

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039684.D
 Acq On : 4 Oct 2022 17:10
 Operator : SY/AP
 Sample : N4885-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Quant Time: Oct 05 04:40:53 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)

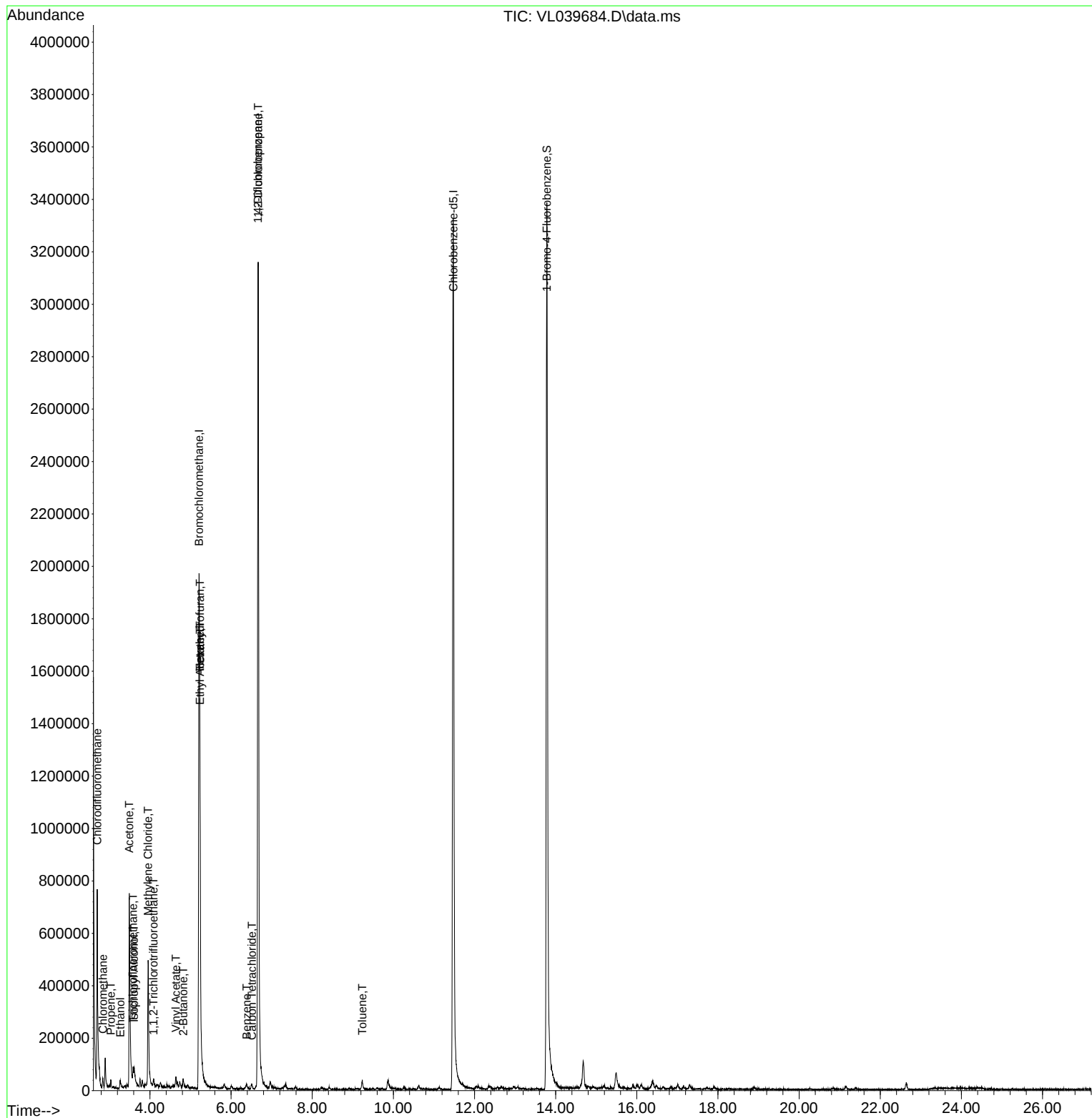
Internal Standards						
1) Bromochloromethane	5.208	49	947482	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.665	114	2511151	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2256907	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1687457	10.016	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.700	51	786978	6.999	ppbv	96
4) Chloromethane	2.838	50	28591	0.421	ppbv	93
9) Propene	3.038	41	8147	0.159	ppbv	87
11) Trichlorofluoromethane	3.584	101	31350	0.230	ppbv	85
12) 1,1,2-Trichlorotrifluo...	4.086	101	7856	0.076	ppbv #	82
13) Ethanol	3.272	45	28478	7.278	ppbv	82
15) Acetone	3.491	43	830149	7.874	ppbv	96
19) Isopropyl Alcohol	3.607	45	19357	0.360	ppbv #	88
20) Methylene Chloride	3.954	84	182148	3.737	ppbv	95
23) Vinyl Acetate	4.639	43	36091	0.757	ppbv #	74
25) Ethyl Acetate	5.234	43	254928	1.109	ppbv #	77
26) Hexane	5.230	57	348254	3.570	ppbv #	40
34) 2-Butanone	4.822	43	34152	0.277	ppbv #	78
35) Carbon Tetrachloride	6.513	117	9406	0.071	ppbv #	76
36) Benzene	6.385	78	8370	0.044	ppbv	96
39) 1,2-Dichloropropane	6.668	63	601837	8.118	ppbv #	25
41) Tetrahydrofuran	5.230	42	136749	1.807	ppbv #	48
53) Toluene	9.234	91	11036	0.052	ppbv #	20

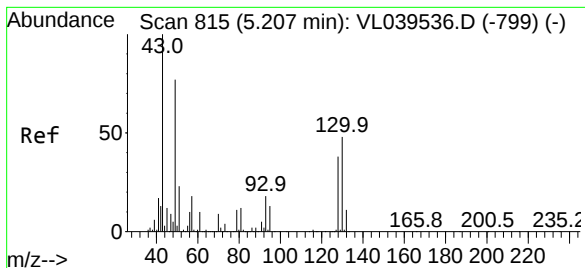
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1

