

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039660.D
 Acq On : 22 Sep 2022 7:31
 Operator : SY/AP
 Sample : N4669-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG2DL

Quant Time: Sep 22 08:29:03 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)

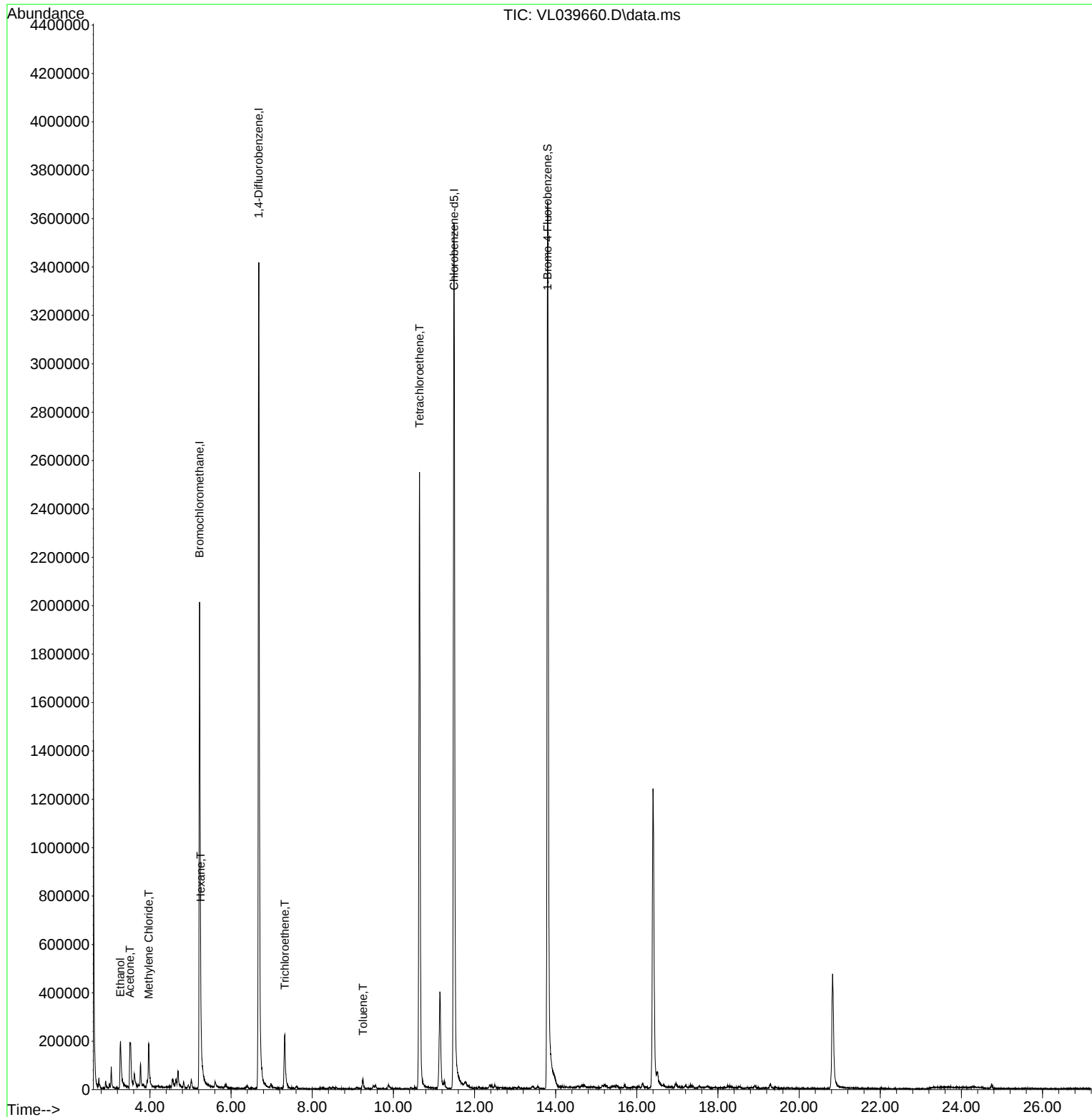
Internal Standards						
1) Bromochloromethane	5.224	49	1033685	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.681	114	2672498	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.494	117	2443371	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1805008	9.896	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
13) Ethanol	3.276	45	241399	56.550	ppbv	75
15) Acetone	3.507	43	230887	2.007	ppbv	97
20) Methylene Chloride	3.970	84	60966	1.146	ppbv	97
26) Hexane	5.250	57	36052	0.339	ppbv #	53
38) Trichloroethene	7.324	130	71742	0.650	ppbv	96
52) Tetrachloroethene	10.645	164	656863	8.427	ppbv	96
53) Toluene	9.250	91	23694	0.104	ppbv	95

