

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040522\
 Data File : VL038817.D
 Acq On : 5 Apr 2022 19:03
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Apr 05 19:46:57 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 05 17:22:42 2022
 QLast Update : Tue Apr 05 17:22:42 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1473489	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3924590	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3426737	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2634724	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

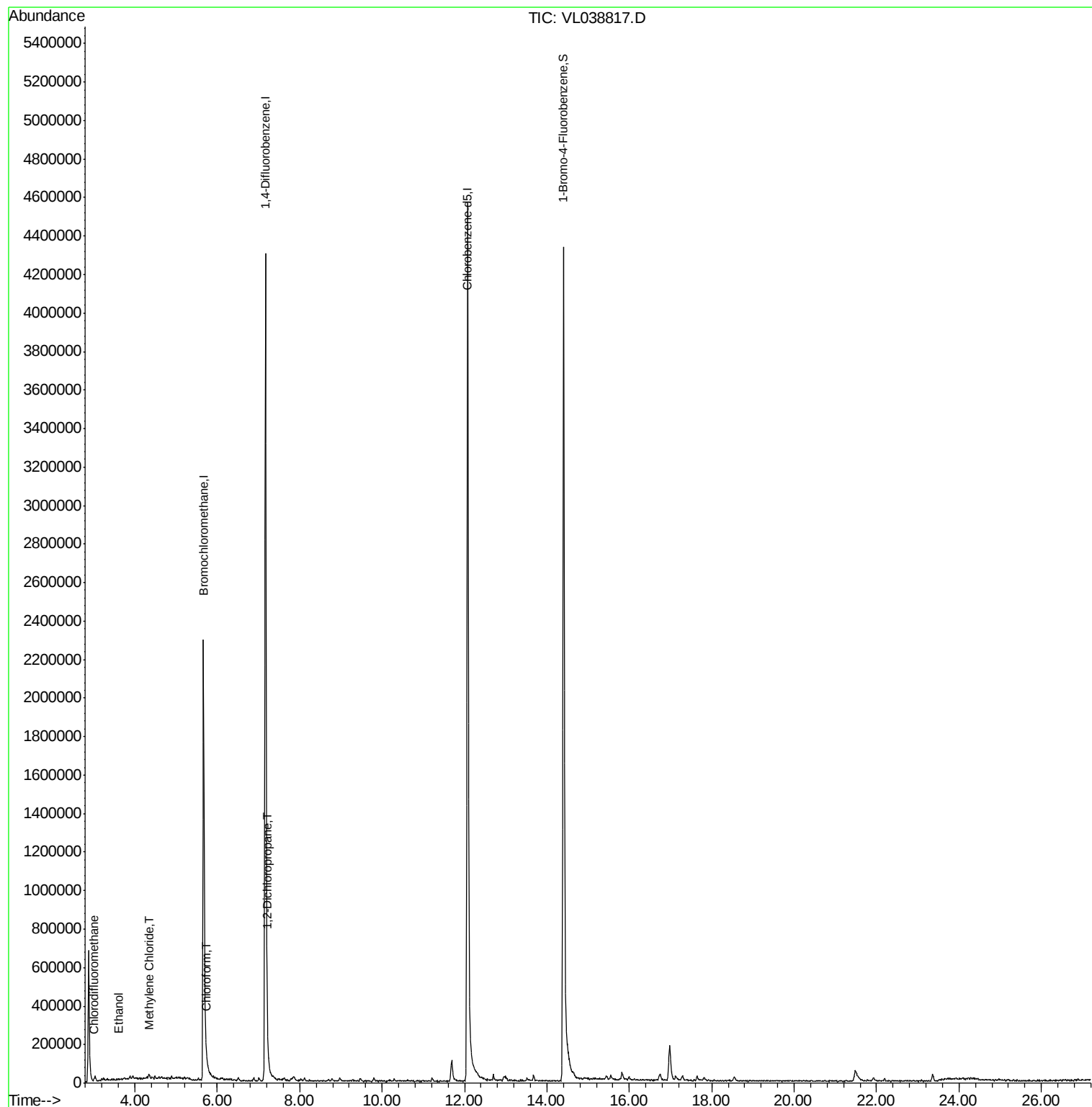
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	6548	0.04	ppbv	96
13) Ethanol	3.61	45	503	0.06	ppbv #	100
20) Methylene Chloride	4.34	84	2607	0.05	ppbv #	23
29) Chloroform	5.75	83	7386	0.03	ppbv	84
39) 1,2-Dichloropropane	7.21	63	22442	0.19	ppbv #	26

