

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038750.D
 Acq On : 24 Mar 2022 16:27
 Operator : SY/AP
 Sample : VL0324ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0324ABL01

Quant Time: Mar 25 02:08:29 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	5.68	49	917905	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2469702	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2054121	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1511887	9.60	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

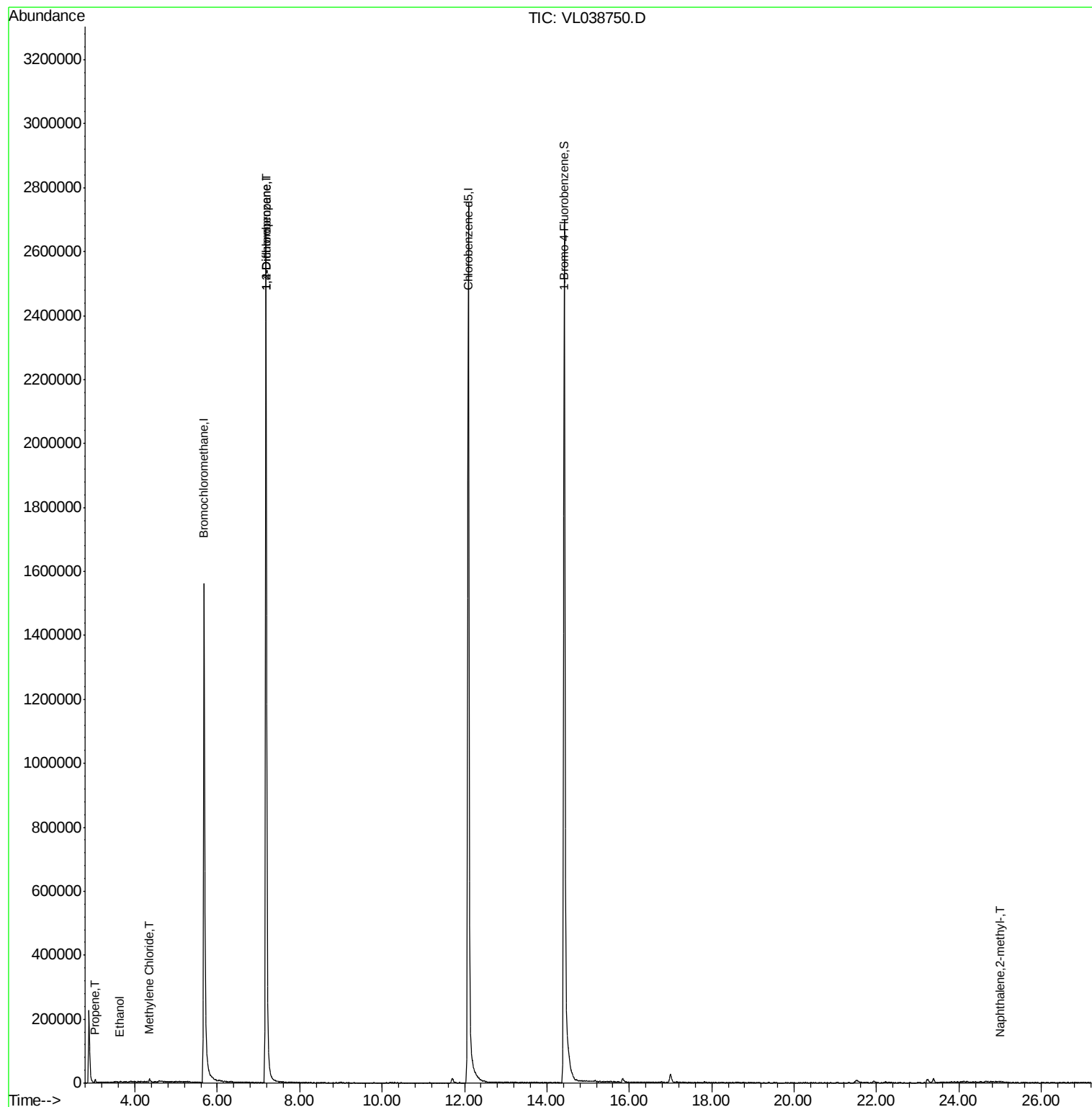
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.03	41	1878	0.04	ppbv #	67
13) Ethanol	3.63	45	159	0.03	ppbv	75
20) Methylene Chloride	4.35	84	1419	0.04	ppbv #	64
39) 1,2-Dichloropropane	7.18	63	569409	7.64	ppbv #	28
80) Naphthalene,2-methyl-	25.01	142	2833	0.06	ppbv #	50

