

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038185.D
 Acq On : 16 Dec 2021 11:57
 Operator : SY/AP
 Sample : VL1216ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:07:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1087734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2899345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2410435	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1900340	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

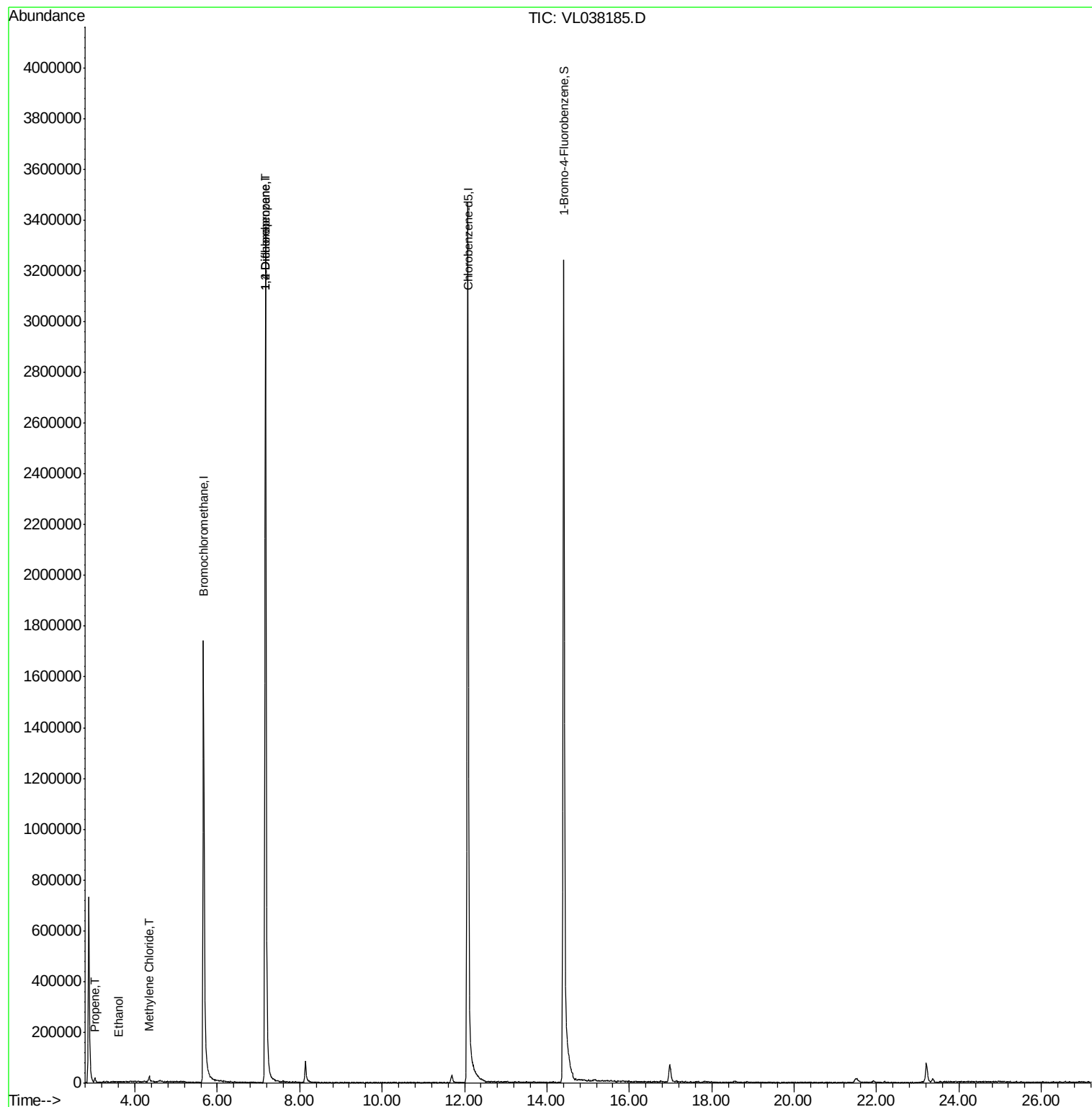
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	5914	0.070	ppbv	91
13) Ethanol	3.61	45	406	0.050	ppbv #	32
20) Methylene Chloride	4.34	84	3400	0.064	ppbv #	81
39) 1,2-Dichloropropane	7.17	63	748034	6.743	ppbv #	27

