

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039976.D
 Acq On : 12 Dec 2022 15:08
 Operator : SY/MD
 Sample : N5969-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Dec 13 06:10:41 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)

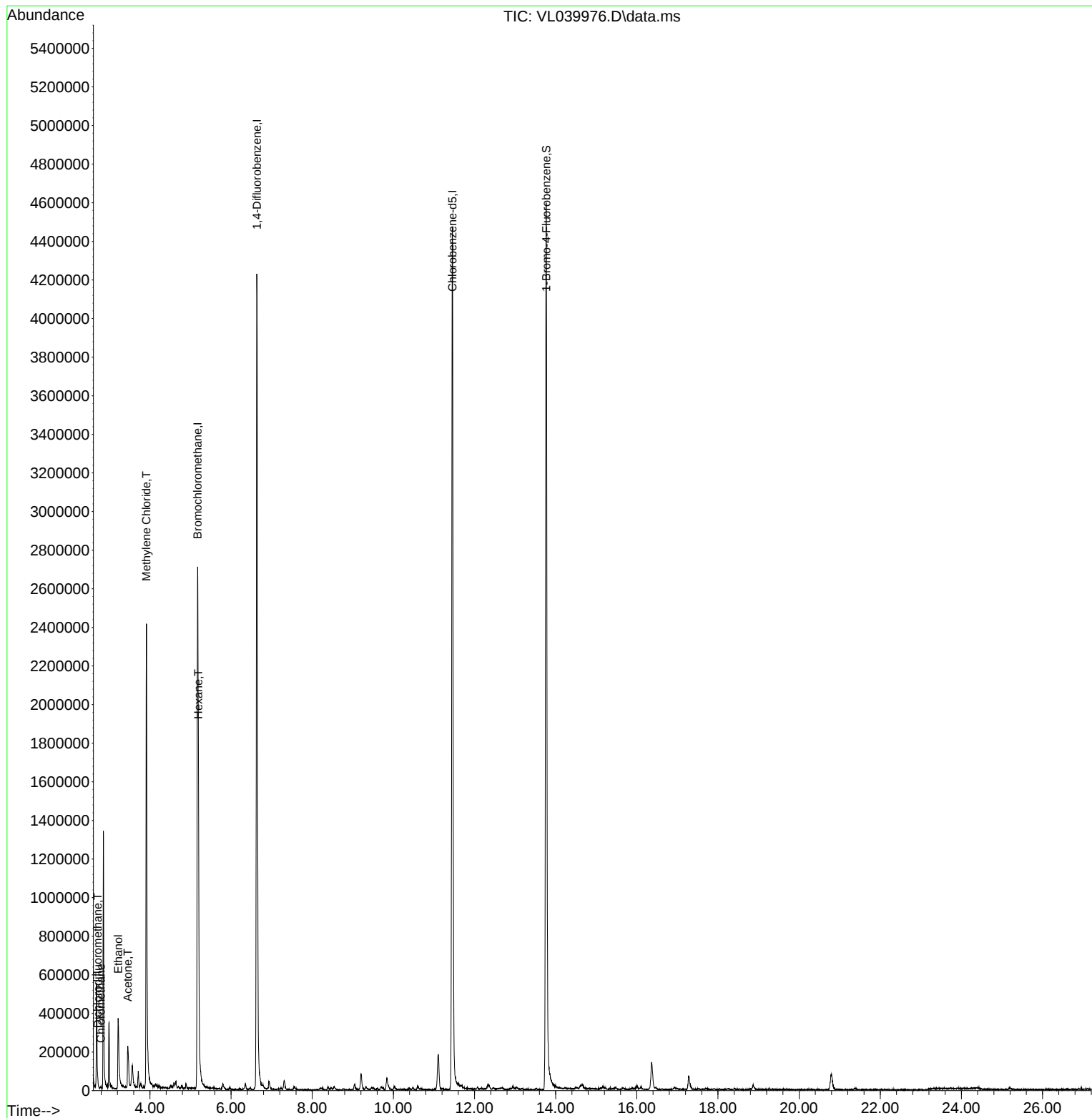
Internal Standards						
1) Bromochloromethane	5.172	49	1178413	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3226625	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2899671	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2388585	10.785	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.709	85	23624	0.140	ppbv	90
4) Chloromethane	2.793	50	10056	0.097	ppbv #	82
13) Ethanol	3.217	45	377439	64.541	ppbv	94
15) Acetone	3.452	43	213113	1.363	ppbv	91
20) Methylene Chloride	3.912	84	832921	10.999	ppbv	96
26) Hexane	5.195	57	423503	3.378	ppbv #	40