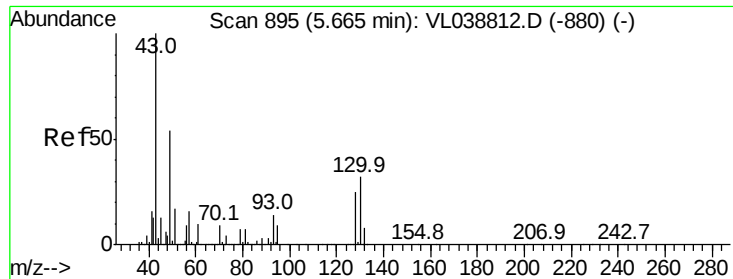
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC00.03

Acq: 5 Apr 2022 19:03

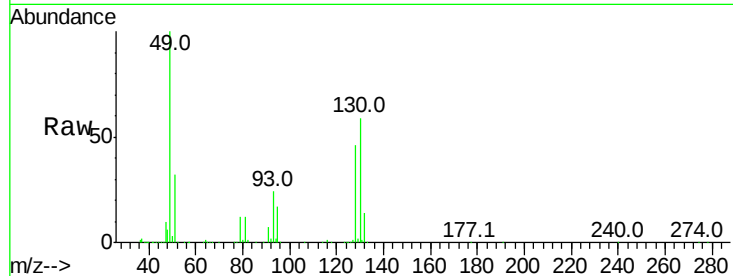
Tgt Ion: 49 Resp: 1473489

Ion Ratio Lower Upper

49 100

128 48.0 24.1 72.3

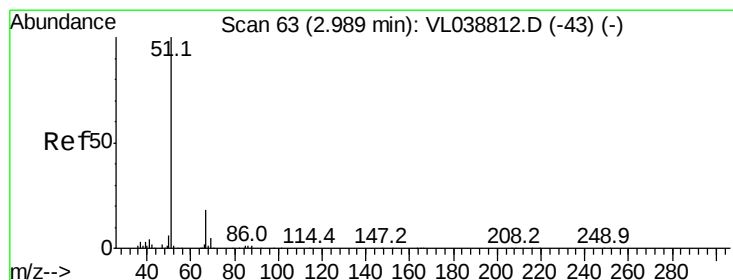
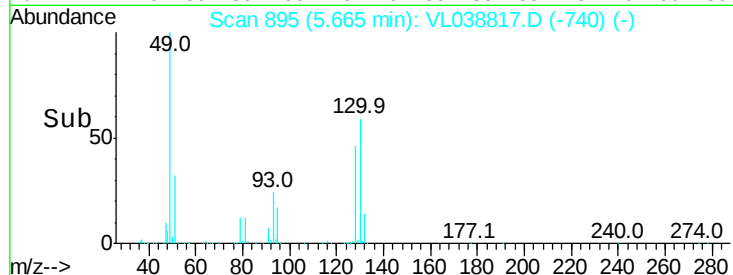
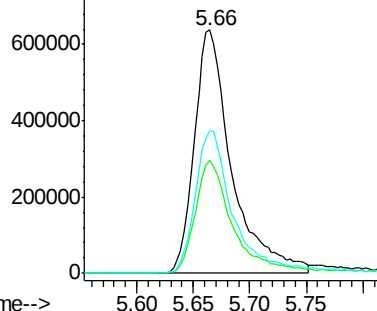
130 60.5 30.9 92.8



