

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038795.D
 Acq On : 30 Mar 2022 14:47
 Operator : SY/AP
 Sample : VL0330ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:10:38 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	848849	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2321660	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1901234	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1366854	9.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.80%

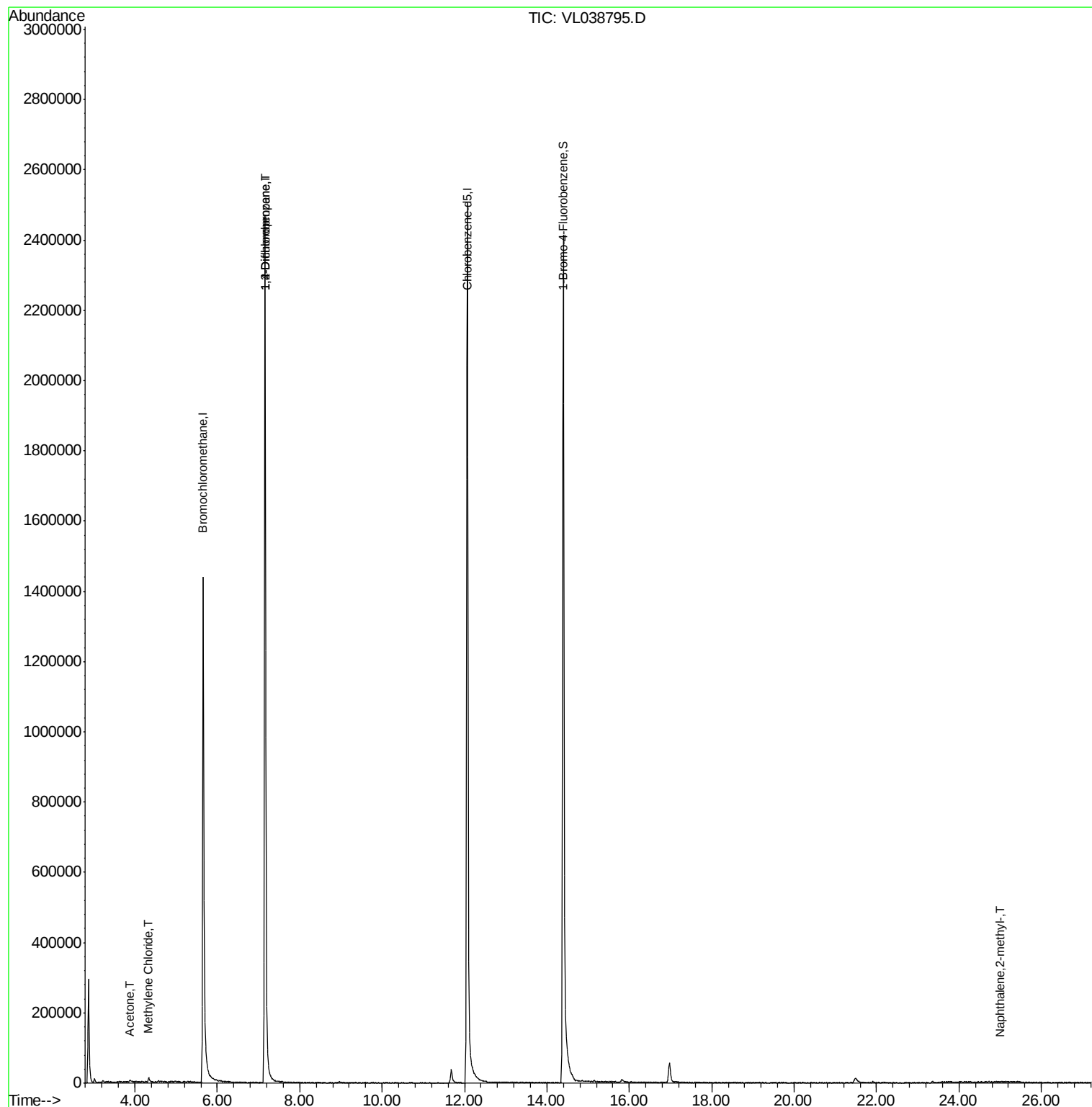
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.88	43	4884	0.067	ppbv #	79
20) Methylene Chloride	4.33	84	2193	0.071	ppbv	87
39) 1,2-Dichloropropane	7.16	63	529651	7.561	ppbv #	28
80) Naphthalene,2-methyl-	25.00	142	1423	0.032	ppbv #	71