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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
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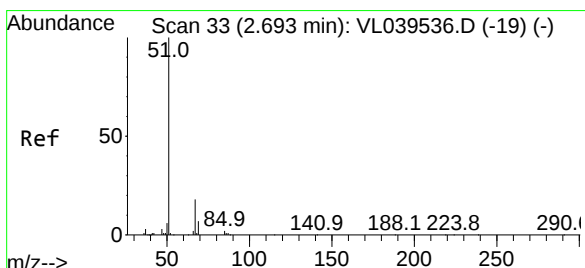
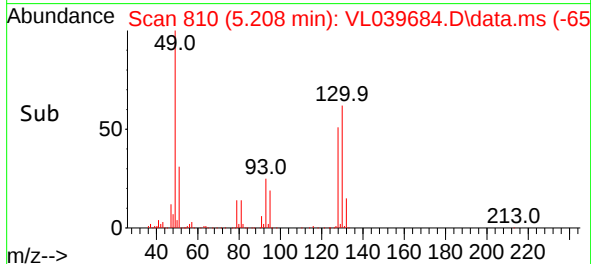
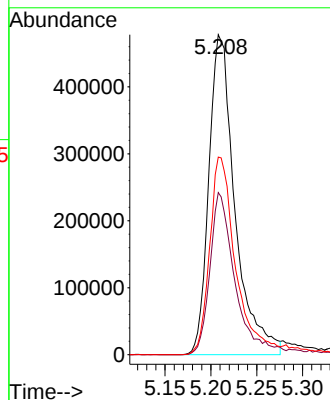
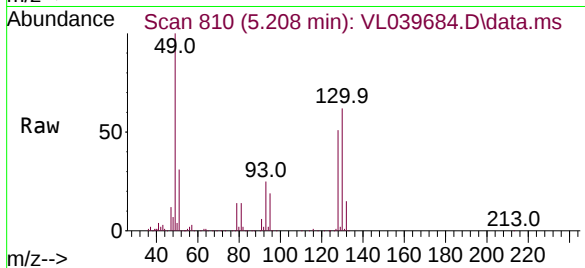




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

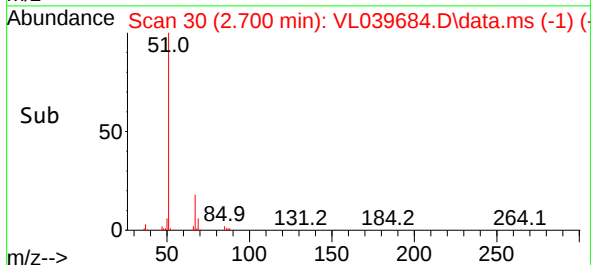
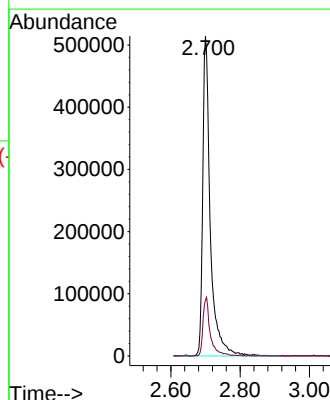
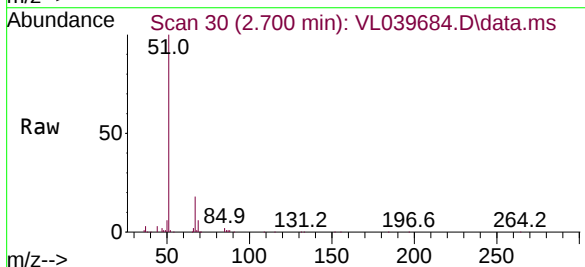
Instrument :
MSVOA_L
ClientSampleId :
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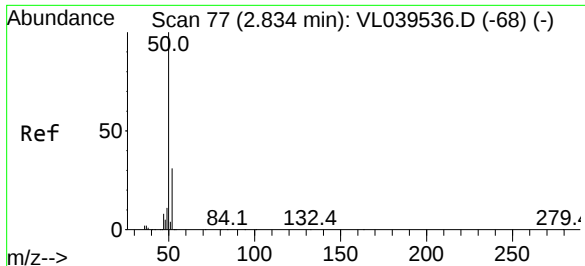
Tgt Ion: 49 Resp: 947482
Ion Ratio Lower Upper
49 100
128 51.4 26.7 80.0
130 64.0 34.3 102.8



#3
Chlorodifluoromethane
Concen: 6.999 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 51 Resp: 786978
Ion Ratio Lower Upper
51 100
67 17.7 15.7 23.5

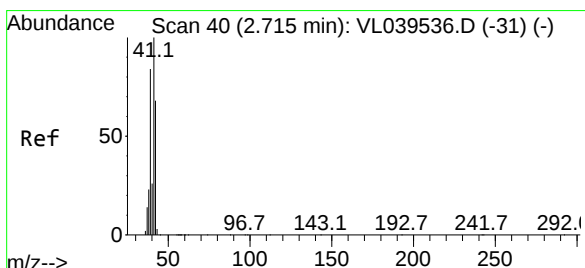
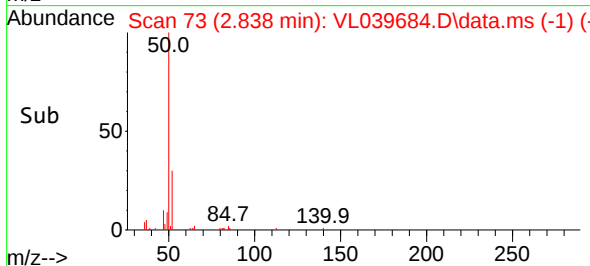
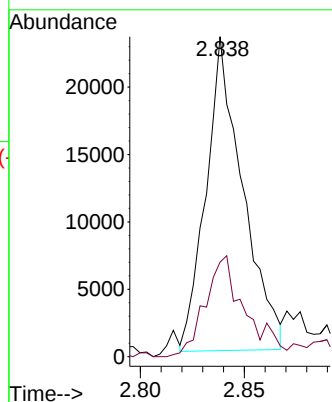
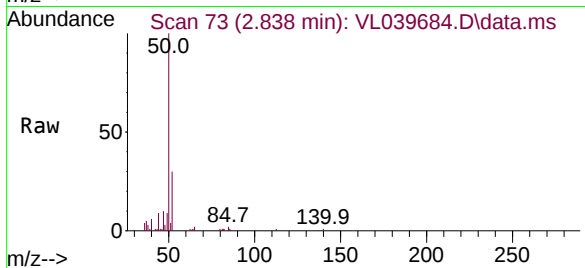




#4
Chloromethane
Concen: 0.421 ppbv
RT: 2.838 min Scan# 71
Delta R.T. 0.004 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

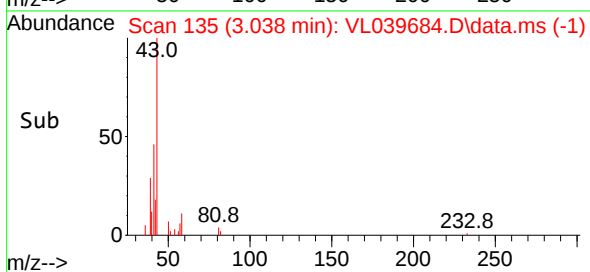
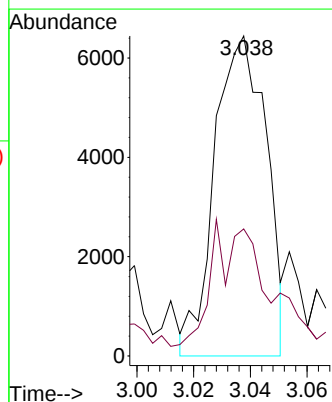
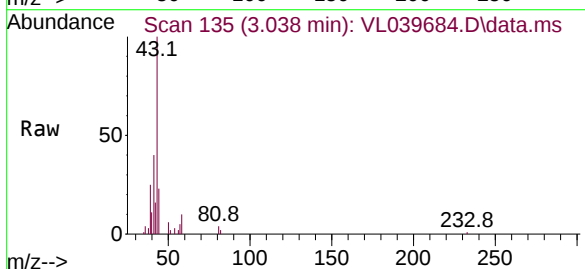
Instrument :
MSVOA_L
ClientSampleId :
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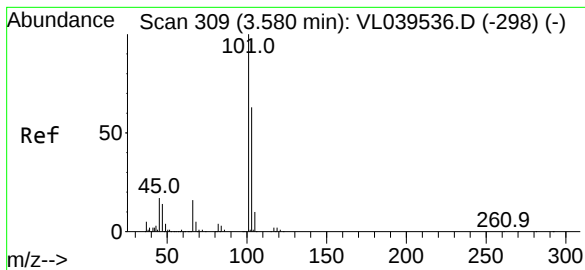
Tgt Ion: 50 Resp: 28591
Ion Ratio Lower Upper
50 100
52 29.4 26.5 39.7



