

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041194.D
 Acq On : 2 May 2024 13:56
 Operator : SY/MD
 Sample : P2334-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS01-20240425DL

Quant Time: May 03 03:40:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 03 03:34:47 2024
 Response via : Initial Calibration

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

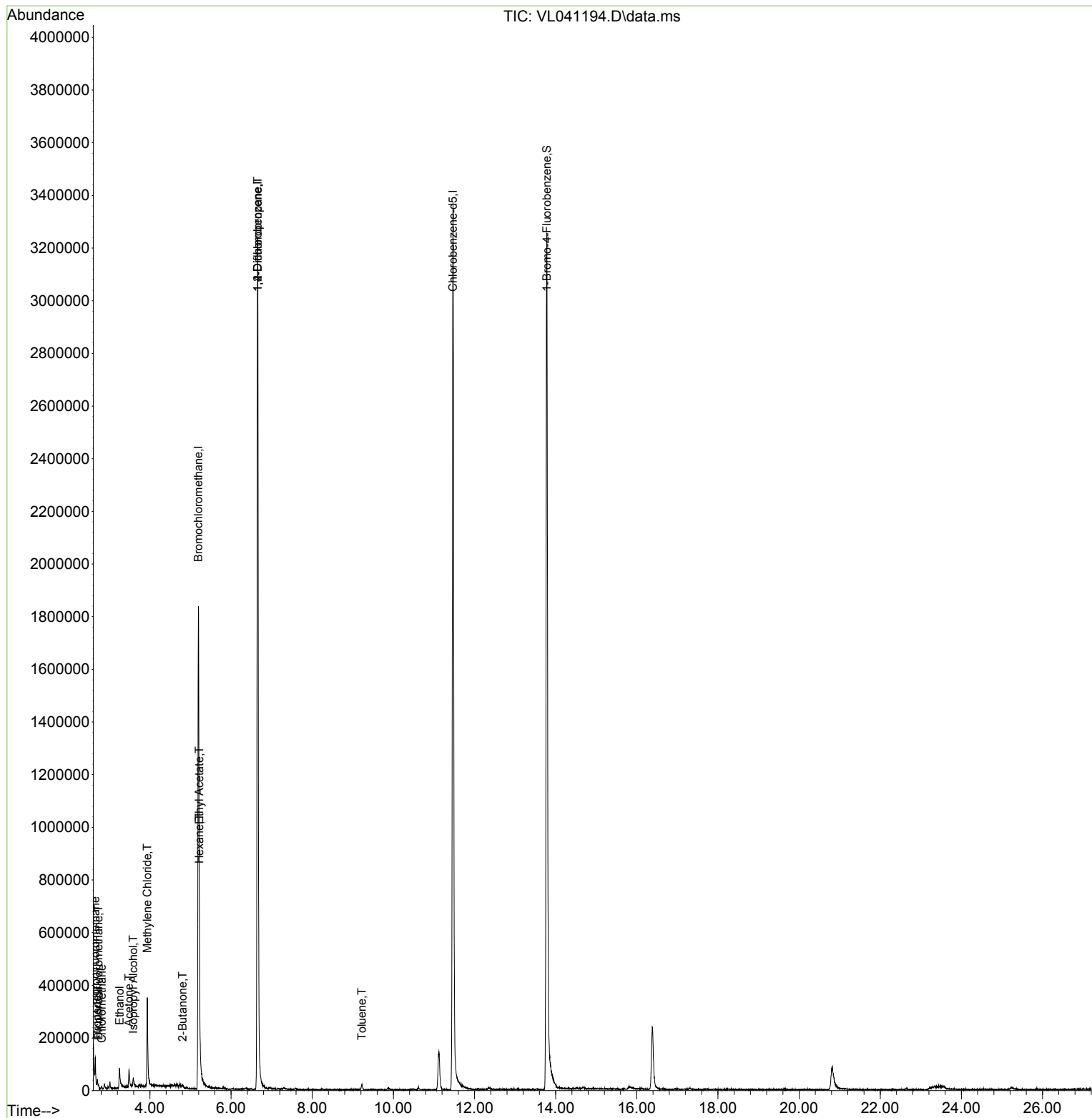
Internal Standards						
1) Bromochloromethane	5.195	49	937606	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2508064	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2269066	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1742196	10.170	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	7528	0.059	ppbv	91
3) Chlorodifluoromethane	2.655	51	66960	0.470	ppbv #	63
4) Chloromethane	2.816	50	2140	0.038	ppbv	94
9) Propene	2.697	41	2671	0.048	ppbv #	1
13) Ethanol	3.253	45	86071	6.890	ppbv	98
15) Acetone	3.481	43	62850	0.568	ppbv	94
19) Isopropyl Alcohol	3.591	45	35235	0.485	ppbv #	49
20) Methylene Chloride	3.935	84	107058	2.782	ppbv	91
25) Ethyl Acetate	5.214	43	81502	0.369	ppbv #	79
26) Hexane	5.218	57	104151	1.057	ppbv #	43
34) 2-Butanone	4.806	43	4674	0.037	ppbv #	77
39) 1,2-Dichloropropane	6.655	63	647387	7.981	ppbv #	24
53) Toluene	9.224	91	11936	0.049	ppbv #	81

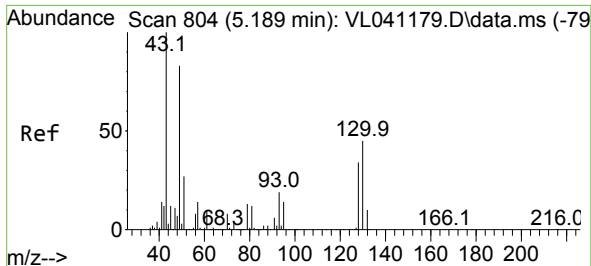
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BA-03-SS01-20240425DL

