

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038495.D
 Acq On : 2 Mar 2022 23:29
 Operator : SY/AP
 Sample : CAN 10454
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10454

Quant Time: Mar 03 00:09:31 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	830963	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	1963975	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1704620	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1373193	9.74	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

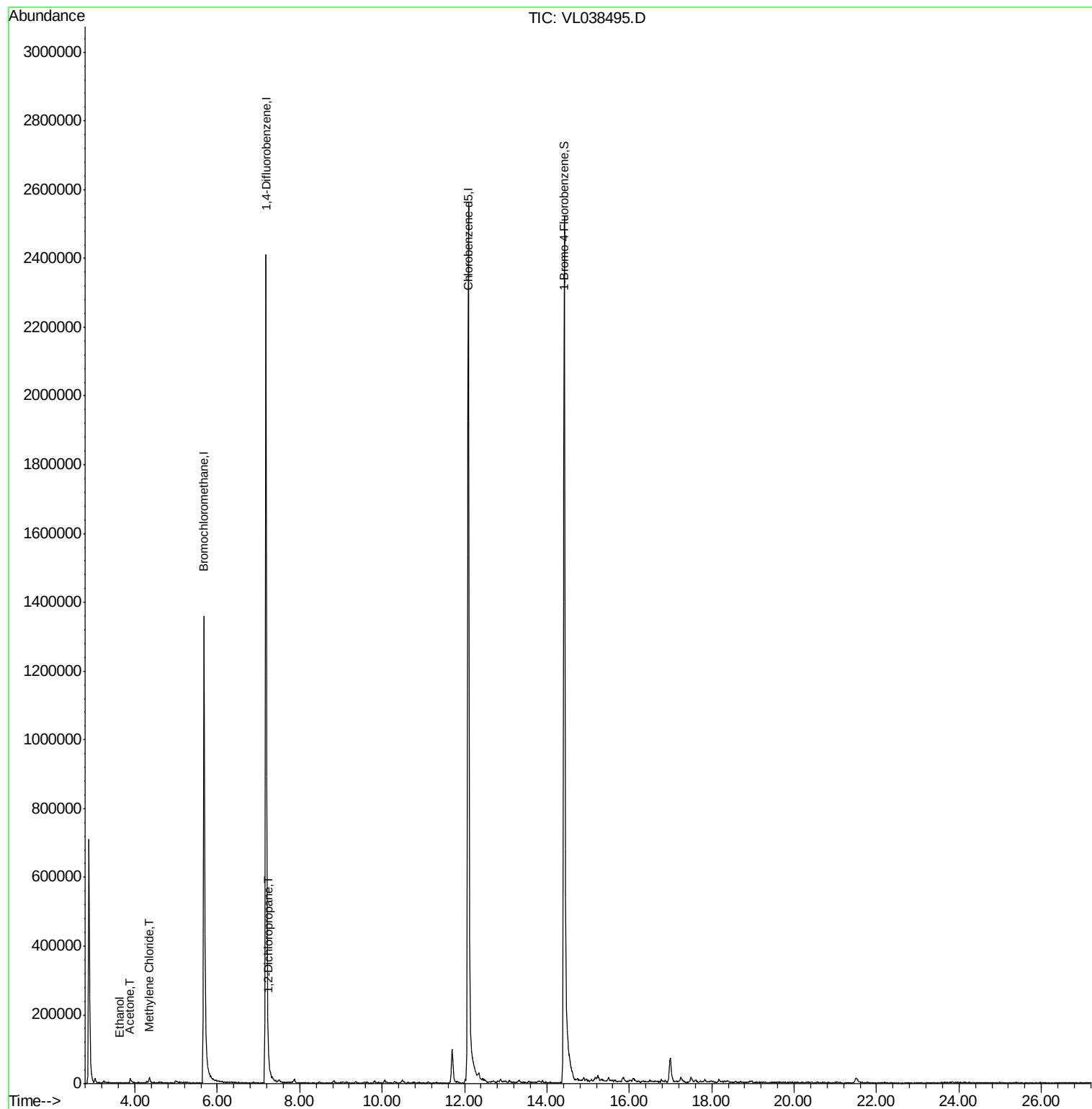
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	154	0.03	ppbv #	31
15) Acetone	3.88	43	11247	0.16	ppbv #	48
20) Methylene Chloride	4.36	84	5037	0.14	ppbv #	79
39) 1,2-Dichloropropane	7.24	63	6198	0.09	ppbv #	24