#9
Propene
Concen: 0.159 ppbv
RT: 3.038 min Scan# 135
Delta R.T. 0.322 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 41 Resp: 8147
Ion Ratio Lower Upper
41 100
42 58.4 55.2 82.8

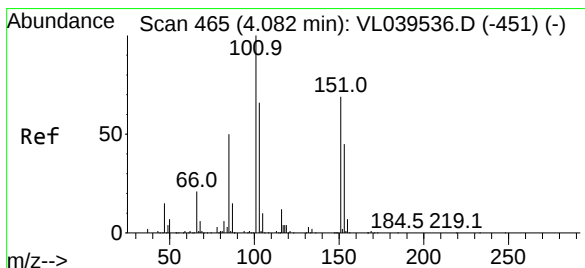
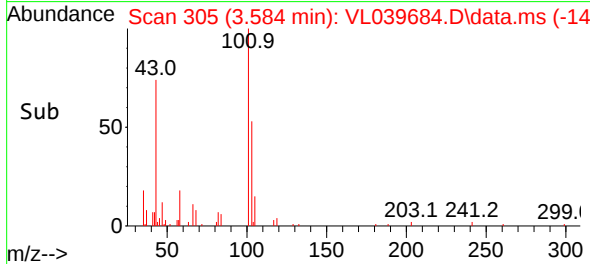
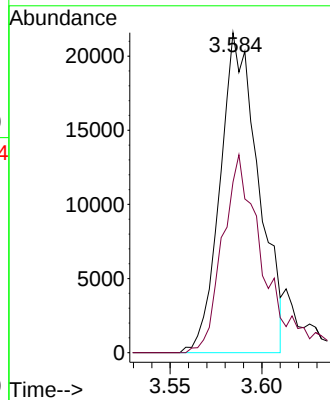
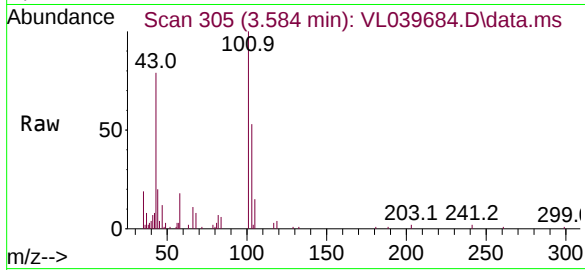




#11
 Trichlorofluoromethane
 Concen: 0.230 ppbv
 RT: 3.584 min Scan# 309
 Delta R.T. 0.004 min
 Lab File: VL039684.D
 Acq: 4 Oct 2022 17:10

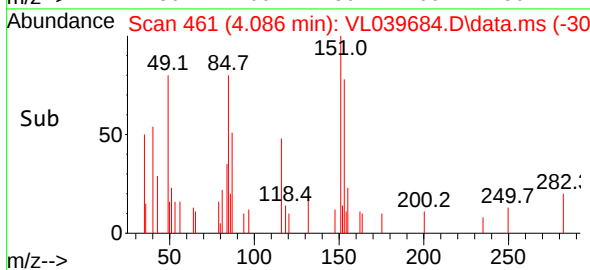
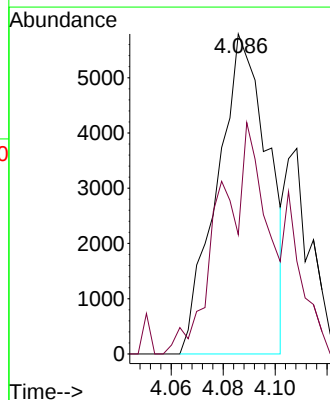
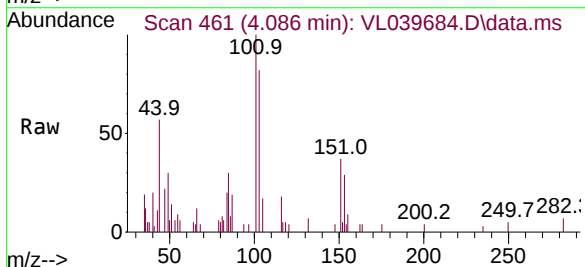
Instrument :
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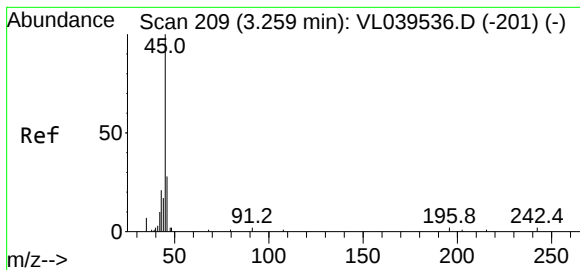
Tgt Ion:101 Resp: 31350
 Ion Ratio Lower Upper
 101 100
 103 53.3 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.076 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.004 min
 Lab File: VL039684.D
 Acq: 4 Oct 2022 17:10

