

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039984.D
 Acq On : 12 Dec 2022 20:25
 Operator : SY/MD
 Sample : N5971-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2DL

Quant Time: Dec 13 07:09:08 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)

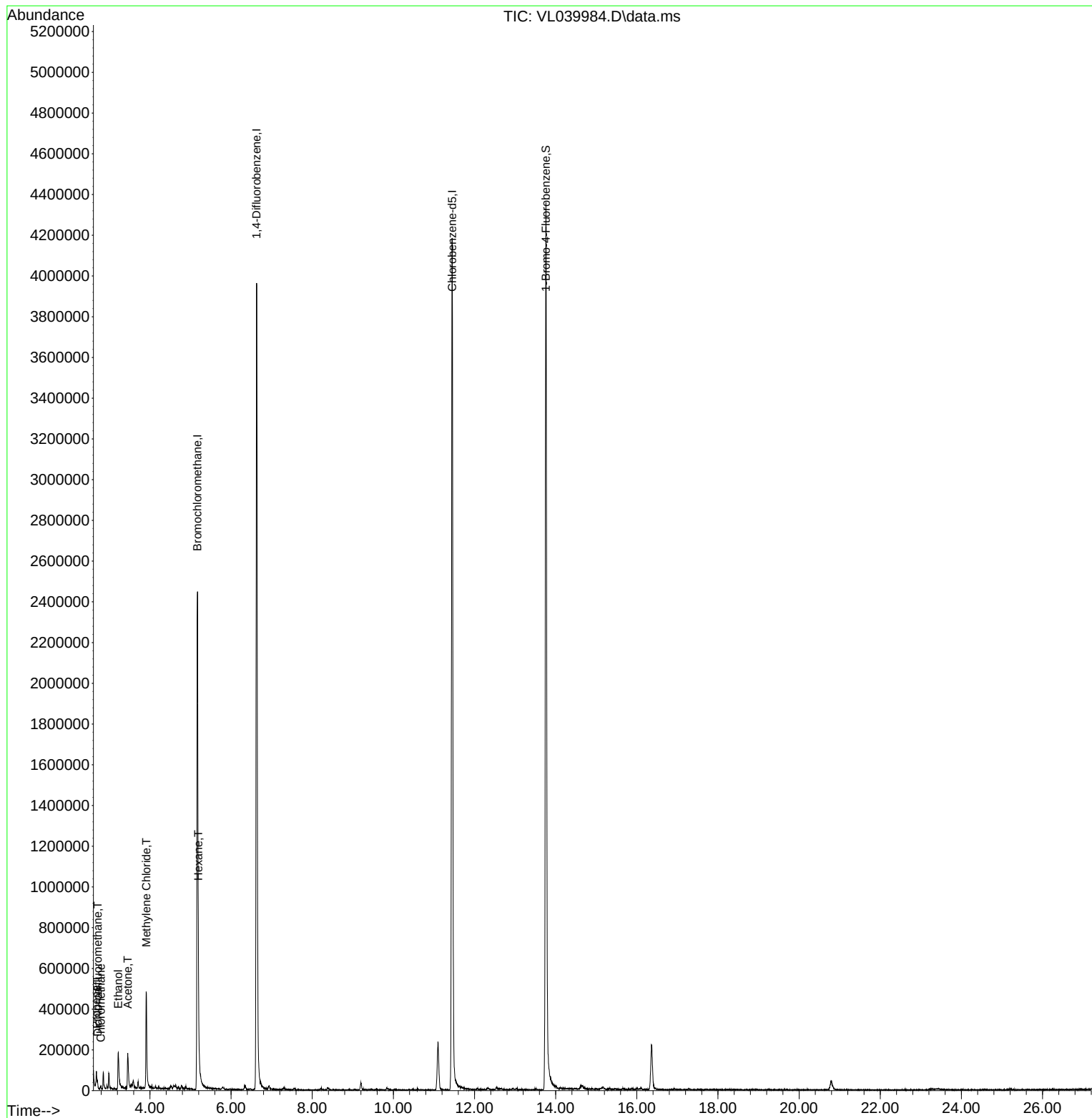
Internal Standards						
1) Bromochloromethane	5.169	49	1138273	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	2965305	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2712827	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2179224	10.517	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.709	85	23437	0.144	ppbv	# 76
4) Chloromethane	2.790	50	11001	0.110	ppbv	93
9) Propene	2.677	41	23046	0.311	ppbv	91
13) Ethanol	3.217	45	187934	33.269	ppbv	89
15) Acetone	3.452	43	157495	1.043	ppbv	95
20) Methylene Chloride	3.909	84	169065	2.311	ppbv	91
26) Hexane	5.192	57	91699	0.757	ppbv	# 37

