

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040195.D
 Acq On : 21 Feb 2023 15:09
 Operator : SY/MD
 Sample : 01626-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-11

Quant Time: Feb 22 03:23:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 22 03:17:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.205	49	876123	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2270222	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2010843	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1620590	9.801	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.652	51	384618	3.675	ppbv #	71
4) Chloromethane	2.813	50	32698	0.497	ppbv	99
7) Chloroethane	3.198	64	1092	0.052	ppbv #	61
8) Dichlorotetrafluoroethane	2.854	85	5923	0.042	ppbv	98
9) Propene	2.697	41	108910	2.553	ppbv	85
10) Heptane	7.603	43	28322	0.279	ppbv	91
11) Trichlorofluoromethane	3.568	101	36980	0.252	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.070	101	11142	0.103	ppbv	99
13) Ethanol	3.237	45	1309886	333.517	ppbv	93
14) Bromoethene	3.369	108	1808	0.044	ppbv #	89
15) Acetone	3.472	43	968309	9.180	ppbv	97
16) 1,3-Butadiene	2.964	39	28103	0.583	ppbv #	80
17) tert-Butyl alcohol	3.578	59	71156	0.740	ppbv	95
18) 1,1-Dichloroethene	3.890	96	1782	0.038	ppbv #	45
19) Isopropyl Alcohol	3.578	45	2003887	39.965	ppbv #	95
20) Methylene Chloride	3.944	84	63573	1.158	ppbv	98
21) Allyl Chloride	3.954	41	1994	0.031	ppbv #	1
23) Vinyl Acetate	4.623	43	44302	1.384	ppbv #	24
25) Ethyl Acetate	5.224	43	116121	0.592	ppbv #	94
26) Hexane	5.227	57	74447	0.884	ppbv #	71
29) Chloroform	5.285	83	9482	0.066	ppbv	85
30) Cyclohexane	6.619	84	3598	0.054	ppbv #	1
34) 2-Butanone	4.803	43	43582	0.389	ppbv #	90
35) Carbon Tetrachloride	6.513	117	5355	0.040	ppbv #	86
36) Benzene	6.388	78	180707	1.023	ppbv	98
39) 1,2-Dichloropropane	6.671	63	558320	8.124	ppbv #	25
44) 2,2,4-Trimethylpentane	7.346	57	111000	0.376	ppbv #	83
53) Toluene	9.243	91	439930	2.325	ppbv	99
57) Chlorobenzene	11.555	112	4504	0.031	ppbv #	77
58) Ethyl Benzene	12.118	91	42952	0.176	ppbv	91
59) m/p-Xylene	12.391	91	74376	0.344	ppbv #	33
60) o-Xylene	13.089	91	38460	0.185	ppbv #	18
61) Styrene	12.931	104	5274	0.048	ppbv #	27
66) Benzyl Chloride	16.359	91	575	0.033	ppbv #	67
69) p-Isopropyltoluene	17.021	119	21524	0.073	ppbv #	47
72) 4-Ethyltoluene	15.227	105	19184	0.083	ppbv #	55
74) 1,2,4-Trimethylbenzene	16.137	105	81381	0.346	ppbv #	72
77) 1,2-Dichlorobenzene	17.178	146	5008	0.039	ppbv #	43
80) Naphthalene,2-methyl-	24.413	142	16555	0.440	ppbv	99
81) 1,2,4-Trichlorobenzene	21.172	180	3691	0.045	ppbv #	1

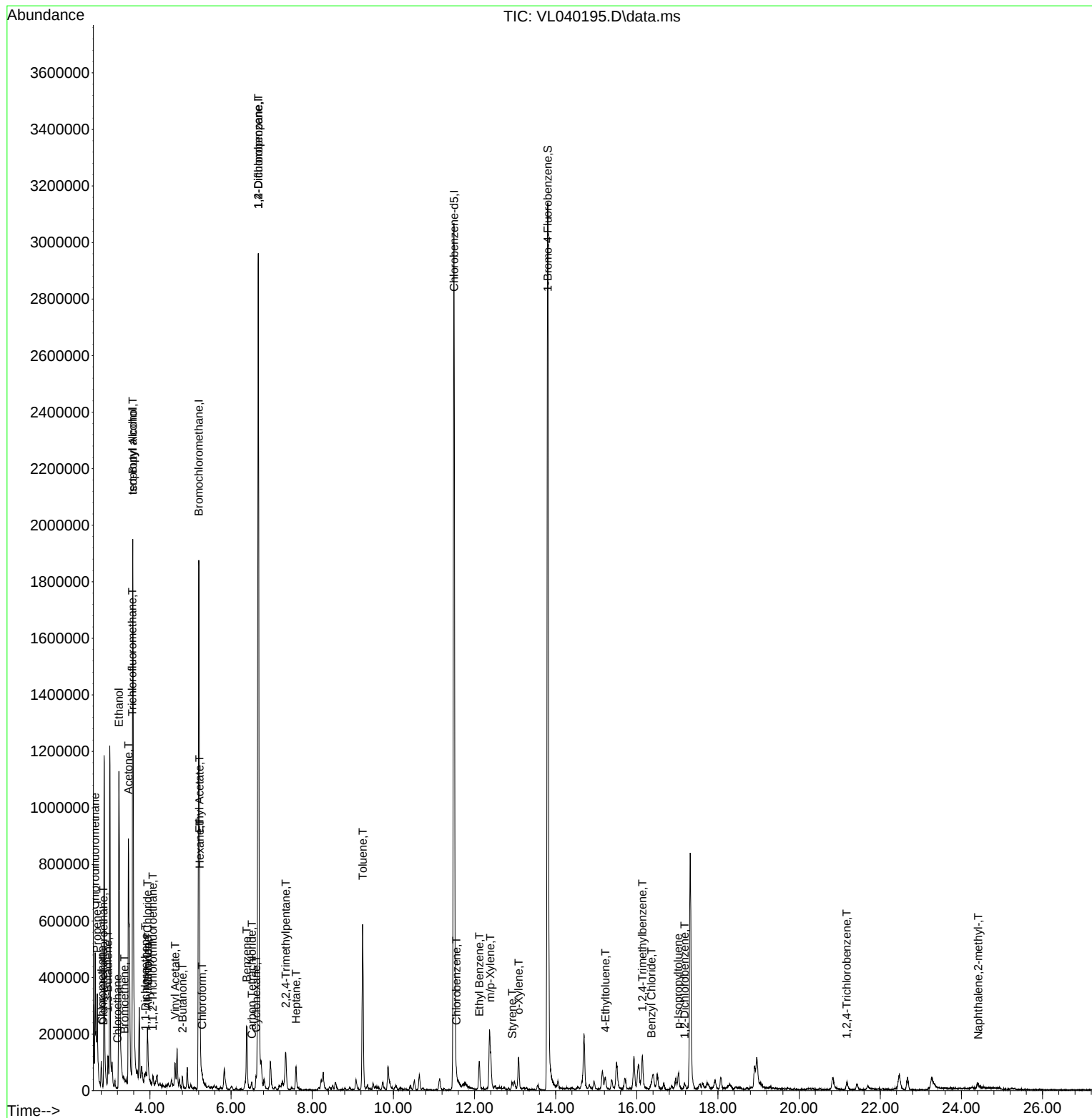
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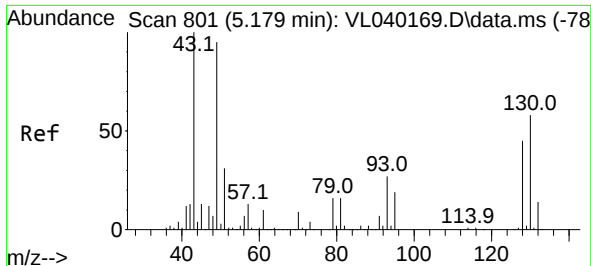
Instrument :
MSVOA_L
ClientSampleId :
IA-11

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QLast Update : Wed Feb 22 03:17:31 2023
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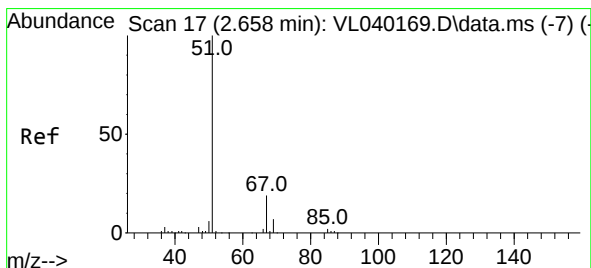
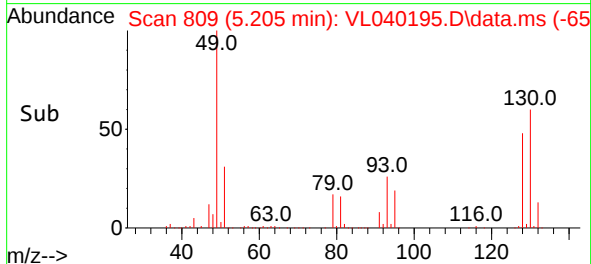
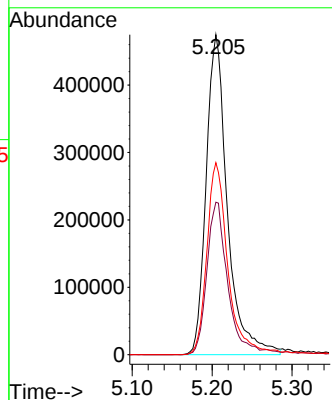
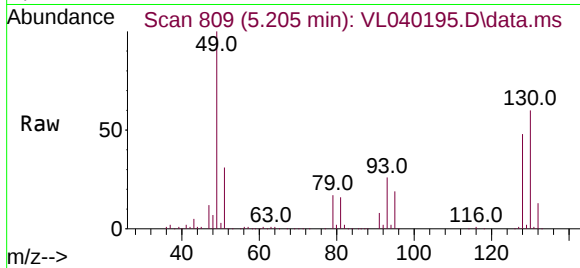




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

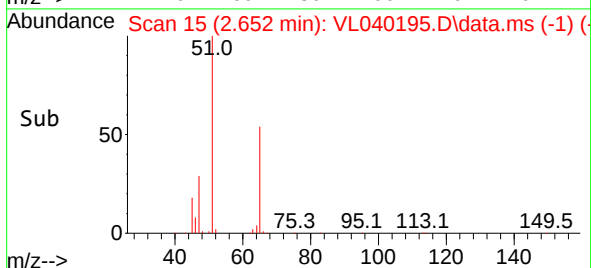
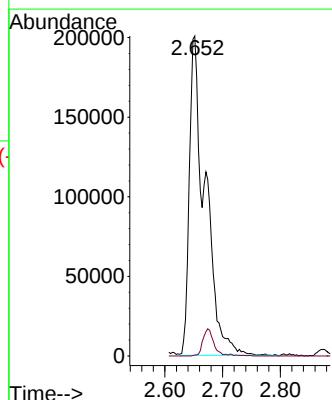
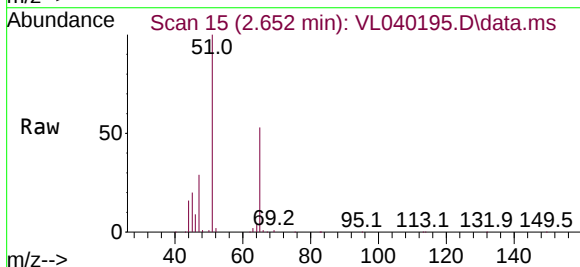
Instrument :
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ClientSampleId :
IA-11

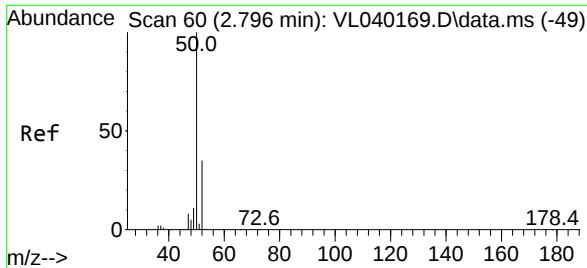
Tgt Ion: 49 Resp: 876123
Ion Ratio Lower Upper
49 100
128 48.4 24.1 72.3
130 61.3 30.9 92.8



#3
Chlorodifluoromethane
Concen: 3.675 ppbv
RT: 2.652 min Scan# 15
Delta R.T. -0.022 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 51 Resp: 384618
Ion Ratio Lower Upper
51 100
67 6.0 15.4 23.2#

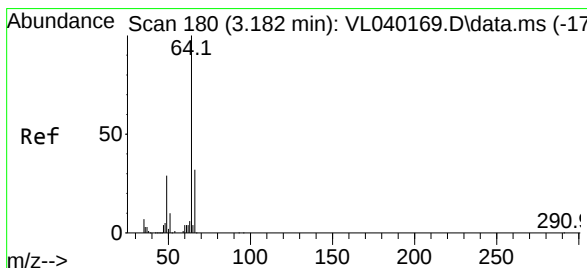
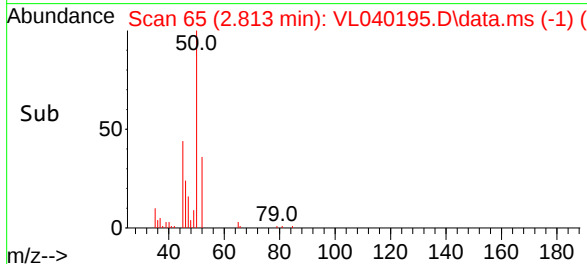
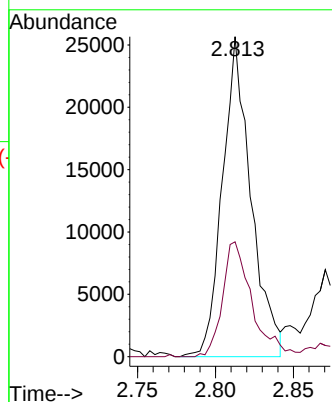
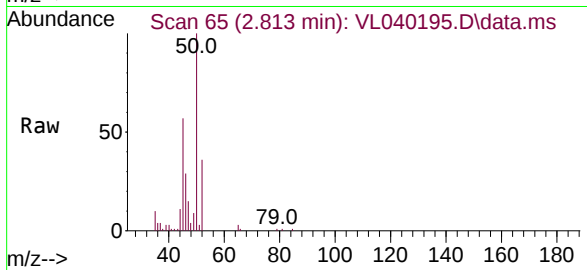