Tgt Ion:101 Resp: 7856
 Ion Ratio Lower Upper
 101 100
 151 89.2 58.9 88.3#

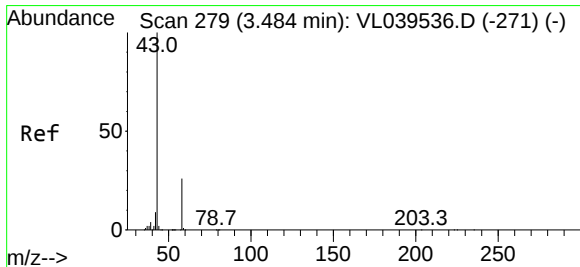
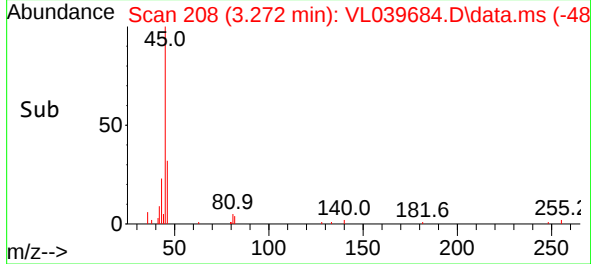
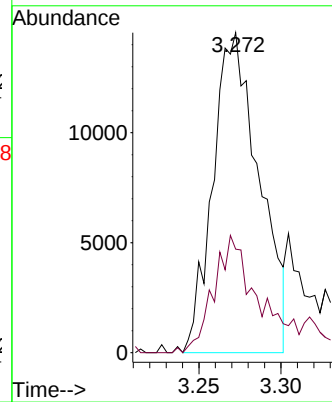
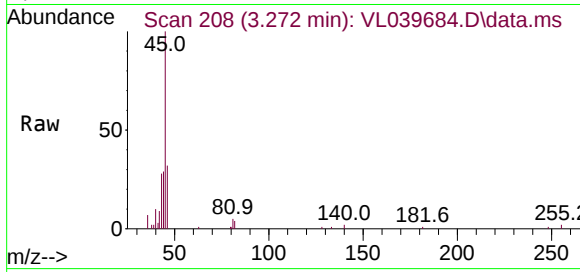




#13
Ethanol
Concen: 7.278 ppbv
RT: 3.272 min Scan# 209
Delta R.T. 0.014 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

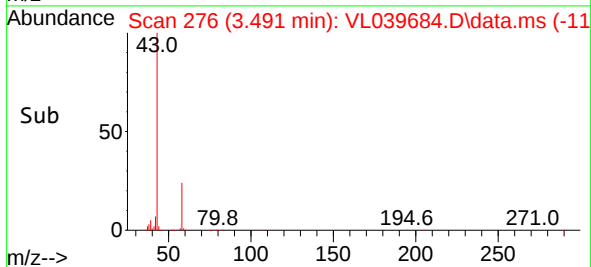
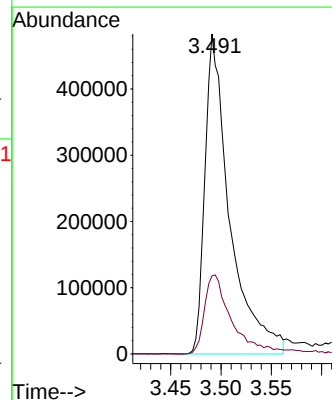
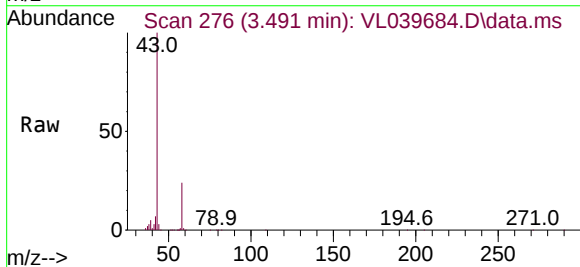
Instrument :
MSVOA_L
ClientSampleId :
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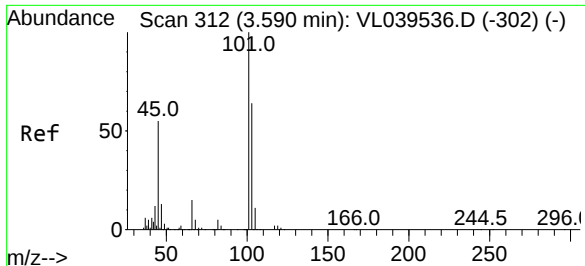
Tgt Ion: 45 Resp: 28478
Ion Ratio Lower Upper
45 100
46 43.5 22.8 91.2



#15
Acetone
Concen: 7.874 ppbv
RT: 3.491 min Scan# 276
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 43 Resp: 830149
Ion Ratio Lower Upper
43 100
58 28.5 21.0 31.6

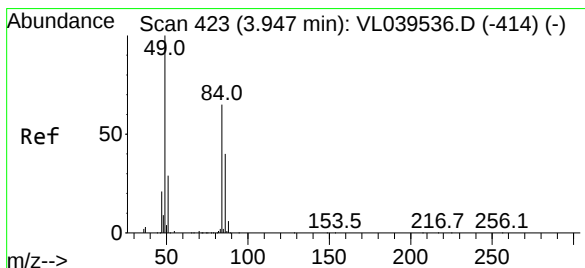
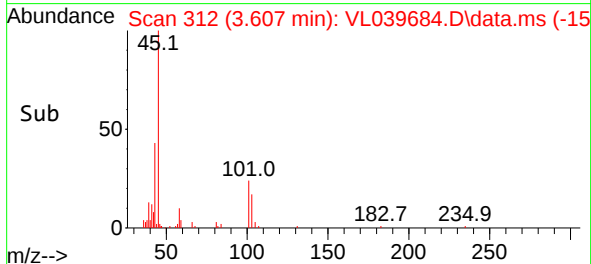
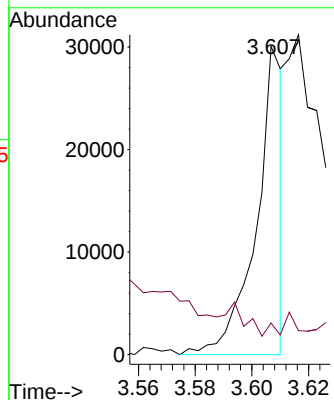
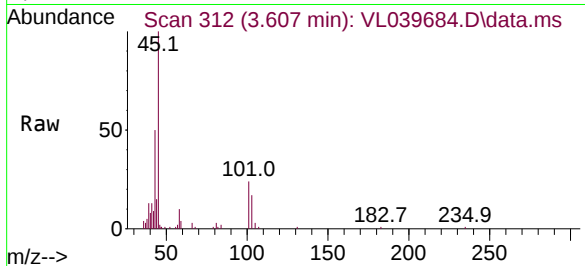




#19
Isopropyl Alcohol
Concen: 0.360 ppbv
RT: 3.607 min Scan# 312
Delta R.T. 0.017 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

