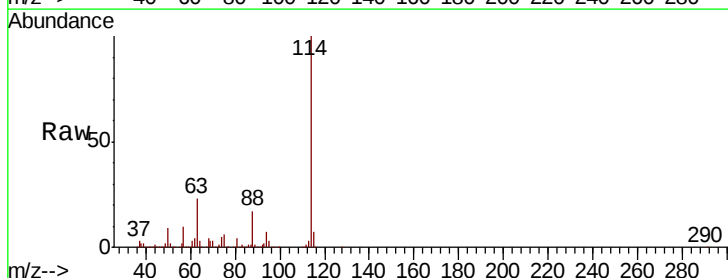
#20
Methylene Chloride
Concen: 0.112 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0323ABL01
Acq: 23 Mar 2022 14:58

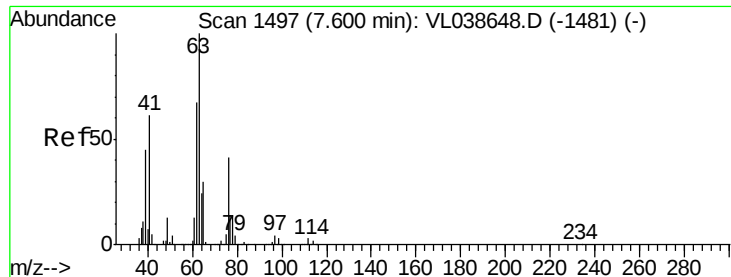
Tot Ion: 84 Resp: 3247
Ion Ratio Lower Upper
84 100
49 104.8 111.2 166.8#
51 41.9 32.8 49.2
86 36.3 51.4 77.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VL038716.D
Acq: 23 Mar 2022 14:56

Tgt Ion: 114 Resp: 2061863
Ion Ratio Lower Upper
114 100
63 23.7 19.4 29.0
88 17.3 13.9 20.9





#39

1,2-Dichloropropane

Concen: 7.663 ppbv

RT: 7.16 Instrument:

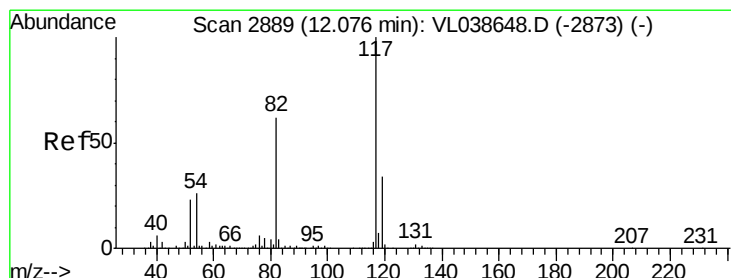
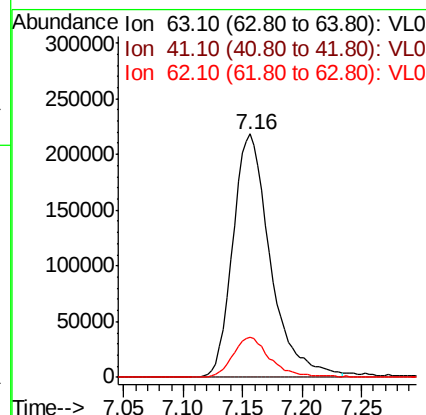
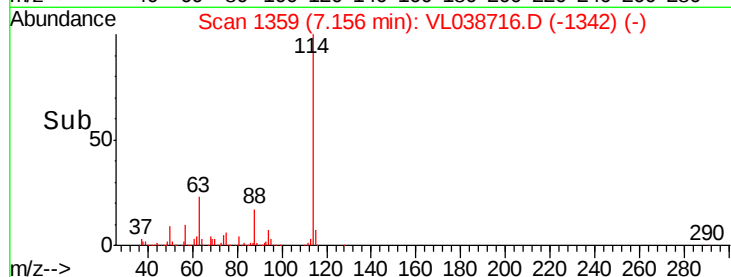
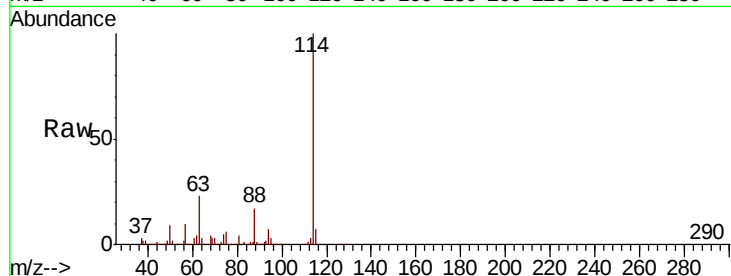
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 14:56