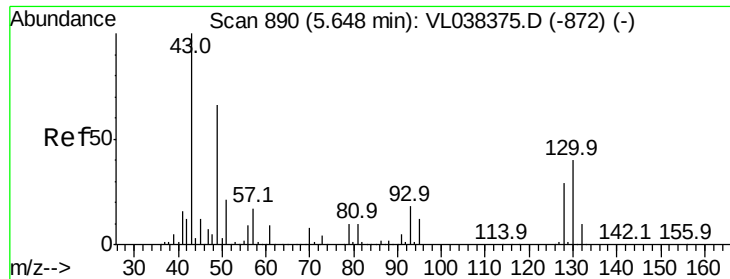
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 23:29

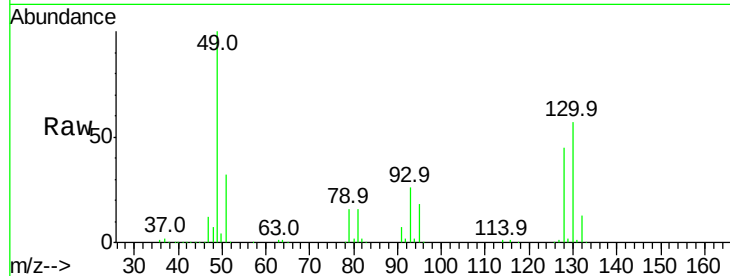
Tgt Ion: 49 Resp: 830963

Ion Ratio Lower Upper

49 100

128 45.2 24.3 72.9

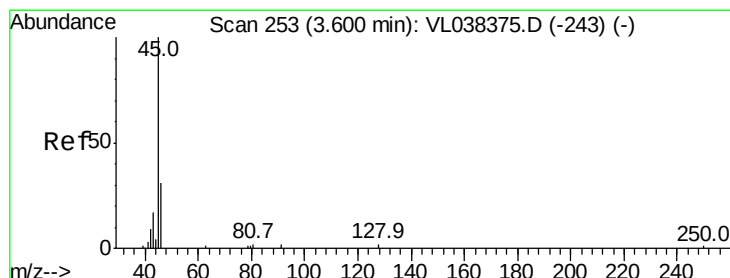
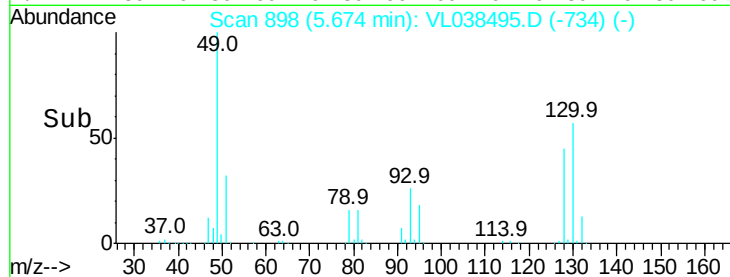
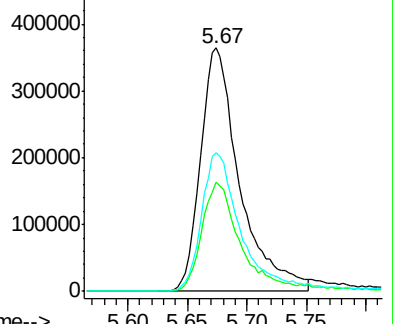
130 60.5 30.1 90.5



