

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039677.D
 Acq On : 23 Sep 2022 8:29
 Operator : SY/AP
 Sample : N4669-13DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5DL

Quant Time: Sep 30 08:01:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

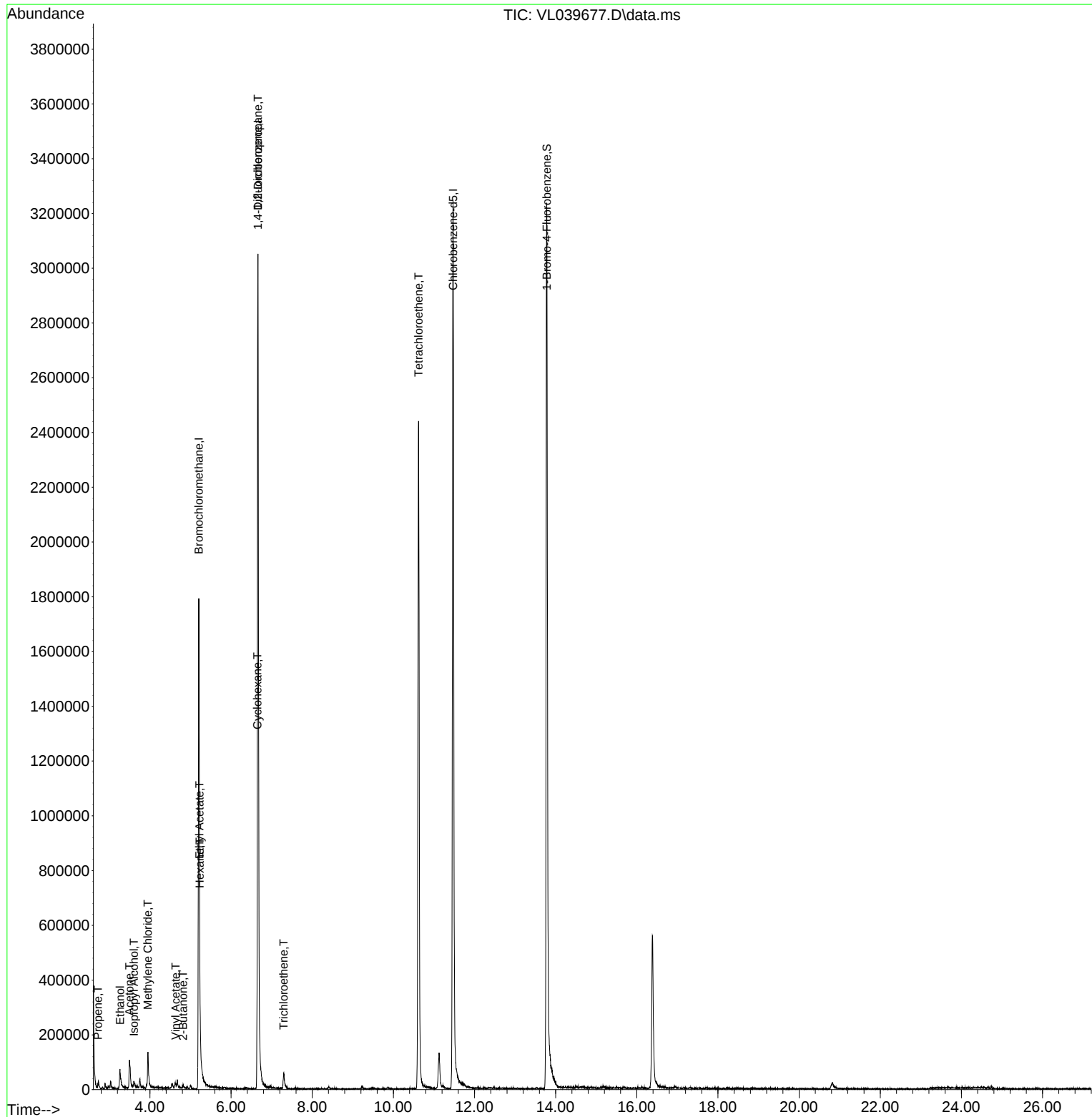
Internal Standards						
1) Bromochloromethane	5.205	49	908518	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2359271	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2183780	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1584866	9.722	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
9) Propene	2.719	41	1980	0.040	ppbv #	15
13) Ethanol	3.263	45	58085	15.482	ppbv	99
15) Acetone	3.494	43	111687	1.105	ppbv	100
19) Isopropyl Alcohol	3.603	45	7642	0.148	ppbv #	2
20) Methylene Chloride	3.947	84	42124	0.901	ppbv	94
23) Vinyl Acetate	4.636	43	3247	0.071	ppbv #	37
25) Ethyl Acetate	5.224	43	11908	0.054	ppbv #	81
26) Hexane	5.227	57	17344	0.185	ppbv #	40
30) Cyclohexane	6.645	84	2934	0.041	ppbv #	6
34) 2-Butanone	4.816	43	6300	0.054	ppbv #	53
38) Trichloroethene	7.298	130	11015	0.113	ppbv #	71
39) 1,2-Dichloropropane	6.661	63	593670	8.524	ppbv #	25
52) Tetrachloroethene	10.622	164	616452	8.958	ppbv	97

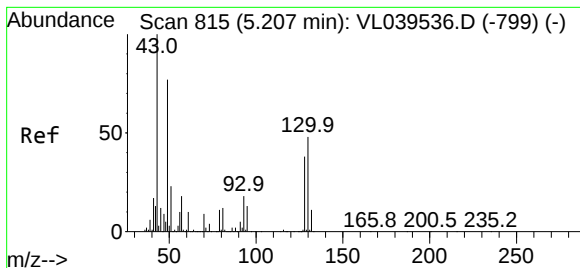
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
C0PG5DL