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

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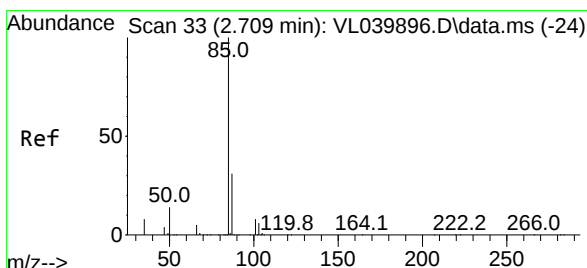
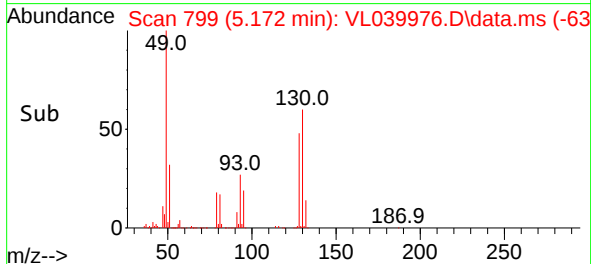
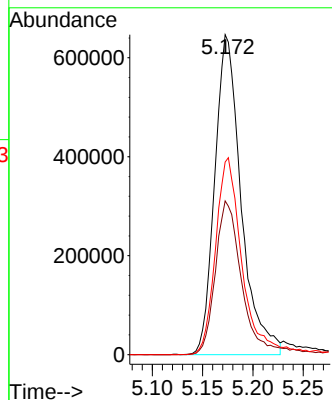
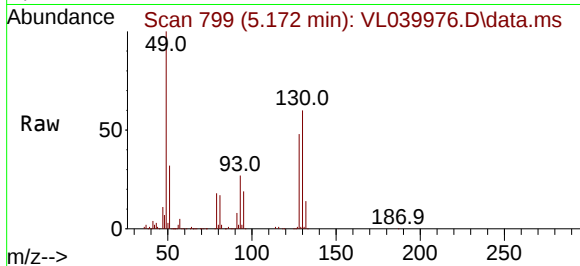




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.172 min Scan# 79
 Delta R.T. 0.016 min
 Lab File: VL039976.D
 Acq: 12 Dec 2022 15:08

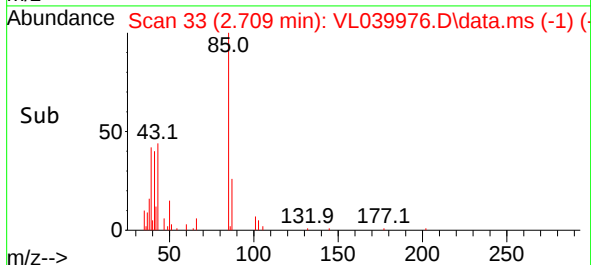
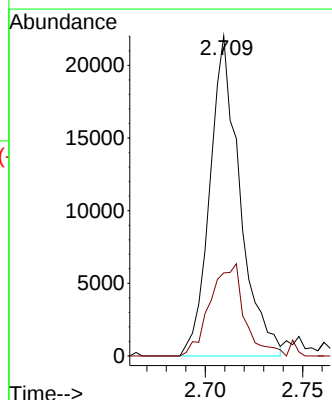
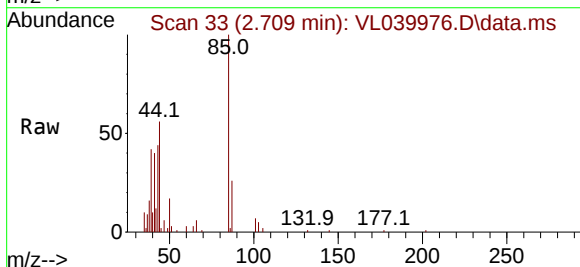
Instrument :
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 ClientSampleId :
 IA-2DL