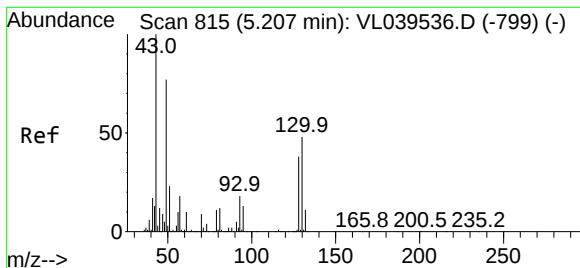
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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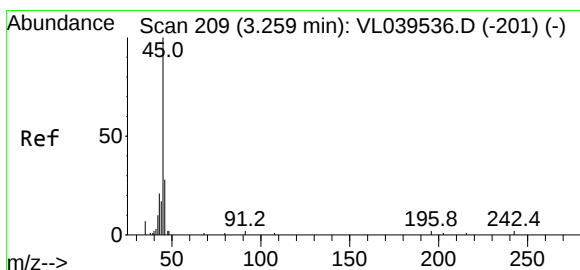
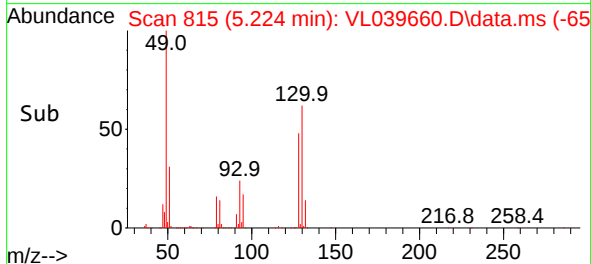
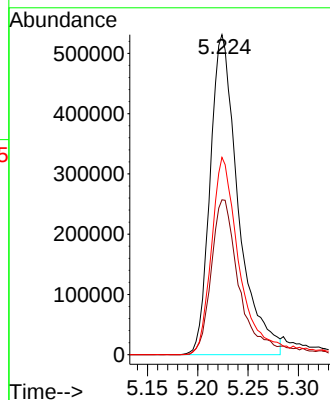
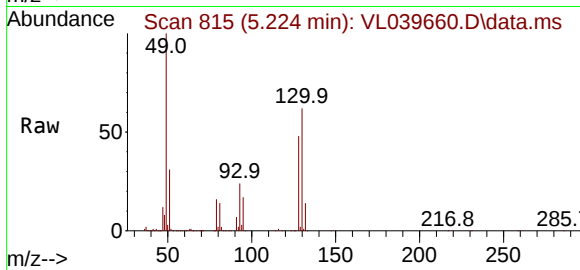




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.017 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

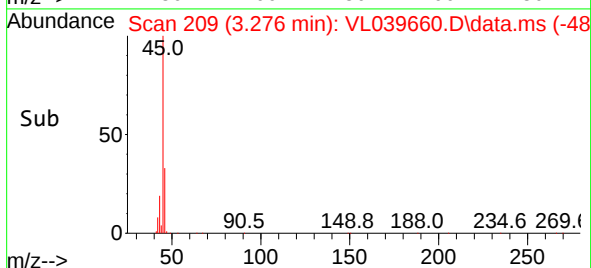
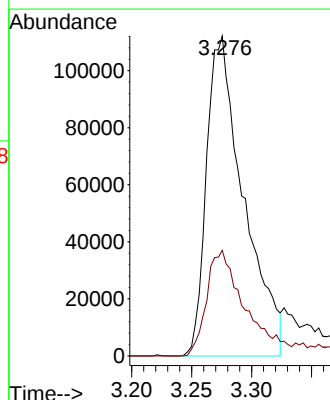
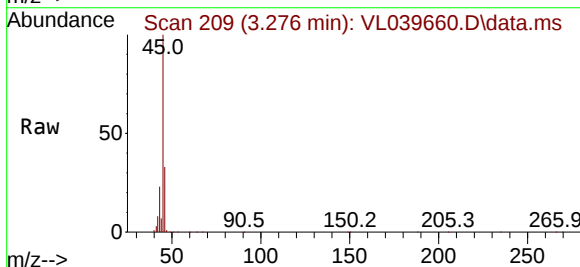
Instrument :
MSVOA_L
ClientSampleId :
C0PG2DL