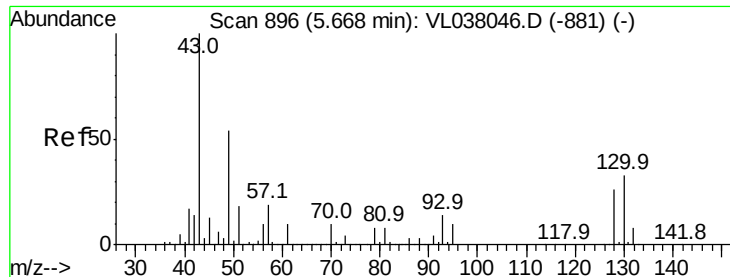
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:57

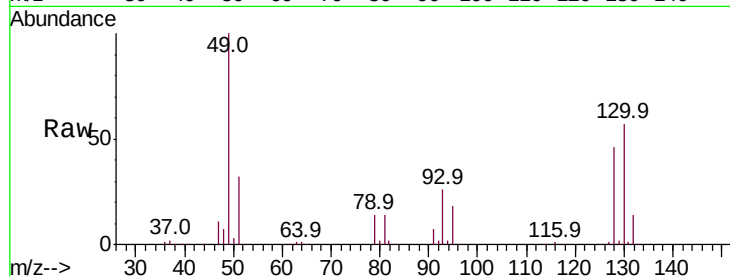
Tot Ion: 49 Resp: 1087734

Ion Ratio Lower Upper

49 100

128 47.8 26.5 79.5

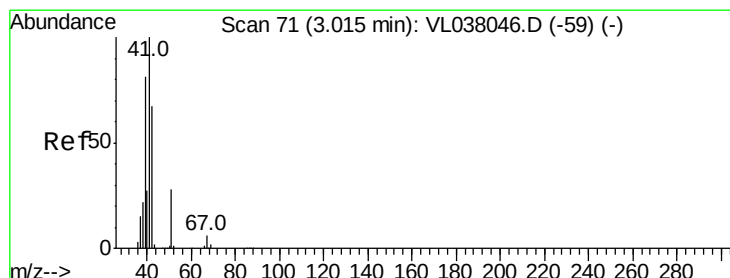
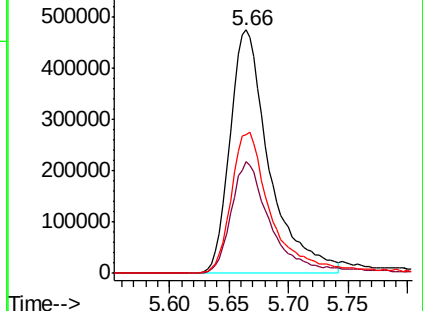
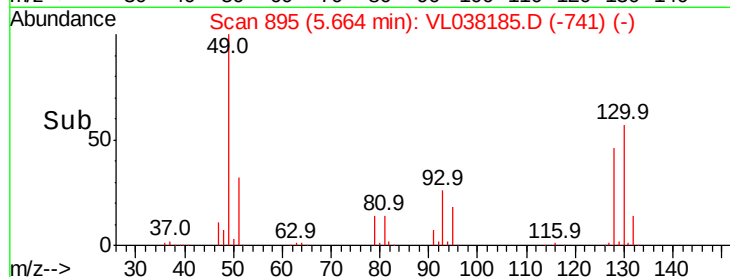
130 61.2 32.5 97.4



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: 0.070 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL038185.D