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



#3

Chlorodifluoromethane

Concen: 0.04 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL038817.D

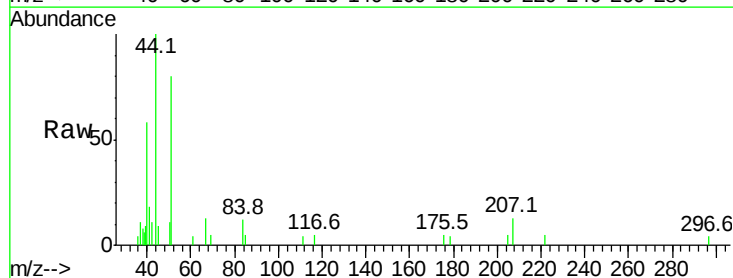
Acq: 5 Apr 2022 19:03

Tgt Ion: 51 Resp: 6548

Ion Ratio Lower Upper

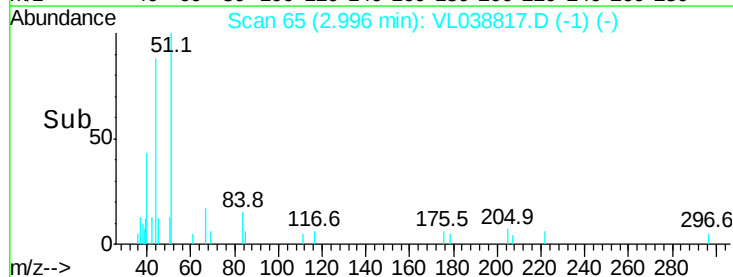
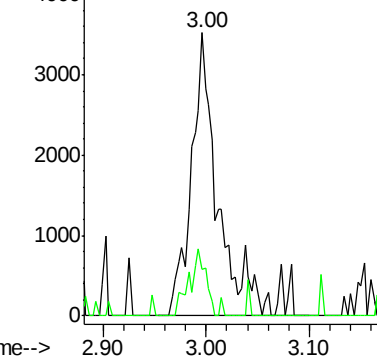
51 100

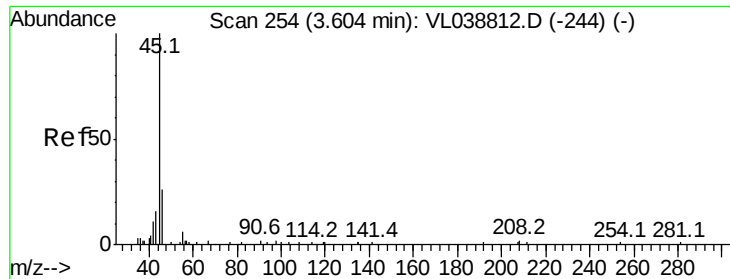
67 15.0 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

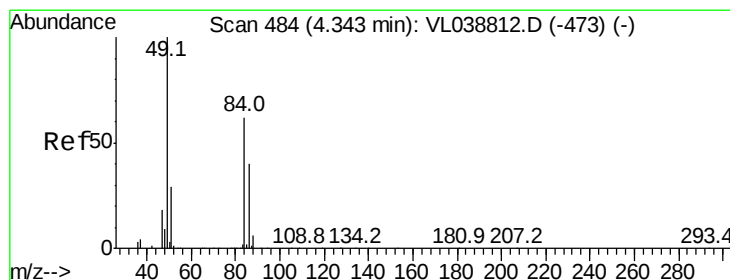
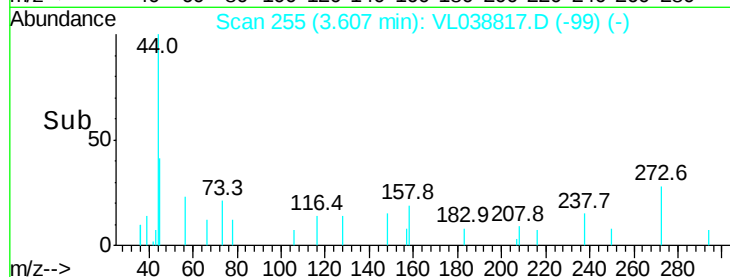
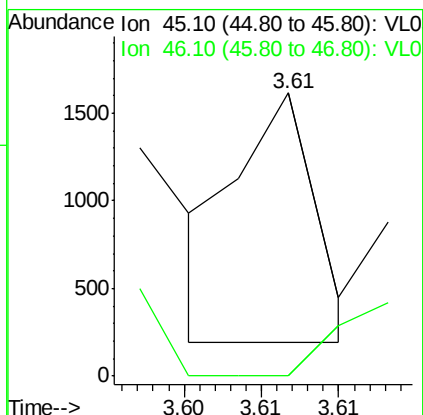
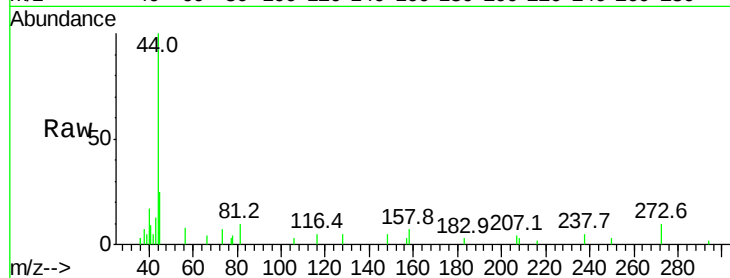
Ion 67.00 (66.70 to 67.70): VL0





