

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038516.D
 Acq On : 3 Mar 2022 16:13
 Operator : SY/AP
 Sample : CAN 10731
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10731

Quant Time: Mar 04 04:33:46 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	5.65	49	751030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1703142	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1513396	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1237226	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

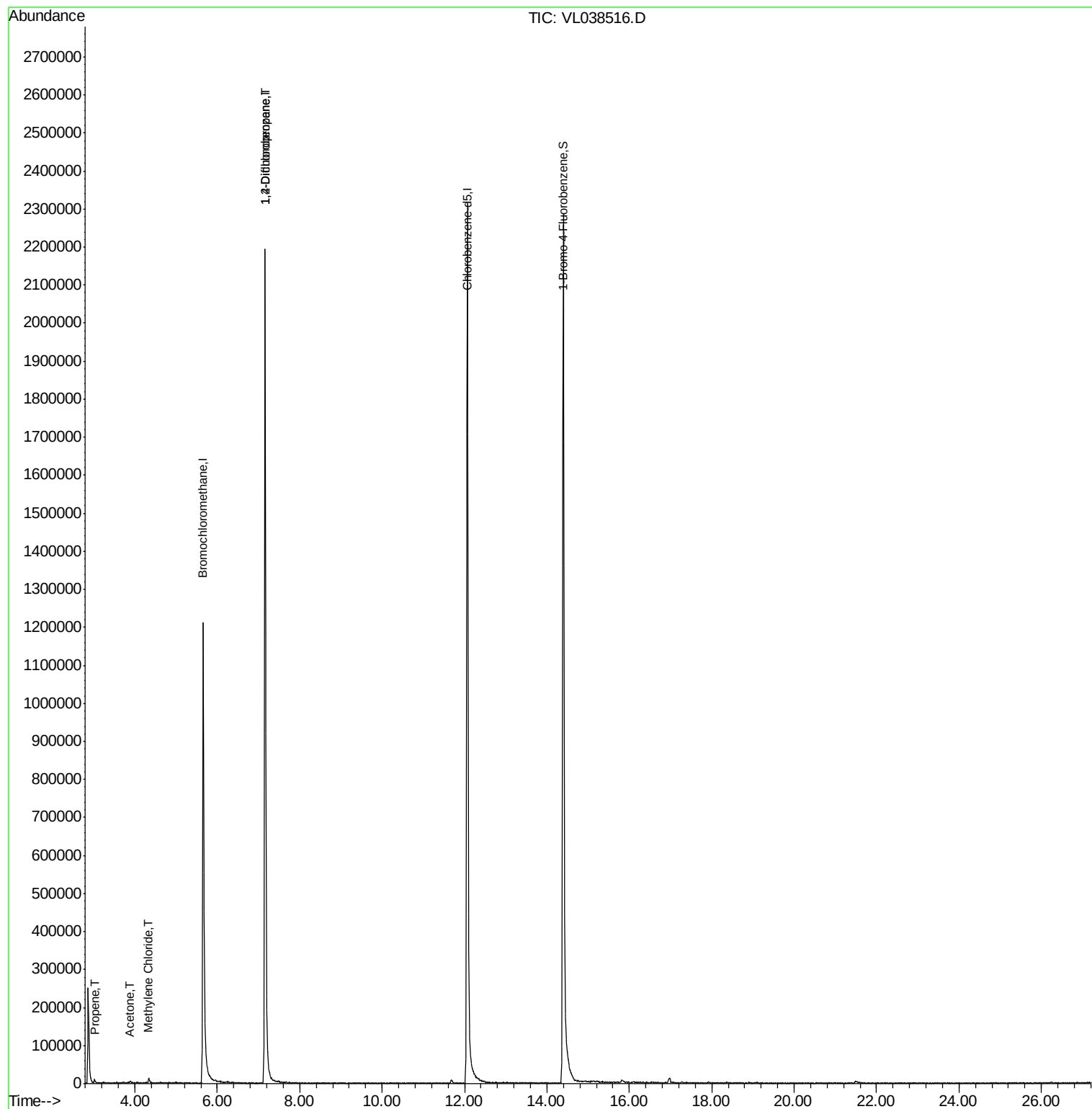
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2298	0.052	ppbv #	79
15) Acetone	3.88	43	2577	0.040	ppbv #	68
20) Methylene Chloride	4.33	84	2539	0.080	ppbv #	51
39) 1,2-Dichloropropane	7.16	63	474975	7.953	ppbv #	26