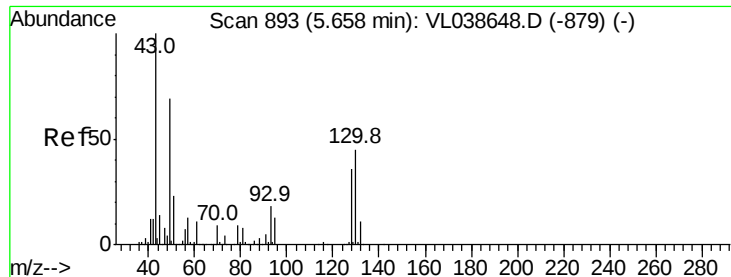
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0324ABL01

Acq: 24 Mar 2022 16:27

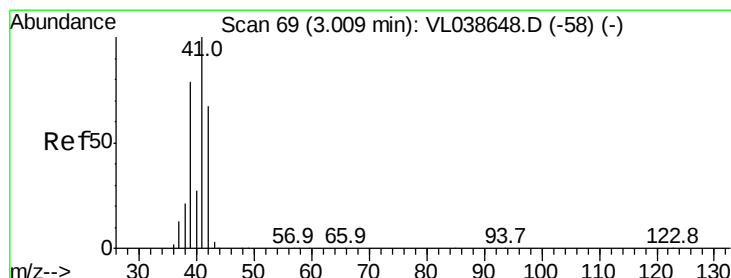
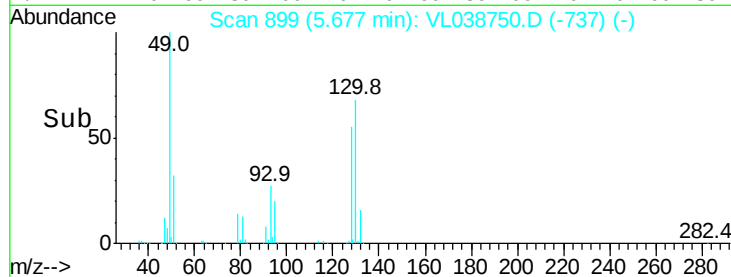
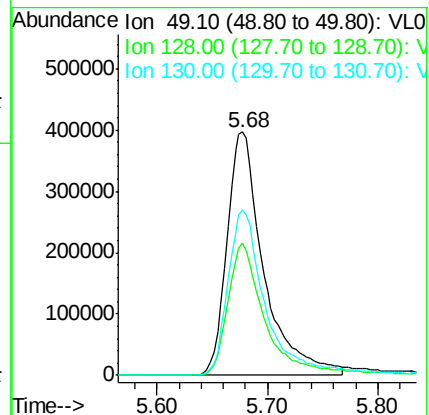
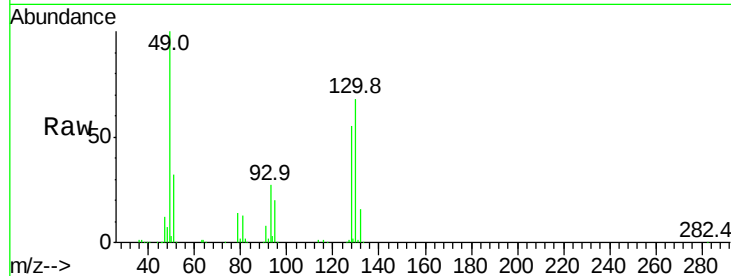
Tgt Ion: 49 Resp: 917905

