

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041094.D
 Acq On : 12 Mar 2024 11:50
 Operator : SY/MD
 Sample : P1718-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Mar 13 01:27:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1404745	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3682819	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3322564	10.000	ppbv	0.00

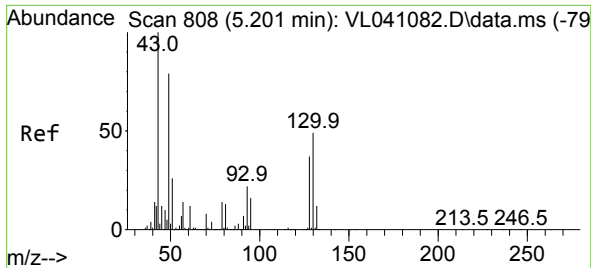
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2761936	10.632	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.300%

Target Compounds					Qvalue	
3) Chlorodifluoromethane	2.661	51	15981	0.077	ppbv	99
4) Chloromethane	2.799	50	6721	0.086	ppbv #	80
5) Vinyl Chloride	2.906	62	2956	0.037	ppbv	92
7) Chloroethane	3.185	64	1396	0.051	ppbv #	88
9) Propene	2.684	41	54583	0.794	ppbv	84
10) Heptane	7.581	43	75788	0.461	ppbv	96
11) Trichlorofluoromethane	3.558	101	10484	0.051	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.063	101	6607	0.044	ppbv #	74
13) Ethanol	3.253	45	6075	0.332	ppbv #	47
14) Bromoethene	3.362	108	2070	0.035	ppbv #	69
15) Acetone	3.468	43	435747	2.723	ppbv	97
16) 1,3-Butadiene	2.957	39	21943	0.302	ppbv #	41
20) Methylene Chloride	3.931	84	46151	0.740	ppbv	94
21) Allyl Chloride	3.996	41	4599	0.051	ppbv #	45
23) Vinyl Acetate	4.629	43	6400	0.035	ppbv #	51
25) Ethyl Acetate	5.211	43	288557	1.001	ppbv #	77
26) Hexane	5.211	57	403977	3.135	ppbv #	42
27) Carbon Disulfide	4.118	76	11314	0.073	ppbv #	43
30) Cyclohexane	6.600	84	3631	0.034	ppbv #	1
34) 2-Butanone	4.796	43	75162	0.412	ppbv #	89
36) Benzene	6.368	78	19173	0.070	ppbv #	91
39) 1,2-Dichloropropane	6.706	63	10088	0.092	ppbv #	23
51) 2-Hexanone	9.558	43	8396	0.043	ppbv #	31
53) Toluene	9.227	91	92882	0.314	ppbv	99
58) Ethyl Benzene	12.095	91	28630	0.074	ppbv	99
59) m/p-Xylene	12.375	91	19093	0.056	ppbv #	32
60) o-Xylene	13.063	91	41473	0.128	ppbv #	53
62) Isopropylbenzene	14.040	105	35073	0.073	ppbv	99
65) tert-Butylbenzene	16.098	119	18529	0.044	ppbv #	1
67) sec-Butylbenzene	16.641	105	29232	0.049	ppbv #	83
69) p-Isopropyltoluene	16.995	119	16902	0.036	ppbv #	46
70) n-Butylbenzene	17.889	91	21589	0.043	ppbv #	33
72) 4-Ethyltoluene	15.204	105	39648	0.111	ppbv #	72
73) 1,3,5-Trimethylbenzene	15.355	105	30377	0.096	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	104081	0.288	ppbv #	67
76) 1,4-Dichlorobenzene	16.477	146	7709	0.037	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.638	225	4658	0.033	ppbv #	18
80) Naphthalene,2-methyl-	24.390	142	17794	0.531	ppbv #	50
81) 1,2,4-Trichlorobenzene	21.149	180	4188	0.035	ppbv #	1

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

Quant Time: Mar 13 01:27:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration

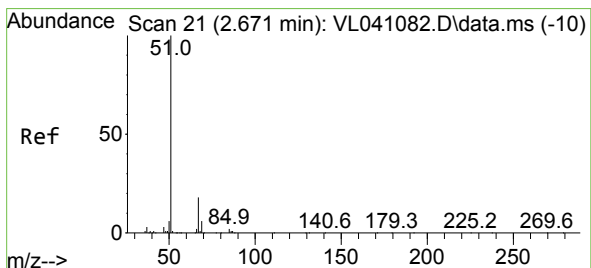
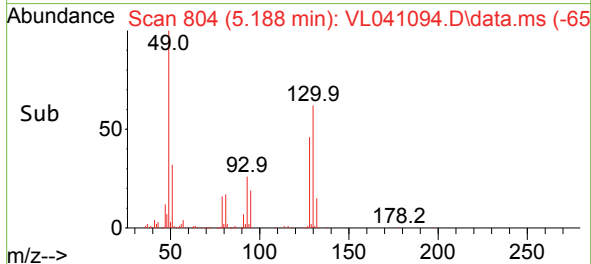
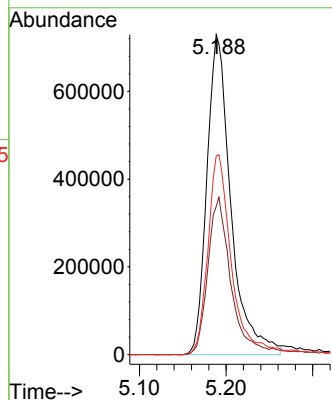
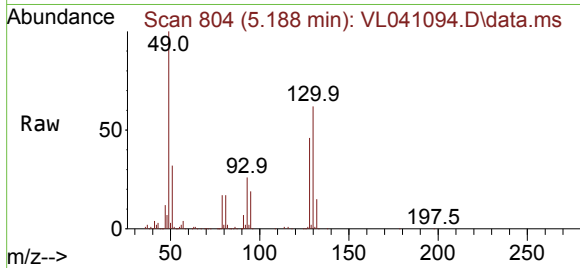




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

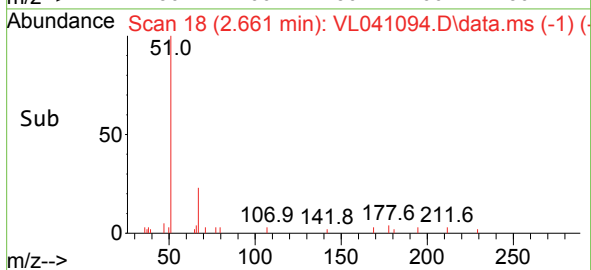
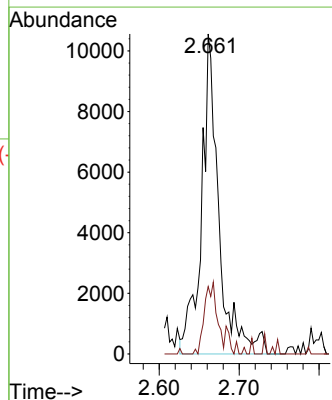
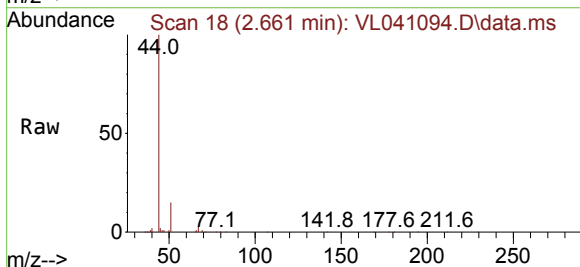
Instrument :
MSVOA_L
ClientSampleId :
SV1

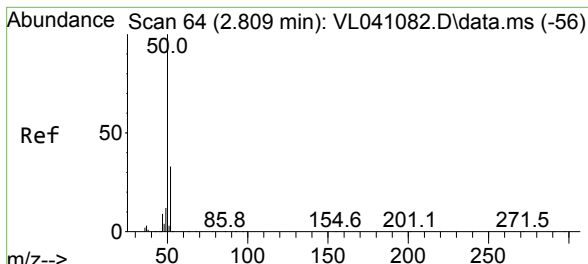
Tgt Ion: 49 Resp: 1404745
Ion Ratio Lower Upper
49 100
128 49.3 23.8 71.5
130 63.9 30.3 90.9



#3
Chlorodifluoromethane
Concen: 0.077 ppbv
RT: 2.661 min Scan# 18
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 51 Resp: 15981
Ion Ratio Lower Upper
51 100
67 18.8 14.5 21.7