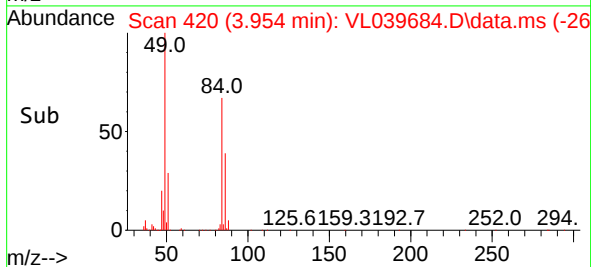
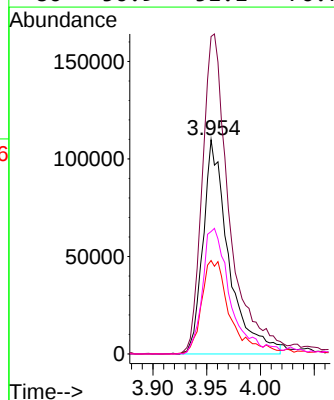
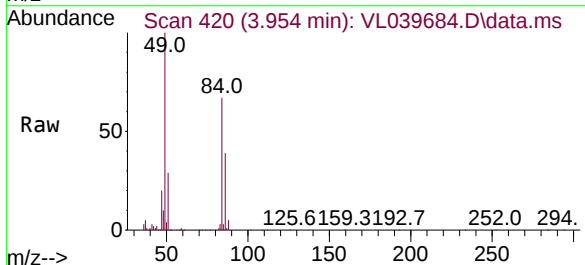
Instrument :
MSVOA_1
ClientSampleId :
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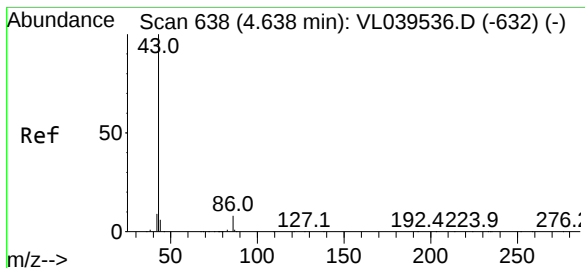
Tgt Ion: 45 Resp: 19357
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#



#20
Methylene Chloride
Concen: 3.737 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 84 Resp: 182148
Ion Ratio Lower Upper
84 100
49 148.2 123.1 184.7
51 43.2 34.4 51.6
86 56.9 51.1 76.7





#23
 Vinyl Acetate
 Concen: 0.757 ppbv
 RT: 4.639 min Scan# 61
 Delta R.T. 0.001 min
 Lab File: VL039684.D
 Acq: 4 Oct 2022 17:10

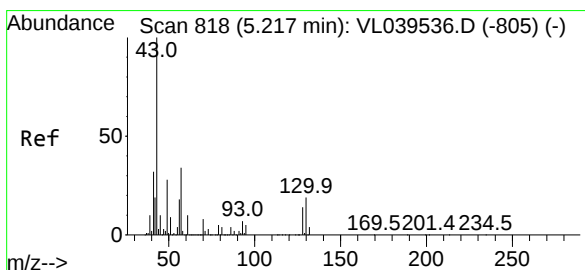
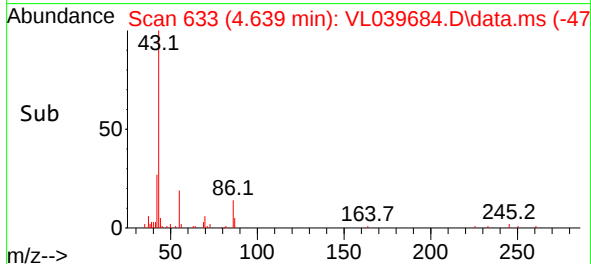
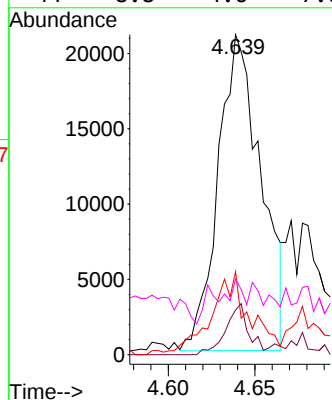
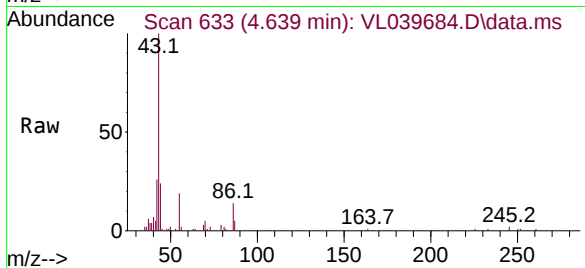
Instrument :

MSVOA_L

ClientSampleId :

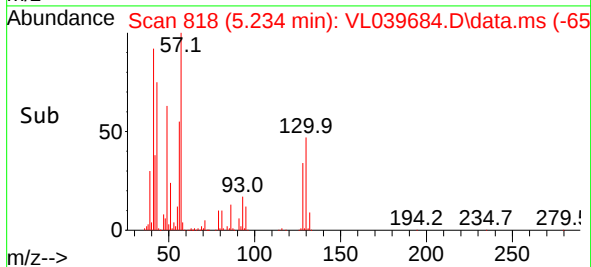
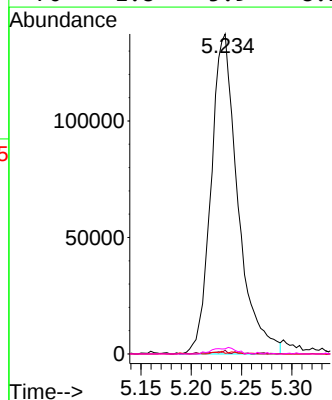
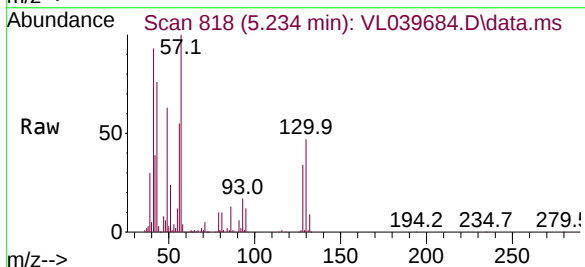
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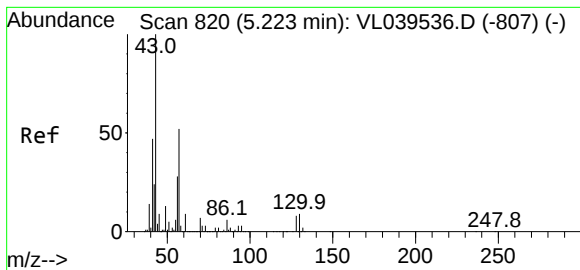
Tgt Ion: 43 Resp: 36091
 Ion Ratio Lower Upper
 43 100
 86 14.2 5.0 7.6#
 42 23.7 7.7 11.5#
 44 8.8 4.6 7.0#



#25
 Ethyl Acetate
 Concen: 1.109 ppbv
 RT: 5.234 min Scan# 818
 Delta R.T. 0.017 min
 Lab File: VL039684.D
 Acq: 4 Oct 2022 17:10

Tgt Ion: 43 Resp: 254928
 Ion Ratio Lower Upper
 43 100
 45 0.8 8.2 12.4#
 61 0.6 8.3 12.5#
 70 1.8 5.9 8.9#