Tot Ion: 63 Resp: 476703

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.0	73.6#
62	16.6	53.9	80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

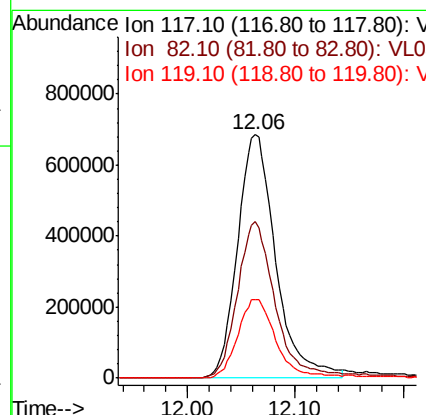
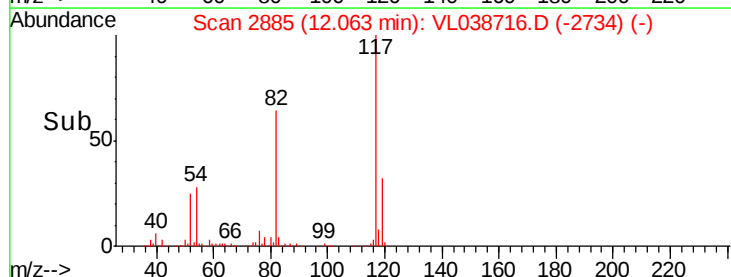
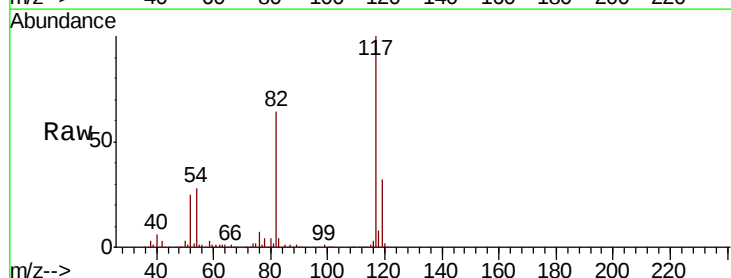
Delta R.T. -0.01 min

