

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040054.D
 Acq On : 20 Dec 2022 13:18
 Operator : SY/MD
 Sample : N5971-11DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL2

Quant Time: Dec 21 03:55:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

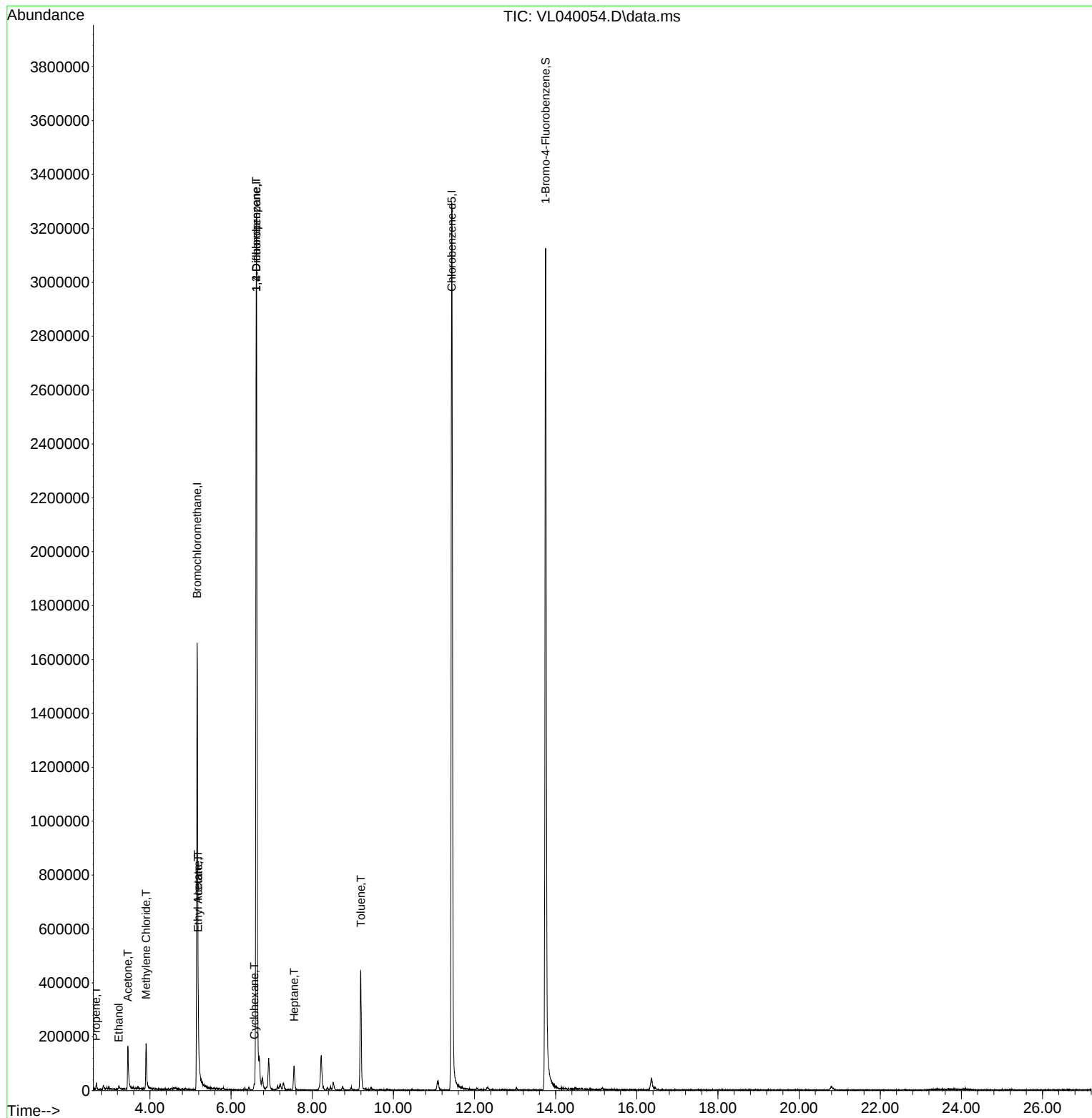
Internal Standards						
1) Bromochloromethane	5.163	49	848744	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.626	114	2492248	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2172825	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1652069	9.954	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
9) Propene	2.671	41	3261	0.061	ppbv #	16
10) Heptane	7.552	43	32972	0.254	ppbv	97
13) Ethanol	3.231	45	4875	0.975	ppbv #	1
15) Acetone	3.456	43	153138	1.166	ppbv	90
20) Methylene Chloride	3.906	84	55204	0.989	ppbv	95
25) Ethyl Acetate	5.189	43	15626	0.069	ppbv #	78
26) Hexane	5.185	57	21432	0.224	ppbv #	36
30) Cyclohexane	6.571	84	3257	0.038	ppbv #	1
39) 1,2-Dichloropropane	6.623	63	624187	7.482	ppbv #	23
53) Toluene	9.198	91	353425	1.434	ppbv	100

