

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039990.D
 Acq On : 13 Dec 2022 00:23
 Operator : SY/MD
 Sample : N5971-09DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Dec 13 07:11:43 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)

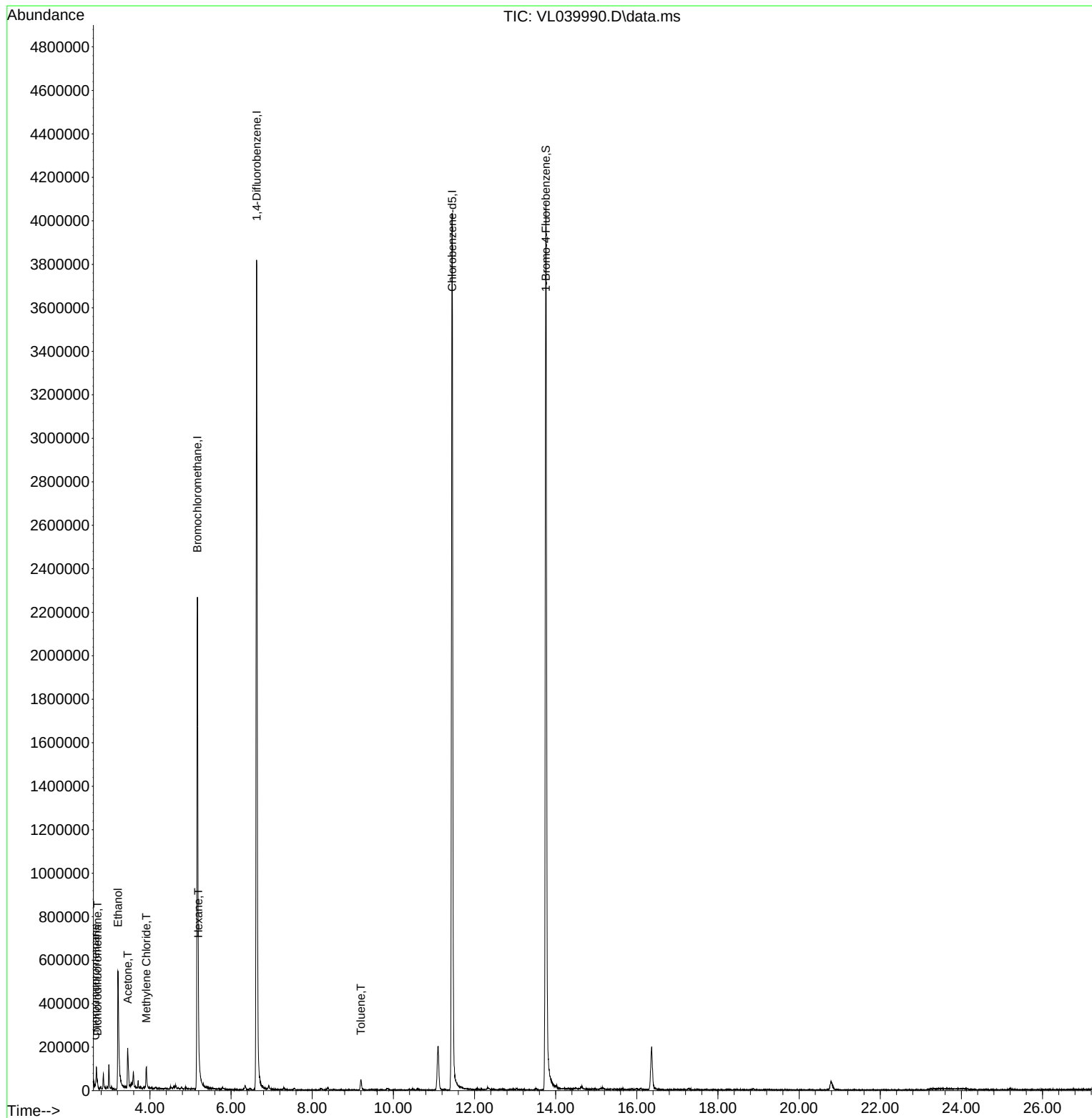
Internal Standards						
1) Bromochloromethane	5.169	49	1084241	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2823245	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2496810	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	2078886	10.901	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.706	85	17403	0.112	ppbv	93
3) Chlorodifluoromethane	2.655	51	17005	0.114	ppbv	92
13) Ethanol	3.214	45	594875	110.556	ppbv	96
15) Acetone	3.452	43	171424	1.192	ppbv	97
20) Methylene Chloride	3.912	84	33479	0.481	ppbv	84
26) Hexane	5.195	57	28504	0.247	ppbv #	40
53) Toluene	9.201	91	33867	0.124	ppbv	94