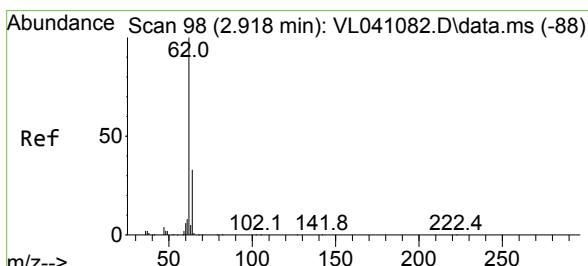
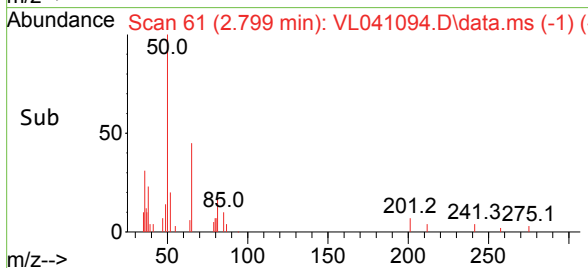
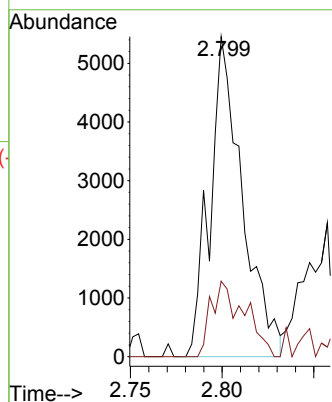
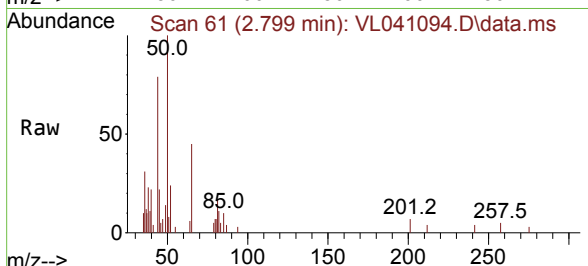




#4
Chloromethane
Concen: 0.086 ppbv
RT: 2.799 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

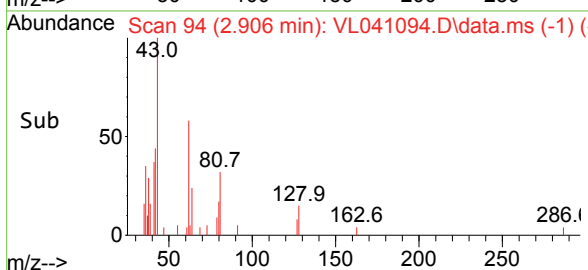
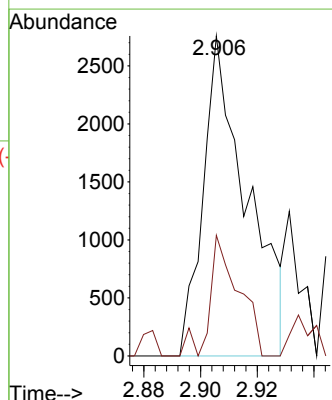
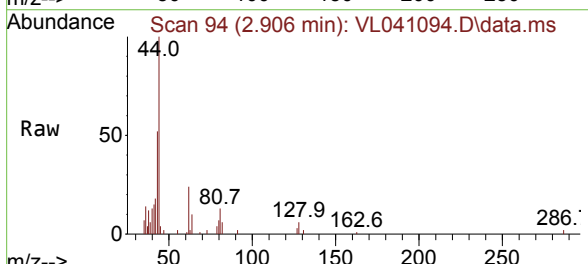
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MSVOA_L
ClientSampleId :
SV1

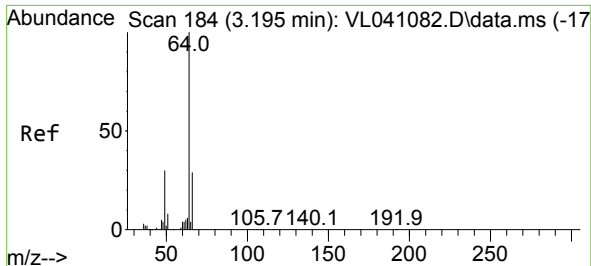
Tgt Ion: 50 Resp: 6721
Ion Ratio Lower Upper
50 100
52 21.7 26.6 40.0#



#5
Vinyl Chloride
Concen: 0.037 ppbv
RT: 2.906 min Scan# 94
Delta R.T. -0.007 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 62 Resp: 2956
Ion Ratio Lower Upper
62 100
64 37.7 26.5 39.7

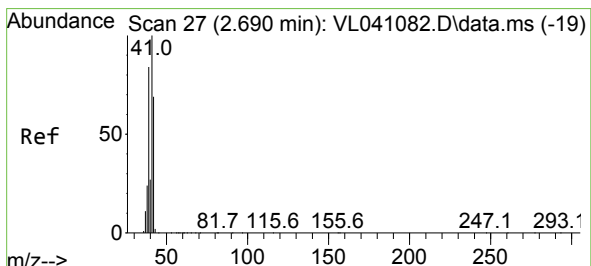
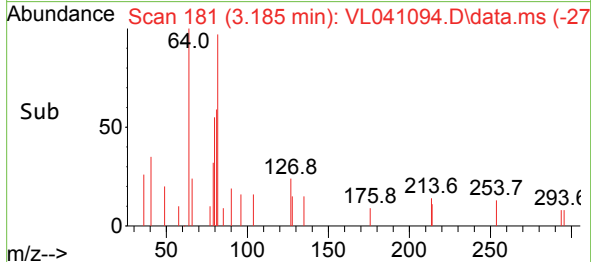
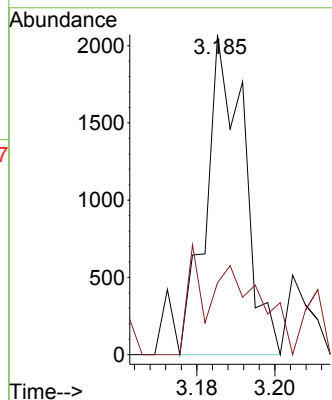
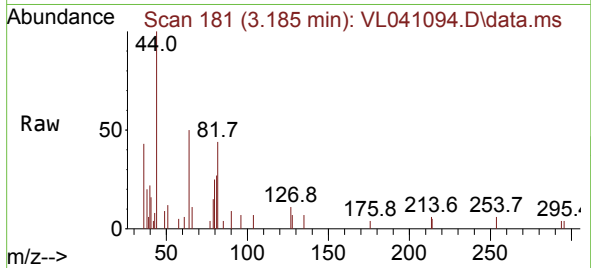




#7
Chloroethane
Concen: 0.051 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

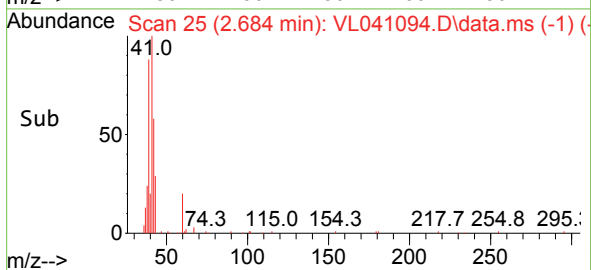
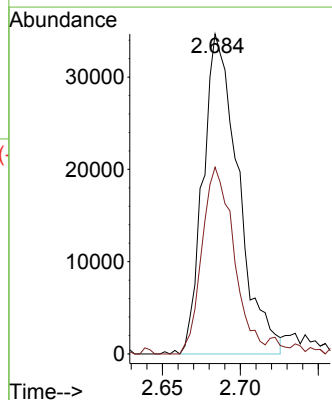
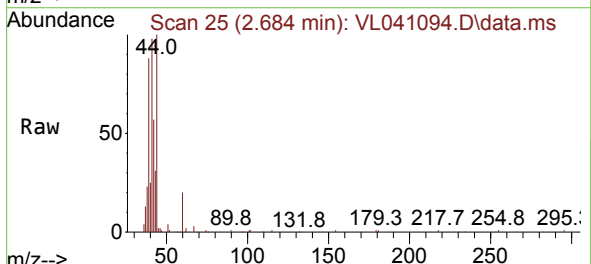
Instrument :
MSVOA_L
ClientSampleId :
SV1