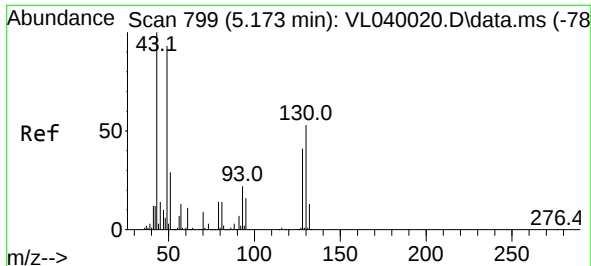
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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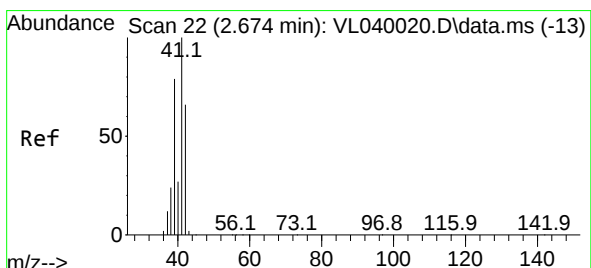
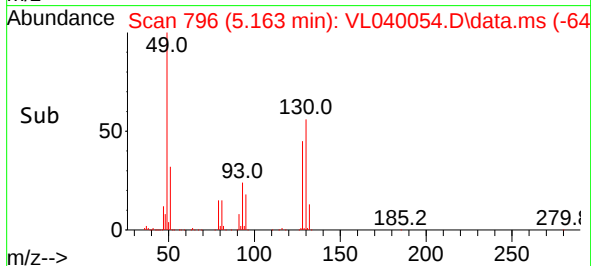
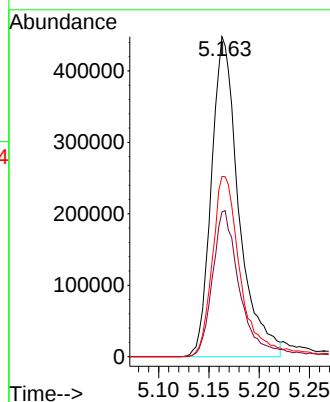
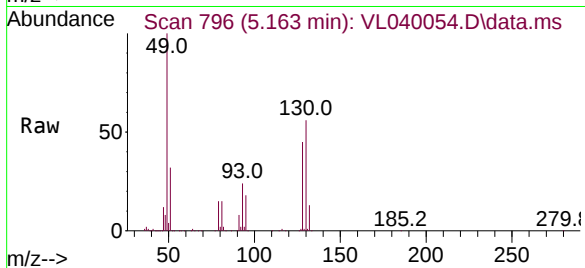




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.163 min Scan# 799
Delta R.T. -0.010 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

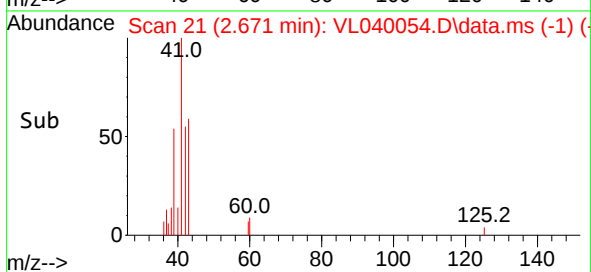
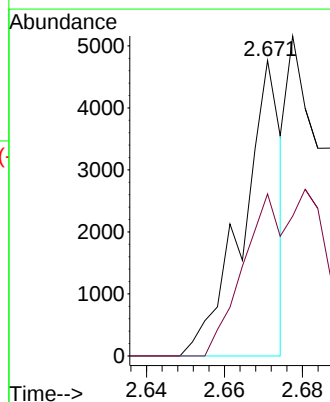
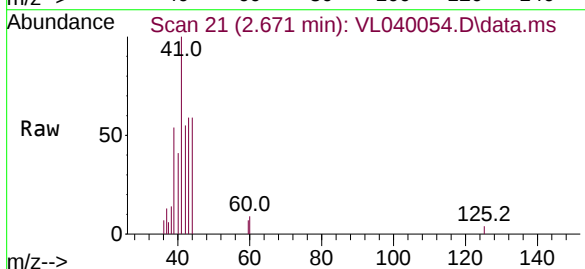
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