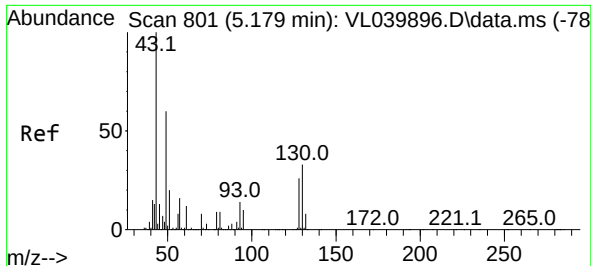
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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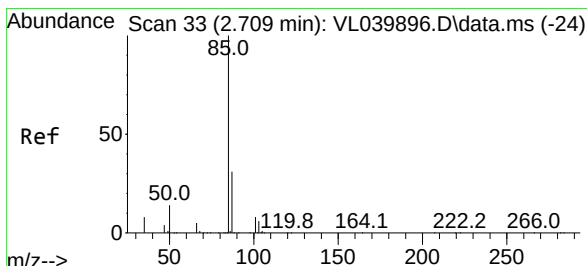
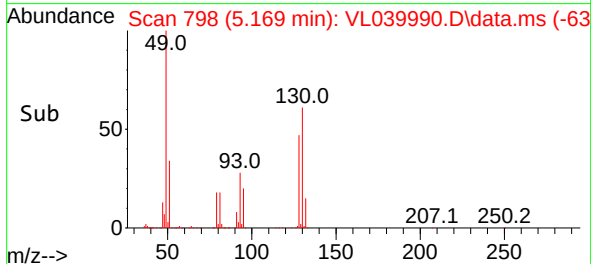
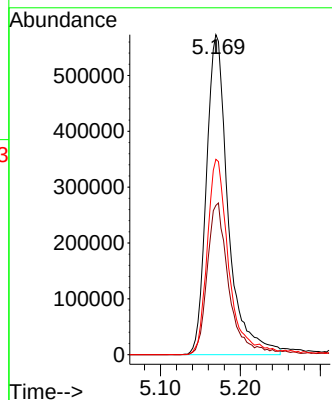
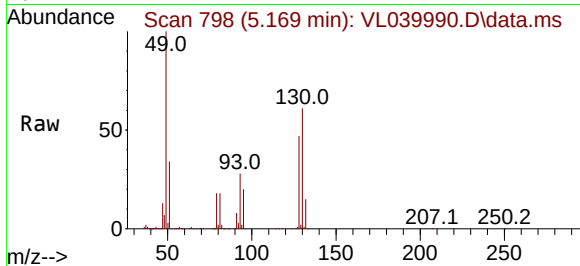




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 79
 Delta R.T. 0.013 min
 Lab File: VL039990.D
 Acq: 13 Dec 2022 00:23

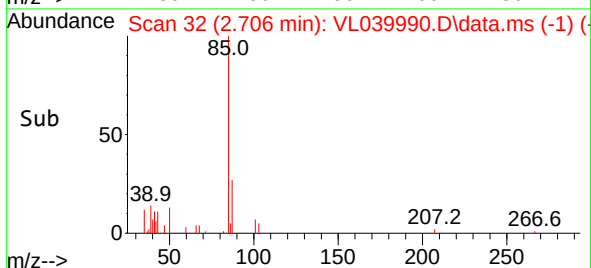
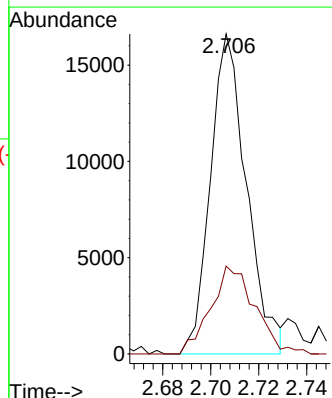
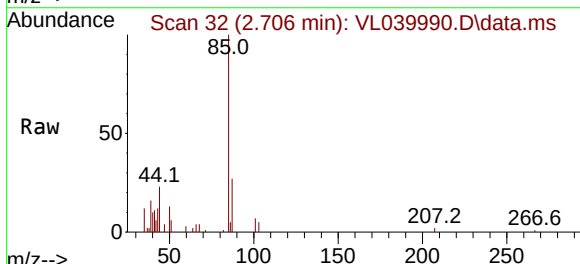
Instrument :
 MSVOA_1
 ClientSampleId :
 IA-1DL

