

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111022\
 Data File : VL039874.D
 Acq On : 10 Nov 2022 21:54
 Operator : SY/AP
 Sample : N5584-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

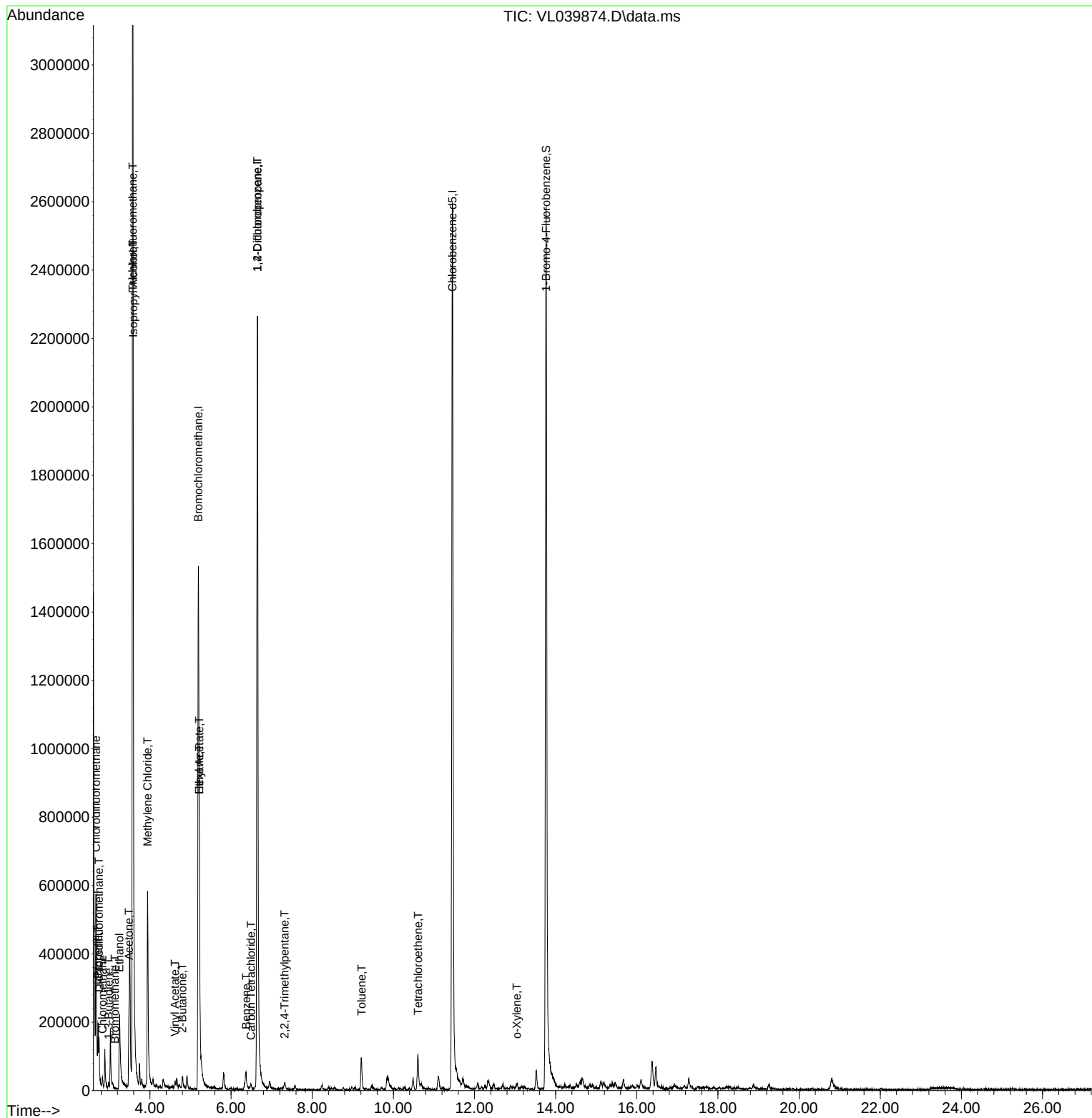
Quant Time: Nov 11 05:03:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

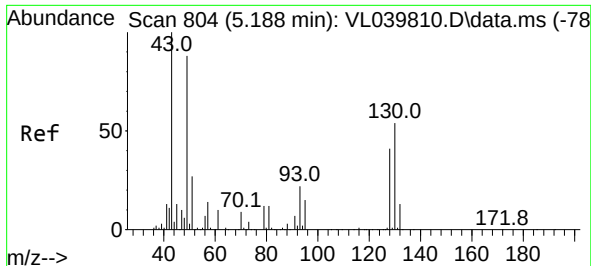
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.195	49	757367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1673078	10.000	ppbv	# 0.00
55) Chlorobenzene-d5	11.455	117	1604379	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1318047	10.976	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	77228	0.604	ppbv	98
3) Chlorodifluoromethane	2.671	51	374393	4.147	ppbv	# 66
4) Chloromethane	2.832	50	21449	0.382	ppbv	# 88
6) Bromomethane	3.137	94	488	0.030	ppbv	# 4
9) Propene	2.719	41	27602	0.587	ppbv	88
11) Trichlorofluoromethane	3.575	101	2921089	28.011	ppbv	99
13) Ethanol	3.250	45	244725	73.606	ppbv	95
15) Acetone	3.485	43	208165	2.258	ppbv	# 88
16) 1,3-Butadiene	2.980	39	4509	0.105	ppbv	# 44
19) Isopropyl Alcohol	3.587	45	4613	0.101	ppbv	# 13
20) Methylene Chloride	3.944	84	211352	6.409	ppbv	95
23) Vinyl Acetate	4.620	43	14136	0.385	ppbv	# 73
25) Ethyl Acetate	5.218	43	110979	0.584	ppbv	# 79
26) Hexane	5.218	57	153249	1.810	ppbv	# 41
34) 2-Butanone	4.796	43	24909	0.361	ppbv	# 61
35) Carbon Tetrachloride	6.488	117	4292	0.044	ppbv	# 78
36) Benzene	6.372	78	28454	0.202	ppbv	# 93
39) 1,2-Dichloropropane	6.648	63	497358	9.045	ppbv	# 26
44) 2,2,4-Trimethylpentane	7.317	57	8569	0.036	ppbv	# 18
52) Tetrachloroethene	10.613	164	6995	0.132	ppbv	# 57
53) Toluene	9.217	91	33625	0.208	ppbv	# 19
60) o-Xylene	13.044	91	6802	0.040	ppbv	# 59

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

Quant Time: Nov 11 05:03:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Nov 03 09:27:12 2022
Response via : Initial Calibration

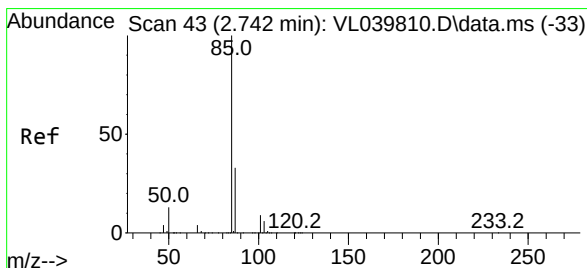
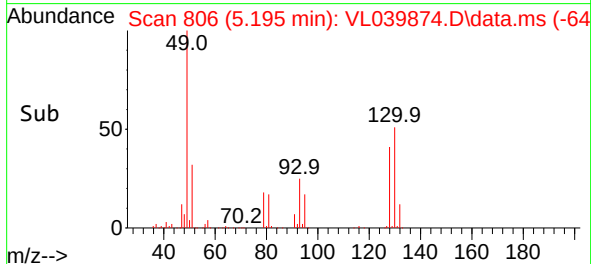
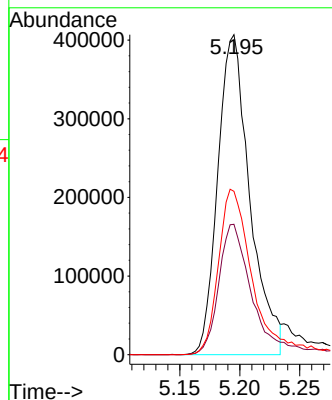
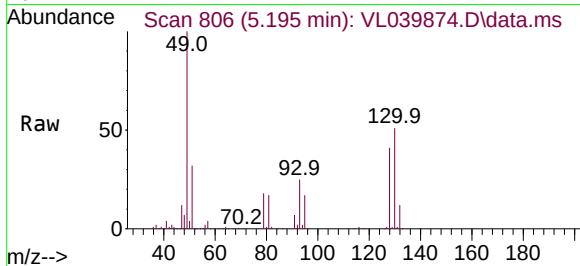




