

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062223\
 Data File : VL040491.D
 Acq On : 22 Jun 2023 18:44
 Operator : SY/MD
 Sample : 03300-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AO-1DL

Quant Time: Jun 23 01:31:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

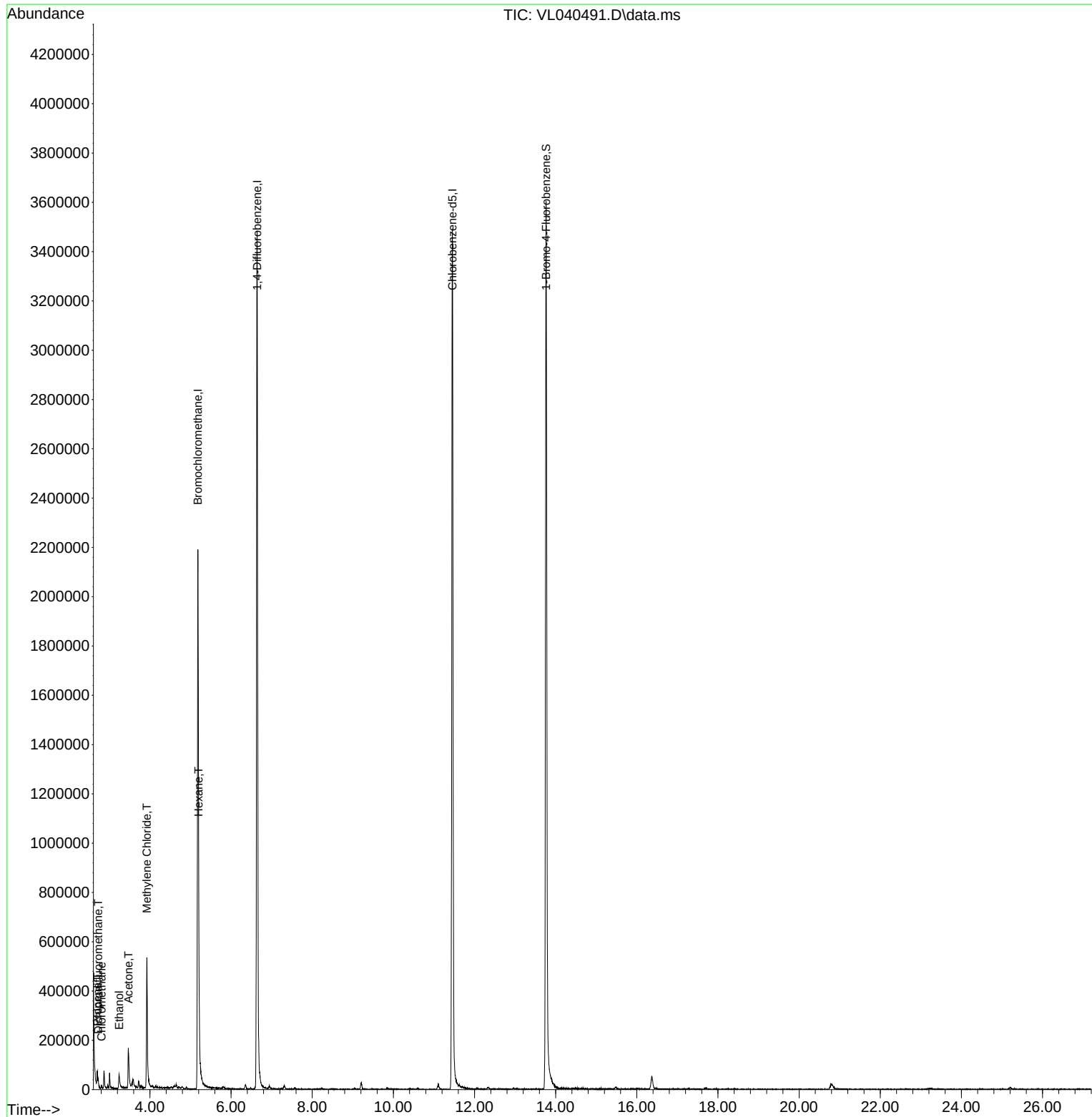
Internal Standards						
1) Bromochloromethane	5.182	49	1000001	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2517992	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.452	117	2139489	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1787435	10.122	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.726	85	20762	0.095	ppbv	96
4) Chloromethane	2.809	50	8041	0.127	ppbv	91
9) Propene	2.703	41	14422	0.286	ppbv	94
13) Ethanol	3.240	45	60077	5.744	ppbv	97
15) Acetone	3.468	43	175341	1.454	ppbv	97
20) Methylene Chloride	3.925	84	170252	3.307	ppbv	96
26) Hexane	5.201	57	94844	0.916	ppbv #	42