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



#13

Ethanol

Concen: 0.03 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.03 min

Lab File: VL038495.D

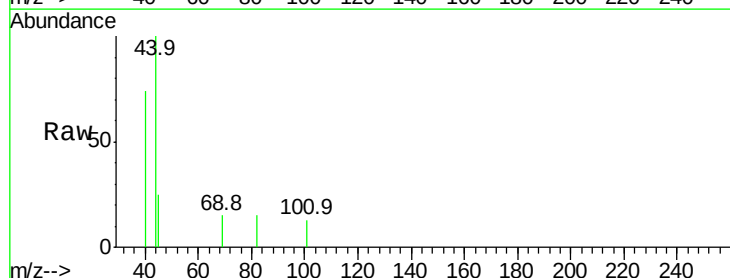
Acq: 2 Mar 2022 23:29

Tgt Ion: 45 Resp: 154

Ion Ratio Lower Upper

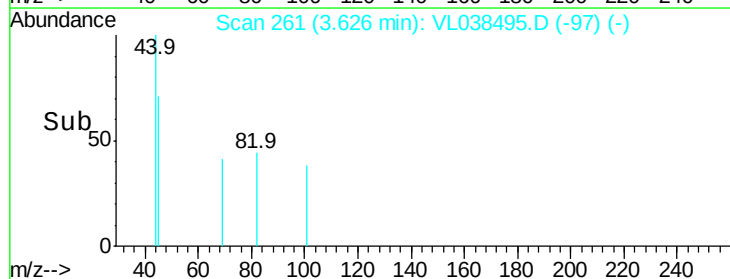
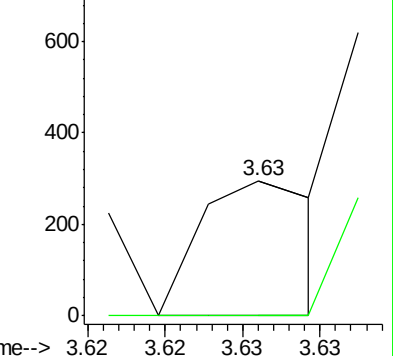
45 100

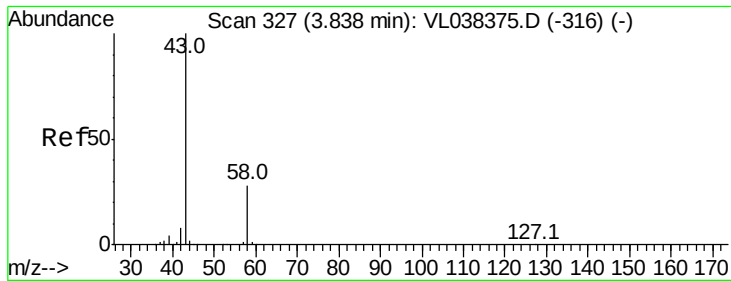
46 0.0 18.2 72.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.16 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

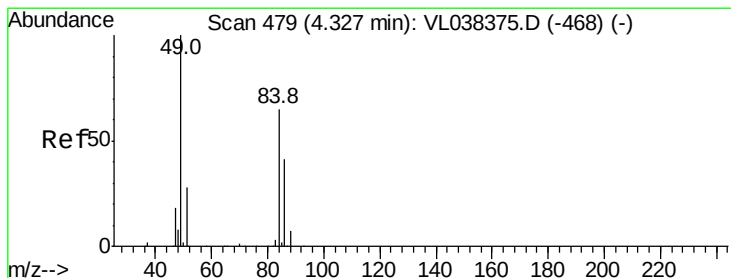
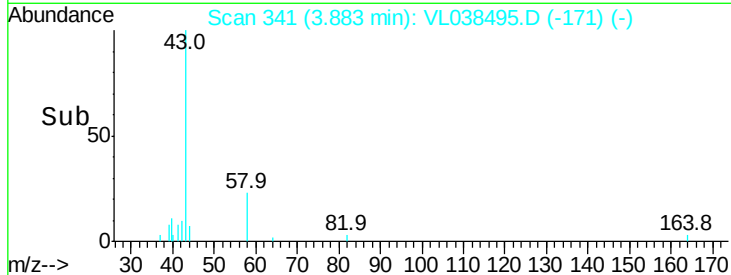
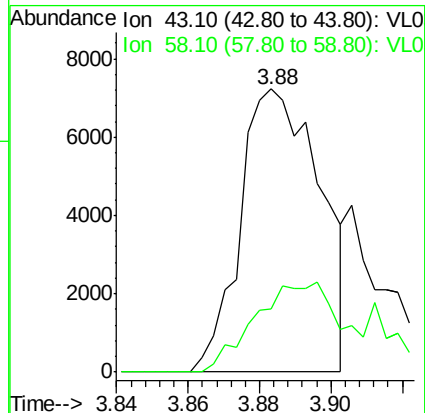
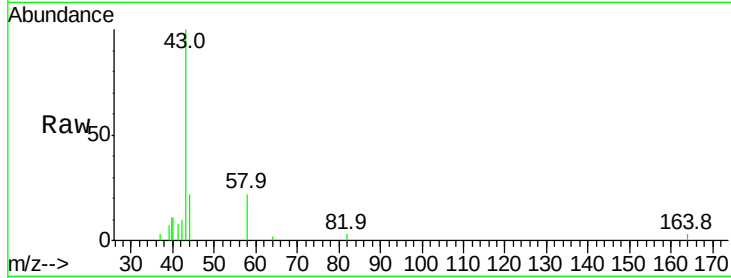
Acq: 2 Mar 2022 23:29