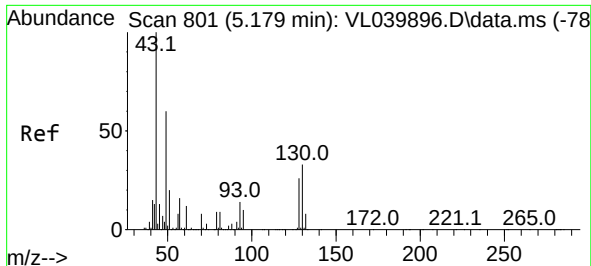
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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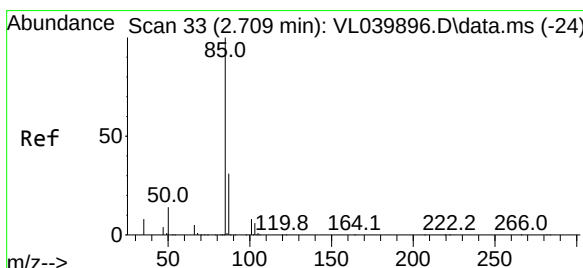
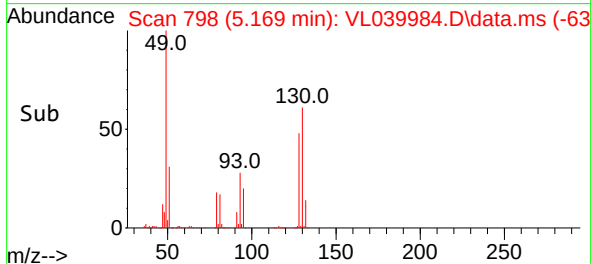
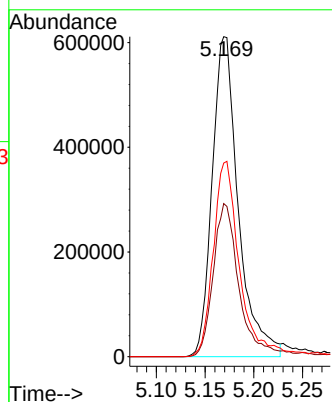
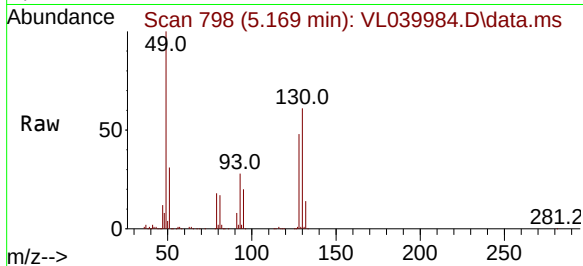




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 79
 Delta R.T. 0.013 min
 Lab File: VL039984.D
 Acq: 12 Dec 2022 20:25

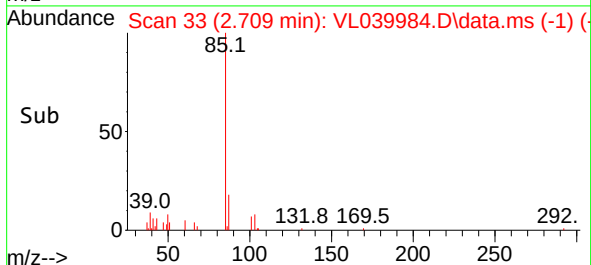
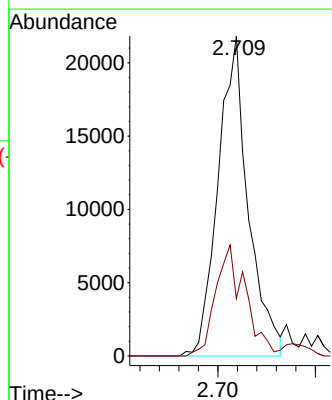
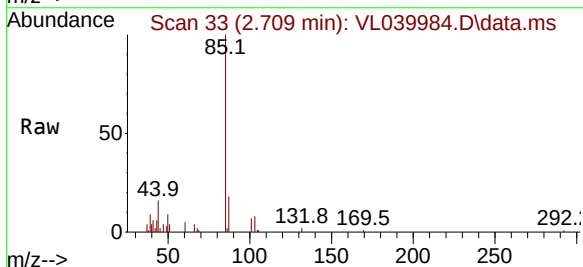
Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2DL