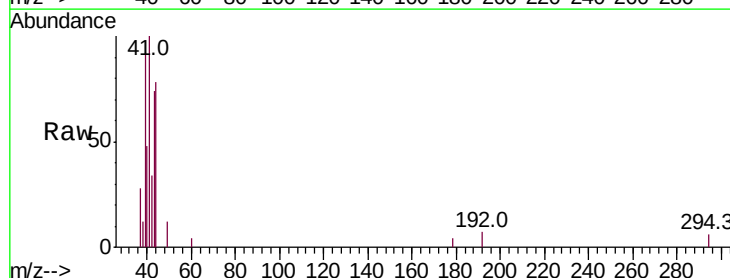
Acq: 16 Dec 2021 11:57

Tgt Ion: 41 Resp: 5914

Ion Ratio Lower Upper

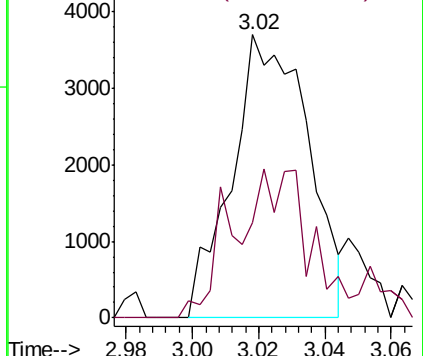
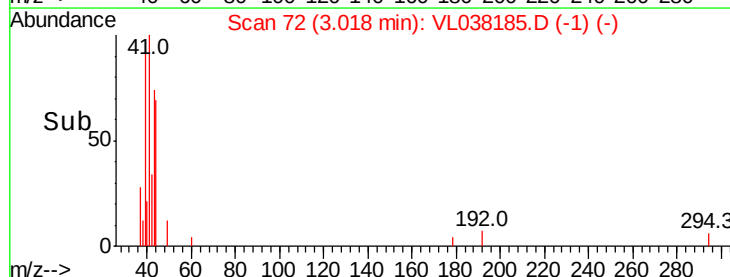
41 100

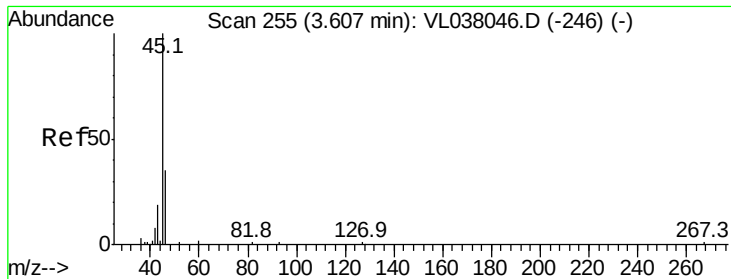
42 59.9 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

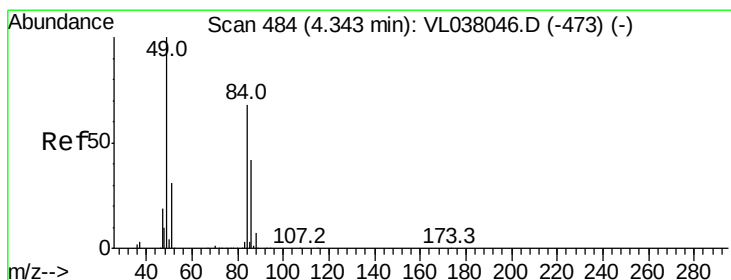
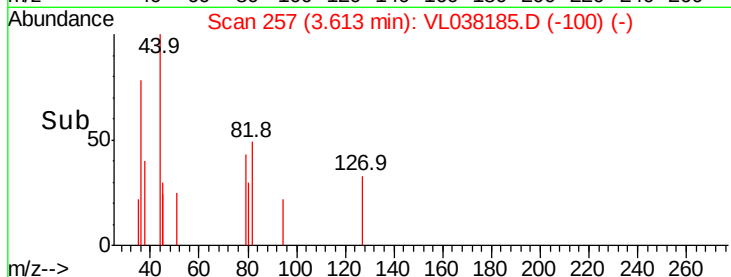
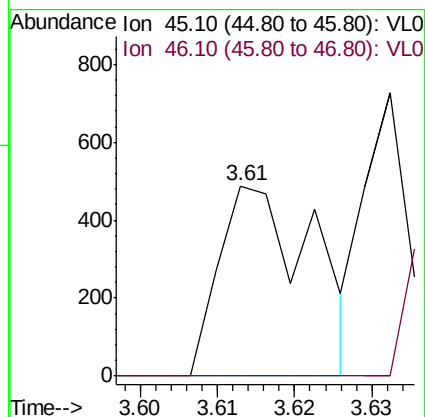
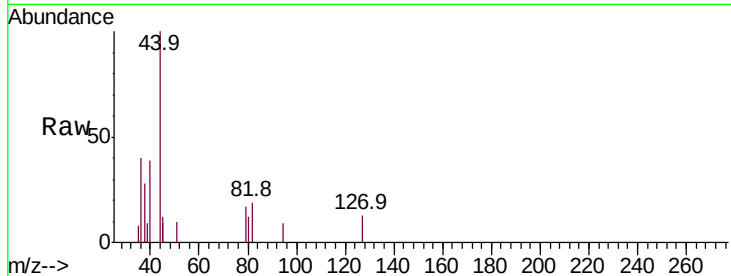
Ion 42.10 (41.80 to 42.80): VL0