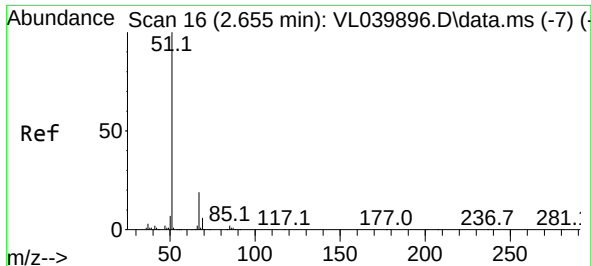
Tgt Ion: 49 Resp: 1084241
 Ion Ratio Lower Upper
 49 100
 128 48.7 22.1 66.3
 130 62.2 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.112 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. 0.010 min
 Lab File: VL039990.D
 Acq: 13 Dec 2022 00:23

Tgt Ion: 85 Resp: 17403
 Ion Ratio Lower Upper
 85 100
 87 27.5 25.0 37.4

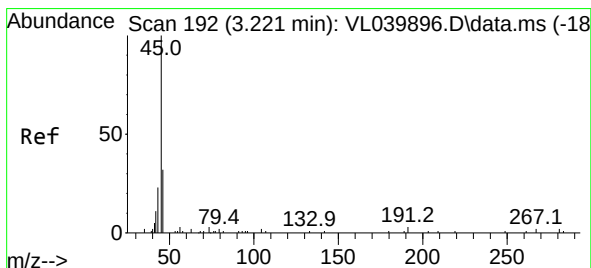
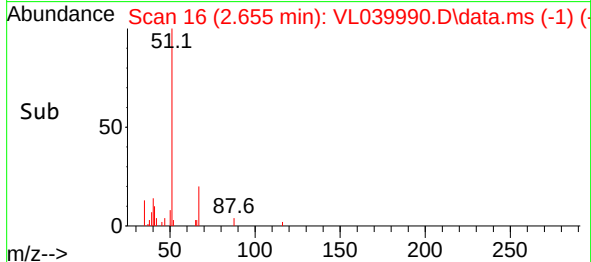
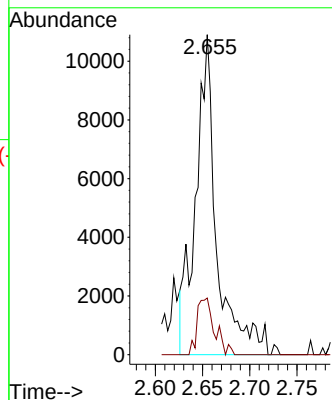
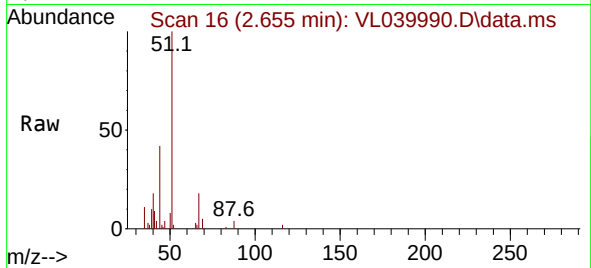




#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.655 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