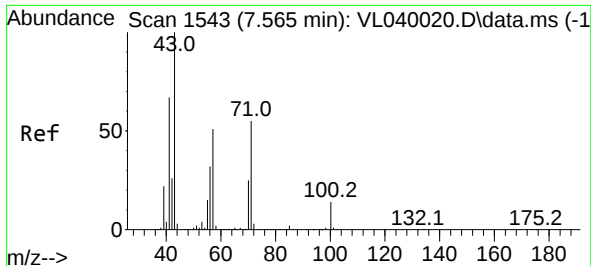
Tgt Ion: 49 Resp: 848744
Ion Ratio Lower Upper
49 100
128 47.6 22.4 67.3
130 59.9 28.9 86.8



#9
Propene
Concen: 0.061 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion: 41 Resp: 3261
Ion Ratio Lower Upper
41 100
42 0.0 54.8 82.2#

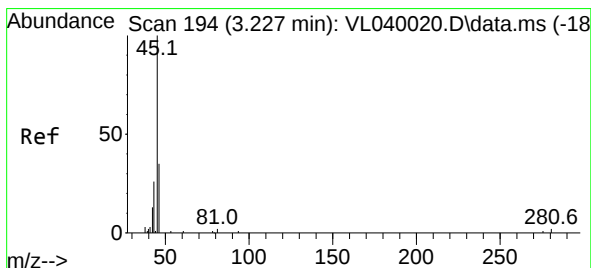
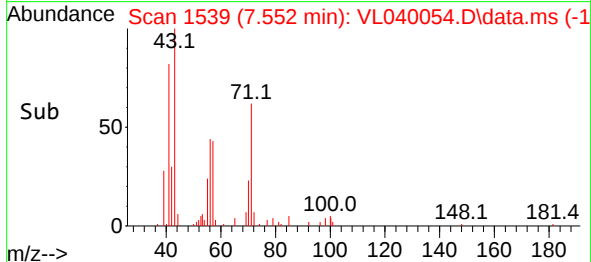
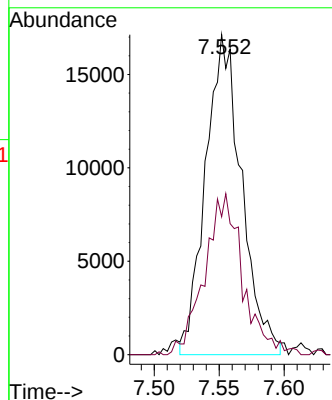
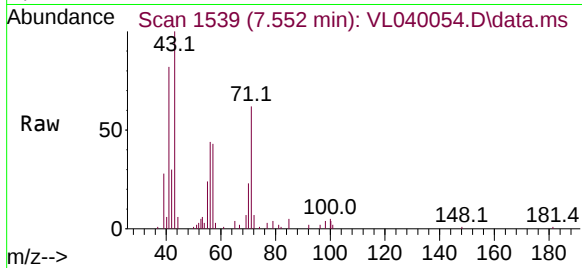




#10
Heptane
Concen: 0.254 ppbv
RT: 7.552 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

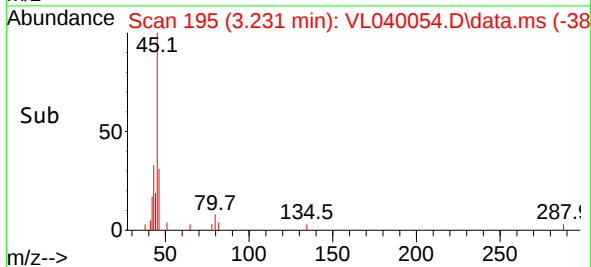
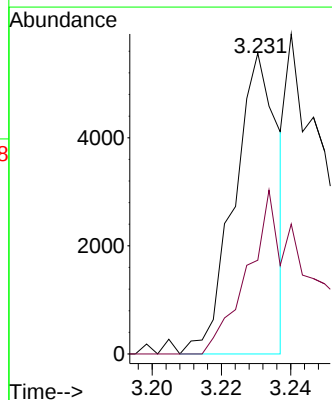
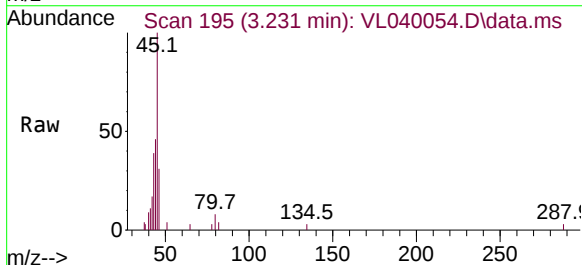
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

