

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039572.D
 Acq On : 18 Aug 2022 23:43
 Operator : SY/AP
 Sample : N3980-14 LOQ 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2022

Quant Time: Aug 19 03:07:28 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)

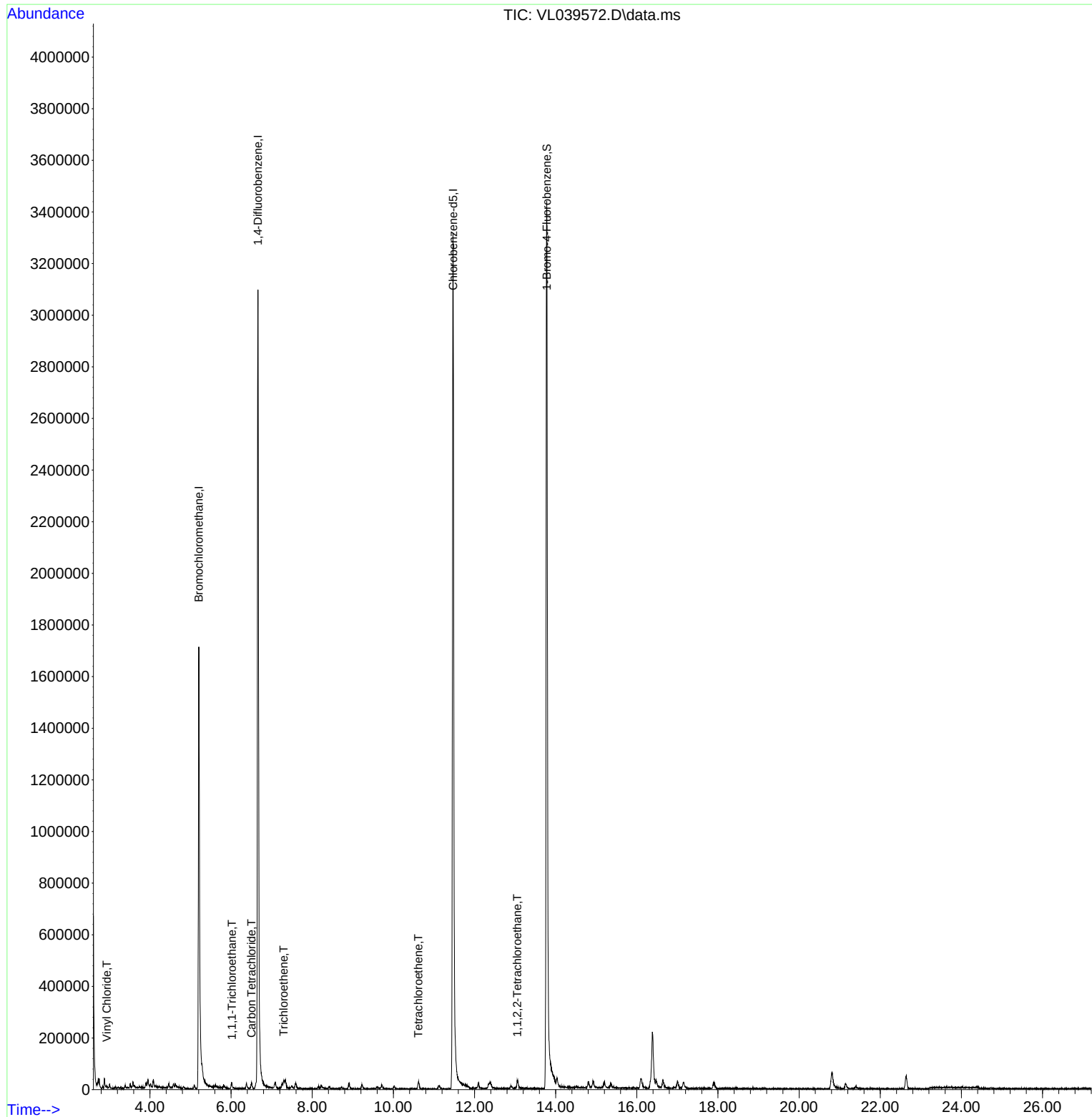
Internal Standards						
1) Bromochloromethane	5.205	49	937703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2487017	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2200803	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1708186	10.310	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.938	62	6679m	0.115	ppbv	
32) 1,1,1-Trichloroethane	6.025	97	11861m	0.087	ppbv	
35) Carbon Tetrachloride	6.504	117	12857m	0.092	ppbv	
38) Trichloroethene	7.298	130	8408m	0.082	ppbv	
52) Tetrachloroethene	10.619	164	7290m	0.098	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	11200m	0.101	ppbv	