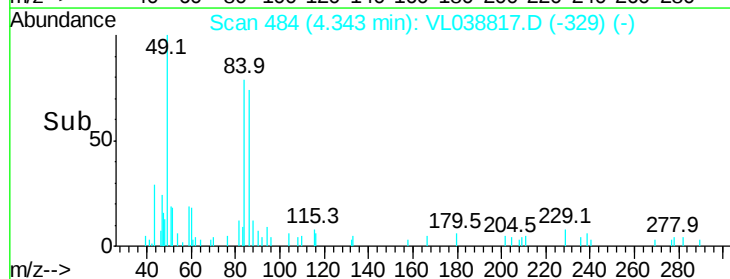
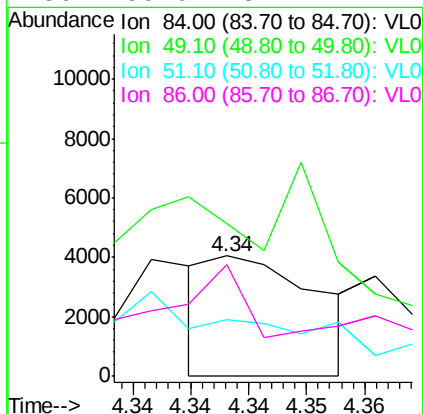
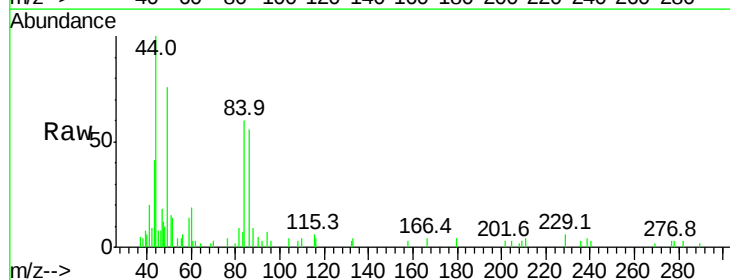
#13
 Ethanol
 Concen: 0.06 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 19:03

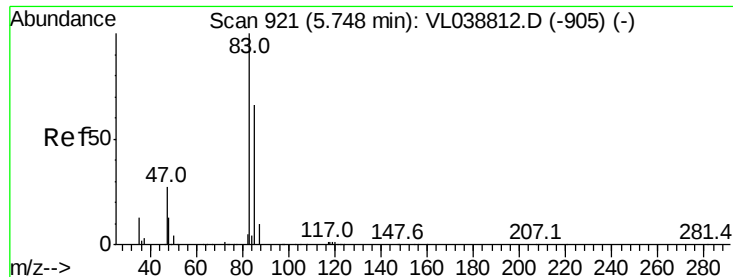
Tgt Ion: 45 Resp: 503
 Ion Ratio Lower Upper
 45 100
 46 0.0 0.0 0.0



