

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
 Data File : VL038496.D
 Acq On : 3 Mar 2022 00:06
 Operator : SY/AP
 Sample : CAN 10130
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10130

Quant Time: Mar 03 03:16:17 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	829623	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	1918212	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1674479	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1411805	10.19	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

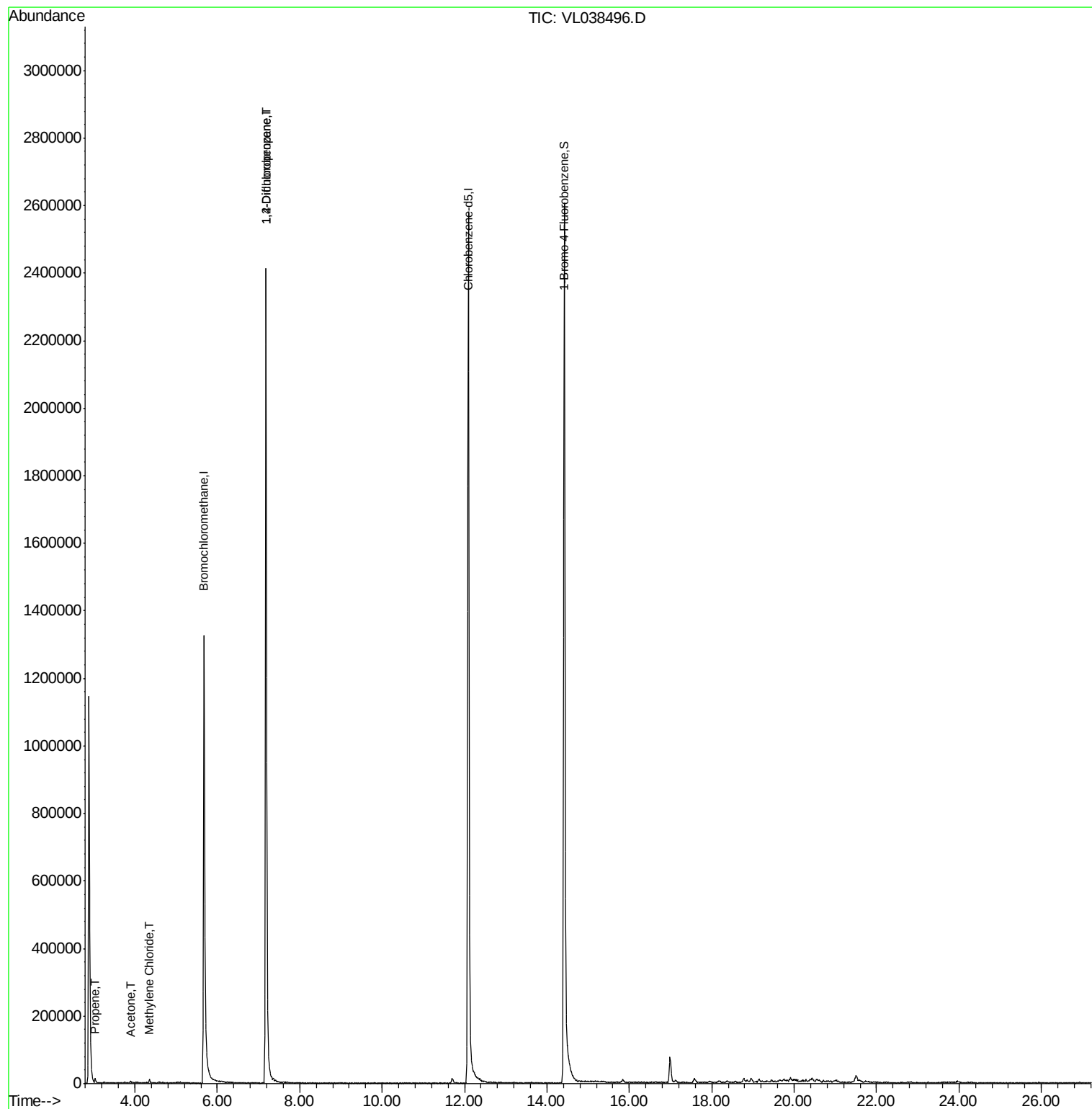
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	1532	0.03	ppbv #	16
15) Acetone	3.89	43	2347	0.03	ppbv #	28
20) Methylene Chloride	4.35	84	2315	0.07	ppbv	87
39) 1,2-Dichloropropane	7.18	63	532736	7.92	ppbv #	25