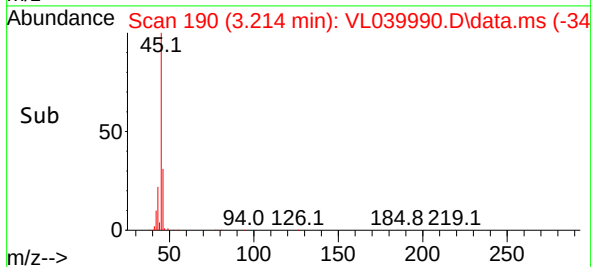
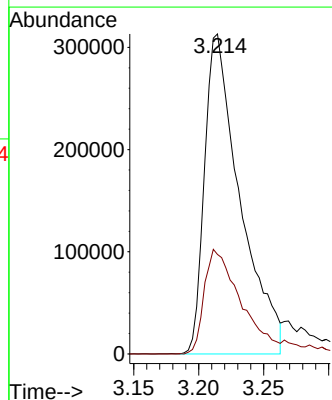
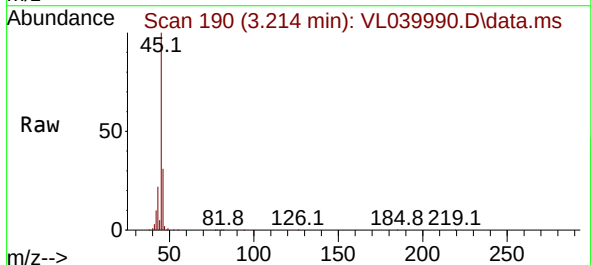
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

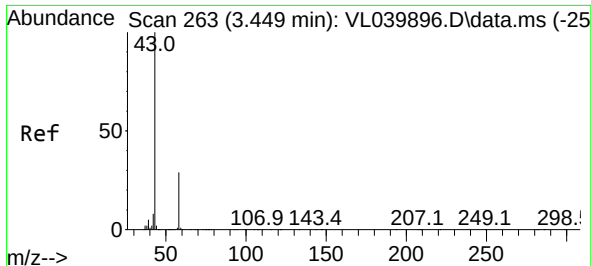
Tgt Ion: 51 Resp: 17005
Ion Ratio Lower Upper
51 100
67 14.4 14.2 21.4



#13
Ethanol
Concen: 110.556 ppbv
RT: 3.214 min Scan# 190
Delta R.T. 0.000 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 45 Resp: 594875
Ion Ratio Lower Upper
45 100
46 38.6 14.6 58.2

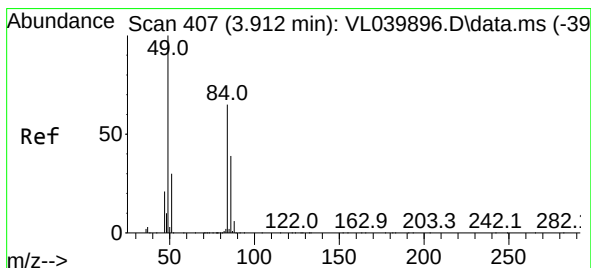
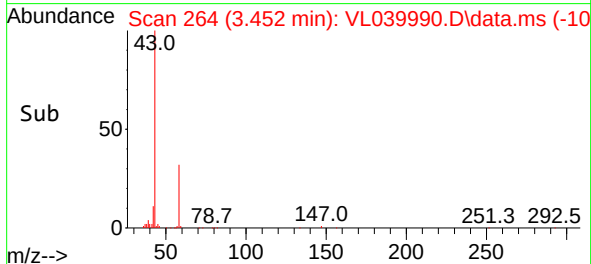
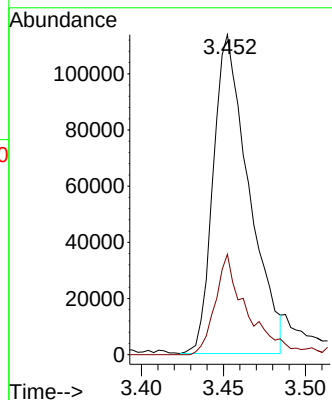
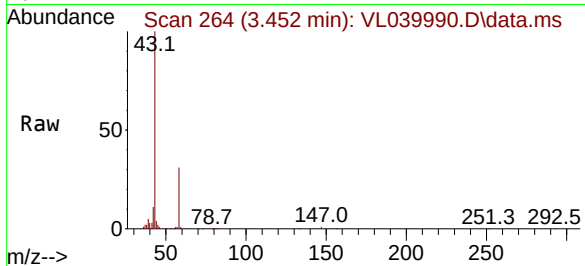