#4
Chloromethane
Concen: 0.497 ppbv
RT: 2.813 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

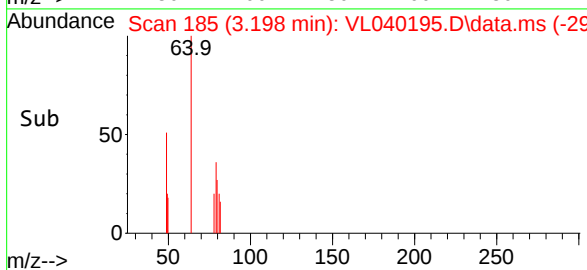
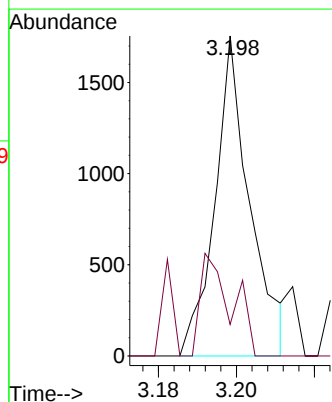
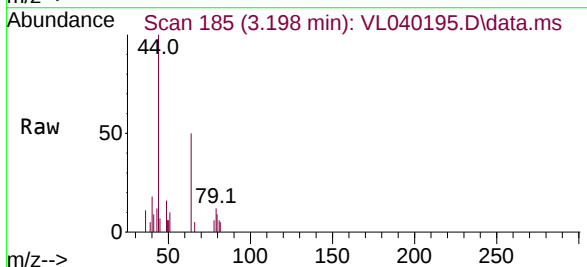
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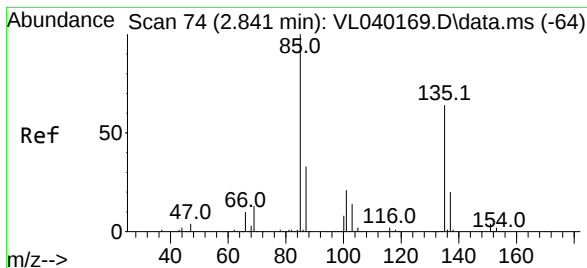
Tgt Ion: 50 Resp: 32698
Ion Ratio Lower Upper
50 100
52 35.9 28.3 42.5



#7
Chloroethane
Concen: 0.052 ppbv
RT: 3.198 min Scan# 185
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 64 Resp: 1092
Ion Ratio Lower Upper
64 100
66 9.9 25.4 38.2#

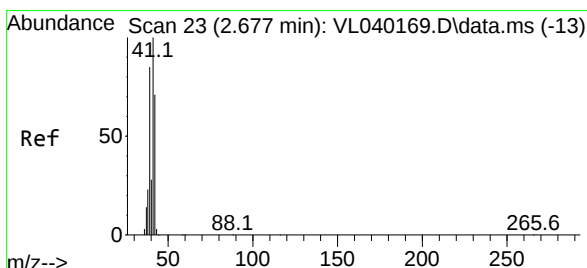
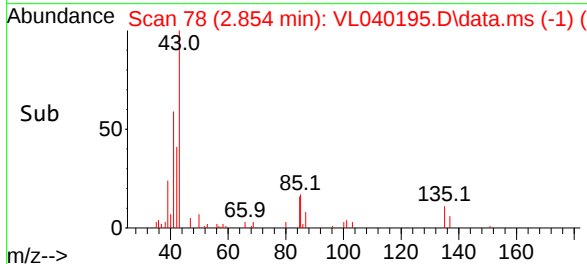
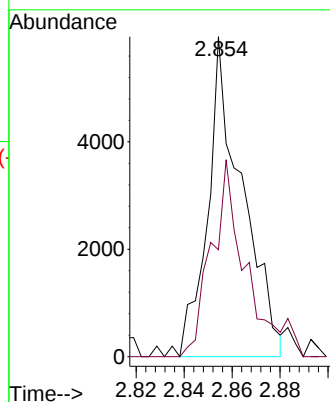
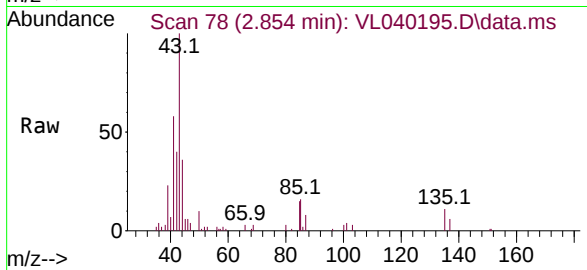




#8
 Dichlorotetrafluoroethane
 Concen: 0.042 ppbv
 RT: 2.854 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

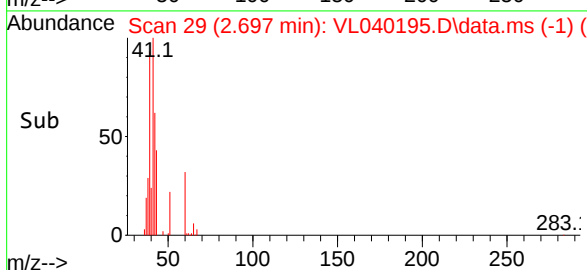
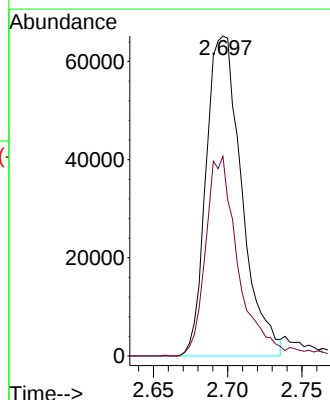
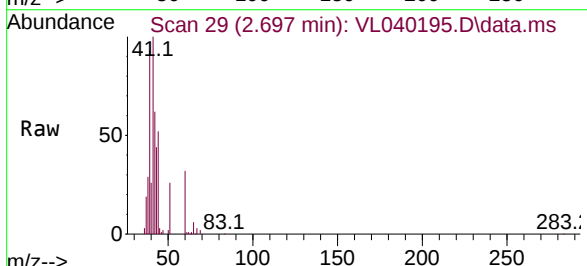
Instrument :
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 ClientSampleId :
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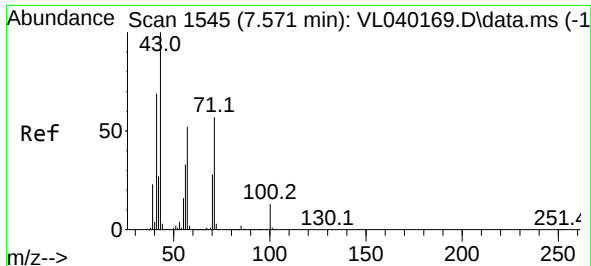
Tgt Ion: 85 Resp: 5923
 Ion Ratio Lower Upper
 85 100
 135 63.0 51.5 77.3



#9
 Propene
 Concen: 2.553 ppbv
 RT: 2.697 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

Tgt Ion: 41 Resp: 108910
 Ion Ratio Lower Upper
 41 100
 42 58.8 56.9 85.3

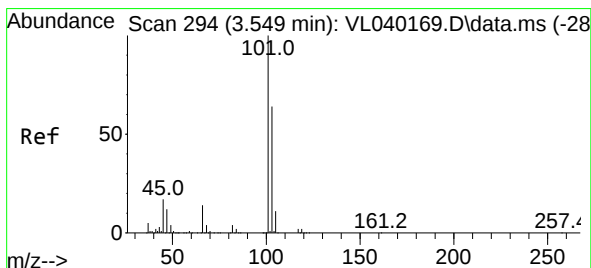
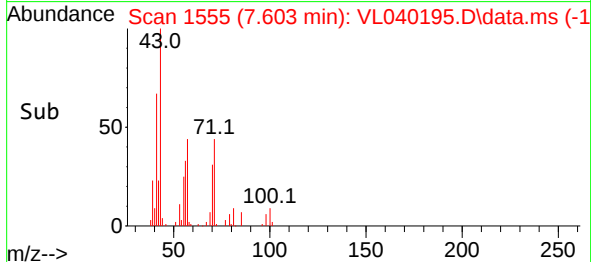
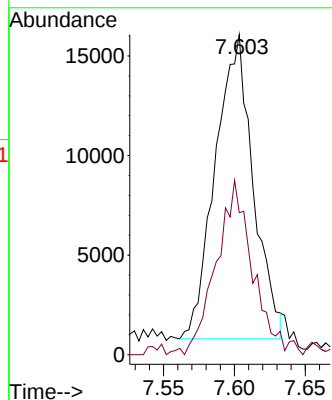
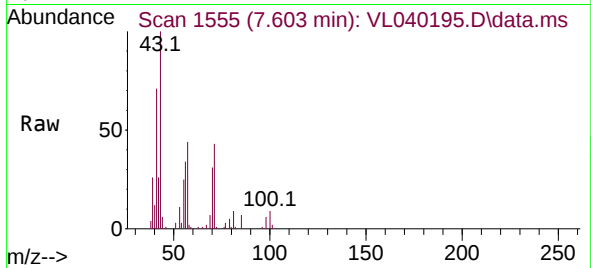




#10
 Heptane
 Concen: 0.279 ppbv
 RT: 7.603 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

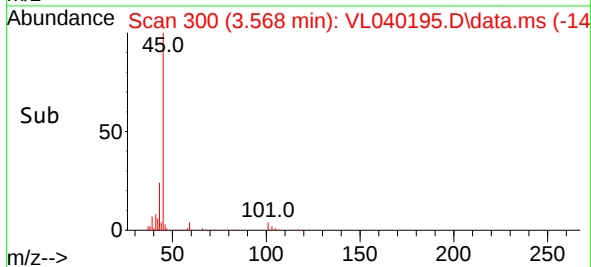
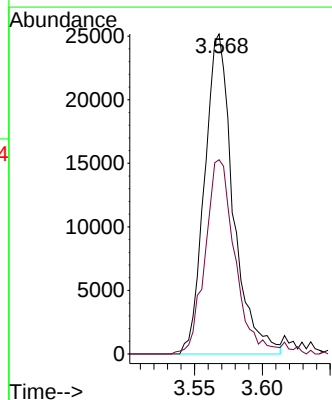
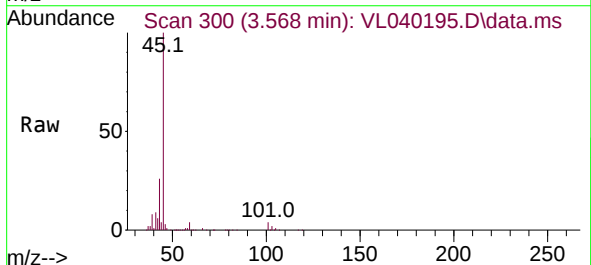
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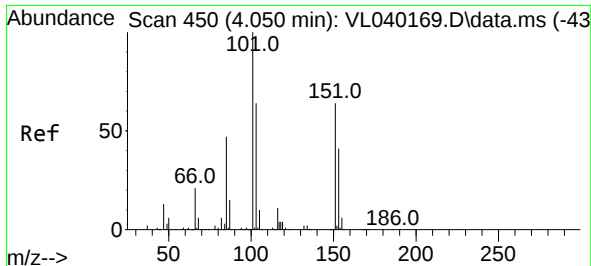
Tgt Ion: 43 Resp: 28322
 Ion Ratio Lower Upper
 43 100
 57 58.4 41.4 62.2



#11
 Trichlorofluoromethane
 Concen: 0.252 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