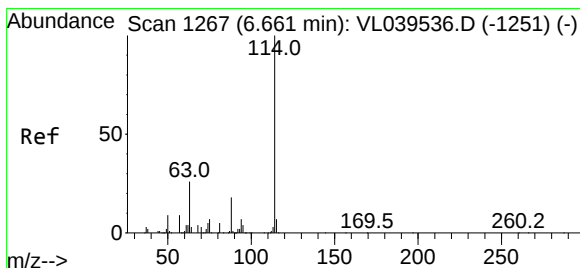
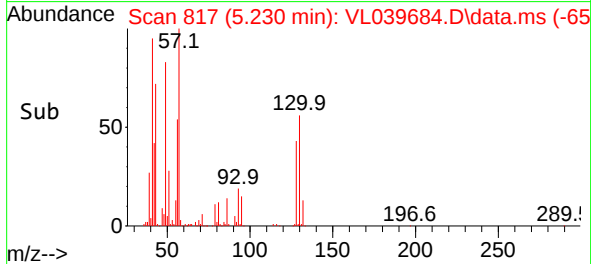
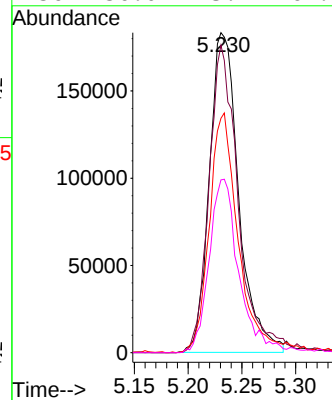
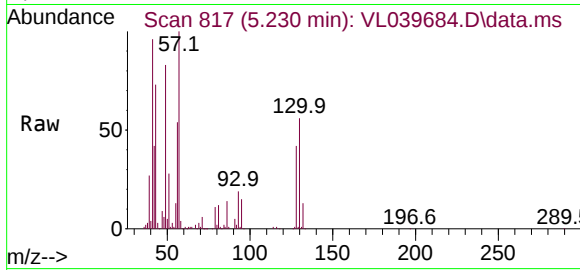




#26
Hexane
Concen: 3.570 ppbv
RT: 5.230 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

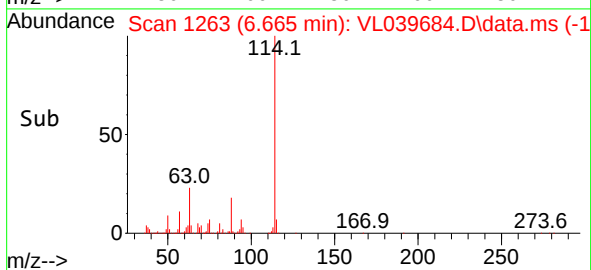
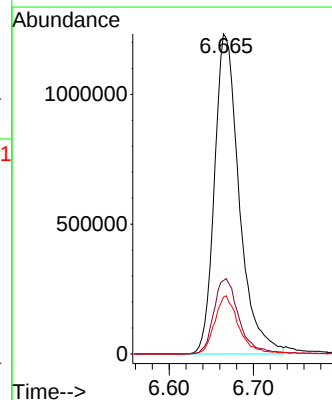
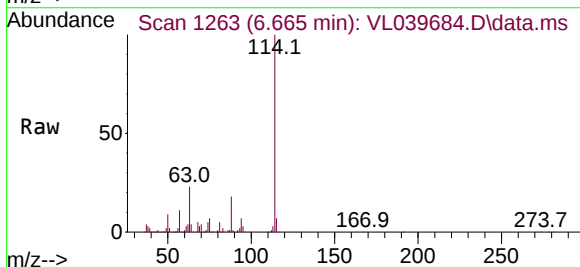
Instrument :
MSVOA_L
ClientSampleId :
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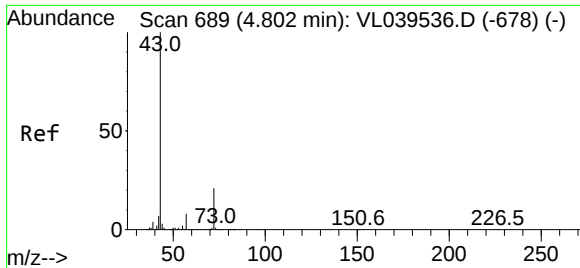
Tgt Ion: 57 Resp: 348254
Ion Ratio Lower Upper
57 100
41 97.0 76.9 115.3
43 76.0 191.0 286.6#
56 56.0 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.665 min Scan# 1263
Delta R.T. 0.004 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 114 Resp: 2511151
Ion Ratio Lower Upper
114 100
63 24.3 20.2 30.4
88 18.1 14.5 21.7

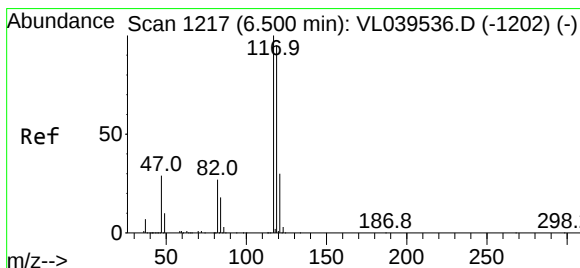
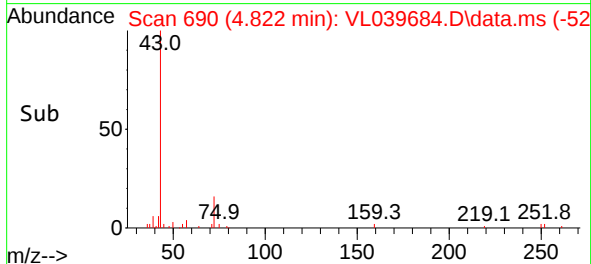
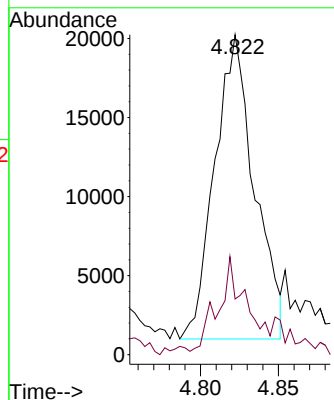
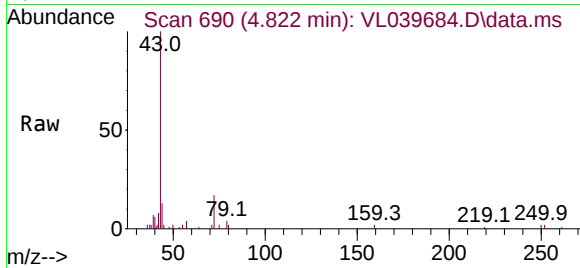




#34
2-Butanone
Concen: 0.277 ppbv
RT: 4.822 min Scan# 690
Delta R.T. 0.020 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