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.007 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

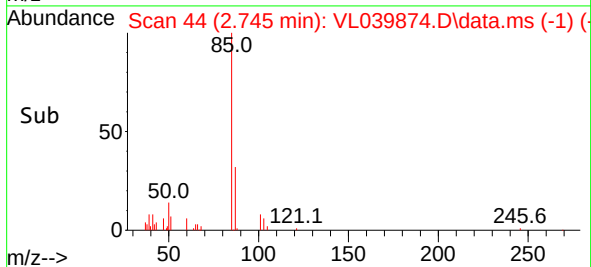
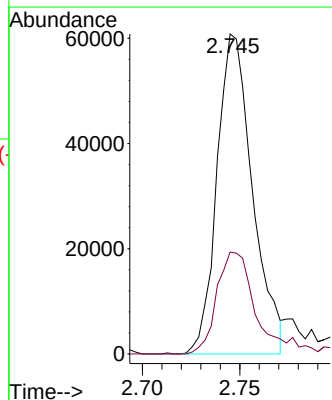
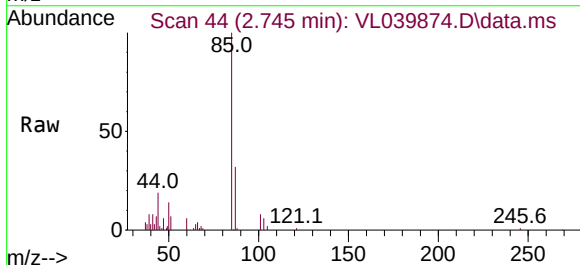
Instrument :
 MSVOA_L
 ClientSampleId :

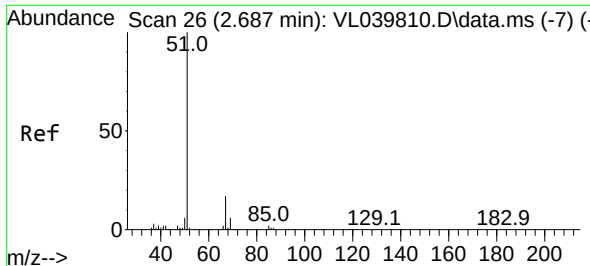
Tgt Ion: 49 Resp: 757367
 Ion Ratio Lower Upper
 49 100
 128 44.4 24.6 73.6
 130 57.7 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 0.604 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.003 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

Tgt Ion: 85 Resp: 77228
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.4 39.6

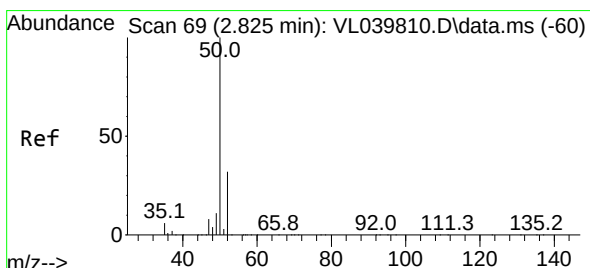
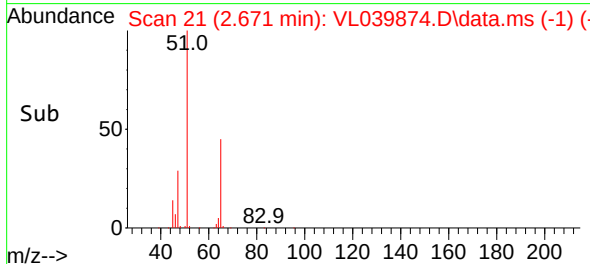
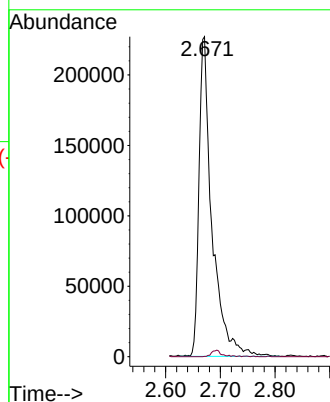
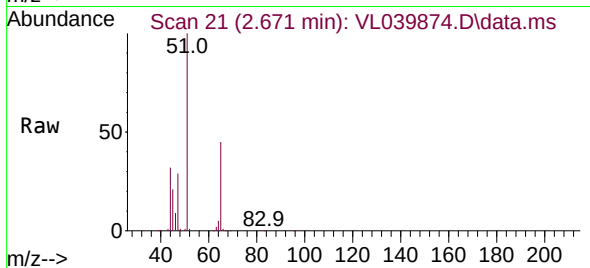




#3
Chlorodifluoromethane
Concen: 4.147 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

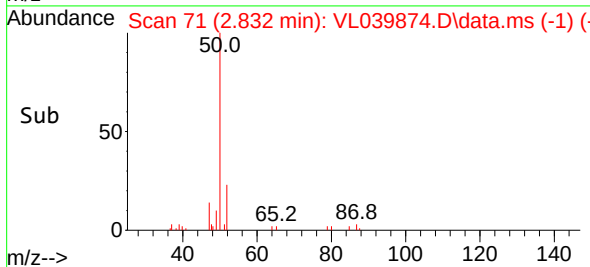
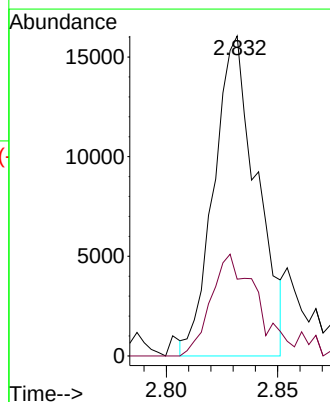
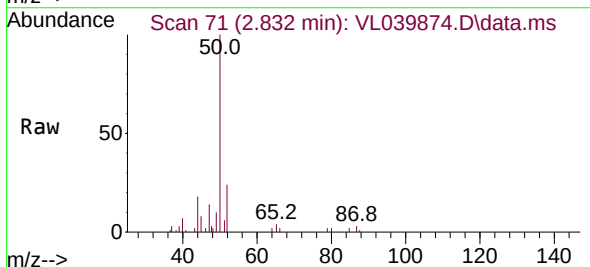
Instrument :
MSVOA_L
ClientSampleId :

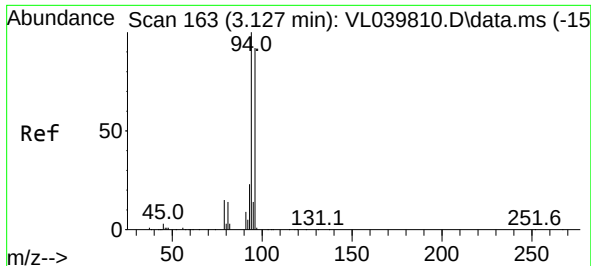
Tgt Ion: 51 Resp: 374393
Ion Ratio Lower Upper
51 100
67 1.8 13.2 19.8#



#4
Chloromethane
Concen: 0.382 ppbv
RT: 2.832 min Scan# 71
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 50 Resp: 21449
Ion Ratio Lower Upper
50 100
52 25.2 25.5 38.3#