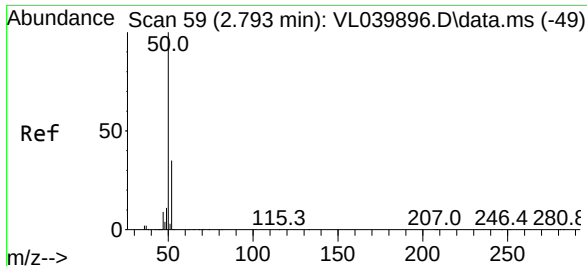
Tgt Ion: 49 Resp: 1138273
 Ion Ratio Lower Upper
 49 100
 128 49.6 22.1 66.3
 130 63.5 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.144 ppbv
 RT: 2.709 min Scan# 33
 Delta R.T. 0.013 min
 Lab File: VL039984.D
 Acq: 12 Dec 2022 20:25

Tgt Ion: 85 Resp: 23437
 Ion Ratio Lower Upper
 85 100
 87 18.0 25.0 37.4#

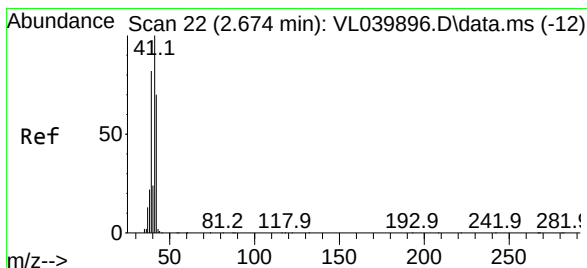
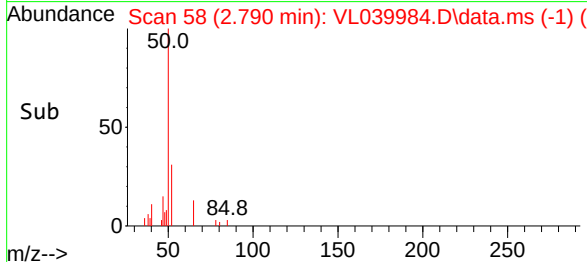
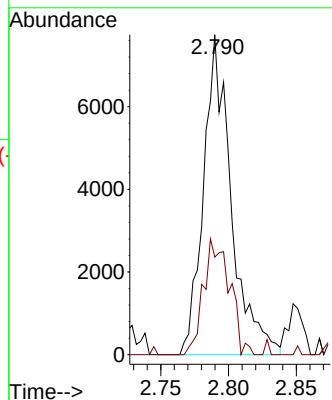
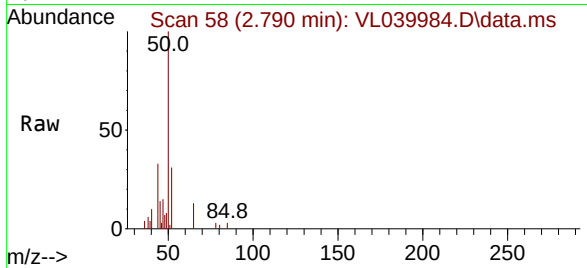




#4
Chloromethane
Concen: 0.110 ppbv
RT: 2.790 min Scan# 59
Delta R.T. 0.010 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