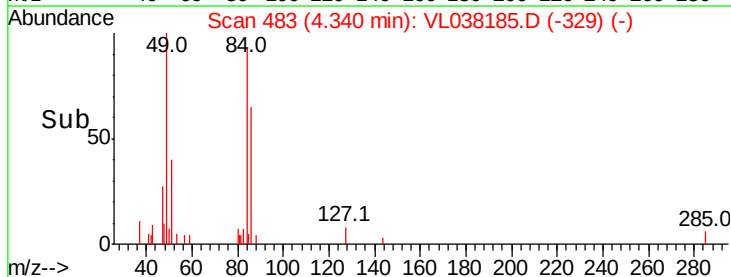
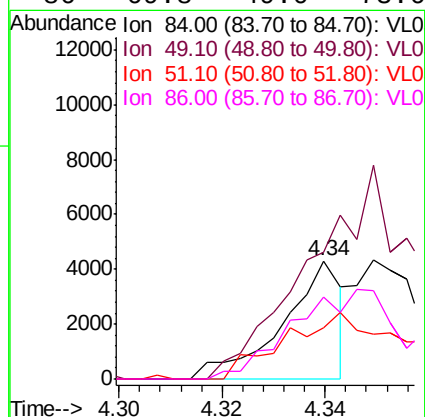
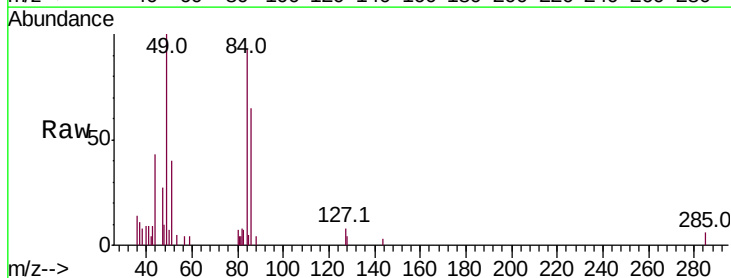
#13
Ethanol
Concen: 0.050 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:57

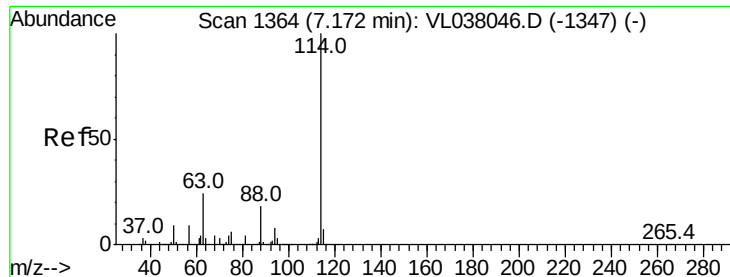
Tot Ion: 45 Resp: 406
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#20
Methylene Chloride
Concen: 0.064 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL038185.D
Acq: 16 Dec 2021 11:57

Tgt Ion: 84 Resp: 3400
Ion Ratio Lower Upper
84 100
49 114.3 118.2 177.2#
51 42.9 36.8 55.2
86 69.8 49.0 73.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:57