Quant Time: Sep 30 08:01:06 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

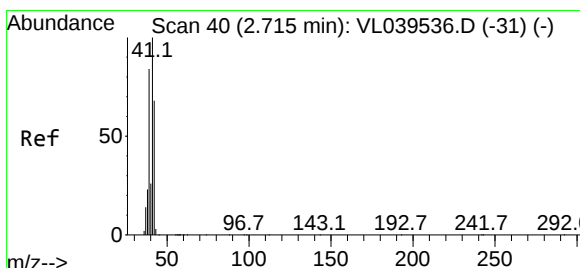
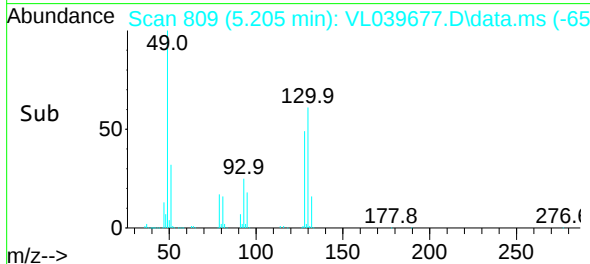
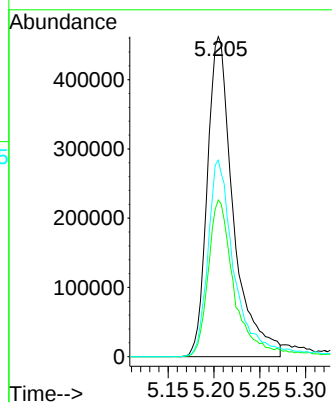
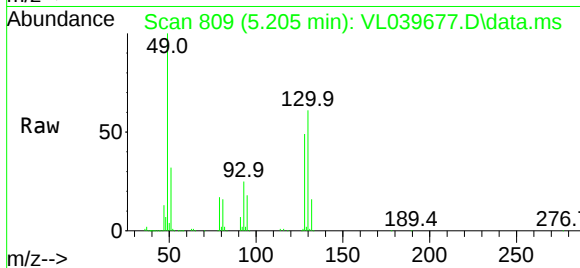




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.002 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

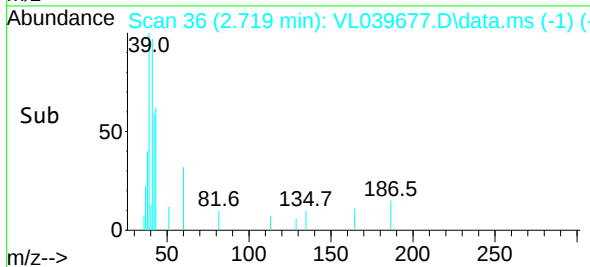
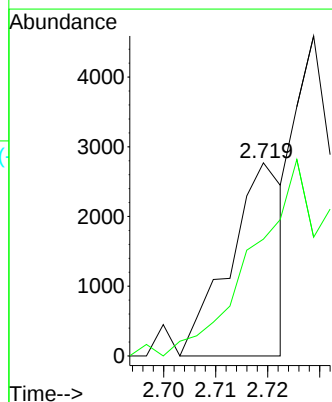
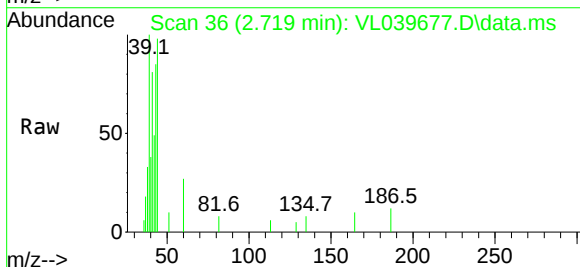
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL

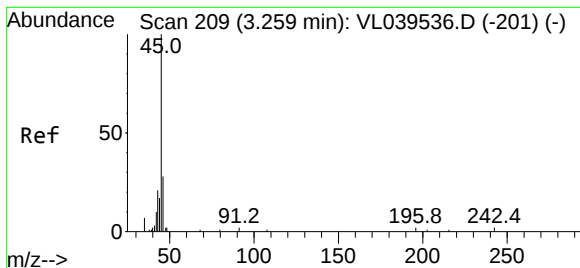
Tgt Ion: 49 Resp: 908518
Ion Ratio Lower Upper
49 100
128 50.5 26.7 80.0
130 64.6 34.3 102.8



#9
Propene
Concen: 0.040 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.004 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