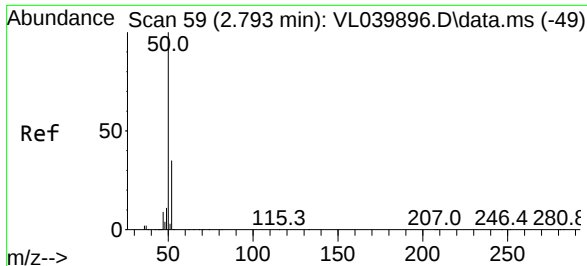
Tgt Ion: 49 Resp: 1178413
 Ion Ratio Lower Upper
 49 100
 128 50.0 22.1 66.3
 130 64.0 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.140 ppbv
 RT: 2.709 min Scan# 33
 Delta R.T. 0.013 min
 Lab File: VL039976.D
 Acq: 12 Dec 2022 15:08

Tgt Ion: 85 Resp: 23624
 Ion Ratio Lower Upper
 85 100
 87 25.9 25.0 37.4

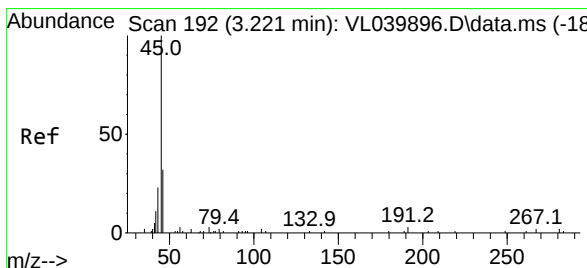
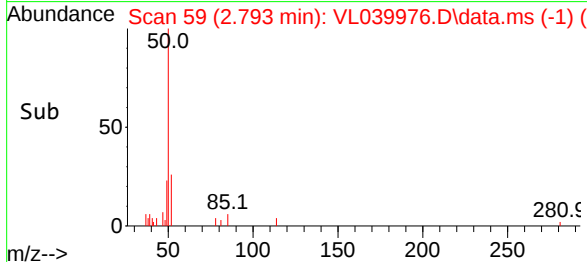
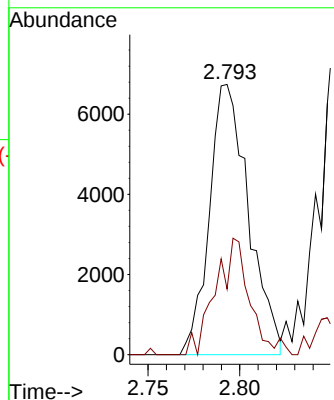
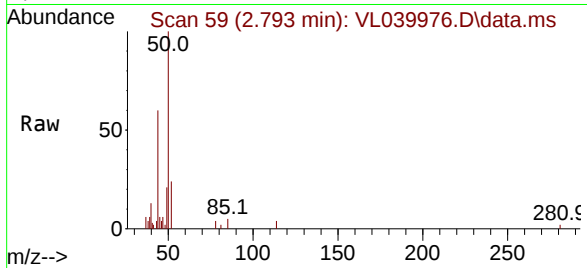




#4
Chloromethane
Concen: 0.097 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

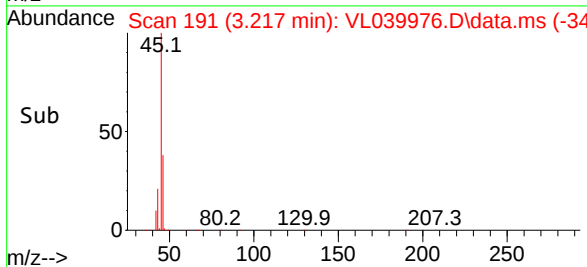
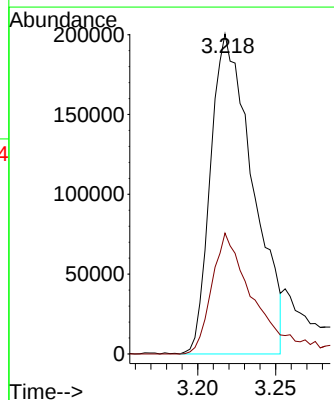
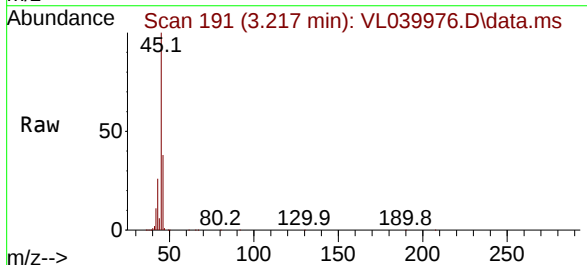
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

