

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039671.D
 Acq On : 22 Sep 2022 18:19
 Operator : SY/AP
 Sample : N4669-14DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG6DL

Quant Time: Sep 23 06:36:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

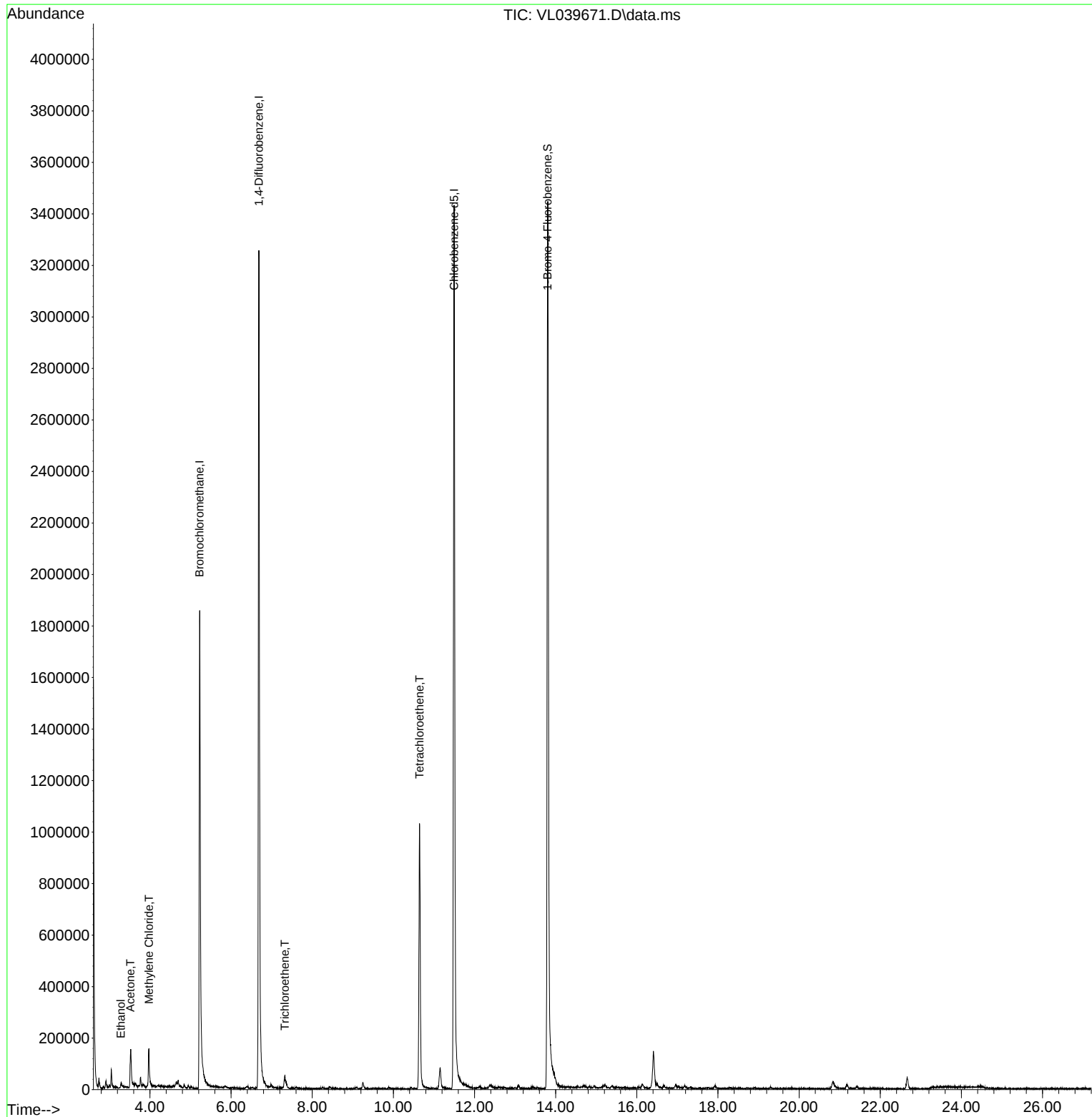
Internal Standards						
1) Bromochloromethane	5.224	49	991022	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2587406	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2319521	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1714967	9.904	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
13) Ethanol	3.285	45	18237	4.456	ppbv	82
15) Acetone	3.517	43	139663	1.266	ppbv	95
20) Methylene Chloride	3.973	84	50945	0.999	ppbv	91
38) Trichloroethene	7.327	130	15703	0.147	ppbv #	86
52) Tetrachloroethene	10.645	164	269940	3.577	ppbv	98

