

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040014.D
 Acq On : 13 Dec 2022 20:52
 Operator : SY/MD
 Sample : N5971-12DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Dec 14 02:40:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

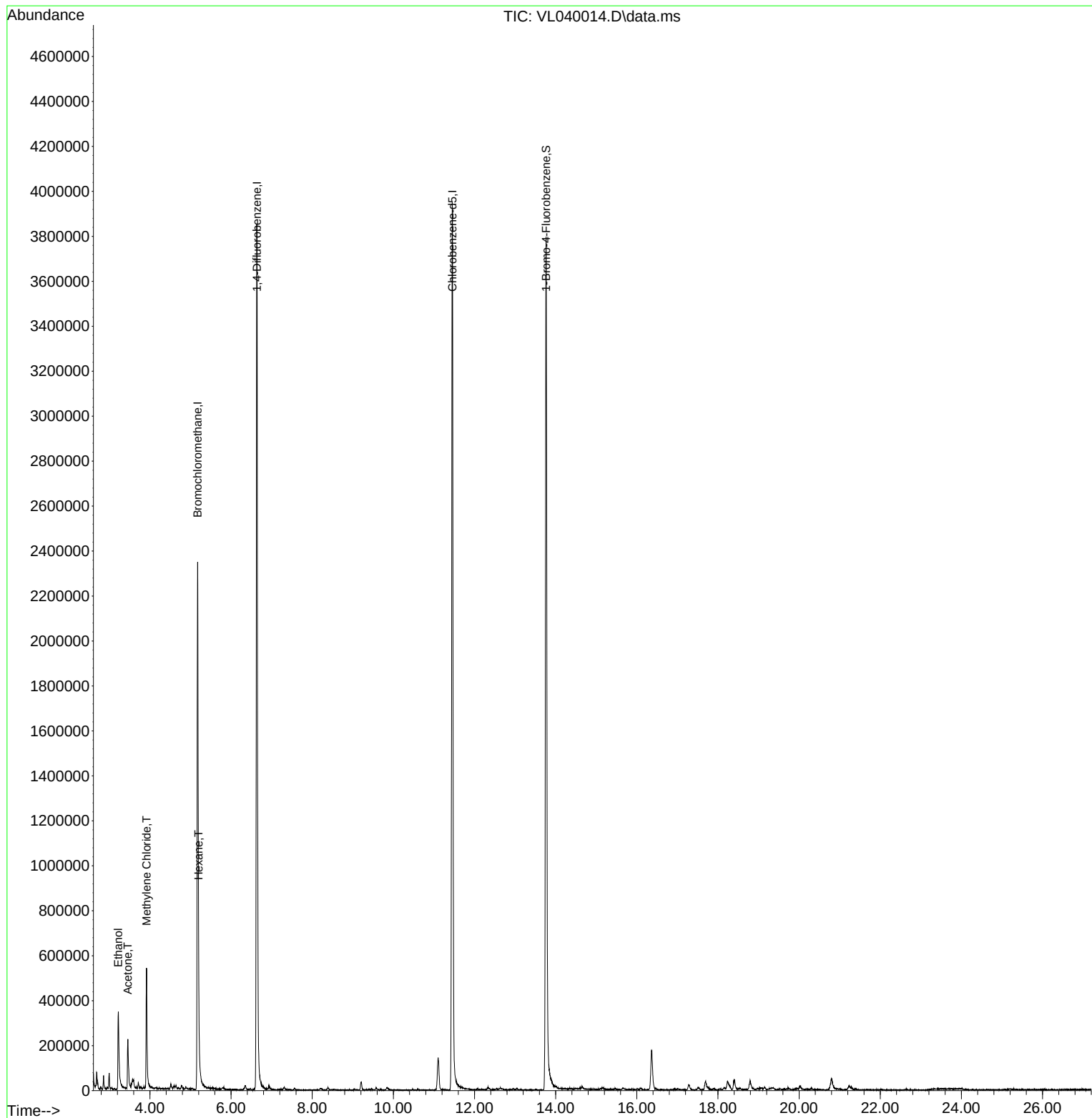
Internal Standards						
1) Bromochloromethane	5.176	49	1114708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.636	114	3028427	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2641990	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2010213	9.961	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
13) Ethanol	3.221	45	385636	69.711	ppbv	98
15) Acetone	3.456	43	220081	1.489	ppbv	98
20) Methylene Chloride	3.919	84	180881	2.525	ppbv	99
26) Hexane	5.198	57	93414	0.788	ppbv #	40

