

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039569.D
 Acq On : 18 Aug 2022 21:44
 Operator : SY/AP
 Sample : N3980-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2022

Quant Time: Aug 19 03:06:01 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

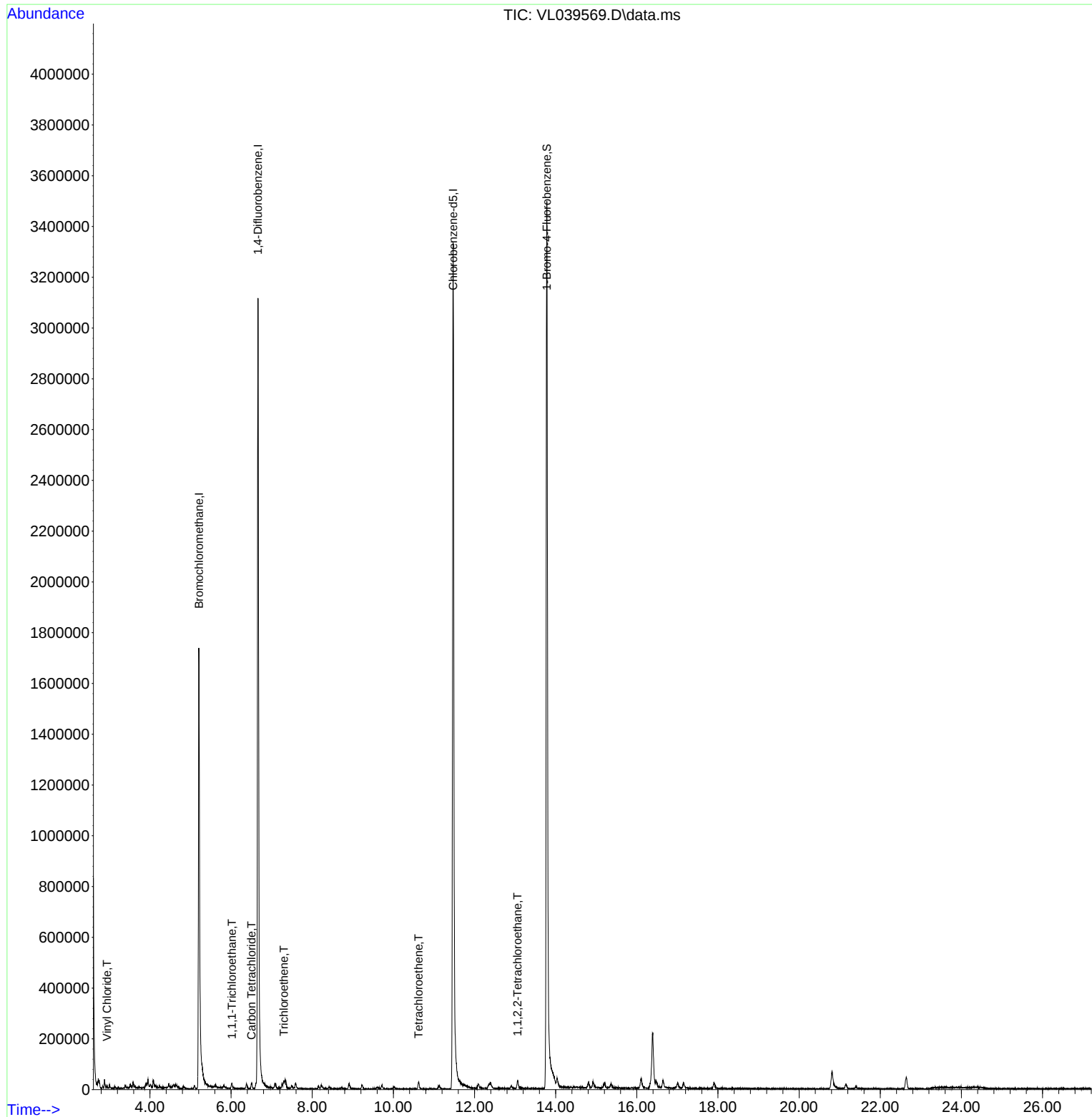
Internal Standards						
1) Bromochloromethane	5.208	49	907453	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2499868	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2217856	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1651974	9.894	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.941	62	5336	0.095	ppbv	# 86
32) 1,1,1-Trichloroethane	6.025	97	12145m	0.092	ppbv	
35) Carbon Tetrachloride	6.500	117	12506m	0.089	ppbv	
38) Trichloroethene	7.301	130	9242m	0.089	ppbv	
52) Tetrachloroethene	10.622	164	6286m	0.084	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	9346m	0.084	ppbv	