Quant Time: May 03 03:40:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration

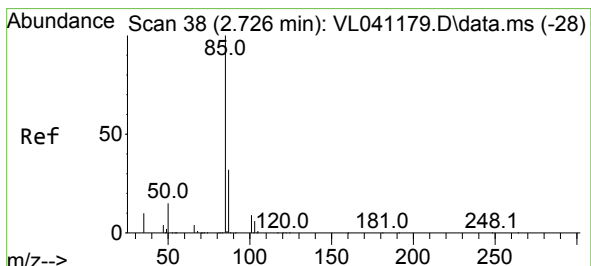
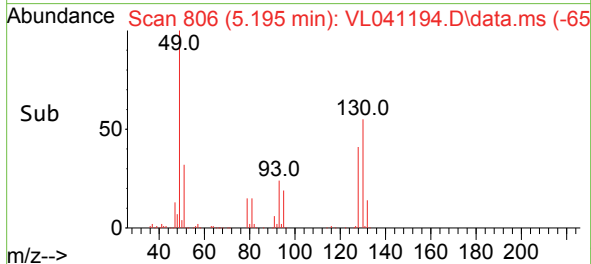
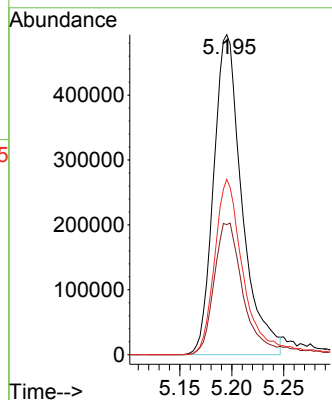
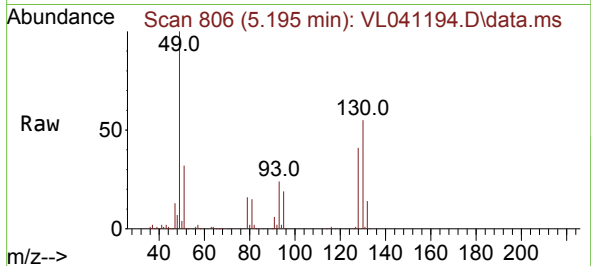




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

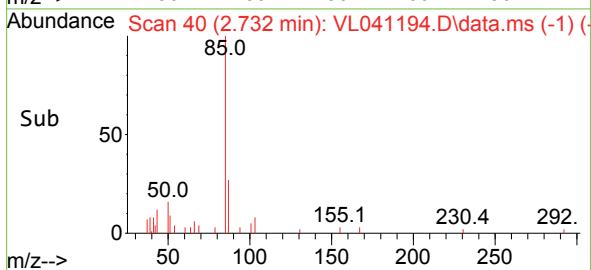
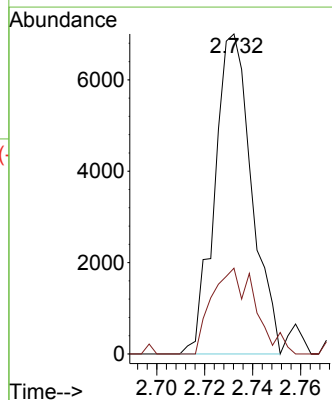
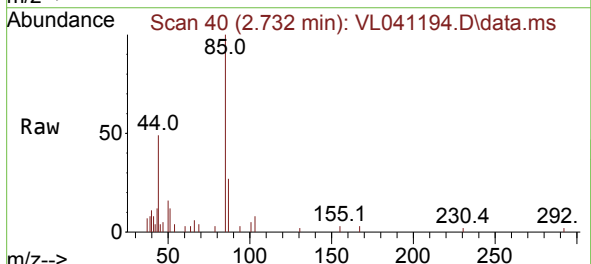
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425DL

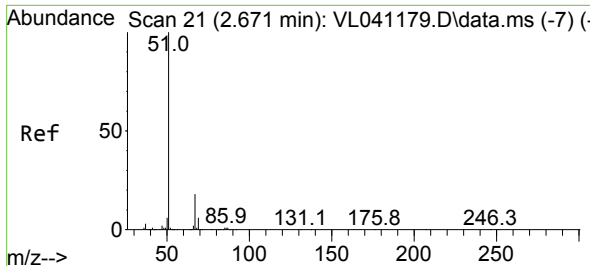
Tgt Ion: 49 Resp: 937606
Ion Ratio Lower Upper
49 100
128 45.0 21.5 64.5
130 58.2 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Tgt Ion: 85 Resp: 7528
Ion Ratio Lower Upper
85 100
87 26.8 25.7 38.5