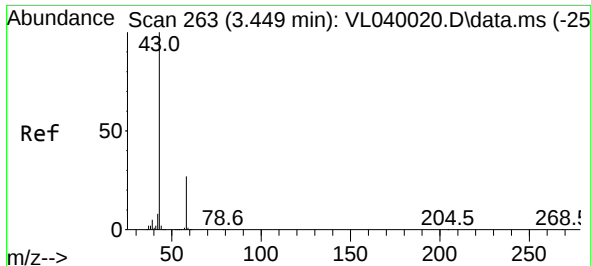
Tgt Ion: 43 Resp: 32972
Ion Ratio Lower Upper
43 100
57 53.7 41.2 61.8



#13
Ethanol
Concen: 0.975 ppbv
RT: 3.231 min Scan# 195
Delta R.T. 0.003 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion: 45 Resp: 4875
Ion Ratio Lower Upper
45 100
46 103.3 13.7 54.7#

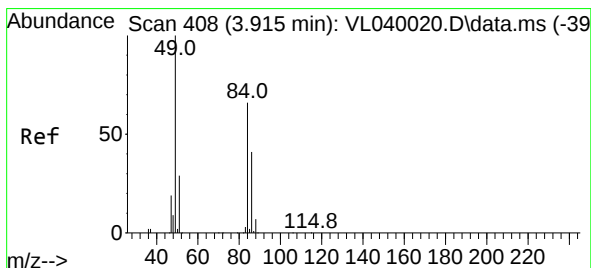
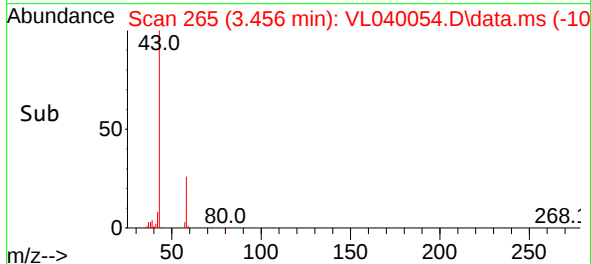
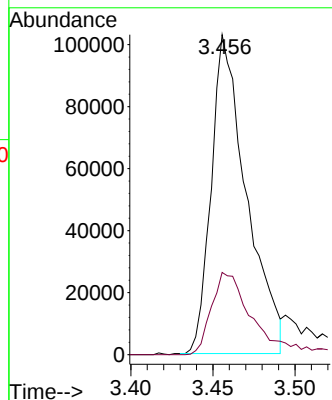
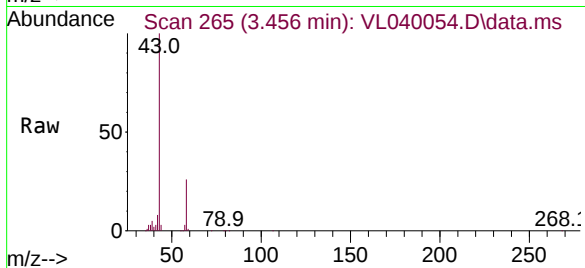




#15
Acetone
Concen: 1.166 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

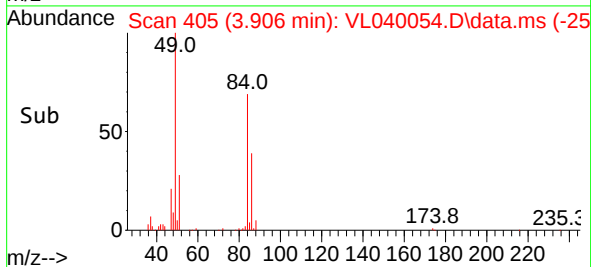
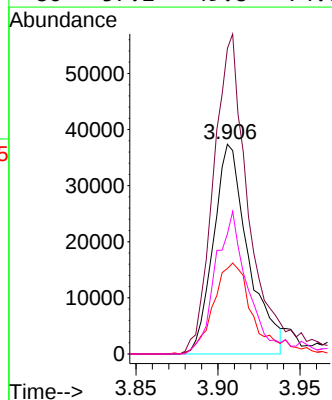
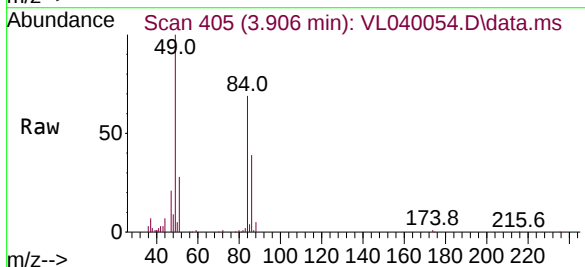
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