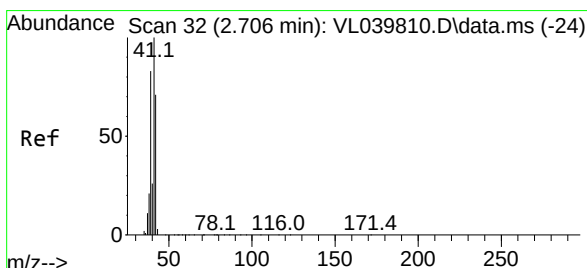
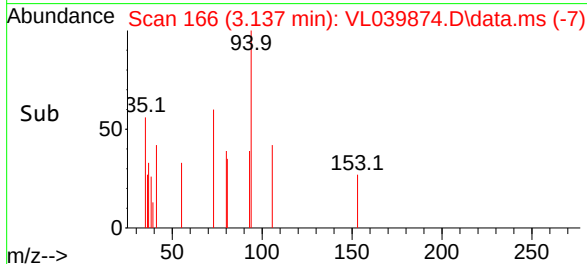
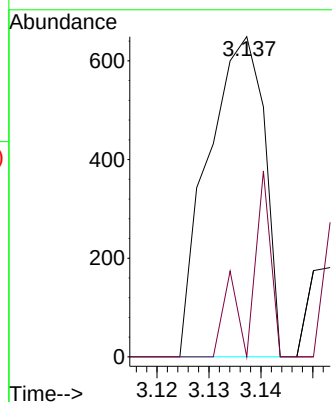
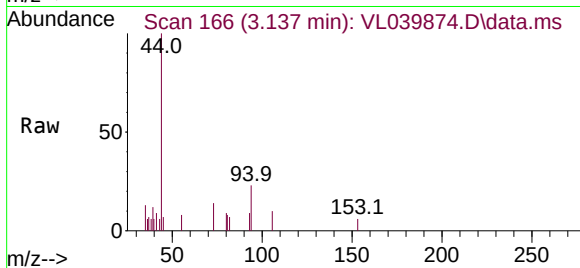




#6
Bromomethane
Concen: 0.030 ppbv
RT: 3.137 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

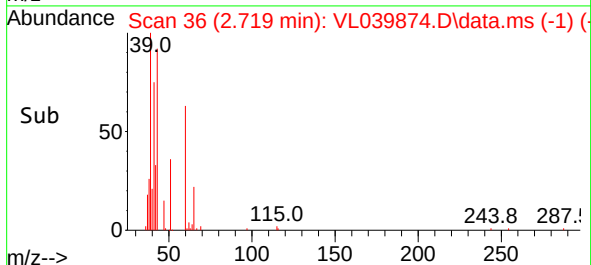
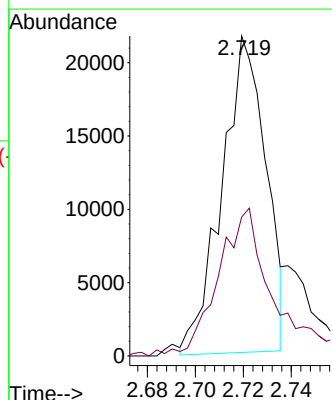
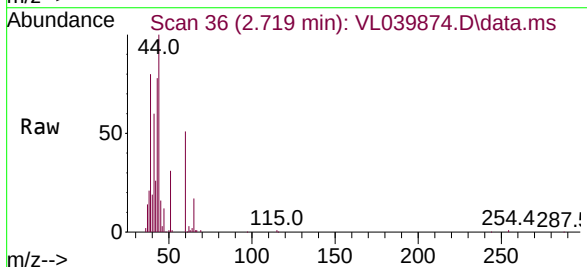
Instrument :
MSVOA_L
ClientSampleId :

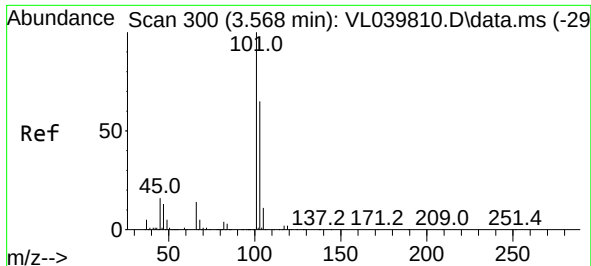
Tgt Ion: 94 Resp: 488
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#9
Propene
Concen: 0.587 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.013 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 41 Resp: 27602
Ion Ratio Lower Upper
41 100
42 60.9 56.3 84.5

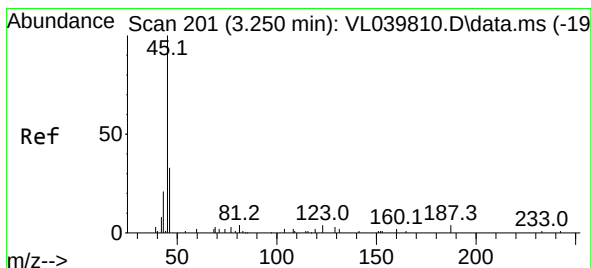
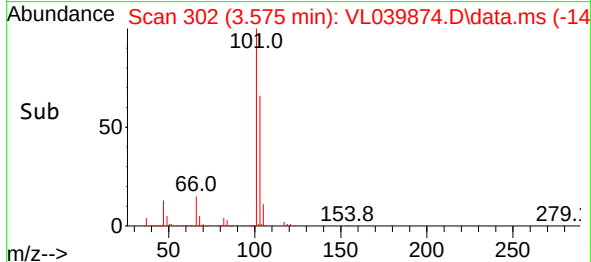
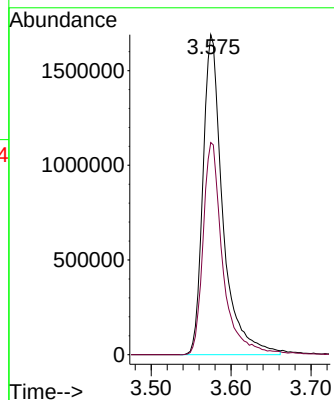
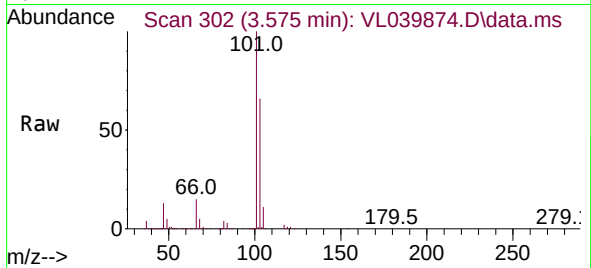




#11
 Trichlorofluoromethane
 Concen: 28.011 ppbv
 RT: 3.575 min Scan# 300
 Delta R.T. 0.007 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

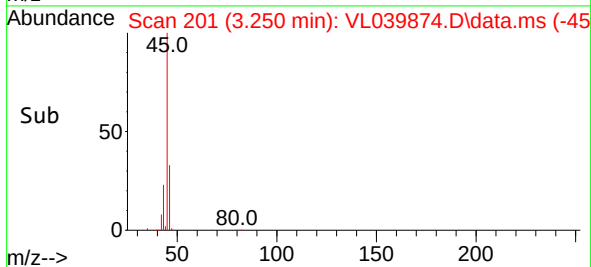
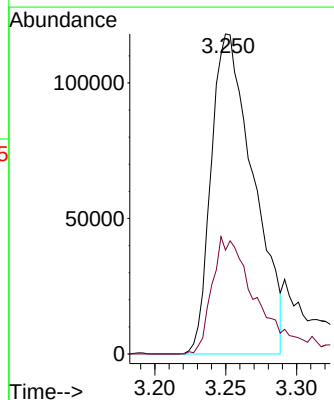
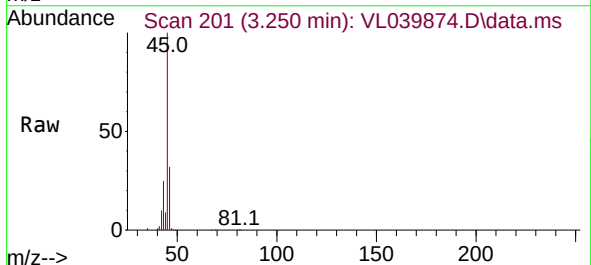
Instrument :
 MSVOA_L
 ClientSampleId :