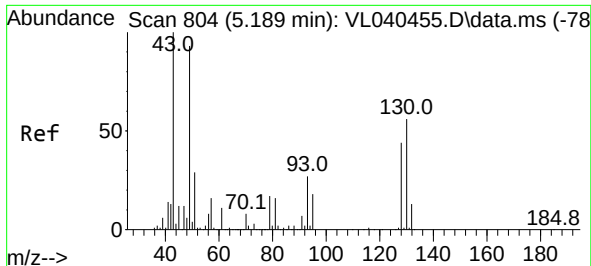
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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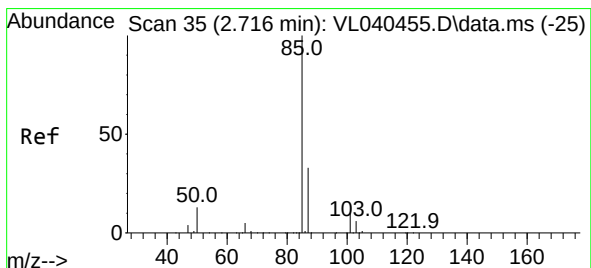
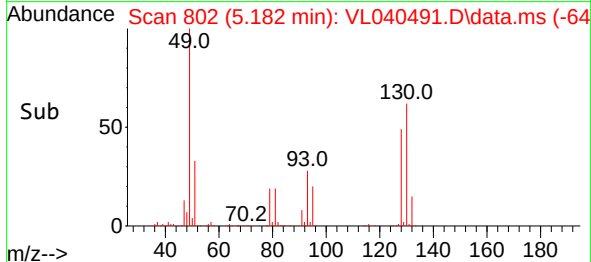
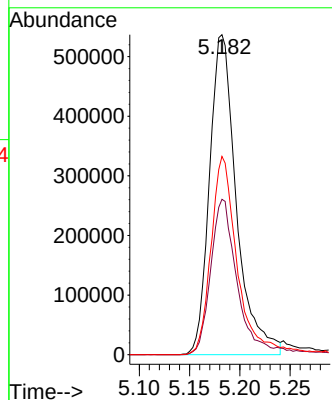
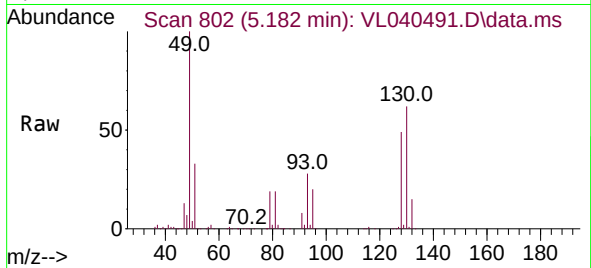




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

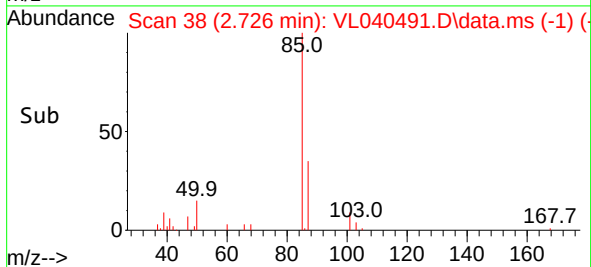
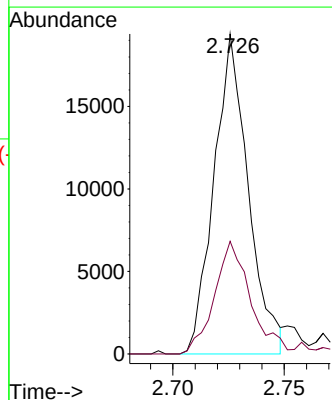
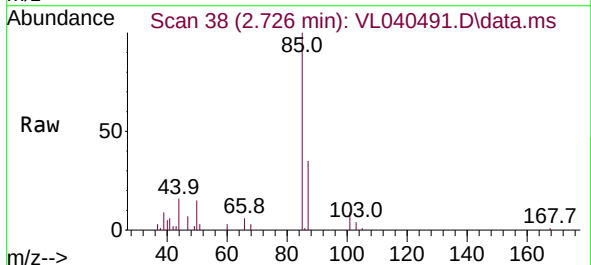
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