Ion Ratio Lower Upper

49 100

128 55.8 26.2 78.6

130 72.1 33.7 101.1



#9

Propene

Concen: 0.04 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.03 min

Lab File: VL038750.D

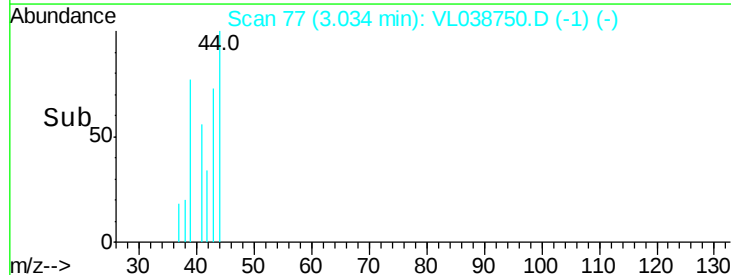
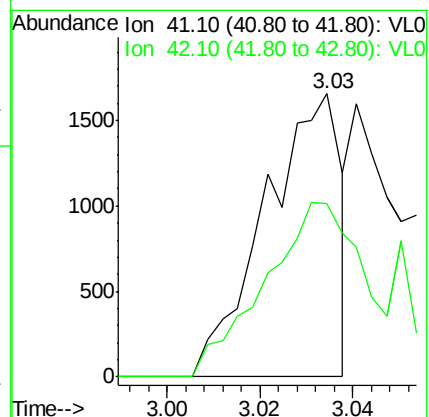
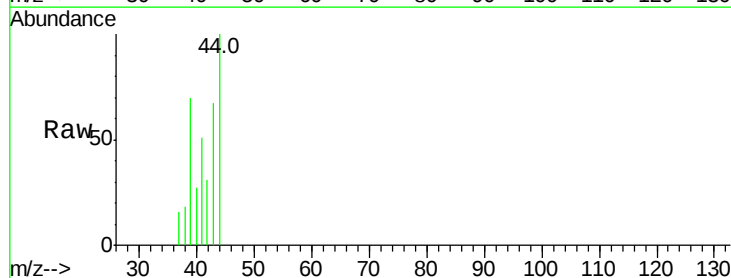
Acq: 24 Mar 2022 16:27

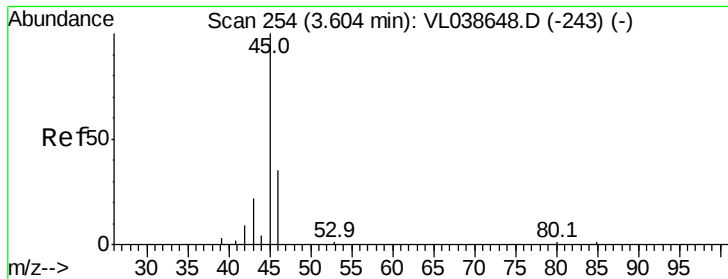
Tgt Ion: 41 Resp: 1878

Ion Ratio Lower Upper

41 100

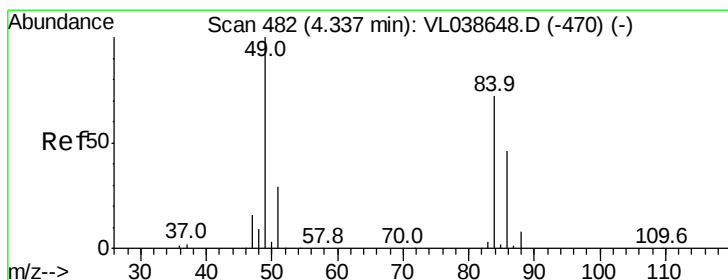
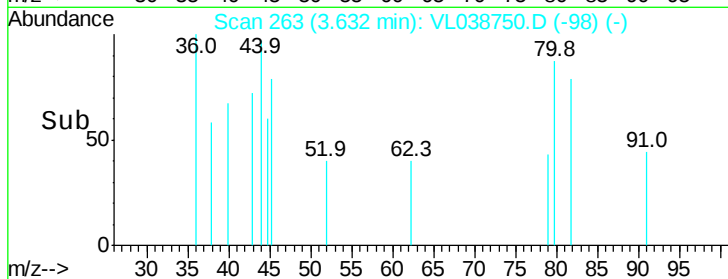
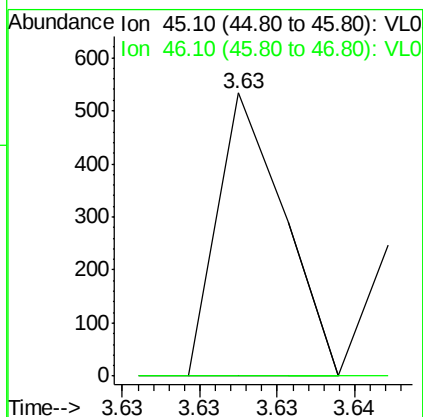
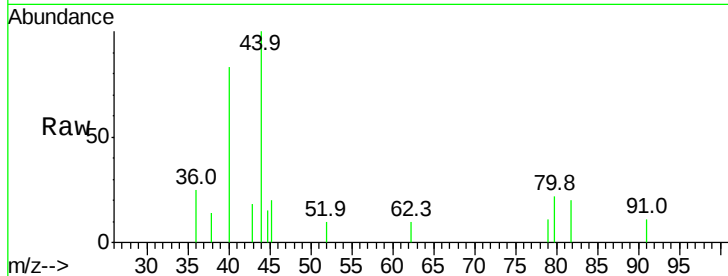
42 97.3 56.2 84.4#