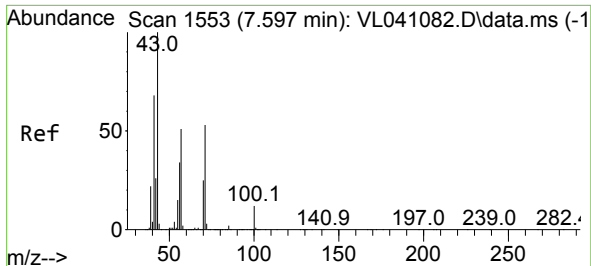
Tgt Ion: 64 Resp: 1396
Ion Ratio Lower Upper
64 100
66 22.5 23.2 34.8#



#9
Propene
Concen: 0.794 ppbv
RT: 2.684 min Scan# 25
Delta R.T. -0.000 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 41 Resp: 54583
Ion Ratio Lower Upper
41 100
42 56.7 55.9 83.9

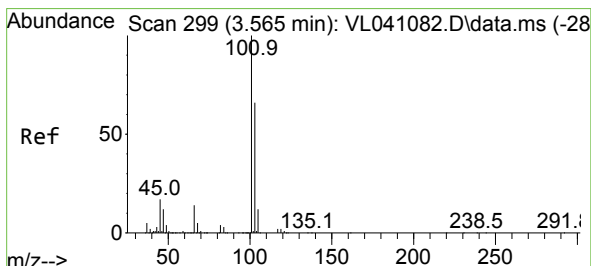
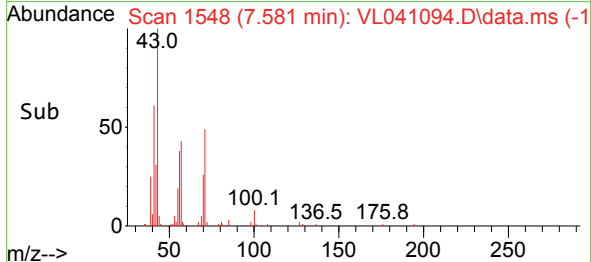
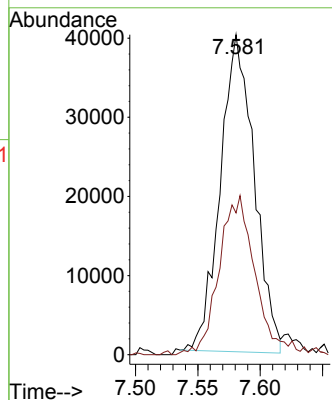
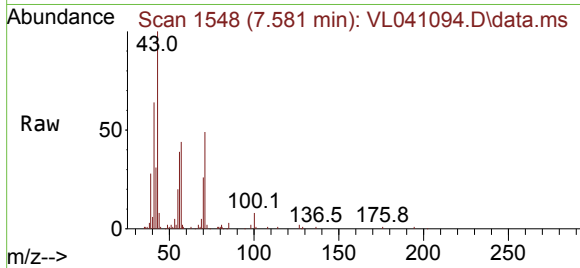




#10
 Heptane
 Concen: 0.461 ppbv
 RT: 7.581 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VL041094.D
 Acq: 12 Mar 2024 11:50

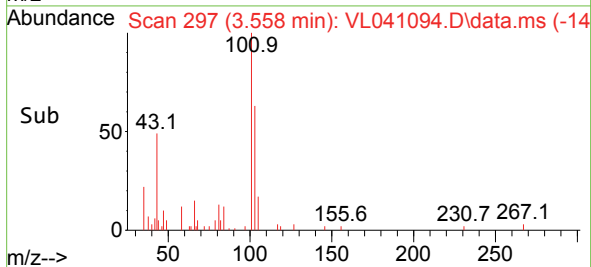
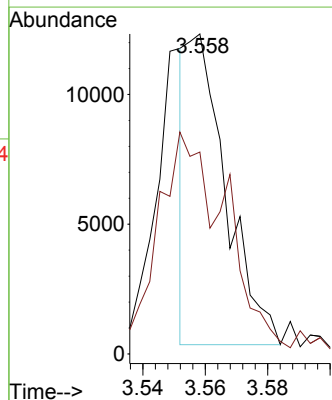
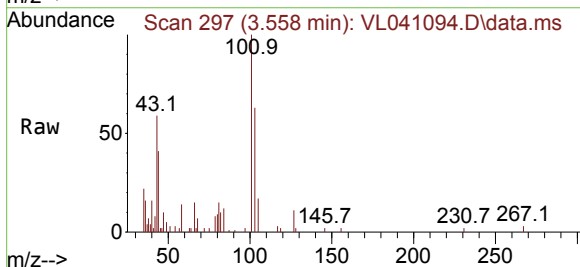
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

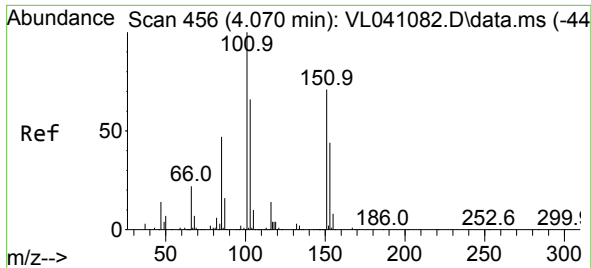
Tgt Ion: 43 Resp: 75788
 Ion Ratio Lower Upper
 43 100
 57 54.3 41.0 61.6



#11
 Trichlorofluoromethane
 Concen: 0.051 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. -0.000 min
 Lab File: VL041094.D
 Acq: 12 Mar 2024 11:50

Tgt Ion: 101 Resp: 10484
 Ion Ratio Lower Upper
 101 100
 103 60.9 53.0 79.4

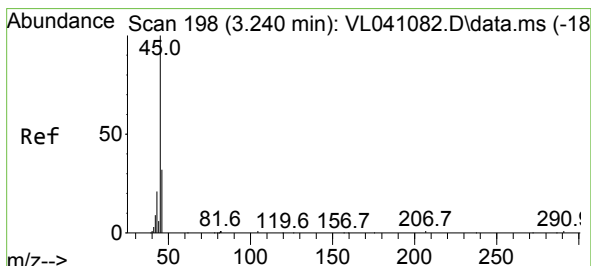
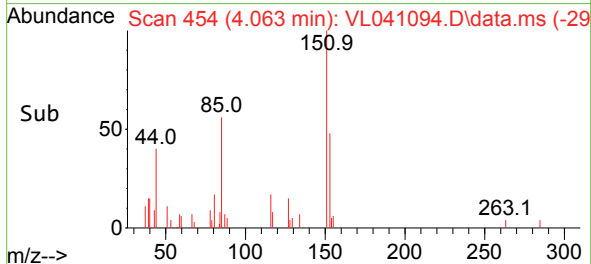
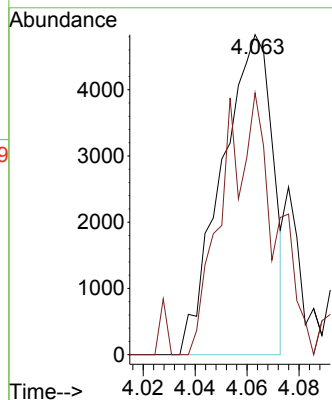
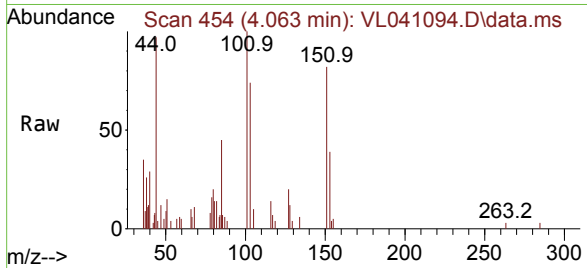




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.044 ppbv
 RT: 4.063 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041094.D
 Acq: 12 Mar 2024 11:50

