

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038718.D
 Acq On : 23 Mar 2022 16:31
 Operator : SY/AP
 Sample : OC032222 CAN 10598
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 24 04:34:10 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	891884	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2301654	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1892844	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1357740	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

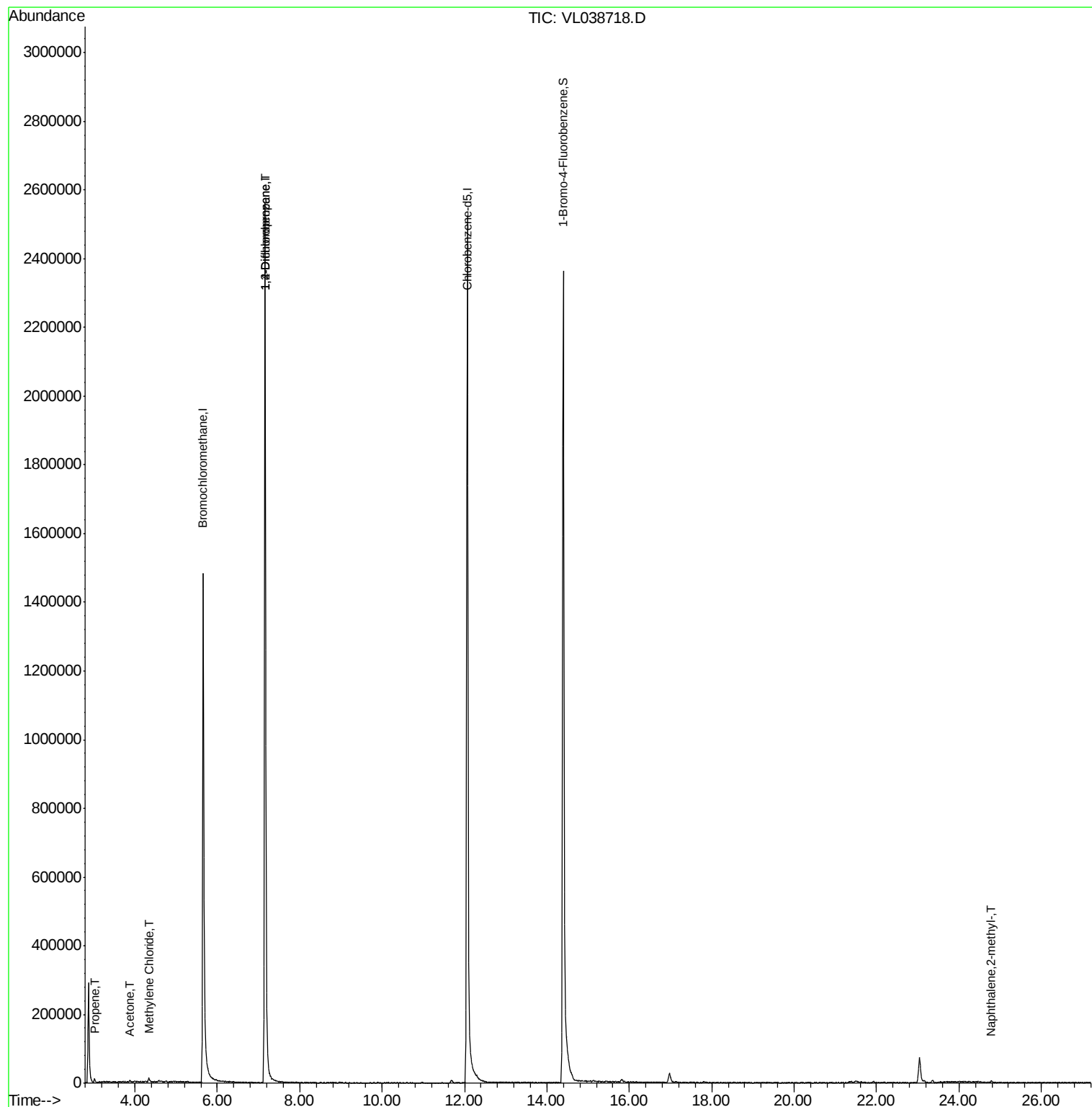
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3105	0.068	ppbv	95
15) Acetone	3.87	43	2623	0.034	ppbv #	46
20) Methylene Chloride	4.34	84	2247	0.069	ppbv #	88
39) 1,2-Dichloropropane	7.16	63	540210	7.779	ppbv #	29
80) Naphthalene,2-methyl-	24.79	142	4114	0.093	ppbv	92