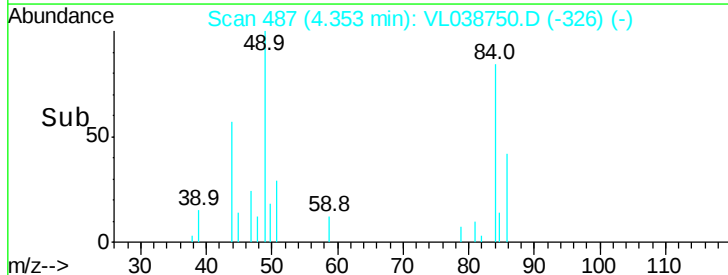
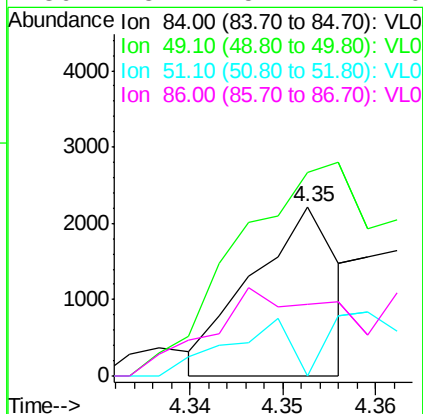
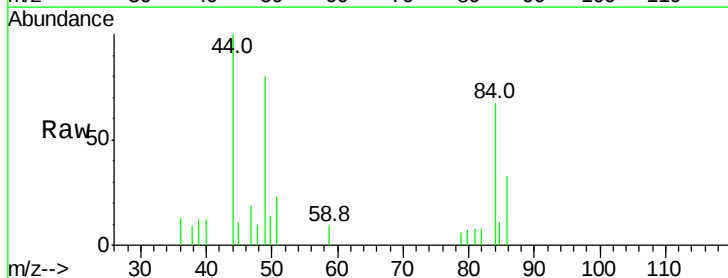
#13
Ethanol
Concen: 0.03 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0324ABL01
Acq: 24 Mar 2022 16:27

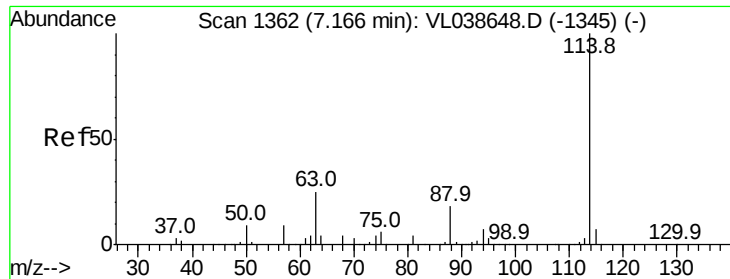
Tgt Ion: 45 Resp: 159
Ion Ratio Lower Upper
45 100
46 22.6 15.1 60.5



#20
Methylene Chloride
Concen: 0.04 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL038750.D
Acq: 24 Mar 2022 16:27

Tgt Ion: 84 Resp: 1419
Ion Ratio Lower Upper
84 100
49 114.3 111.2 166.8
51 0.0 32.8 49.2#
86 25.1 51.4 77.0#