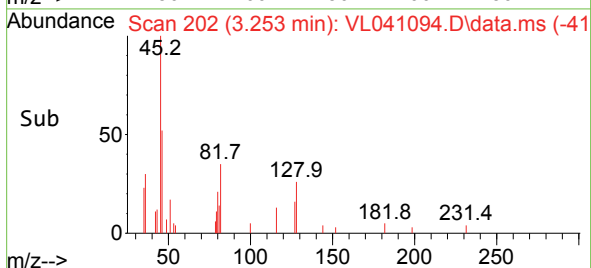
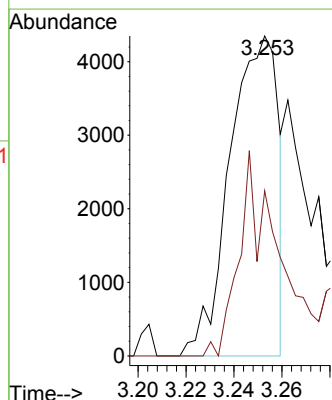
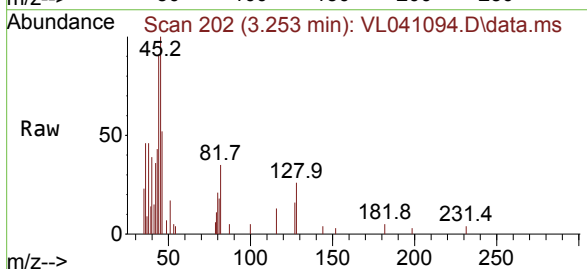
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

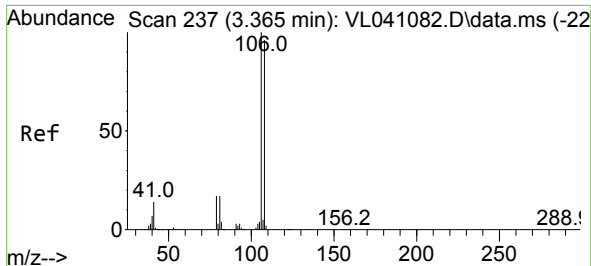
Tgt Ion:101 Resp: 6607
 Ion Ratio Lower Upper
 101 100
 151 91.5 55.8 83.8#



#13
 Ethanol
 Concen: 0.332 ppbv
 RT: 3.253 min Scan# 202
 Delta R.T. 0.019 min
 Lab File: VL041094.D
 Acq: 12 Mar 2024 11:50

Tgt Ion: 45 Resp: 6075
 Ion Ratio Lower Upper
 45 100
 46 67.6 14.6 58.2#





#14

Bromoethene

Concen: 0.035 ppbv

RT: 3.362 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

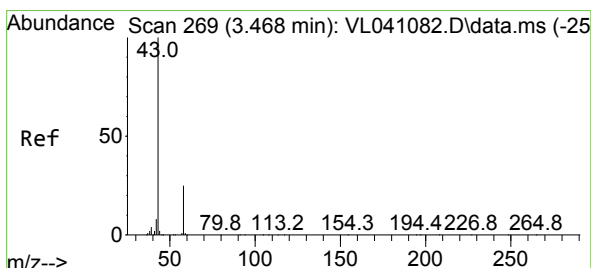
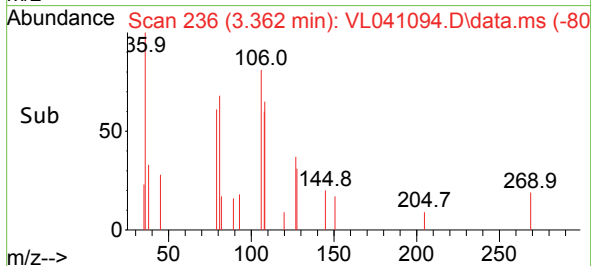
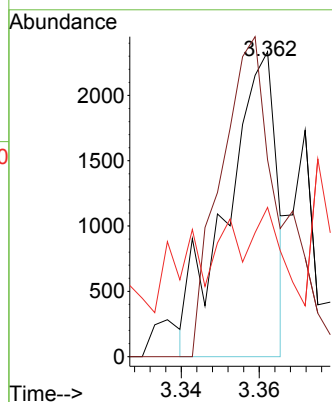
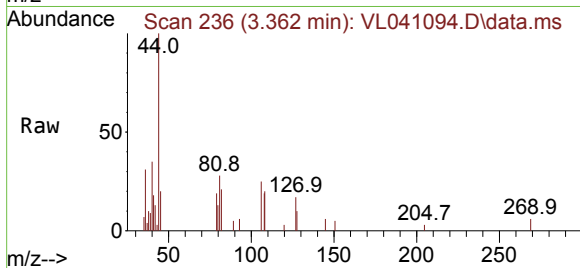
Tgt Ion:108 Resp: 2070

Ion Ratio Lower Upper

108 100

106 141.2 88.1 132.1#

79 0.0 15.6 23.4#



#15

Acetone

Concen: 2.723 ppbv

RT: 3.468 min Scan# 269

Delta R.T. 0.006 min

Lab File: VL041094.D

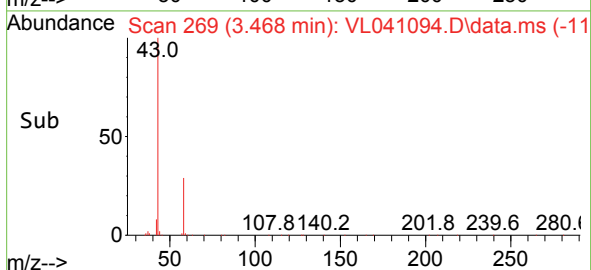
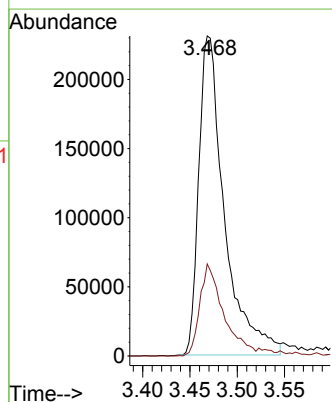
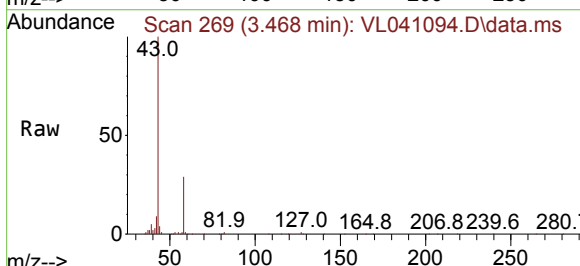
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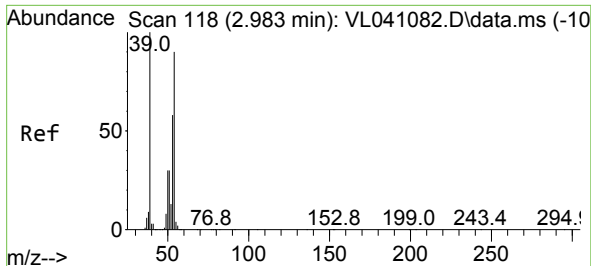
Tgt Ion: 43 Resp: 435747

Ion Ratio Lower Upper

43 100

58 28.9 21.7 32.5

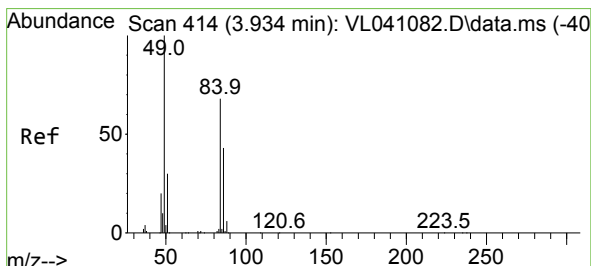
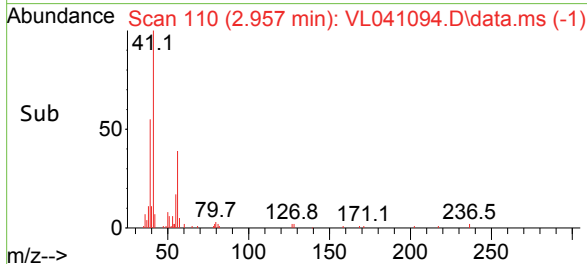
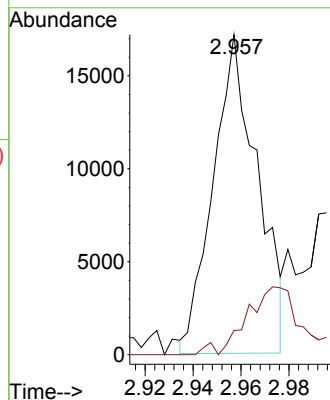
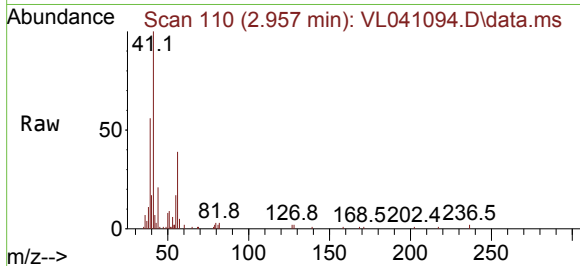