Tgt Ion: 41 Resp: 1980
Ion Ratio Lower Upper
41 100
42 0.0 55.2 82.8#

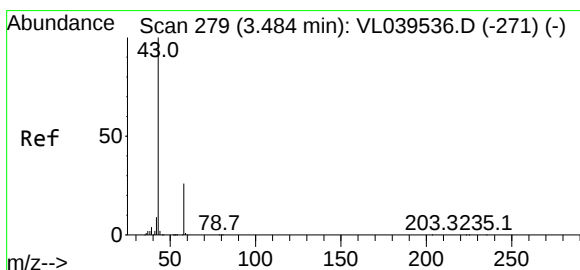
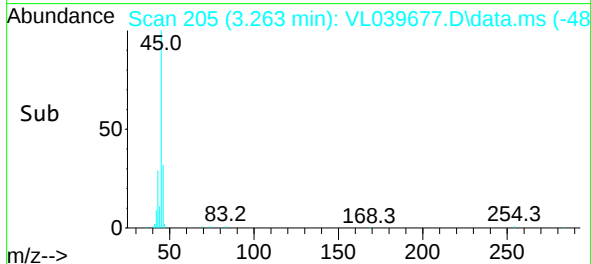
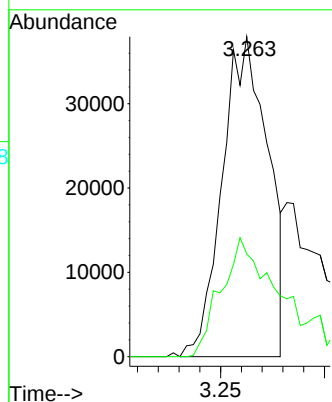
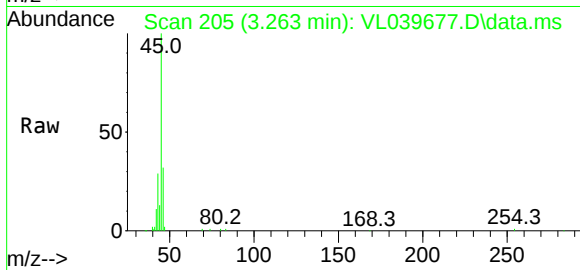




#13
Ethanol
Concen: 15.482 ppbv
RT: 3.263 min Scan# 209
Delta R.T. 0.004 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

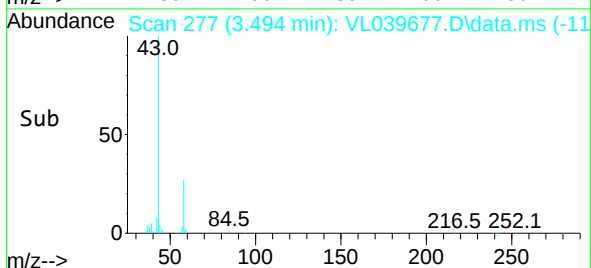
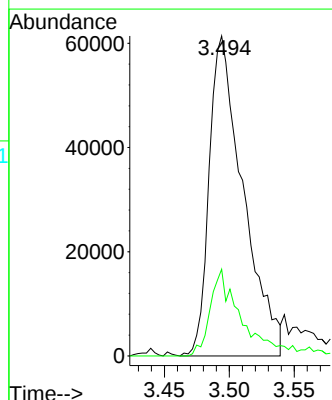
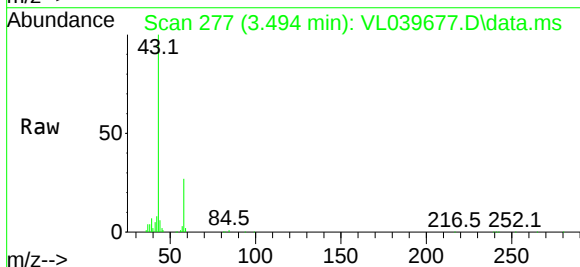
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL

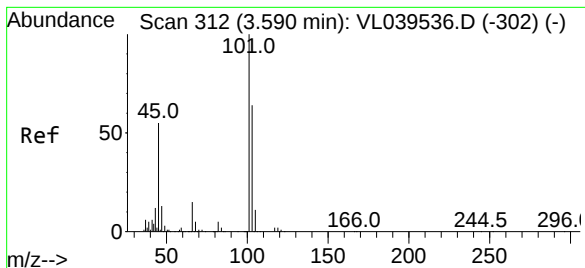
Tgt Ion: 45 Resp: 58085
Ion Ratio Lower Upper
45 100
46 57.6 22.8 91.2



#15
Acetone
Concen: 1.105 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.010 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

Tgt Ion: 43 Resp: 111687
Ion Ratio Lower Upper
43 100
58 26.3 21.0 31.6

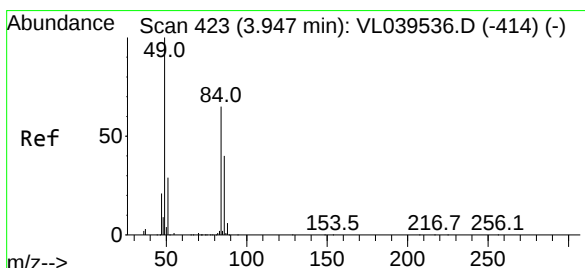
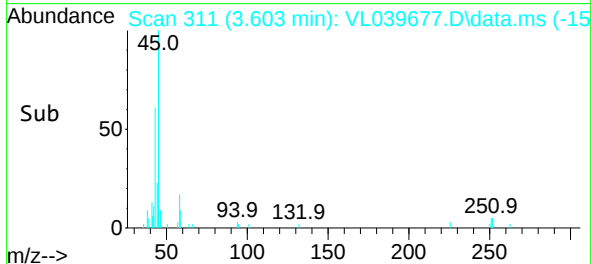
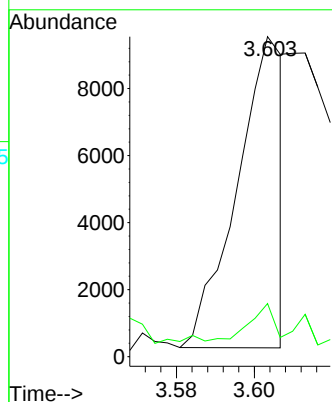
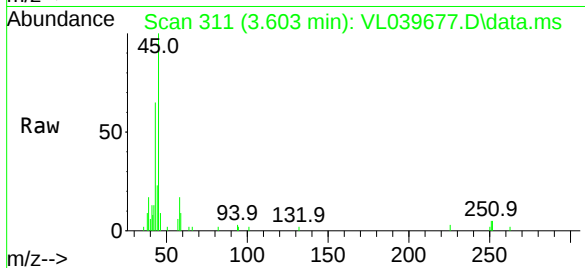