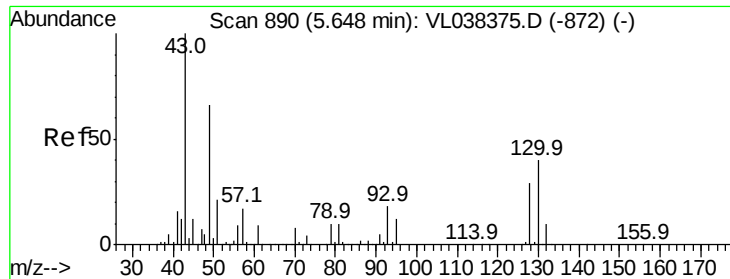
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 00:00

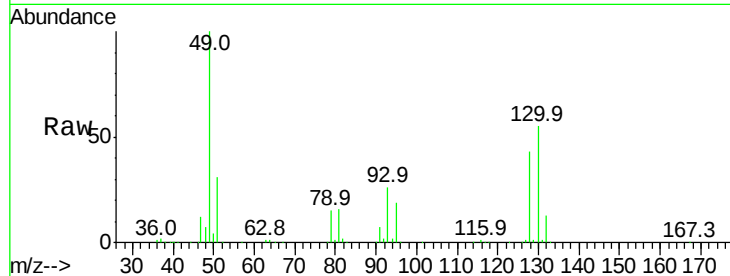
Tgt Ion: 49 Resp: 829623

Ion Ratio Lower Upper

49 100

128 46.6 24.3 72.9

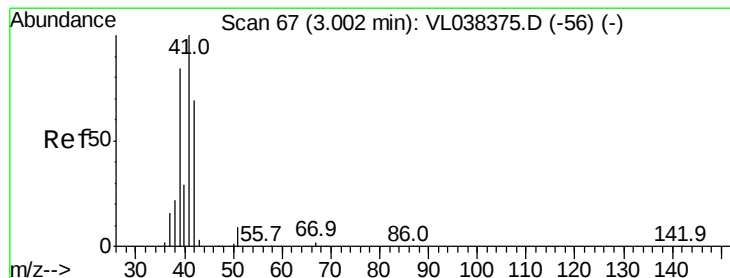
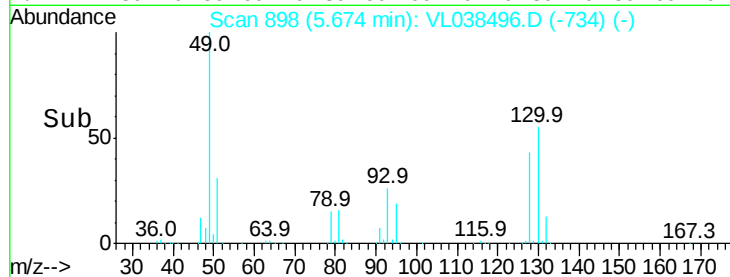
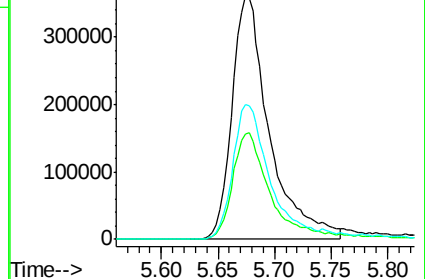
130 59.2 30.1 90.5



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: 0.03 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038496.D