#15
Acetone
Concen: 1.192 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

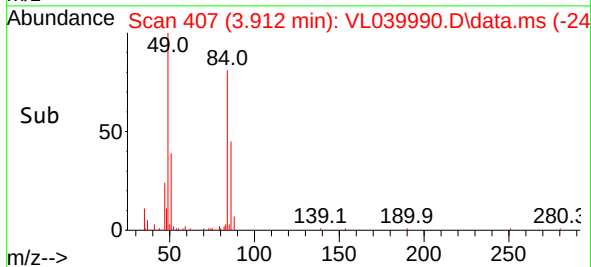
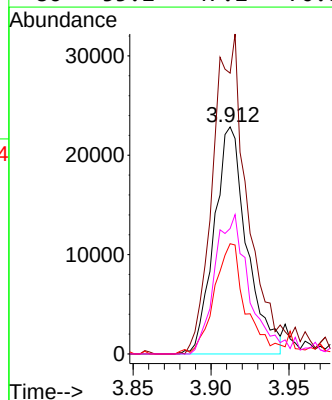
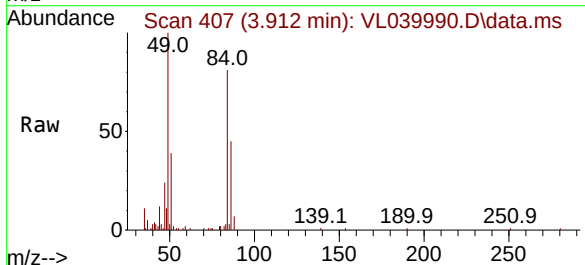
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

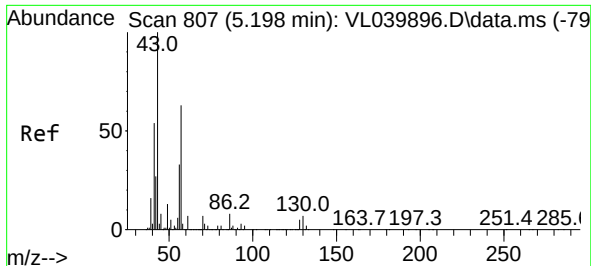
Tgt Ion: 43 Resp: 171424
Ion Ratio Lower Upper
43 100
58 29.9 22.9 34.3



#20
Methylene Chloride
Concen: 0.481 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 84 Resp: 33479
Ion Ratio Lower Upper
84 100
49 123.0 122.2 183.4
51 47.4 36.3 54.5
86 55.2 47.2 70.8

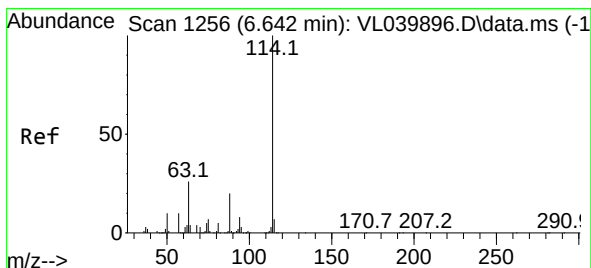
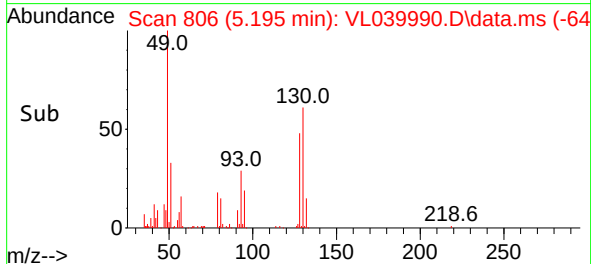
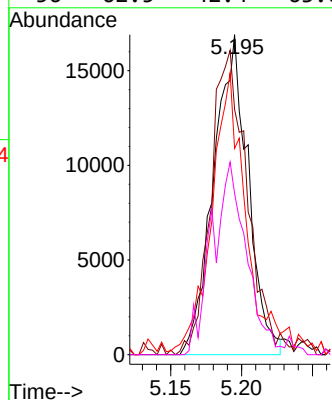
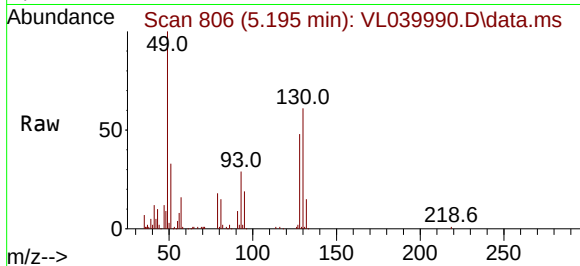