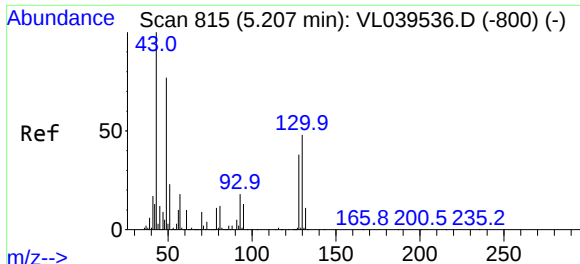
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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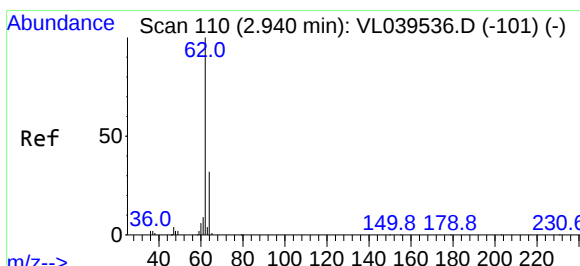
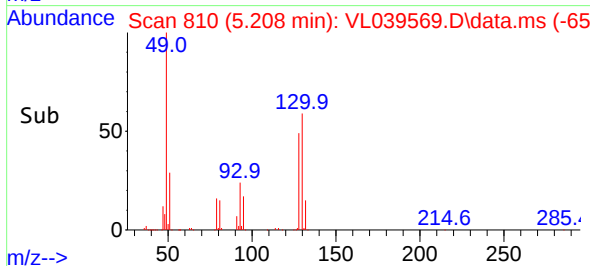
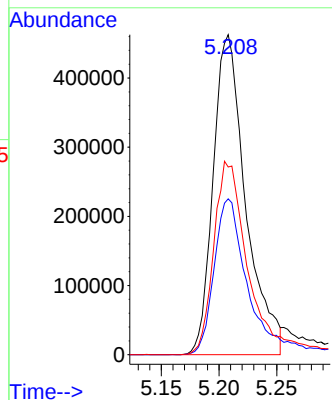
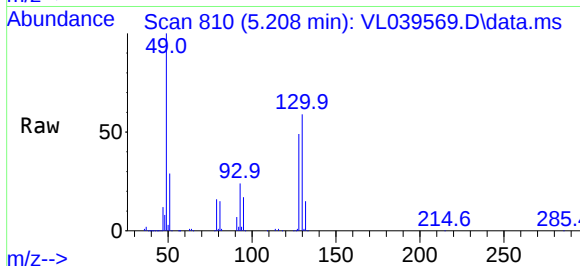




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

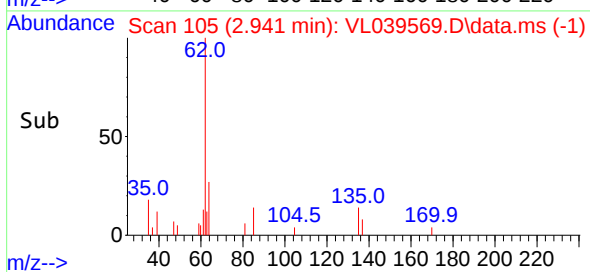
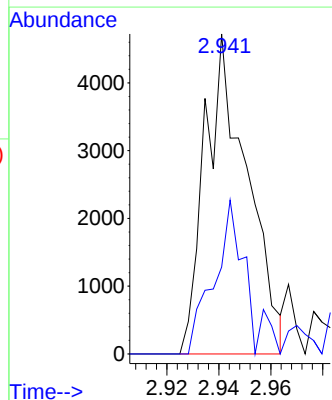
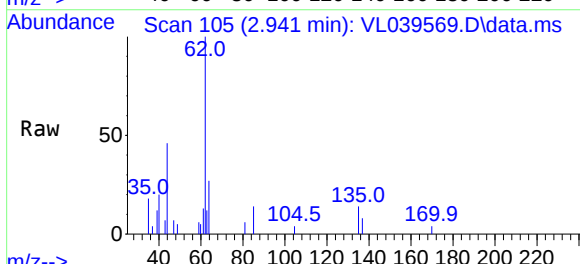
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2022