#20
 Methylene Chloride
 Concen: 0.05 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. -0.00 min
 Lab File: VL038817.D
 Acq: 5 Apr 2022 19:03

Tgt Ion: 84 Resp: 2607
 Ion Ratio Lower Upper
 84 100
 49 65.3 129.4 194.0#
 51 24.8 37.4 56.2#
 86 159.0 51.4 77.2#





#29

Chloroform

Concen: 0.03 ppbv

RT: 5.75 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.03

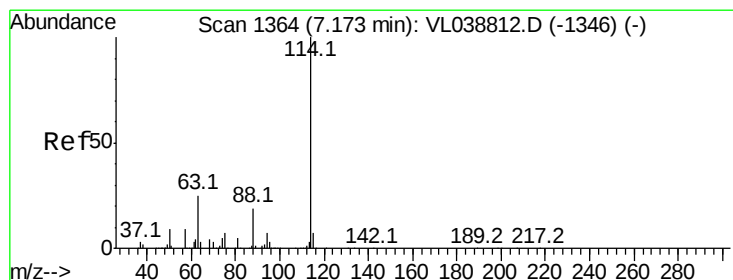
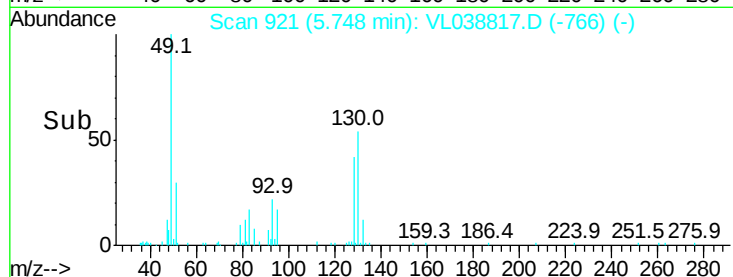
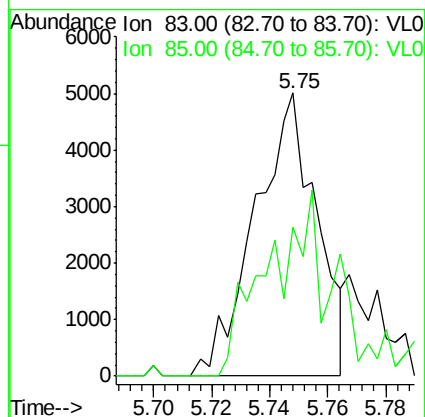
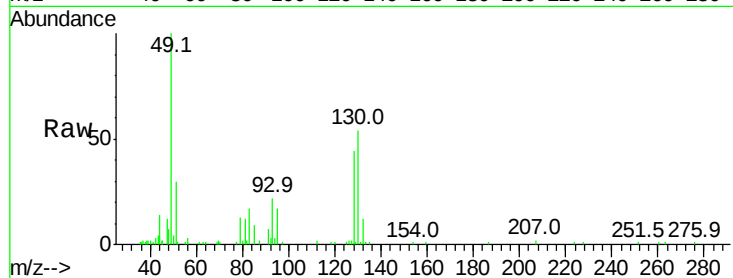
Acq: 5 Apr 2022 19:03