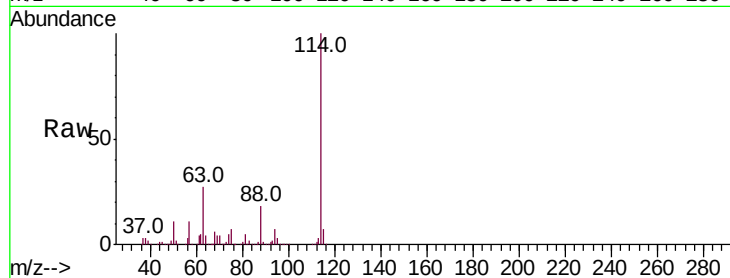
Tot Ion:114 Resp: 2899345

Ion Ratio Lower Upper

114 100

63 26.9 19.7 29.5

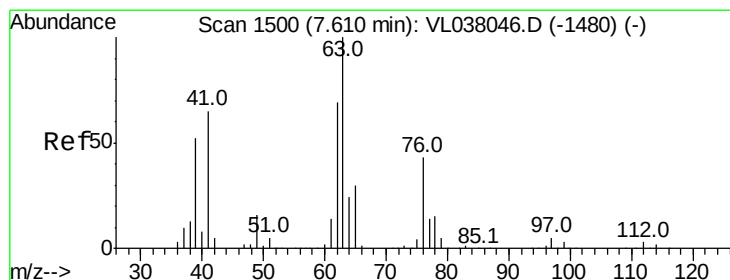
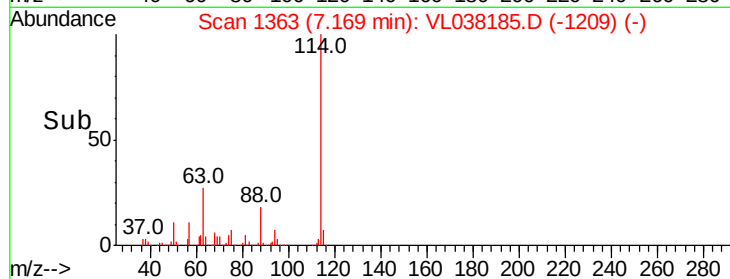
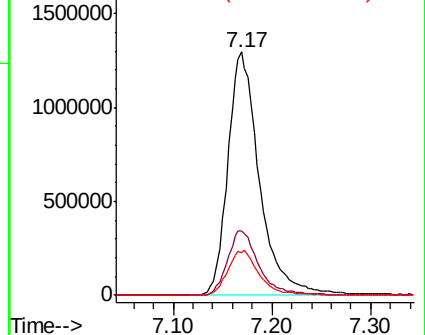
88 18.8 14.4 21.6



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: 6.743 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL038185.D

Acq: 16 Dec 2021 11:57

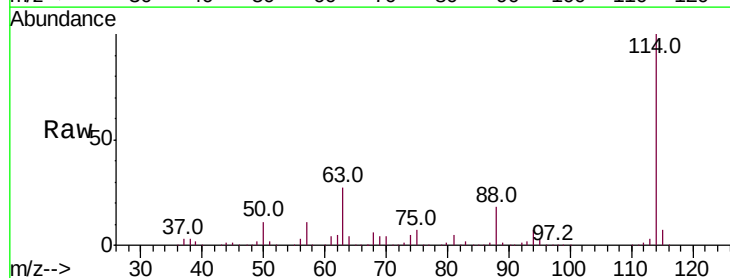
Tgt Ion: 63 Resp: 748034

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

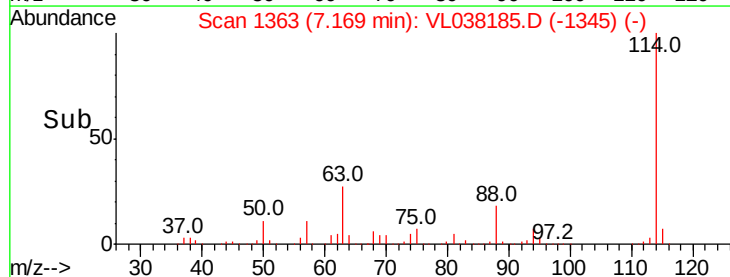
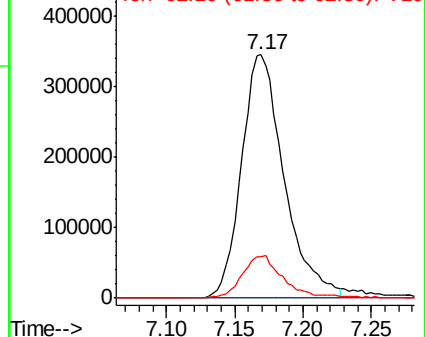
62 17.2 55.1 82.7#