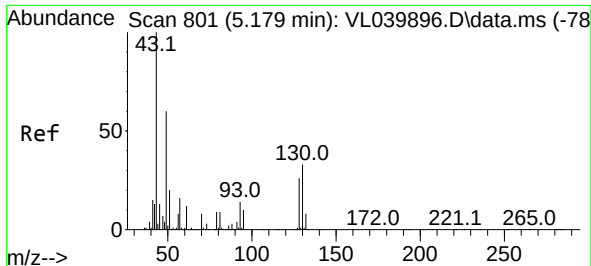
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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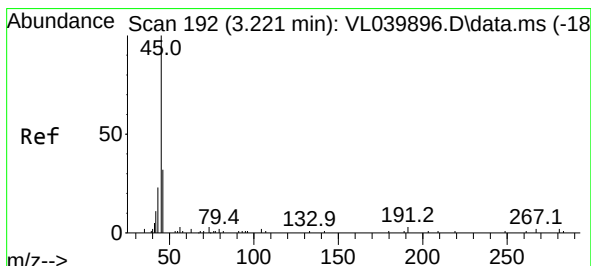
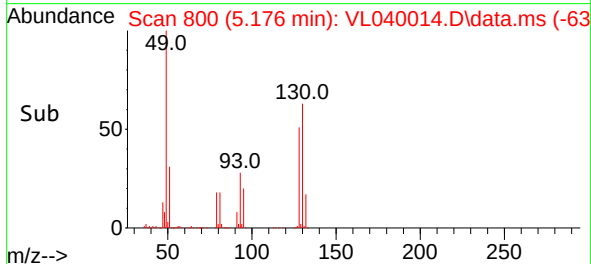
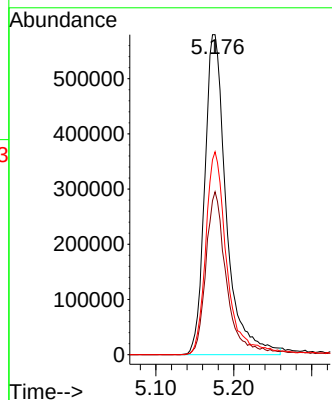
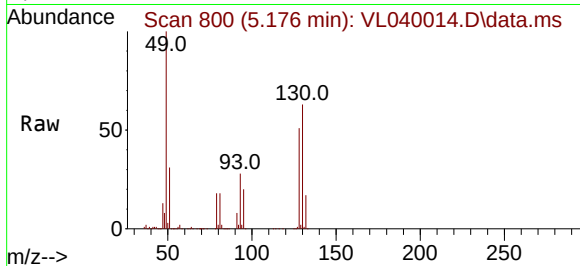




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 801
Delta R.T. 0.020 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

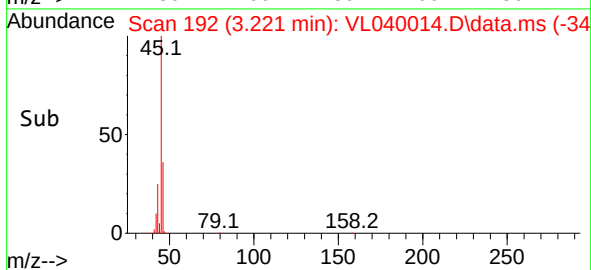
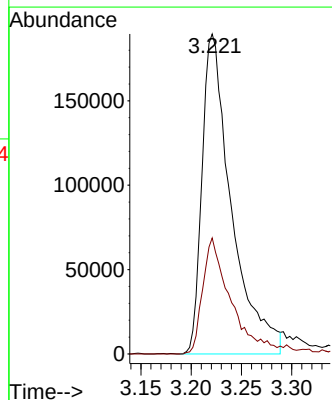
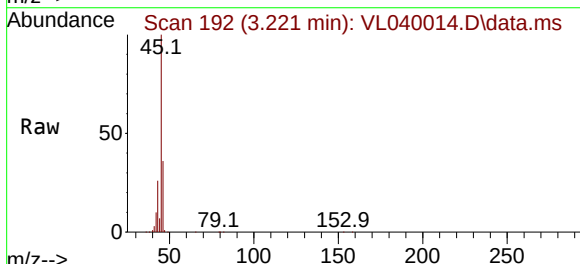
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