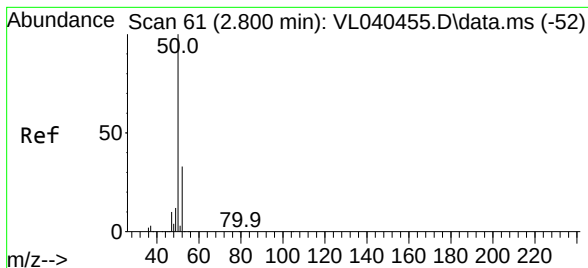
Tgt Ion: 49 Resp: 1000001
Ion Ratio Lower Upper
49 100
128 49.4 24.7 74.1
130 62.1 31.4 94.2



#2
Dichlorodifluoromethane
Concen: 0.095 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 85 Resp: 20762
Ion Ratio Lower Upper
85 100
87 35.2 26.6 39.8

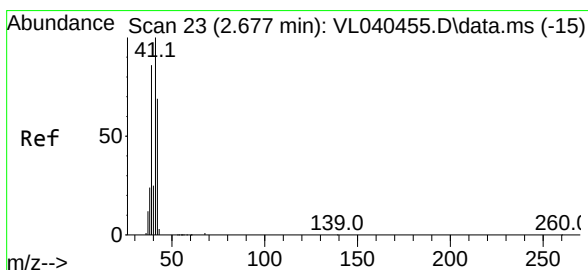
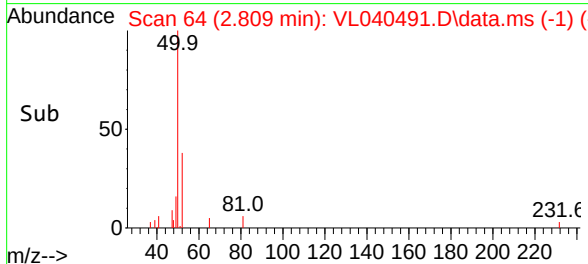
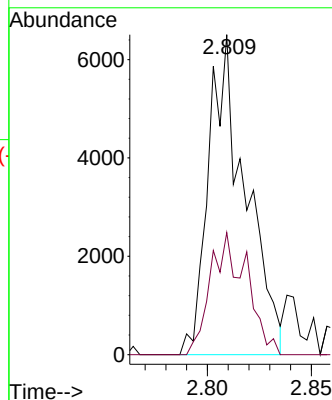
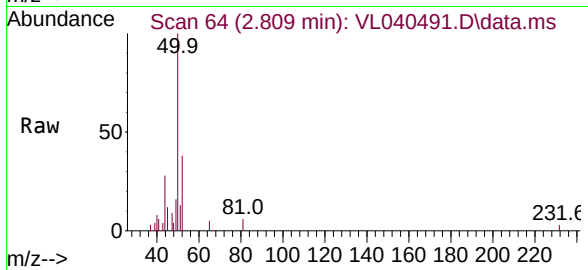




#4
Chloromethane
Concen: 0.127 ppbv
RT: 2.809 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