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 30 Mar 2022 14:47

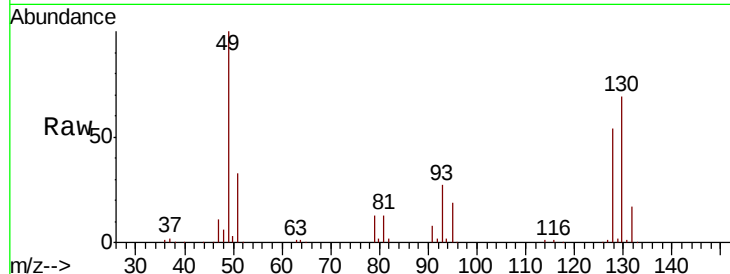
Tot Ion: 49 Resp: 848849

Ion Ratio Lower Upper

49 100

128 56.9 26.2 78.6

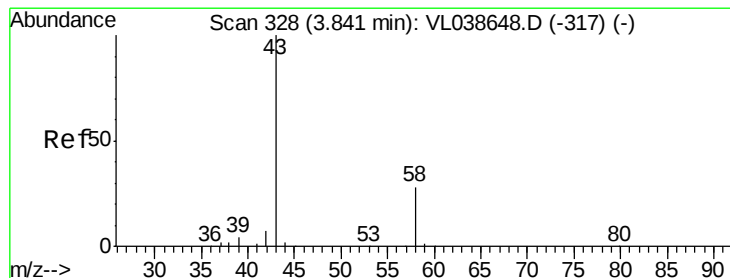
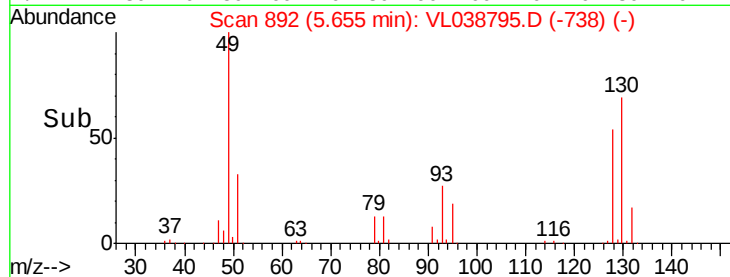
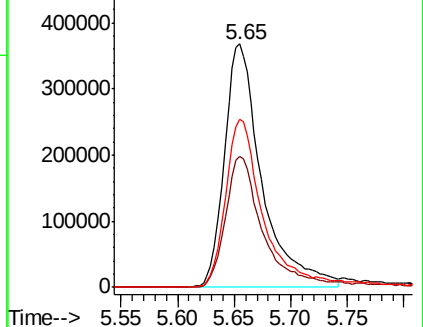
130 73.6 33.7 101.1



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: 0.067 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.04 min

Lab File: VL038795.D

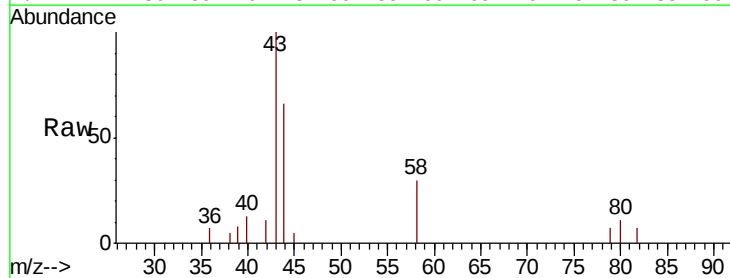
Acq: 30 Mar 2022 14:47

Tgt Ion: 43 Resp: 4884

Ion Ratio Lower Upper

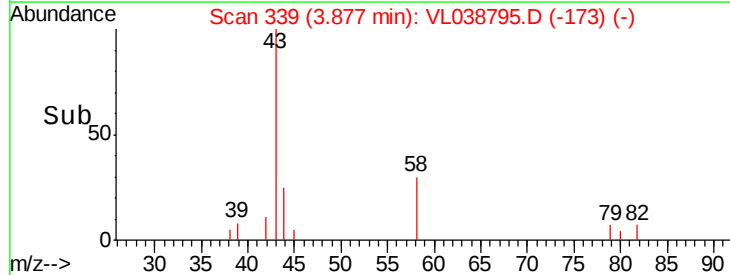
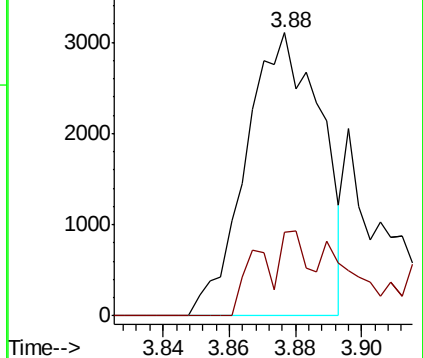
43 100