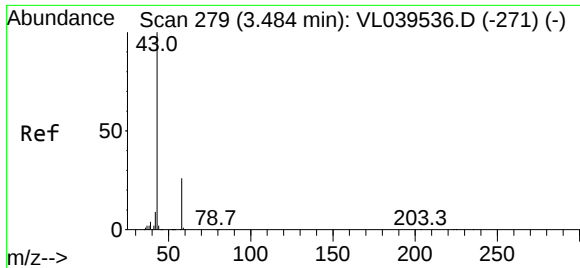
Tgt Ion: 49 Resp: 1033685
Ion Ratio Lower Upper
49 100
128 51.7 26.7 80.0
130 64.7 34.3 102.8



#13
Ethanol
Concen: 56.550 ppbv
RT: 3.276 min Scan# 209
Delta R.T. 0.017 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

Tgt Ion: 45 Resp: 241399
Ion Ratio Lower Upper
45 100
46 38.5 22.8 91.2

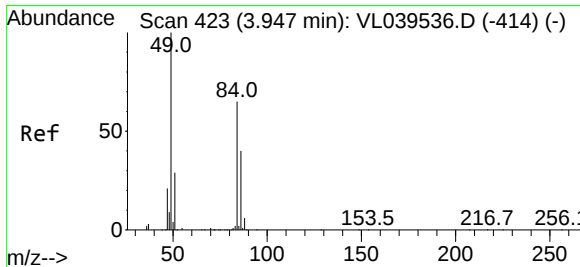
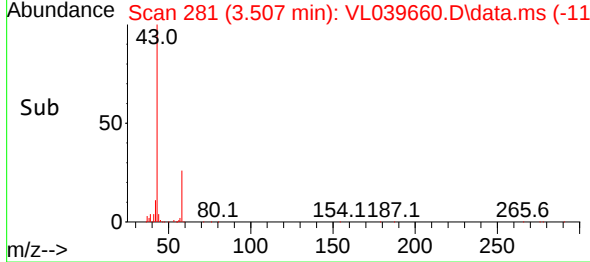
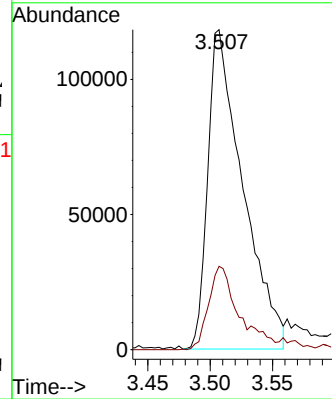
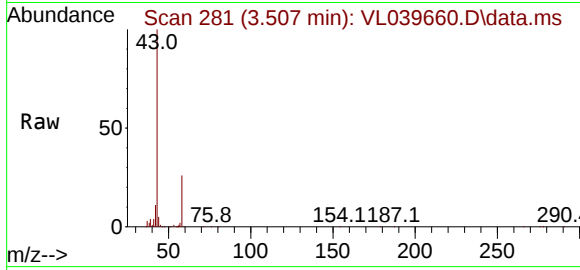




#15
Acetone
Concen: 2.007 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

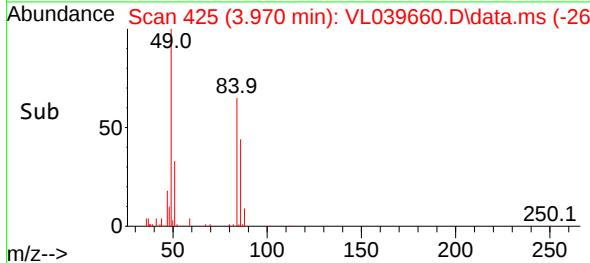
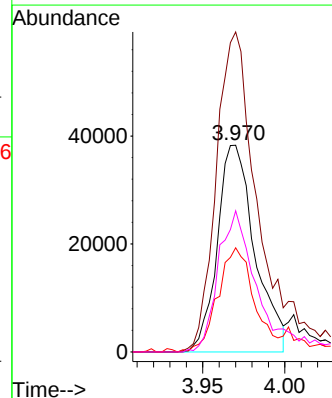
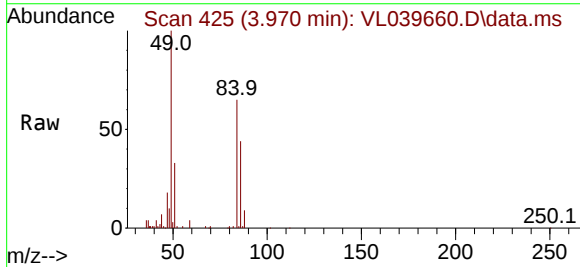
Instrument :
MSVOA_L
ClientSampleId :
C0PG2DL