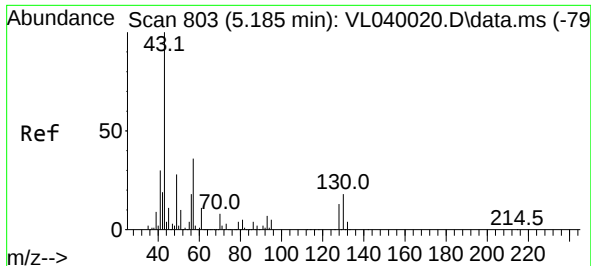
Tgt Ion: 43 Resp: 153138
Ion Ratio Lower Upper
43 100
58 32.4 21.8 32.8



#20
Methylene Chloride
Concen: 0.989 ppbv
RT: 3.906 min Scan# 405
Delta R.T. -0.010 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion: 84 Resp: 55204
Ion Ratio Lower Upper
84 100
49 145.6 120.5 180.7
51 40.7 35.2 52.8
86 57.2 49.8 74.6

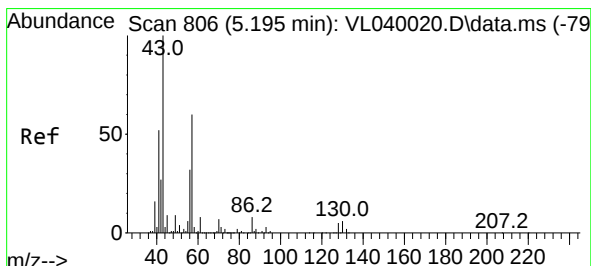
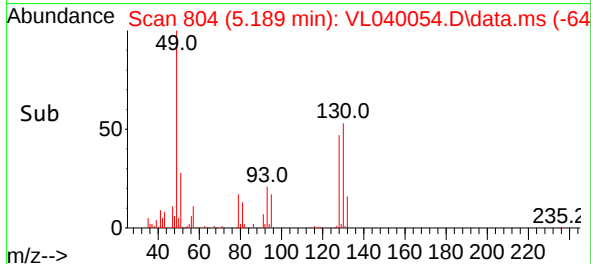
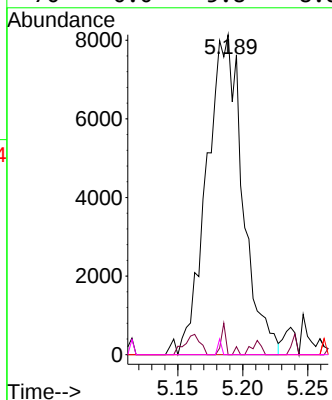
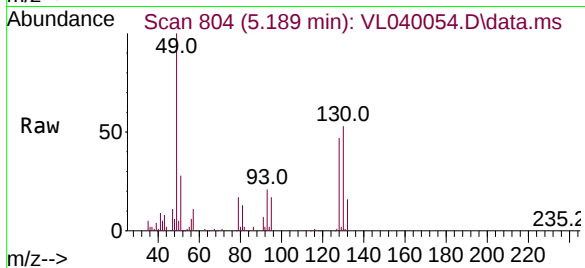




#25
Ethyl Acetate
Concen: 0.069 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

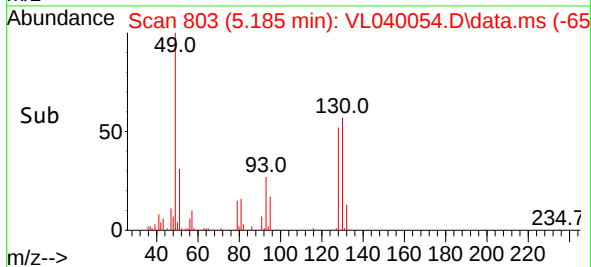
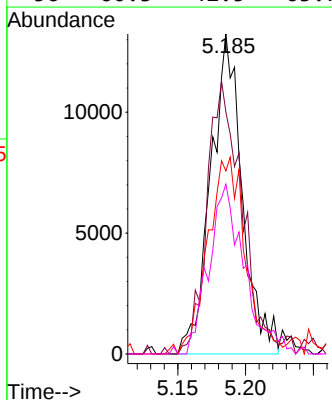
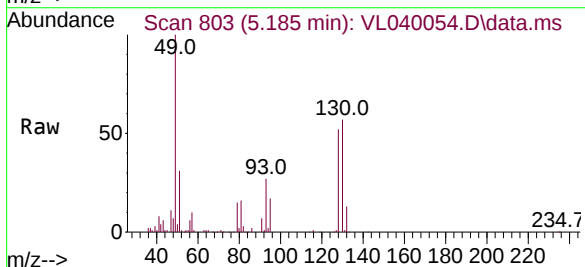
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