#19
Isopropyl Alcohol
Concen: 0.148 ppbv
RT: 3.603 min Scan# 312
Delta R.T. 0.014 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

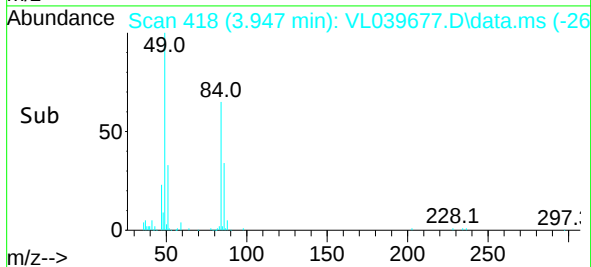
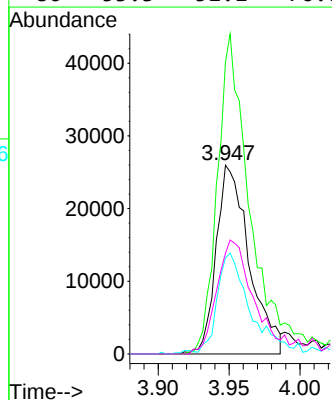
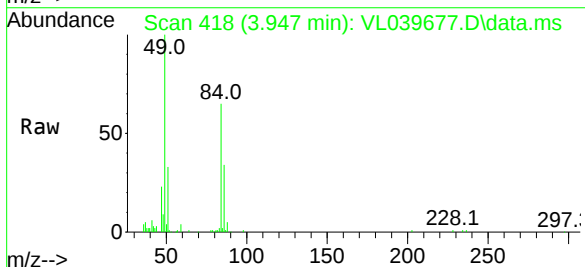
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL

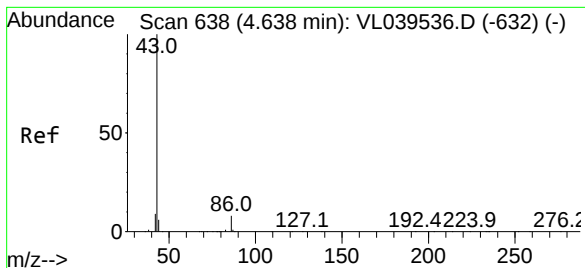
Tgt Ion: 45 Resp: 7642
Ion Ratio Lower Upper
45 100
58 36.2 3.2 4.8#



#20
Methylene Chloride
Concen: 0.901 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.001 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

Tgt Ion: 84 Resp: 42124
Ion Ratio Lower Upper
84 100
49 154.7 123.1 184.7
51 51.0 34.4 51.6
86 53.3 51.1 76.7



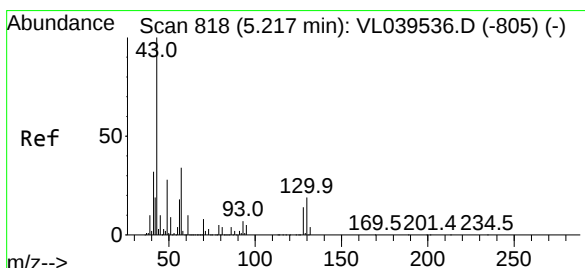
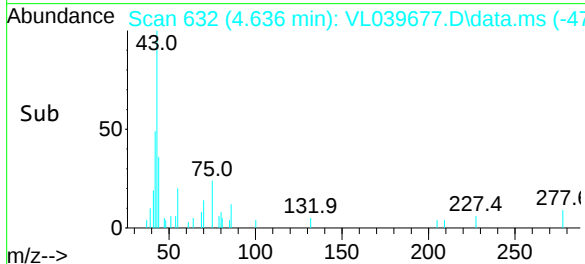
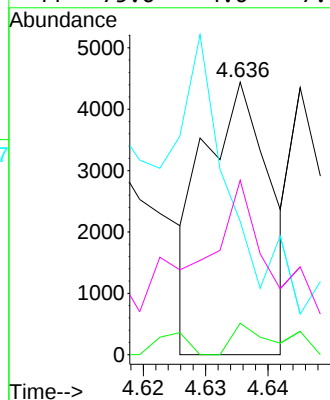
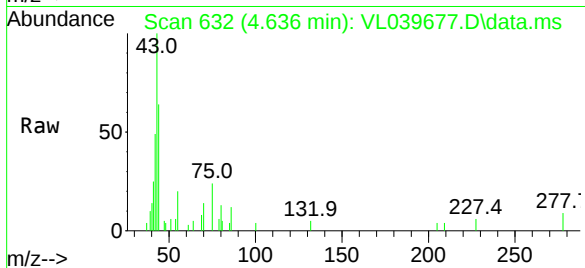


#23
 Vinyl Acetate
 Concen: 0.071 ppbv
 RT: 4.636 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL039677.D
 Acq: 23 Sep 2022 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5DL