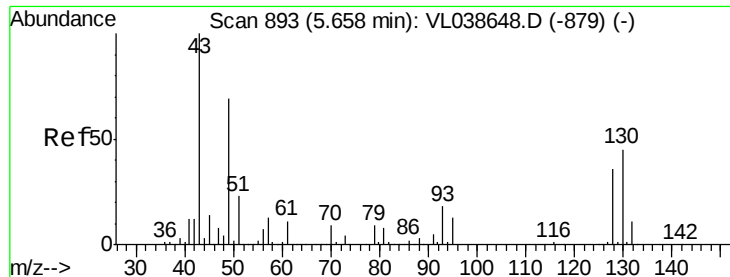
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 16:31

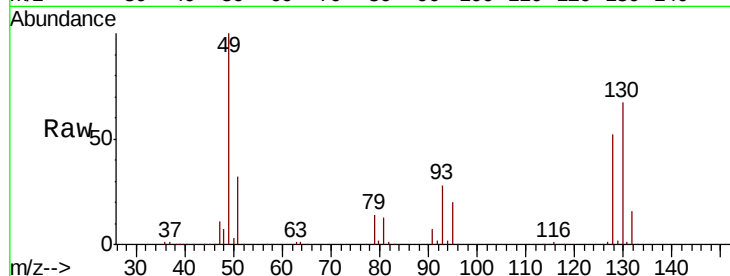
Tot Ion: 49 Resp: 891884

Ion Ratio Lower Upper

49 100

128 54.9 26.2 78.6

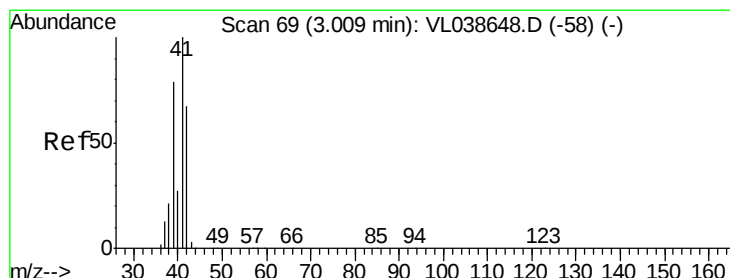
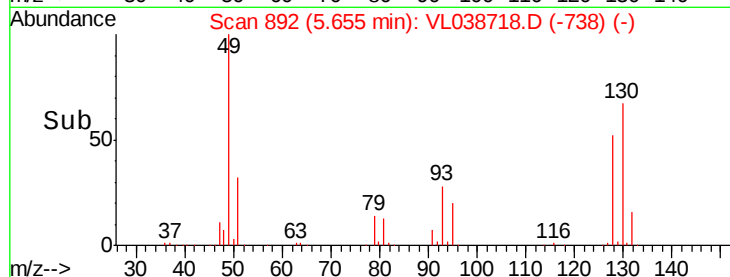
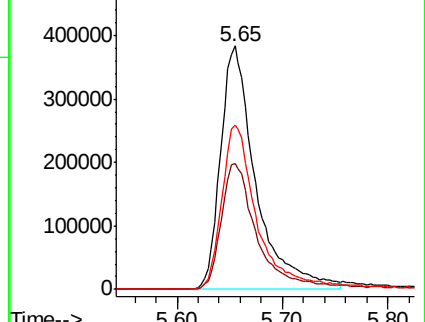
130 69.9 33.7 101.1