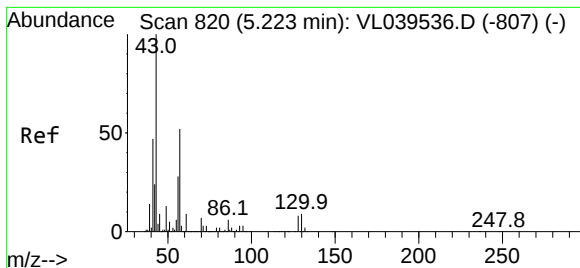
Tgt Ion: 43 Resp: 230887
Ion Ratio Lower Upper
43 100
58 24.5 21.0 31.6



#20
Methylene Chloride
Concen: 1.146 ppbv
RT: 3.970 min Scan# 425
Delta R.T. 0.023 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

Tgt Ion: 84 Resp: 60966
Ion Ratio Lower Upper
84 100
49 154.1 123.1 184.7
51 49.2 34.4 51.6
86 68.2 51.1 76.7

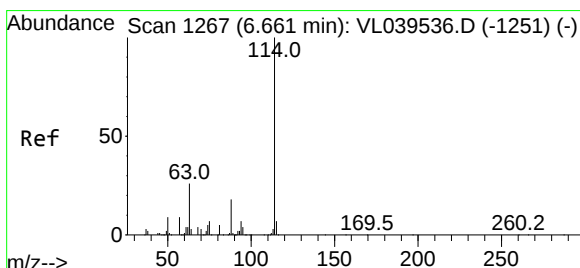
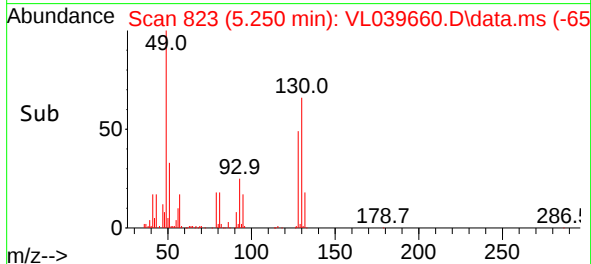
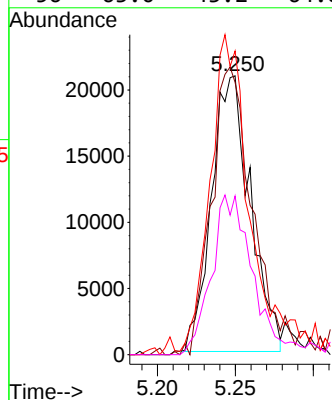
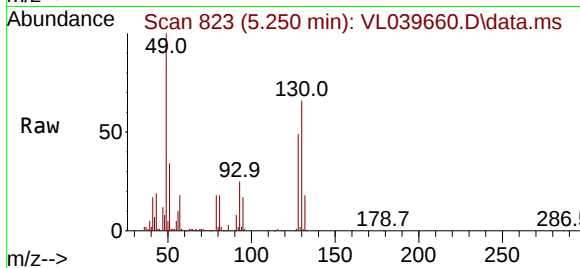




#26
Hexane
Concen: 0.339 ppbv
RT: 5.250 min Scan# 81
Delta R.T. 0.026 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