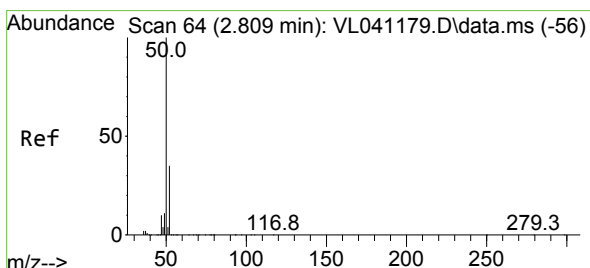
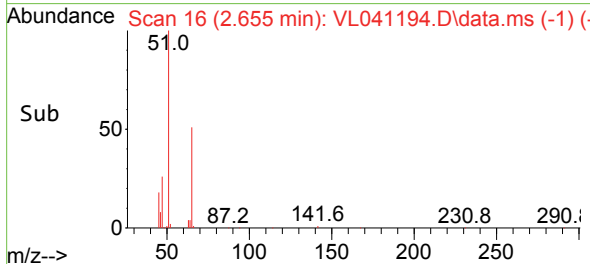
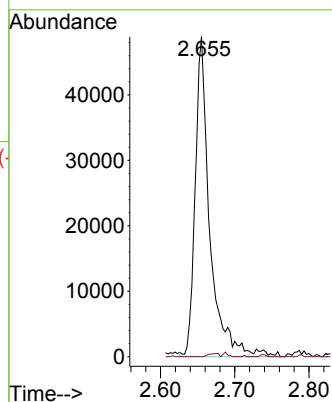
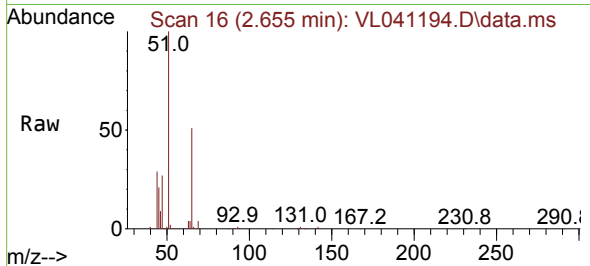




#3
Chlorodifluoromethane
Concen: 0.470 ppbv
RT: 2.655 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

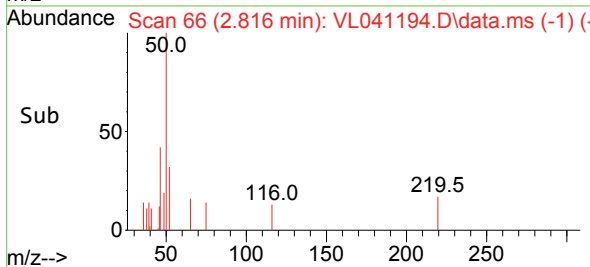
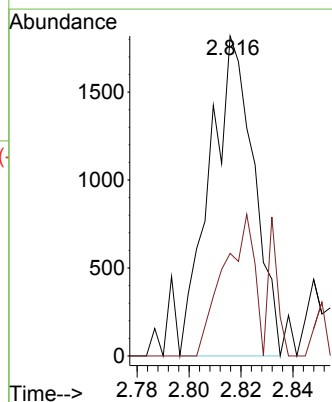
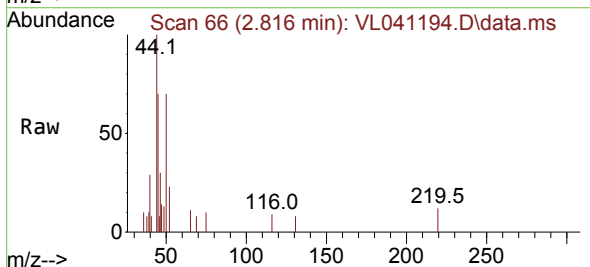
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425DL

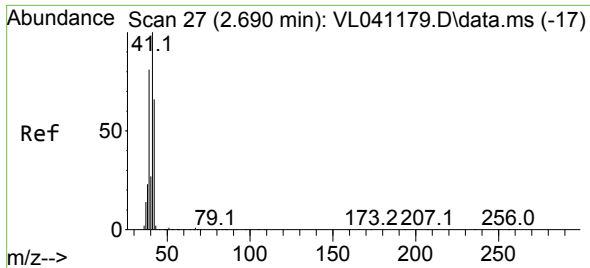
Tgt Ion: 51 Resp: 66960
Ion Ratio Lower Upper
51 100
67 1.2 14.0 21.0#



#4
Chloromethane
Concen: 0.038 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Tgt Ion: 50 Resp: 2140
Ion Ratio Lower Upper
50 100
52 32.1 28.3 42.5

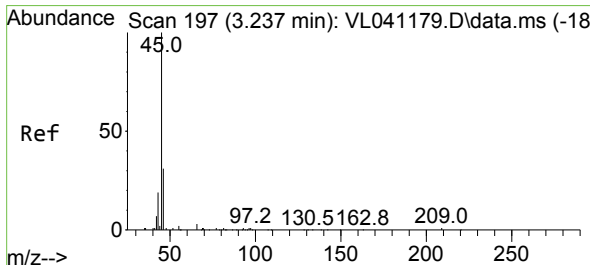
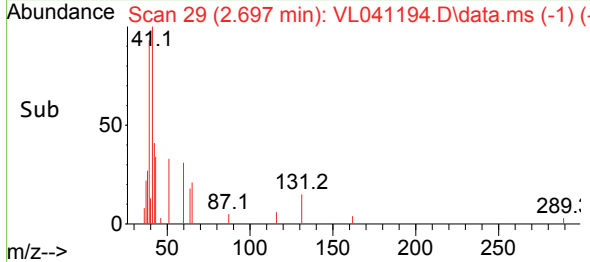
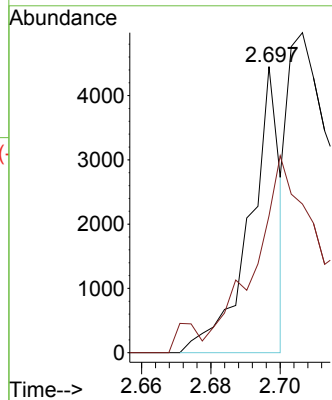
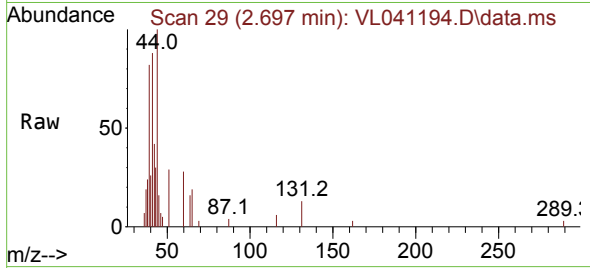