#16
1,3-Butadiene
Concen: 0.302 ppbv
RT: 2.957 min Scan# 118
Delta R.T. -0.020 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

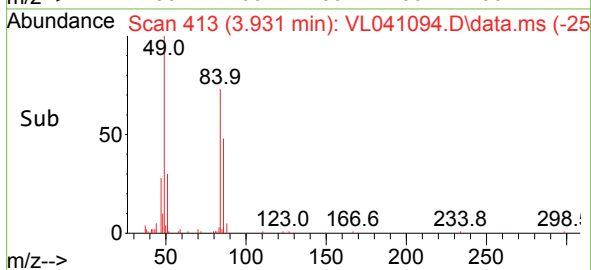
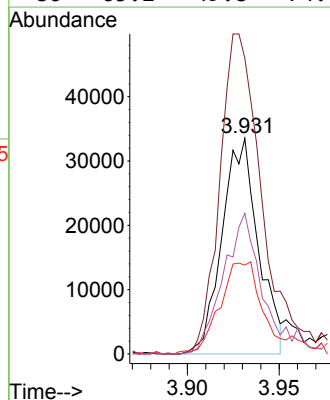
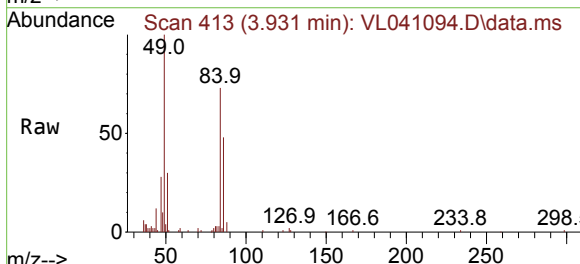
Instrument :
MSVOA_L
ClientSampleId :
SV1

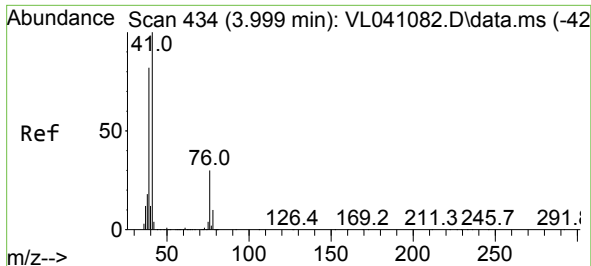
Tgt Ion: 39 Resp: 21943
Ion Ratio Lower Upper
39 100
54 27.7 64.0 96.0#



#20
Methylene Chloride
Concen: 0.740 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 84 Resp: 46151
Ion Ratio Lower Upper
84 100
49 137.2 117.0 175.6
51 41.5 34.9 52.3
86 65.2 49.8 74.6





#21

Allyl Chloride

Concen: 0.051 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

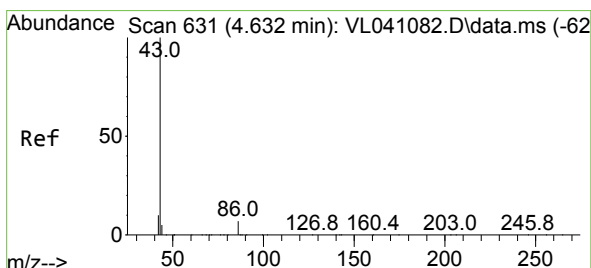
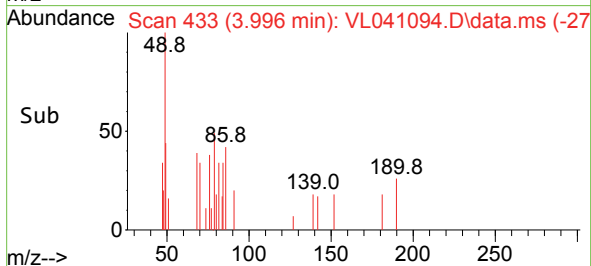
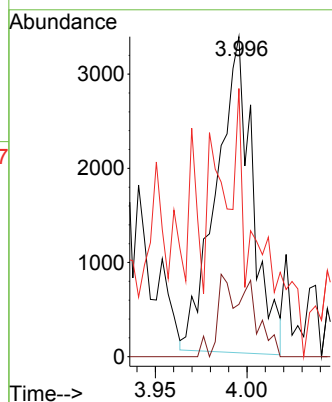
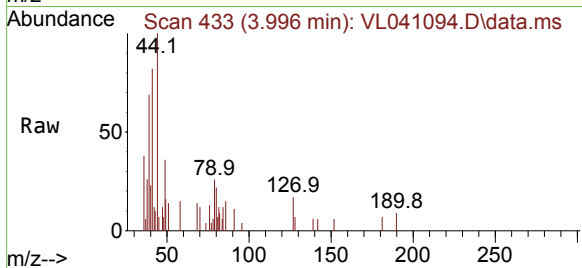
Tgt Ion: 41 Resp: 4599

Ion Ratio Lower Upper

41 100

76 23.6 25.5 38.3#

39 147.6 67.4 101.2#



#23

Vinyl Acetate

Concen: 0.035 ppbv

RT: 4.629 min Scan# 630

Delta R.T. 0.006 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Tgt Ion: 43 Resp: 6400

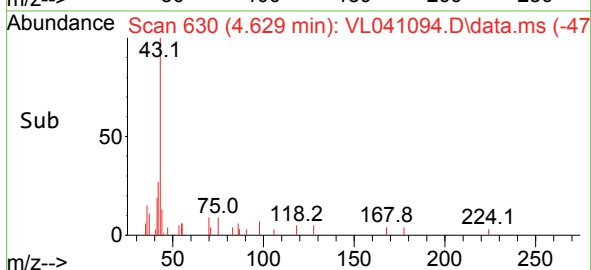
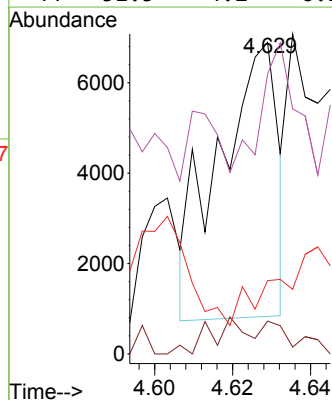
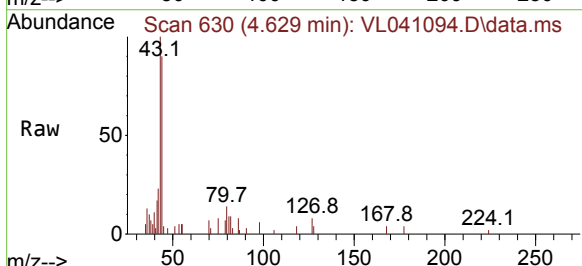
Ion Ratio Lower Upper