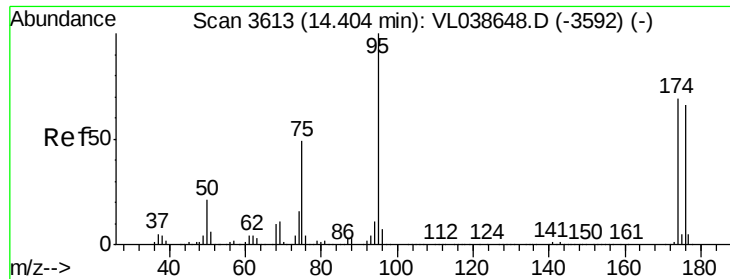
Lab File: VL038716.D

Acq: 23 Mar 2022 14:56

Tgt Ion: 117 Resp: 1692563

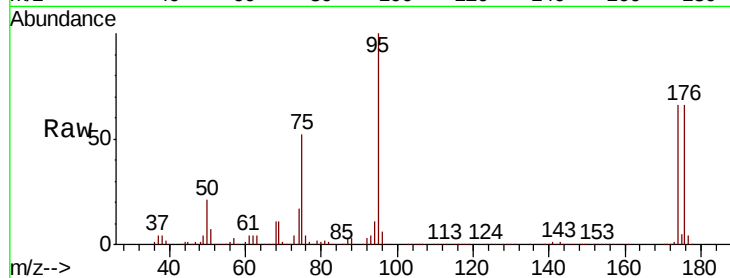
Ion	Ratio	Lower	Upper
117	100		
82	66.8	51.6	77.4
119	34.3	26.9	40.3



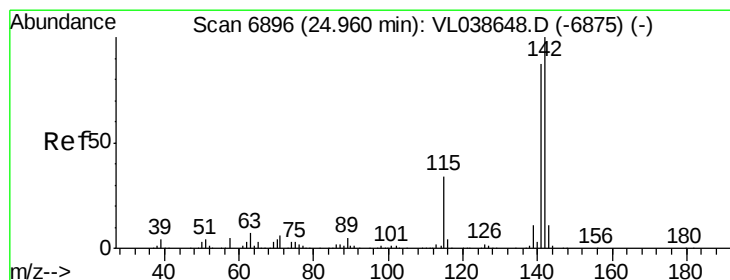
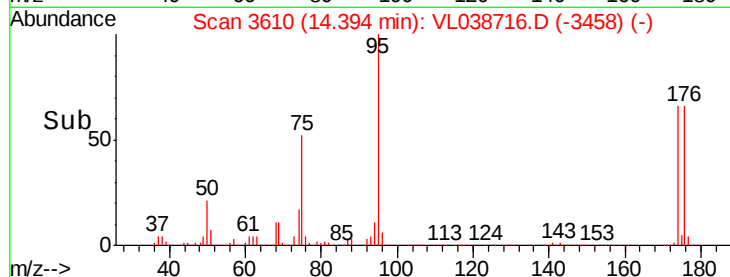
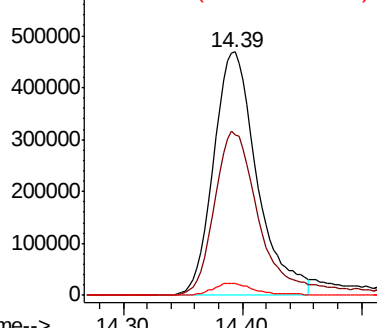


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.132 ppbv
 RT: 14.39 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled : VL0323ABL01
 Acq: 23 Mar 2022 14:58

Tot Ion: 95 Resp: 1184990
 Ion Ratio Lower Upper
 95 100
 174 74.4 56.1 84.1
 175 5.3 4.2 6.2

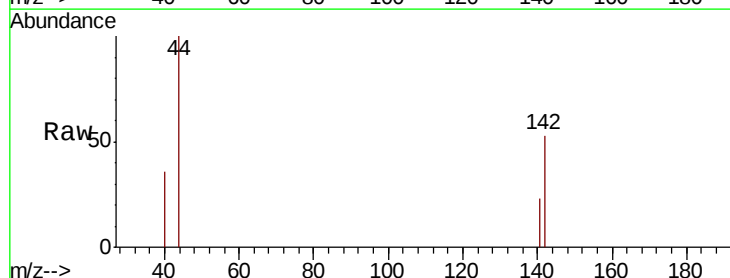


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



#80
 Naphthalene, 2-methyl-
 Concen: 0.033 ppbv
 RT: 24.96 min Scan# 6895
 Delta R.T. -0.00 min
 Lab File: VL038716.D
 Acq: 23 Mar 2022 14:56

Tgt Ion: 142 Resp: 1306
 Ion Ratio Lower Upper
 142 100
 141 23.0 66.4 99.6#
 115 7.2 27.8 41.6#



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