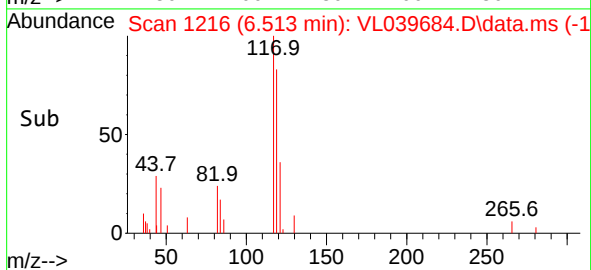
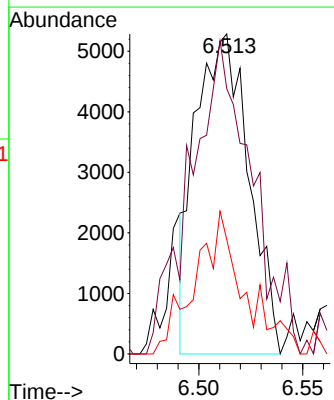
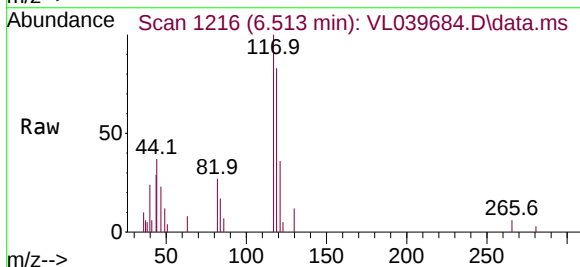
Instrument :
MSVOA_L
ClientSampleId :
1

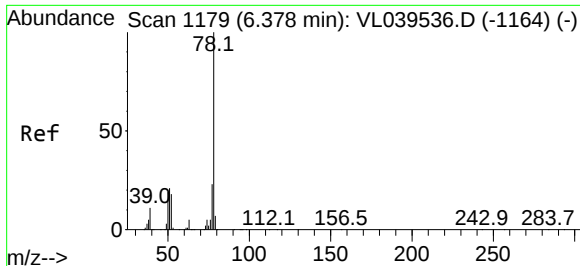
Tgt Ion: 43 Resp: 34152
Ion Ratio Lower Upper
43 100
72 33.0 17.9 26.9#



#35
Carbon Tetrachloride
Concen: 0.071 ppbv
RT: 6.513 min Scan# 1216
Delta R.T. 0.014 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 117 Resp: 9406
Ion Ratio Lower Upper
117 100
119 66.5 75.4 113.2#
121 25.3 24.2 36.2





#36

Benzene

Concen: 0.044 ppbv

RT: 6.385 min Scan# 1179

Delta R.T. 0.007 min

Lab File: VL039684.D

Acq: 4 Oct 2022 17:10

Instrument :

MSVOA_L

ClientSampleId :

1

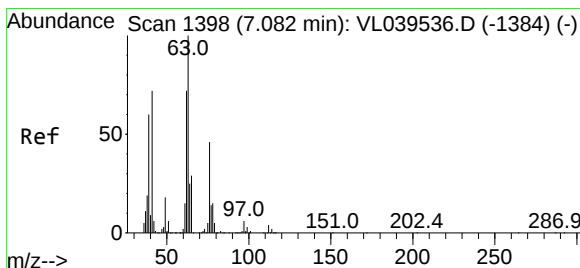
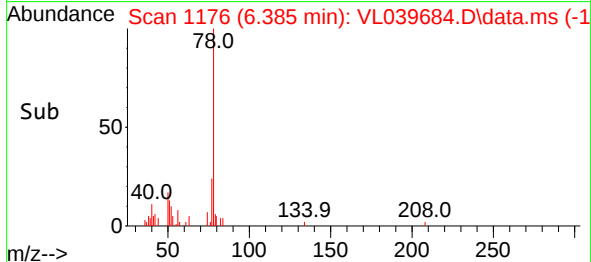
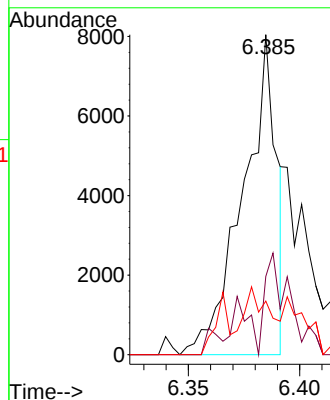
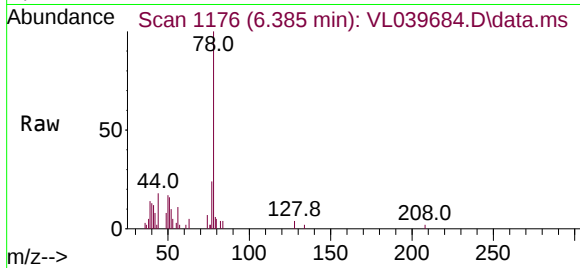
Tgt Ion: 78 Resp: 8370

Ion Ratio Lower Upper

78 100

77 24.5 20.3 30.5

50 16.8 15.5 23.3



#39

1,2-Dichloropropane

Concen: 8.118 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.414 min

Lab File: VL039684.D

Acq: 4 Oct 2022 17:10

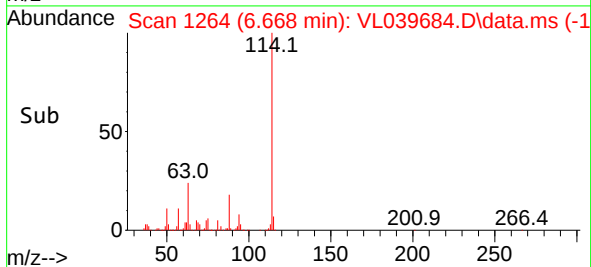
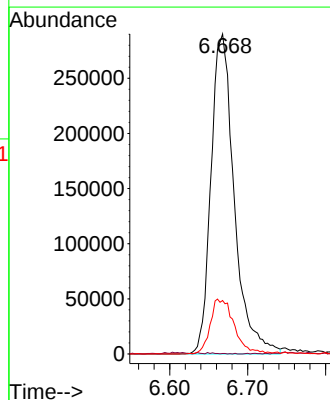
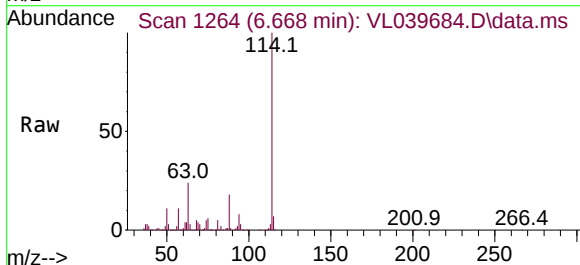
Tgt Ion: 63 Resp: 601837

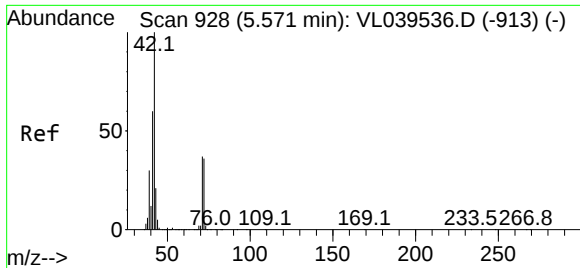
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.7 51.4 77.0#