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



#9

Propene

Concen: 0.068 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL038718.D

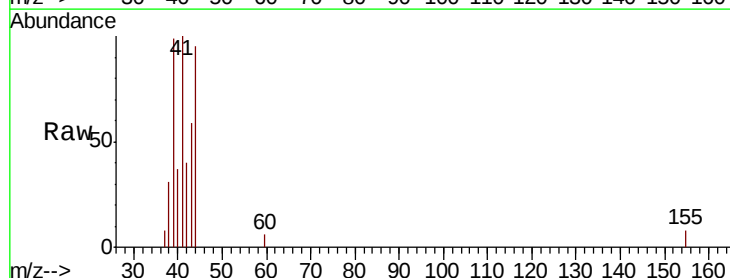
Acq: 23 Mar 2022 16:31

Tgt Ion: 41 Resp: 3105

Ion Ratio Lower Upper

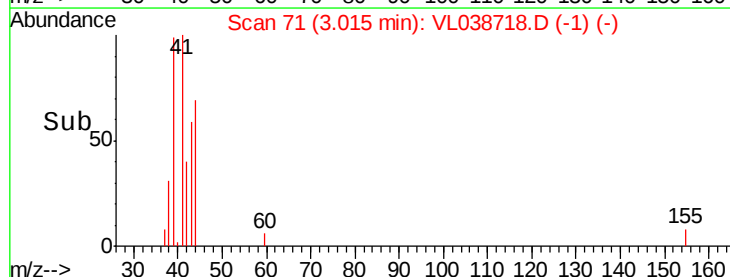
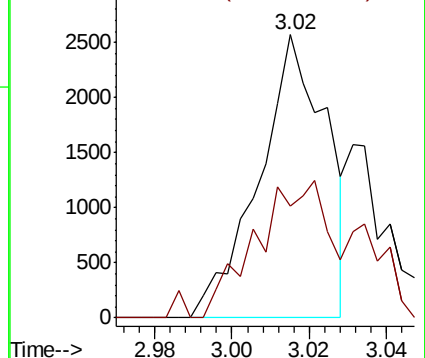
41 100

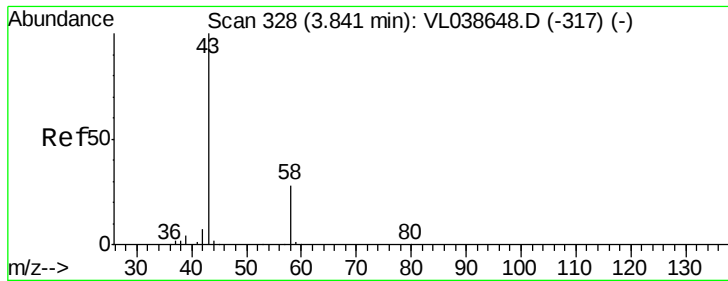
42 74.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