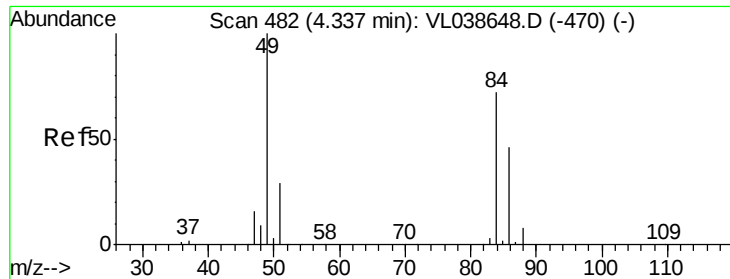
58 40.5 23.3 34.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

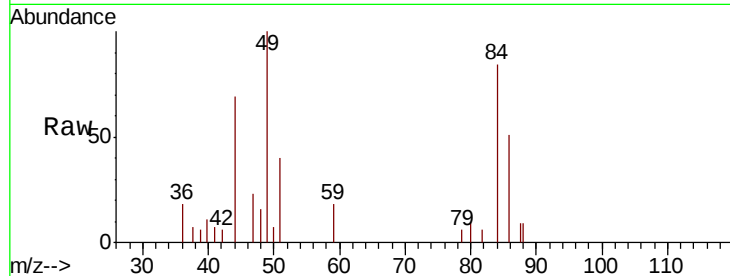
Ion 58.10 (57.80 to 58.80): VL0





#20
Methylene Chloride
Concen: 0.071 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 14:47

Tot Ion:	84	Resp:	2193
Ion	Ratio	Lower	Upper
84	100		
49	118.6	111.2	166.8
51	47.5	32.8	49.2
86	60.2	51.4	77.0



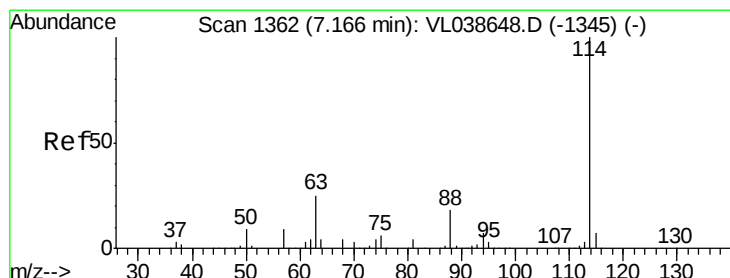
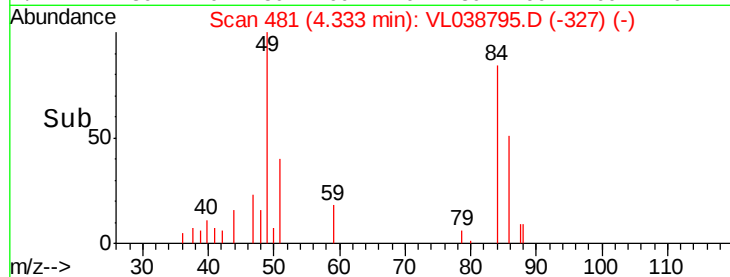
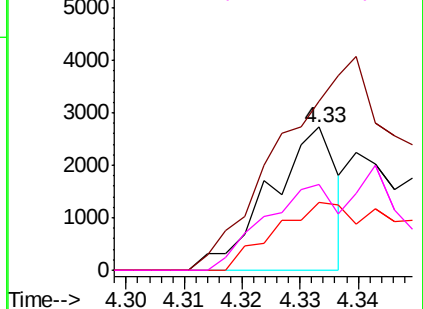
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