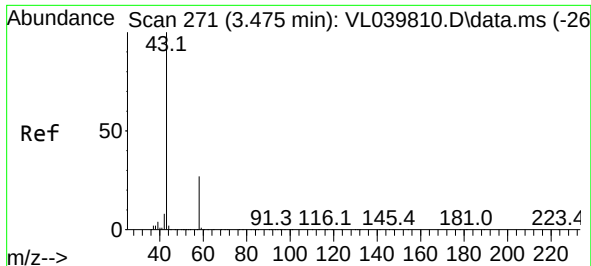
Tgt Ion:101 Resp: 2921089
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.2 78.2



#13
 Ethanol
 Concen: 73.606 ppbv
 RT: 3.250 min Scan# 201
 Delta R.T. 0.000 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

Tgt Ion: 45 Resp: 244725
 Ion Ratio Lower Upper
 45 100
 46 44.1 16.5 65.9

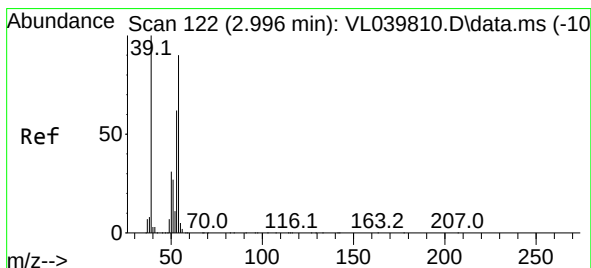
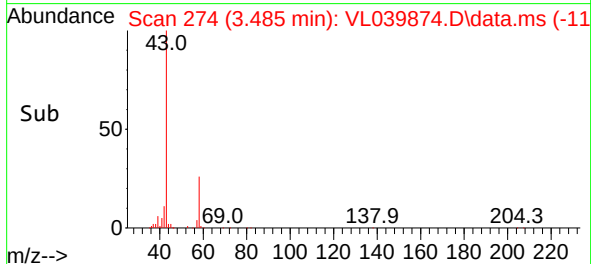
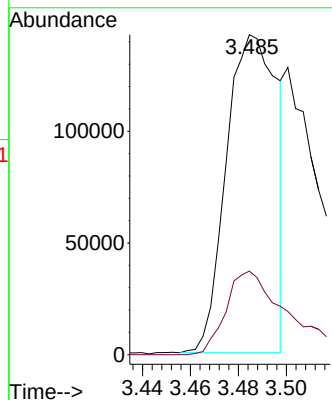
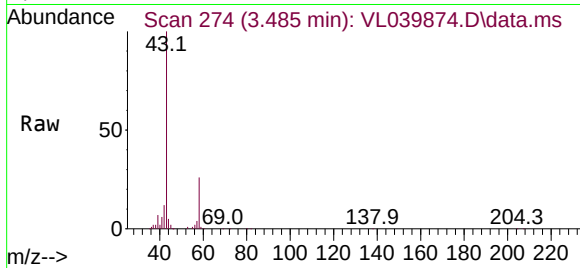




#15
Acetone
Concen: 2.258 ppbv
RT: 3.485 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

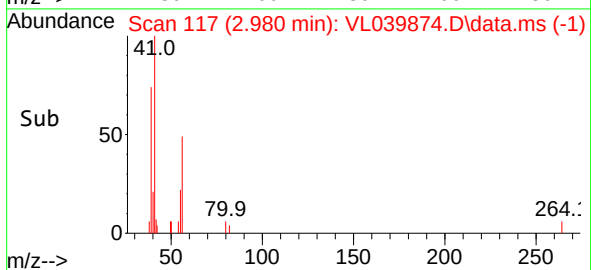
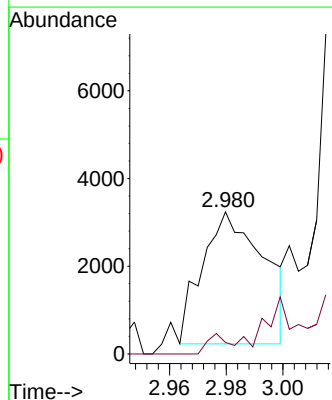
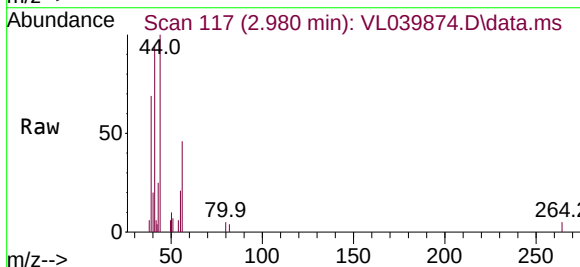
Instrument :
MSVOA_L
ClientSampleId :

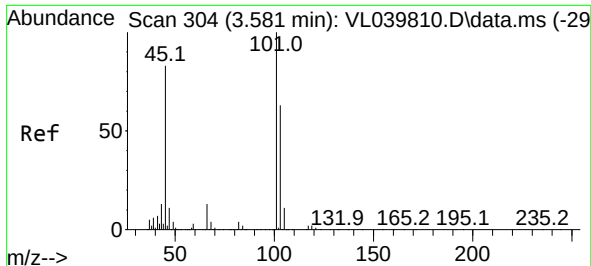
Tgt Ion: 43 Resp: 208165
Ion Ratio Lower Upper
43 100
58 35.3 23.2 34.8#



#16
1,3-Butadiene
Concen: 0.105 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 39 Resp: 4509
Ion Ratio Lower Upper
39 100
54 36.7 71.0 106.4#

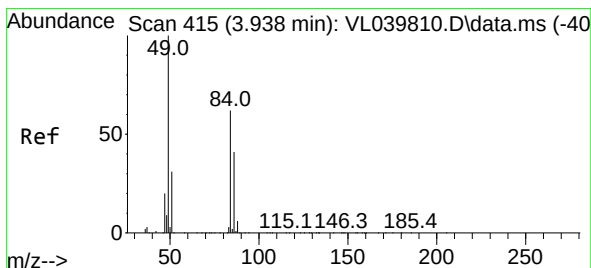
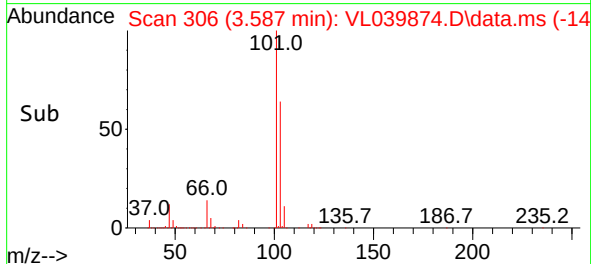
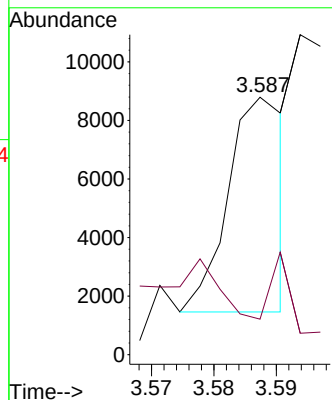
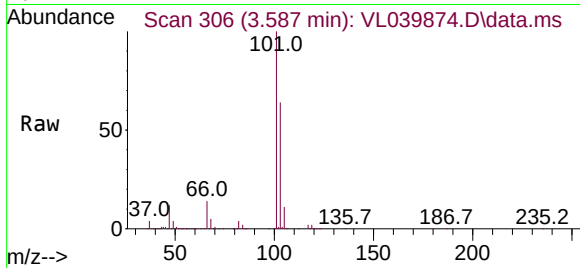




#19
Isopropyl Alcohol
Concen: 0.101 ppbv
RT: 3.587 min Scan# 304
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