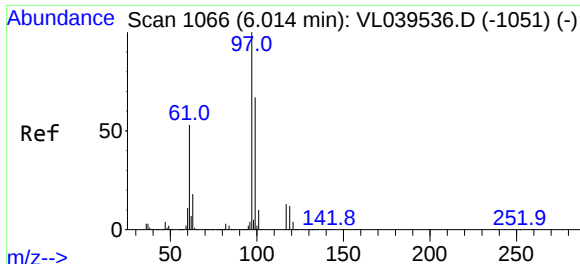
Tgt Ion: 49 Resp: 907453
Ion Ratio Lower Upper
49 100
128 54.4 25.7 77.0
130 67.2 31.6 95.0



#5
Vinyl Chloride
Concen: 0.095 ppbv
RT: 2.941 min Scan# 105
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Tgt Ion: 62 Resp: 5336
Ion Ratio Lower Upper
62 100
64 24.3 25.5 38.3#



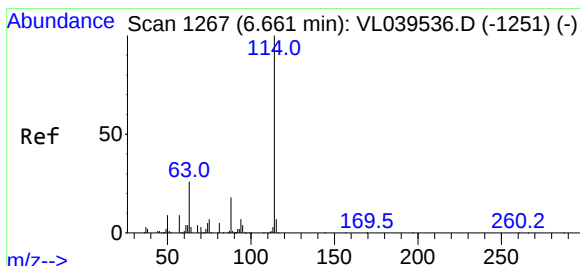
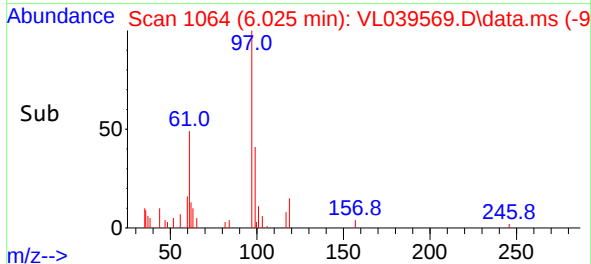
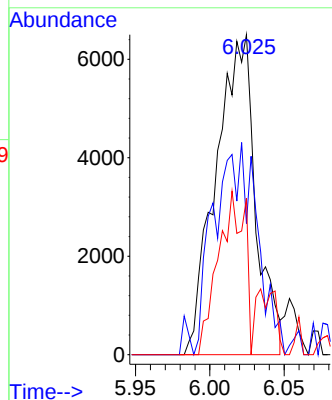
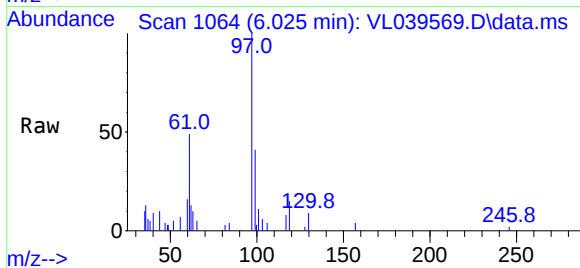


#32
1,1,1-Trichloroethane
Concen: 0.092 ppbv m
RT: 6.025 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2022

Tgt Ion: 97 Resp: 12145

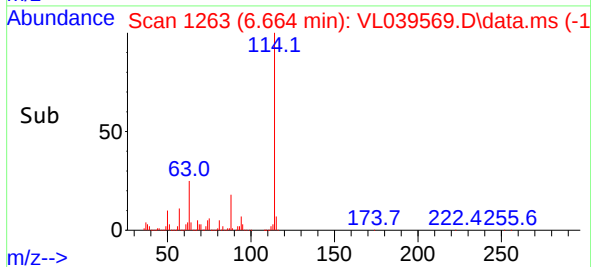
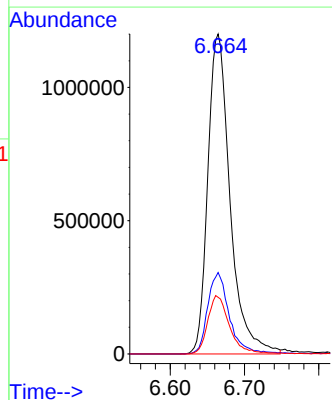
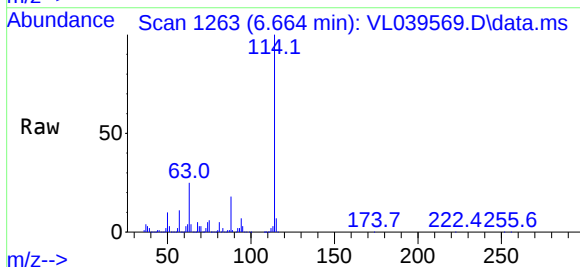
Ion	Ratio	Lower	Upper
97	100		
99	74.4	52.4	78.6
61	45.4	42.9	64.3