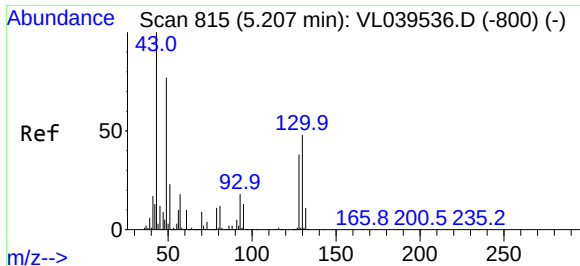
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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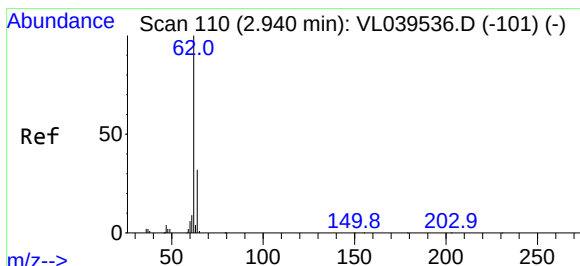
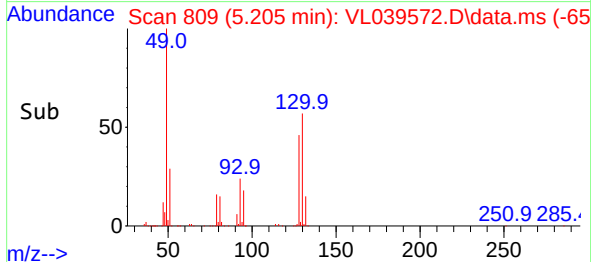
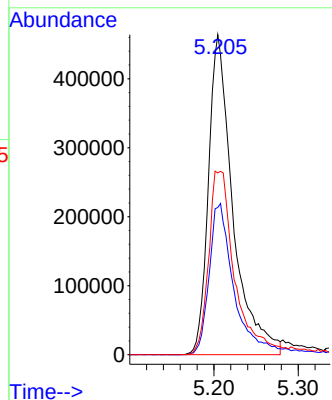
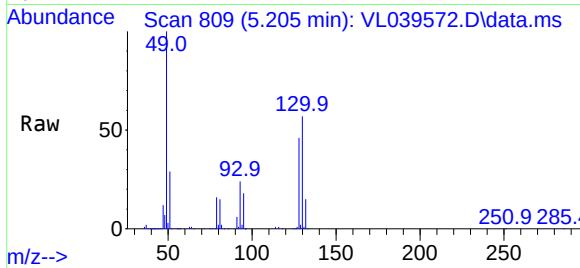




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

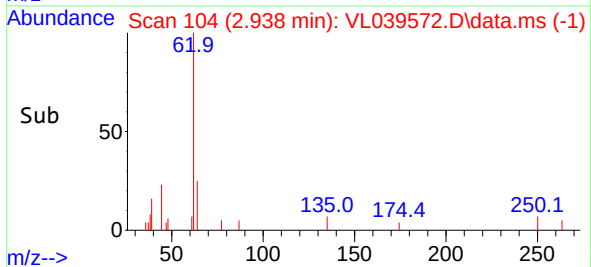
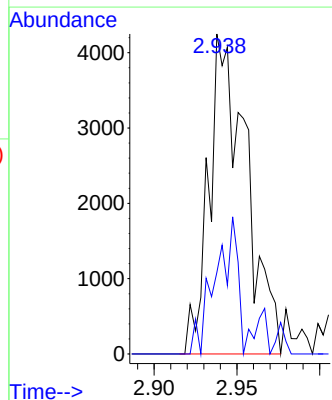
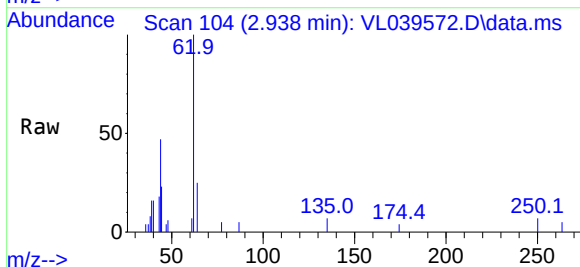
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