Tgt Ion: 43 Resp: 3247

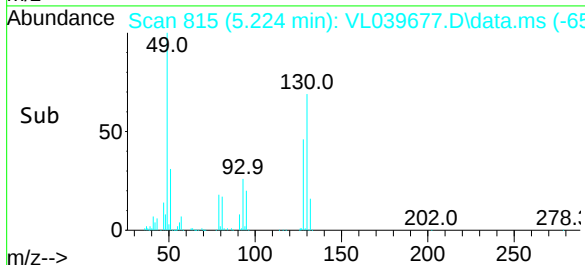
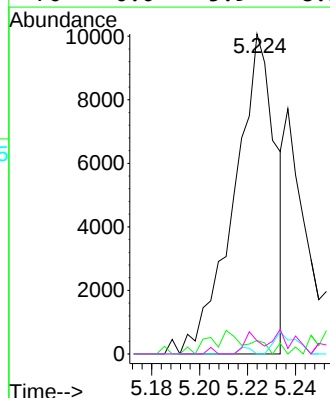
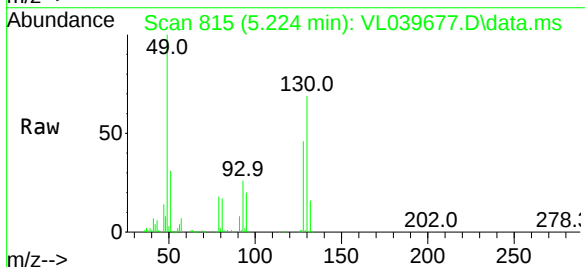
Ion	Ratio	Lower	Upper
43	100		
86	14.0	5.0	7.6#
42	10.0	7.7	11.5
44	75.6	4.6	7.0#

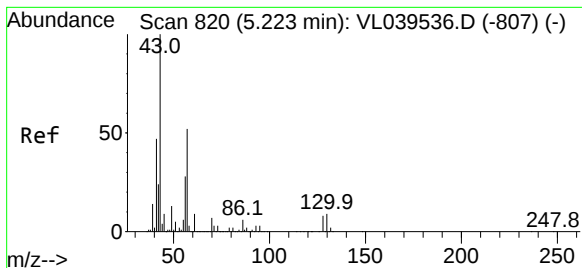


#25
 Ethyl Acetate
 Concen: 0.054 ppbv
 RT: 5.224 min Scan# 815
 Delta R.T. 0.007 min
 Lab File: VL039677.D
 Acq: 23 Sep 2022 8:29

Tgt Ion: 43 Resp: 11908

Ion	Ratio	Lower	Upper
43	100		
45	7.2	8.2	12.4#
61	0.0	8.3	12.5#
70	0.0	5.9	8.9#

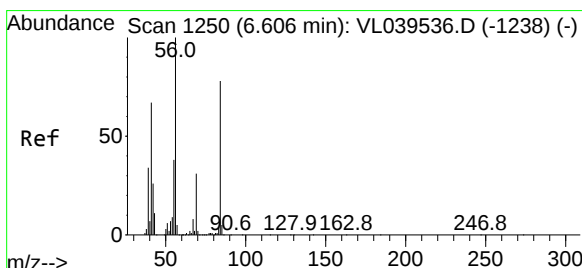
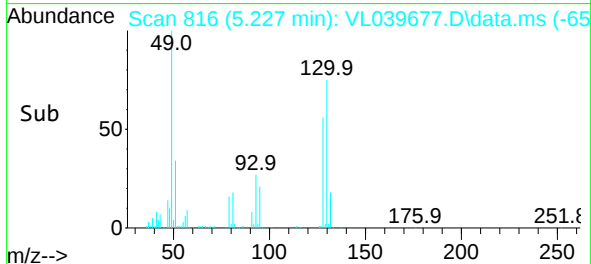
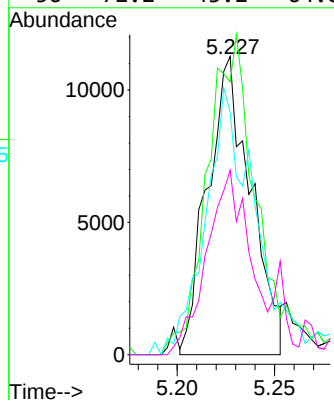
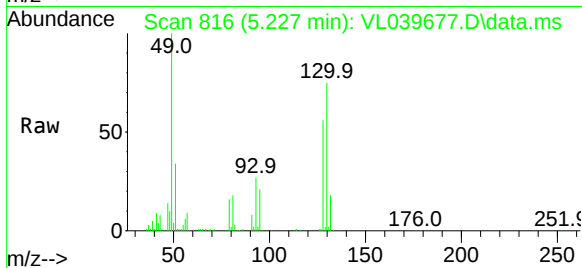




#26
Hexane
Concen: 0.185 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

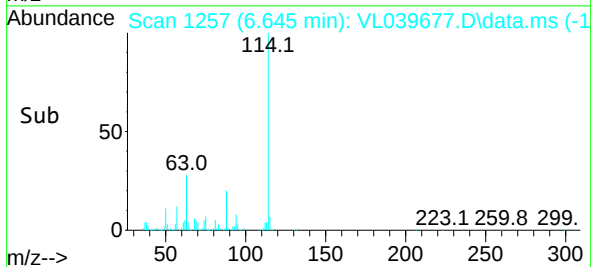
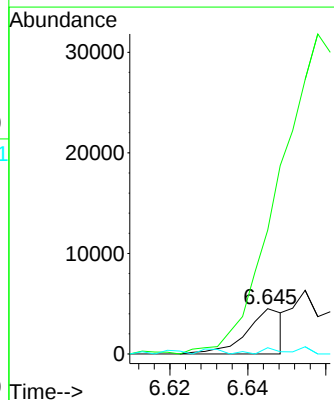
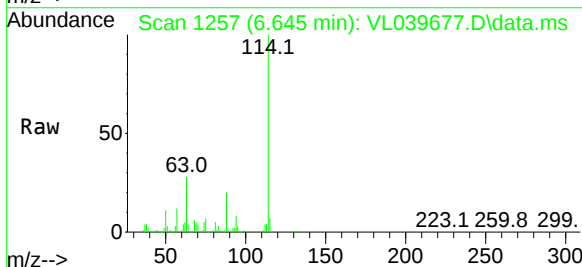
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL