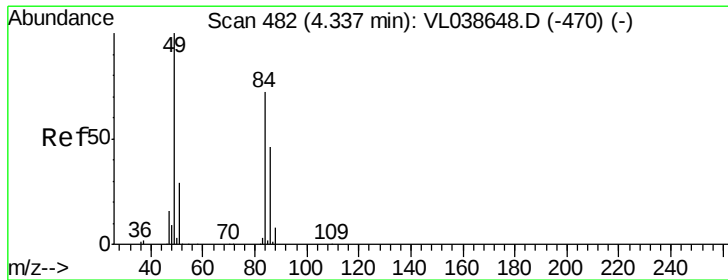
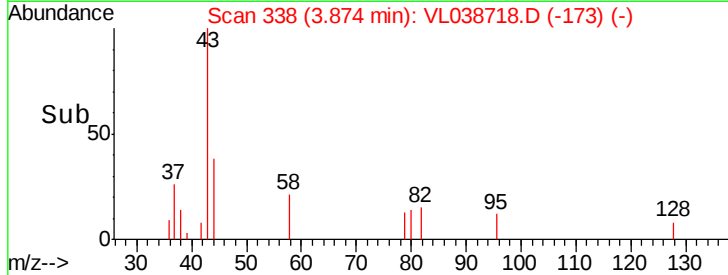
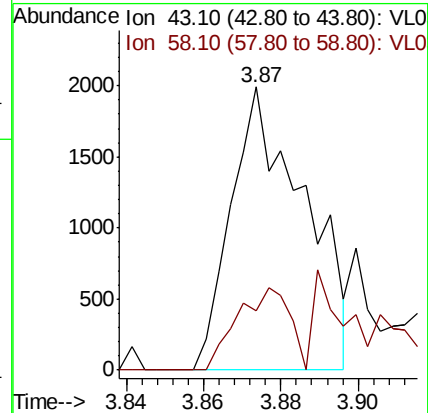
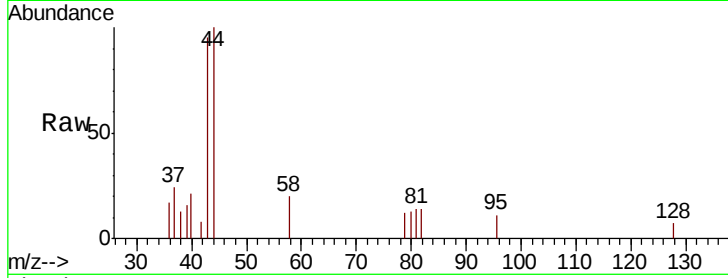
Ion 42.10 (41.80 to 42.80): VL0





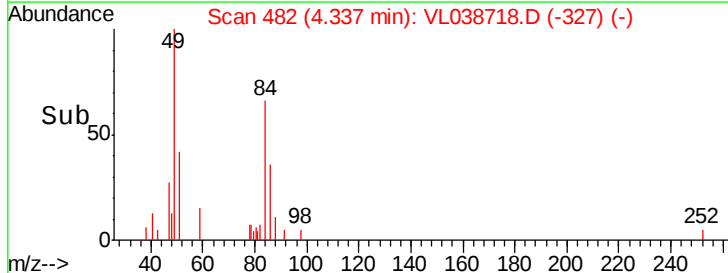
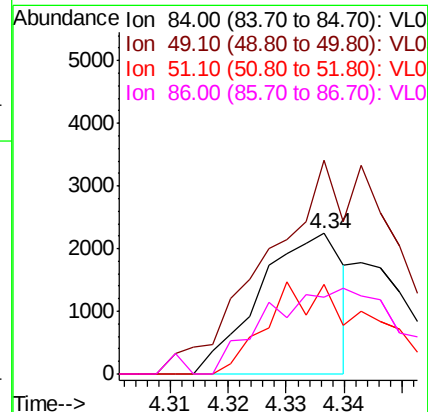
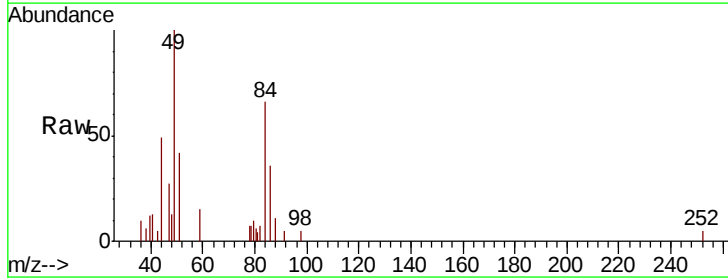
#15
Acetone
Concen: 0.034 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 23 Mar 2022 16:31

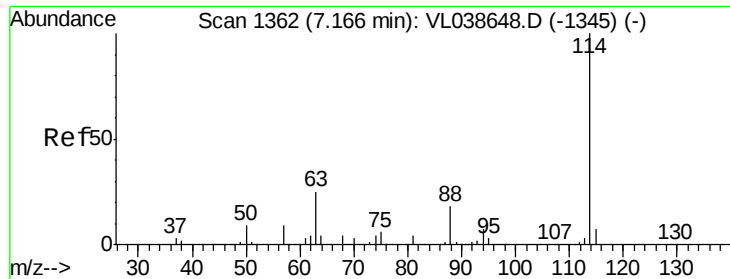
Tot Ion: 43 Resp: 2623
Ion Ratio Lower Upper
43 100
58 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 0.069 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL038718.D
Acq: 23 Mar 2022 16:31