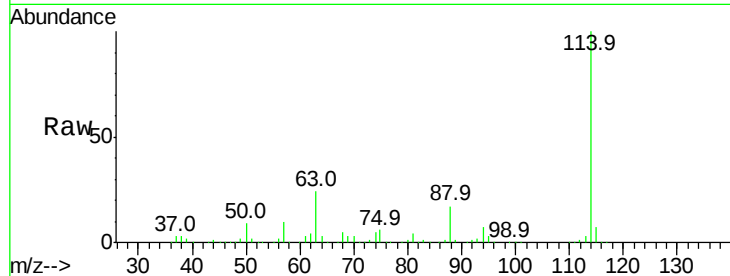




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0324ABL01
 Acq: 24 Mar 2022 16:27

Tgt Ion: 114 Resp: 2469702

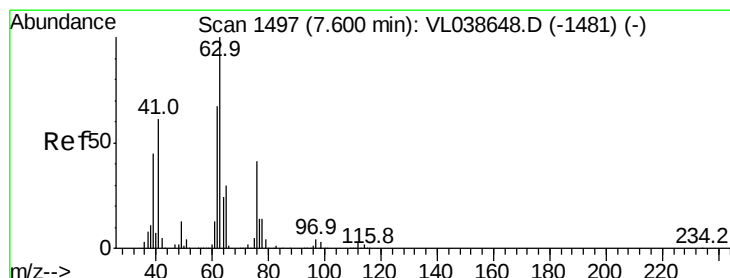
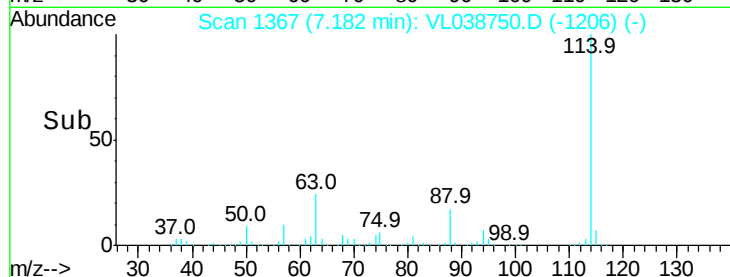
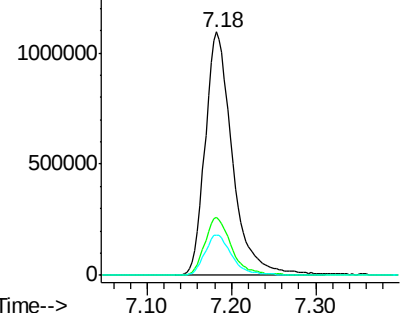
Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.4	29.0
88	16.8	13.9	20.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

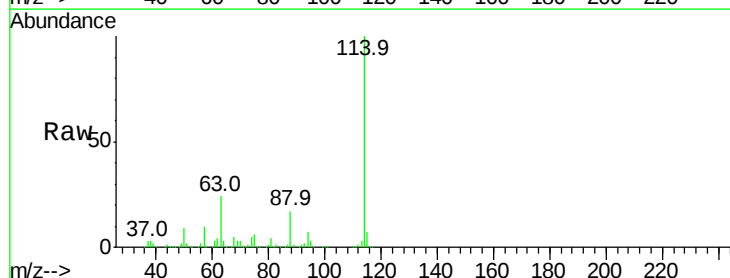
Ion 88.10 (87.80 to 88.80): VL0



#39
 1,2-Dichloropropane
 Concen: 7.64 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.42 min
 Lab File: VL038750.D
 Acq: 24 Mar 2022 16:27