Tgt Ion: 83 Resp: 7386

Ion Ratio Lower Upper

83 100

85 52.7 52.5 78.7



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL038817.D

Acq: 5 Apr 2022 19:03

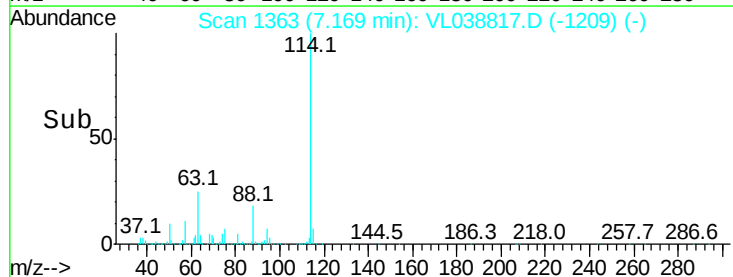
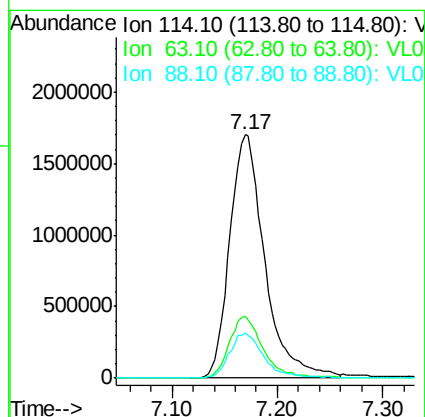
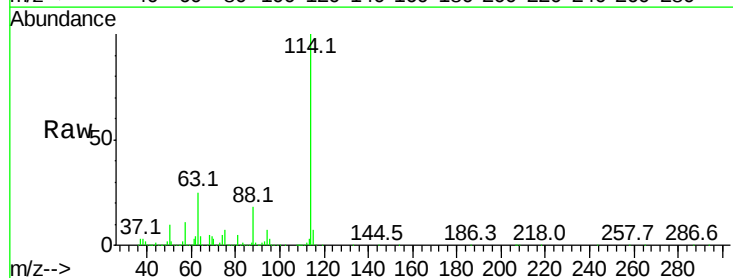
Tgt Ion: 114 Resp: 3924590

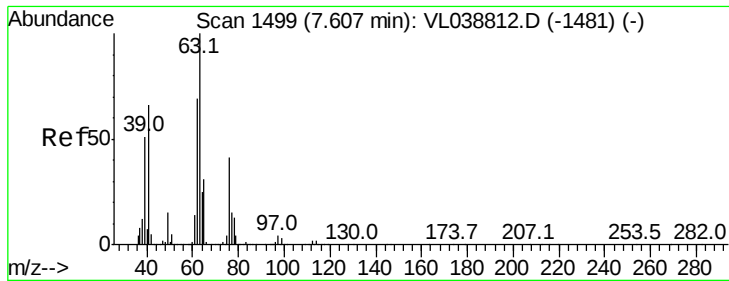
Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.8

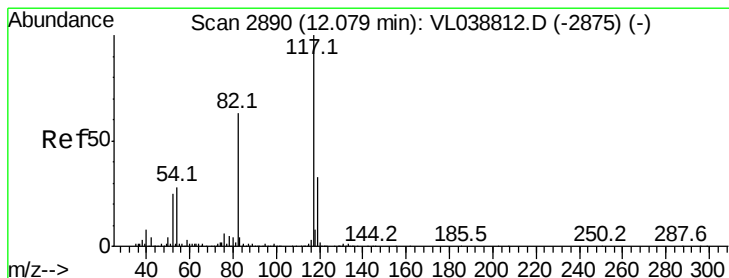
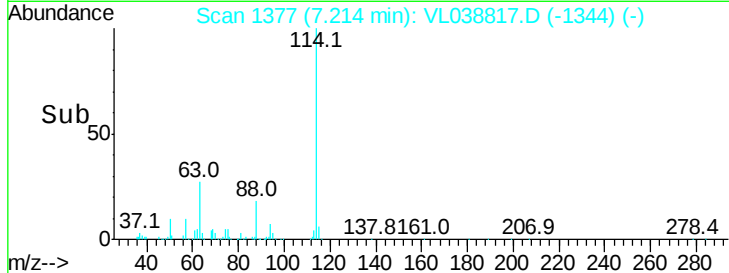
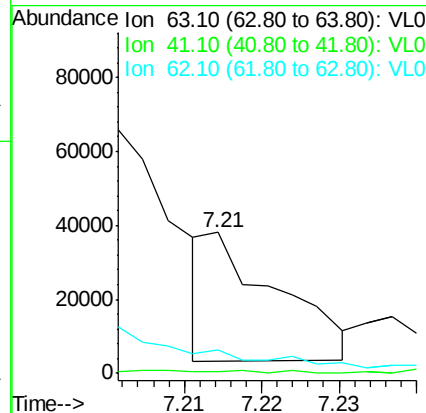
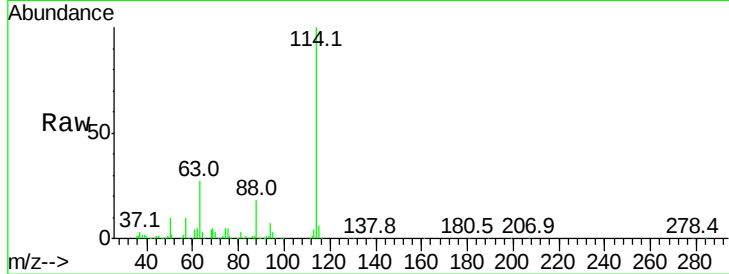
88 18.5 14.2 21.4