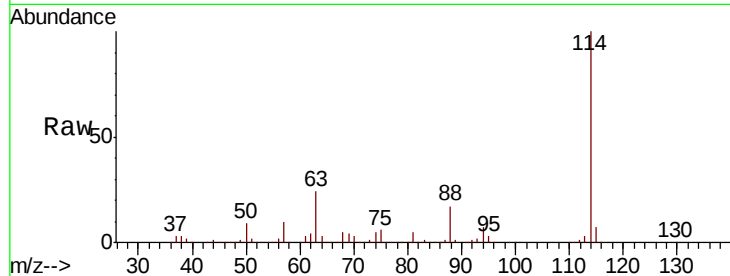
Tgt Ion: 84 Resp: 2247
Ion Ratio Lower Upper
84 100
49 132.4 111.2 166.8
51 63.8 32.8 49.2#
86 54.9 51.4 77.0



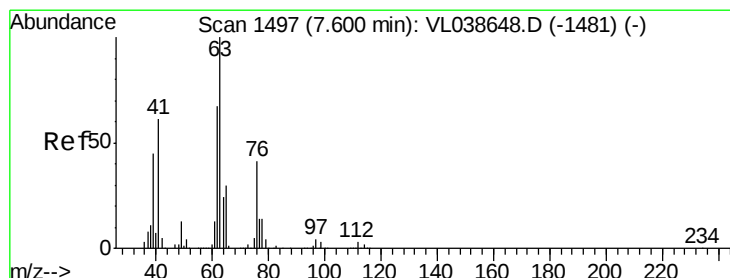
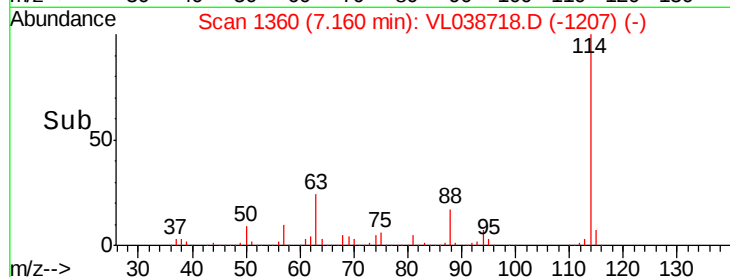
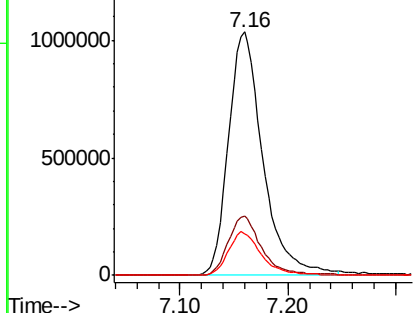


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 16:31

Tot Ion:114 Resp: 2301654
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.4 29.0
 88 17.6 13.9 20.9