Tgt Ion:101 Resp: 36980
 Ion Ratio Lower Upper
 101 100
 103 59.8 51.0 76.6

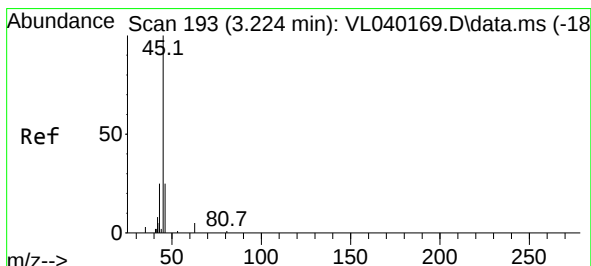
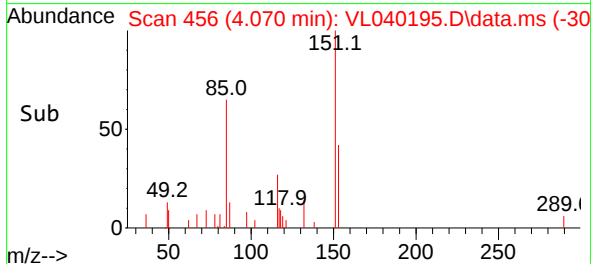
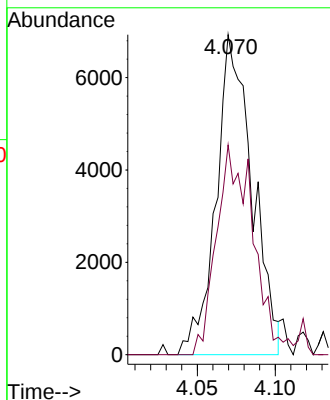
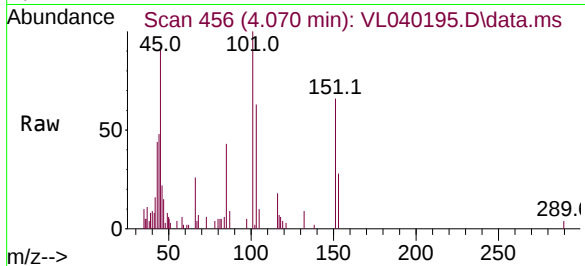




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.103 ppbv
RT: 4.070 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

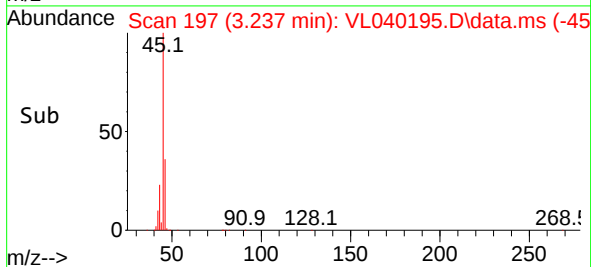
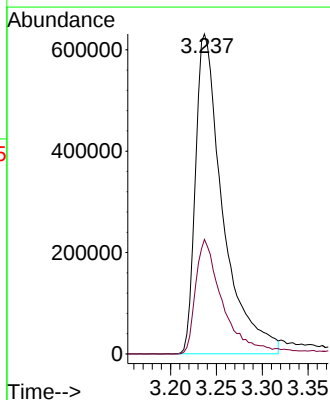
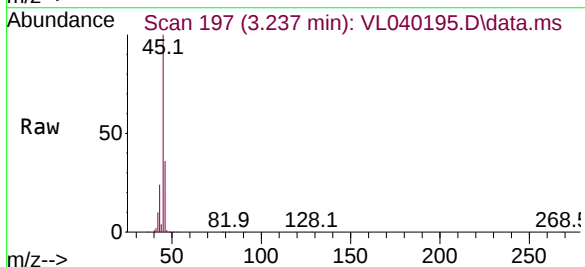
Instrument :
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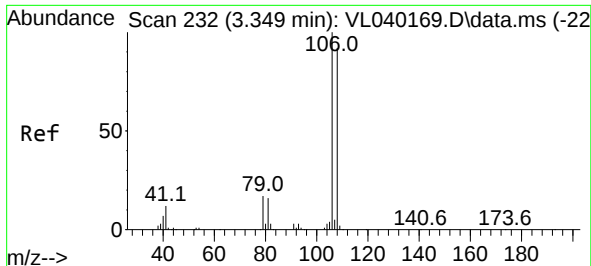
Tgt Ion:101 Resp: 11142
Ion Ratio Lower Upper
101 100
151 69.0 54.7 82.1



#13
Ethanol
Concen: 333.517 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.013 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 45 Resp: 1309886
Ion Ratio Lower Upper
45 100
46 36.9 13.3 53.1

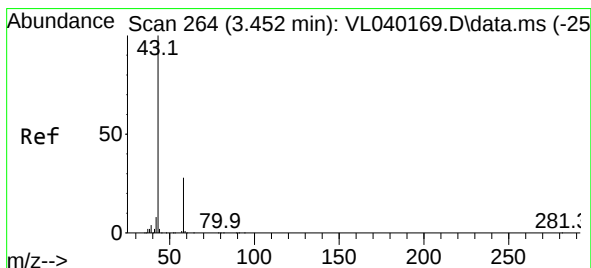
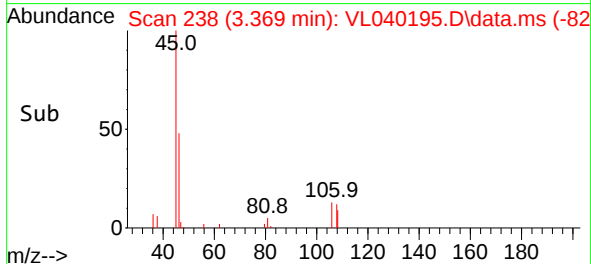
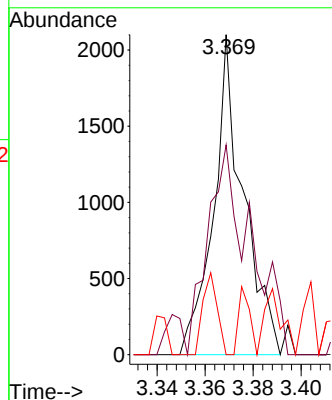
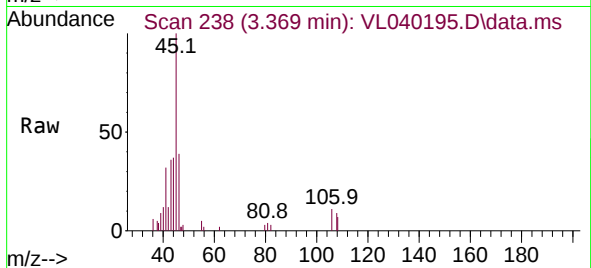




#14
Bromoethene
Concen: 0.044 ppbv
RT: 3.369 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

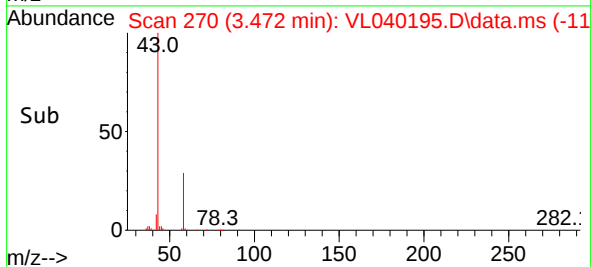
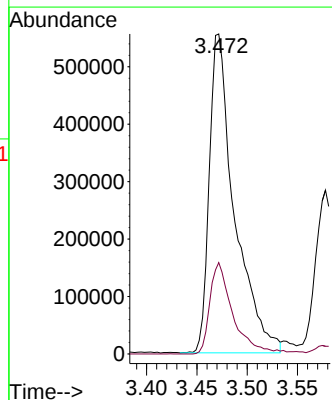
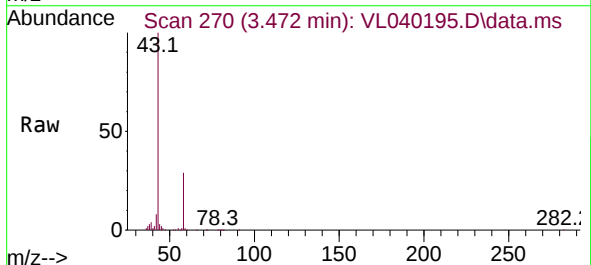
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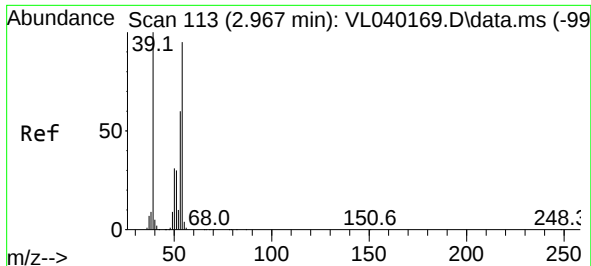
Tgt Ion:108 Resp: 1808
Ion Ratio Lower Upper
108 100
106 101.1 87.1 130.7
79 32.4 15.4 23.2#



#15
Acetone
Concen: 9.180 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 43 Resp: 968309
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6

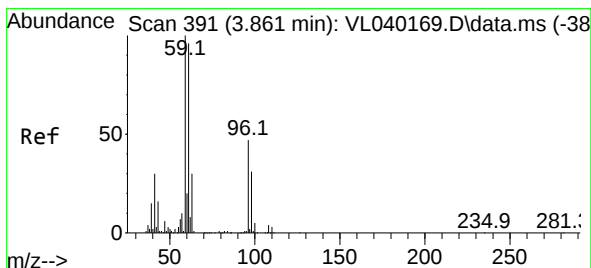
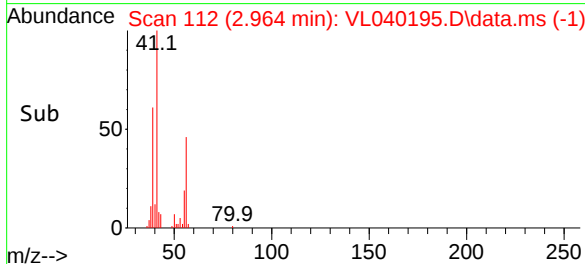
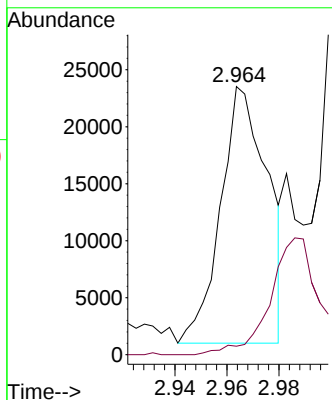
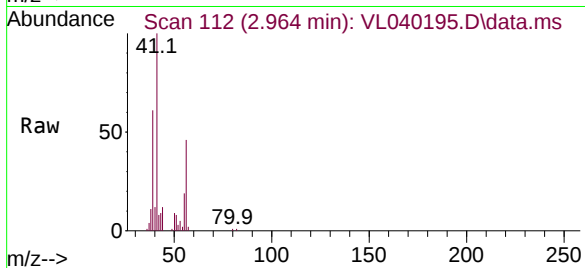




#16
1,3-Butadiene
Concen: 0.583 ppbv
RT: 2.964 min Scan# 113
Delta R.T. -0.022 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

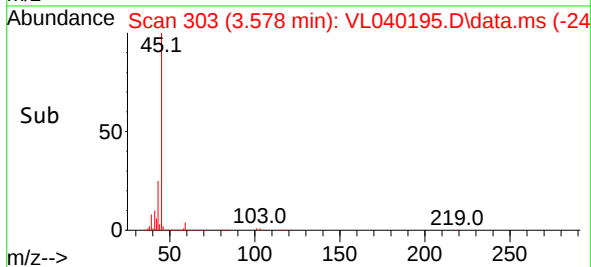
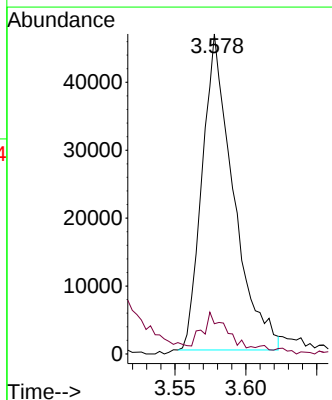
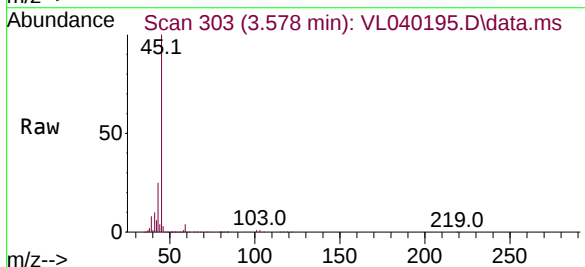
Instrument :
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ClientSampleId :
IA-11

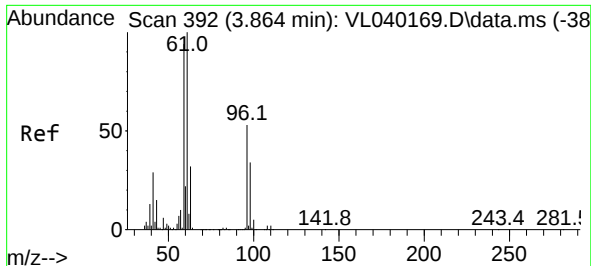
Tgt Ion: 39 Resp: 28103
Ion Ratio Lower Upper
39 100
54 65.6 66.7 100.1#



#17
tert-Butyl alcohol
Concen: 0.740 ppbv
RT: 3.578 min Scan# 303
Delta R.T. -0.309 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 59 Resp: 71156
Ion Ratio Lower Upper
59 100
57 12.4 8.5 12.7





#18

1,1-Dichloroethene

Concen: 0.038 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Instrument :

MSVOA_L

ClientSampleId :