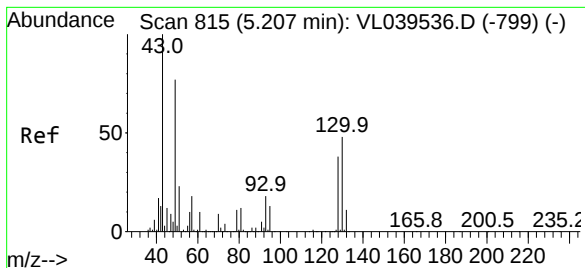
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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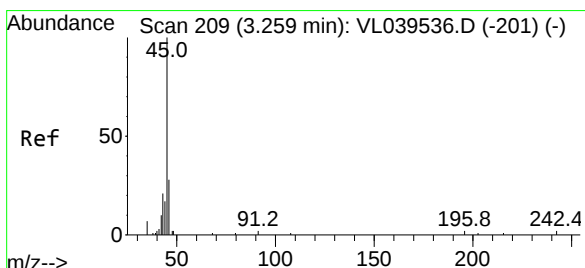
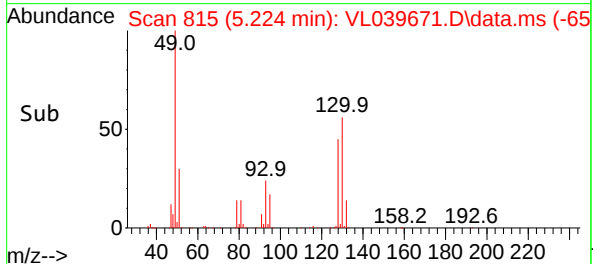
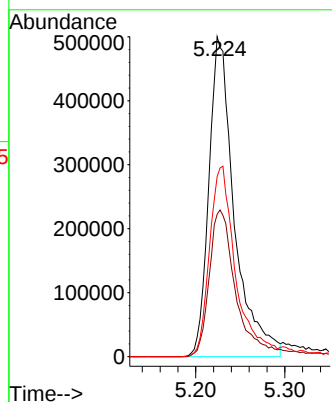
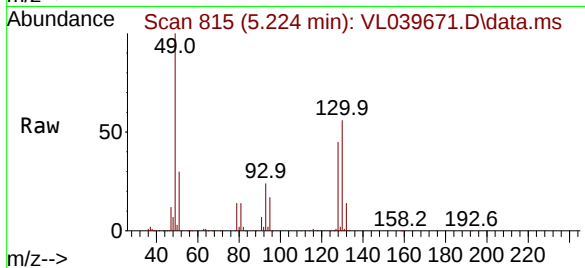




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.017 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

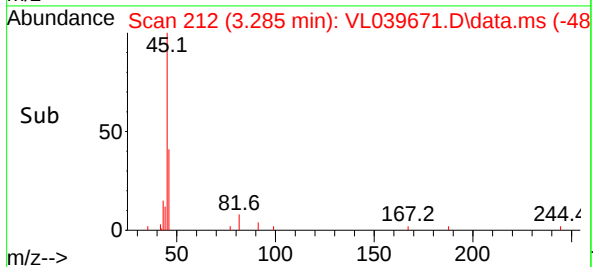
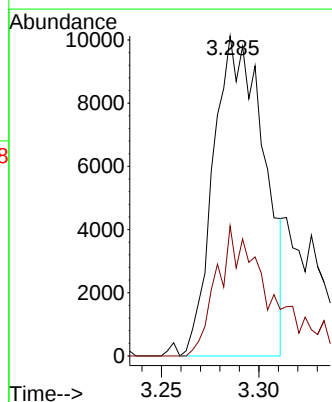
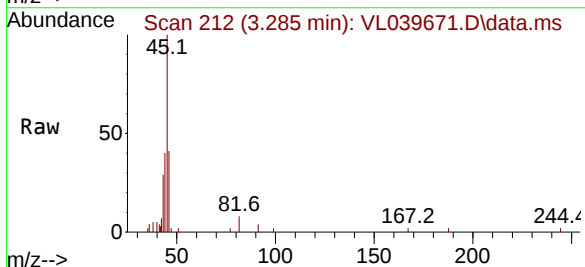
Instrument :
MSVOA_L
ClientSampleId :
C0PG6DL