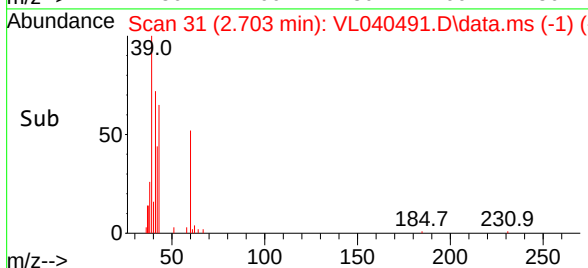
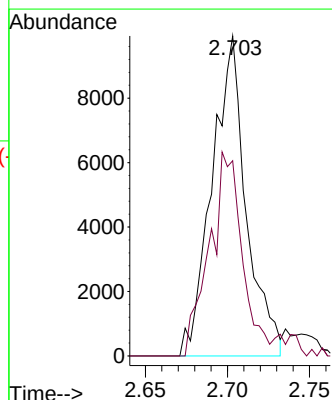
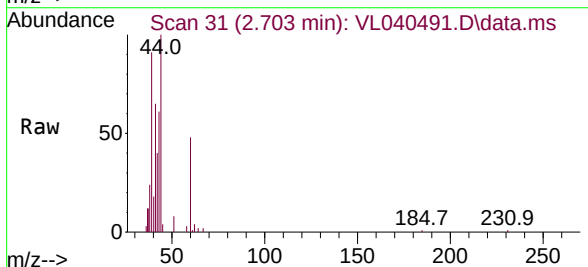
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

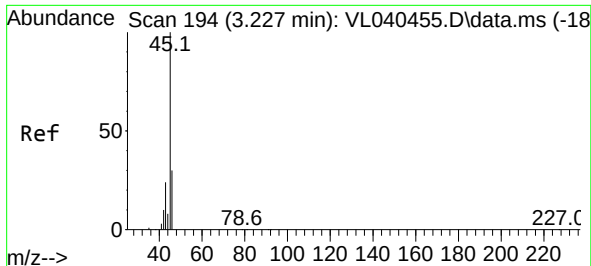
Tgt Ion: 50 Resp: 8041
Ion Ratio Lower Upper
50 100
52 38.1 26.3 39.5



#9
Propene
Concen: 0.286 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 41 Resp: 14422
Ion Ratio Lower Upper
41 100
42 65.0 56.2 84.2

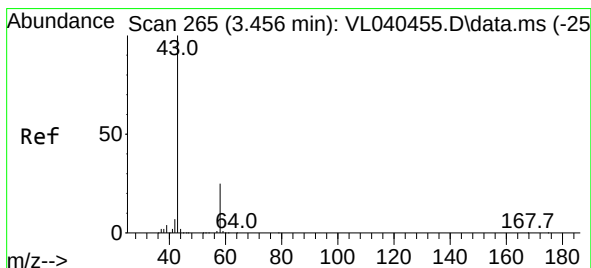
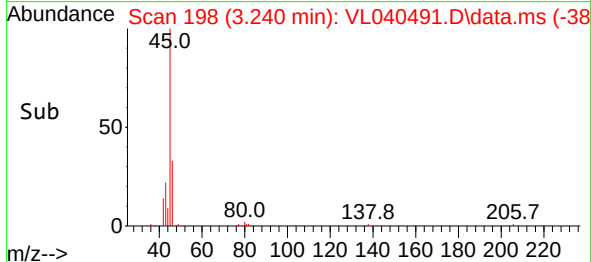
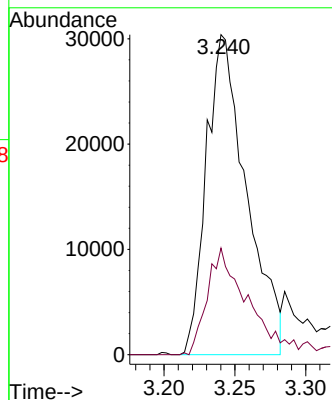
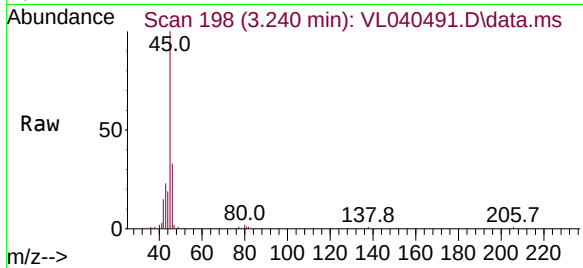




#13
Ethanol
Concen: 5.744 ppbv
RT: 3.240 min Scan# 194
Delta R.T. 0.013 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