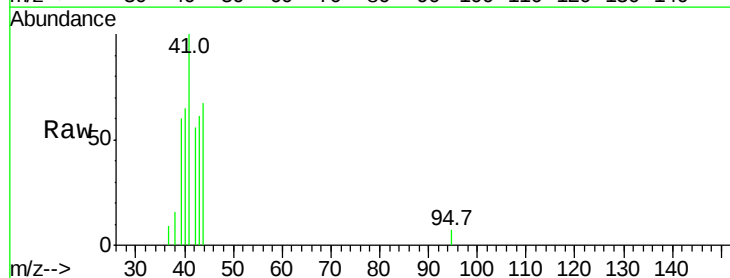
Acq: 3 Mar 2022 00:06

Tgt Ion: 41 Resp: 1532

Ion Ratio Lower Upper

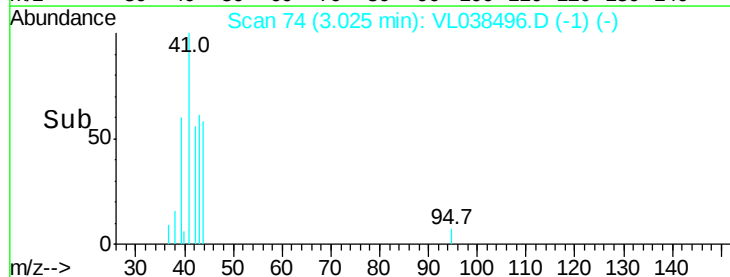
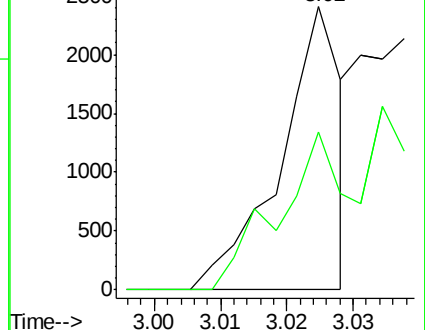
41 100

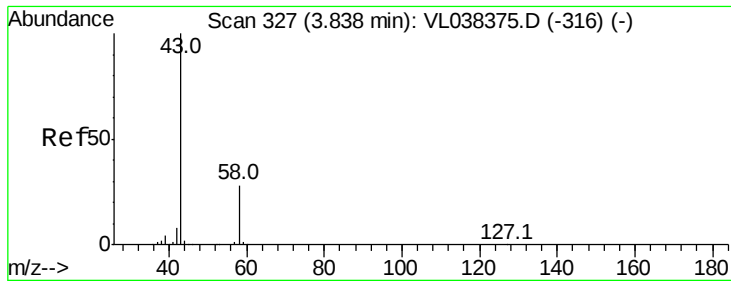
42 0.0 54.6 82.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.03 ppbv

RT: 3.89 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

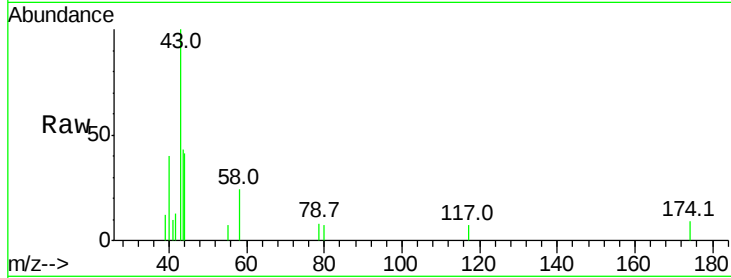
Acq: 3 Mar 2022 00:00

Tgt Ion: 43 Resp: 2347

Ion Ratio Lower Upper

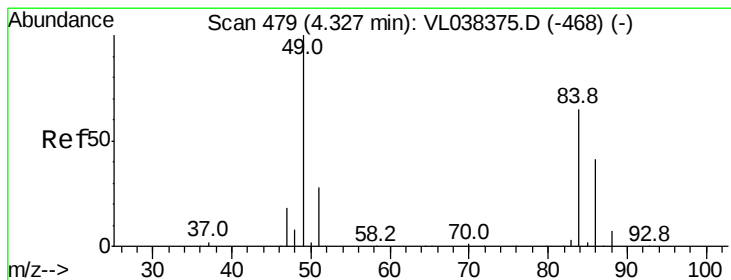
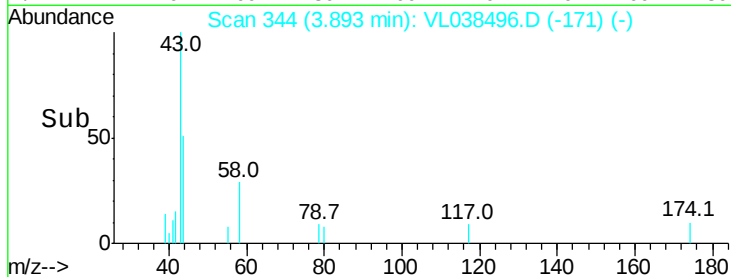
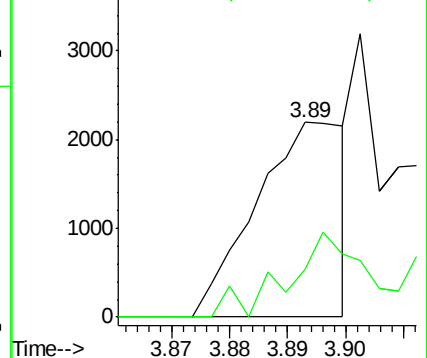
43 100