IA-11

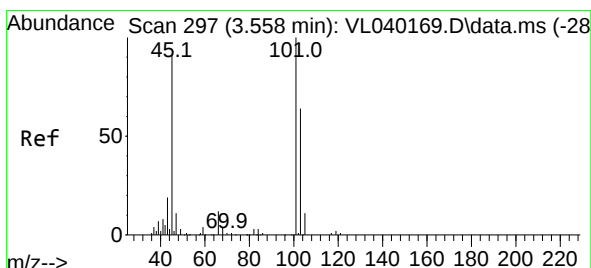
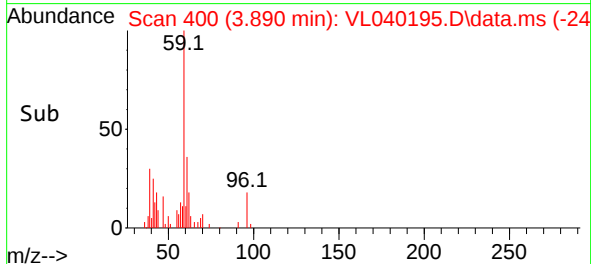
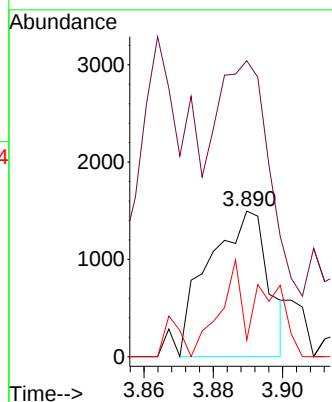
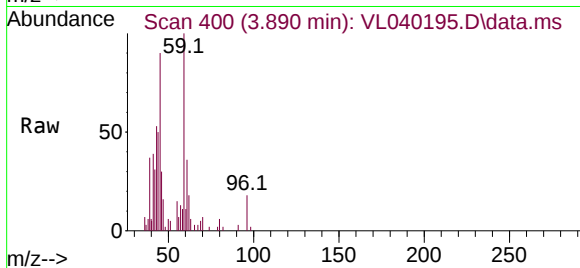
Tgt Ion: 96 Resp: 1782

Ion Ratio Lower Upper

96 100

61 120.6 149.6 224.4#

98 0.0 51.1 76.7#



#19

Isopropyl Alcohol

Concen: 39.965 ppbv

RT: 3.578 min Scan# 303

Delta R.T. -0.003 min

Lab File: VL040195.D

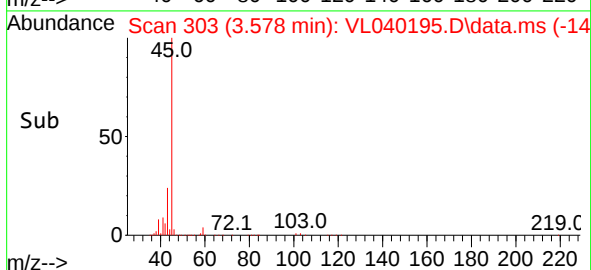
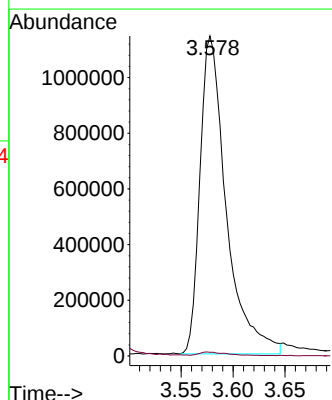
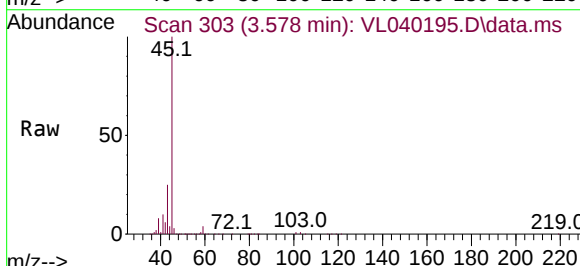
Acq: 21 Feb 2023 15:09

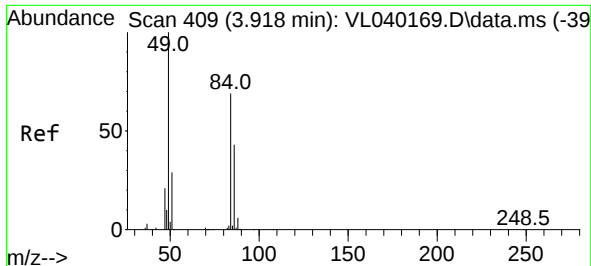
Tgt Ion: 45 Resp: 2003887

Ion Ratio Lower Upper

45 100

58 1.6 2.6 3.8#



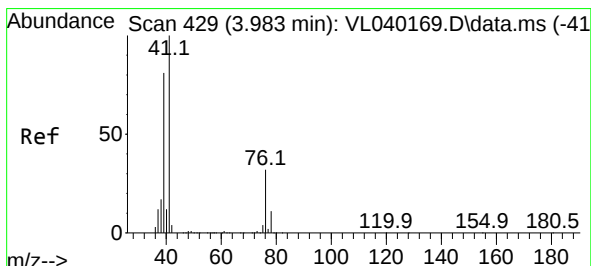
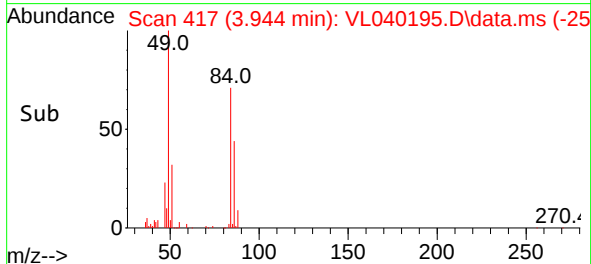
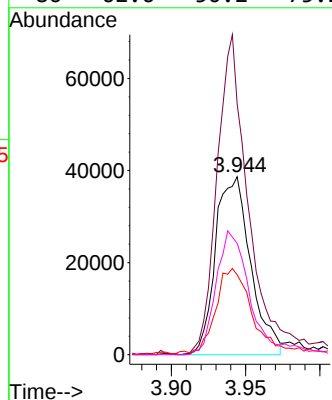
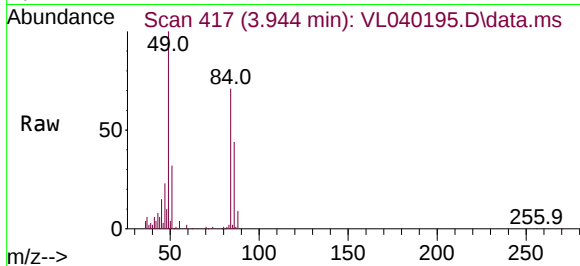


#20
Methylene Chloride
Concen: 1.158 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.006 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Instrument :
MSVOA_L
ClientSampleId :
IA-11

Tgt Ion: 84 Resp: 63573

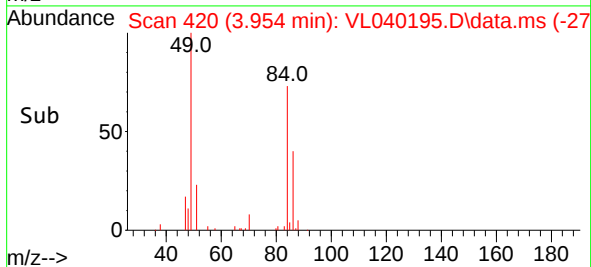
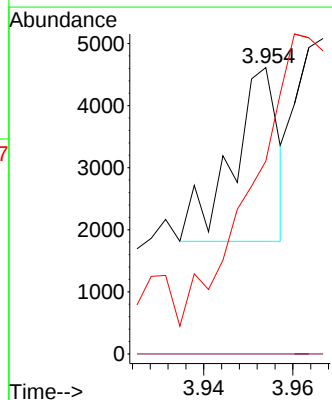
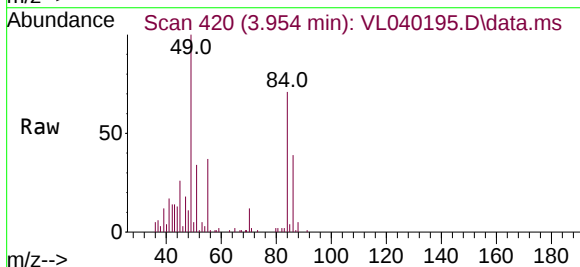
Ion	Ratio	Lower	Upper
84	100		
49	140.9	115.5	173.3
51	43.2	33.1	49.7
86	62.6	50.2	75.2

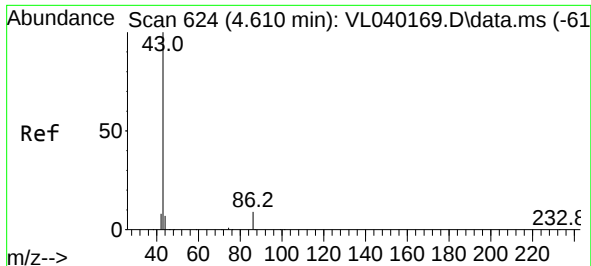


#21
Allyl Chloride
Concen: 0.031 ppbv
RT: 3.954 min Scan# 420
Delta R.T. -0.048 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 41 Resp: 1994

Ion	Ratio	Lower	Upper
41	100		
76	39.6	25.5	38.3#
39	355.4	64.5	96.7#



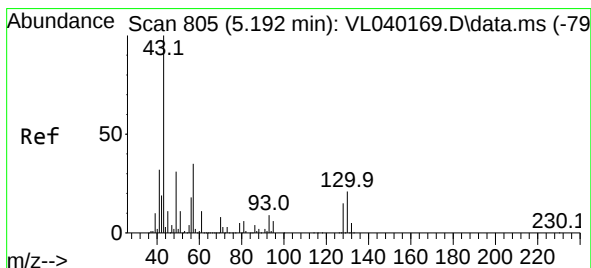
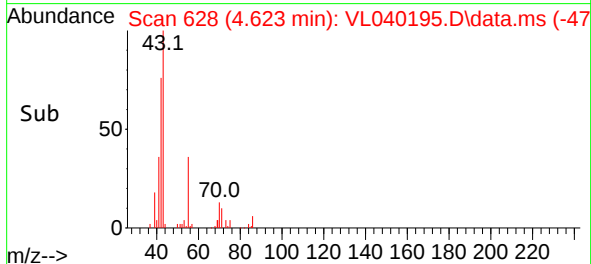
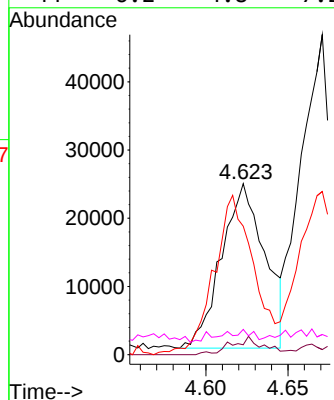
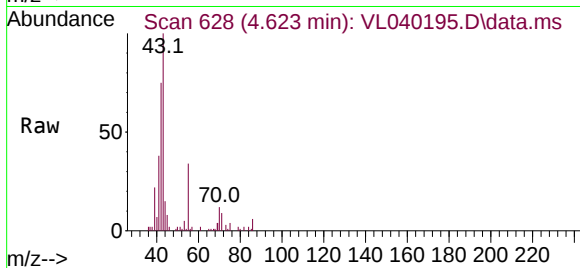


#23
 Vinyl Acetate
 Concen: 1.384 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-11

Tgt Ion: 43 Resp: 44302

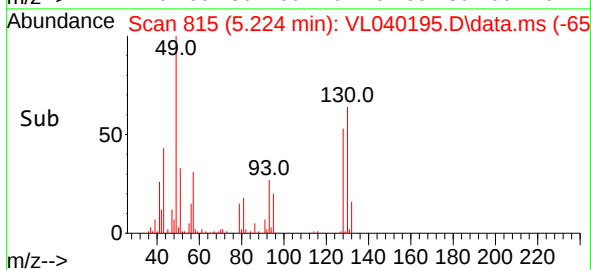
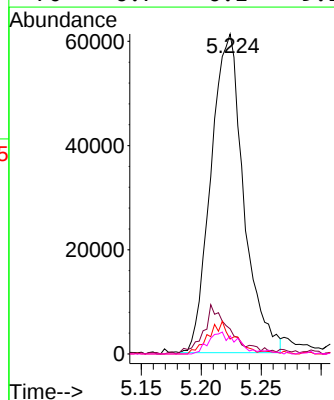
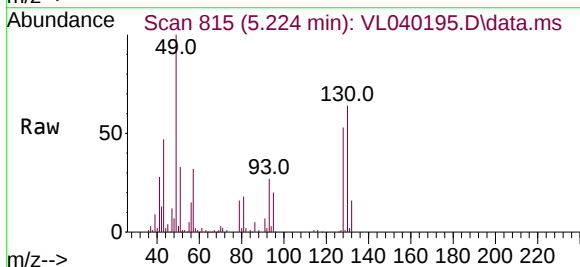
Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.6	8.4
42	74.1	7.6	11.4#
44	6.2	4.8	7.2

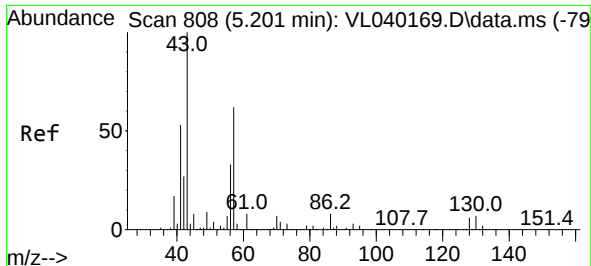


#25
 Ethyl Acetate
 Concen: 0.592 ppbv
 RT: 5.224 min Scan# 815
 Delta R.T. 0.006 min
 Lab File: VL040195.D
 Acq: 21 Feb 2023 15:09