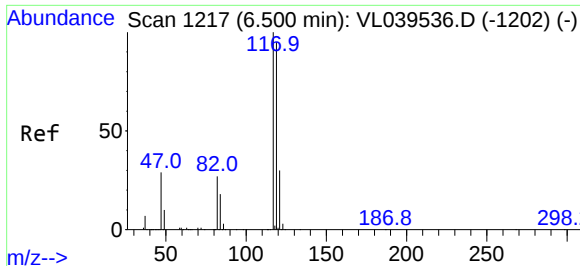


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.004 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Tgt Ion: 114 Resp: 2499868

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.6	31.0
88	18.0	14.6	22.0

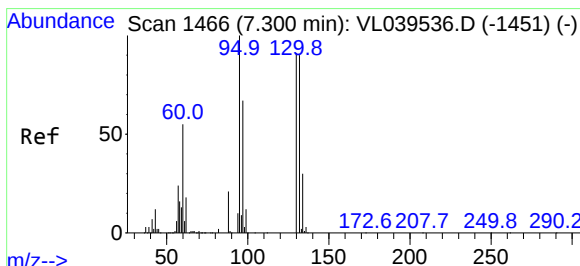
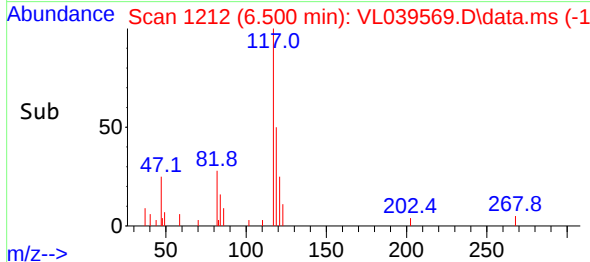
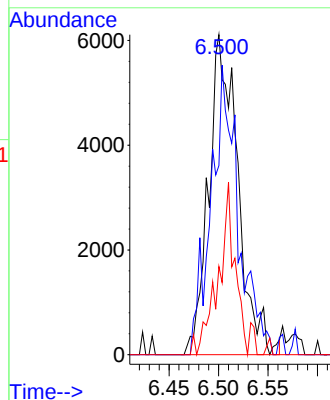
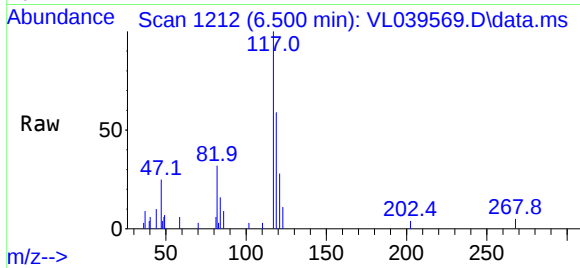




#35
Carbon Tetrachloride
Concen: 0.089 ppbv m
RT: 6.500 min Scan# 117
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

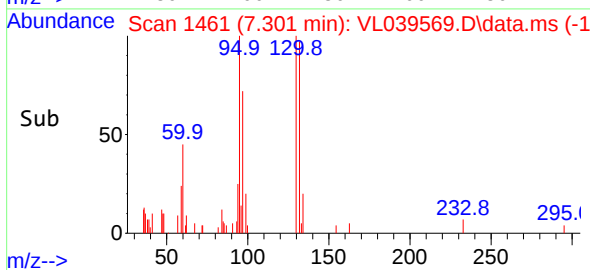
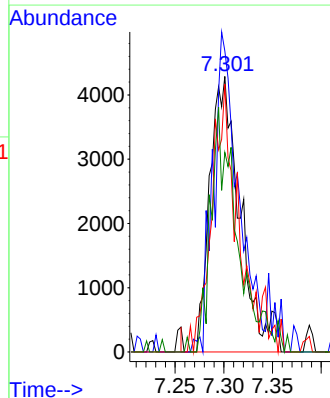
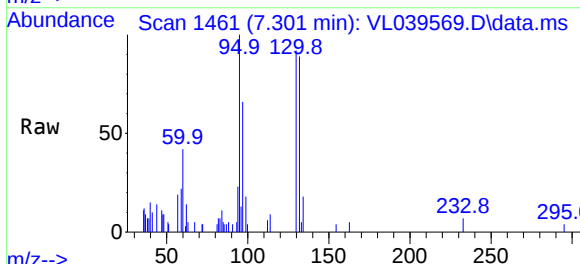
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT3-2022