Tgt Ion: 43 Resp: 11247

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



#20

Methylene Chloride

Concen: 0.14 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL038495.D

Acq: 2 Mar 2022 23:29

Tgt Ion: 84 Resp: 5037

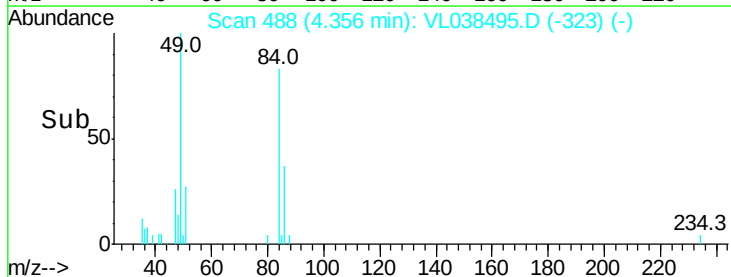
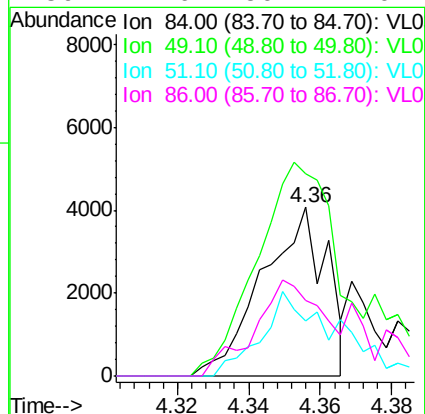
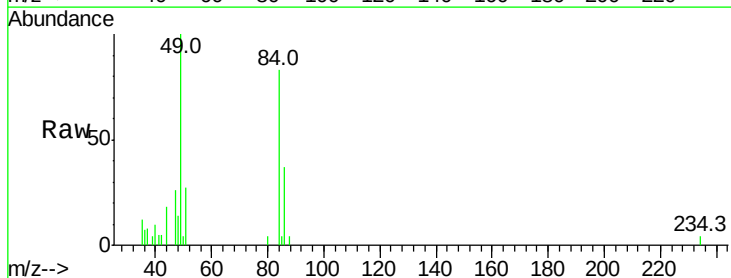
Ion Ratio Lower Upper