#9
 Propene
 Concen: 0.048 ppbv
 RT: 2.697 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VL041194.D
 Acq: 2 May 2024 13:56

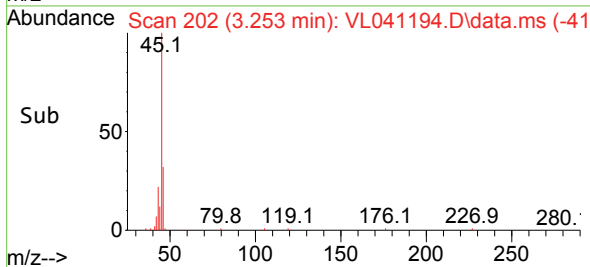
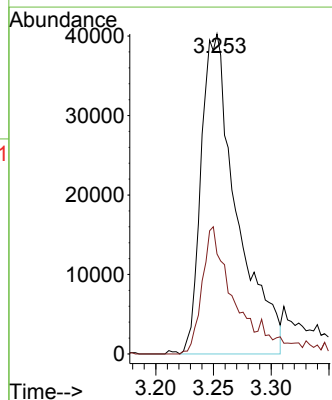
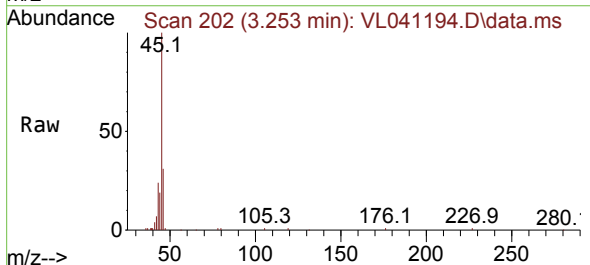
Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS01-20240425DL

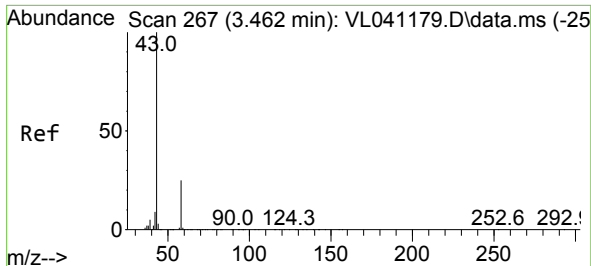
Tgt Ion: 41 Resp: 2671
 Ion Ratio Lower Upper
 41 100
 42 175.0 55.3 82.9#



#13
 Ethanol
 Concen: 6.890 ppbv
 RT: 3.253 min Scan# 202
 Delta R.T. 0.016 min
 Lab File: VL041194.D
 Acq: 2 May 2024 13:56

Tgt Ion: 45 Resp: 86071
 Ion Ratio Lower Upper
 45 100
 46 38.2 14.8 59.0





#15

Acetone

Concen: 0.568 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041194.D

Acq: 2 May 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

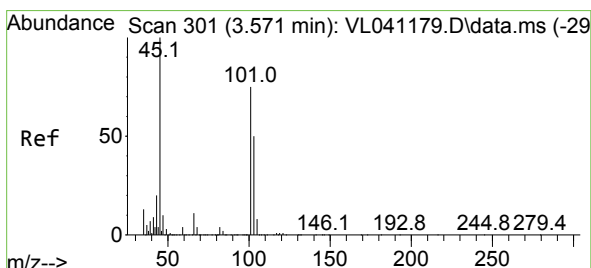
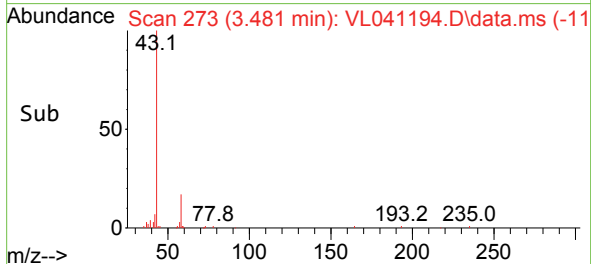
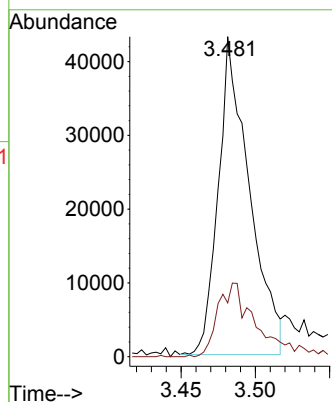
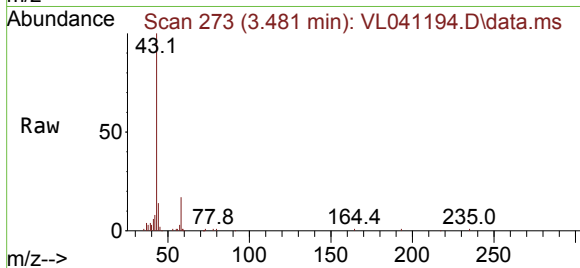
BA-03-SS01-20240425DL