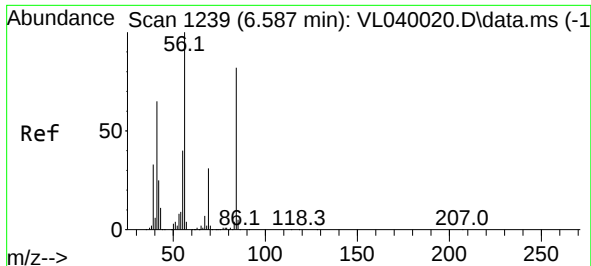
Tgt Ion:	43	Resp:	15626
Ion	Ratio	Lower	Upper
43	100		
45	4.0	8.6	12.8#
61	0.0	8.5	12.7#
70	0.0	5.8	8.8#



#26
Hexane
Concen: 0.224 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion:	57	Resp:	21432
Ion	Ratio	Lower	Upper
57	100		
41	95.2	72.1	108.1
43	73.4	192.1	288.1#
56	60.3	42.5	63.7

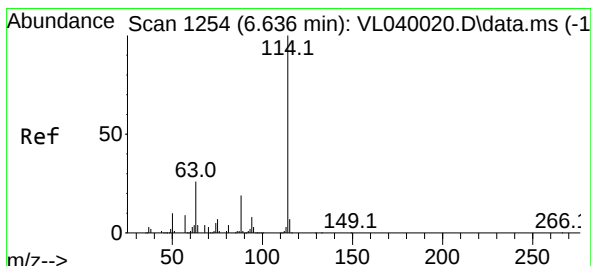
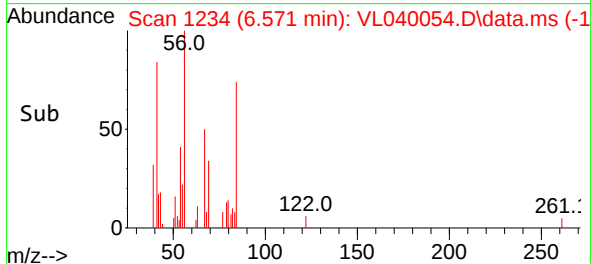
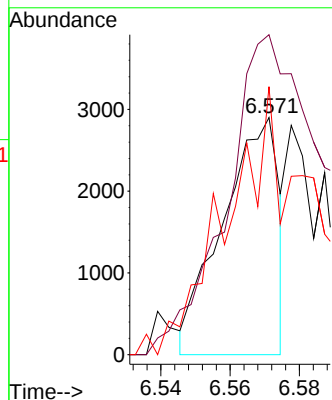
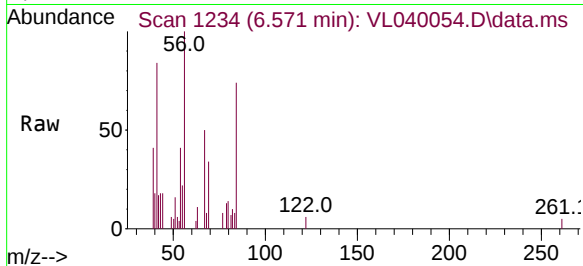




#30
Cyclohexane
Concen: 0.038 ppbv
RT: 6.571 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