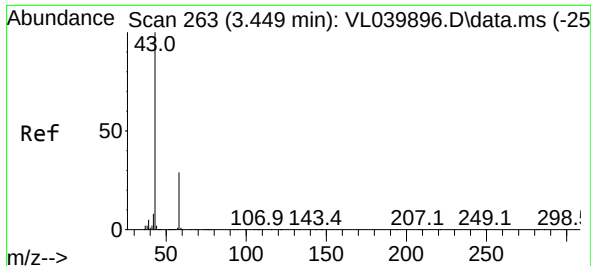
Tgt Ion: 49 Resp: 1114708
Ion Ratio Lower Upper
49 100
128 50.6 22.1 66.3
130 63.9 27.7 83.1



#13
Ethanol
Concen: 69.711 ppbv
RT: 3.221 min Scan# 192
Delta R.T. 0.007 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 45 Resp: 385636
Ion Ratio Lower Upper
45 100
46 37.6 14.6 58.2

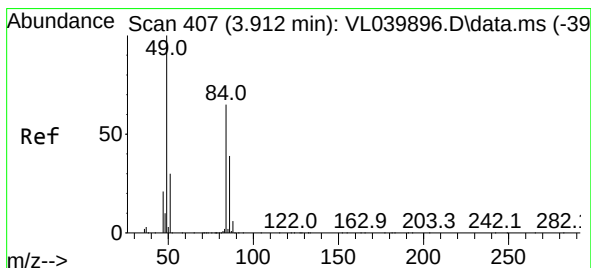
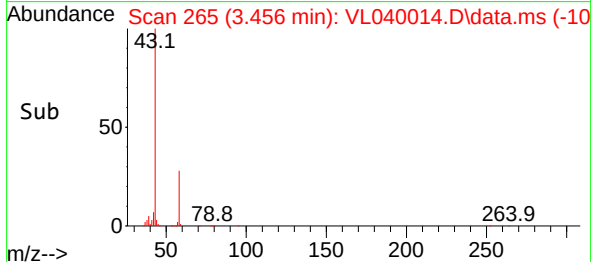
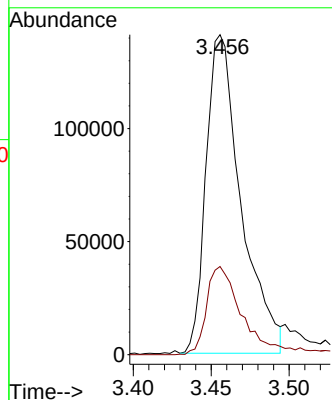
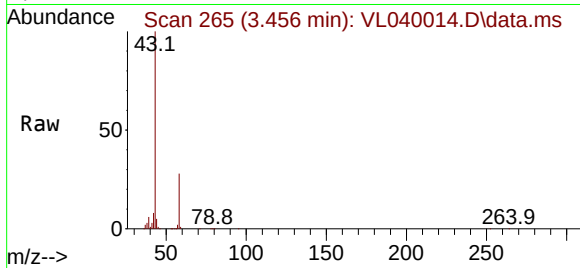




#15
 Acetone
 Concen: 1.489 ppbv
 RT: 3.456 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

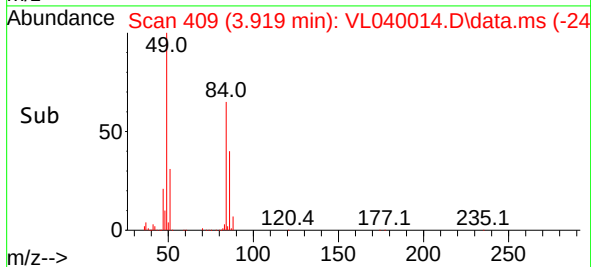
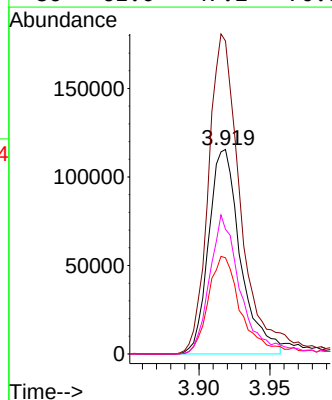
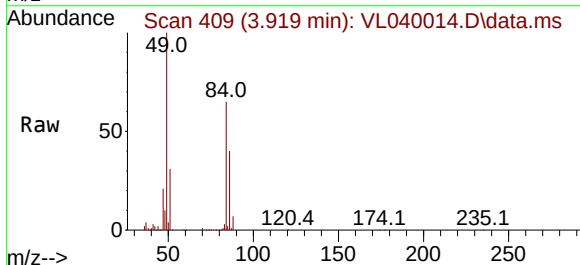
Instrument :
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 ClientSampleId :
 IA-3DL