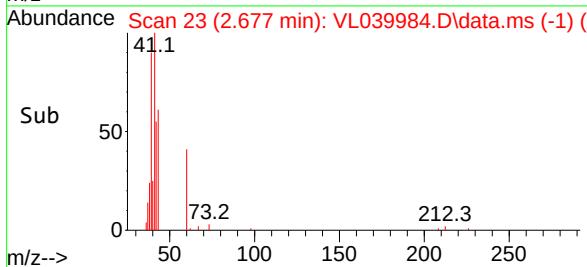
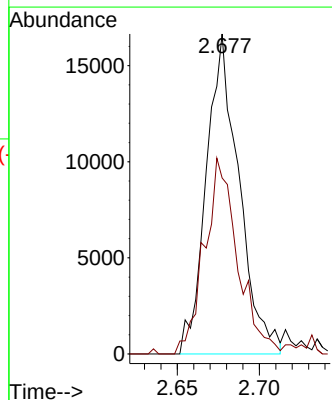
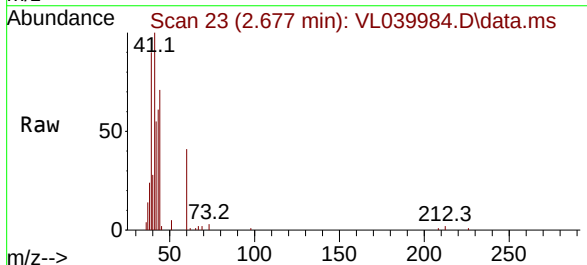
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

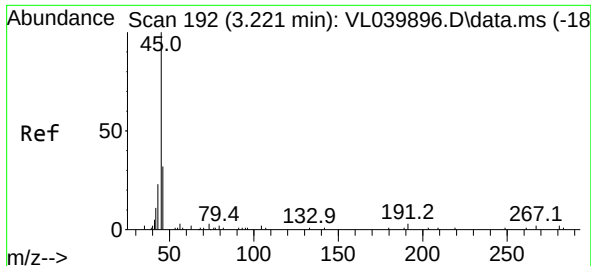
Tgt Ion: 50 Resp: 11001
Ion Ratio Lower Upper
50 100
52 30.5 27.8 41.8



#9
Propene
Concen: 0.311 ppbv
RT: 2.677 min Scan# 23
Delta R.T. 0.016 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 41 Resp: 23046
Ion Ratio Lower Upper
41 100
42 62.4 55.8 83.6

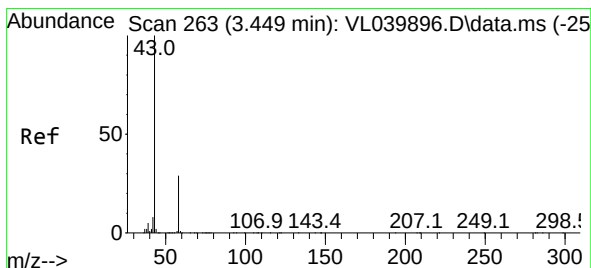
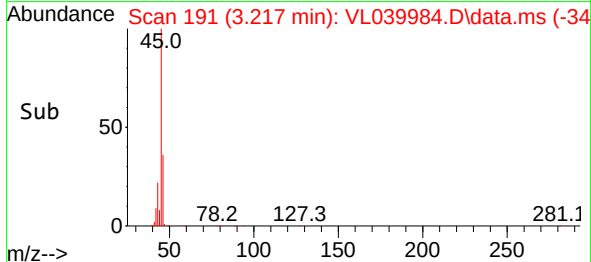
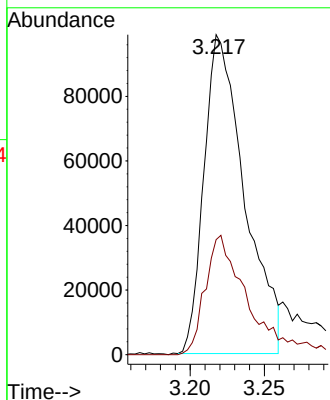
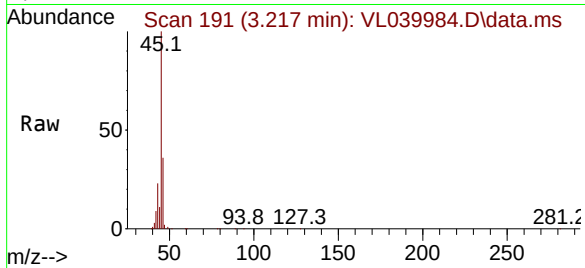




#13
 Ethanol
 Concen: 33.269 ppbv
 RT: 3.217 min Scan# 19
 Delta R.T. 0.003 min
 Lab File: VL039984.D
 Acq: 12 Dec 2022 20:25

