

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039598.D
 Acq On : 26 Aug 2022 11:00
 Operator : SY/AP
 Sample : N3980-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 26 23:56:02 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

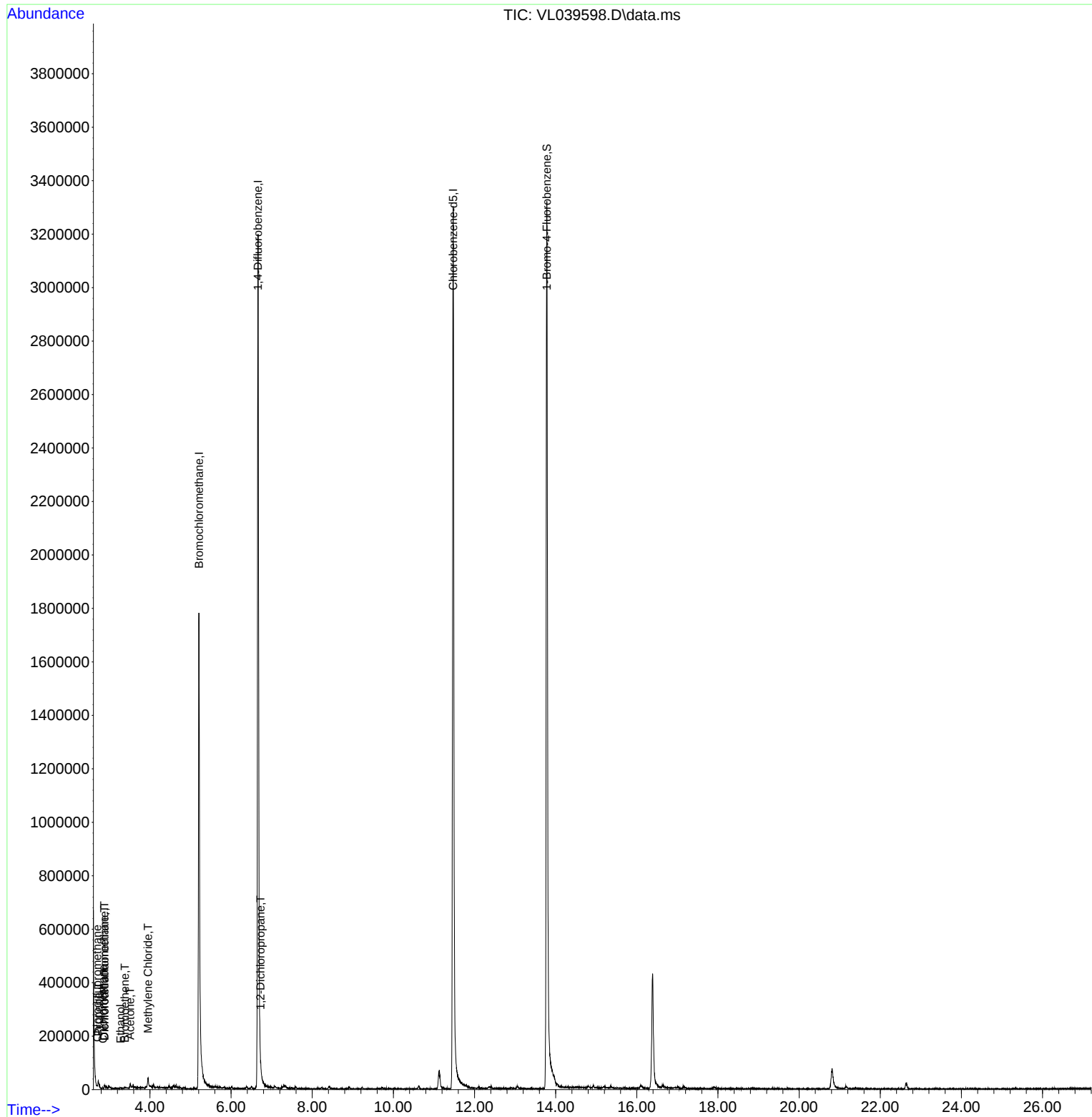
Internal Standards						
1) Bromochloromethane	5.208	49	926207	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2554926	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2219267	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1639818	9.794	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.880	85	4188	0.034	ppbv	100
3) Chlorodifluoromethane	2.700	51	3429	0.031	ppbv	96
4) Chloromethane	2.838	50	2582	0.039	ppbv #	81
8) Dichlorotetrafluoroethane	2.880	85	4188	0.032	ppbv	86
9) Propene	2.729	41	7521	0.149	ppbv #	78
13) Ethanol	3.279	45	395	0.109	ppbv #	23
14) Bromoethene	3.385	108	1285	0.031	ppbv	84
15) Acetone	3.510	43	15623	0.151	ppbv #	81
20) Methylene Chloride	3.954	84	6899	0.164	ppbv	85
39) 1,2-Dichloropropane	6.722	63	8872	0.121	ppbv #	20