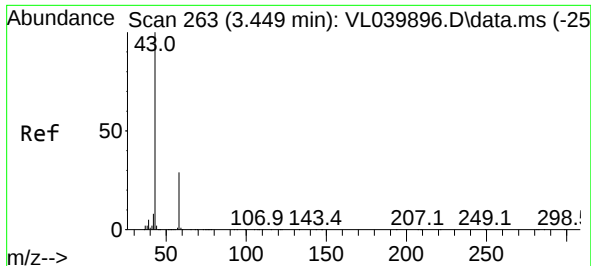
Tgt Ion: 50 Resp: 10056
Ion Ratio Lower Upper
50 100
52 24.3 27.8 41.8#



#13
Ethanol
Concen: 64.541 ppbv
RT: 3.217 min Scan# 191
Delta R.T. 0.003 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

Tgt Ion: 45 Resp: 377439
Ion Ratio Lower Upper
45 100
46 40.2 14.6 58.2





#15

Acetone

Concen: 1.363 ppbv

RT: 3.452 min Scan# 2

Delta R.T. 0.019 min

Lab File: VL039976.D

Acq: 12 Dec 2022 15:08

Instrument :

MSVOA_L

ClientSampleId :

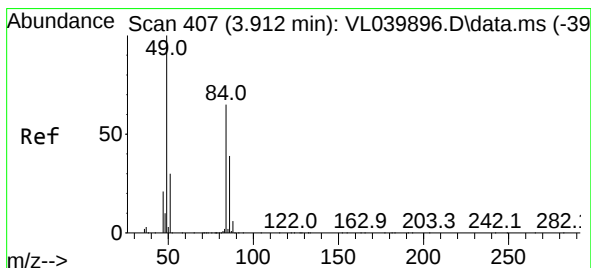
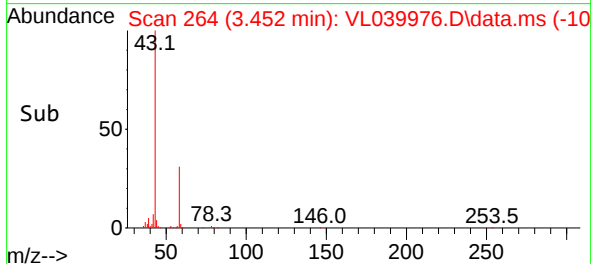
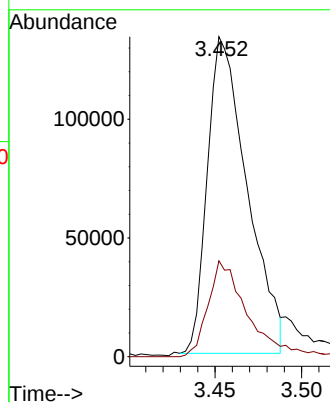
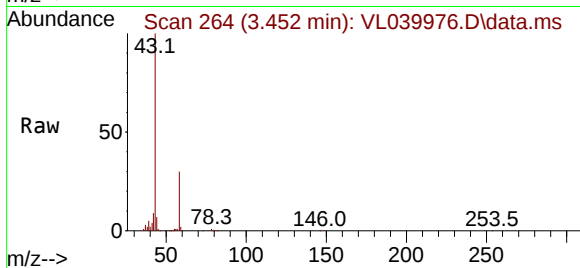
IA-2DL