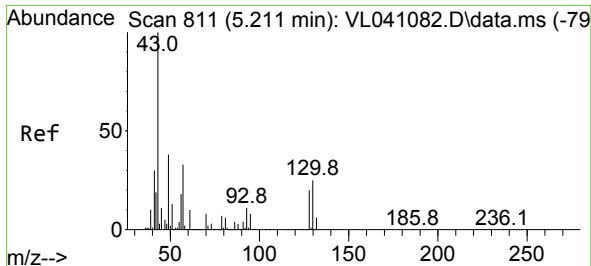
43 100

86 11.5 5.4 8.2#

42 0.0 8.0 12.0#

44 51.5 4.2 6.2#

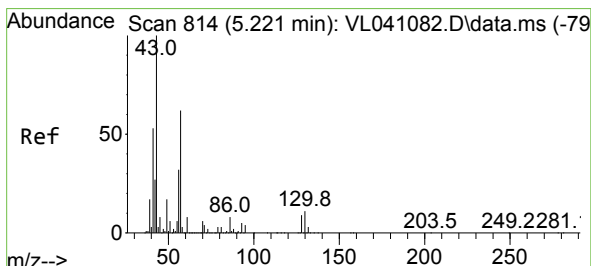
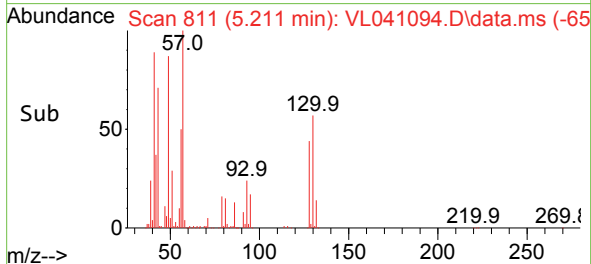
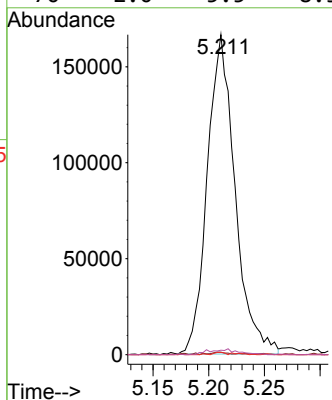
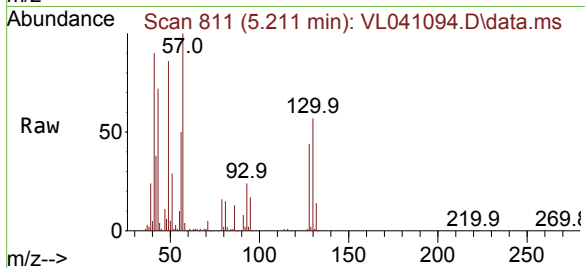




#25
Ethyl Acetate
Concen: 1.001 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.006 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

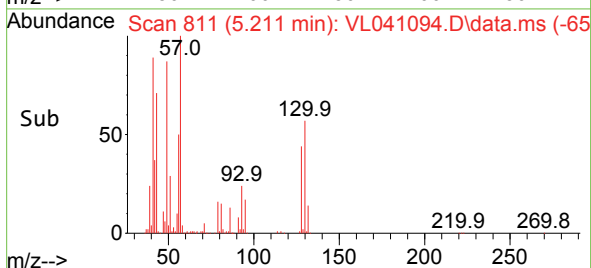
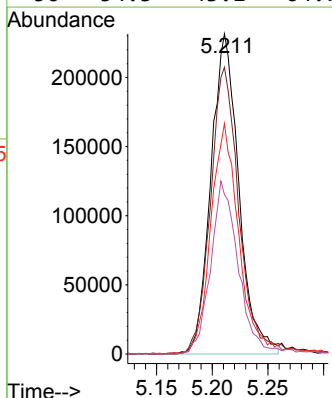
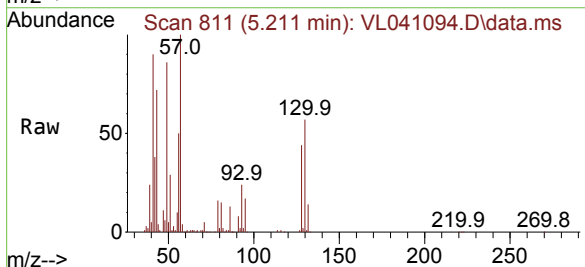
Instrument :
MSVOA_L
ClientSampleId :
SV1

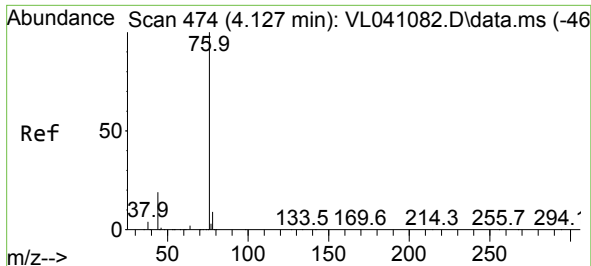
Tgt Ion:	43	Resp:	288557
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.2#
61	0.5	8.2	12.2#
70	2.0	5.5	8.3#



#26
Hexane
Concen: 3.135 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.000 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion:	57	Resp:	403977
Ion	Ratio	Lower	Upper
57	100		
41	93.3	73.8	110.6
43	73.8	184.2	276.2#
56	54.3	43.1	64.7

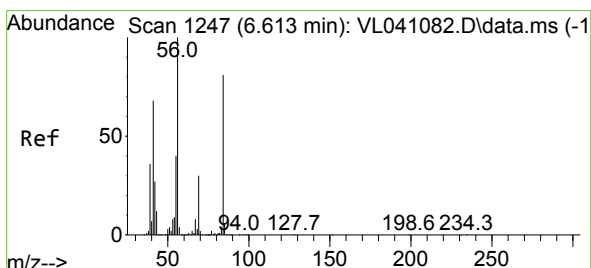
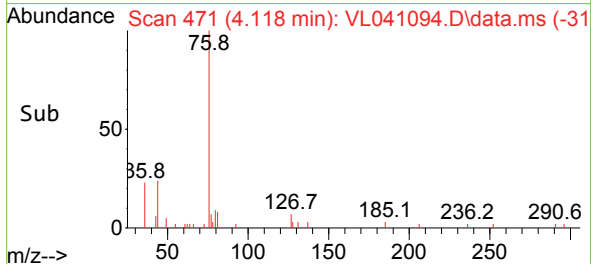
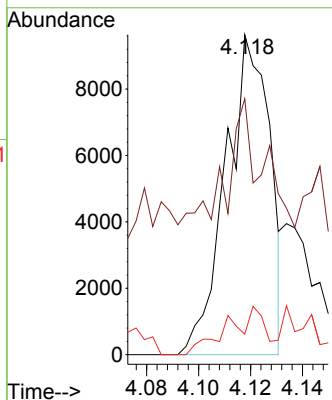
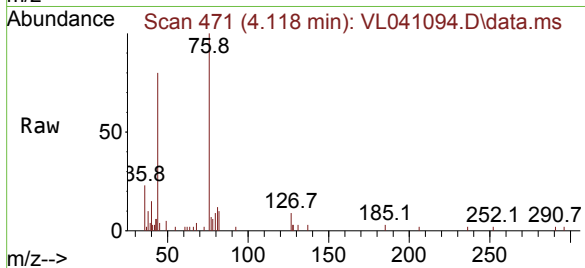




#27
Carbon Disulfide
Concen: 0.073 ppbv
RT: 4.118 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

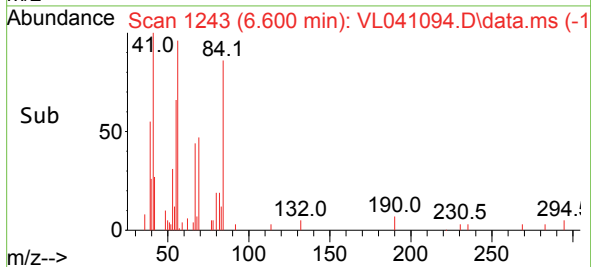
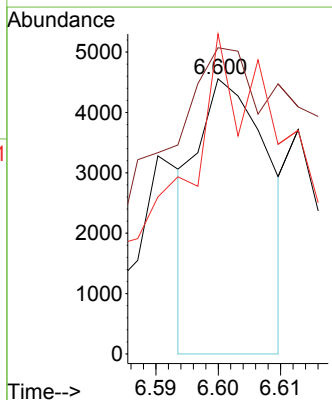
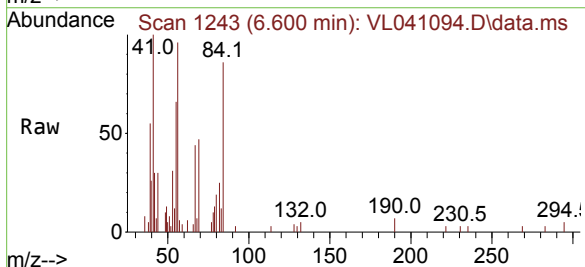
Instrument :
MSVOA_L
ClientSampleId :
SV1

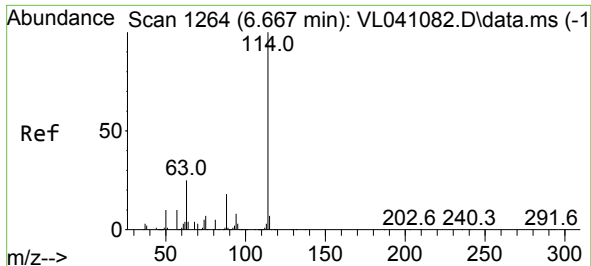
Tgt Ion: 76 Resp: 11314
Ion Ratio Lower Upper
76 100
44 58.2 16.0 24.0#
78 8.9 7.5 11.3