Tgt Ion: 43 Resp: 116121

Ion	Ratio	Lower	Upper
43	100		
45	13.8	8.3	12.5#
61	8.7	8.4	12.6
70	6.7	6.1	9.1

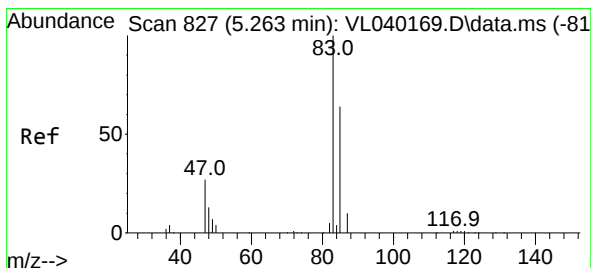
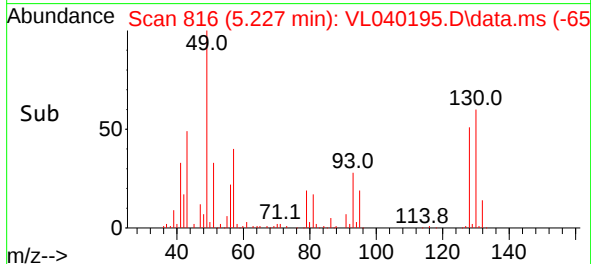
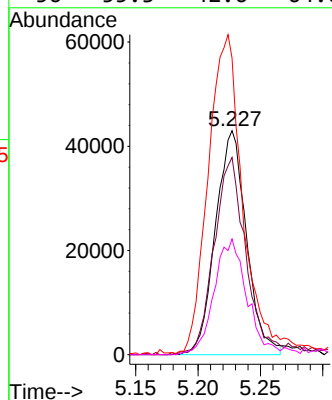
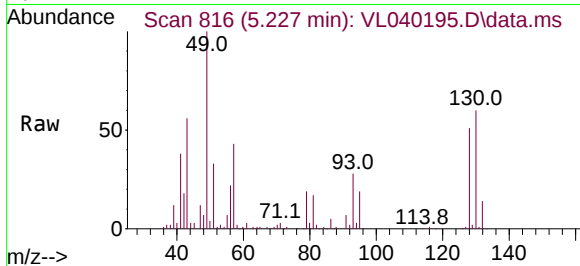




#26
Hexane
Concen: 0.884 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

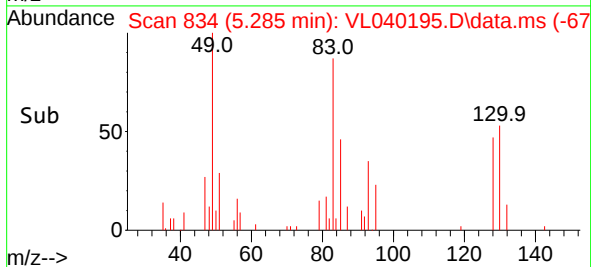
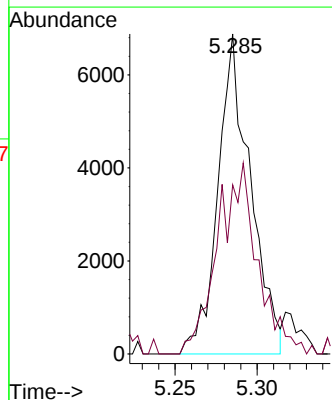
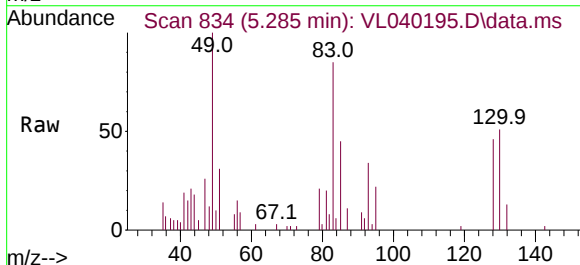
Instrument :
MSVOA_L
ClientSampleId :
IA-11

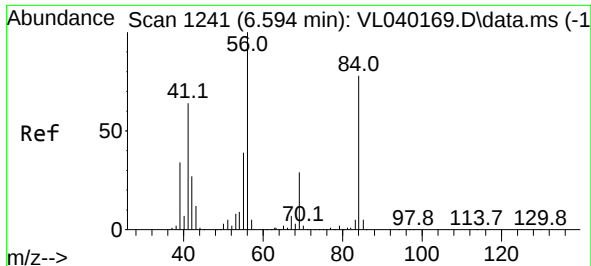
Tgt Ion: 57 Resp: 74447
Ion Ratio Lower Upper
57 100
41 93.5 74.3 111.5
43 163.5 193.0 289.4#
56 55.3 42.6 64.0



#29
Chloroform
Concen: 0.066 ppbv
RT: 5.285 min Scan# 834
Delta R.T. -0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 83 Resp: 9482
Ion Ratio Lower Upper
83 100
85 52.9 51.5 77.3

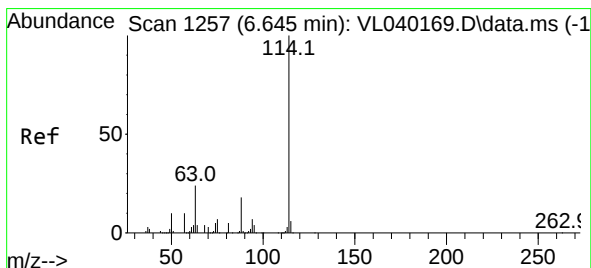
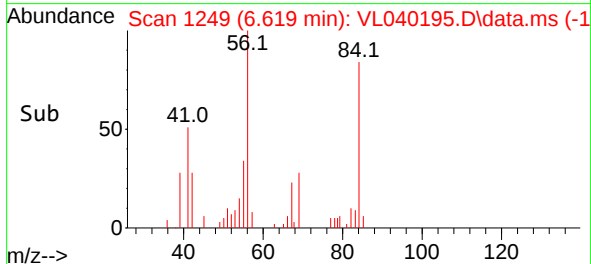
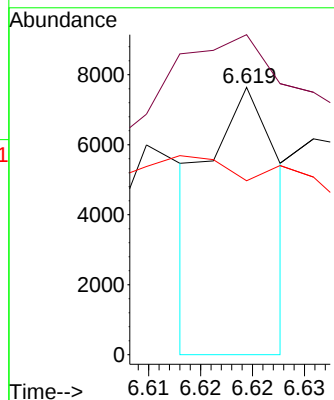
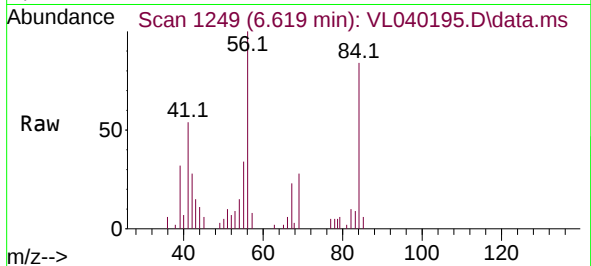




#30
Cyclohexane
Concen: 0.054 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

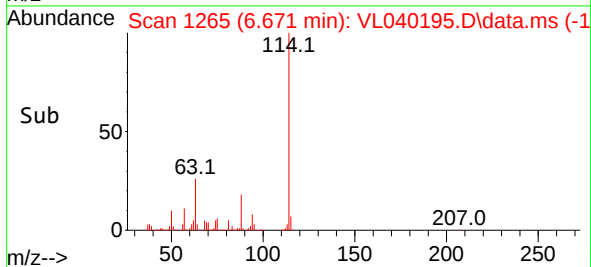
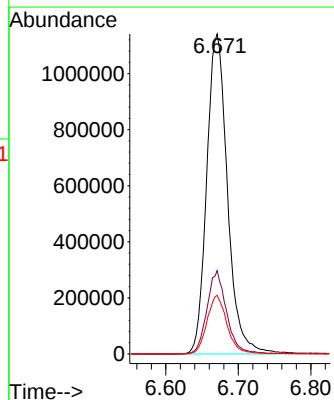
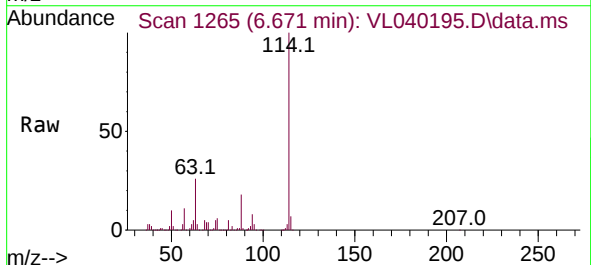
Instrument :
MSVOA_L
ClientSampleId :
IA-11

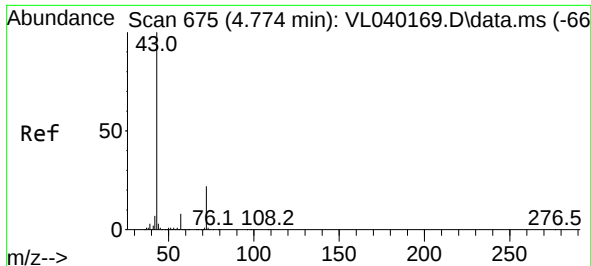
Tgt Ion: 84 Resp: 3598
Ion Ratio Lower Upper
84 100
56 474.5 109.9 164.9#
41 0.0 67.8 101.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. -0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 114 Resp: 2270222
Ion Ratio Lower Upper
114 100
63 24.8 20.4 30.6
88 17.8 14.3 21.5

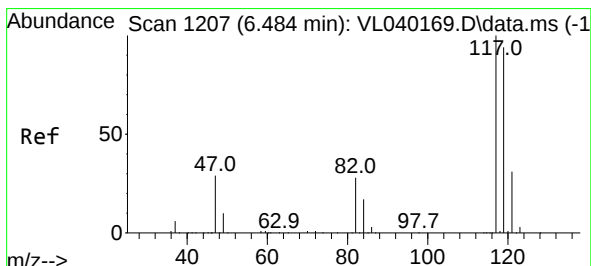
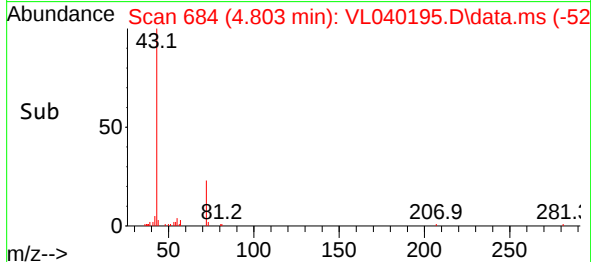
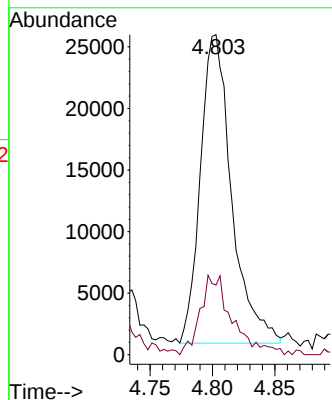
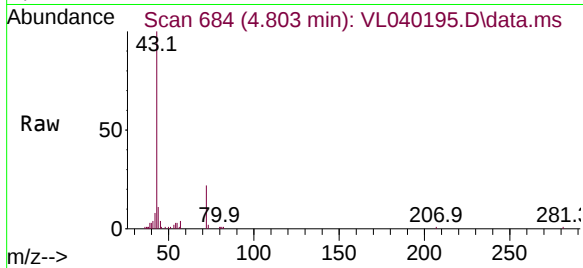




#34
2-Butanone
Concen: 0.389 ppbv
RT: 4.803 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

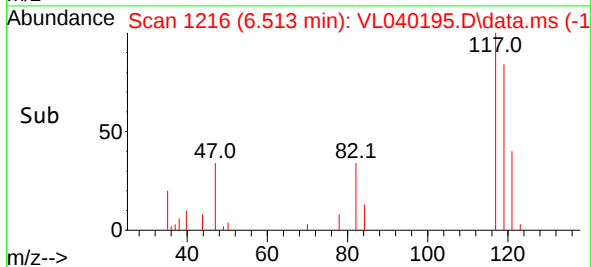
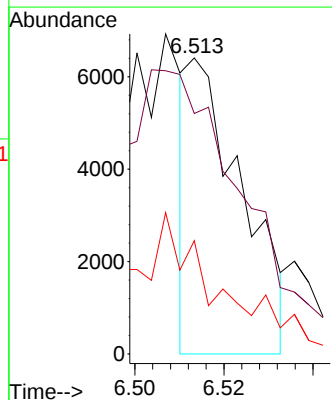
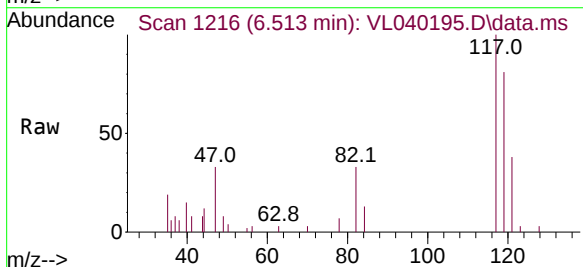
Instrument :
MSVOA_L
ClientSampleId :
IA-11

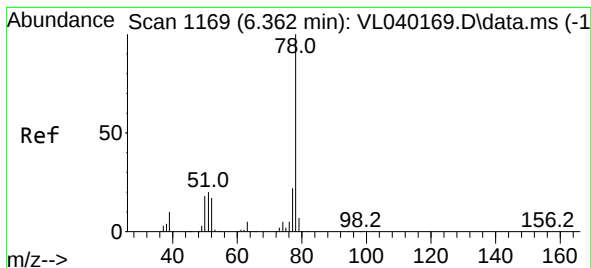
Tgt Ion: 43 Resp: 43582
Ion Ratio Lower Upper
43 100
72 27.3 17.8 26.8#