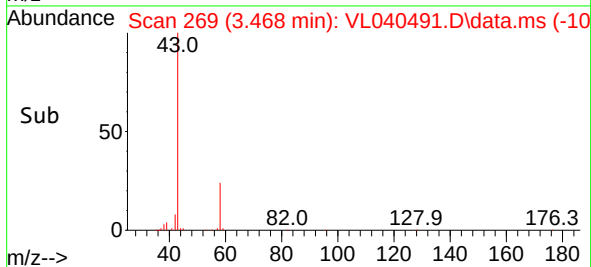
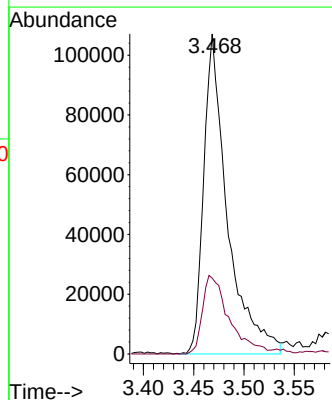
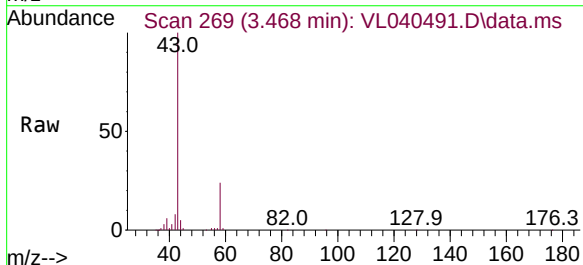
Instrument :
MSVOA_L
ClientSampleId :
AO-1DL

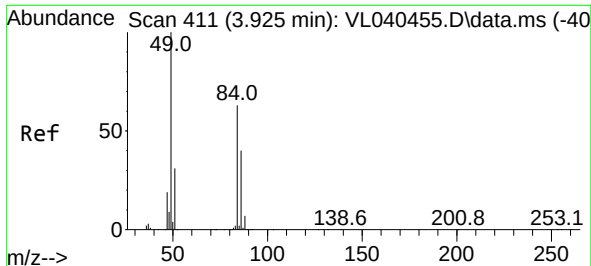
Tgt Ion: 45 Resp: 60077
Ion Ratio Lower Upper
45 100
46 34.4 14.5 58.1



#15
Acetone
Concen: 1.454 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 43 Resp: 175341
Ion Ratio Lower Upper
43 100
58 28.6 21.6 32.4

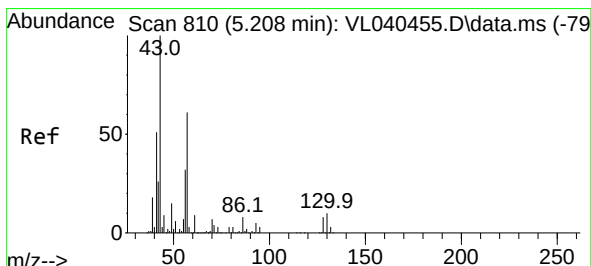
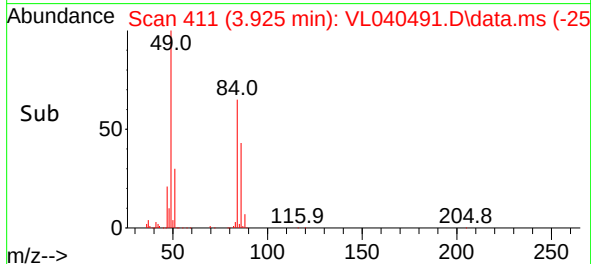
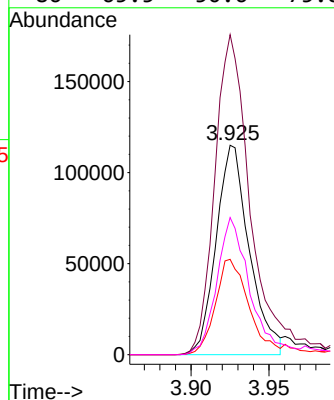
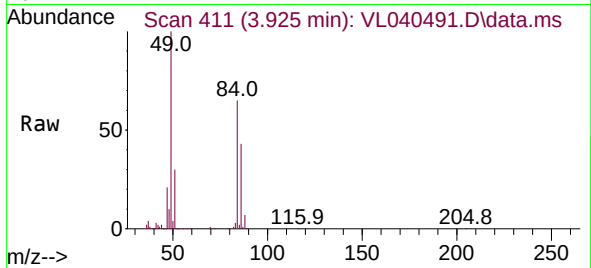