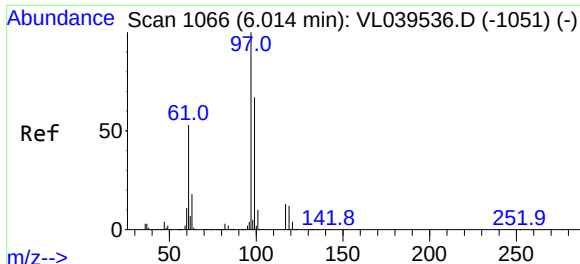
Tgt Ion: 49 Resp: 937703
Ion Ratio Lower Upper
49 100
128 49.4 25.7 77.0
130 64.6 31.6 95.0



#5
Vinyl Chloride
Concen: 0.115 ppbv m
RT: 2.938 min Scan# 104
Delta R.T. -0.003 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Tgt Ion: 62 Resp: 6679
Ion Ratio Lower Upper
62 100
64 25.5 25.5 38.3#



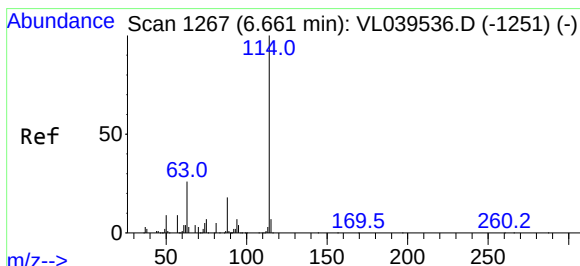
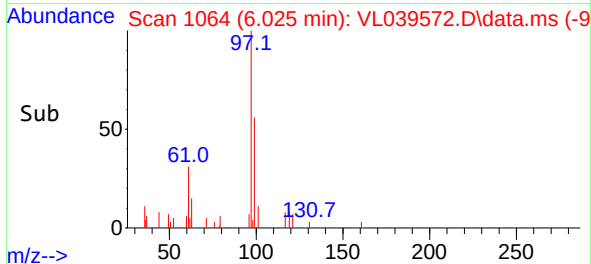
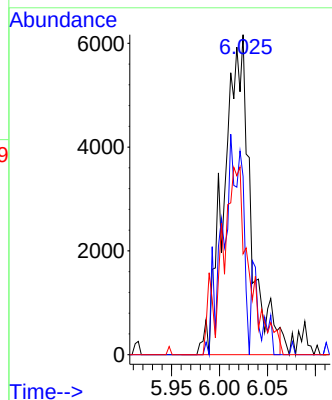
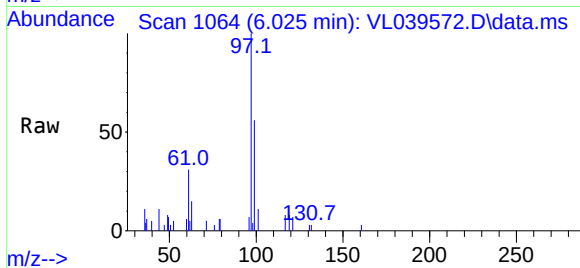


#32
1,1,1-Trichloroethane
Concen: 0.087 ppbv m
RT: 6.025 min Scan# 1066
Delta R.T. 0.010 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

Tgt Ion: 97 Resp: 11861

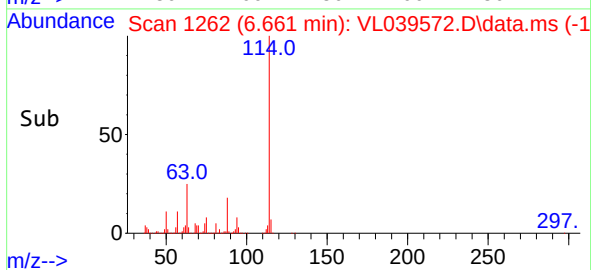
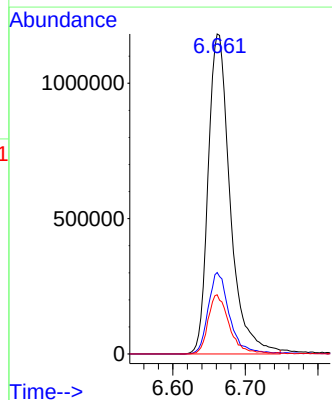
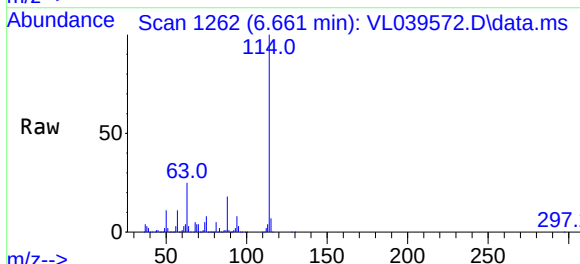
Ion	Ratio	Lower	Upper
97	100		
99	61.0	52.4	78.6
61	61.6	42.9	64.3