#30
Cyclohexane
Concen: 0.034 ppbv
RT: 6.600 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 84 Resp: 3631
Ion Ratio Lower Upper
84 100
56 0.0 110.4 165.6#
41 321.3 70.6 105.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

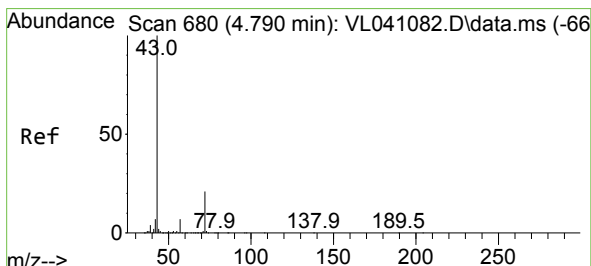
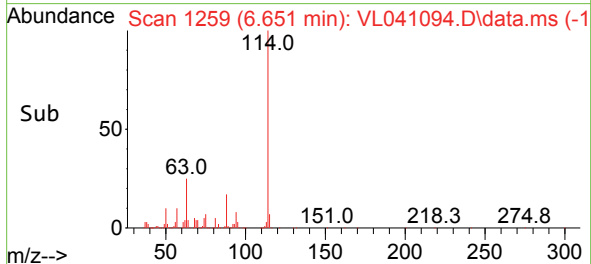
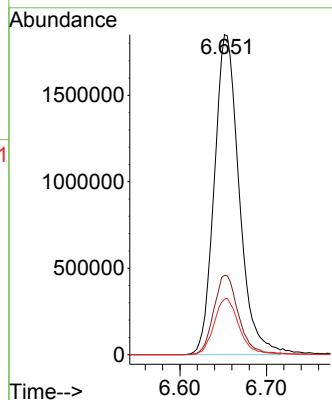
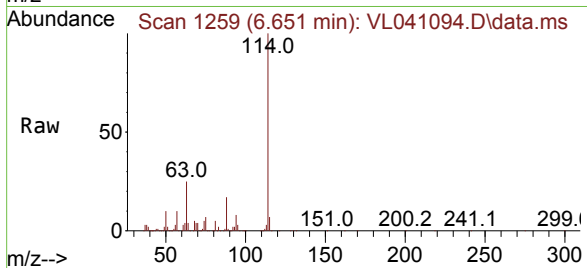
Tgt Ion:114 Resp: 3682819

Ion Ratio Lower Upper

114 100

63 25.3 21.0 31.6

88 17.9 14.6 22.0



#34

2-Butanone

Concen: 0.412 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.013 min

Lab File: VL041094.D

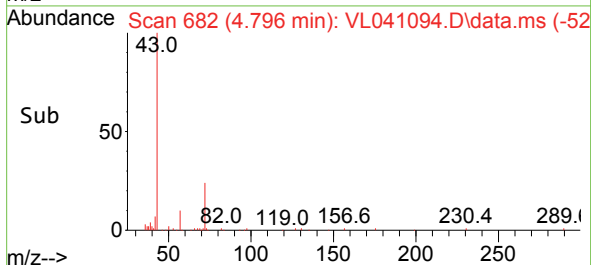
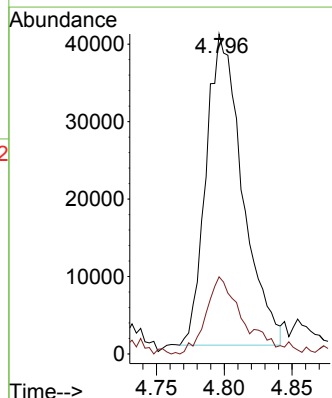
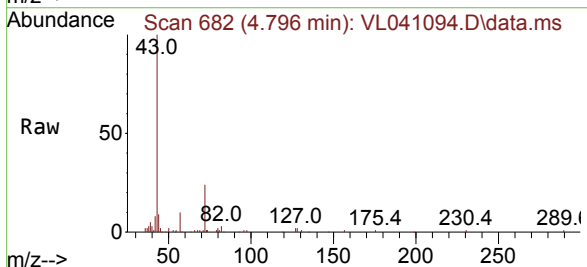
Acq: 12 Mar 2024 11:50

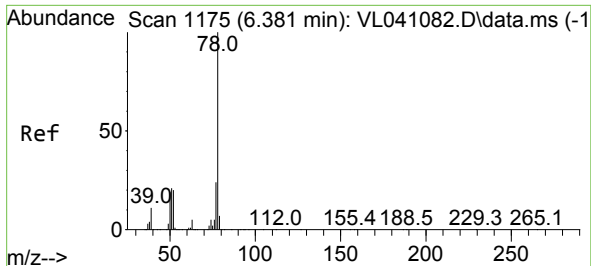
Tgt Ion: 43 Resp: 75162

Ion Ratio Lower Upper

43 100

72 27.0 17.4 26.0#

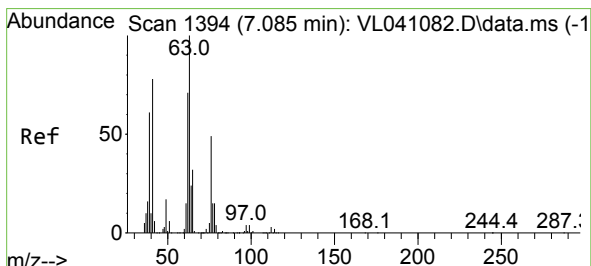
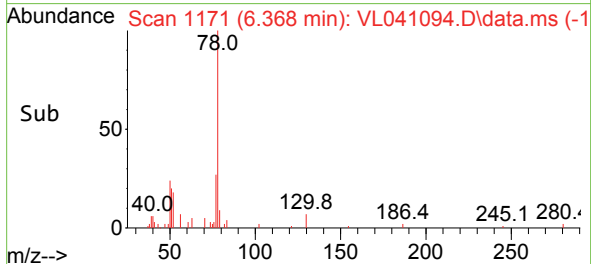
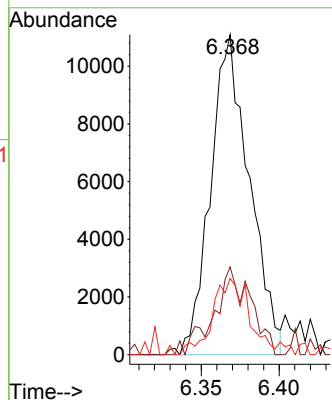
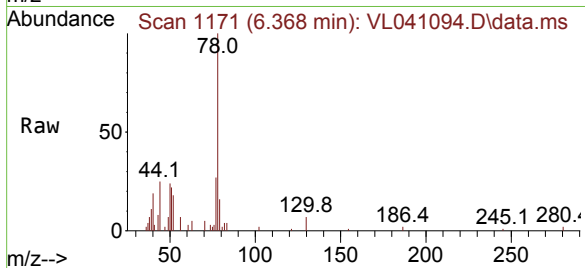




#36
Benzene
Concen: 0.070 ppbv
RT: 6.368 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

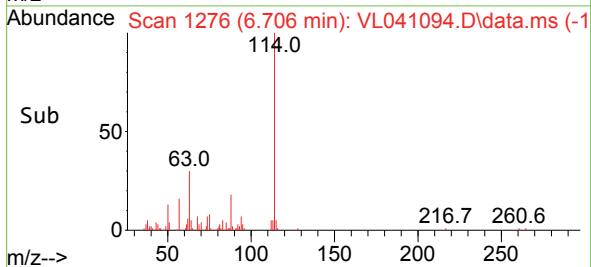
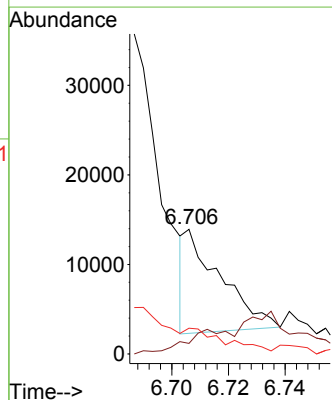
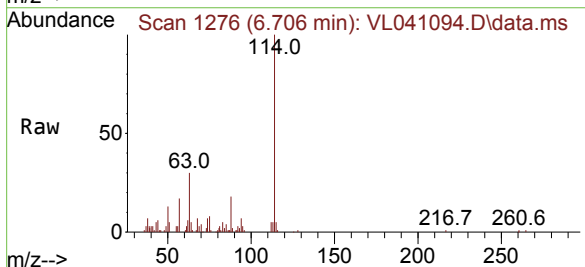
Instrument :
MSVOA_L
ClientSampleId :
SV1