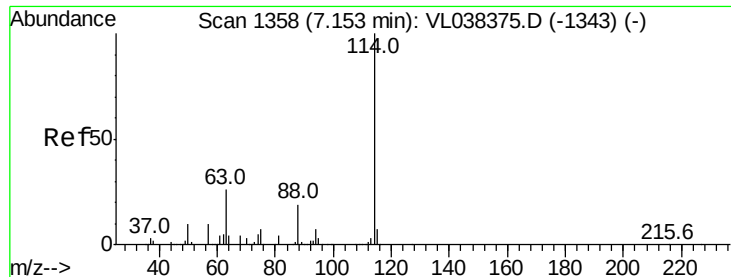
84 100

49 124.8 122.4 183.6

51 32.9 33.3 49.9#

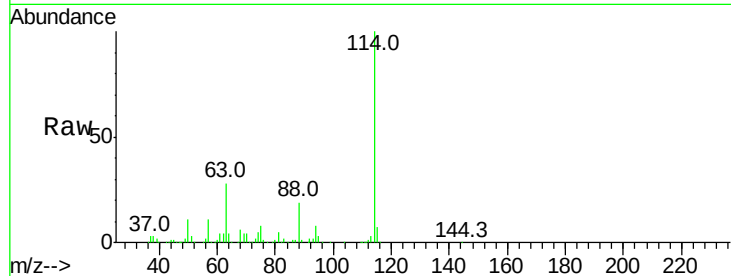
86 44.6 50.7 76.1#



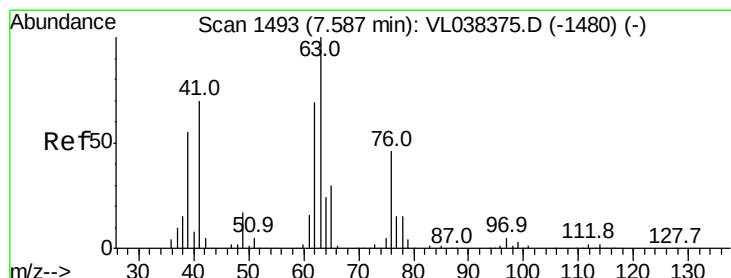
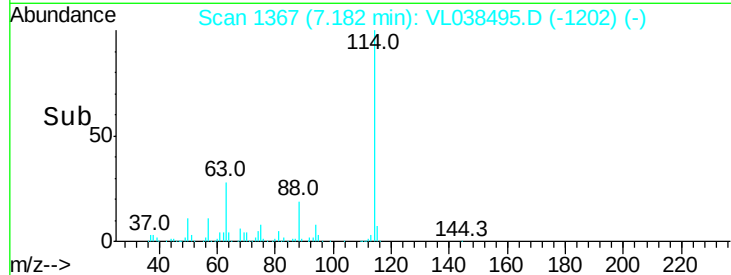
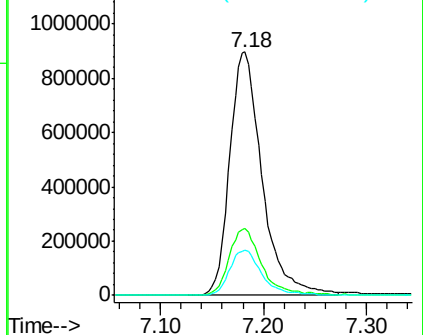


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 23:29

Tgt Ion: 114 Resp: 1963975
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.2 33.2
 88 18.8 15.2 22.8

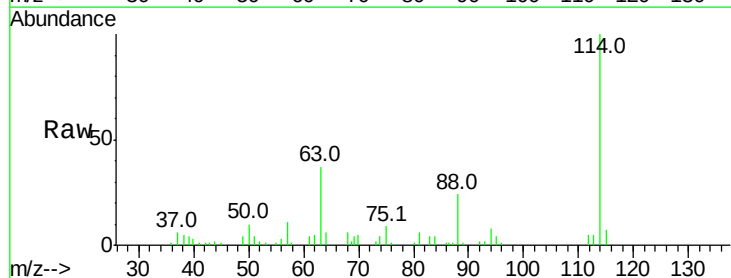


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

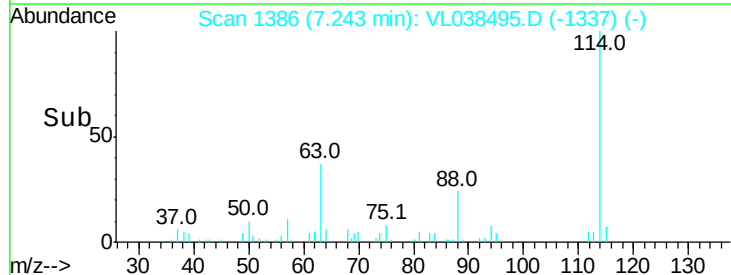
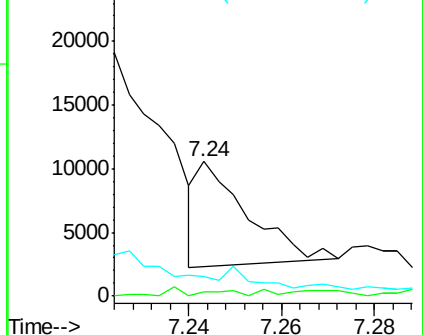