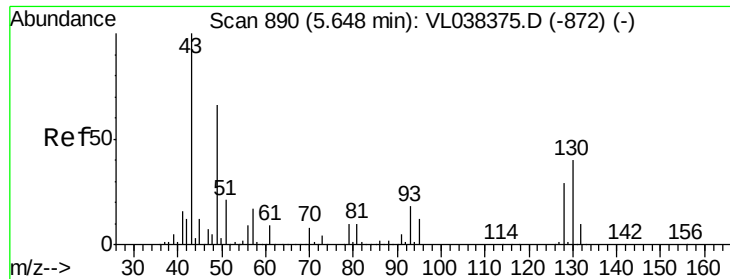
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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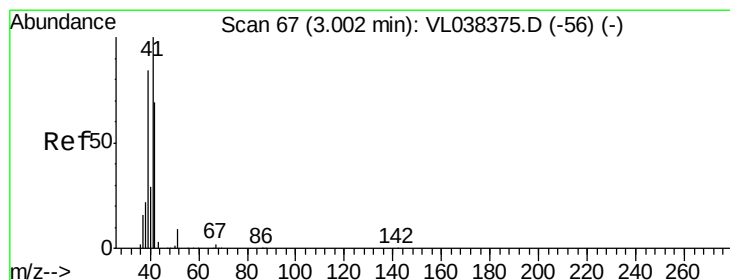
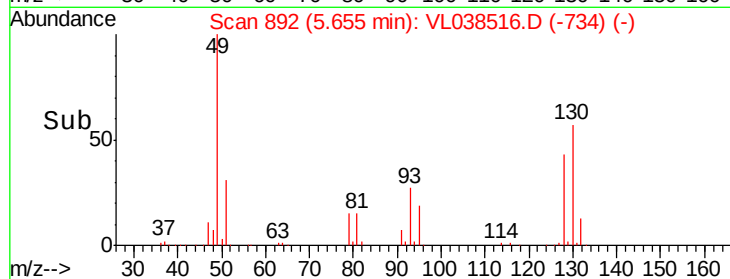
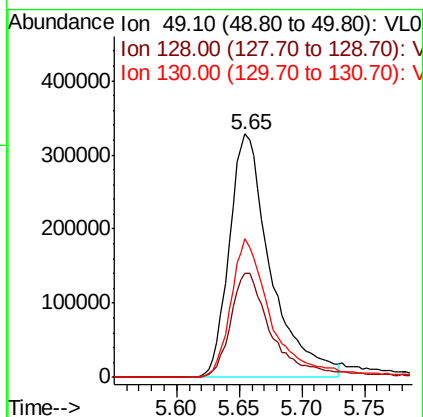
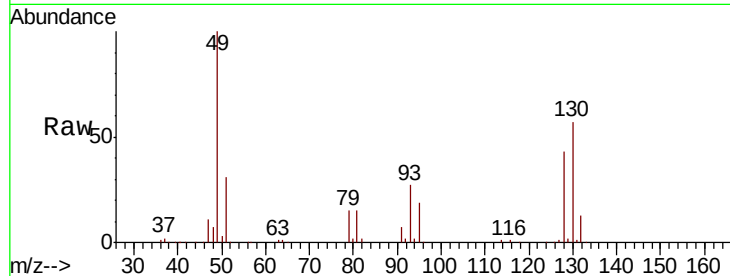
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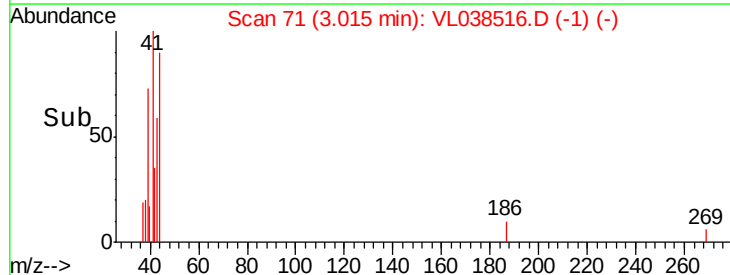
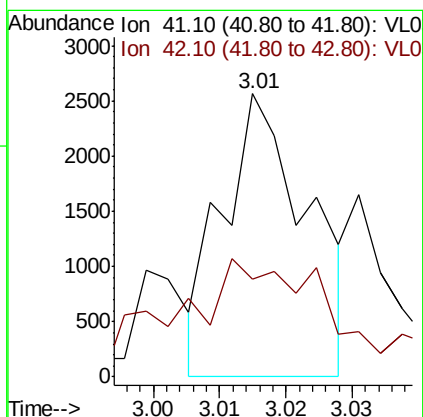
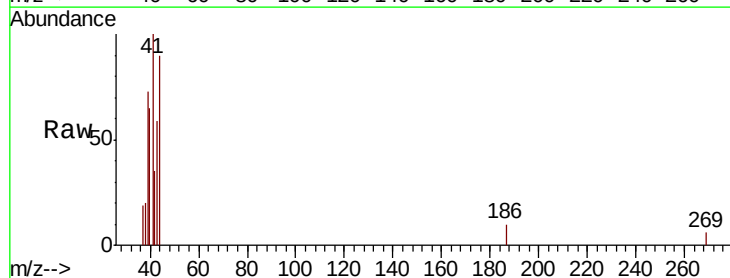
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 16:13