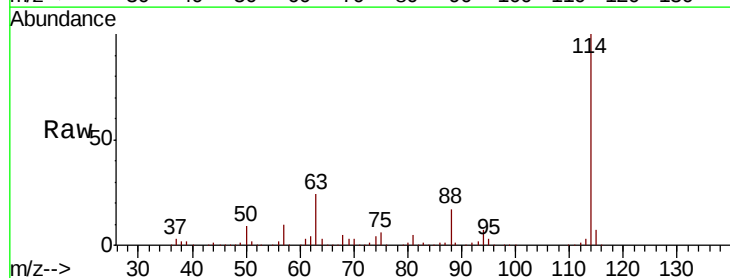
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.01 min
Lab File: VL038795.D
Acq: 30 Mar 2022 14:47

Tgt Ion:	114	Resp:	2321660
Ion	Ratio	Lower	Upper
114	100		
63	23.2	19.4	29.0
88	17.0	13.9	20.9

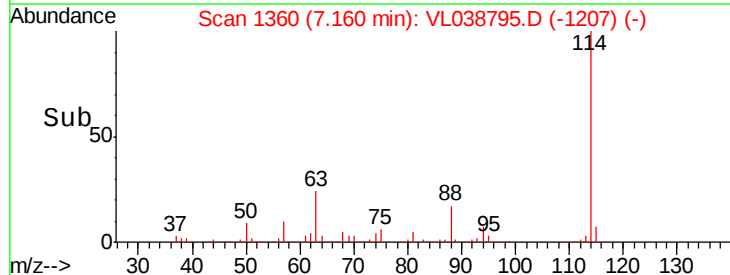
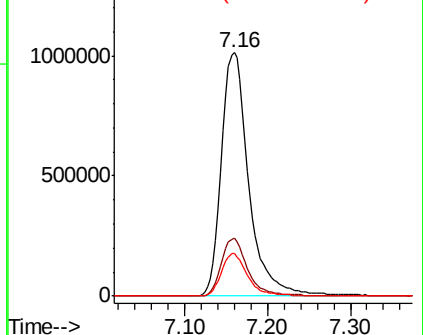


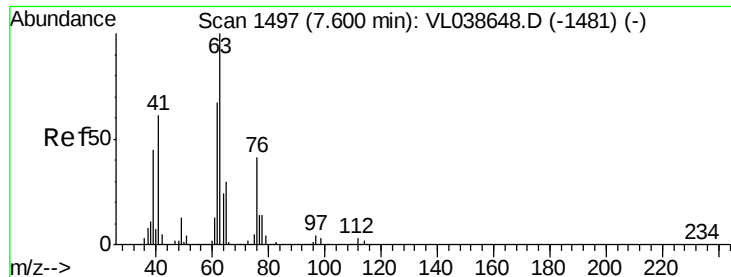
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

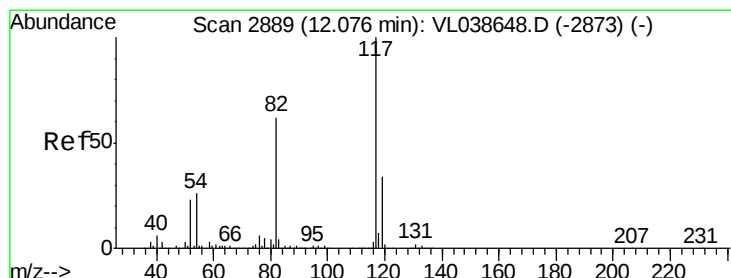
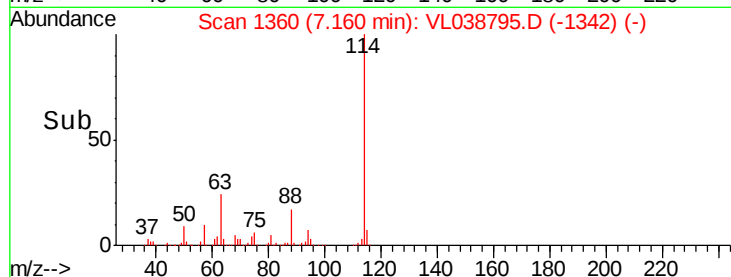
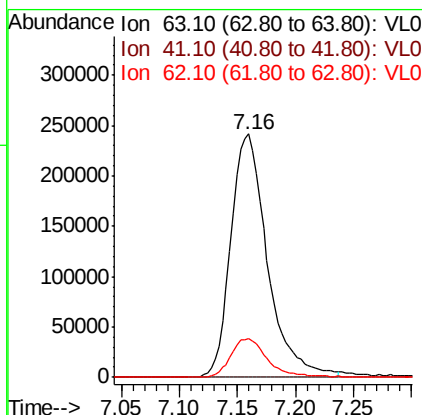
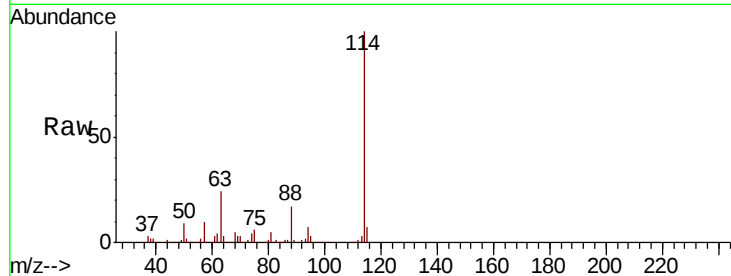
Ion 88.10 (87.80 to 88.80): VL0