#26
Hexane
Concen: 0.247 ppbv
RT: 5.195 min Scan# 807
Delta R.T. 0.019 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

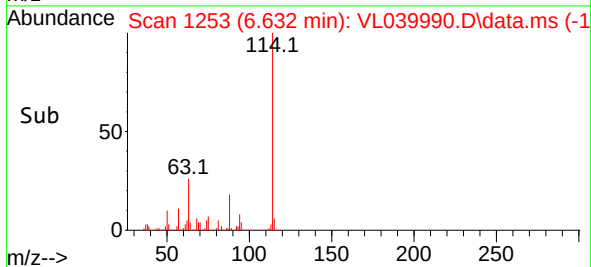
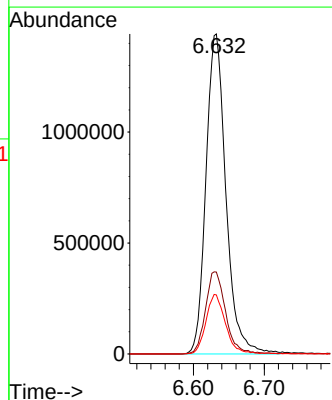
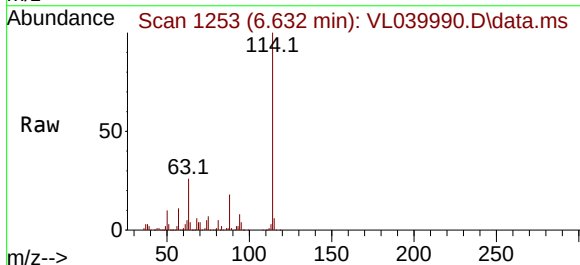
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

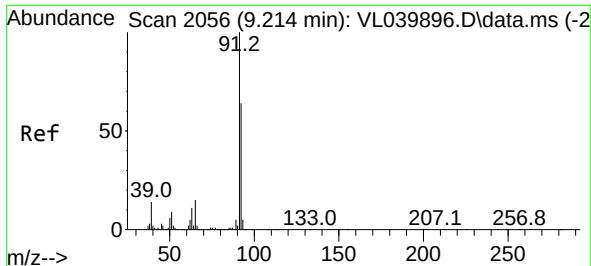
Tgt Ion: 57	Resp: 28504		
Ion	Ratio	Lower	Upper
57	100		
41	105.1	72.3	108.5
43	88.3	188.7	283.1#
56	62.5	42.4	63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.013 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion:114	Resp: 2823245		
Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.4	32.0
88	18.4	15.3	22.9