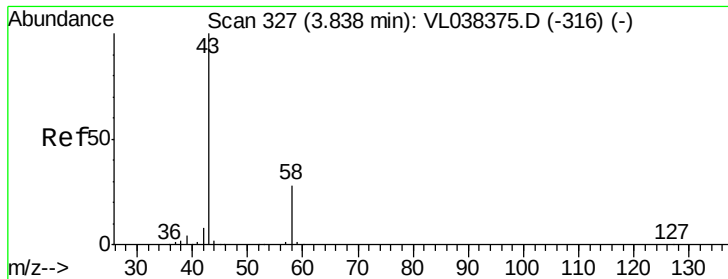
Tot Ion: 49 Resp: 751030
 Ion Ratio Lower Upper
 49 100
 128 45.5 24.3 72.9
 130 58.4 30.1 90.5



#9
 Propene
 Concen: 0.052 ppbv
 RT: 3.01 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL038516.D
 Acq: 3 Mar 2022 16:13

Tgt Ion: 41 Resp: 2298
 Ion Ratio Lower Upper
 41 100
 42 85.6 54.6 82.0#





#15

Acetone

Concen: 0.040 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

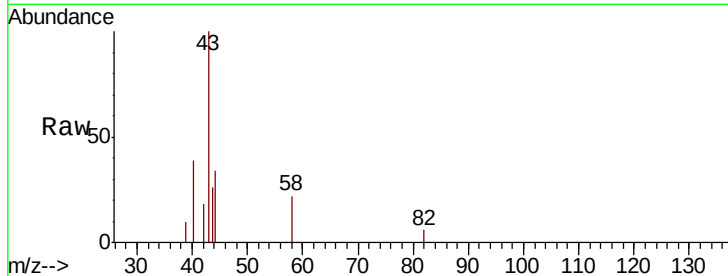
Acq: 3 Mar 2022 16:13 CAN 10731

Tot Ion: 43 Resp: 2577

Ion Ratio Lower Upper

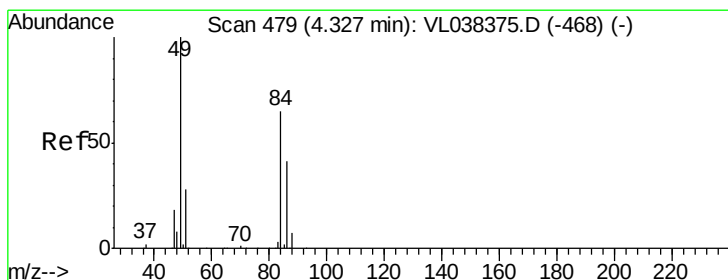
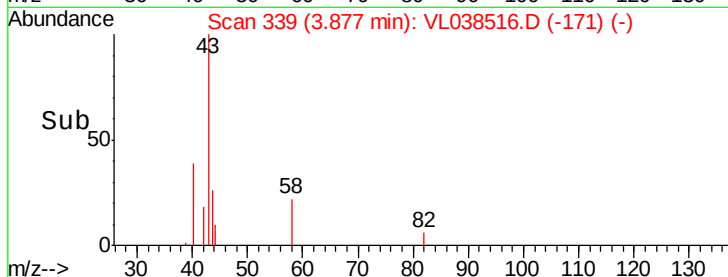