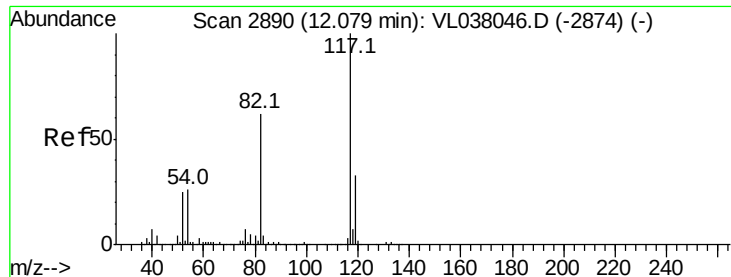


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

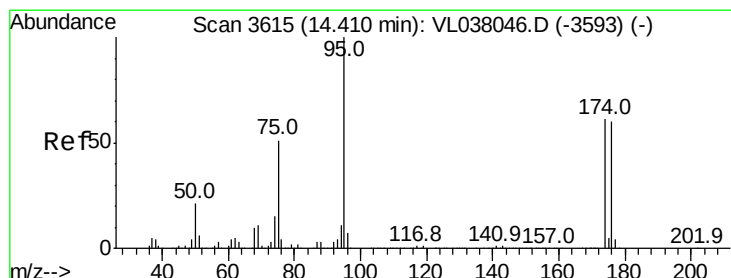
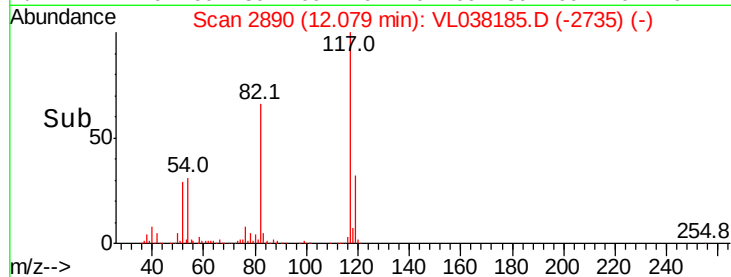
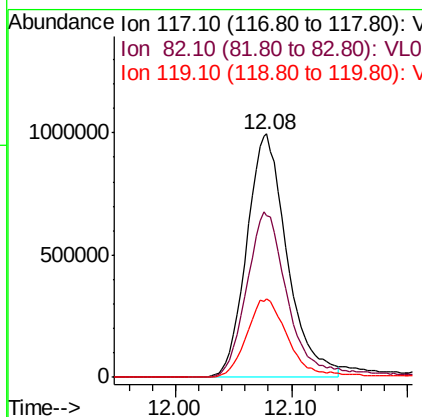
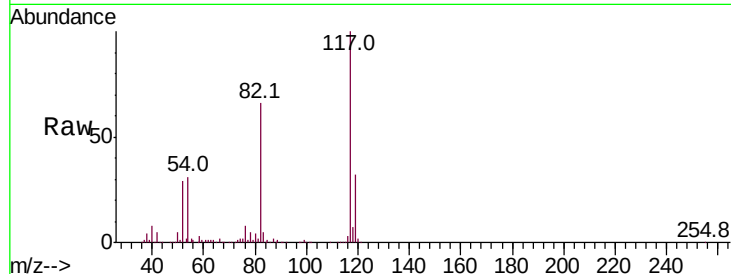




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:57

Tot Ion: 117 Resp: 2410435

Ion	Ratio	Lower	Upper
117	100		
82	72.8	52.8	79.2
119	34.3	26.8	40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.930 ppbv
RT: 14.41 min Scan# 3615
Delta R.T.: -0.00 min
Lab File: VL038185.D
Acq: 16 Dec 2021 11:57

Tgt Ion: 95 Resp: 1900340

Ion	Ratio	Lower	Upper
95	100		
174	62.4	53.1	79.7
175	4.5	4.0	6.0