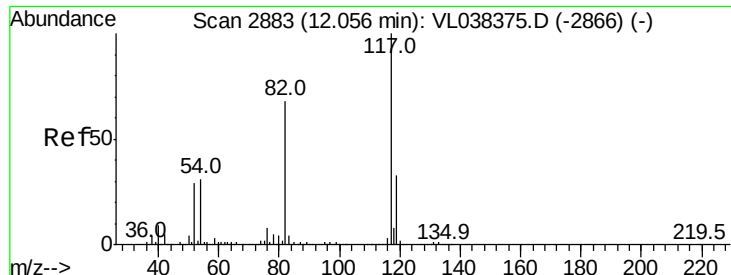
#39
 1,2-Dichloropropane
 Concen: 0.09 ppbv
 RT: 7.24 min Scan# 1386
 Delta R.T. -0.34 min
 Lab File: VL038495.D
 Acq: 2 Mar 2022 23:29

Tgt Ion: 63 Resp: 6198
 Ion Ratio Lower Upper
 63 100
 41 4.6 56.1 84.1#
 62 9.8 55.5 83.3#



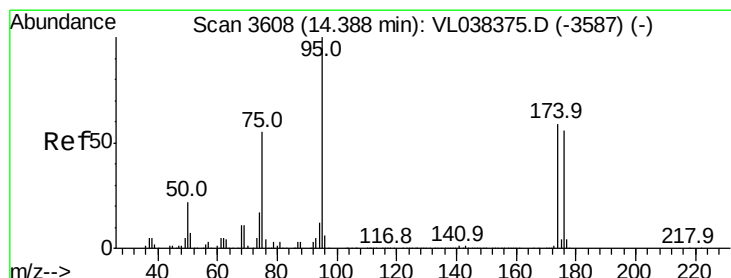
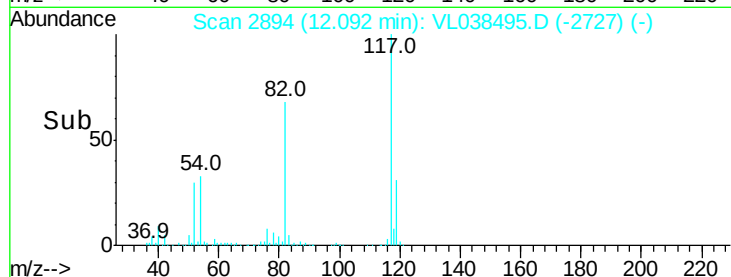
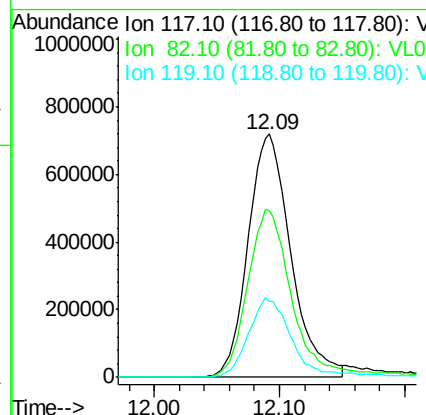
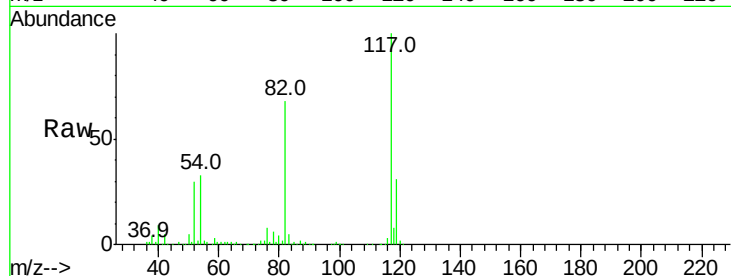
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 23:29

Tgt Ion: 117 Resp: 1704620
 Ion Ratio Lower Upper
 117 100
 82 74.1 54.9 82.3
 119 34.0 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.74 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T.: 0.04 min
 Lab File: VL038495.D
 Acq: 2 Mar 2022 23:29

Tgt Ion: 95 Resp: 1373193
 Ion Ratio Lower Upper
 95 100
 174 62.1 49.0 73.4
 175 4.4 3.6 5.4