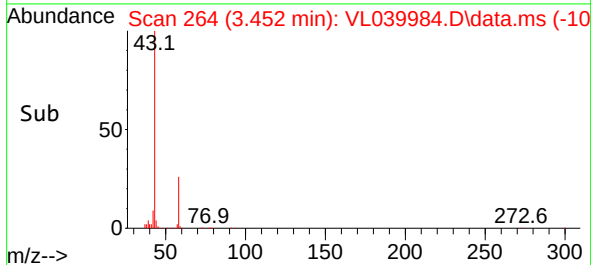
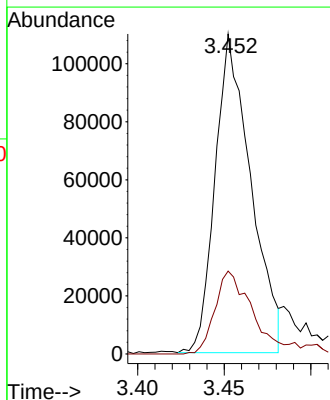
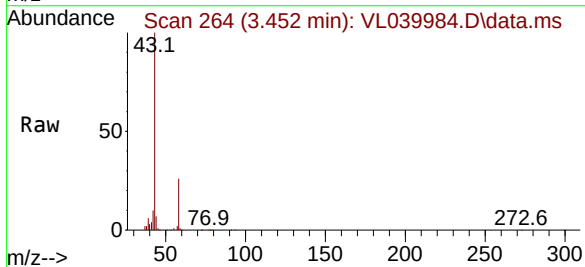
Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2DL

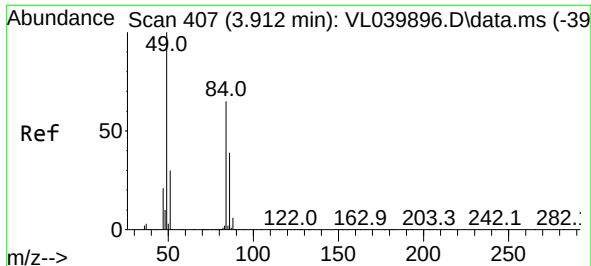
Tgt Ion: 45 Resp: 187934
 Ion Ratio Lower Upper
 45 100
 46 42.8 14.6 58.2



#15
 Acetone
 Concen: 1.043 ppbv
 RT: 3.452 min Scan# 264
 Delta R.T. 0.019 min
 Lab File: VL039984.D
 Acq: 12 Dec 2022 20:25

Tgt Ion: 43 Resp: 157495
 Ion Ratio Lower Upper
 43 100
 58 31.1 22.9 34.3

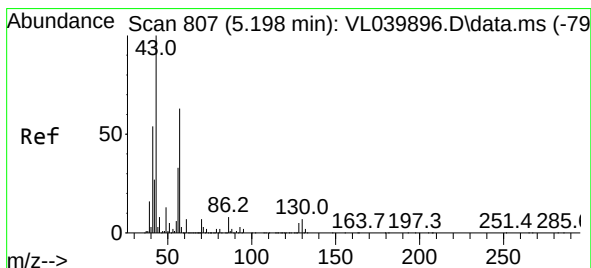
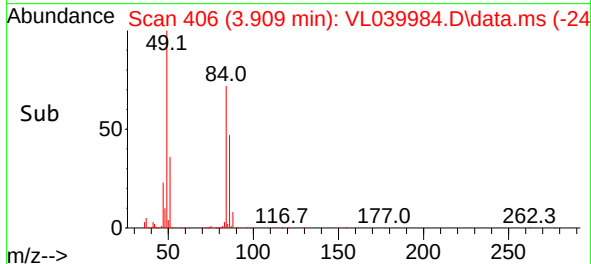
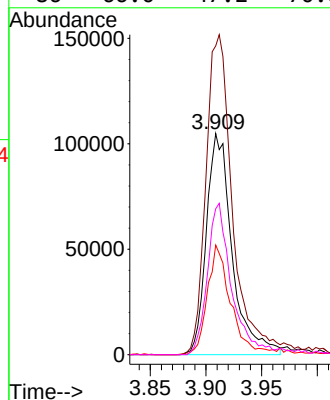
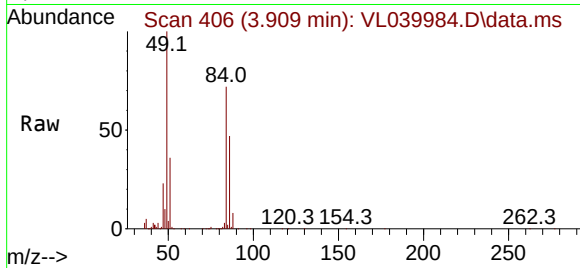