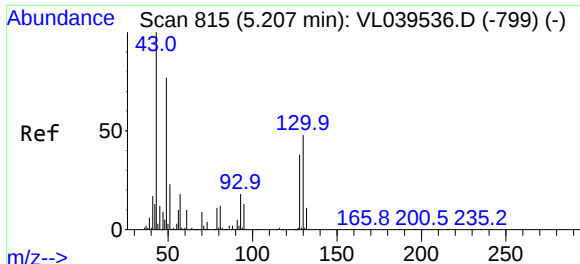
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

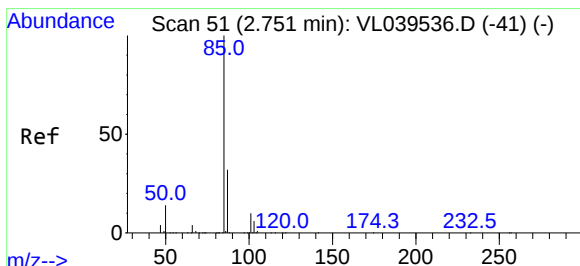
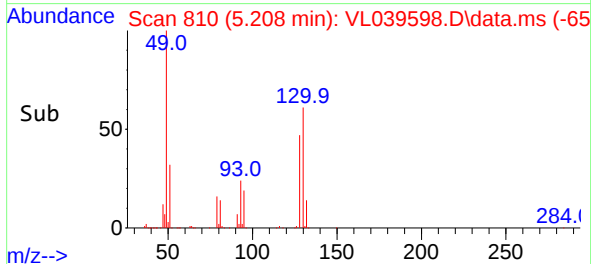
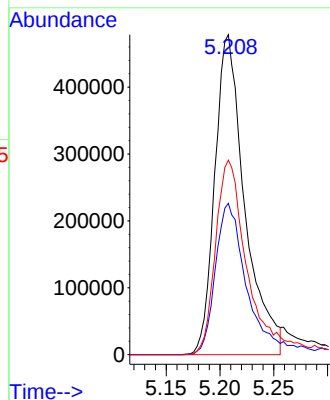
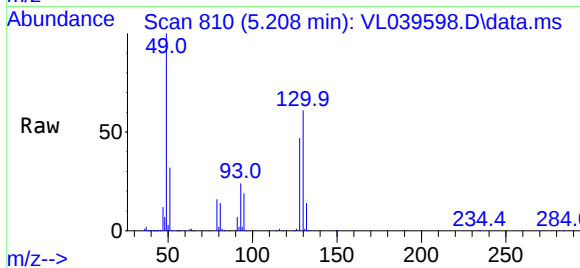




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

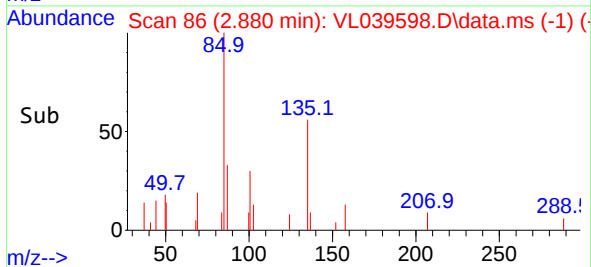
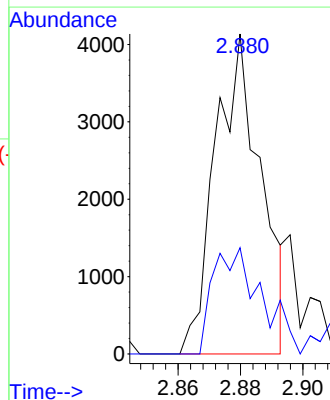
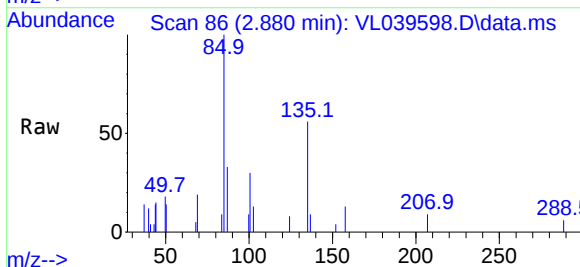
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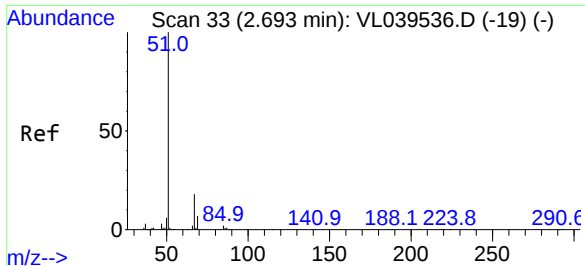
Tgt Ion: 49 Resp: 926207
Ion Ratio Lower Upper
49 100
128 52.0 26.7 80.0
130 68.7 34.3 102.8