Tgt Ion: 43 Resp: 62850

Ion Ratio Lower Upper

43 100

58 29.6 21.4 32.0



#19

Isopropyl Alcohol

Concen: 0.485 ppbv

RT: 3.591 min Scan# 307

Delta R.T. 0.019 min

Lab File: VL041194.D

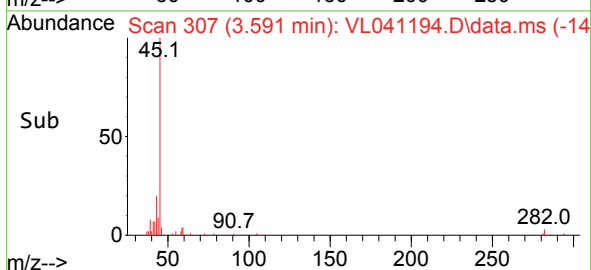
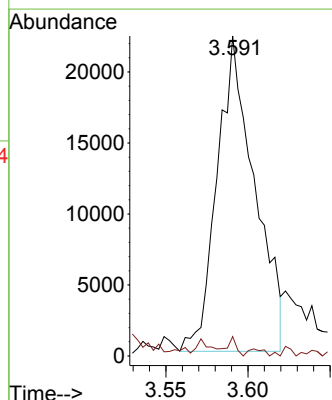
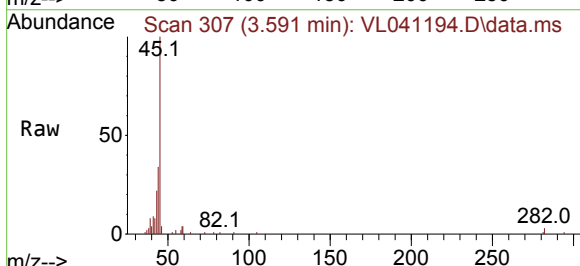
Acq: 2 May 2024 13:56

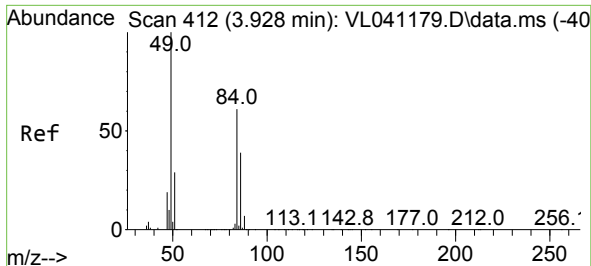
Tgt Ion: 45 Resp: 35235

Ion Ratio Lower Upper

45 100

58 4.4 26.8 40.2#



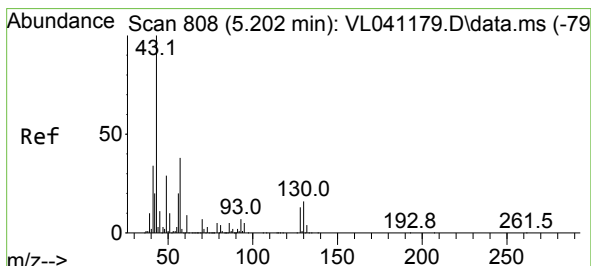
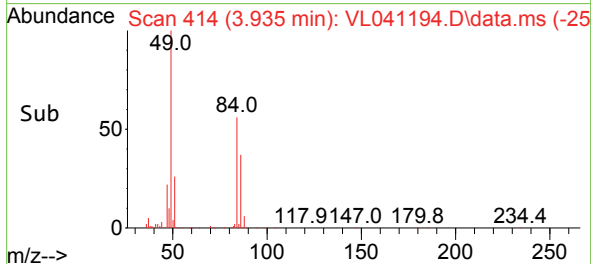
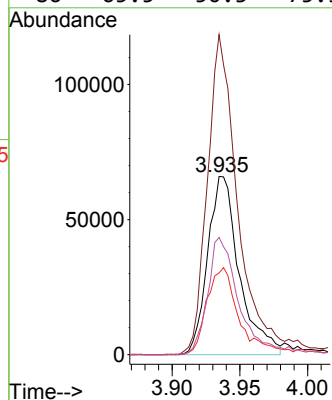
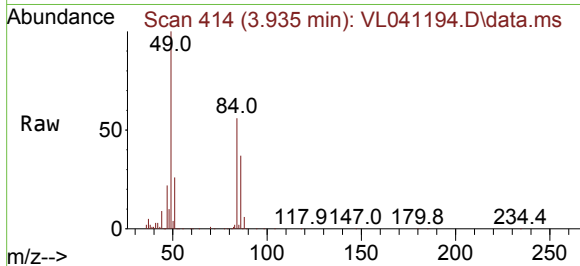


#20
Methylene Chloride
Concen: 2.782 ppbv
RT: 3.935 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425DL