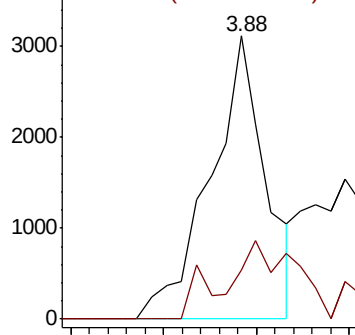
43 100

58 43.8 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: 0.080 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL038516.D

Acq: 3 Mar 2022 16:13

Tgt Ion: 84 Resp: 2539

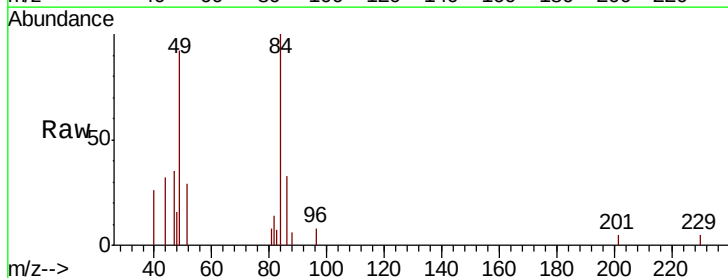
Ion Ratio Lower Upper

84 100

49 79.9 122.4 183.6#

51 28.5 33.3 49.9#

86 25.4 50.7 76.1#

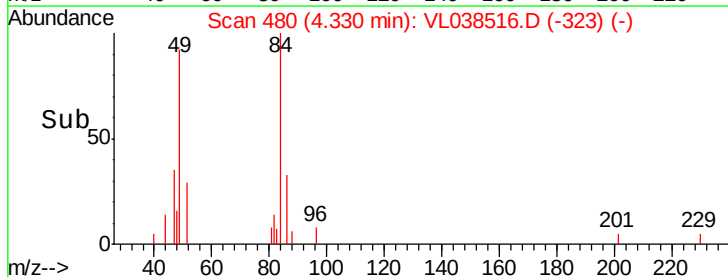
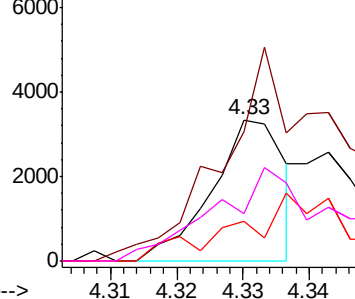


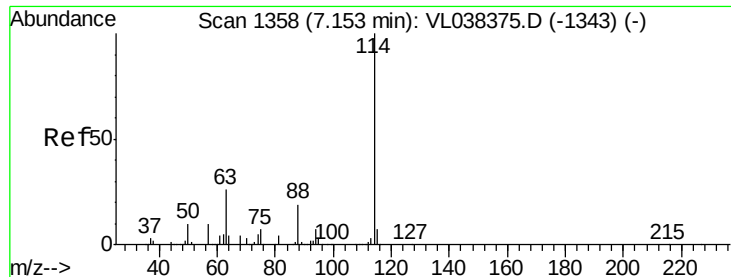
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 10.000 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 16:13 CAN 10731