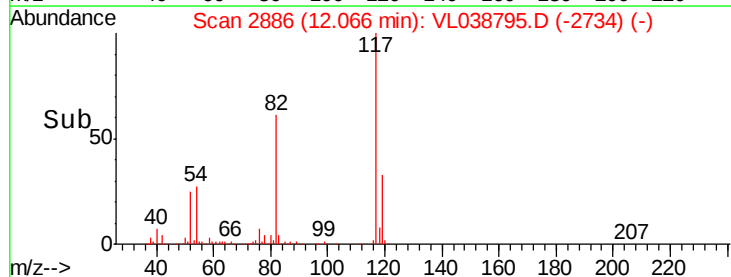
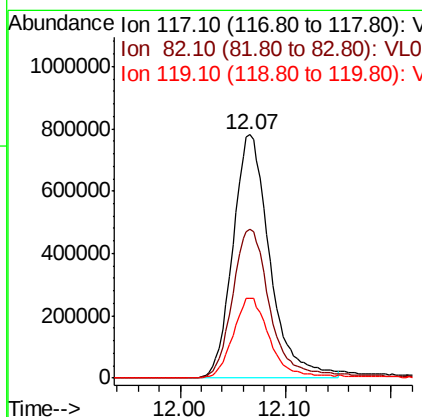
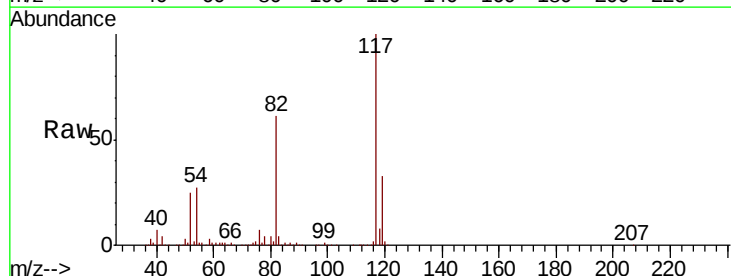
#39
 1,2-Dichloropropane
 Concen: 7.561 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 14:47

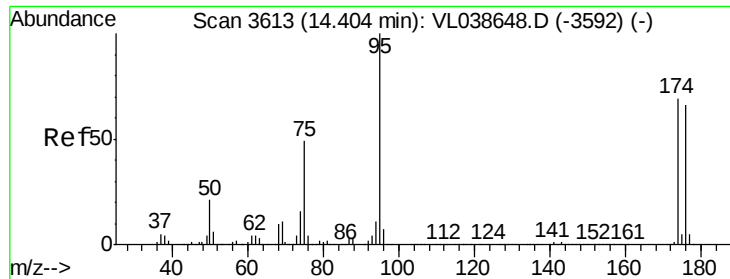
Tot Ion	63	Resp	529651
Ion Ratio	Lower	Upper	
63	100		
41	0.0	49.0	73.6#
62	15.8	53.9	80.9#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. -0.01 min
 Lab File: VL038795.D
 Acq: 30 Mar 2022 14:47

Tgt Ion	117	Resp	1901234
Ion Ratio	Lower	Upper	
117	100		
82	64.6	51.6	77.4
119	34.1	26.9	40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.377 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 14:47