Tgt Ion: 84 Resp: 107058

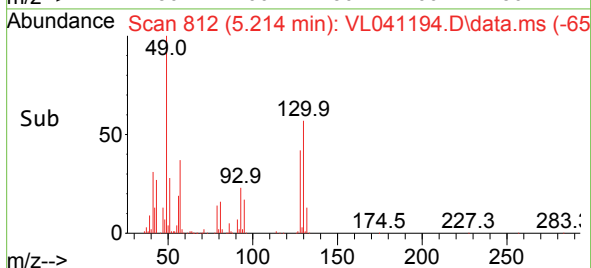
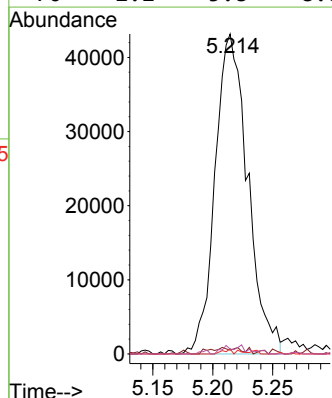
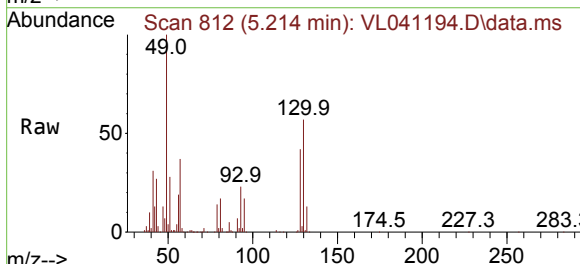
Ion	Ratio	Lower	Upper
84	100		
49	179.3	130.4	195.6
51	45.7	38.0	57.0
86	65.5	50.3	75.5

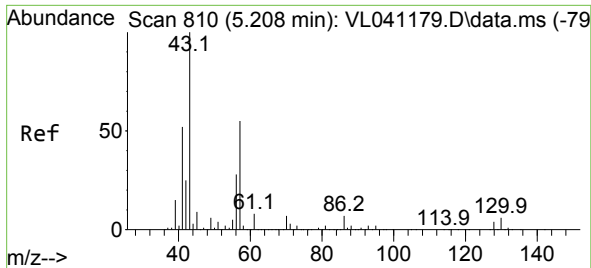


#25
Ethyl Acetate
Concen: 0.369 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.013 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Tgt Ion: 43 Resp: 81502

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.2	12.2#
61	0.9	7.7	11.5#
70	2.2	5.8	8.6#

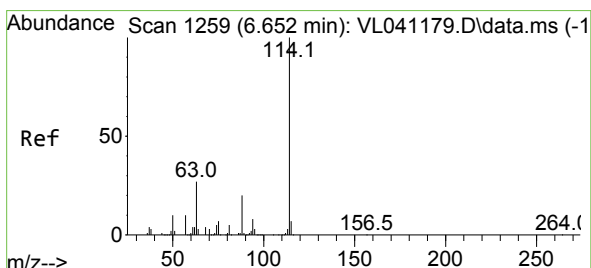
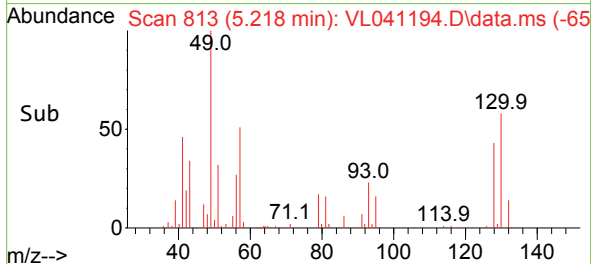
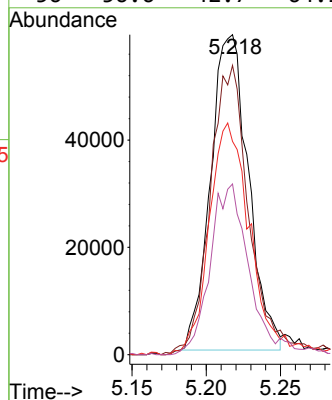
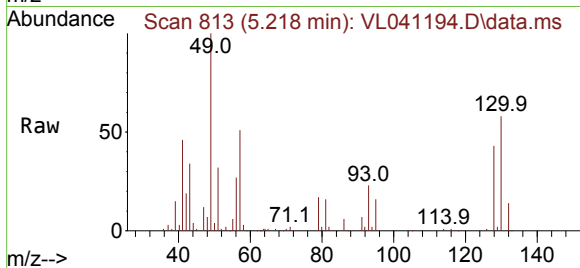




#26
Hexane
Concen: 1.057 ppbv
RT: 5.218 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

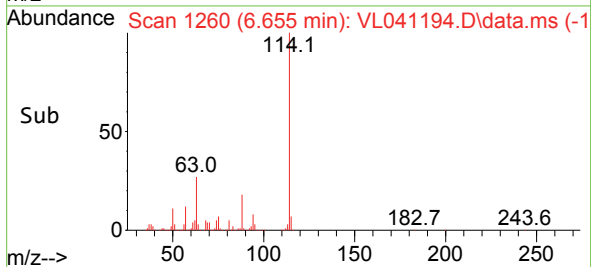
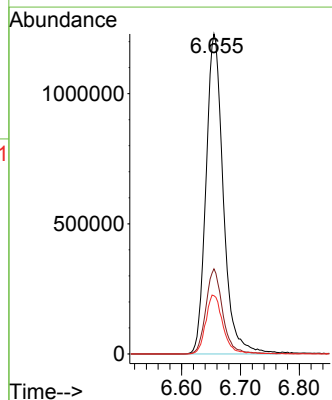
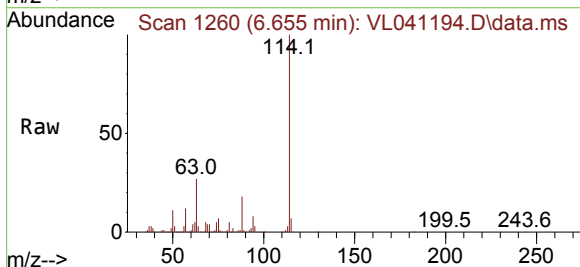
Instrument :
MSVOA_L
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BA-03-SS01-20240425DL