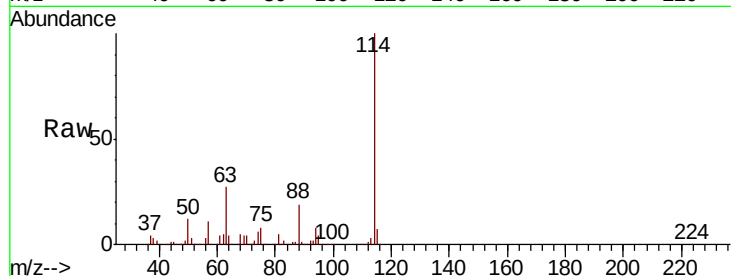
Tot Ion:114 Resp: 1703142

Ion Ratio Lower Upper

114 100

63 28.7 22.2 33.2

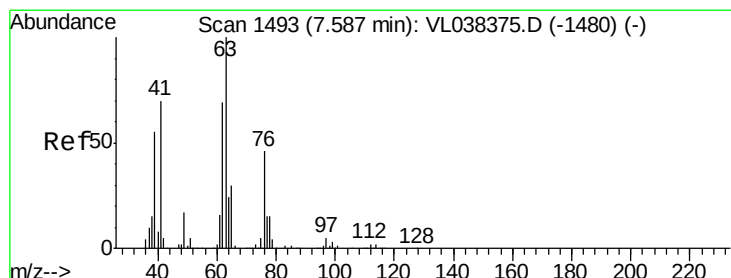
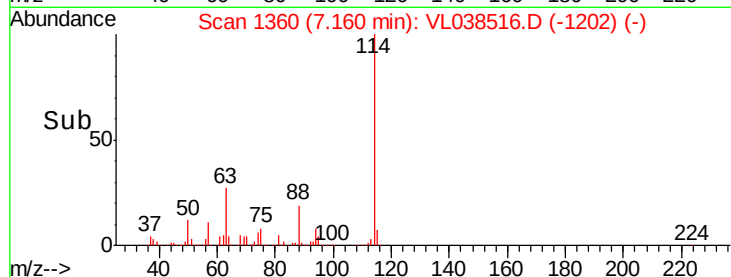
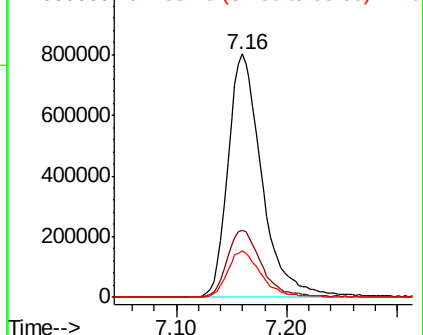
88 19.4 15.2 22.8



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: 7.953 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.43 min

Lab File: VL038516.D

Acq: 3 Mar 2022 16:13

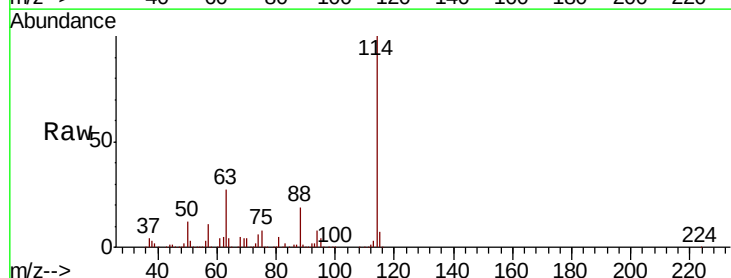
Tgt Ion: 63 Resp: 474975

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

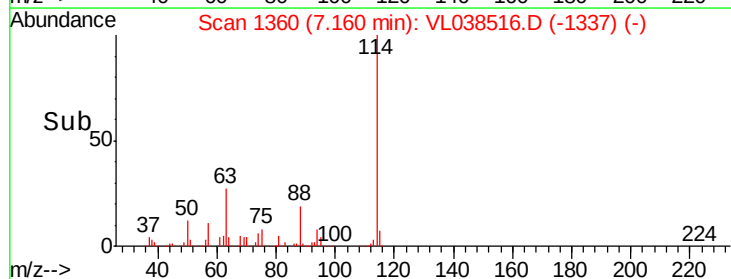
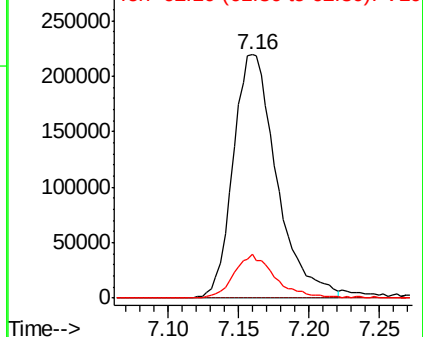
62 18.3 55.5 83.3#