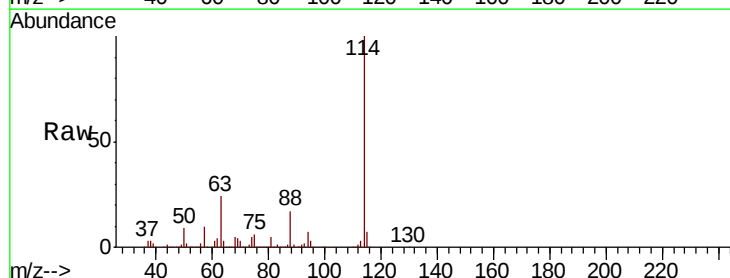


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

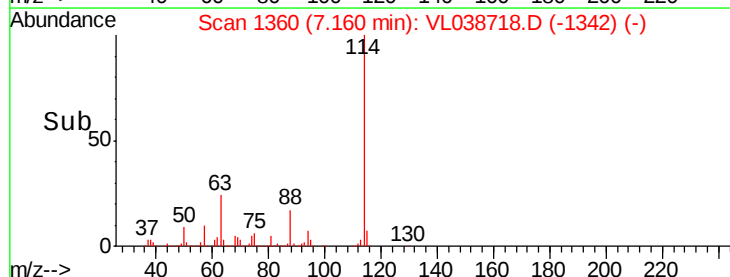
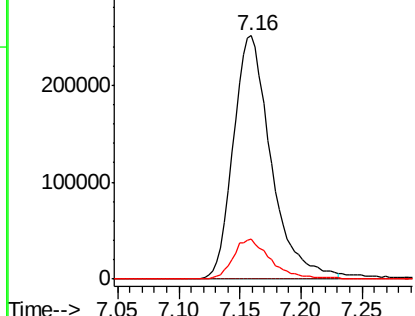


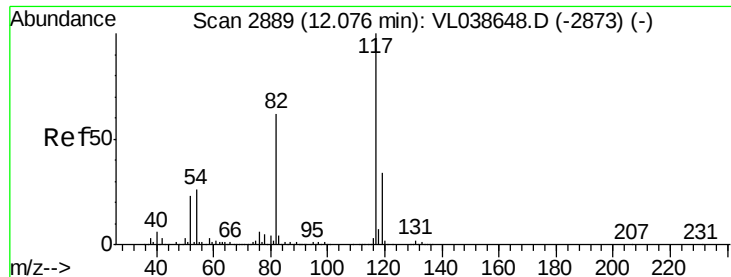
#39
 1,2-Dichloropropane
 Concen: 7.779 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL038718.D
 Acq: 23 Mar 2022 16:31

Tgt Ion: 63 Resp: 540210
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.0 73.6#
 62 16.4 53.9 80.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

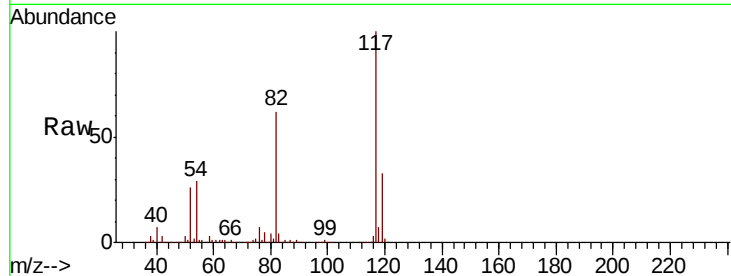




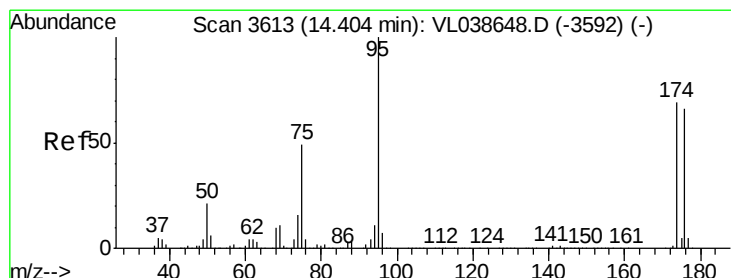
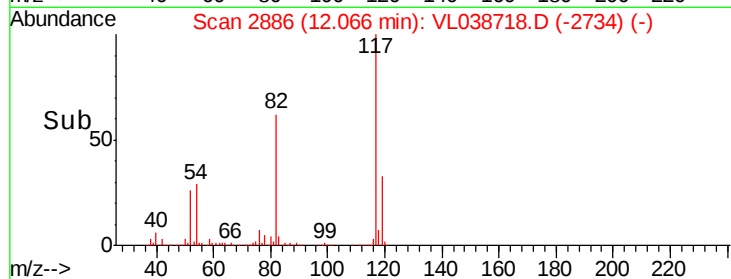
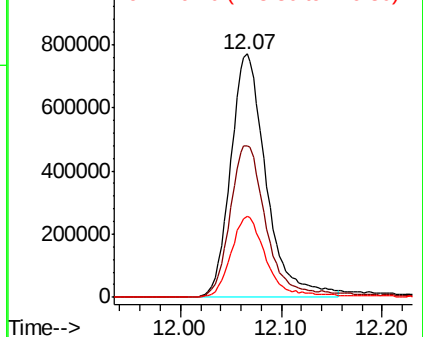
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 23 Mar 2022 16:31