#20
Methylene Chloride
Concen: 3.307 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

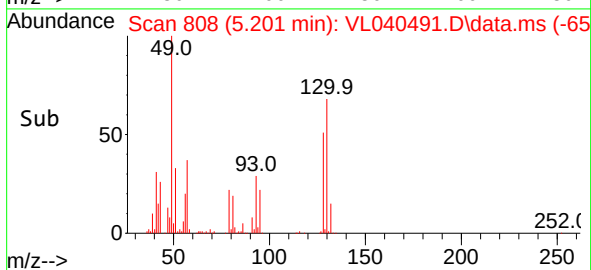
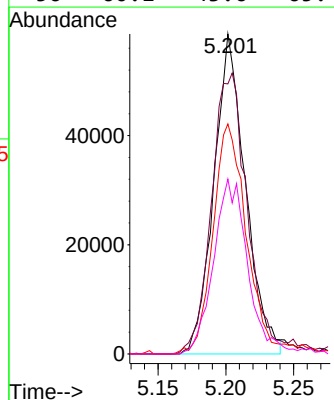
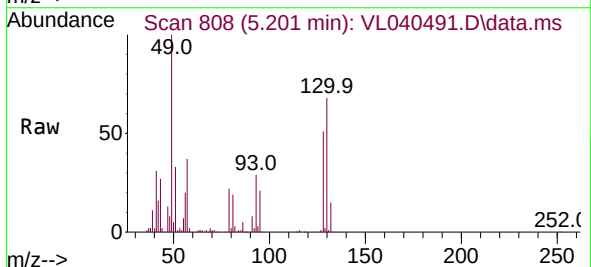
Instrument :
MSVOA_1
ClientSampleId :
AO-1DL

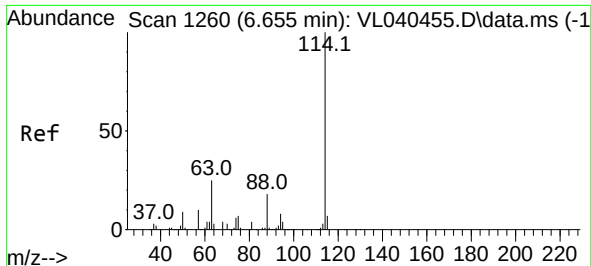
Tgt Ion: 84 Resp: 170252
Ion Ratio Lower Upper
84 100
49 152.7 126.2 189.2
51 45.4 38.7 58.1
86 65.5 50.6 75.8



#26
Hexane
Concen: 0.916 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.006 min
Lab File: VL040491.D
Acq: 22 Jun 2023 18:44

Tgt Ion: 57 Resp: 94844
Ion Ratio Lower Upper
57 100
41 102.3 73.0 109.6
43 78.2 177.5 266.3#
56 60.1 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

Instrument :

MSVOA_L

ClientSampleId :