#2
Dichlorodifluoromethane
Concen: 0.034 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.129 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 85 Resp: 4188
Ion Ratio Lower Upper
85 100
87 33.2 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

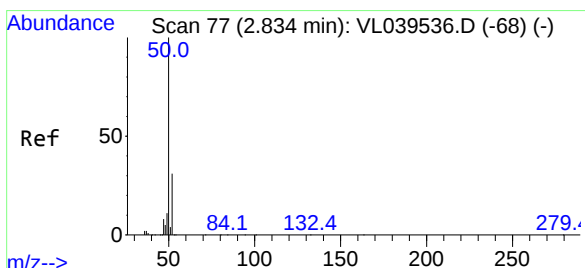
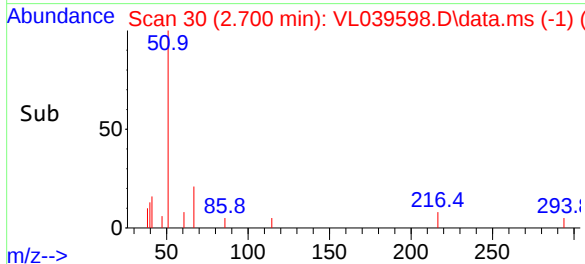
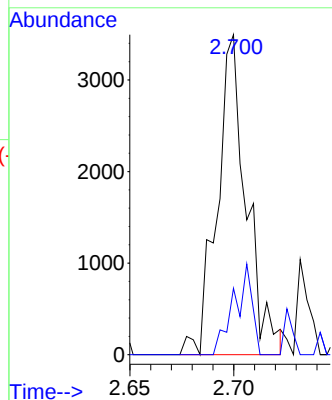
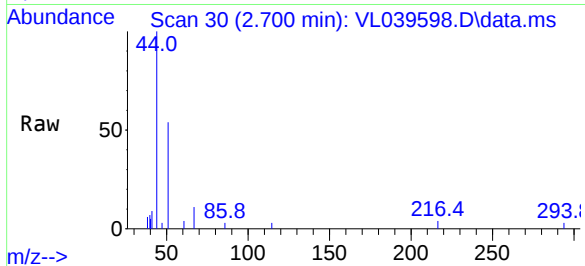
Instrument :

MSVOA_L

ClientSampleId :

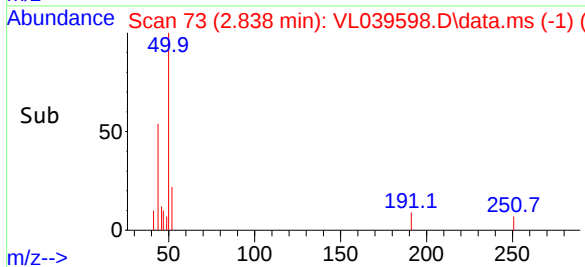
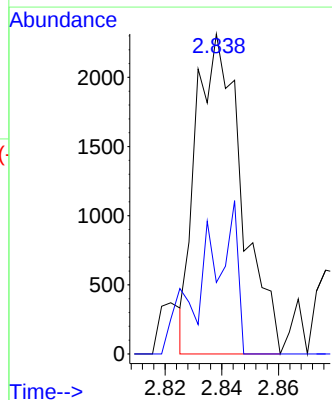
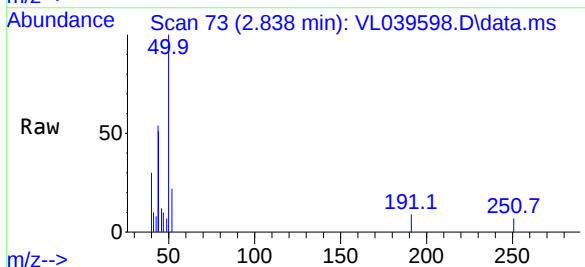
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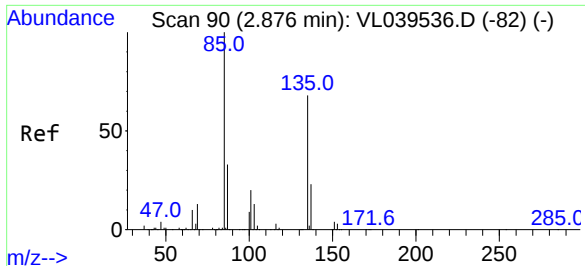
Tgt Ion: 51 Resp: 3429
Ion Ratio Lower Upper
51 100
67 17.6 15.7 23.5