#20
Methylene Chloride
Concen: 2.311 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.013 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

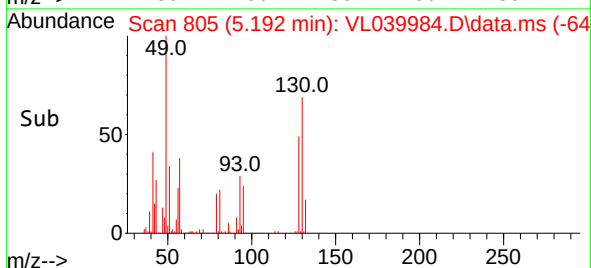
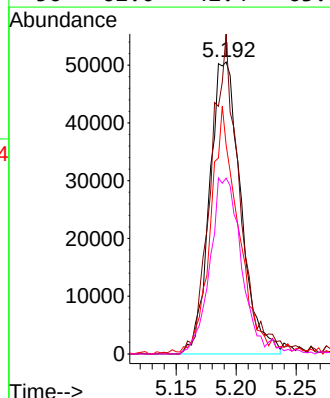
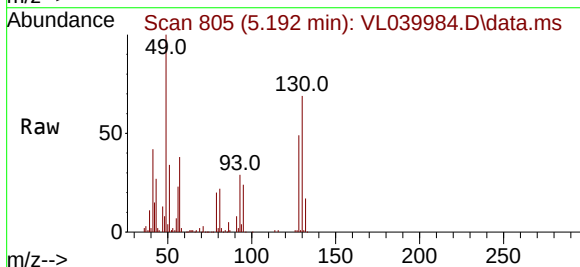
Instrument :
MSVOA_L
ClientSampleId :
OA-2DL

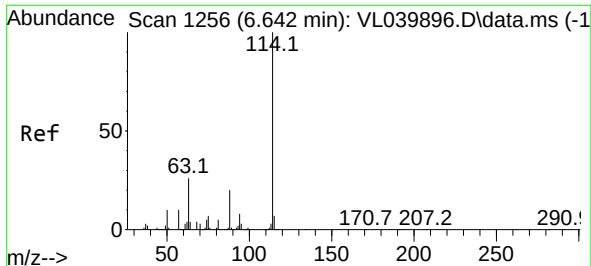
Tgt Ion: 84 Resp: 169065
Ion Ratio Lower Upper
84 100
49 139.7 122.2 183.4
51 49.4 36.3 54.5
86 66.0 47.2 70.8



#26
Hexane
Concen: 0.757 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.016 min
Lab File: VL039984.D
Acq: 12 Dec 2022 20:25

Tgt Ion: 57 Resp: 91699
Ion Ratio Lower Upper
57 100
41 100.9 72.3 108.5
43 77.4 188.7 283.1#
56 62.0 42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

Instrument :

MSVOA_L

ClientSampleId :