58 64.5 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.07 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038496.D

Acq: 3 Mar 2022 00:06

Tgt Ion: 84 Resp: 2315

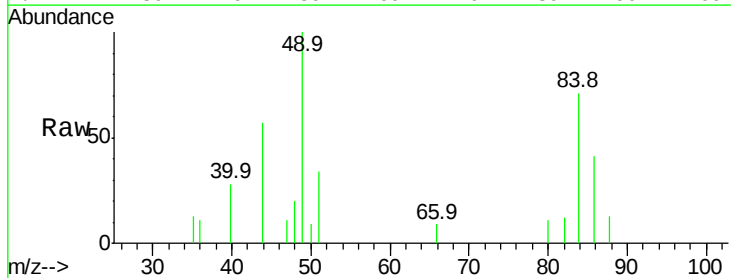
Ion Ratio Lower Upper

84 100

49 132.5 122.4 183.6

51 36.0 33.3 49.9

86 57.9 50.7 76.1

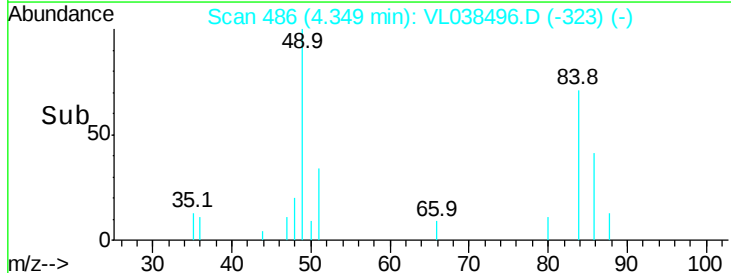
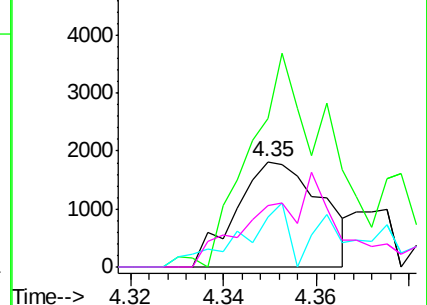


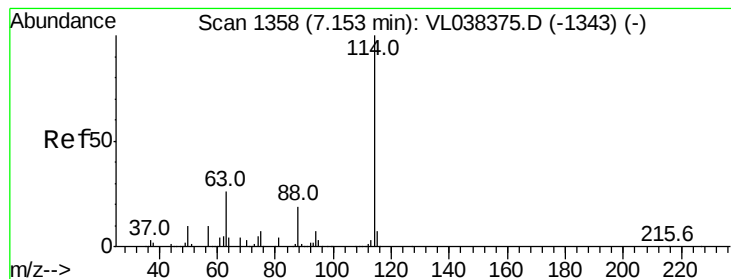
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 10.00 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 00:00 CAN 10130