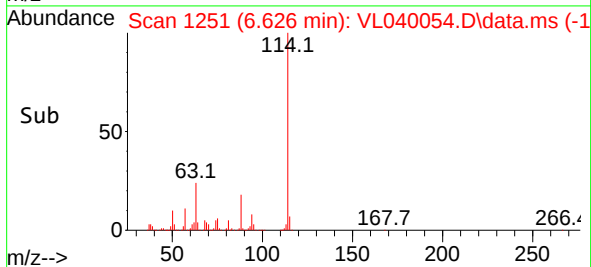
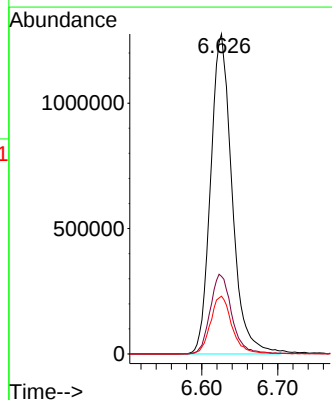
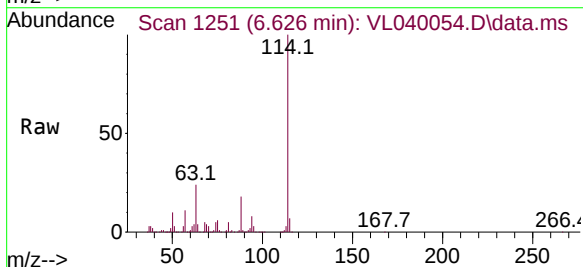
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

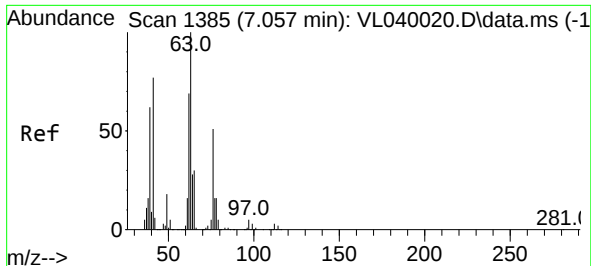
Tgt Ion: 84 Resp: 3257
Ion Ratio Lower Upper
84 100
56 0.0 110.2 165.4#
41 195.5 67.8 101.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.010 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion: 114 Resp: 2492248
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.2
88 18.1 14.6 21.8





#39

1,2-Dichloropropane

Concen: 7.482 ppbv

RT: 6.623 min Scan# 11

Delta R.T. -0.434 min

Lab File: VL040054.D

Acq: 20 Dec 2022 13:18

Instrument :

MSVOA_1

ClientSampleId :

SS-2DL2

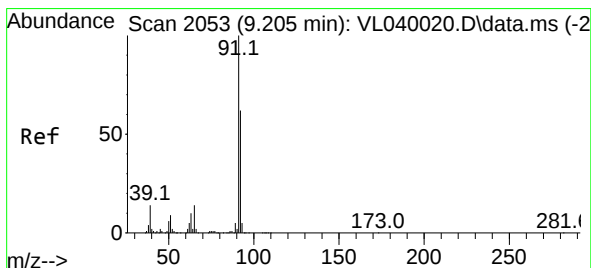
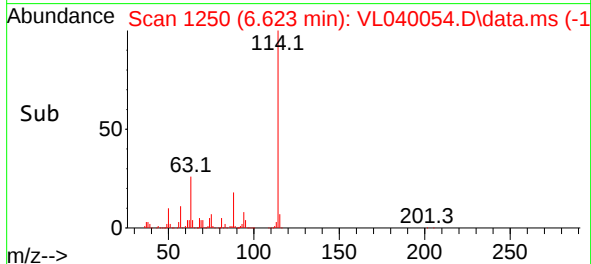
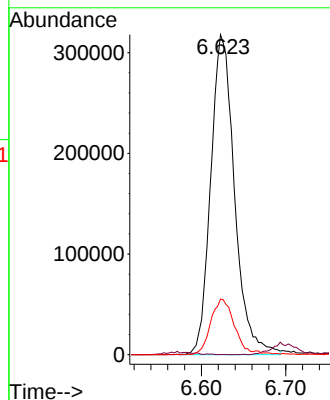
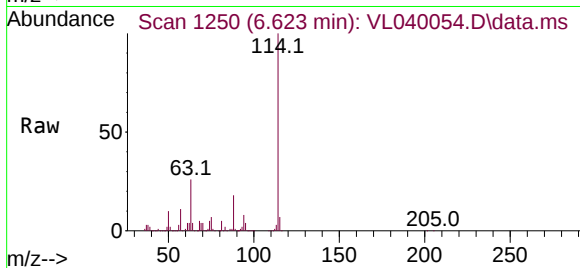
Tgt Ion: 63 Resp: 624187