#4
Chloromethane
Concen: 0.039 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 50 Resp: 2582
Ion Ratio Lower Upper
50 100
52 22.3 26.5 39.7#

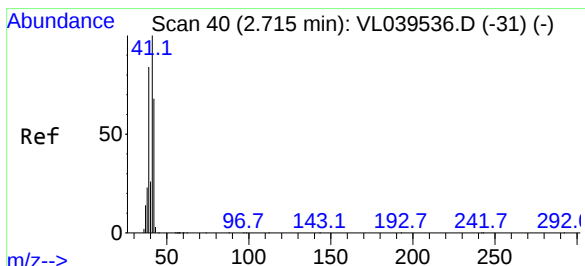
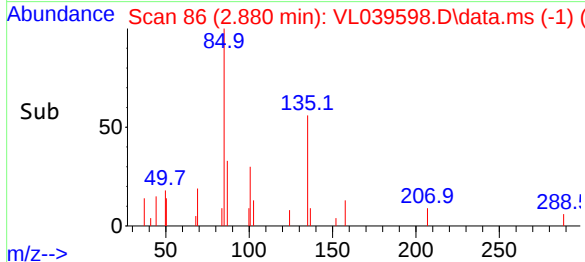
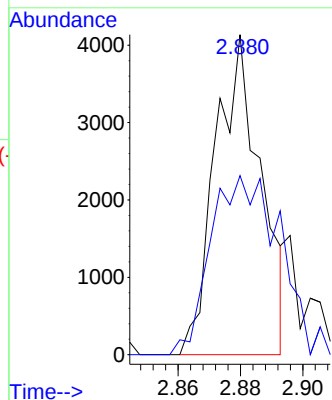
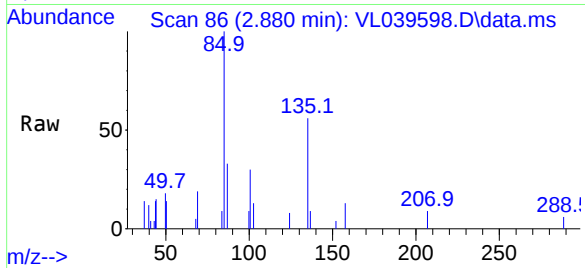




#8
Dichlorotetrafluoroethane
Concen: 0.032 ppbv
RT: 2.880 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

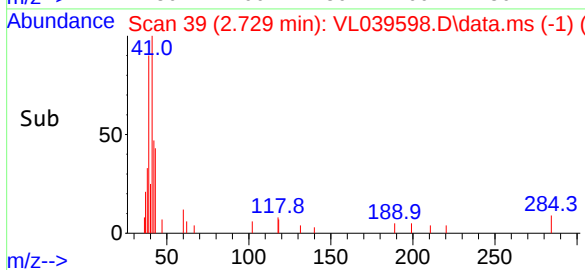
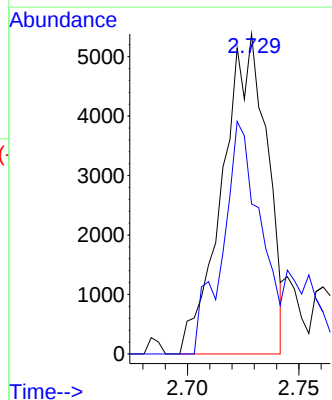
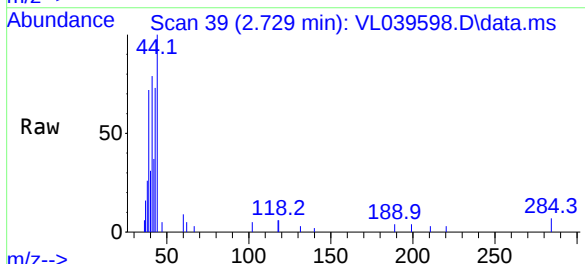
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