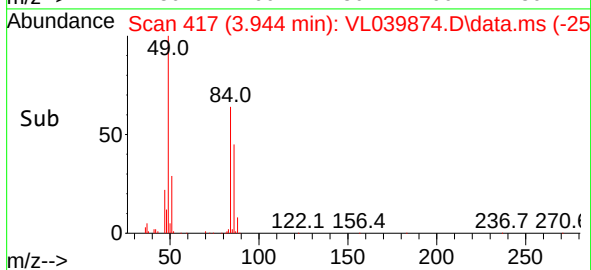
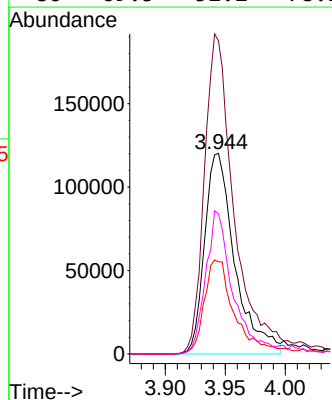
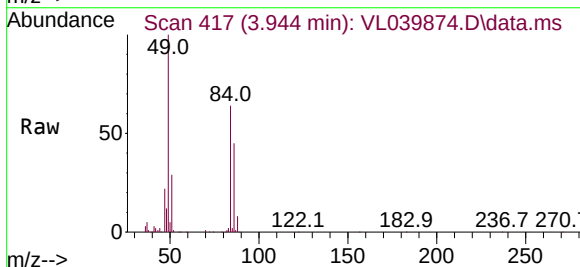
Instrument :
MSVOA_L
ClientSampleId :

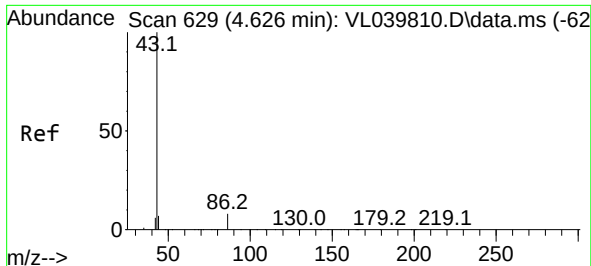
Tgt Ion: 45 Resp: 4613
Ion Ratio Lower Upper
45 100
58 106.4 38.3 57.5#



#20
Methylene Chloride
Concen: 6.409 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 84 Resp: 211352
Ion Ratio Lower Upper
84 100
49 155.7 128.6 192.8
51 45.6 40.2 60.4
86 69.5 52.2 78.2



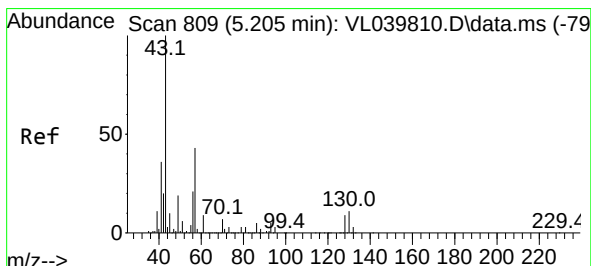
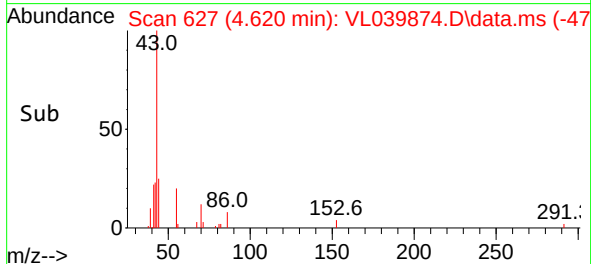
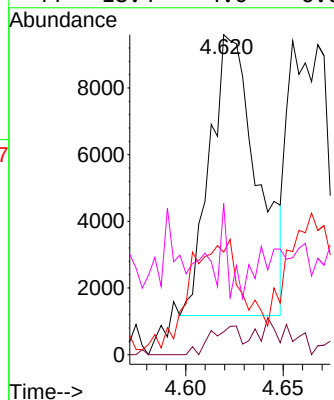
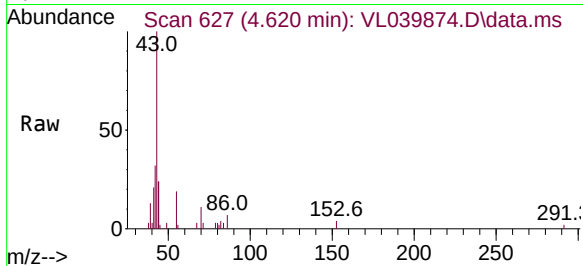


#23
 Vinyl Acetate
 Concen: 0.385 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 14136

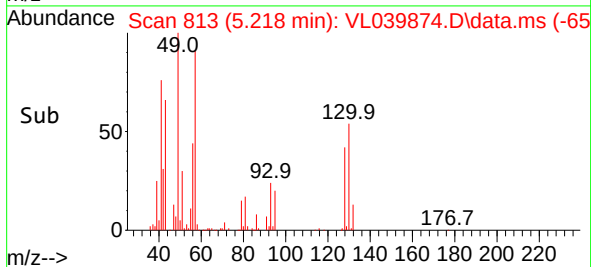
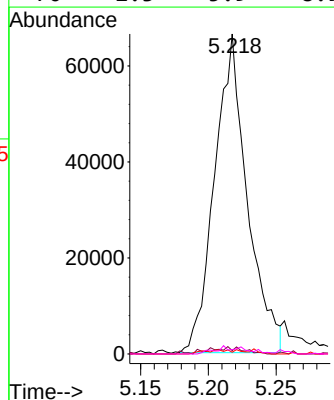
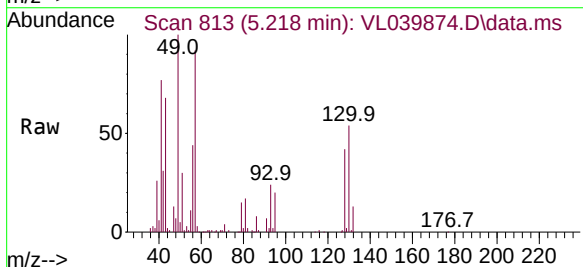
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.0	7.4#
42	21.1	6.8	10.2#
44	18.4	4.0	6.0#

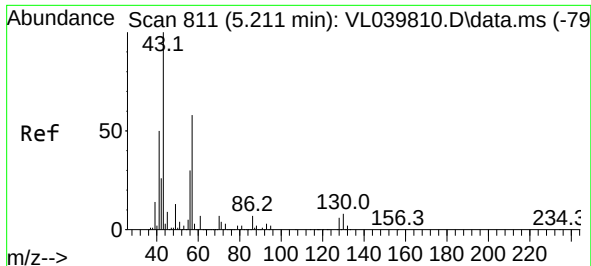


#25
 Ethyl Acetate
 Concen: 0.584 ppbv
 RT: 5.218 min Scan# 813
 Delta R.T. 0.013 min
 Lab File: VL039874.D
 Acq: 10 Nov 2022 21:54

Tgt Ion: 43 Resp: 110979

Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.2	12.2#
61	0.0	8.1	12.1#
70	2.3	5.9	8.9#

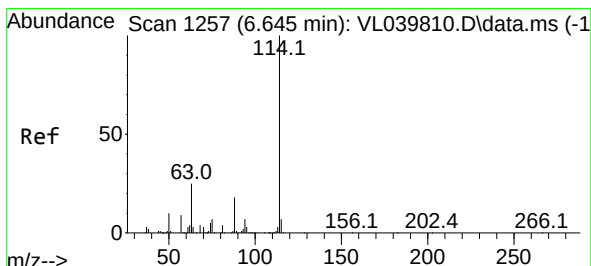
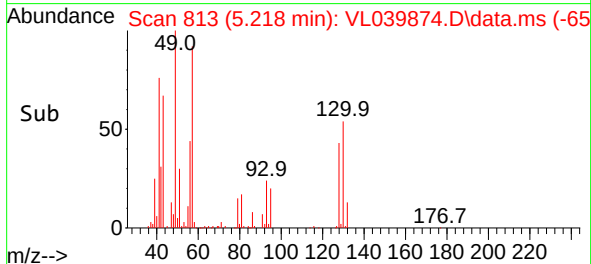
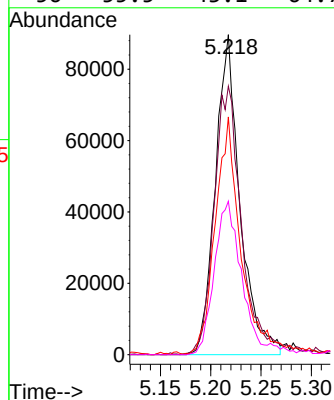
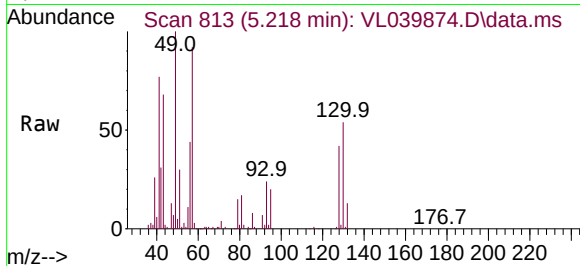