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.4 55.4 83.2#



#53

Toluene

Concen: 1.434 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VL040054.D

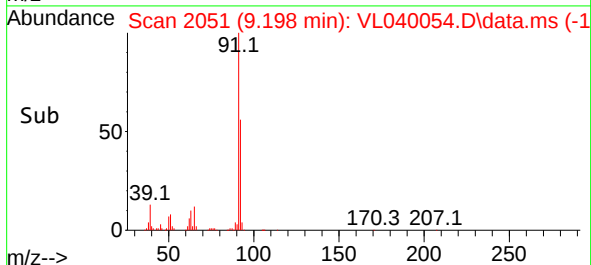
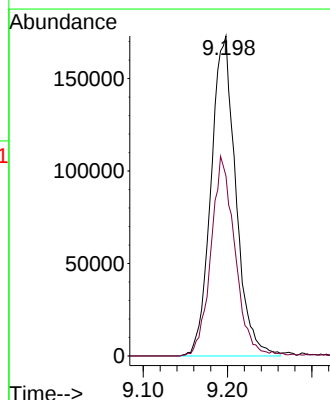
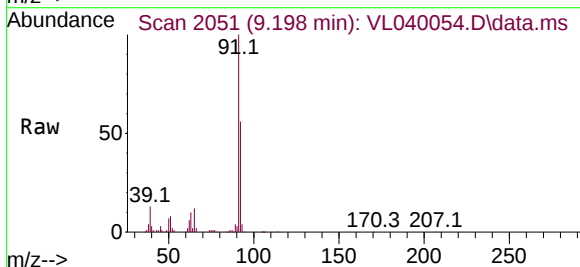
Acq: 20 Dec 2022 13:18

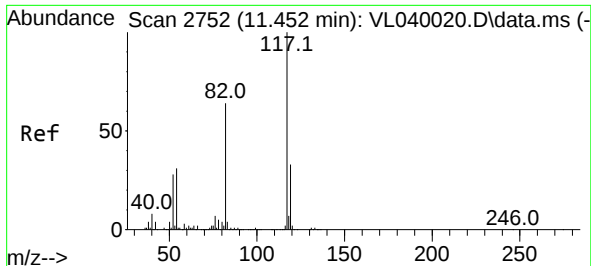
Tgt Ion: 91 Resp: 353425

Ion Ratio Lower Upper

91 100

92 60.6 48.7 73.1

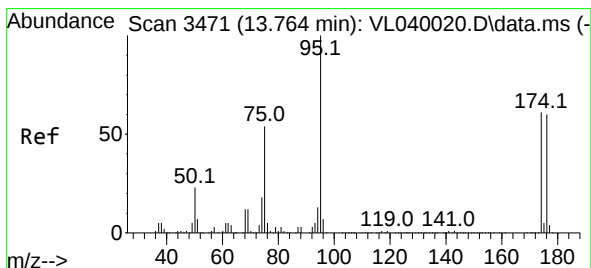
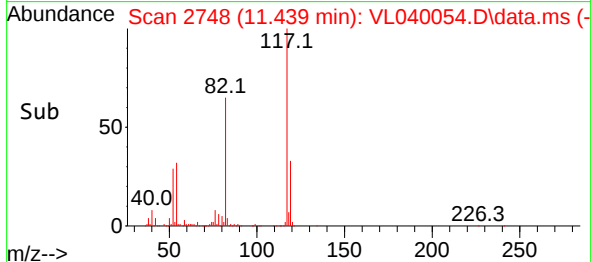
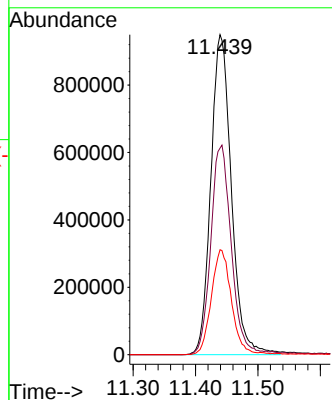
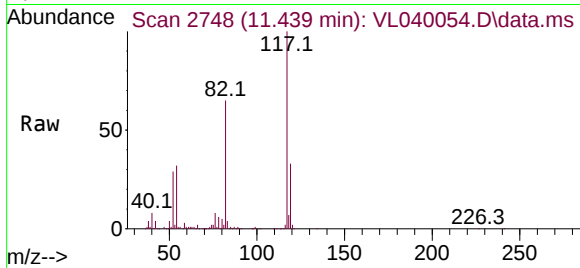




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL2

Tgt Ion:117 Resp: 2172825
Ion Ratio Lower Upper
117 100
82 66.3 51.2 76.8
119 32.6 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.954 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.013 min
Lab File: VL040054.D
Acq: 20 Dec 2022 13:18

Tgt Ion: 95 Resp: 1652069
Ion Ratio Lower Upper
95 100
174 61.3 48.6 73.0
175 4.2 3.4 5.2