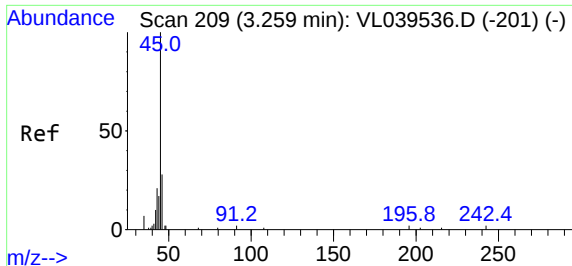
Tgt Ion: 85 Resp: 4188
Ion Ratio Lower Upper
85 100
135 85.9 59.0 88.4



#9
Propene
Concen: 0.149 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 41 Resp: 7521
Ion Ratio Lower Upper
41 100
42 86.9 55.2 82.8





#13

Ethanol

Concen: 0.109 ppbv

RT: 3.279 min Scan# 210

Delta R.T. 0.020 min

Lab File: VL039598.D

Acq: 26 Aug 2022 11:00

Instrument :

MSVOA_L

ClientSampleId :

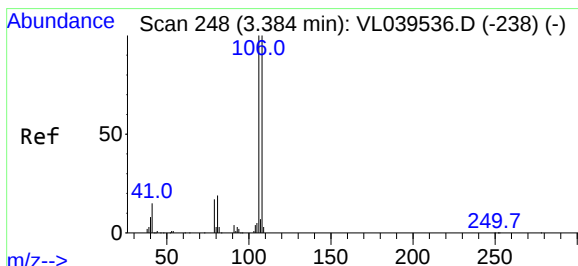
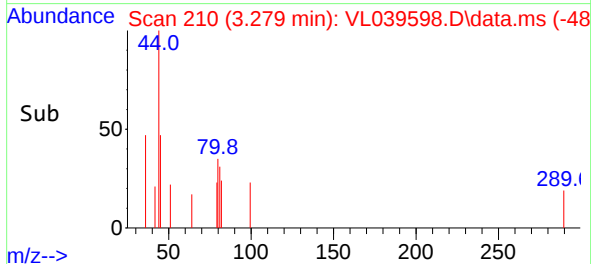
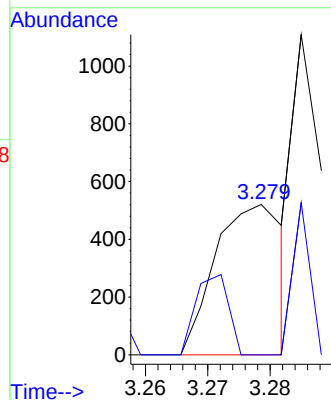
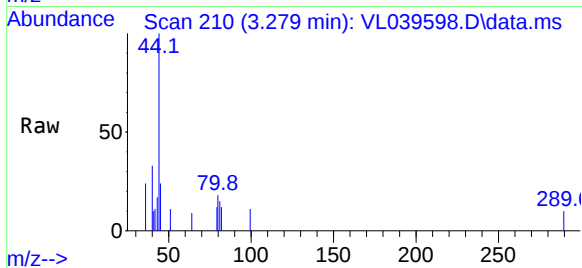
MDL-AIR-03-QT3-2022