Tgt Ion: 63 Resp: 569409

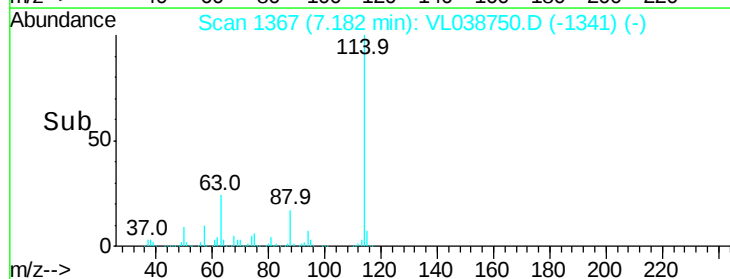
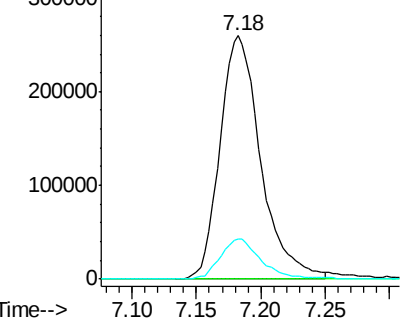
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	16.2	53.9	80.9#

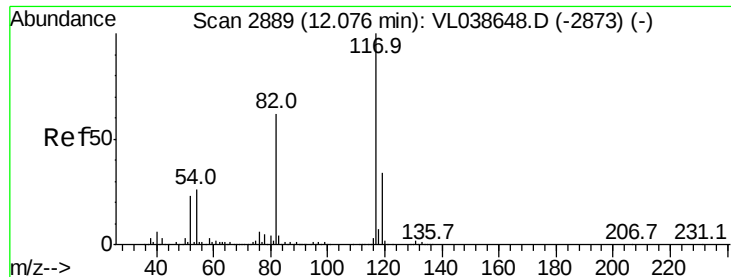


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

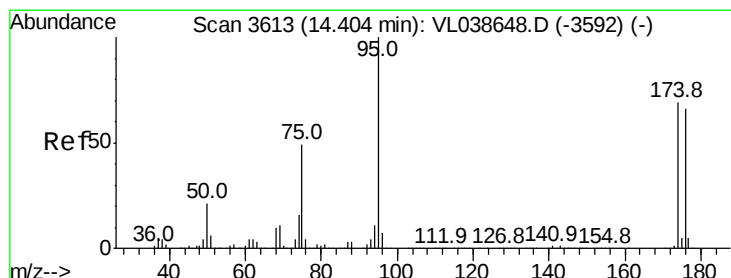
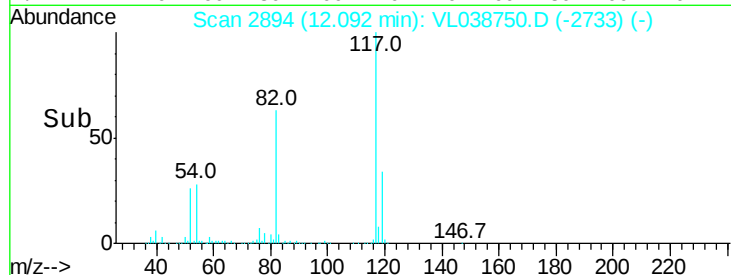
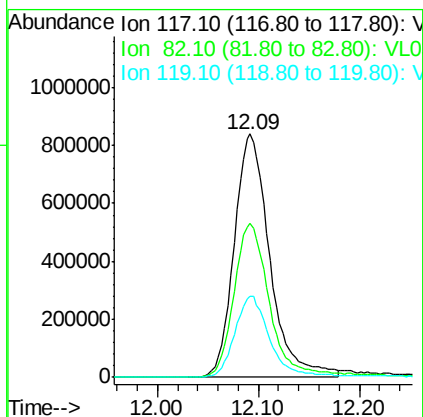
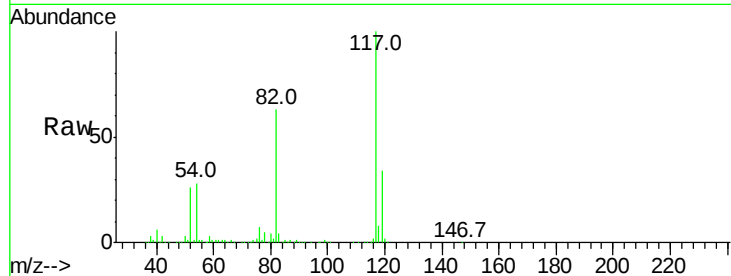




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0324ABL01
Acq: 24 Mar 2022 16:27