#26
Hexane
Concen: 1.810 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

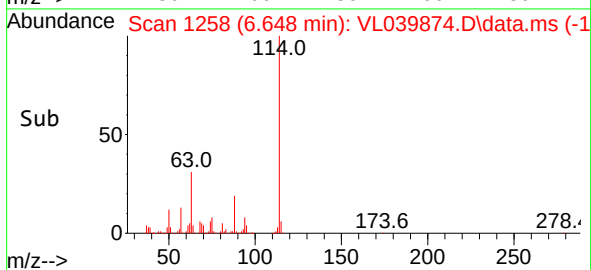
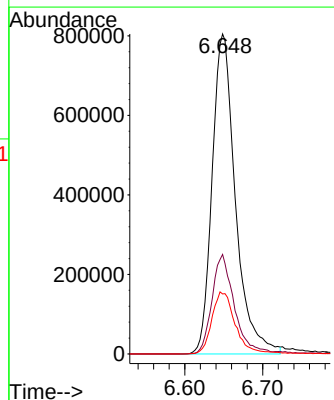
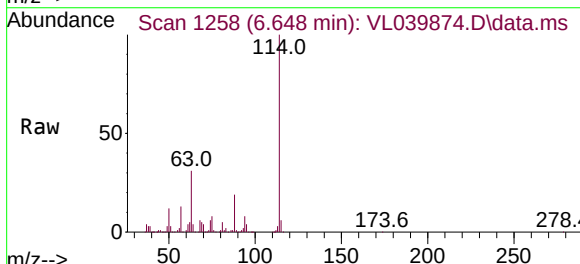
Instrument :
MSVOA_L
ClientSampleId :

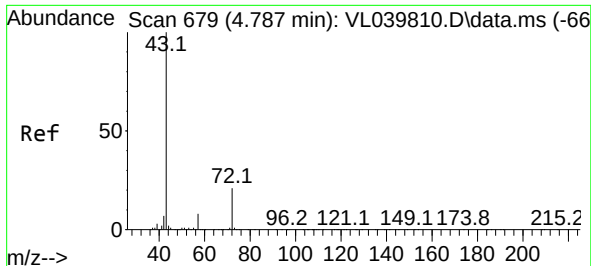
Tgt Ion: 57 Resp: 153249
Ion Ratio Lower Upper
57 100
41 95.6 73.7 110.5
43 80.2 189.8 284.8#
56 55.5 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 114 Resp: 1673078
Ion Ratio Lower Upper
114 100
63 30.8 19.8 29.6#
88 19.6 14.4 21.6

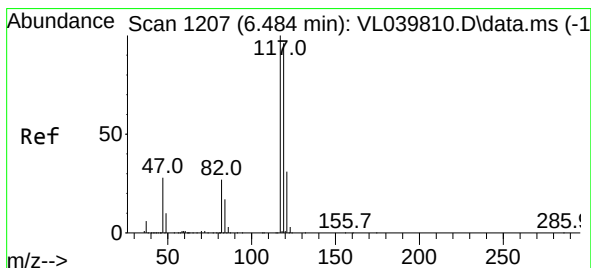
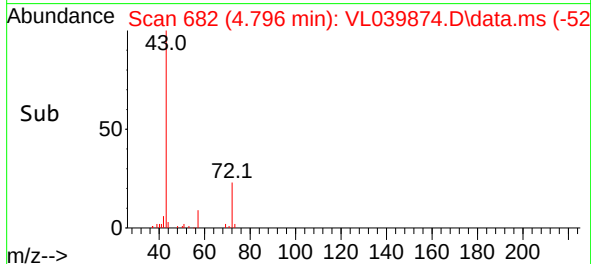
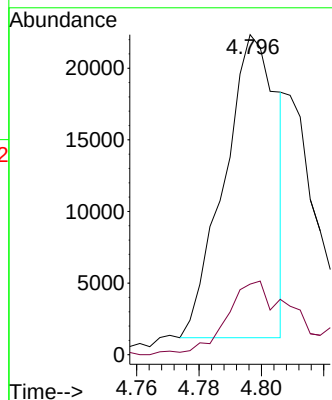
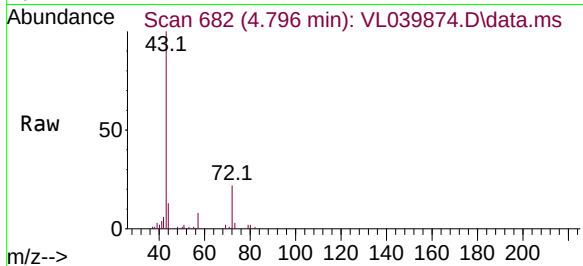




#34
2-Butanone
Concen: 0.361 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

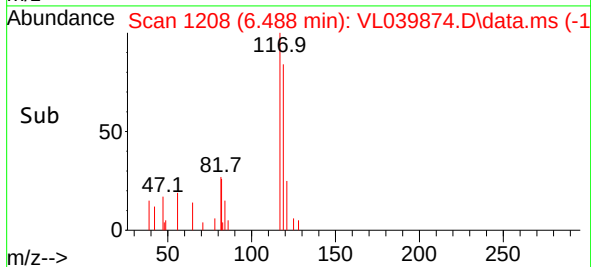
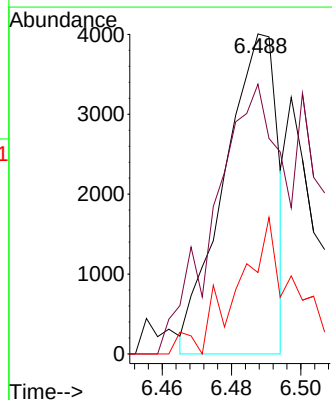
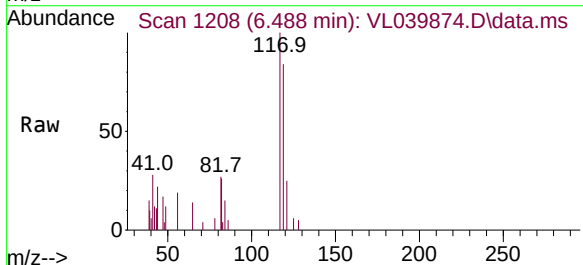
Instrument :
MSVOA_L
ClientSampleId :

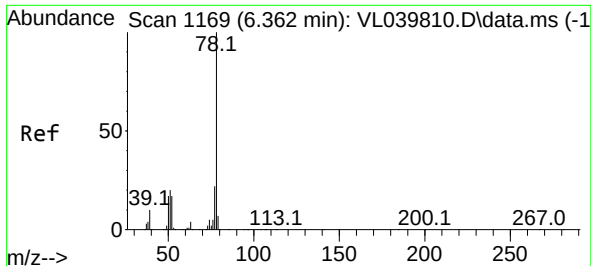
Tgt Ion: 43 Resp: 24909
Ion Ratio Lower Upper
43 100
72 40.7 17.5 26.3#



#35
Carbon Tetrachloride
Concen: 0.044 ppbv
RT: 6.488 min Scan# 1208
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 117 Resp: 4292
Ion Ratio Lower Upper
117 100
119 73.3 76.5 114.7#
121 19.7 25.2 37.8#





#36

Benzene

Concen: 0.202 ppbv

RT: 6.372 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL039874.D

Acq: 10 Nov 2022 21:54

Instrument :

MSVOA_L

ClientSampleId :