Tgt Ion: 45 Resp: 395

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#



#14

Bromoethene

Concen: 0.031 ppbv

RT: 3.385 min Scan# 243

Delta R.T. 0.001 min

Lab File: VL039598.D

Acq: 26 Aug 2022 11:00

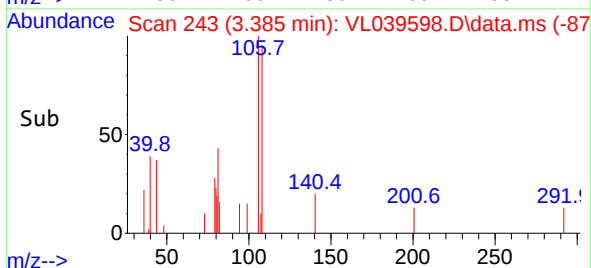
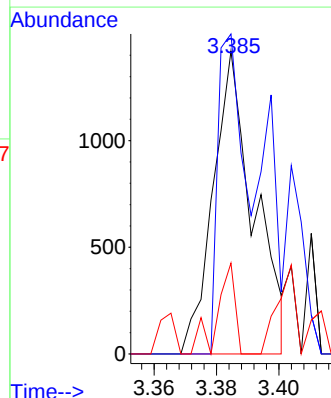
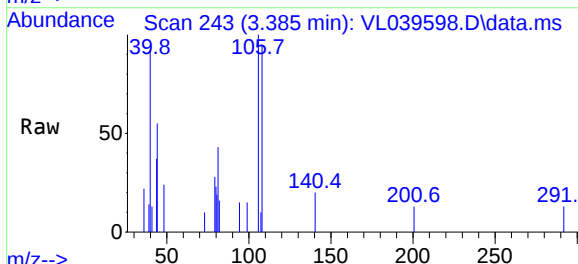
Tgt Ion: 108 Resp: 1285

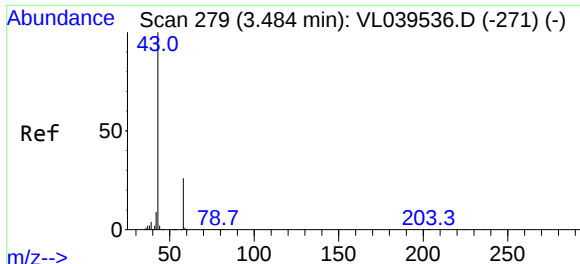
Ion Ratio Lower Upper

108 100

106 128.6 87.1 130.7

79 18.4 14.6 22.0

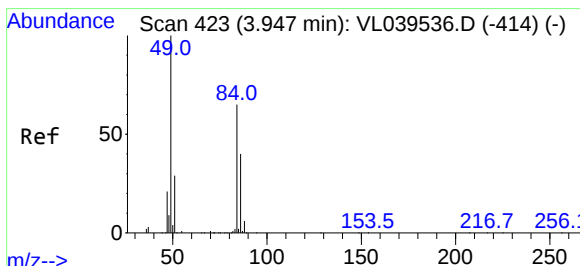
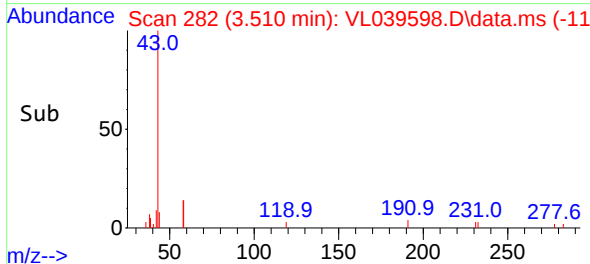
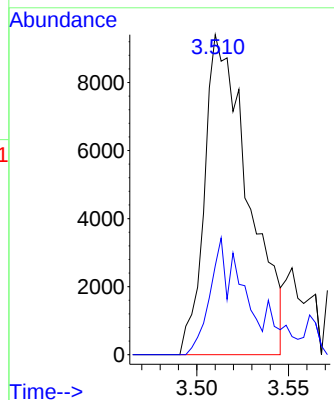
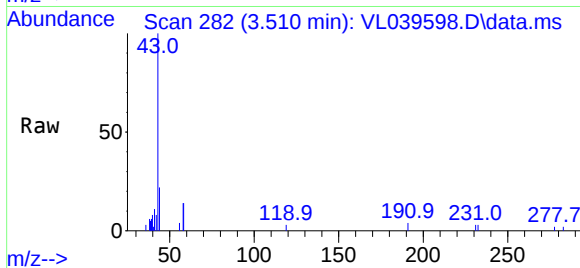




#15
Acetone
Concen: 0.151 ppbv
RT: 3.510 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