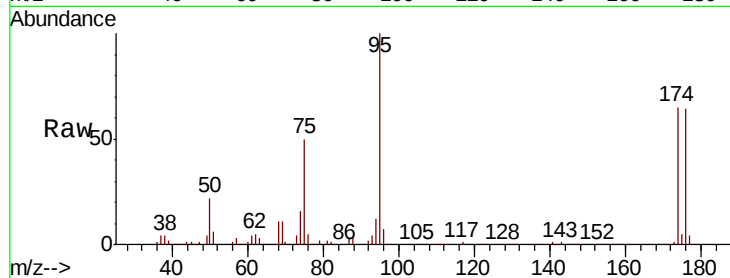
Tot Ion: 95 Resp: 1366854

Ion Ratio Lower Upper

95 100

174 72.6 56.1 84.1

175 5.4 4.2 6.2

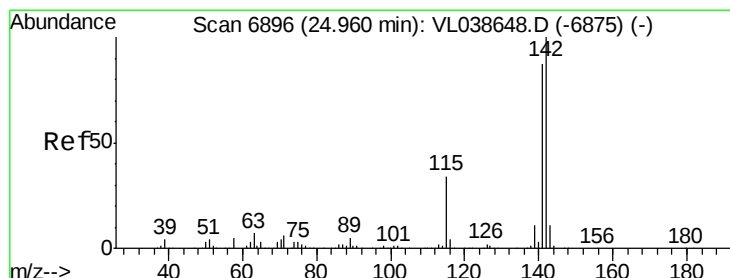
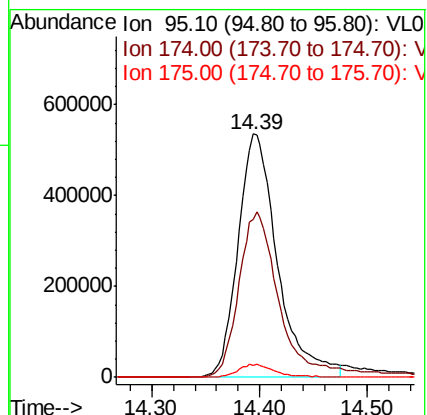
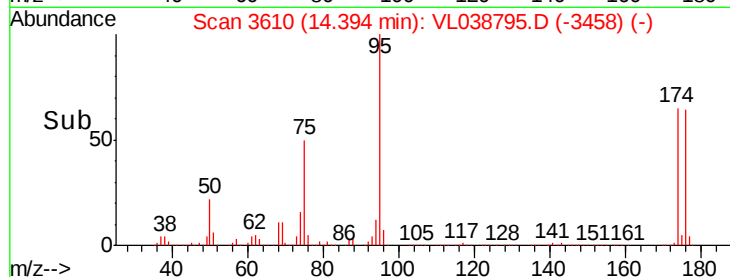


Abundance Ion 95.10 (94.80 to 95.80): VL038648.D (-3592) (-)

Ion 174.00 (173.70 to 174.70): VL038648.D (-3592) (-)

Ion 175.00 (174.70 to 175.70): VL038648.D (-3592) (-)

Time-->



#80

Naphthalene, 2-methyl-

Concen: 0.032 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.04 min

Lab File: VL038795.D

Acq: 30 Mar 2022 14:47

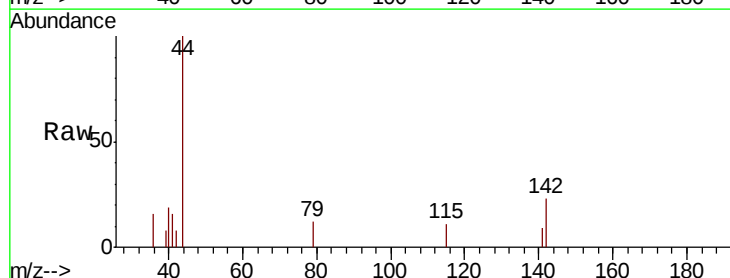
Tgt Ion: 142 Resp: 1423

Ion Ratio Lower Upper

142 100

141 61.8 66.4 99.6#

115 10.9 27.8 41.6#



Abundance Ion 142.00 (141.70 to 142.70): VL038648.D (-6875) (-)

Ion 141.00 (140.70 to 141.70): VL038648.D (-6875) (-)

Ion 115.00 (114.70 to 115.70): VL038648.D (-6875) (-)

Time-->