AO-1DL

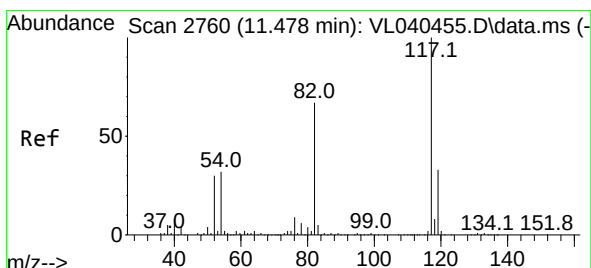
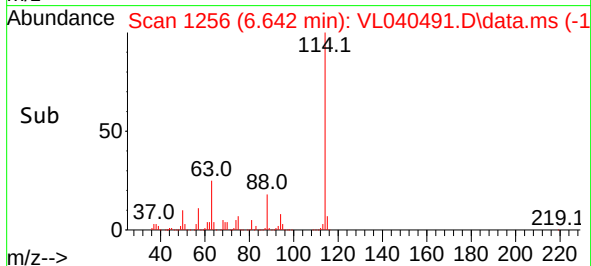
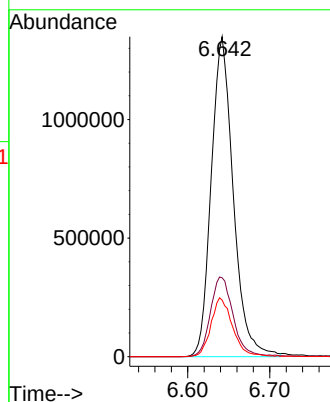
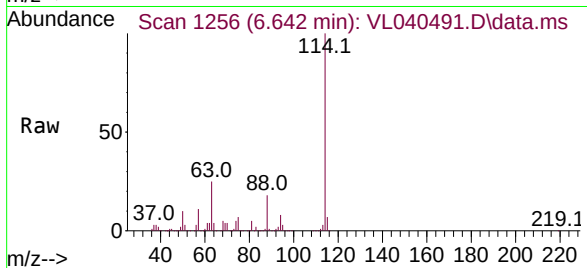
Tgt Ion:114 Resp: 2517992

Ion Ratio Lower Upper

114 100

63 26.1 21.0 31.6

88 18.2 14.5 21.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.026 min

Lab File: VL040491.D

Acq: 22 Jun 2023 18:44

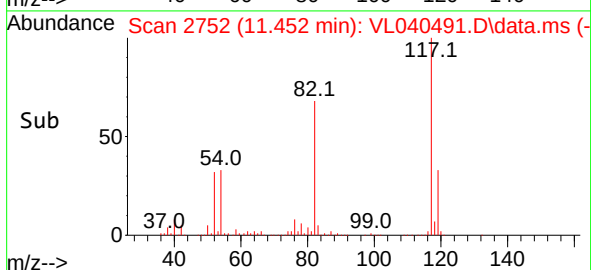
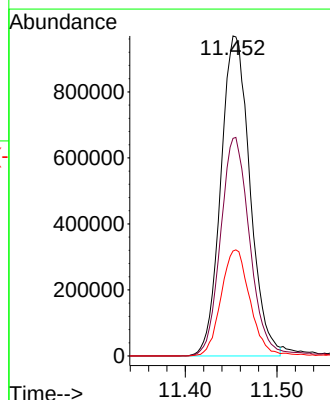
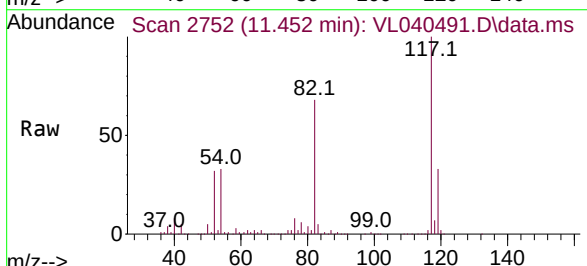
Tgt Ion:117 Resp: 2139489

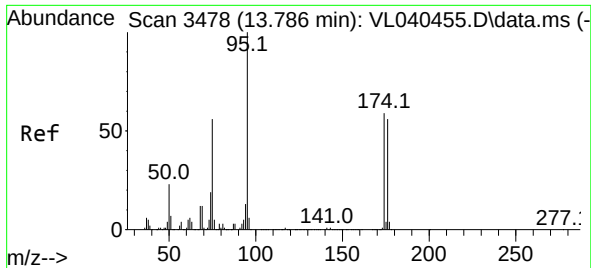
Ion Ratio Lower Upper

117 100

82 69.6 53.0 79.4

119 33.3 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.122 ppbv
 RT: 13.764 min Scan# 34
 Delta R.T. -0.023 min
 Lab File: VL040491.D
 Acq: 22 Jun 2023 18:44

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion: 95 Resp: 1787435
 Ion Ratio Lower Upper
 95 100
 174 60.2 47.7 71.5
 175 4.2 3.5 5.3