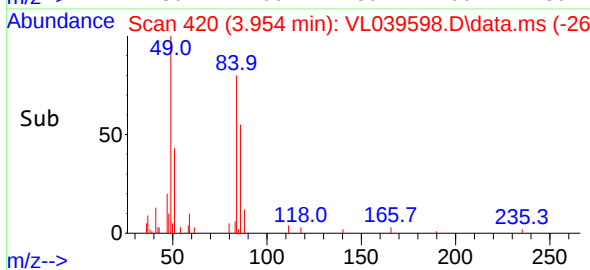
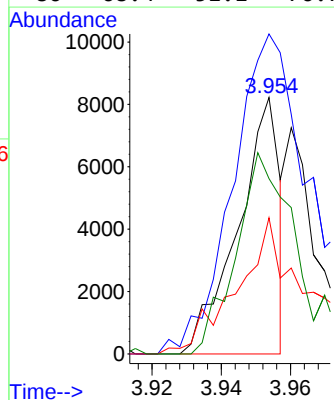
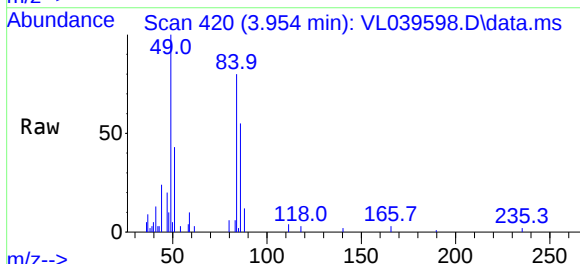
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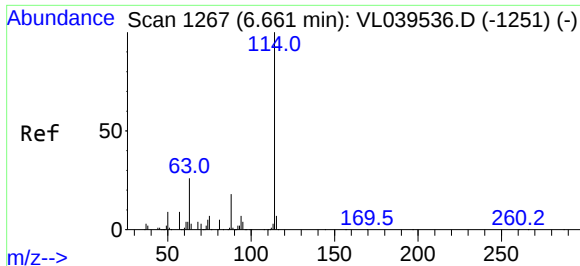
Tgt Ion: 43 Resp: 15623
Ion Ratio Lower Upper
43 100
58 35.8 21.0 31.6#



#20
Methylene Chloride
Concen: 0.164 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 84 Resp: 6899
Ion Ratio Lower Upper
84 100
49 128.5 123.1 184.7
51 50.9 34.4 51.6
86 68.4 51.1 76.7

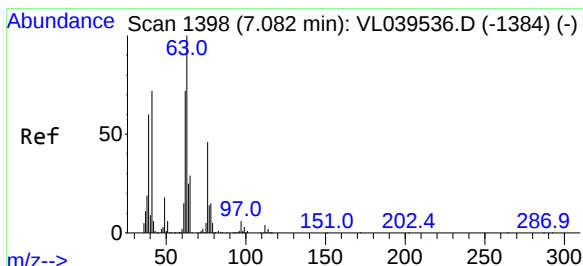
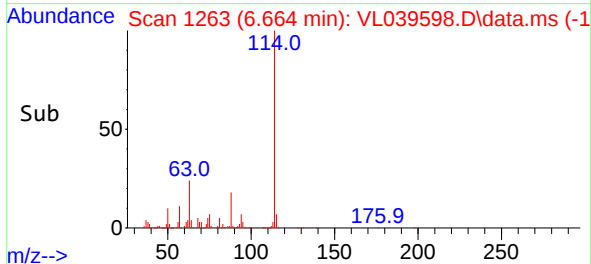
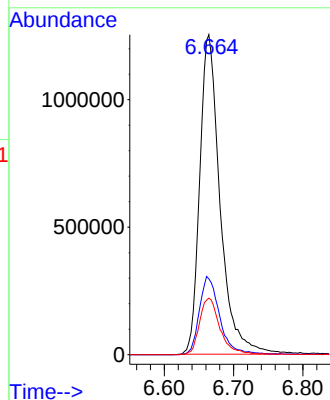
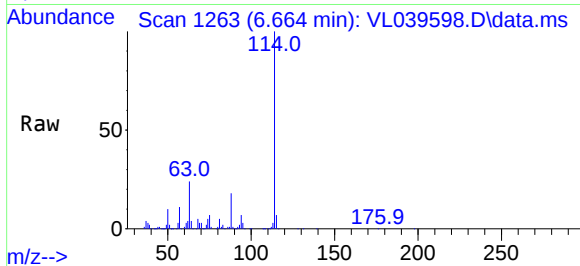




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 11
Delta R.T. 0.004 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