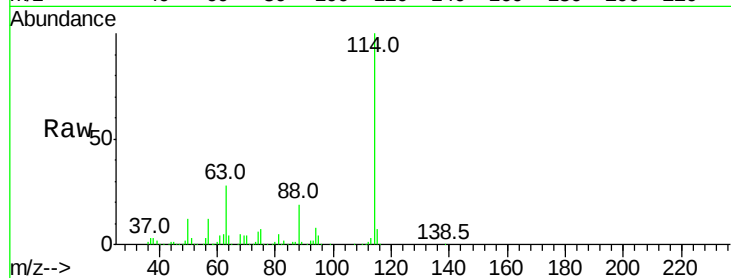
Tgt Ion: 114 Resp: 1918212

Ion Ratio Lower Upper

114 100

63 28.3 22.2 33.2

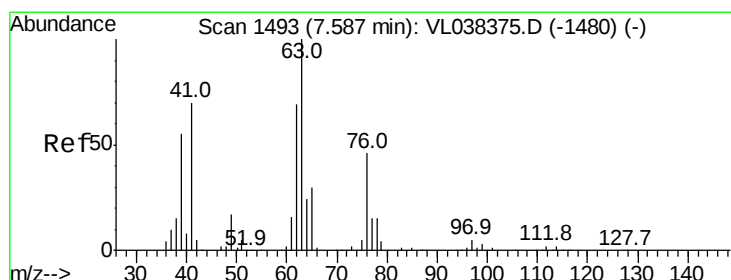
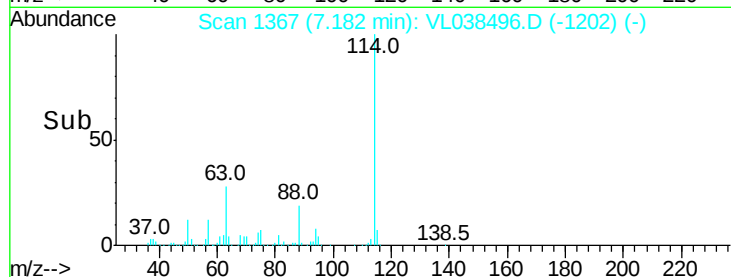
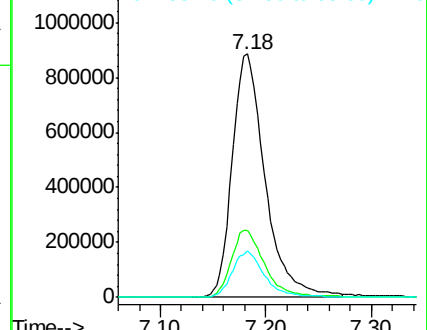
88 19.0 15.2 22.8



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: 7.92 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.40 min

Lab File: VL038496.D

Acq: 3 Mar 2022 00:06

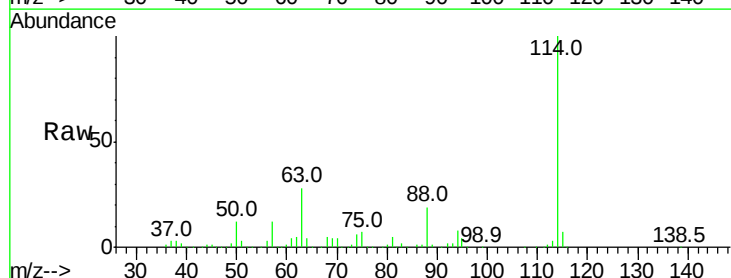
Tgt Ion: 63 Resp: 532736

Ion Ratio Lower Upper

63 100

41 0.1 56.1 84.1#

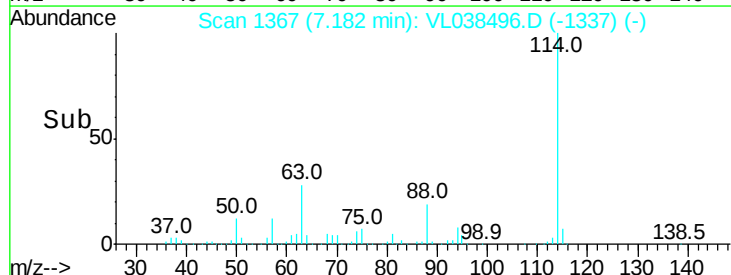
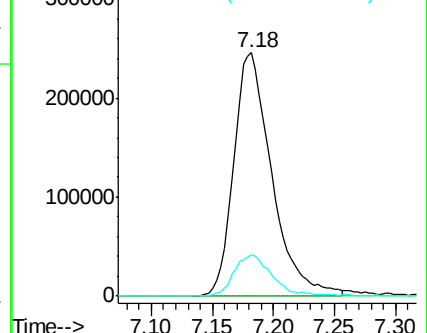
62 16.9 55.5 83.3#