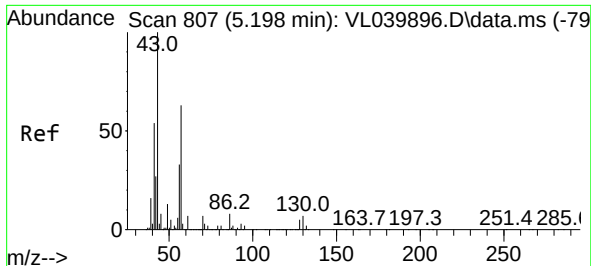
Tgt Ion: 43 Resp: 220081
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.9 34.3



#20
 Methylene Chloride
 Concen: 2.525 ppbv
 RT: 3.919 min Scan# 409
 Delta R.T. 0.023 min
 Lab File: VL040014.D
 Acq: 13 Dec 2022 20:52

Tgt Ion: 84 Resp: 180881
 Ion Ratio Lower Upper
 84 100
 49 152.5 122.2 183.4
 51 46.8 36.3 54.5
 86 61.0 47.2 70.8

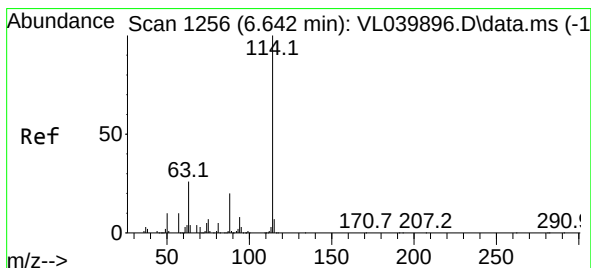
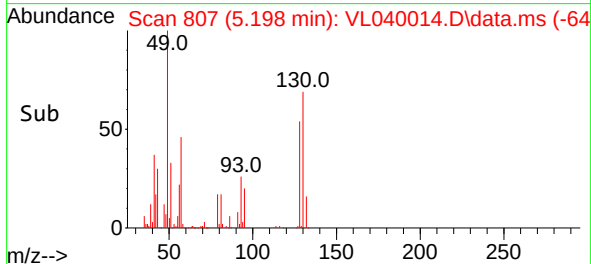
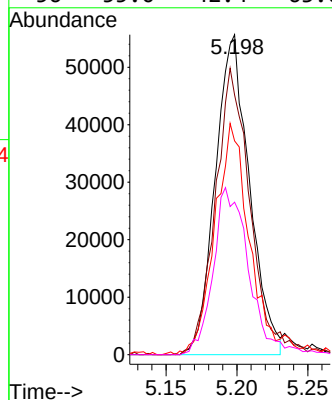
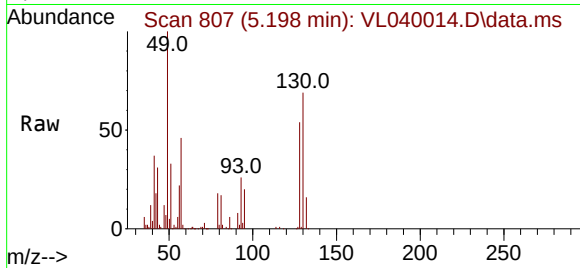