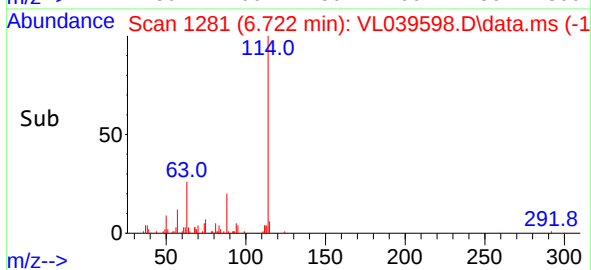
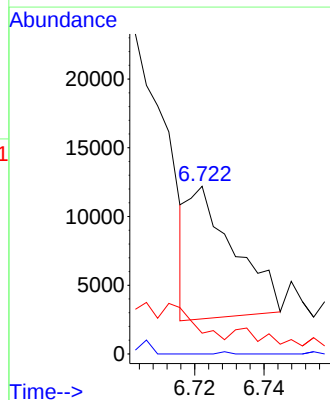
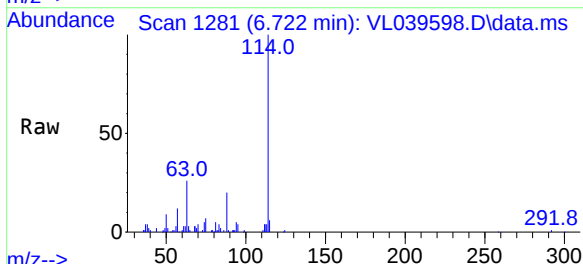
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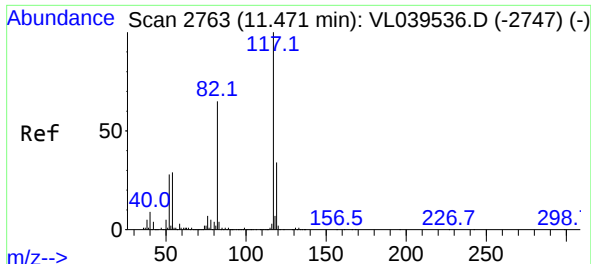
Tgt Ion:114 Resp: 2554926
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.2 14.5 21.7



#39
1,2-Dichloropropane
Concen: 0.121 ppbv
RT: 6.722 min Scan# 1281
Delta R.T. -0.360 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 63 Resp: 8872
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 8.8 51.4 77.0#

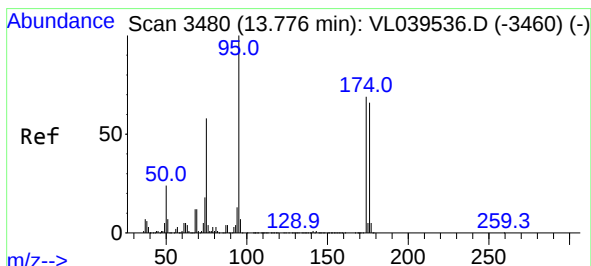
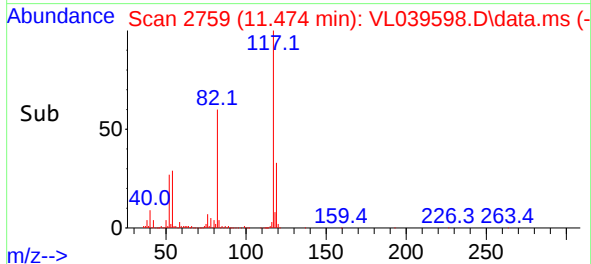
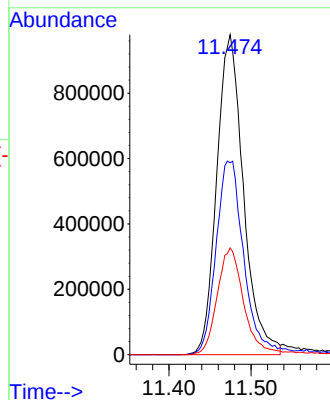
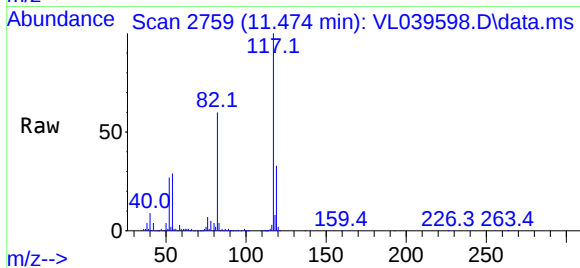




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Instrument :
MSVOA_L
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MDL-AIR-03-QT3-2022

Tgt Ion:117 Resp: 2219267
Ion Ratio Lower Upper
117 100
82 65.6 50.8 76.2
119 34.3 24.1 36.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.010 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 95 Resp: 1639818
Ion Ratio Lower Upper
95 100
174 73.8 55.9 83.9
175 5.5 4.2 6.4