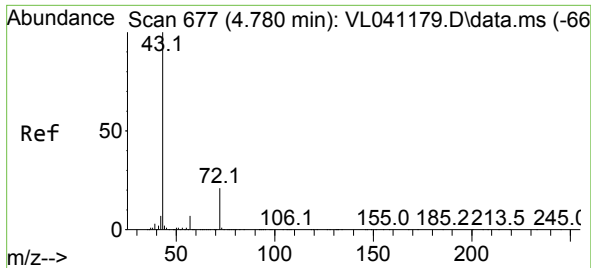
Tgt Ion: 57	Resp: 104151
Ion Ratio	Lower Upper
57 100	
41 97.6	75.8 113.8
43 82.8	187.0 280.4#
56 56.6	42.7 64.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Tgt Ion:114	Resp: 2508064		
Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.8	32.6
88	18.5	15.2	22.8

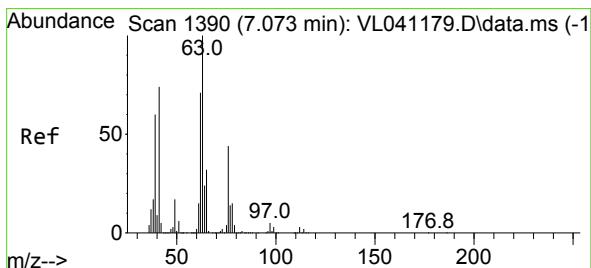
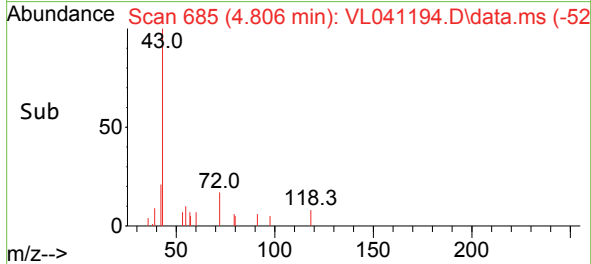
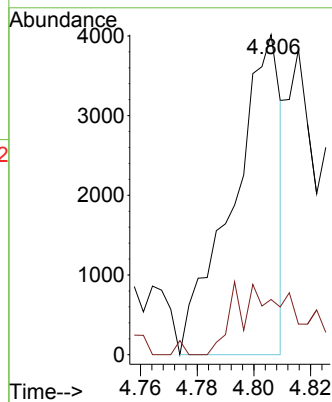
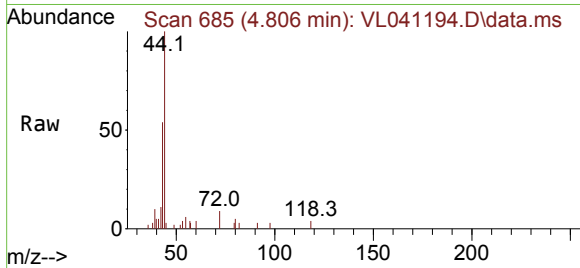




#34
2-Butanone
Concen: 0.037 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.023 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

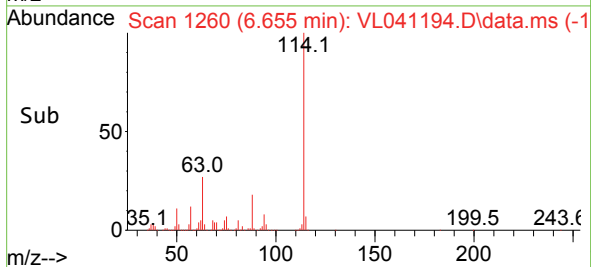
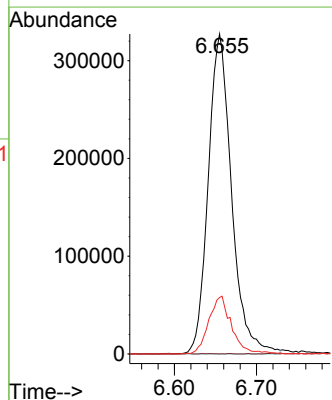
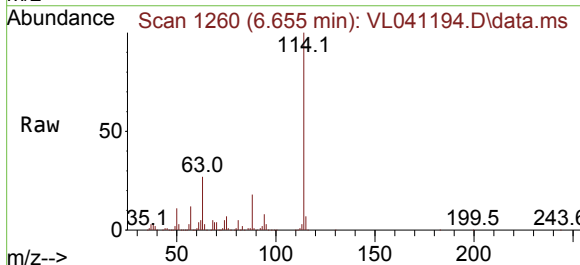
Instrument :
MSVOA_L
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BA-03-SS01-20240425DL

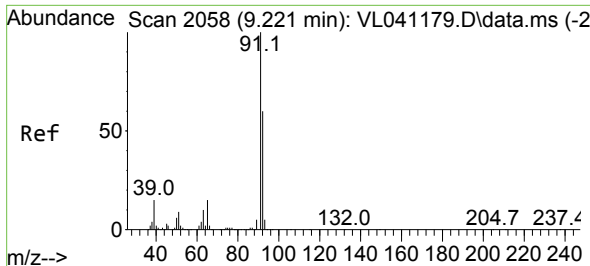
Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
72 32.4 17.3 25.9#



#39
1,2-Dichloropropane
Concen: 7.981 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.418 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

Tgt Ion: 63 Resp: 647387
Ion Ratio Lower Upper
63 100
41 0.0 59.4 89.0#
62 17.6 56.8 85.2#