Tgt Ion: 117 Resp: 2054121

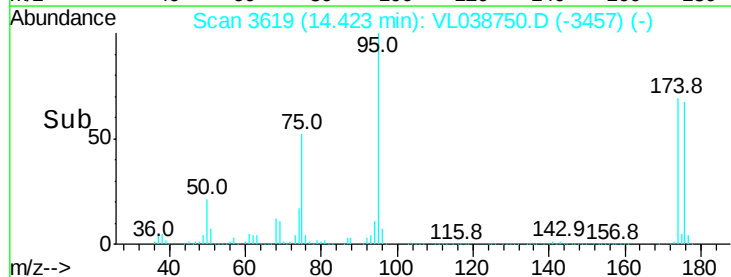
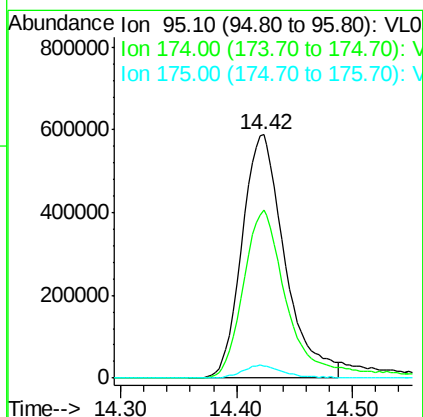
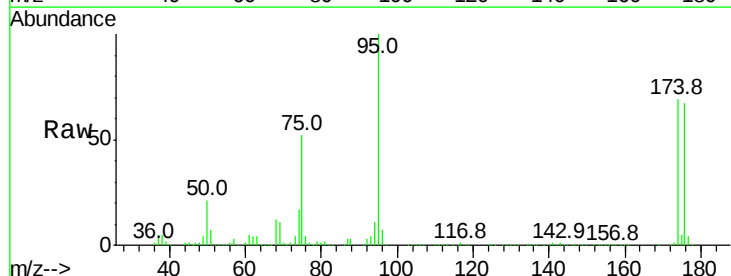
Ion	Ratio	Lower	Upper
117	100		
82	66.0	51.6	77.4
119	34.2	26.9	40.3

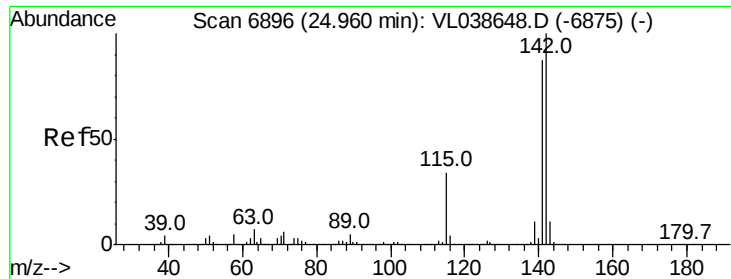


#68
1-Bromo-4-Fluorobenzene
Concen: 9.60 ppbv
RT: 14.42 min Scan# 3619
Delta R.T.: 0.02 min
Lab File: VL038750.D
Acq: 24 Mar 2022 16:27

Tgt Ion: 95 Resp: 1511887

Ion	Ratio	Lower	Upper
95	100		
174	73.9	56.1	84.1
175	5.3	4.2	6.2





#80

Naphthalene, 2-methyl-

Concen: 0.06 ppbv

RT: 25.01

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 18:27

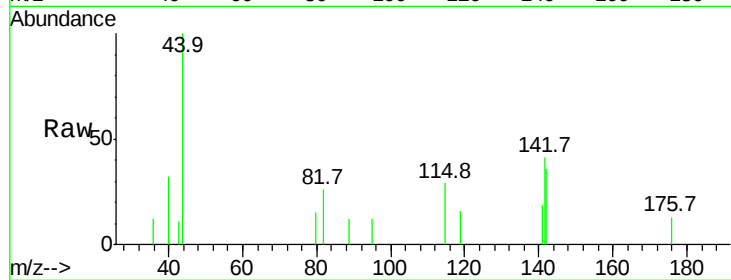
Tgt Ion: 142 Resp: 2833

Ion Ratio Lower Upper

142 100

141 25.1 66.4 99.6#

115 25.4 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