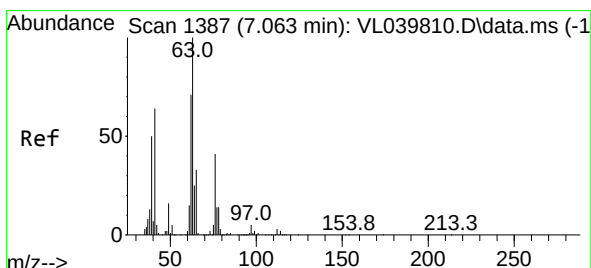
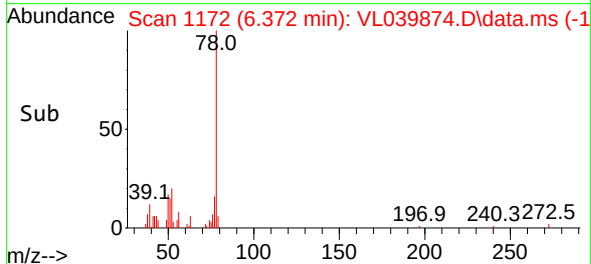
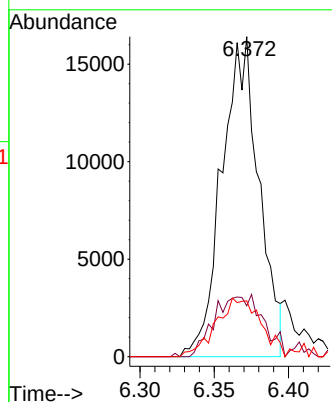
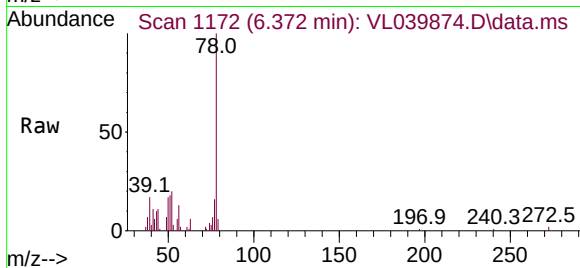
Tgt Ion: 78 Resp: 28454

Ion Ratio Lower Upper

78 100

77 15.9 17.4 26.2#

50 17.5 13.9 20.9



#39

1,2-Dichloropropane

Concen: 9.045 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.415 min

Lab File: VL039874.D

Acq: 10 Nov 2022 21:54

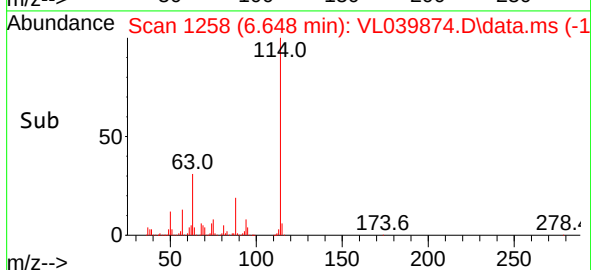
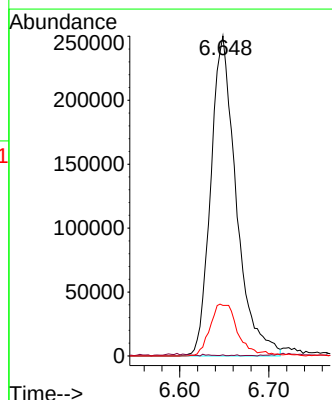
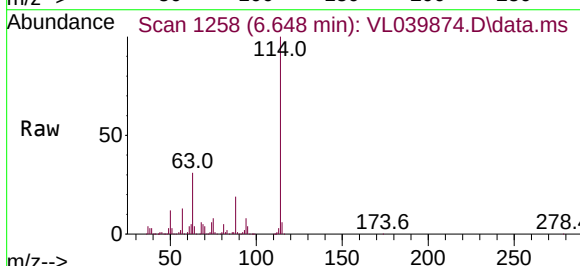
Tgt Ion: 63 Resp: 497358

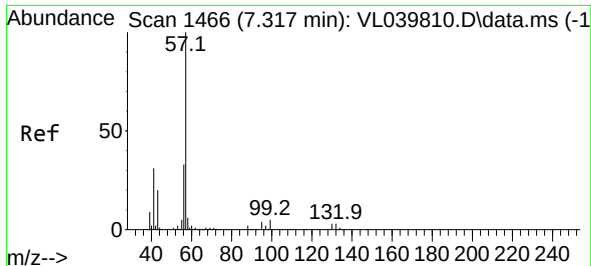
Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 15.8 56.6 85.0#

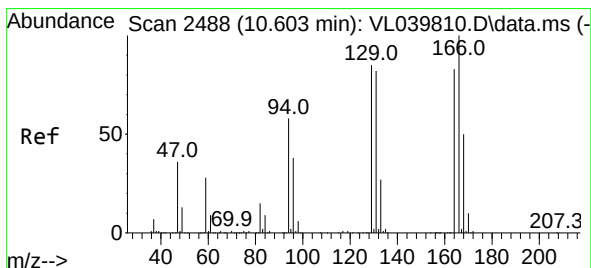
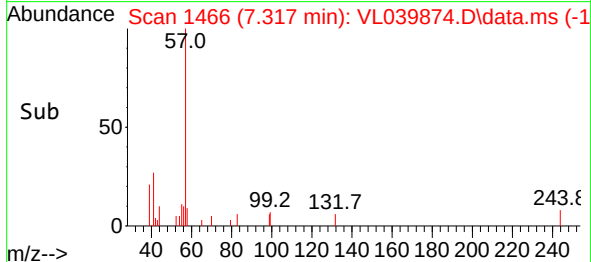
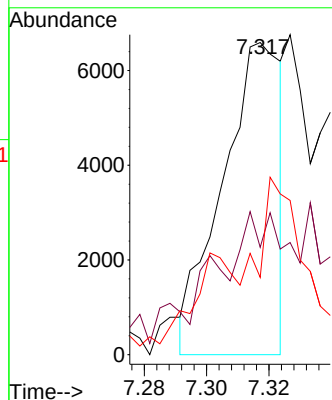
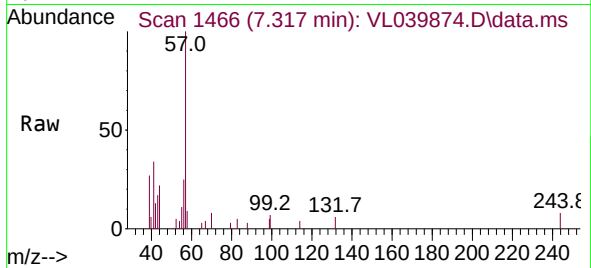




#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

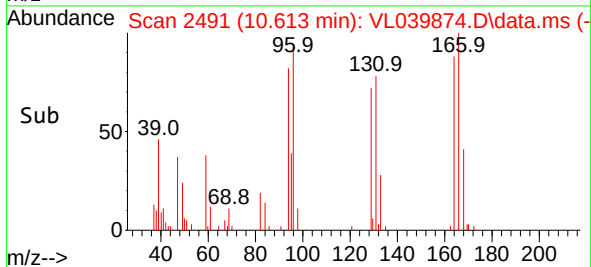
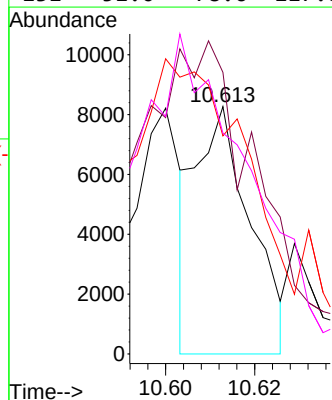
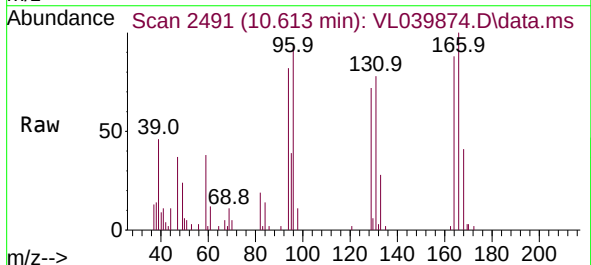
Instrument :
MSVOA_L
ClientSampleId :