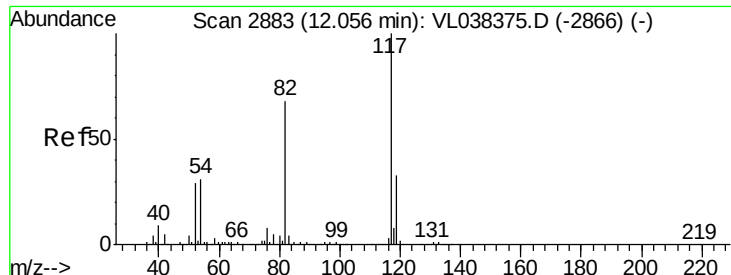


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

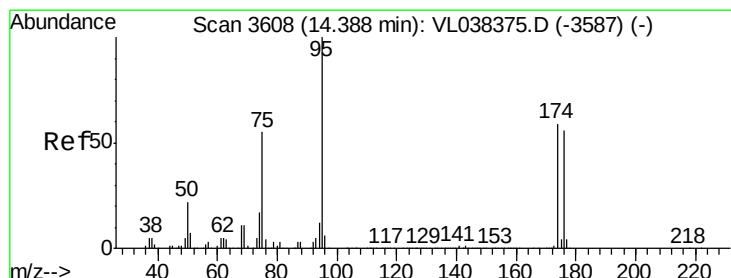
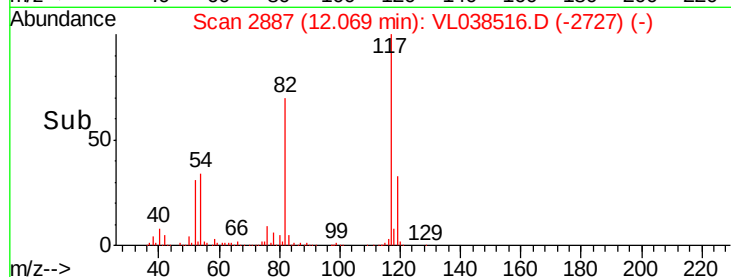
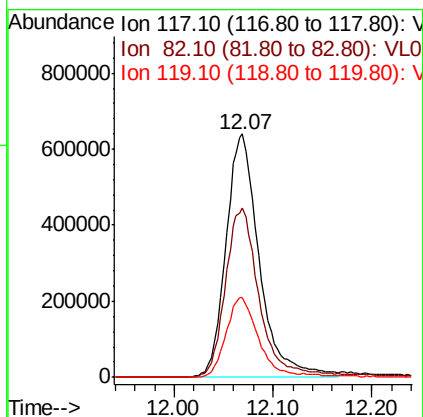
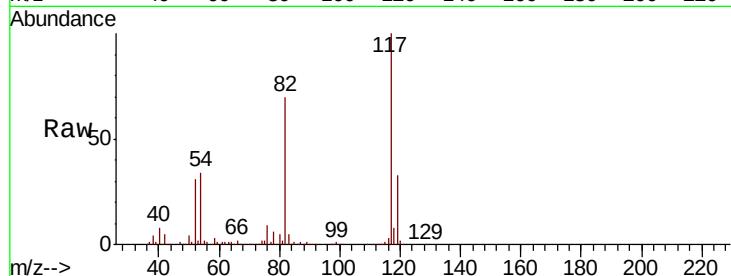
Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 16:13

Tot Ion: 117 Resp: 1513396
 Ion Ratio Lower Upper
 117 100
 82 72.3 54.9 82.3
 119 33.1 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.880 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: 0.01 min
 Lab File: VL038516.D
 Acq: 3 Mar 2022 16:13

Tgt Ion: 95 Resp: 1237226
 Ion Ratio Lower Upper
 95 100
 174 60.0 49.0 73.4
 175 4.2 3.6 5.4