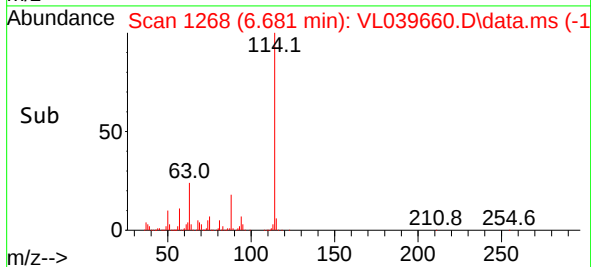
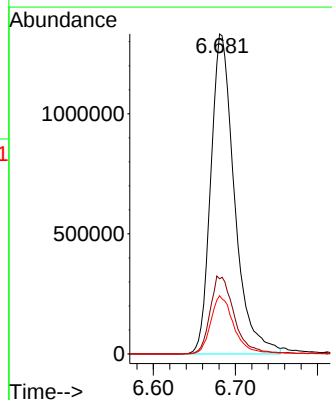
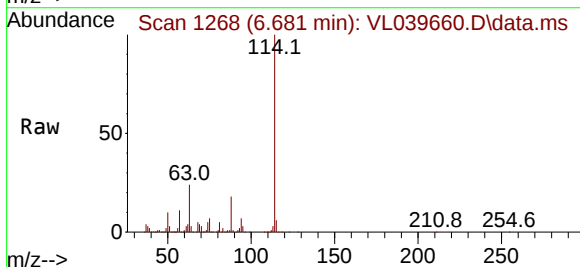
Instrument :
MSVOA_L
ClientSampleId :
C0PG2DL

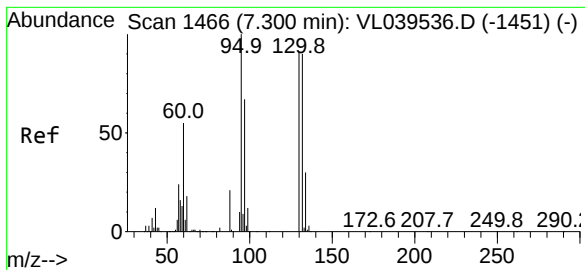
Tgt Ion: 57 Resp: 36052
Ion Ratio Lower Upper
57 100
41 114.3 76.9 115.3
43 125.5 191.0 286.6#
56 63.0 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.681 min Scan# 1268
Delta R.T. 0.020 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

Tgt Ion: 114 Resp: 2672498
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.1 14.5 21.7

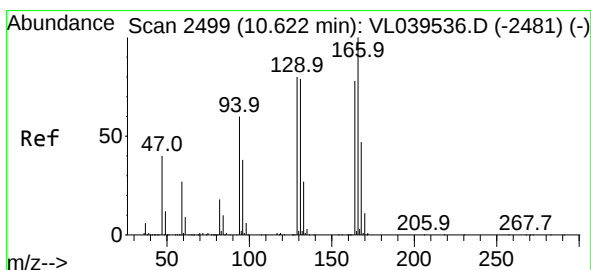
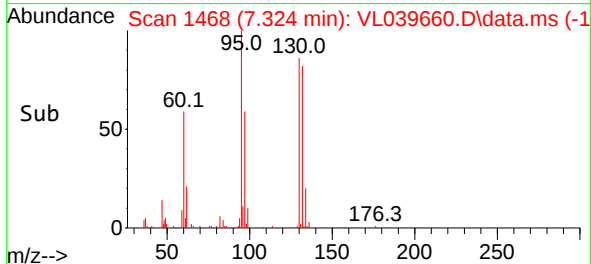
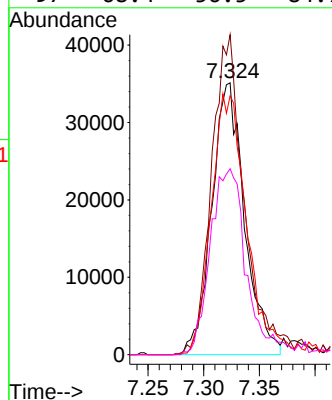
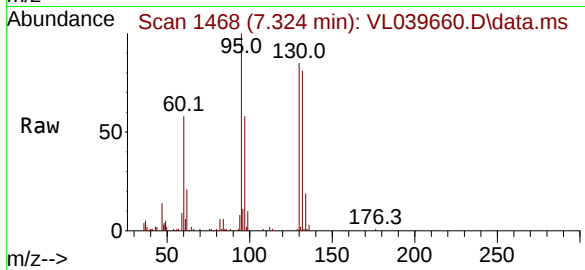