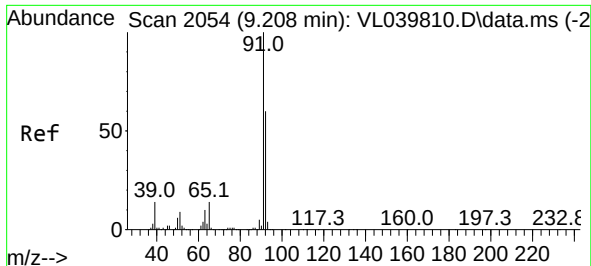
Tgt Ion: 57 Resp: 8569
Ion Ratio Lower Upper
57 100
41 0.0 24.6 36.8#
56 91.0 25.4 38.0#



#52
Tetrachloroethene
Concen: 0.132 ppbv
RT: 10.613 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion:164 Resp: 6995
Ion Ratio Lower Upper
164 100
166 74.2 96.0 144.0#
129 61.0 81.4 122.2#
131 51.0 78.6 117.8#

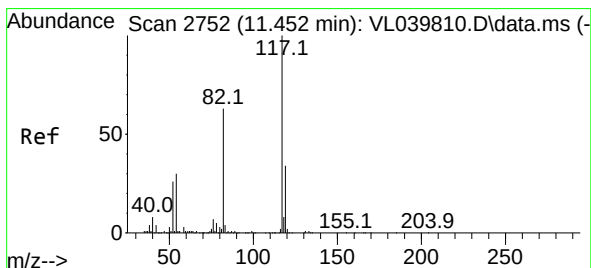
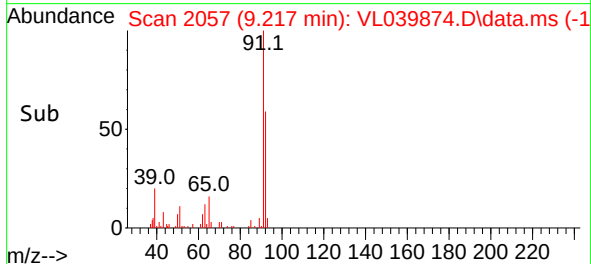
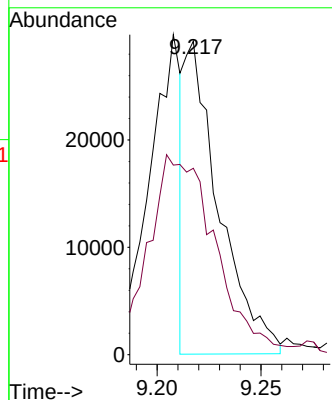
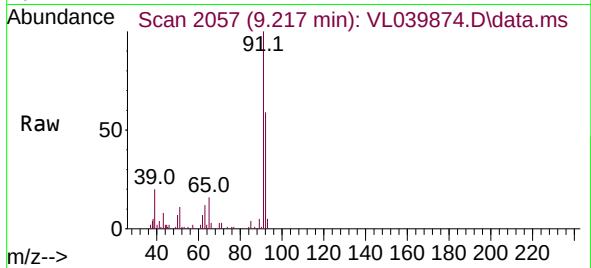




#53
Toluene
Concen: 0.208 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.010 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

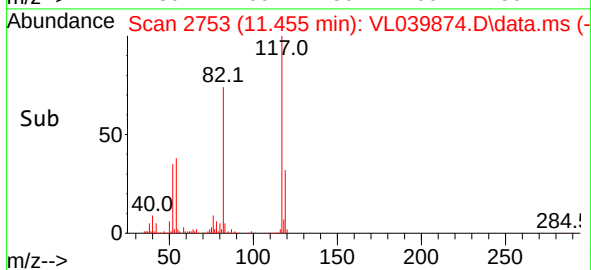
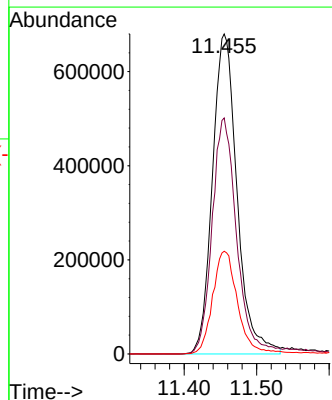
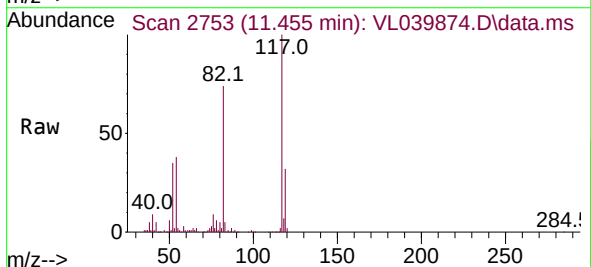
Instrument :
MSVOA_L
ClientSampleId :

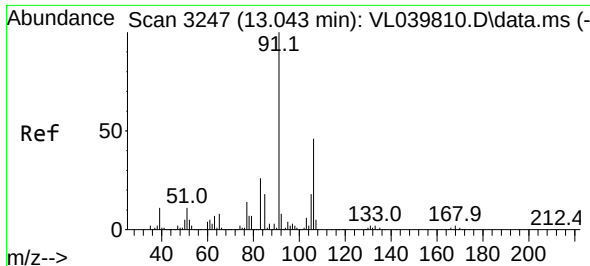
Tgt Ion: 91 Resp: 33625
Ion Ratio Lower Upper
91 100
92 0.0 49.6 74.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 117 Resp: 1604379
Ion Ratio Lower Upper
117 100
82 75.3 51.0 76.6
119 32.9 24.7 37.1

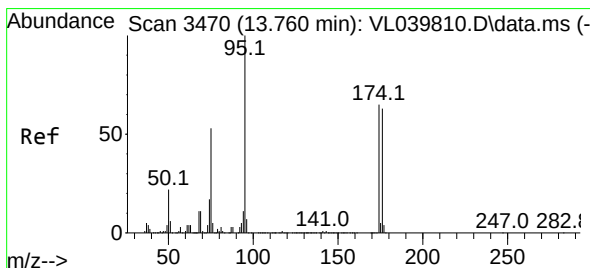
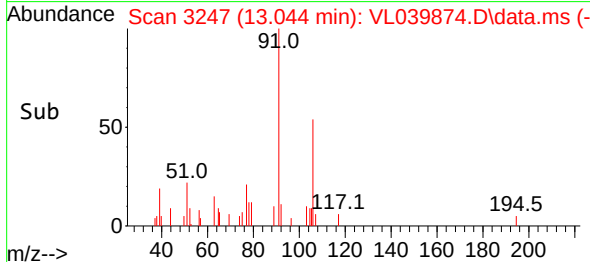
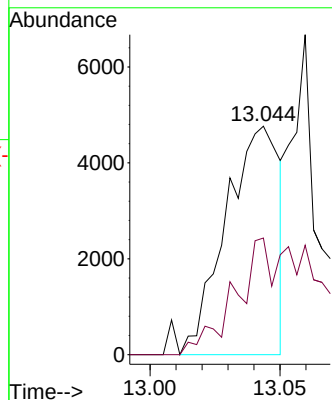
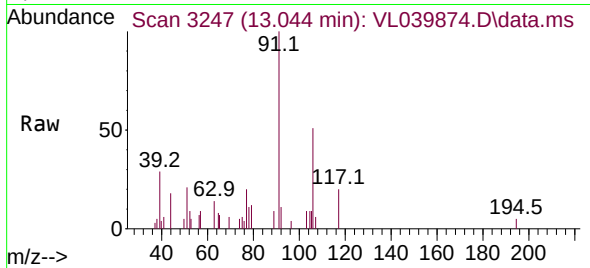




#60
o-Xylene
Concen: 0.040 ppbv
RT: 13.044 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6802
Ion Ratio Lower Upper
91 100
106 74.8 23.6 70.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.976 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.003 min
Lab File: VL039874.D
Acq: 10 Nov 2022 21:54

Tgt Ion: 95 Resp: 1318047
Ion Ratio Lower Upper
95 100
174 57.7 53.4 80.0
175 4.3 4.1 6.1