#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 6.513 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 117 Resp: 5355
Ion Ratio Lower Upper
117 100
119 81.1 75.0 112.6
121 40.6 25.0 37.4#





#36

Benzene

Concen: 1.023 ppbv

RT: 6.388 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Instrument :

MSVOA_L

ClientSampleId :

IA-11

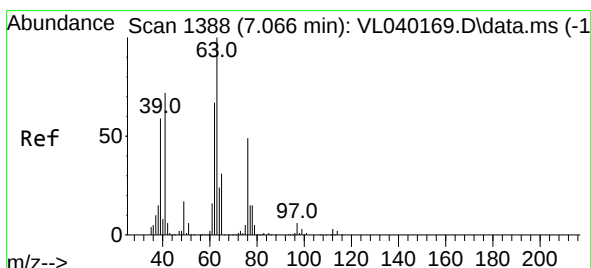
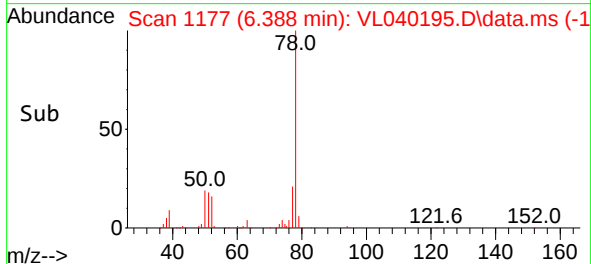
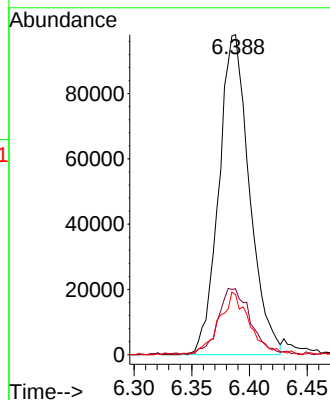
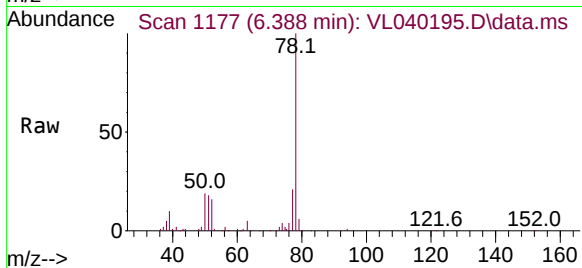
Tgt Ion: 78 Resp: 180707

Ion Ratio Lower Upper

78 100

77 20.4 17.5 26.3

50 18.8 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.124 ppbv

RT: 6.671 min Scan# 1265

Delta R.T. -0.424 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

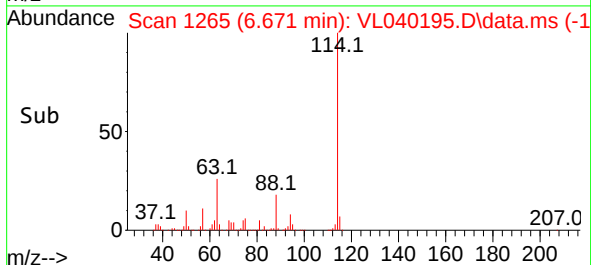
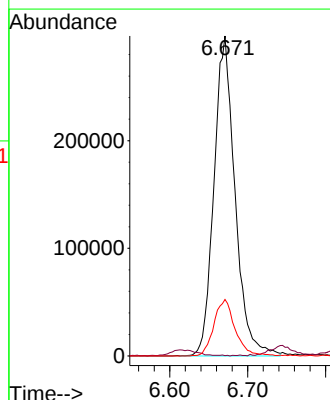
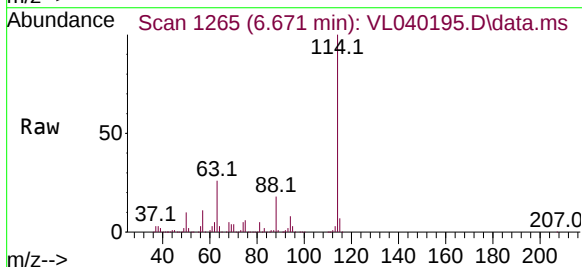
Tgt Ion: 63 Resp: 558320

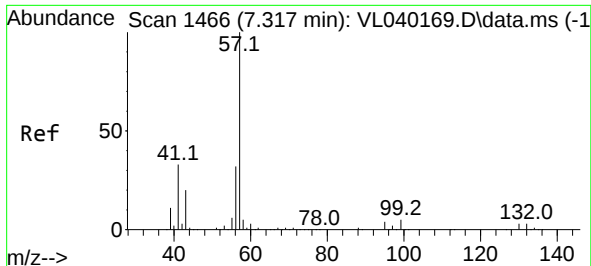
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.7 54.0 81.0#

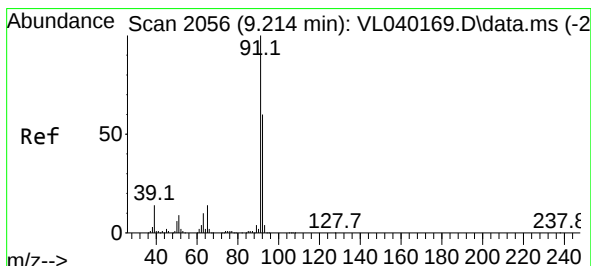
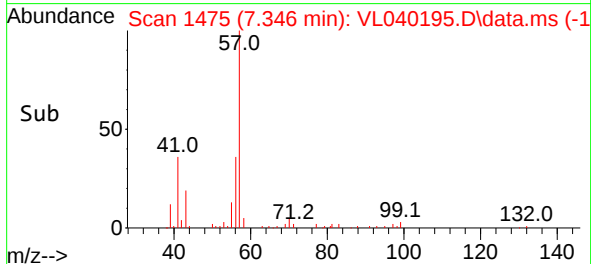
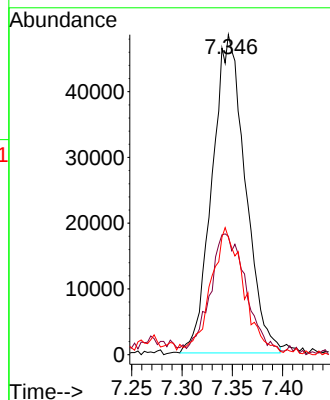
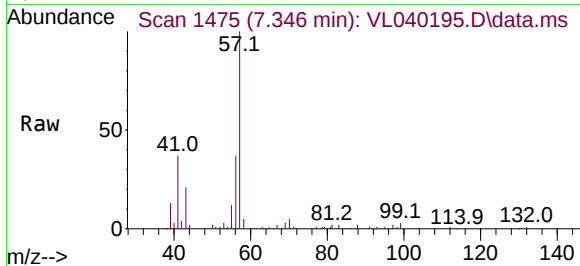




#44
2,2,4-Trimethylpentane
Concen: 0.376 ppbv
RT: 7.346 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

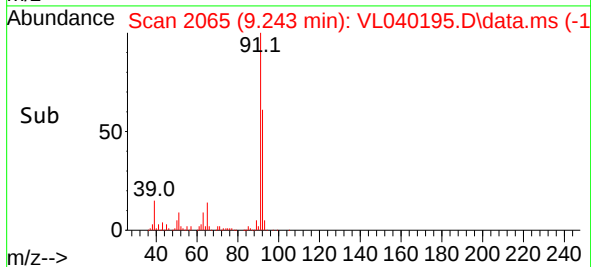
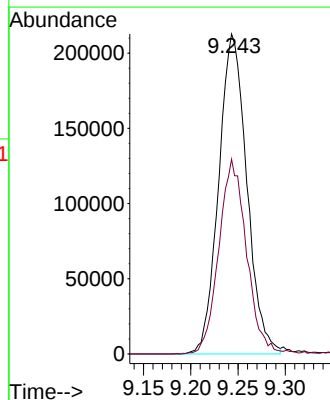
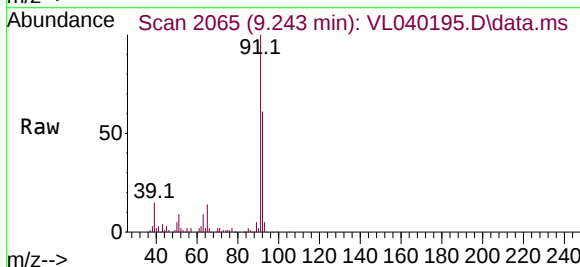
Instrument :
MSVOA_1
ClientSampleId :
IA-11

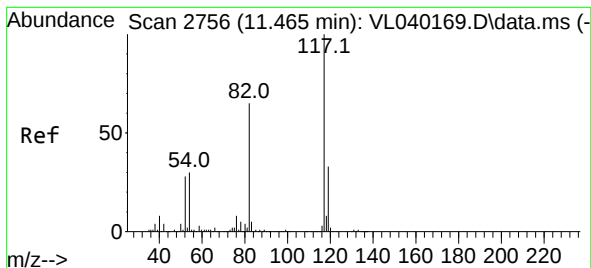
Tgt Ion: 57 Resp: 111000
Ion Ratio Lower Upper
57 100
41 41.9 26.2 39.4#
56 41.3 24.9 37.3#



#53
Toluene
Concen: 2.325 ppbv
RT: 9.243 min Scan# 2065
Delta R.T. -0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 91 Resp: 439930
Ion Ratio Lower Upper
91 100
92 60.4 48.9 73.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.494 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Instrument :

MSVOA_1

ClientSampleId :

IA-11

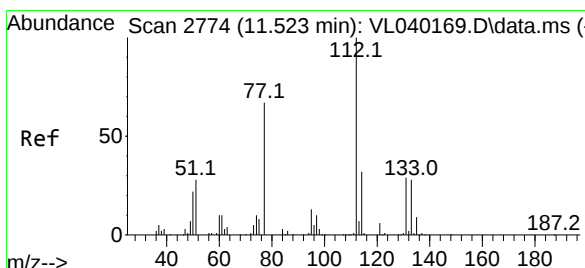
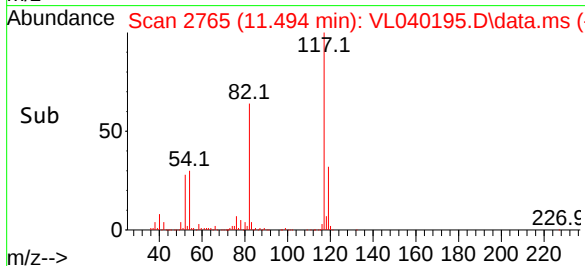
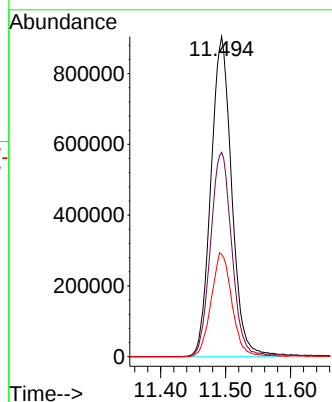
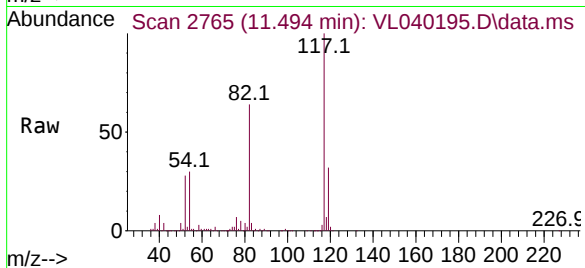
Tgt Ion:117 Resp: 2010843

Ion Ratio Lower Upper

117 100

82 66.6 53.3 79.9

119 32.7 24.6 37.0



#57

Chlorobenzene

Concen: 0.031 ppbv

RT: 11.555 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

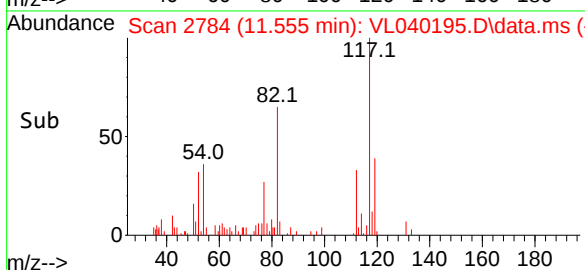
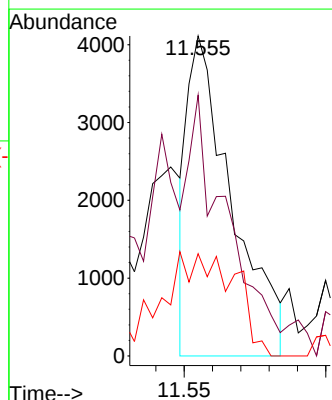
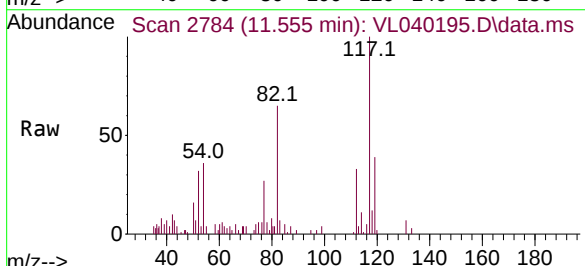
Tgt Ion:112 Resp: 4504