#38
 Trichloroethene
 Concen: 0.650 ppbv
 RT: 7.324 min Scan# 1466
 Delta R.T. 0.023 min
 Lab File: VL039660.D
 Acq: 22 Sep 2022 7:31

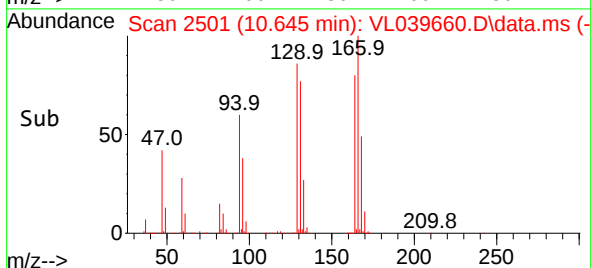
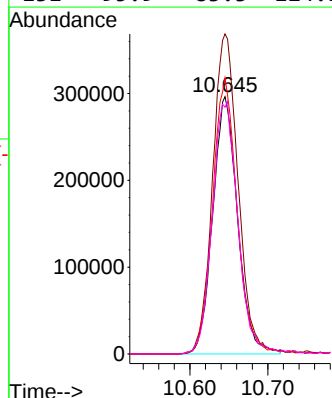
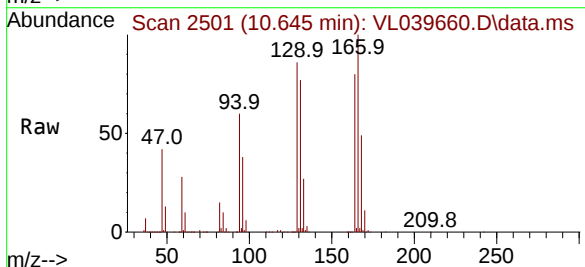
Instrument :
 MSVOA_L
 ClientSampleId :
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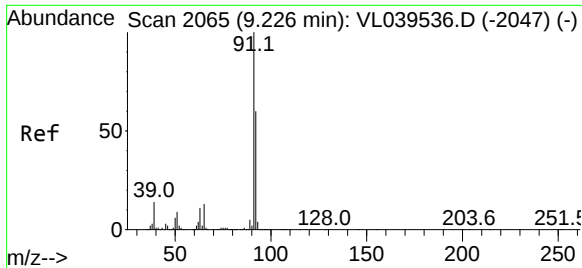
Tgt Ion:130	Resp:	71742
Ion Ratio	Lower	Upper
130	100	
95	117.2	87.3 130.9
132	95.3	76.7 115.1
97	68.4	56.5 84.7



#52
 Tetrachloroethene
 Concen: 8.427 ppbv
 RT: 10.645 min Scan# 2501
 Delta R.T. 0.023 min
 Lab File: VL039660.D
 Acq: 22 Sep 2022 7:31

Tgt Ion:164	Resp:	656863
Ion Ratio	Lower	Upper
164	100	
166	124.3	102.2 153.2
129	107.3	85.8 128.8
131	95.9	83.3 124.9

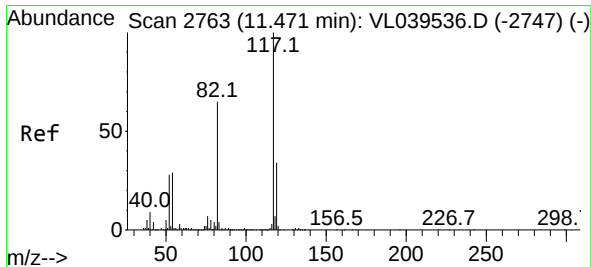
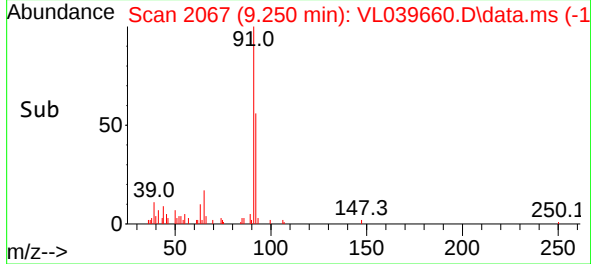
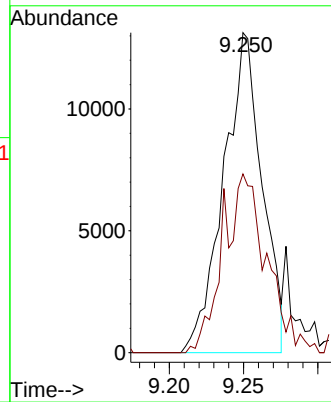
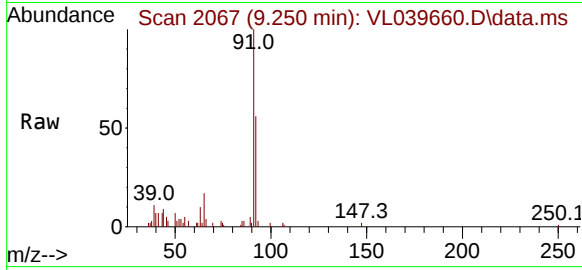