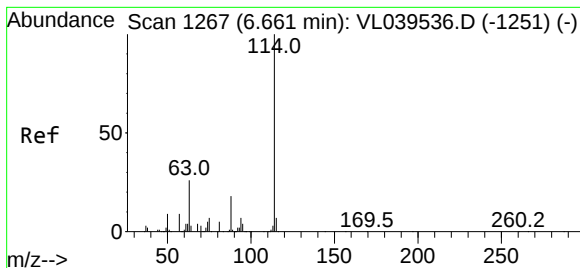
Tgt Ion: 57 Resp: 17344
Ion Ratio Lower Upper
57 100
41 128.9 76.9 115.3#
43 106.9 191.0 286.6#
56 72.2 43.2 64.8#



#30
Cyclohexane
Concen: 0.041 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. 0.039 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

Tgt Ion: 84 Resp: 2934
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 26.6 67.7 101.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 114

Delta R.T. 0.004 min

Lab File: VL039677.D

Acq: 23 Sep 2022 8:29

Instrument :

MSVOA_L

ClientSampleId :

C0PG5DL

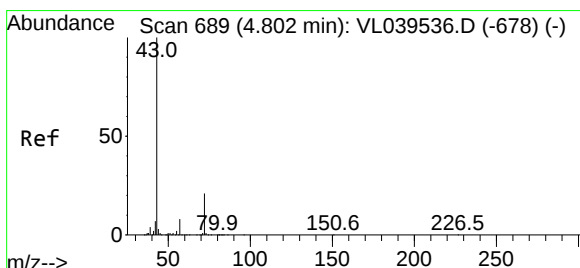
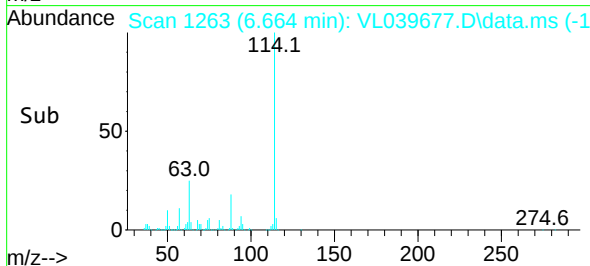
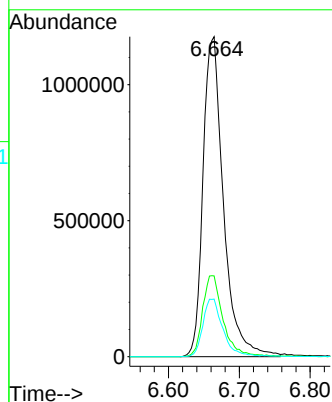
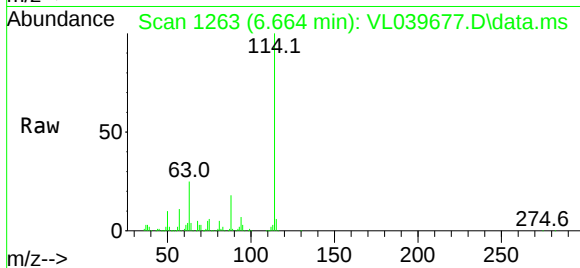
Tgt Ion:114 Resp: 2359271

Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.4

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 0.054 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.013 min

Lab File: VL039677.D

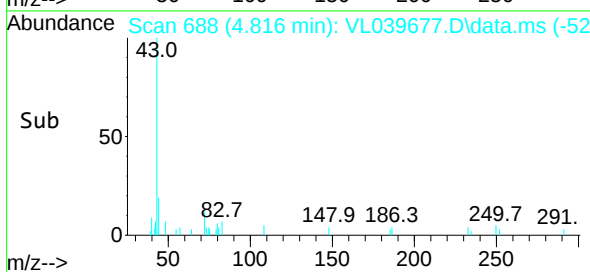
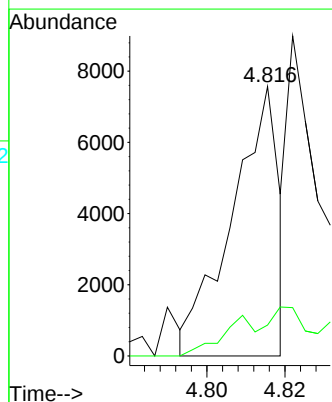
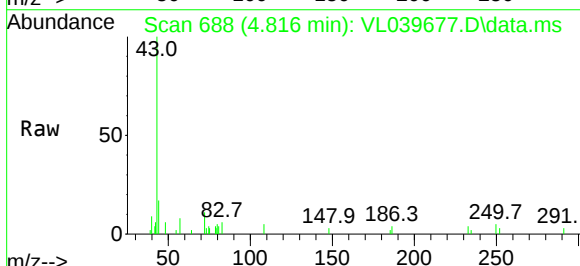
Acq: 23 Sep 2022 8:29