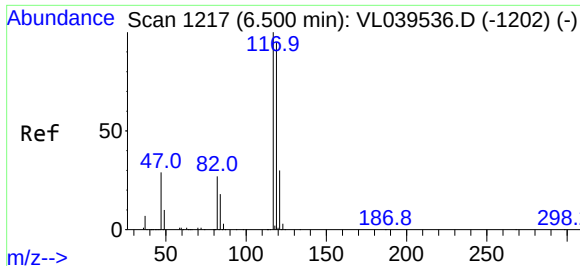


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.001 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Tgt Ion: 114 Resp: 2487017

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.6	31.0
88	18.0	14.6	22.0

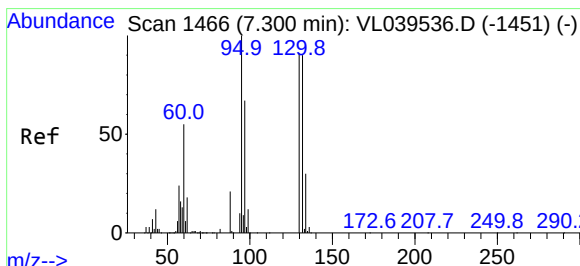
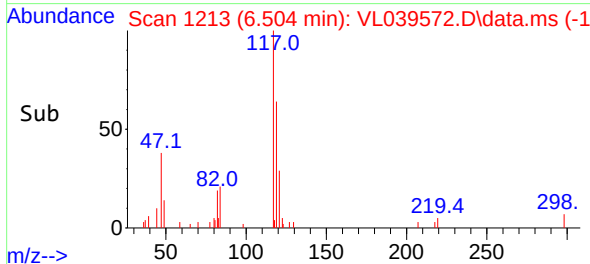
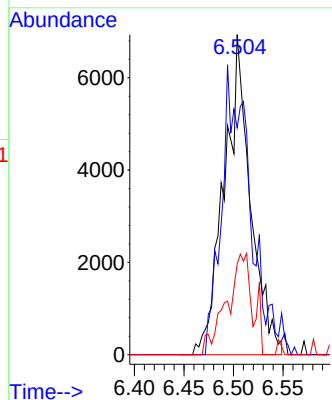
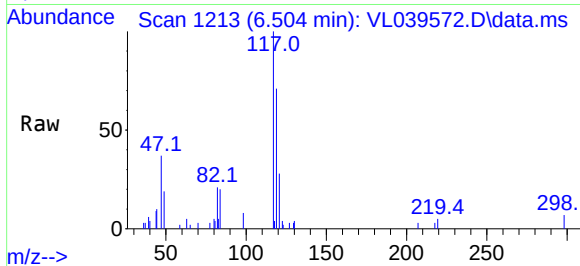




#35
Carbon Tetrachloride
Concen: 0.092 ppbv m
RT: 6.504 min Scan# 117
Delta R.T. 0.004 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

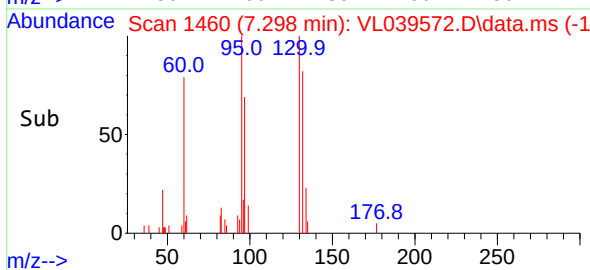
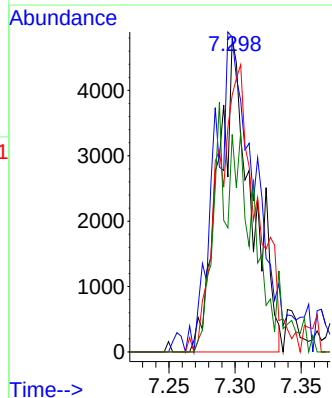
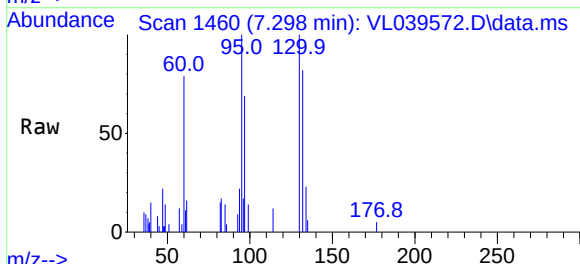
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT3-2022