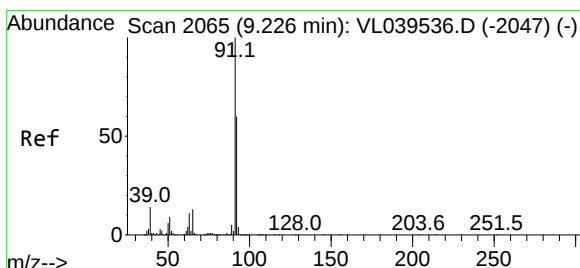
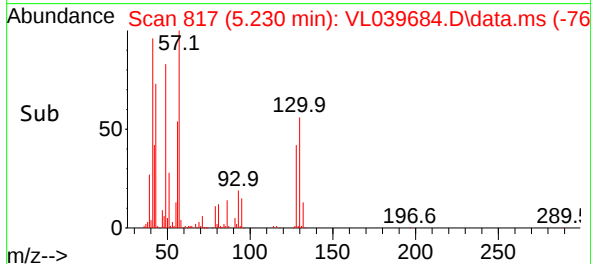
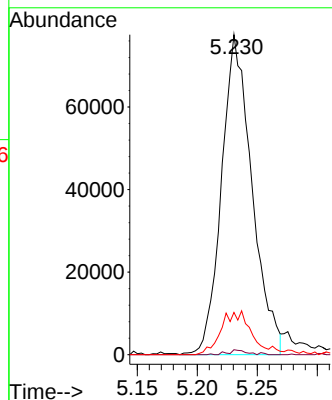
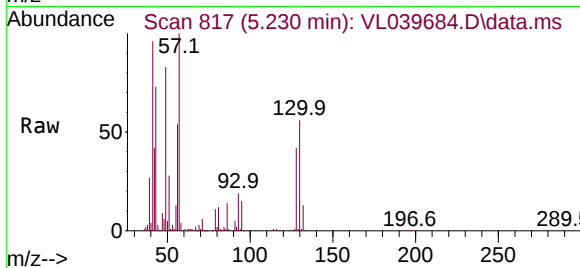




#41
Tetrahydrofuran
Concen: 1.807 ppbv
RT: 5.230 min Scan# 81
Delta R.T. -0.340 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

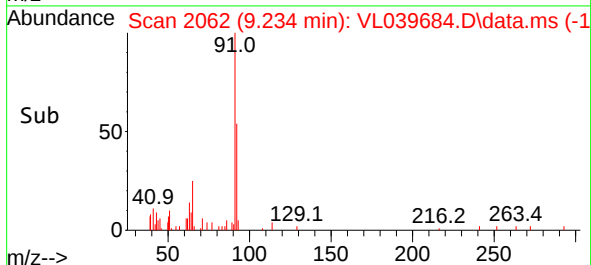
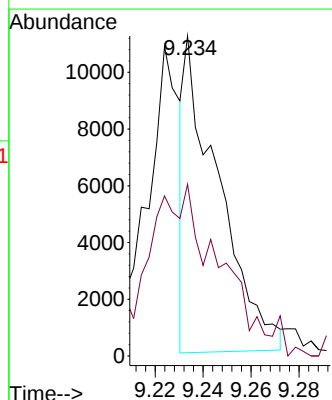
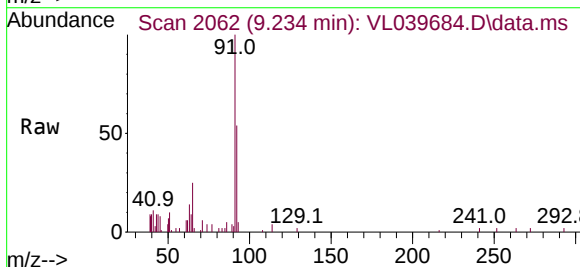
Instrument :
MSVOA_L
ClientSampleId :
1

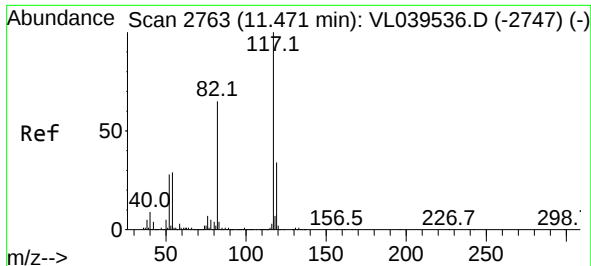
Tgt Ion: 42 Resp: 136749
Ion Ratio Lower Upper
42 100
72 1.0 31.8 47.8#
71 14.4 31.8 47.8#



#53
Toluene
Concen: 0.052 ppbv
RT: 9.234 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 91 Resp: 11036
Ion Ratio Lower Upper
91 100
92 120.8 48.2 72.2#

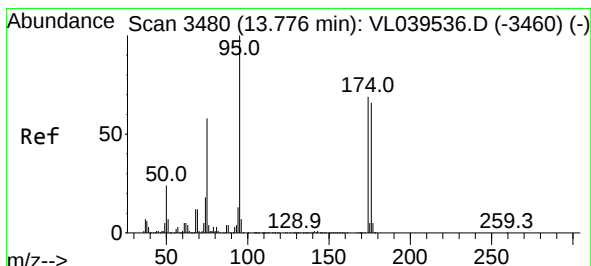
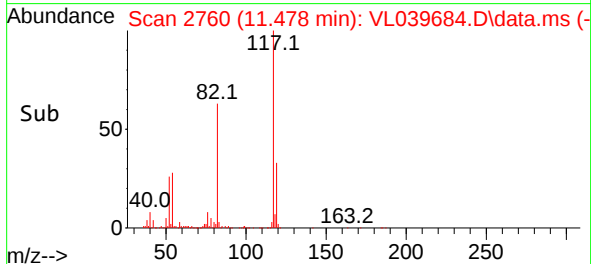
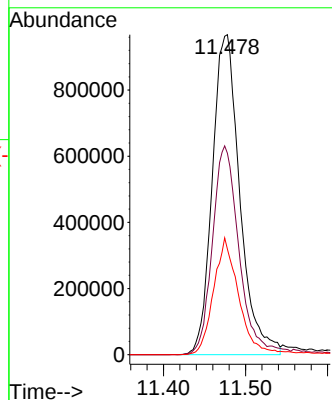
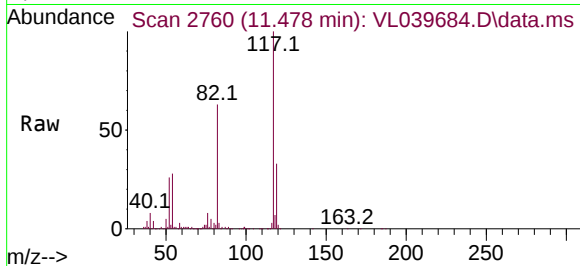




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Instrument :
MSVOA_1
ClientSampleId :
1

Tgt Ion:117 Resp: 2256907
Ion Ratio Lower Upper
117 100
82 65.2 50.8 76.2
119 34.7 24.1 36.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.016 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.007 min
Lab File: VL039684.D
Acq: 4 Oct 2022 17:10

Tgt Ion: 95 Resp: 1687457
Ion Ratio Lower Upper
95 100
174 72.9 55.9 83.9
175 5.6 4.2 6.4