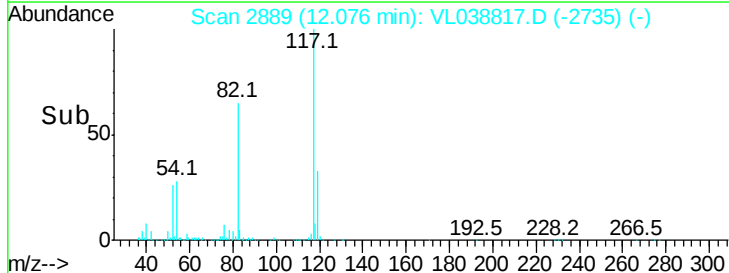
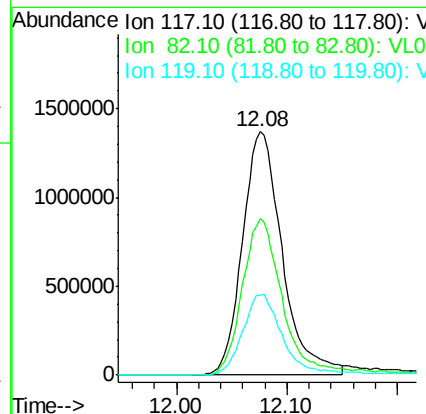
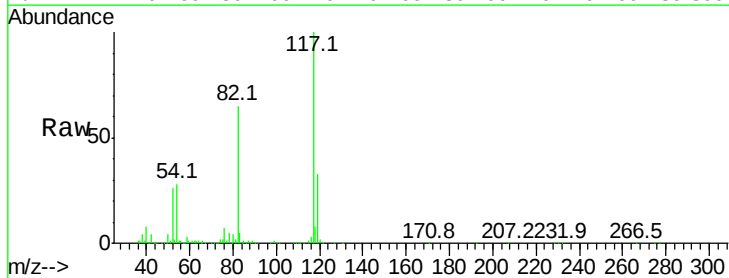
#39
 1,2-Dichloropropane
 Concen: 0.19 ppbv
 RT: 7.21 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC003
 Acq: 5 Apr 2022 19:03

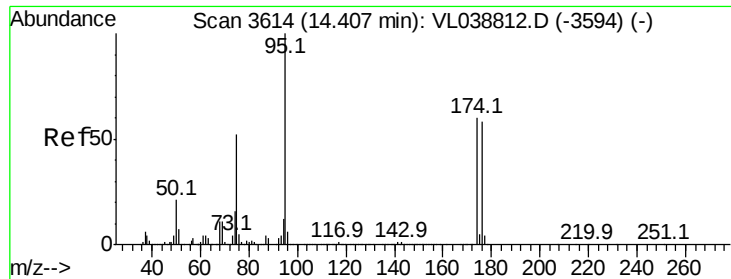
Tgt Ion	Ratio	Lower	Upper
63	100		
41	1.1	53.0	79.6#
62	14.1	55.0	82.4#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T.: -0.00 min
 Lab File: VL038817.D
 Acq: 5 Apr 2022 19:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.9	53.0	79.6
119	34.6	24.9	37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.03 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

VSTDIC003

Acq: 5 Apr 2022 19:03

Tgt Ion: 95 Resp: 2634724

Ion Ratio Lower Upper

95 100

174 64.3 52.0 78.0

175 4.6 4.0 6.0