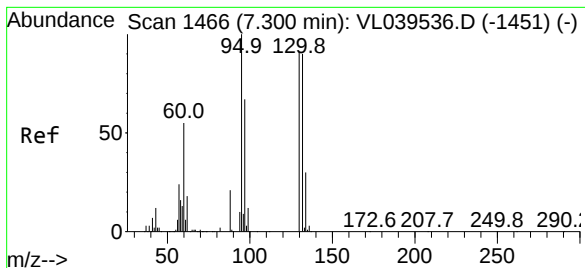
Tgt Ion: 43 Resp: 6300

Ion Ratio Lower Upper

43 100

72 0.0 17.9 26.9#





#38

Trichloroethene

Concen: 0.113 ppbv

RT: 7.298 min Scan# 1466

Delta R.T. -0.003 min

Lab File: VL039677.D

Acq: 23 Sep 2022 8:29

Instrument :

MSVOA_L

ClientSampleId :

C0PG5DL

Tgt Ion:130 Resp: 11015

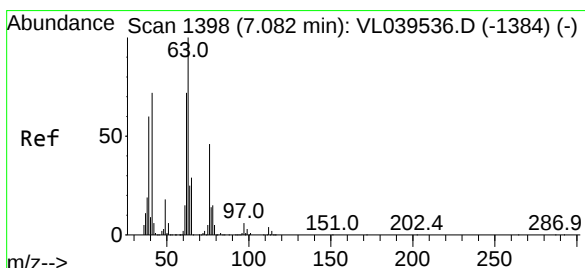
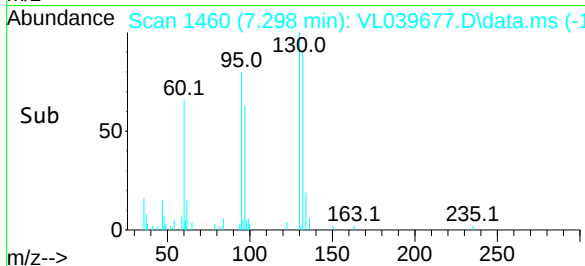
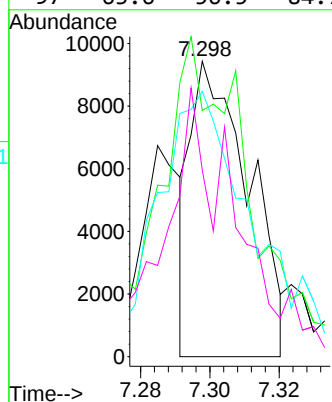
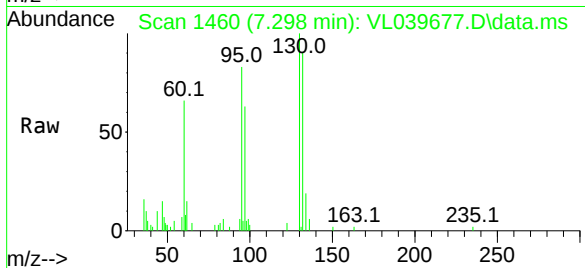
Ion Ratio Lower Upper

130 100

95 64.3 87.3 130.9#

132 68.5 76.7 115.1#

97 63.6 56.5 84.7



#39

1,2-Dichloropropane

Concen: 8.524 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.421 min

Lab File: VL039677.D

Acq: 23 Sep 2022 8:29

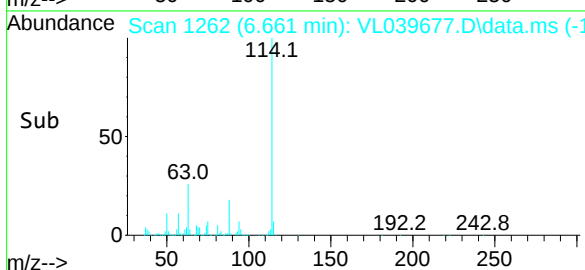
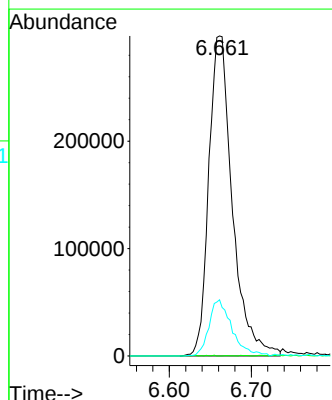
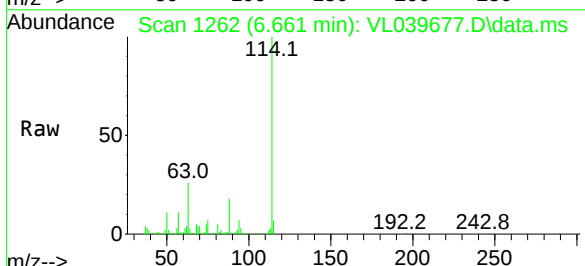
Tgt Ion: 63 Resp: 593670

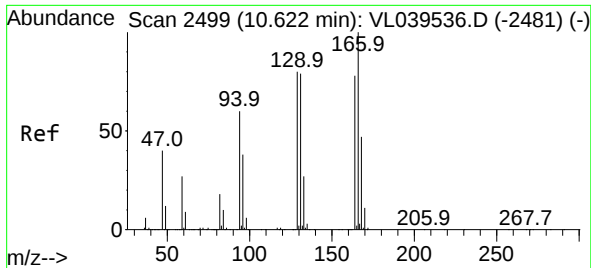
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.5 51.4 77.0#