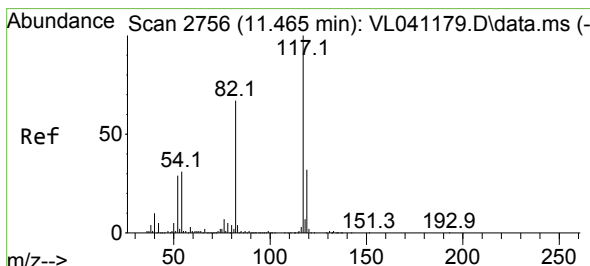
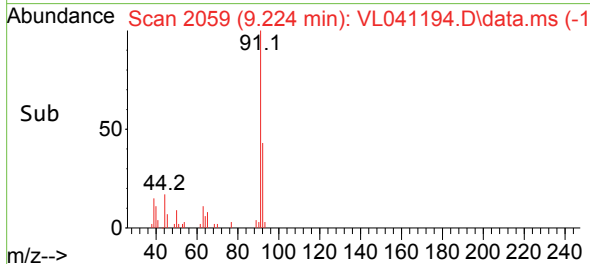
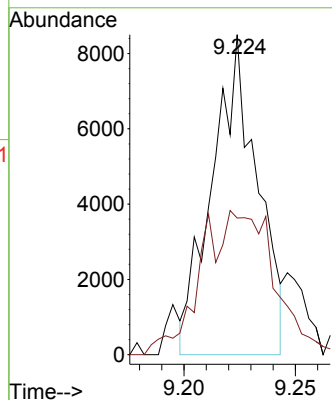
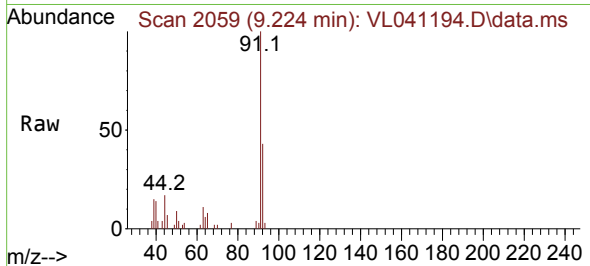




#53
Toluene
Concen: 0.049 ppbv
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

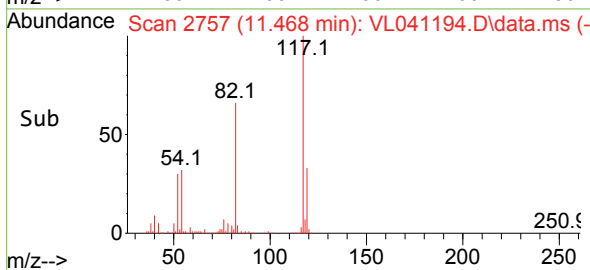
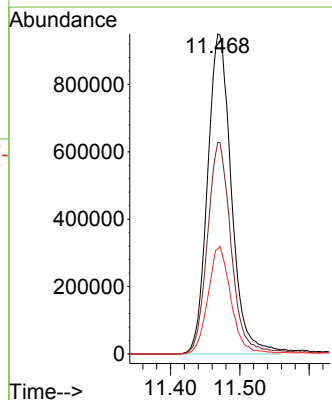
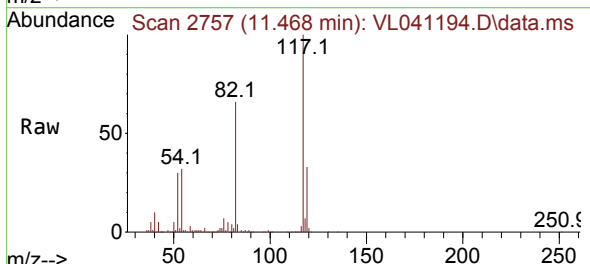
Instrument :
MSVOA_L
ClientSampleId :
BA-03-SS01-20240425DL

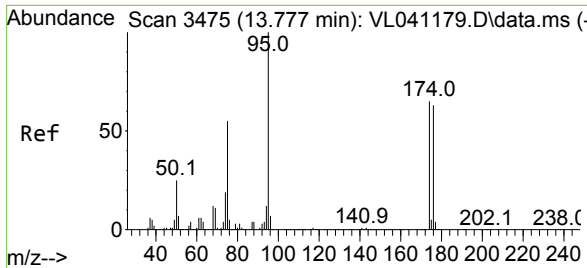
Tgt Ion: 91 Resp: 11936
Ion Ratio Lower Upper
91 100
92 74.5 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041194.D
Acq: 2 May 2024 13:56

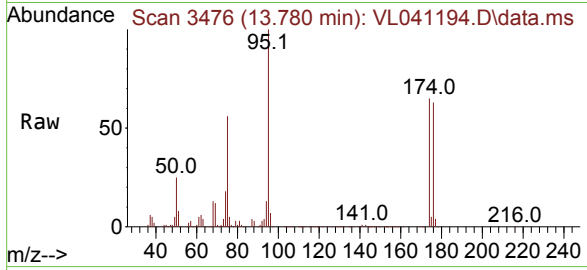
Tgt Ion: 117 Resp: 2269066
Ion Ratio Lower Upper
117 100
82 66.8 53.6 80.4
119 33.0 27.2 40.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.170 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. 0.007 min
 Lab File: VL041194.D
 Acq: 2 May 2024 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-SS01-20240425DL



Tgt Ion: 95 Resp: 1742196
 Ion Ratio Lower Upper
 95 100
 174 68.0 53.6 80.4
 175 4.6 4.2 6.4