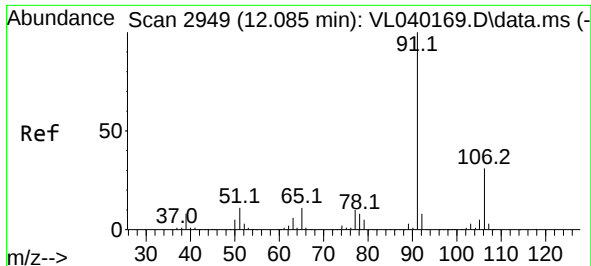
Ion Ratio Lower Upper

112 100

77 88.9 55.0 82.4#

114 43.5 29.0 35.4#

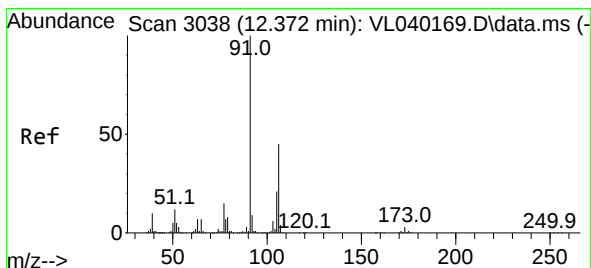
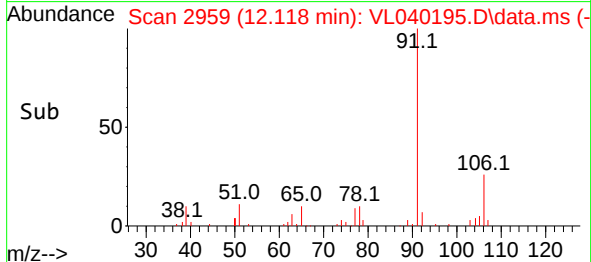
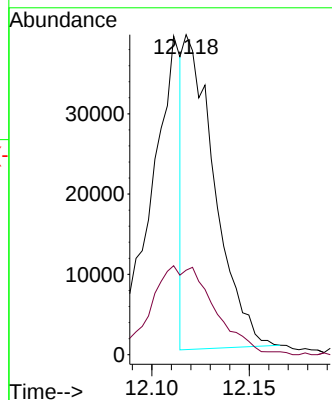
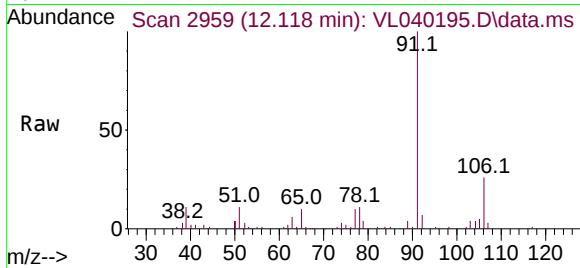




#58
Ethyl Benzene
Concen: 0.176 ppbv
RT: 12.118 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

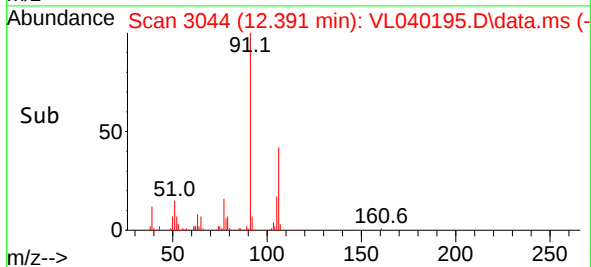
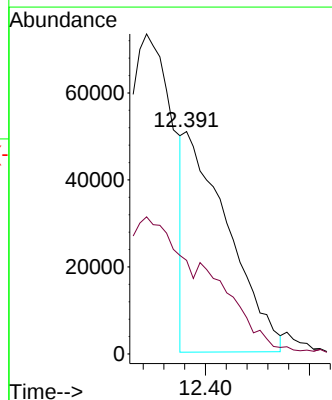
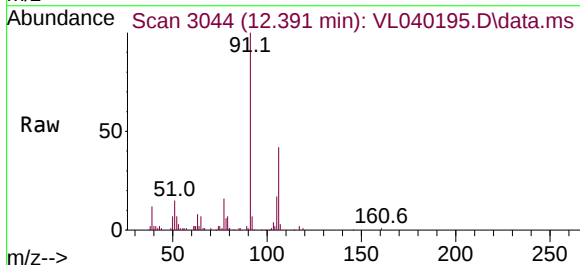
Instrument :
MSVOA_1
ClientSampleId :
IA-11

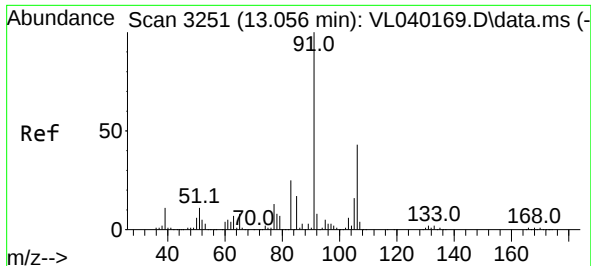
Tgt Ion: 91 Resp: 42952
Ion Ratio Lower Upper
91 100
106 26.3 24.9 37.3



#59
m/p-Xylene
Concen: 0.344 ppbv
RT: 12.391 min Scan# 3044
Delta R.T. -0.006 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 91 Resp: 74376
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

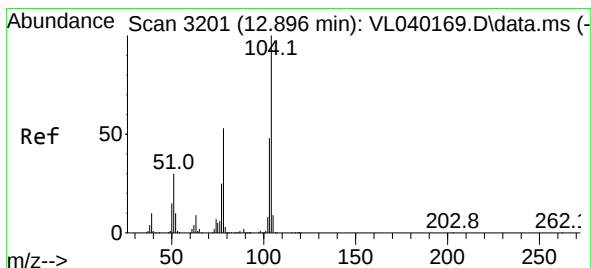
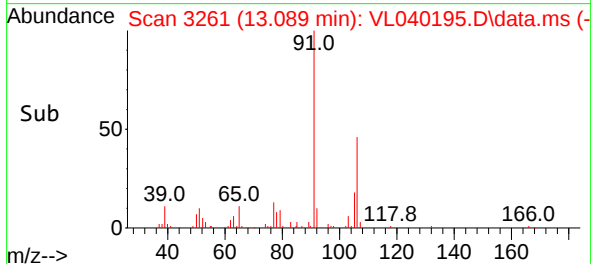
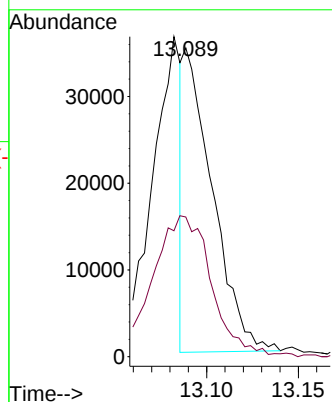
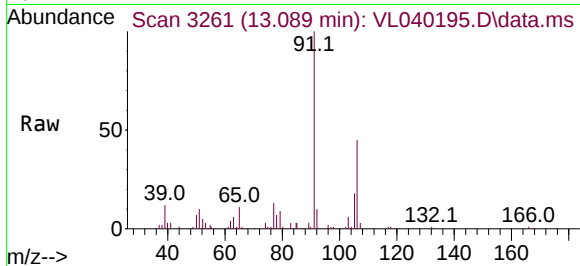




#60
o-Xylene
Concen: 0.185 ppbv
RT: 13.089 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

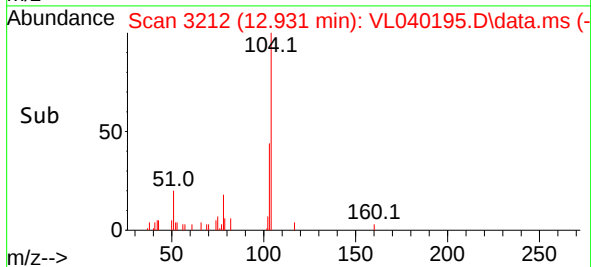
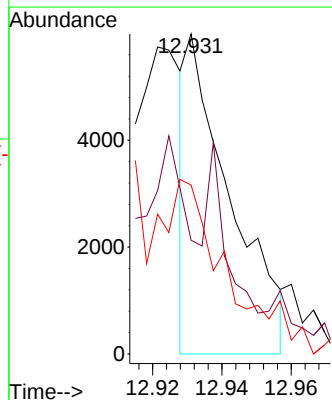
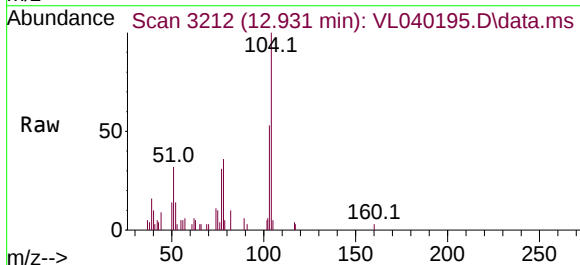
Instrument :
MSVOA_L
ClientSampleId :
IA-11

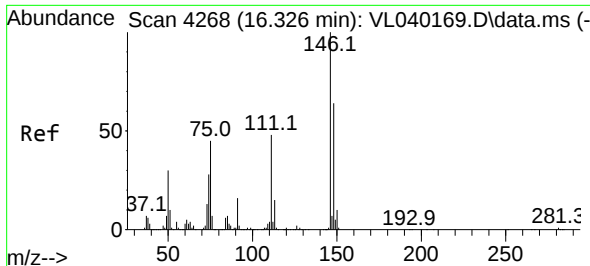
Tgt Ion: 91 Resp: 38460
Ion Ratio Lower Upper
91 100
106 95.8 21.6 65.0#



#61
Styrene
Concen: 0.048 ppbv
RT: 12.931 min Scan# 3212
Delta R.T. 0.003 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 104 Resp: 5274
Ion Ratio Lower Upper
104 100
78 0.0 42.3 63.5#
103 0.0 37.5 56.3#

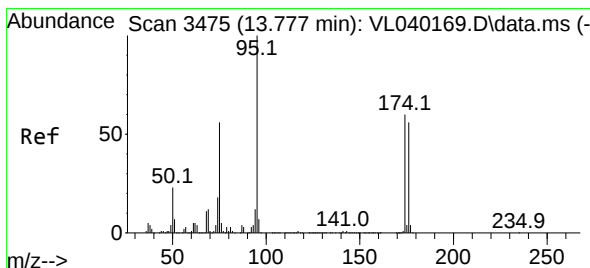
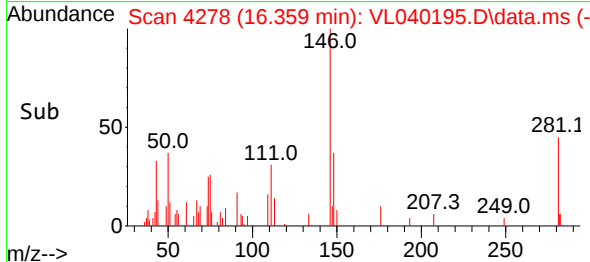
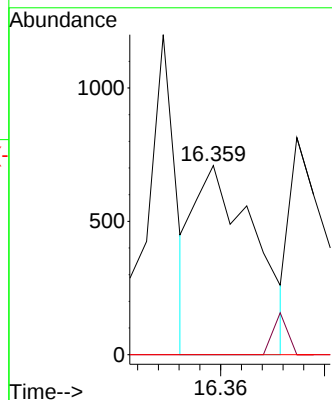
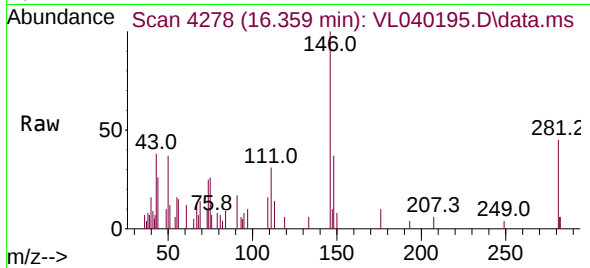




#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 16.359 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

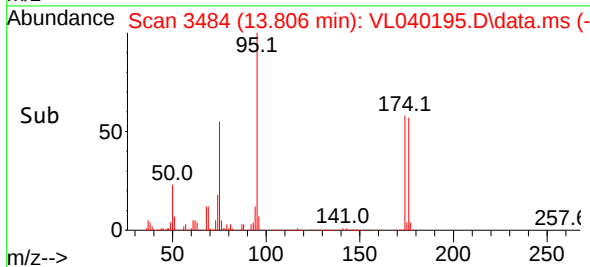
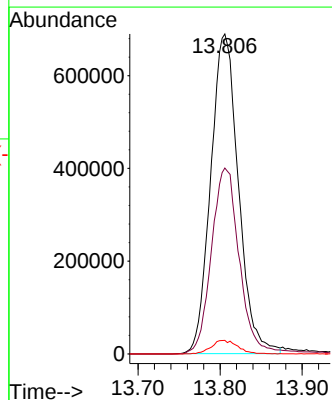
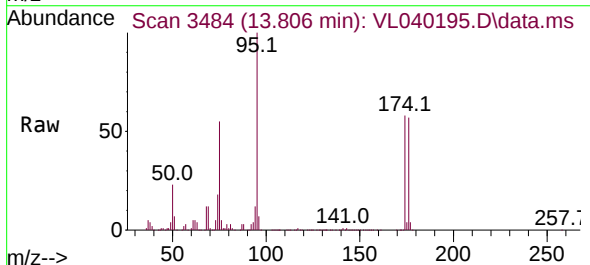
Instrument :
MSVOA_1
ClientSampleId :
IA-11