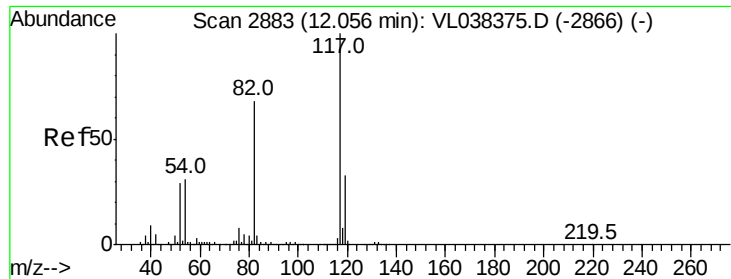


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

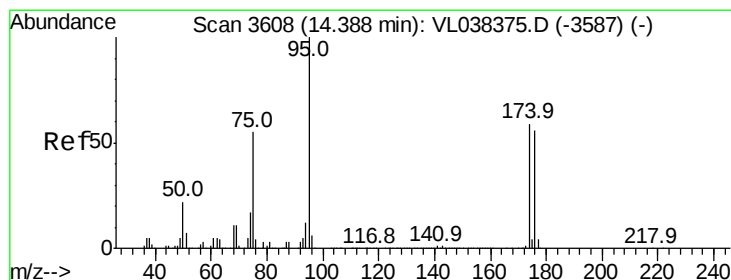
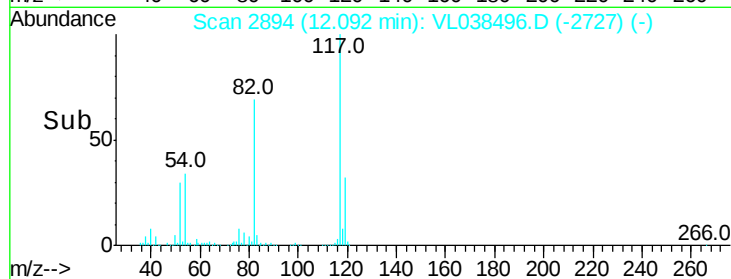
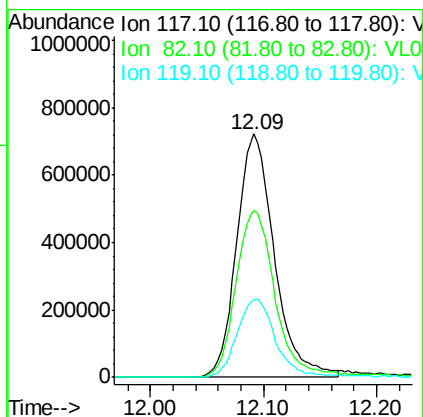
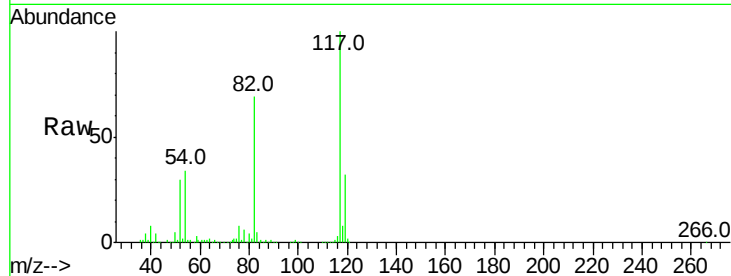
Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 00:00

Tgt Ion: 117 Resp: 1674479
 Ion Ratio Lower Upper
 117 100
 82 73.1 54.9 82.3
 119 34.0 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.19 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.04 min
 Lab File: VL038496.D
 Acq: 3 Mar 2022 00:06

Tgt Ion: 95 Resp: 1411805
 Ion Ratio Lower Upper
 95 100
 174 59.4 49.0 73.4
 175 4.4 3.6 5.4