OA-2DL

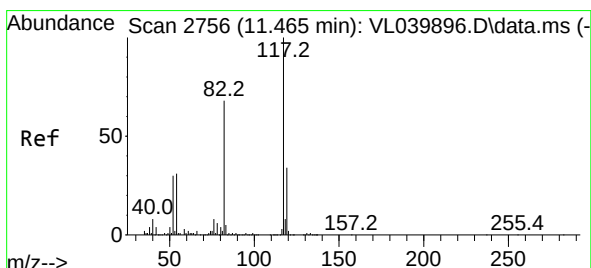
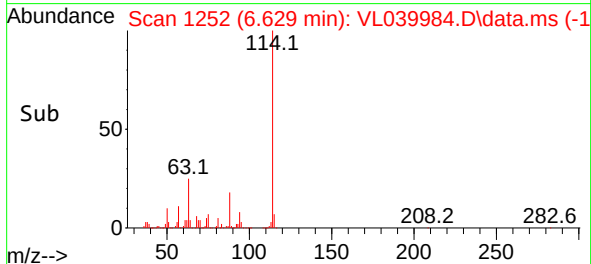
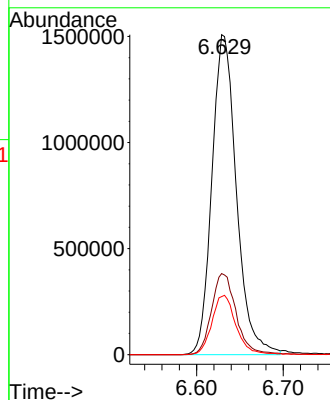
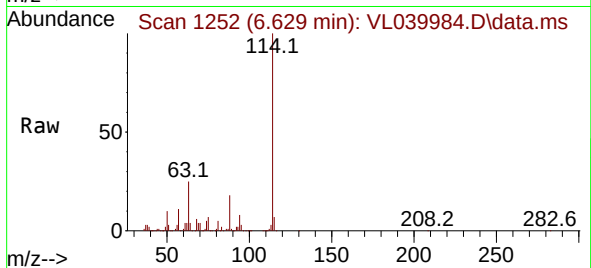
Tgt Ion:114 Resp: 2965305

Ion Ratio Lower Upper

114 100

63 25.8 21.4 32.0

88 18.5 15.3 22.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.449 min Scan# 2751

Delta R.T. 0.016 min

Lab File: VL039984.D

Acq: 12 Dec 2022 20:25

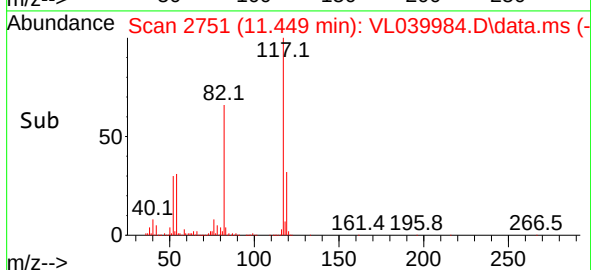
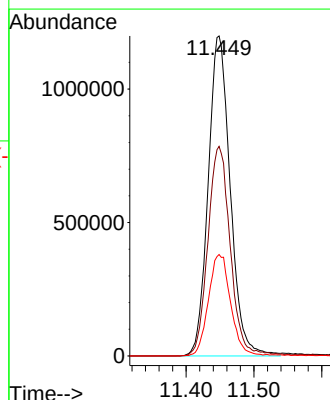
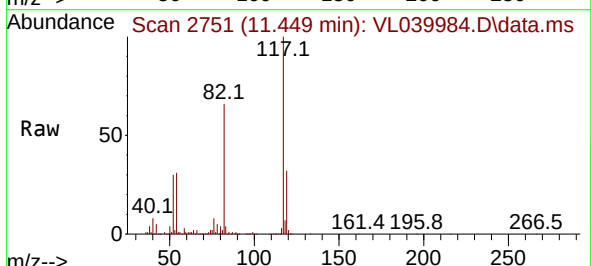
Tgt Ion:117 Resp: 2712827

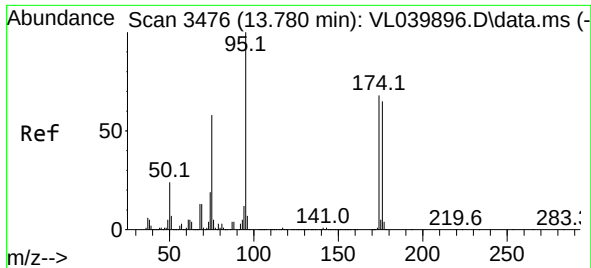
Ion Ratio Lower Upper

117 100

82 66.7 52.3 78.5

119 32.4 25.7 38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.517 ppbv
 RT: 13.760 min Scan# 3476
 Delta R.T. 0.019 min
 Lab File: VL039984.D
 Acq: 12 Dec 2022 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-2DL

Tgt Ion: 95 Resp: 2179224

Ion	Ratio	Lower	Upper
95	100		
174	61.0	53.7	80.5
175	4.3	4.0	6.0