#26
Hexane
Concen: 0.788 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

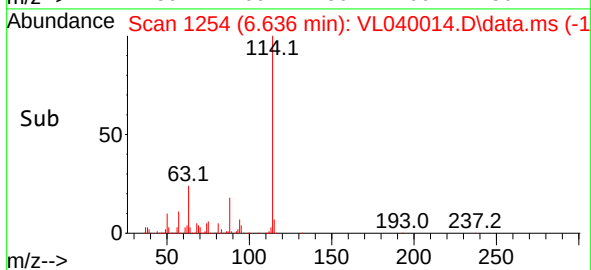
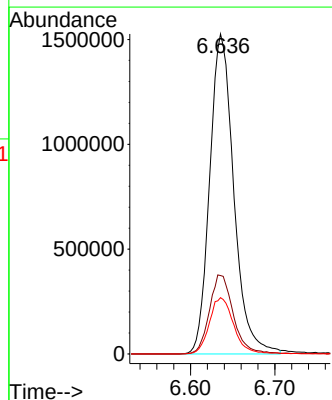
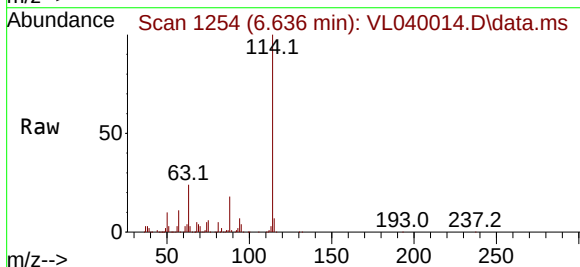
Instrument :
MSVOA_L
ClientSampleId :
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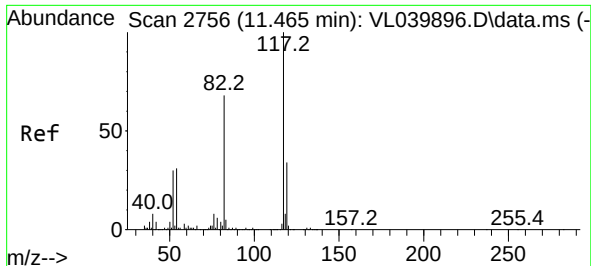
Tgt Ion: 57	Resp: 93414
Ion Ratio	Lower Upper
57 100	
41 93.1	72.3 108.5
43 76.1	188.7 283.1#
56 55.0	42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.636 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion:114	Resp: 3028427		
Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.4	32.0
88	17.9	15.3	22.9

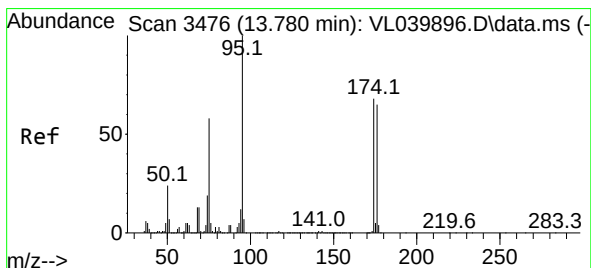
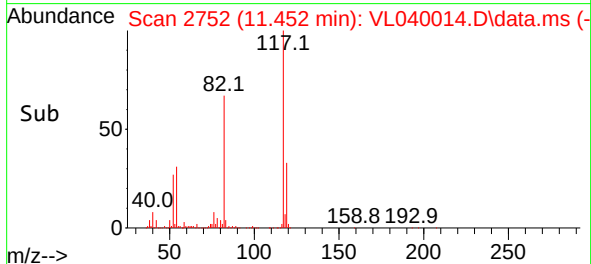
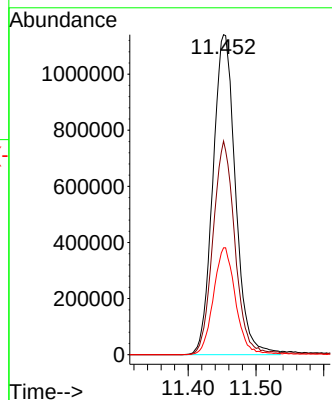
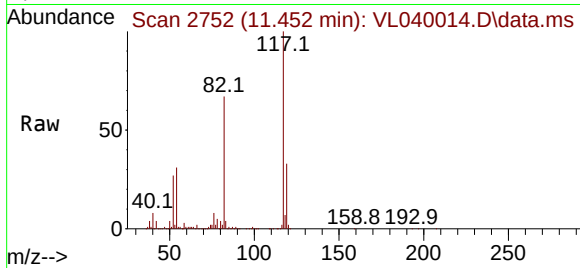




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion:117 Resp: 2641990
Ion Ratio Lower Upper
117 100
82 65.2 52.3 78.5
119 33.2 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.961 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.023 min
Lab File: VL040014.D
Acq: 13 Dec 2022 20:52

Tgt Ion: 95 Resp: 2010213
Ion Ratio Lower Upper
95 100
174 62.2 53.7 80.5
175 4.5 4.0 6.0