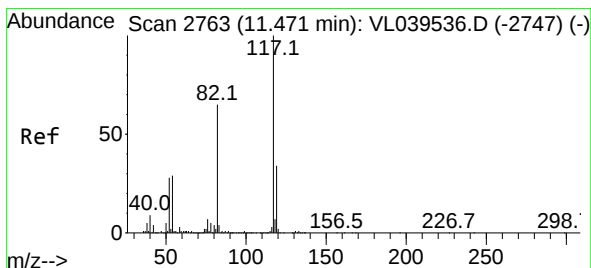
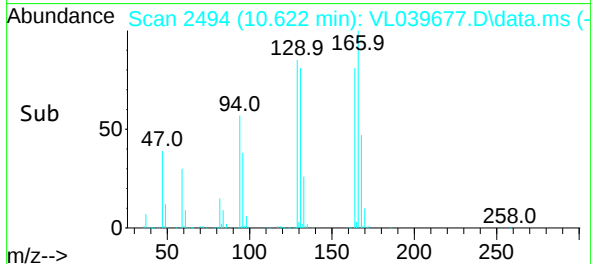
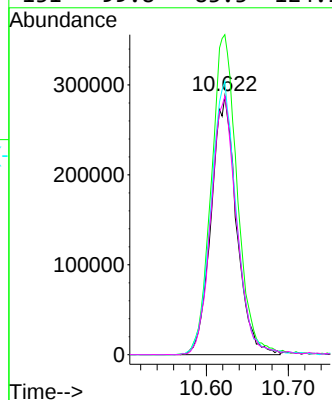
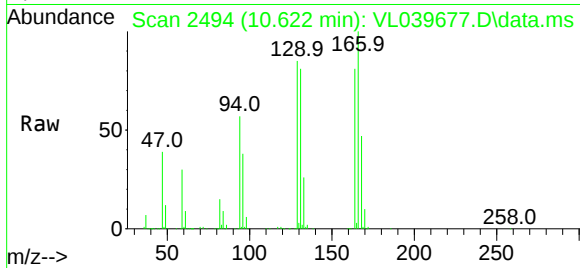




#52
Tetrachloroethene
Concen: 8.958 ppbv
RT: 10.622 min Scan# 2499
Delta R.T. 0.001 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

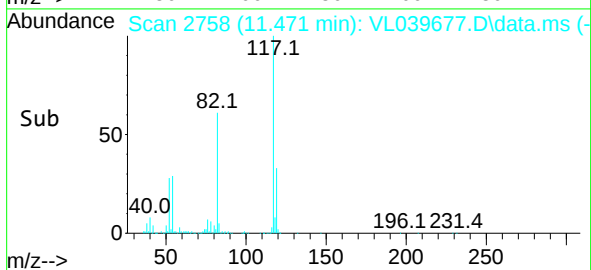
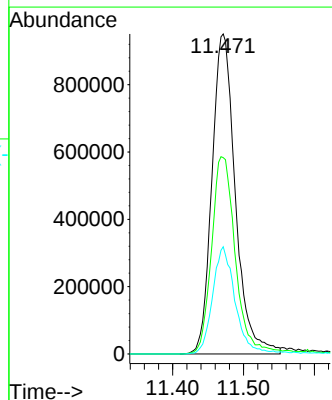
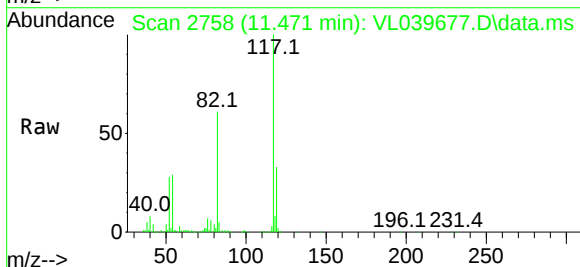
Instrument :
MSVOA_L
ClientSampleId :
C0PG5DL

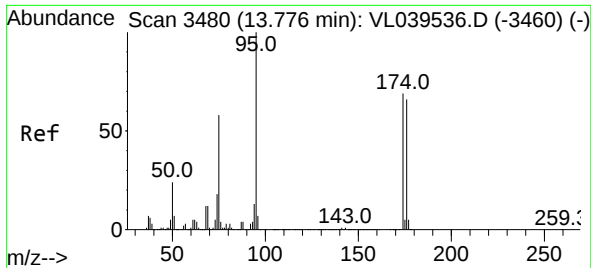
Tgt Ion:164 Resp: 616452
Ion Ratio Lower Upper
164 100
166 123.5 102.2 153.2
129 105.6 85.8 128.8
131 99.8 83.3 124.9



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.001 min
Lab File: VL039677.D
Acq: 23 Sep 2022 8:29

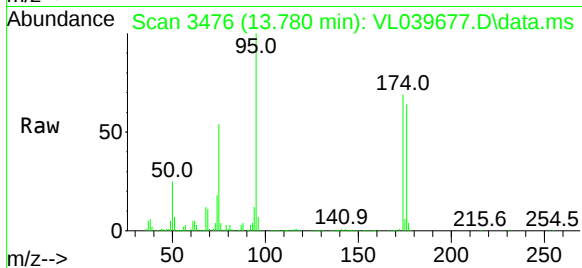
Tgt Ion:117 Resp: 2183780
Ion Ratio Lower Upper
117 100
82 64.4 50.8 76.2
119 33.0 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.722 ppbv
 RT: 13.780 min Scan# 34
 Delta R.T. 0.004 min
 Lab File: VL039677.D
 Acq: 23 Sep 2022 8:29

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG5DL



Tgt Ion: 95 Resp: 1584866

Ion	Ratio	Lower	Upper
95	100		
174	71.9	55.9	83.9
175	5.4	4.2	6.4