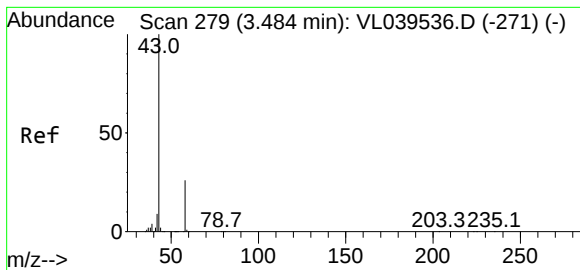
Tgt Ion: 49 Resp: 991022
Ion Ratio Lower Upper
49 100
128 50.0 26.7 80.0
130 63.9 34.3 102.8



#13
Ethanol
Concen: 4.456 ppbv
RT: 3.285 min Scan# 212
Delta R.T. 0.026 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

Tgt Ion: 45 Resp: 18237
Ion Ratio Lower Upper
45 100
46 43.4 22.8 91.2

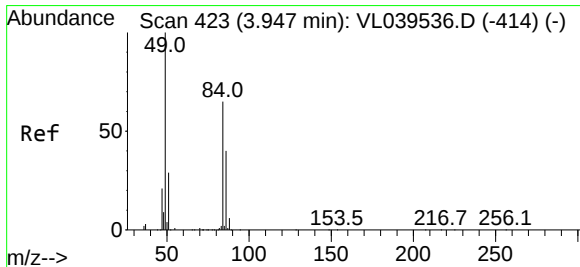
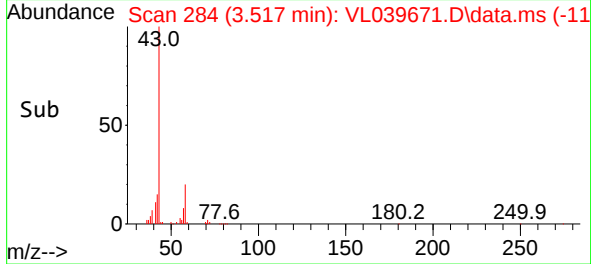
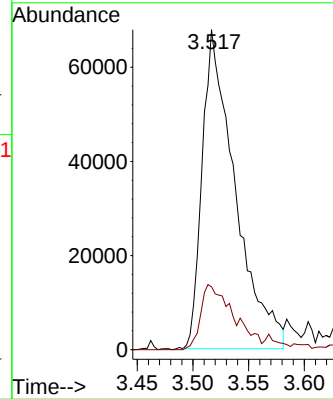
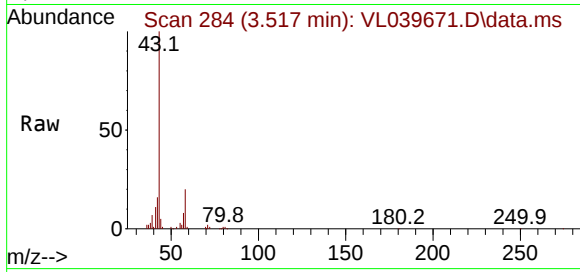




#15
Acetone
Concen: 1.266 ppbv
RT: 3.517 min Scan# 21
Delta R.T. 0.033 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