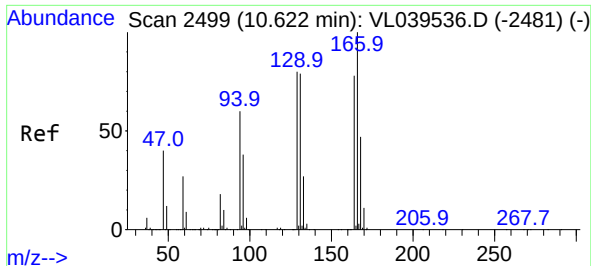
Tgt Ion:117 Resp: 12857
Ion Ratio Lower Upper
117 100
119 70.9 76.2 114.4#
121 28.4 24.4 36.6



#38
Trichloroethene
Concen: 0.082 ppbv m
RT: 7.298 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Tgt Ion:130 Resp: 8408
Ion Ratio Lower Upper
130 100
95 100.4 88.0 132.0
132 82.0 79.1 118.7
97 69.4 58.7 88.1



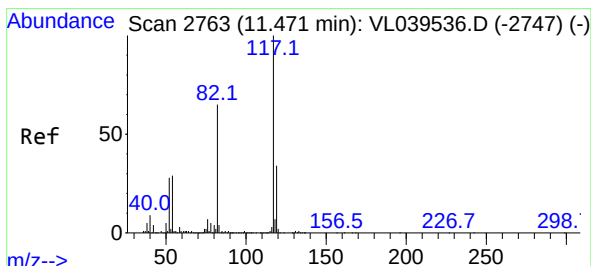
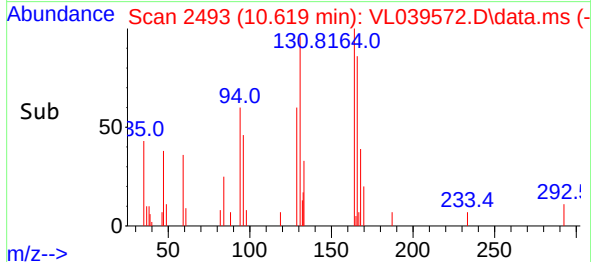
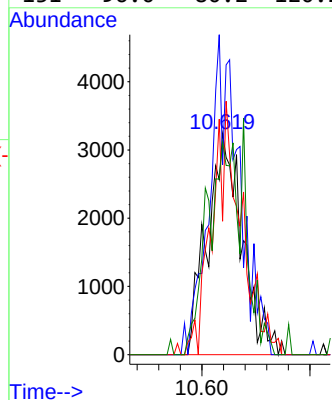
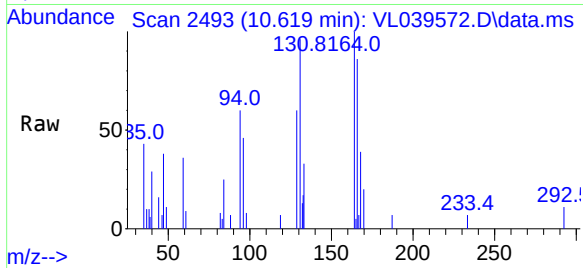


#52
Tetrachloroethene
Concen: 0.098 ppbv m
RT: 10.619 min Scan# 2499
Delta R.T. -0.003 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