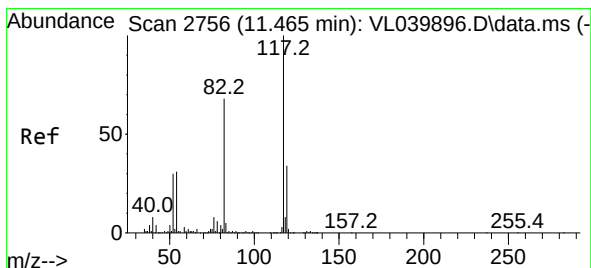
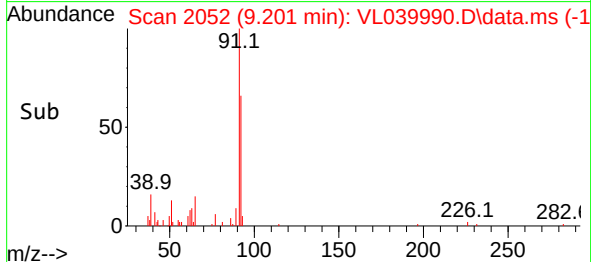
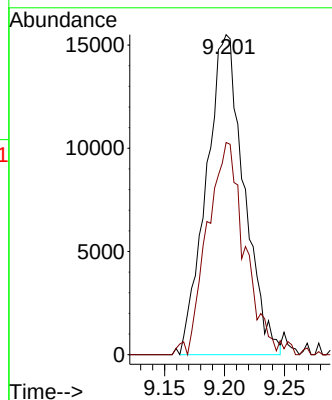
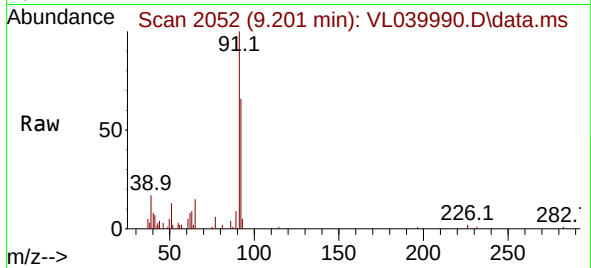




#53
Toluene
Concen: 0.124 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

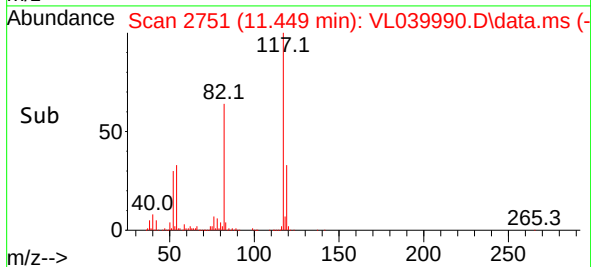
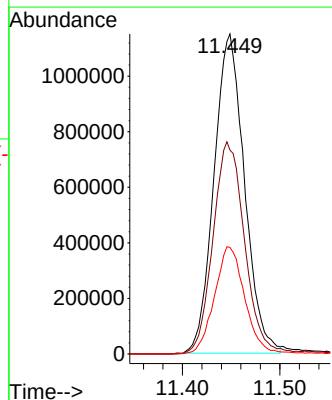
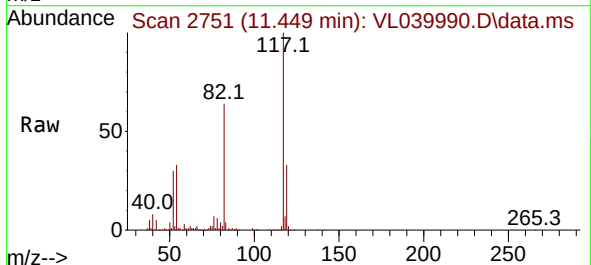
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

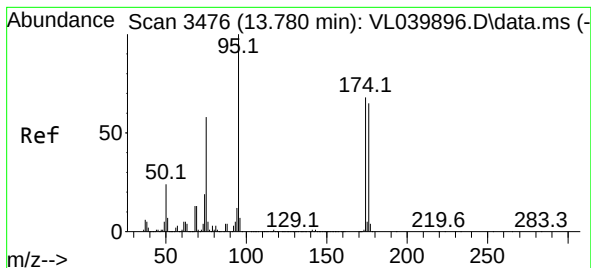
Tgt Ion: 91 Resp: 33867
Ion Ratio Lower Upper
91 100
92 66.9 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 117 Resp: 2496810
Ion Ratio Lower Upper
117 100
82 69.8 52.3 78.5
119 34.1 25.7 38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.901 ppbv
 RT: 13.761 min Scan# 3476
 Delta R.T. 0.019 min
 Lab File: VL039990.D
 Acq: 13 Dec 2022 00:23

Instrument :
 MSVOA_1
 ClientSampleId :
 IA-1DL

Tgt Ion: 95 Resp: 2078886

Ion	Ratio	Lower	Upper
95	100		
174	60.3	53.7	80.5
175	4.4	4.0	6.0