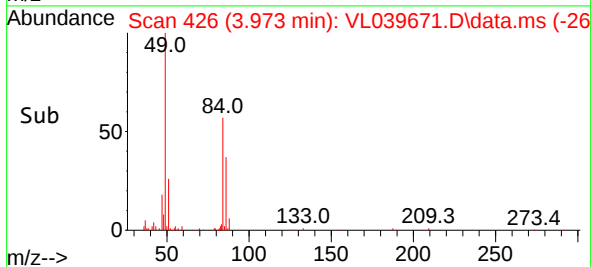
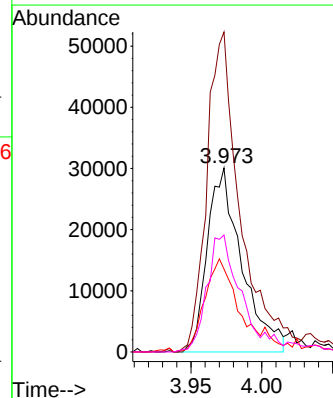
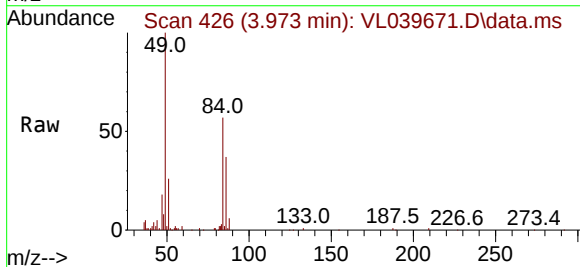
Instrument :
MSVOA_L
ClientSampleId :
C0PG6DL

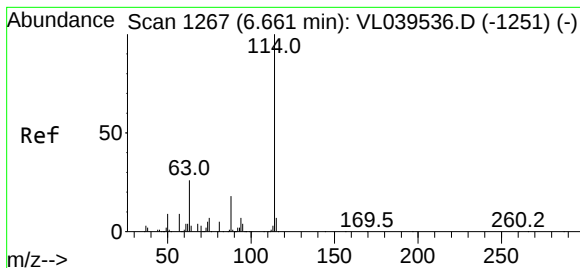
Tgt Ion: 43 Resp: 139663
Ion Ratio Lower Upper
43 100
58 23.7 21.0 31.6



#20
Methylene Chloride
Concen: 0.999 ppbv
RT: 3.973 min Scan# 426
Delta R.T. 0.026 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

Tgt Ion: 84 Resp: 50945
Ion Ratio Lower Upper
84 100
49 171.9 123.1 184.7
51 44.4 34.4 51.6
86 62.2 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 11

Delta R.T. 0.023 min

Lab File: VL039671.D

Acq: 22 Sep 2022 18:19

Instrument :

MSVOA_L

ClientSampleId :

C0PG6DL

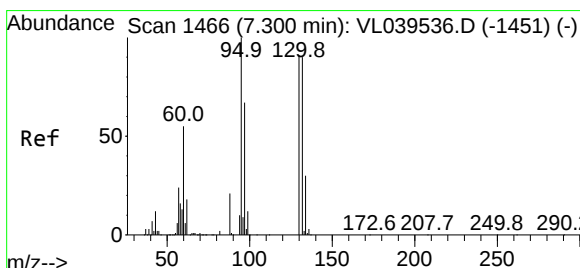
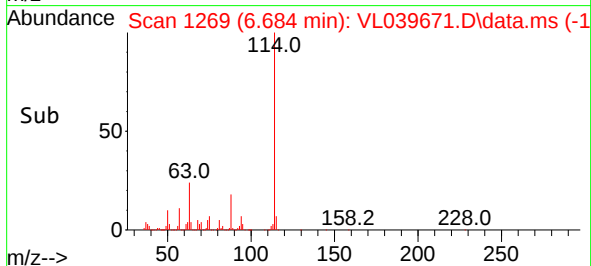
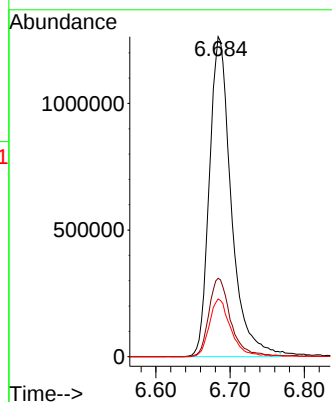
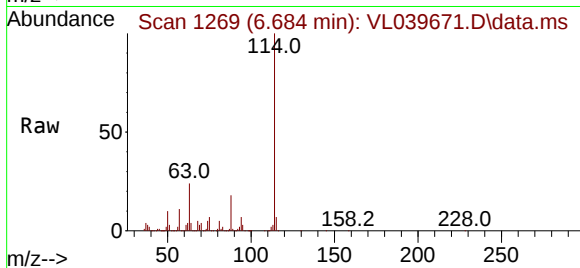
Tgt Ion:114 Resp: 2587406

Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

88 18.1 14.5 21.7



#38

Trichloroethene

Concen: 0.147 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.026 min

Lab File: VL039671.D

Acq: 22 Sep 2022 18:19

Tgt Ion:130 Resp: 15703

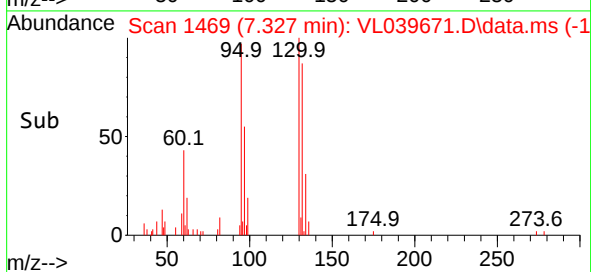
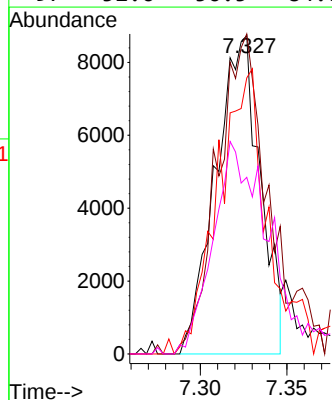
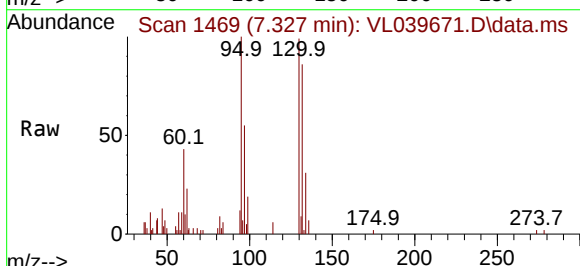
Ion Ratio Lower Upper

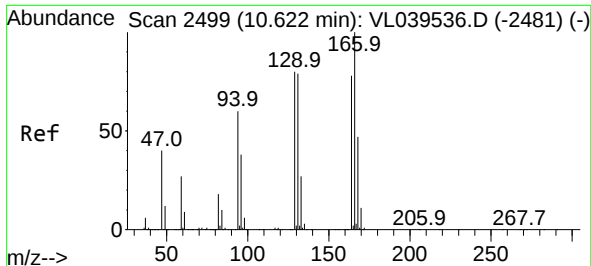
130 100

95 97.7 87.3 130.9

132 84.4 76.7 115.1

97 52.6 56.5 84.7#

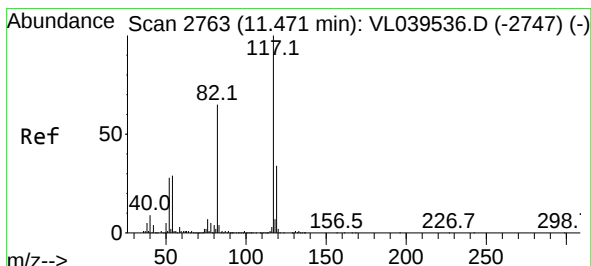
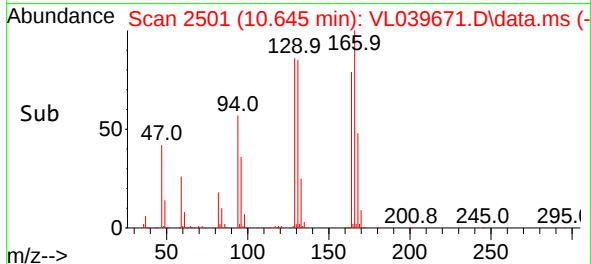
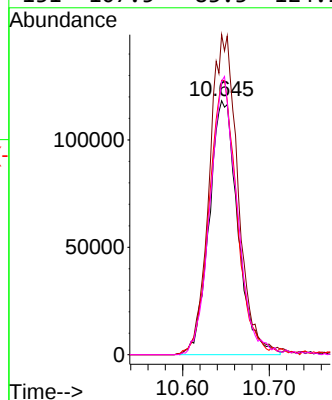
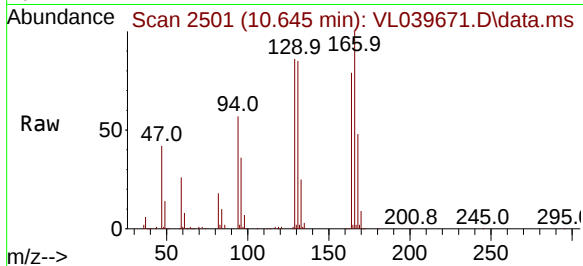