Tgt Ion:164 Resp: 7290

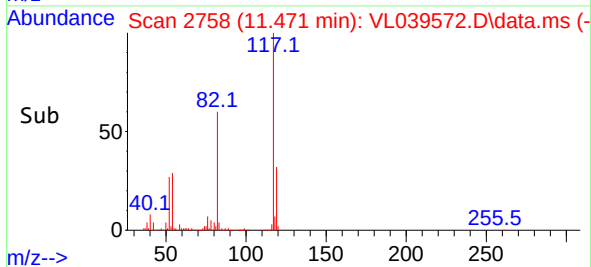
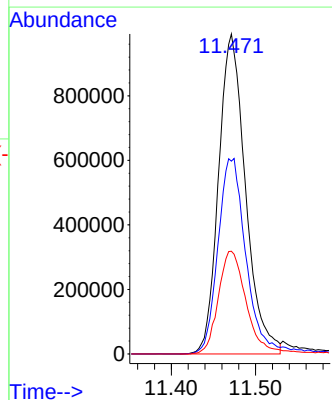
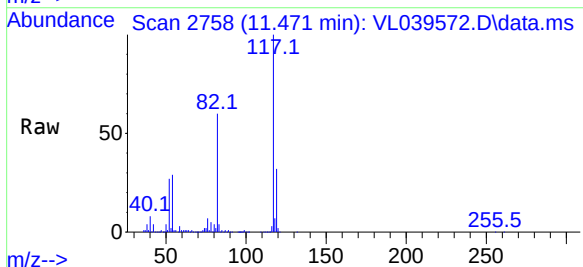
Ion	Ratio	Lower	Upper
164	100		
166	85.8	102.0	153.0#
129	60.3	81.7	122.5#
131	96.0	80.2	120.2

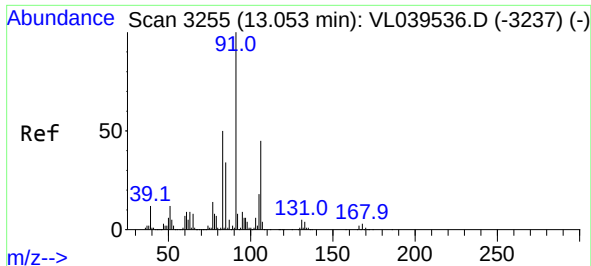


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.001 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Tgt Ion:117 Resp: 2200803

Ion	Ratio	Lower	Upper
117	100		
82	65.1	49.1	73.7
119	34.0	25.9	38.9

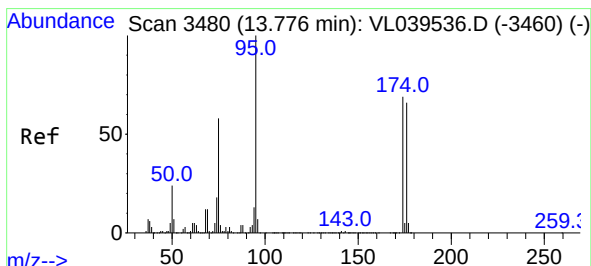
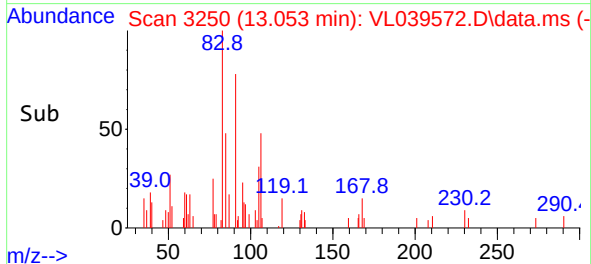
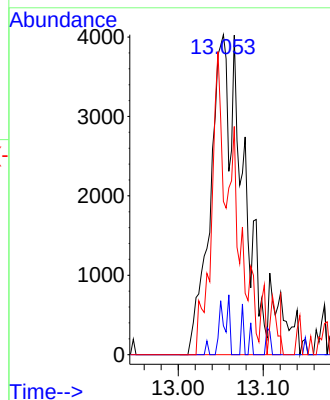
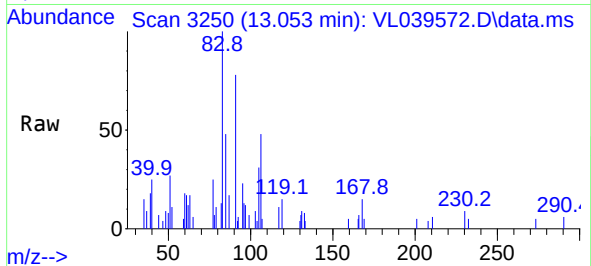




#63
1,1,2,2-Tetrachloroethane
Concen: 0.101 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. 0.001 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2022

Tgt Ion:	83	Resp:	11200
Ion	Ratio	Lower	Upper
83	100		
131	7.1	4.9	14.7
85	62.6	33.2	99.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.310 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.004 min
Lab File: VL039572.D
Acq: 18 Aug 2022 23:43

Tgt Ion:	95	Resp:	1708186
Ion	Ratio	Lower	Upper
95	100		
174	72.6	56.3	84.5
175	5.1	4.3	6.5