#53
Toluene
Concen: 0.104 ppbv
RT: 9.250 min Scan# 2065
Delta R.T. 0.023 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

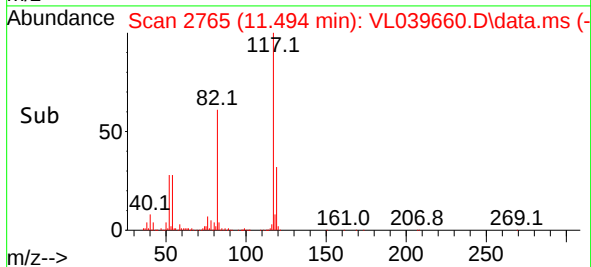
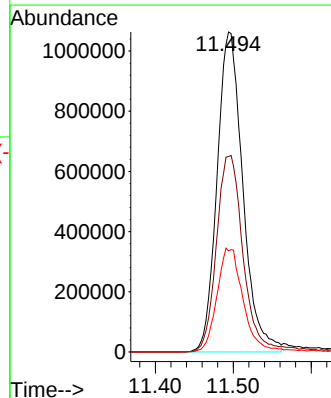
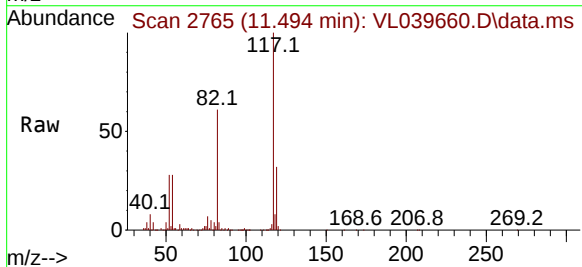
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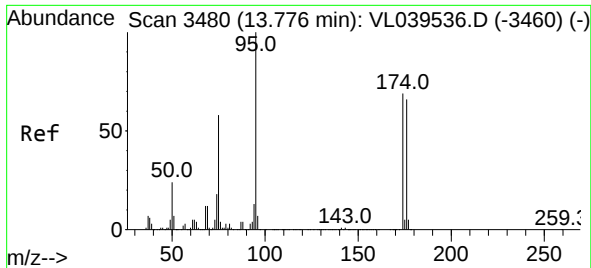
Tgt Ion: 91 Resp: 23694
Ion Ratio Lower Upper
91 100
92 64.0 48.2 72.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. 0.023 min
Lab File: VL039660.D
Acq: 22 Sep 2022 7:31

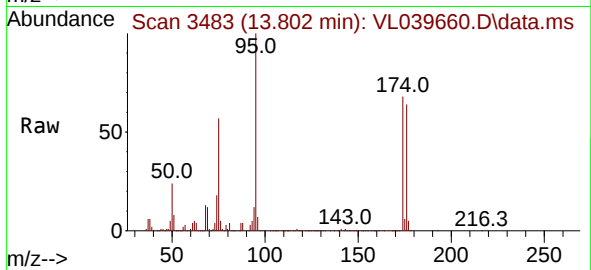
Tgt Ion: 117 Resp: 2443371
Ion Ratio Lower Upper
117 100
82 65.0 50.8 76.2
119 33.4 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.896 ppbv
 RT: 13.802 min Scan# 34
 Delta R.T. 0.026 min
 Lab File: VL039660.D
 Acq: 22 Sep 2022 7:31

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG2DL



Tgt Ion: 95 Resp: 1805008

Ion	Ratio	Lower	Upper
95	100		
174	70.9	55.9	83.9
175	5.4	4.2	6.4