#52
Tetrachloroethene
Concen: 3.577 ppbv
RT: 10.645 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

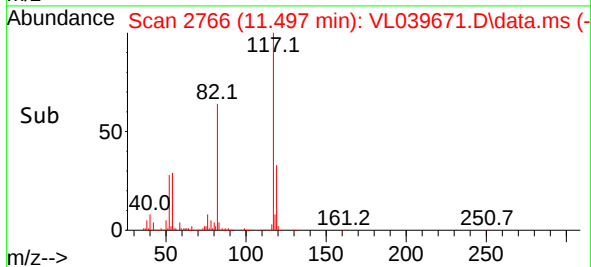
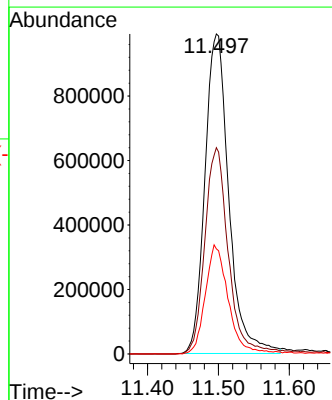
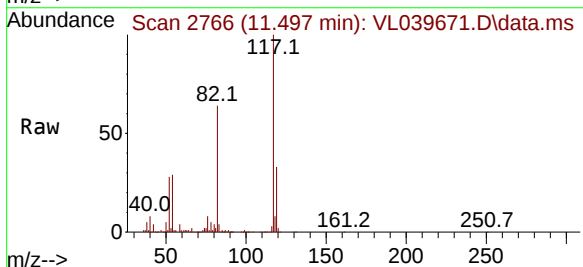
Instrument :
MSVOA_L
ClientSampleId :
C0PG6DL

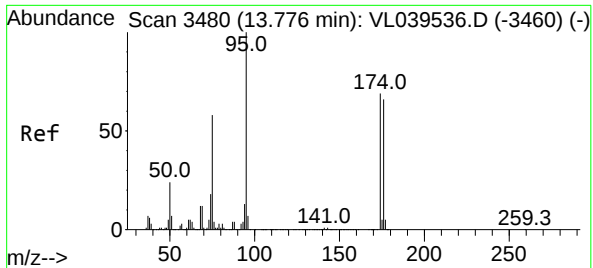
Tgt Ion:164 Resp: 269940
Ion Ratio Lower Upper
164 100
166 125.5 102.2 153.2
129 107.7 85.8 128.8
131 107.5 83.3 124.9



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.026 min
Lab File: VL039671.D
Acq: 22 Sep 2022 18:19

Tgt Ion:117 Resp: 2319521
Ion Ratio Lower Upper
117 100
82 65.2 50.8 76.2
119 33.4 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.904 ppbv
 RT: 13.802 min Scan# 34
 Delta R.T. 0.026 min
 Lab File: VL039671.D
 Acq: 22 Sep 2022 18:19

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG6DL

Tgt Ion: 95 Resp: 1714967

Ion	Ratio	Lower	Upper
95	100		
174	73.2	55.9	83.9
175	5.1	4.2	6.4