Tgt Ion: 43 Resp: 213113

Ion Ratio Lower Upper

43 100

58 33.5 22.9 34.3



#20

Methylene Chloride

Concen: 10.999 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.016 min

Lab File: VL039976.D

Acq: 12 Dec 2022 15:08

Tgt Ion: 84 Resp: 832921

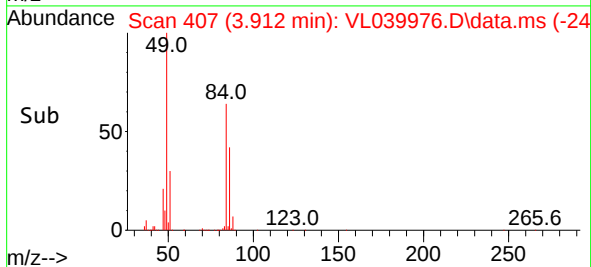
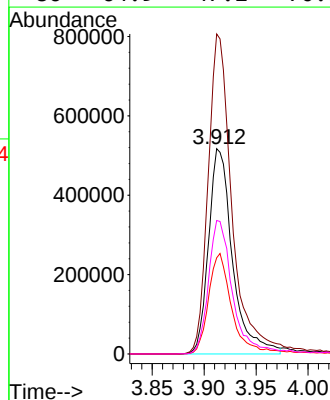
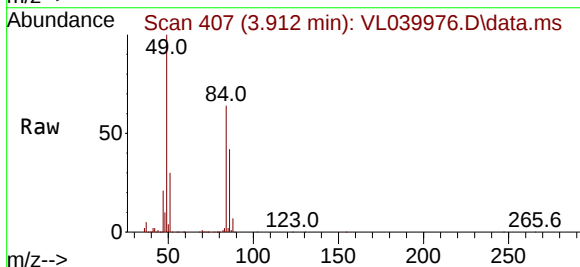
Ion Ratio Lower Upper

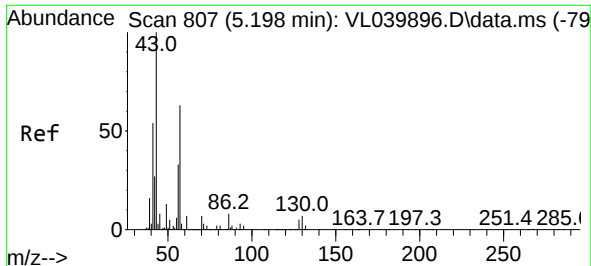
84 100

49 155.9 122.2 183.4

51 46.9 36.3 54.5

86 64.9 47.2 70.8

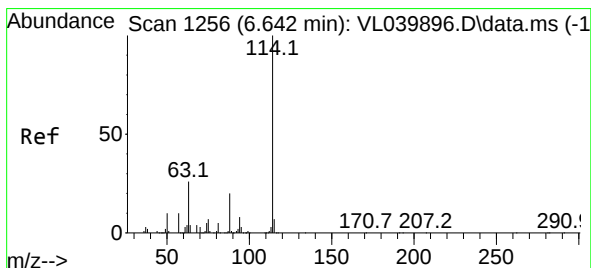
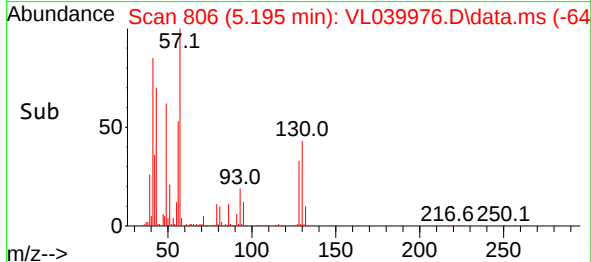
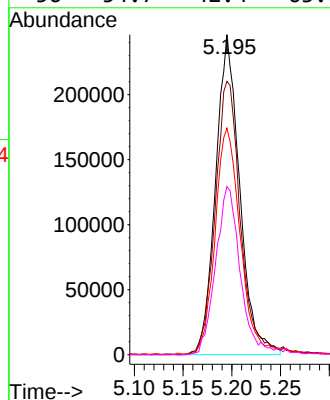
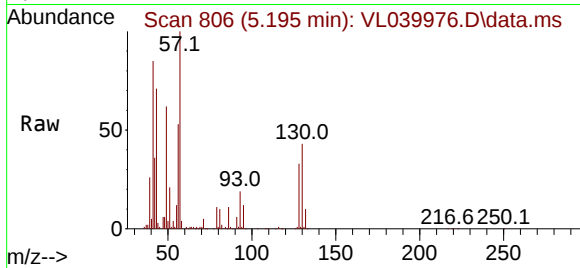




#26
Hexane
Concen: 3.378 ppbv
RT: 5.195 min Scan# 807
Delta R.T. 0.019 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