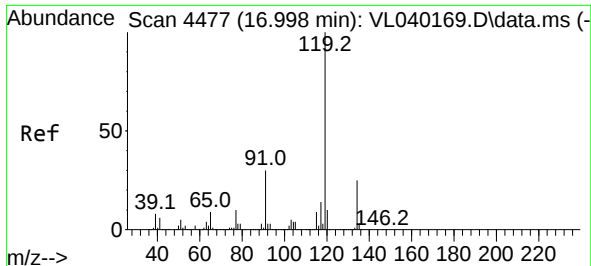
Tgt Ion: 91 Resp: 575
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.801 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.000 min
Lab File: VL040195.D
Acq: 21 Feb 2023 15:09

Tgt Ion: 95 Resp: 1620590
Ion Ratio Lower Upper
95 100
174 59.5 48.2 72.2
175 4.1 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.073 ppbv

RT: 17.021 min Scan# 4477

Delta R.T. -0.003 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

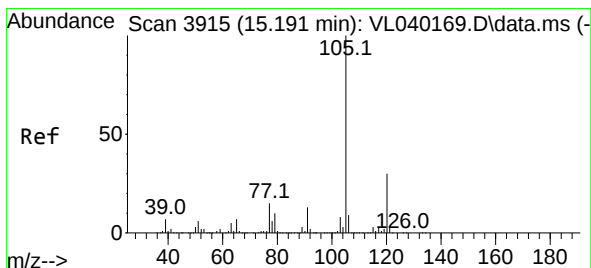
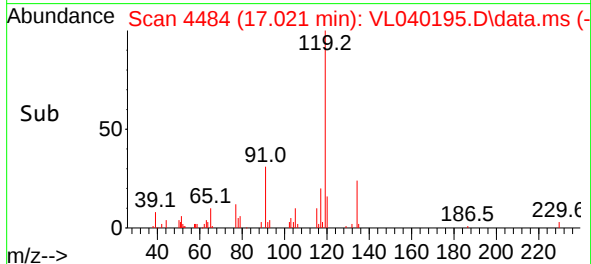
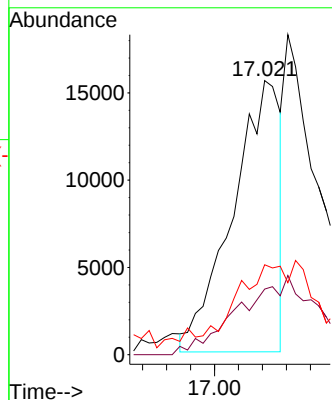
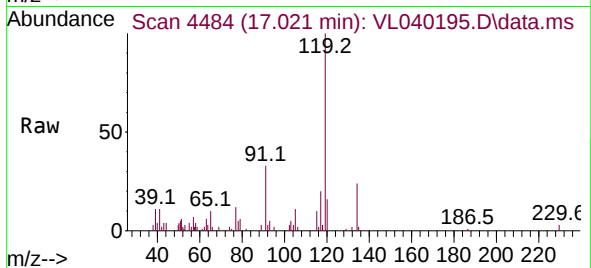
Instrument :

MSVOA_1

ClientSampleId :

IA-11

Tgt Ion:119 Resp: 21524
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.2 30.2#
 91 0.0 24.7 37.1#



#72

4-Ethyltoluene

Concen: 0.083 ppbv

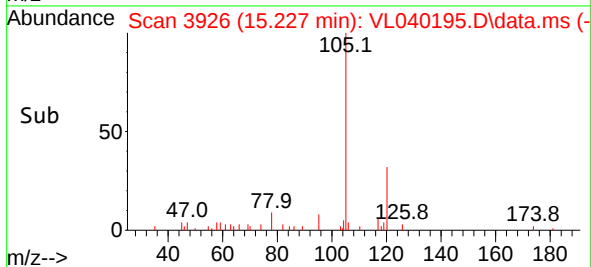
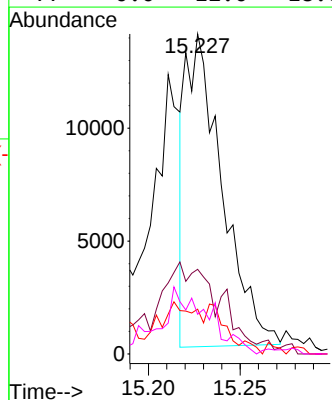
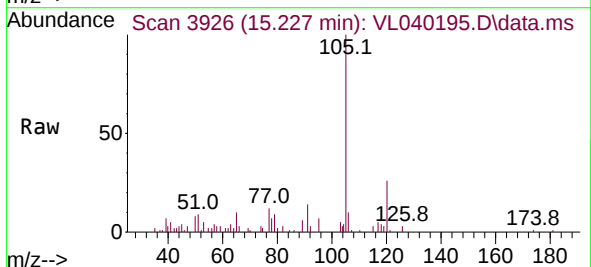
RT: 15.227 min Scan# 3926

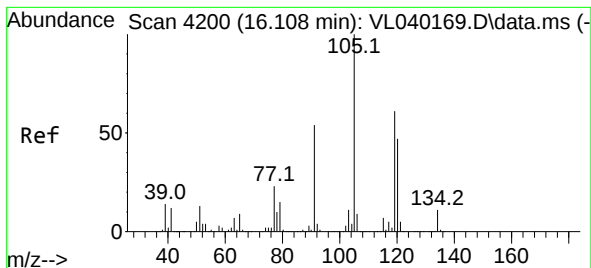
Delta R.T. 0.006 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Tgt Ion:105 Resp: 19184
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.2 34.8#
 91 0.0 11.3 16.9#
 77 0.0 12.0 18.0#





#74

1,2,4-Trimethylbenzene

Concen: 0.346 ppbv

RT: 16.137 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Instrument :

MSVOA_1

ClientSampleId :

IA-11

Tgt Ion:105 Resp: 81381

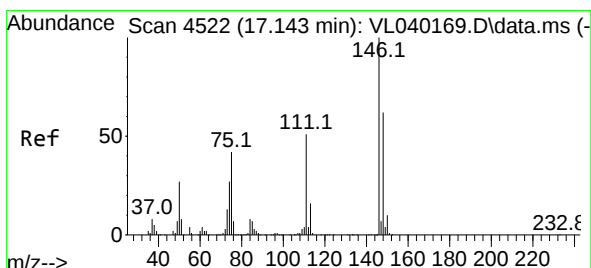
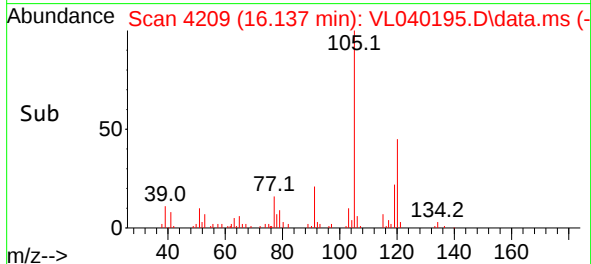
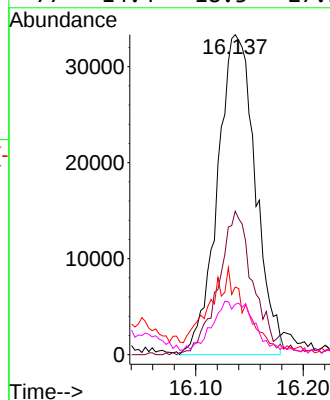
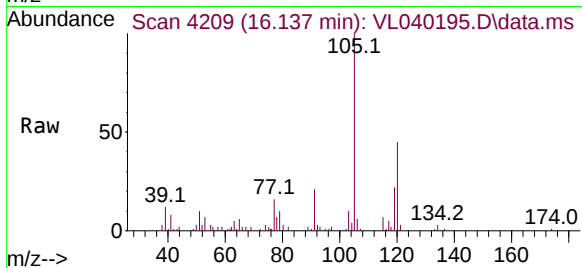
Ion Ratio Lower Upper

105 100

120 44.2 37.9 56.9

91 17.3 43.7 65.5#

77 14.4 18.3 27.5#



#77

1,2-Dichlorobenzene

Concen: 0.039 ppbv

RT: 17.178 min Scan# 4533

Delta R.T. 0.000 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

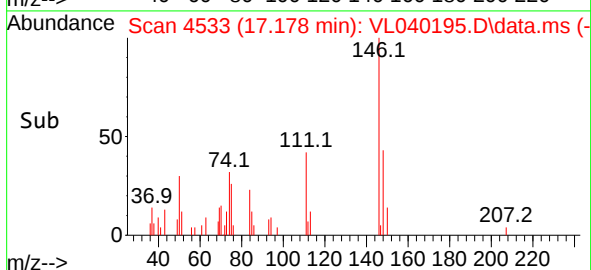
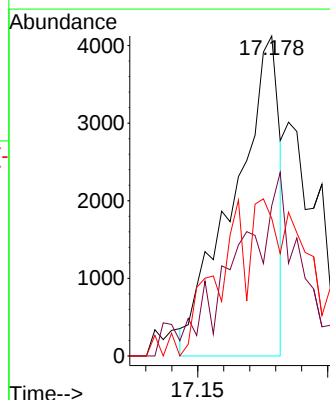
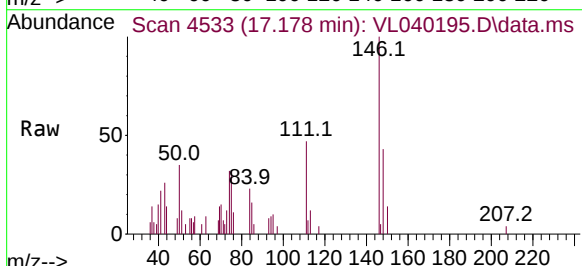
Tgt Ion:146 Resp: 5008

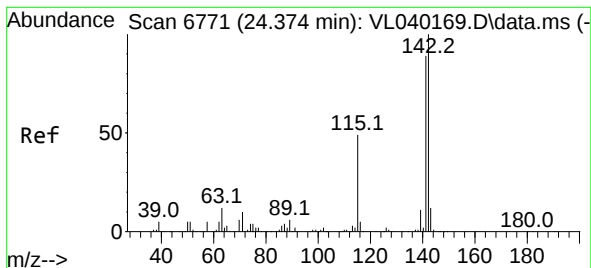
Ion Ratio Lower Upper

146 100

111 0.0 25.3 75.8#

148 99.3 32.0 96.2#





#80

Naphthalene, 2-methyl-

Concen: 0.440 ppbv

RT: 24.413 min Scan# 61

Delta R.T. 0.013 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Instrument :

MSVOA_L

ClientSampleId :

IA-11

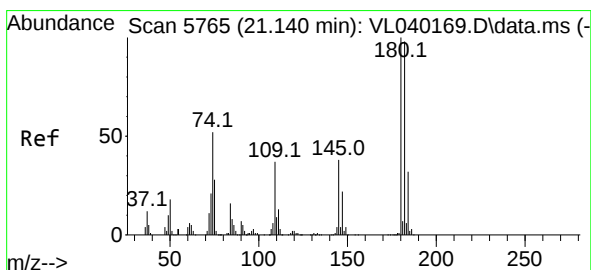
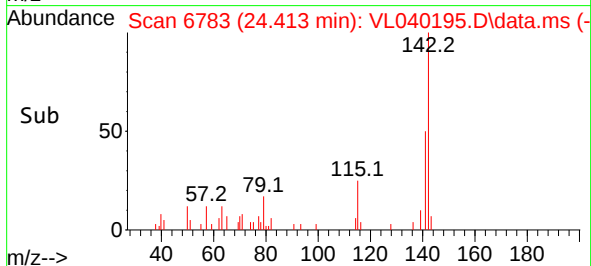
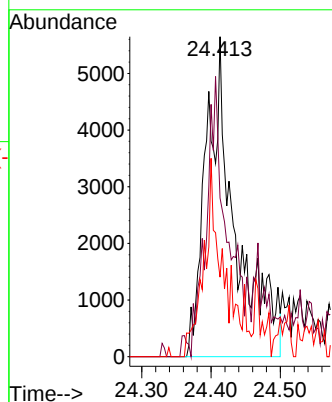
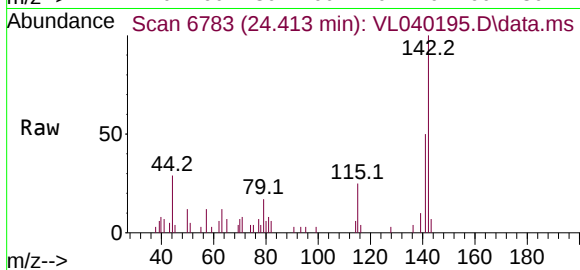
Tgt Ion:142 Resp: 16555

Ion Ratio Lower Upper

142 100

141 83.6 67.3 100.9

115 45.3 36.5 54.7



#81

1,2,4-Trichlorobenzene

Concen: 0.045 ppbv

RT: 21.172 min Scan# 5775

Delta R.T. -0.003 min

Lab File: VL040195.D

Acq: 21 Feb 2023 15:09

Tgt Ion:180 Resp: 3691

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6#

184 109.3 24.6 36.8#