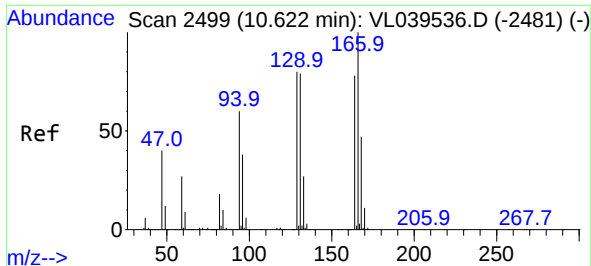
Tgt Ion:117 Resp: 12506
Ion Ratio Lower Upper
117 100
119 59.1 76.2 114.4#
121 27.5 24.4 36.6



#38
Trichloroethene
Concen: 0.089 ppbv m
RT: 7.301 min Scan# 1461
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Tgt Ion:130 Resp: 9242
Ion Ratio Lower Upper
130 100
95 109.3 88.0 132.0
132 97.2 79.1 118.7
97 72.4 58.7 88.1

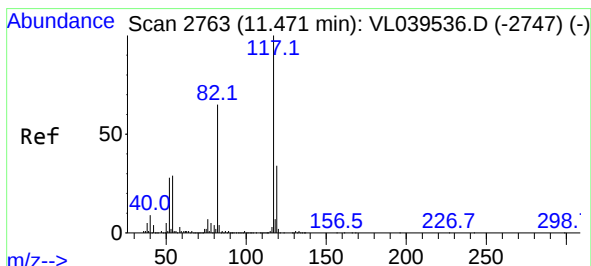
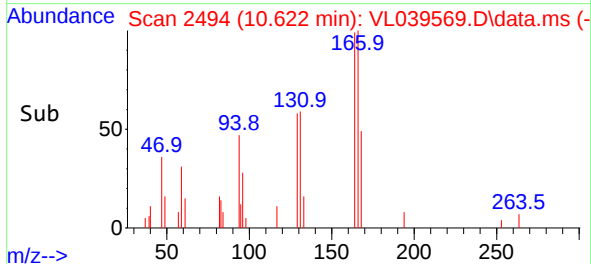
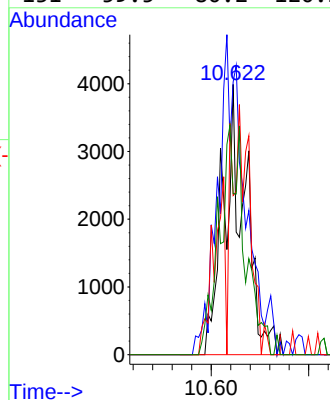
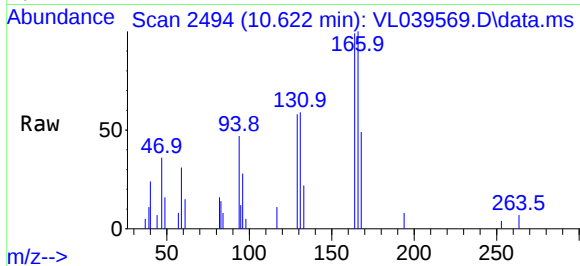




#52
Tetrachloroethene
Concen: 0.084 ppbv m
RT: 10.622 min Scan# 2499
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