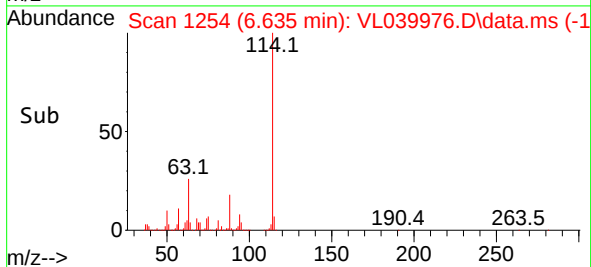
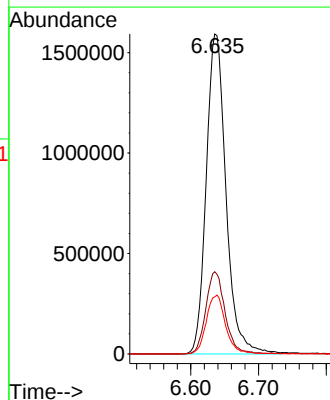
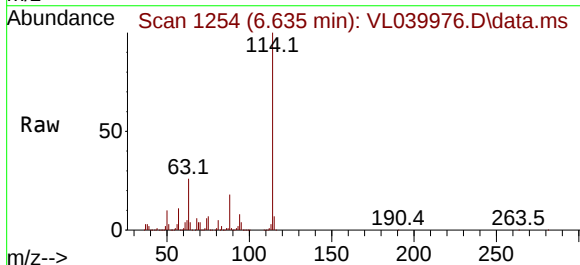
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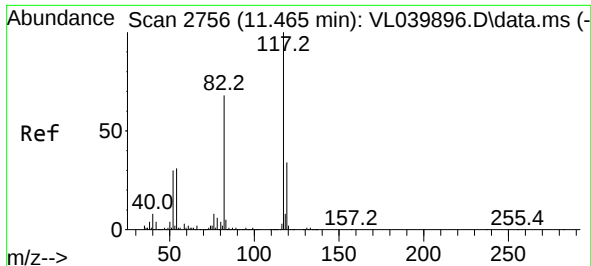
Tgt Ion: 57 Resp: 423503
Ion Ratio Lower Upper
57 100
41 90.3 72.3 108.5
43 75.4 188.7 283.1#
56 54.7 42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.016 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

Tgt Ion: 114 Resp: 3226625
Ion Ratio Lower Upper
114 100
63 25.3 21.4 32.0
88 18.0 15.3 22.9

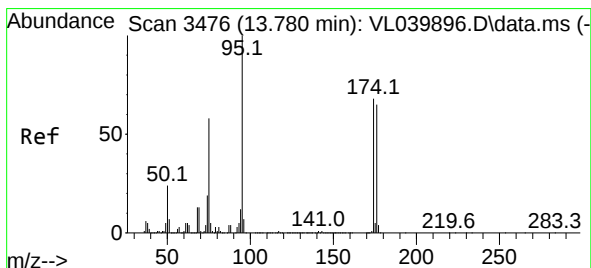
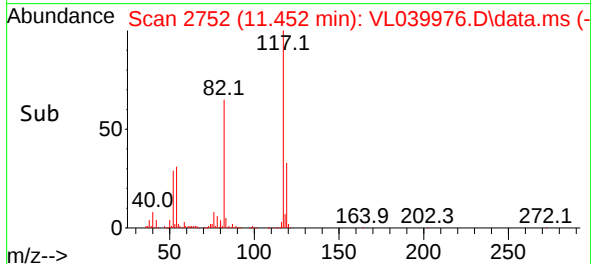
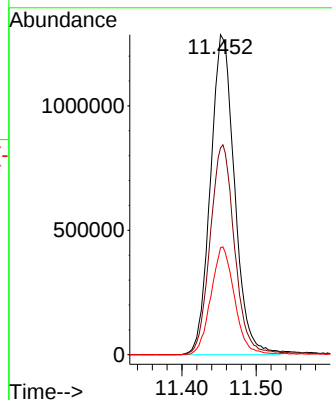
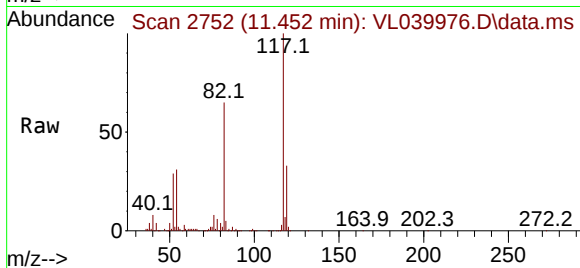




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

Tgt Ion:117 Resp: 2899671
Ion Ratio Lower Upper
117 100
82 67.1 52.3 78.5
119 33.6 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.785 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.026 min
Lab File: VL039976.D
Acq: 12 Dec 2022 15:08

Tgt Ion: 95 Resp: 2388585
Ion Ratio Lower Upper
95 100
174 60.6 53.7 80.5
175 4.2 4.0 6.0