Tot Ion: 117 Resp: 1892844

Ion	Ratio	Lower	Upper
117	100		
82	66.7	51.6	77.4
119	34.2	26.9	40.3



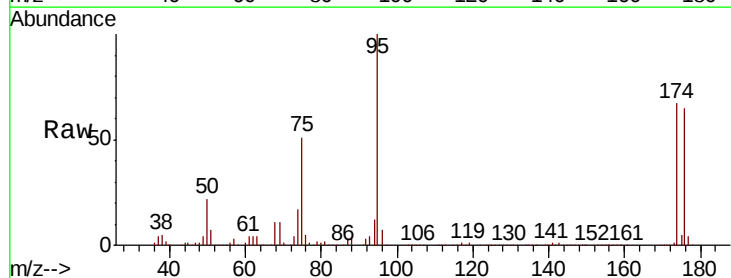
Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V



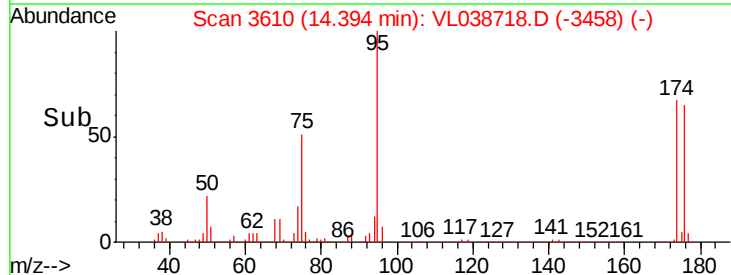
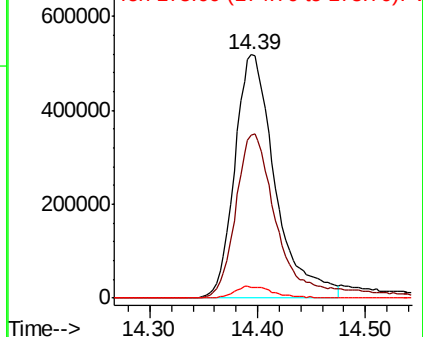
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.356 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T.: -0.01 min
 Lab File: VL038718.D
 Acq: 23 Mar 2022 16:31

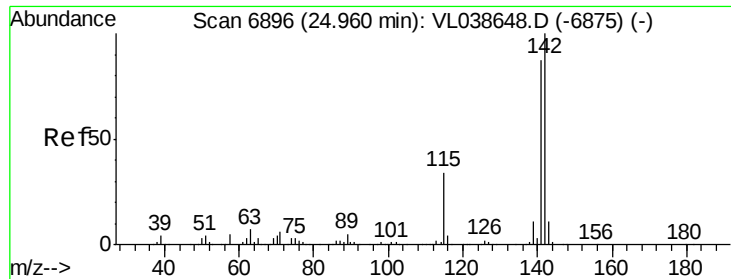
Tgt Ion: 95 Resp: 1357740

Ion	Ratio	Lower	Upper
95	100		
174	72.7	56.1	84.1
175	5.2	4.2	6.2



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





#80
 Naphthalene, 2-methyl-
 Concen: 0.093 ppbv
 RT: 24.79
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 10:31

Tot Ion:	142	Resp:	4114
Ion	Ratio	Lower	Upper
142	100		
141	91.8	66.4	99.6
115	36.8	27.8	41.6