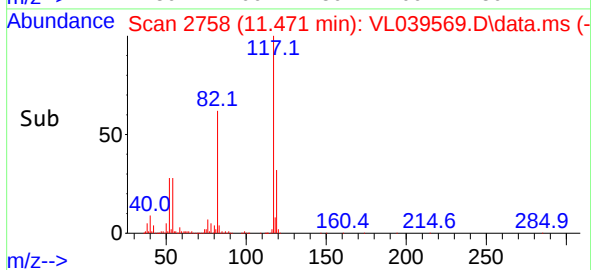
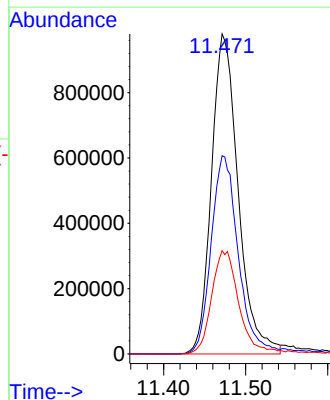
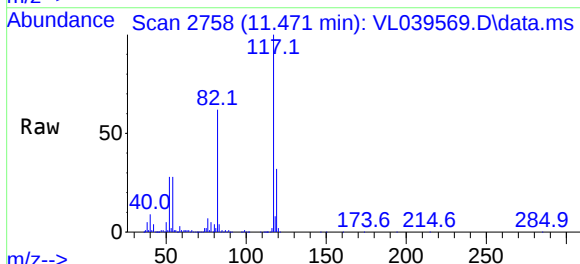
Instrument :
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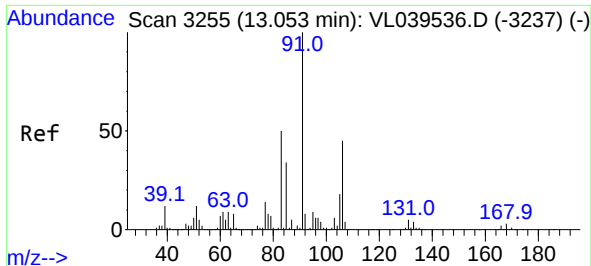
Tgt Ion:164 Resp: 6286
Ion Ratio Lower Upper
164 100
166 101.0 102.0 153.0#
129 58.9 81.7 122.5#
131 59.5 80.2 120.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.001 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Tgt Ion:117 Resp: 2217856
Ion Ratio Lower Upper
117 100
82 63.9 49.1 73.7
119 33.6 25.9 38.9

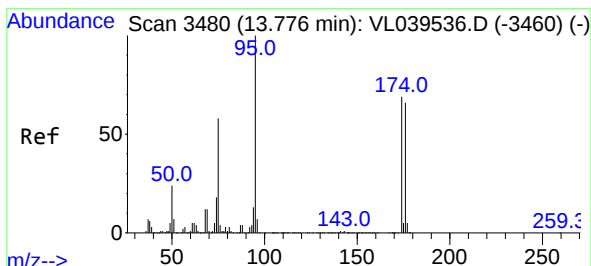
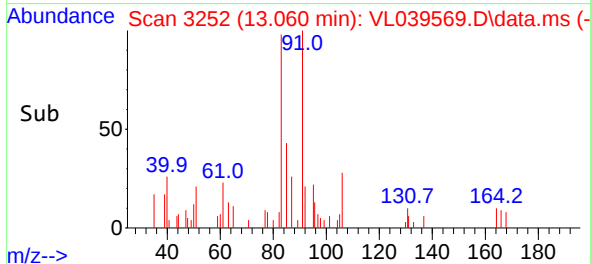
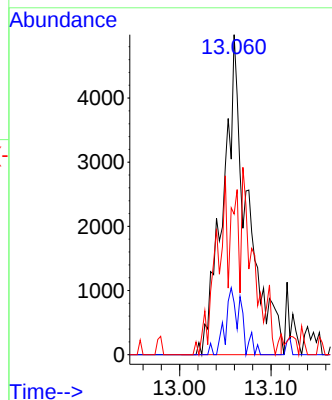
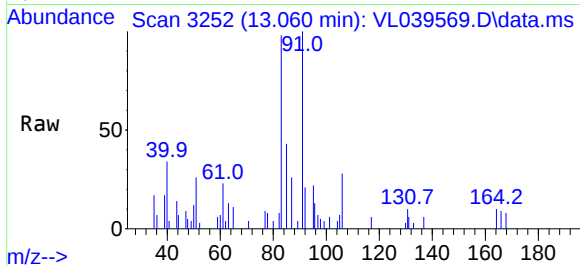




#63
1,1,2,2-Tetrachloroethane
Concen: 0.084 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2022

Tgt Ion: 83 Resp: 9346
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 0.0 33.2 99.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.894 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.004 min
Lab File: VL039569.D
Acq: 18 Aug 2022 21:44

Tgt Ion: 95 Resp: 1651974
Ion Ratio Lower Upper
95 100
174 75.5 56.3 84.5
175 5.4 4.3 6.5