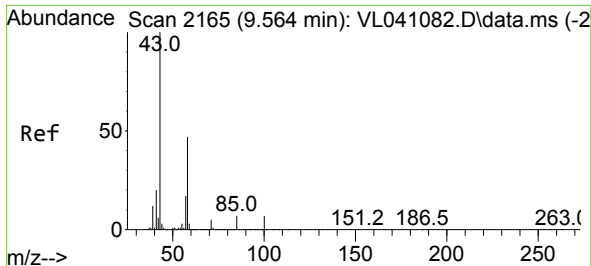
Tgt Ion: 78 Resp: 19173
Ion Ratio Lower Upper
78 100
77 27.4 18.8 28.2
50 23.8 15.5 23.3#



#39
1,2-Dichloropropane
Concen: 0.092 ppbv
RT: 6.706 min Scan# 1276
Delta R.T. -0.370 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 63 Resp: 10088
Ion Ratio Lower Upper
63 100
41 0.0 62.2 93.4#
62 17.9 57.0 85.4#

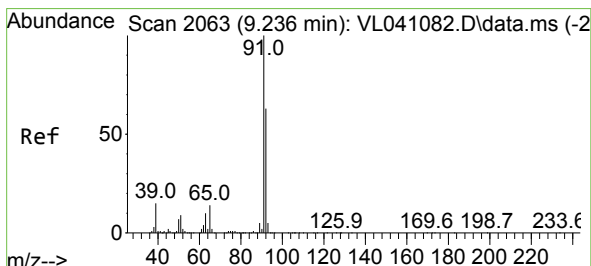
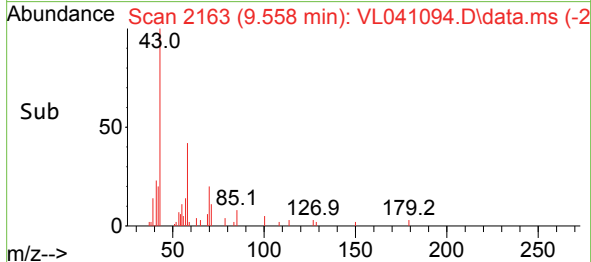
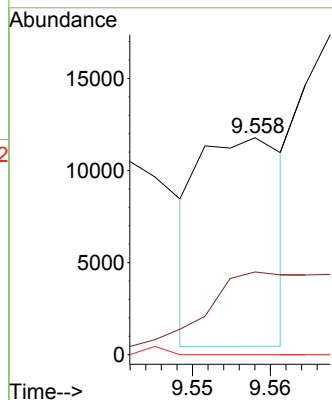
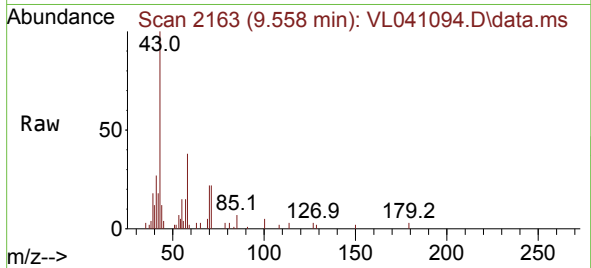




#51
2-Hexanone
Concen: 0.043 ppbv
RT: 9.558 min Scan# 2165
Delta R.T. 0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

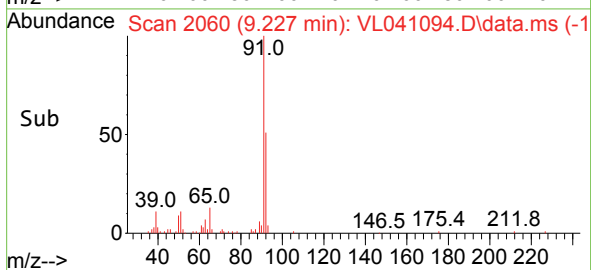
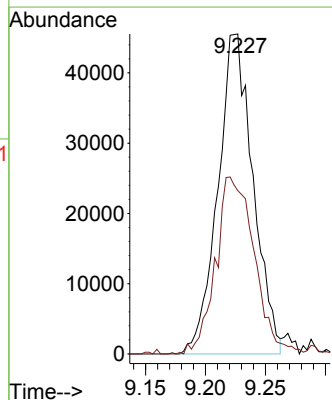
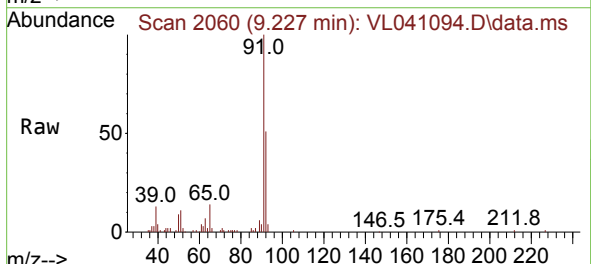
Instrument :
MSVOA_L
ClientSampleId :
SV1

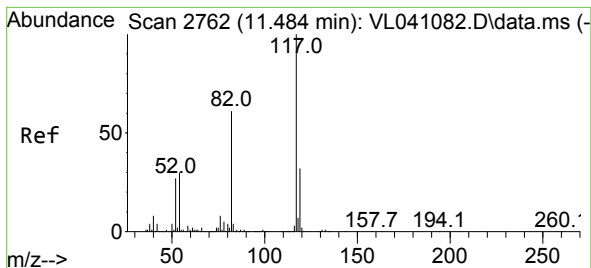
Tgt Ion: 43 Resp: 8396
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.2#
98 0.0 0.4 0.6#



#53
Toluene
Concen: 0.314 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 91 Resp: 92882
Ion Ratio Lower Upper
91 100
92 61.7 48.9 73.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

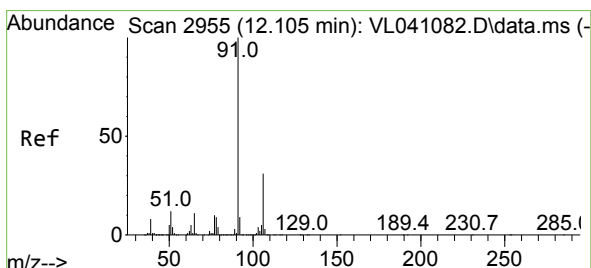
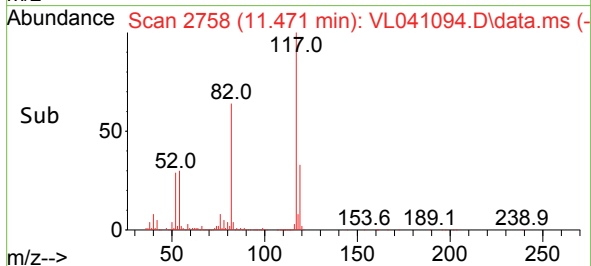
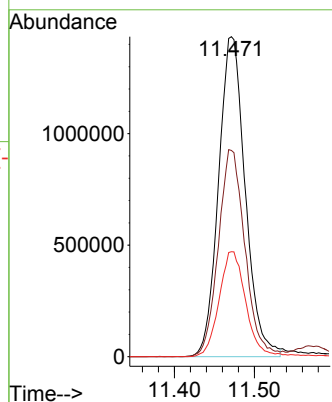
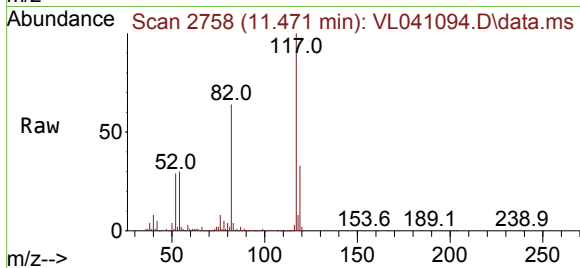
Tgt Ion:117 Resp: 3322564

Ion Ratio Lower Upper

117 100

82 64.6 51.4 77.2

119 33.5 23.7 35.5



#58

Ethyl Benzene

Concen: 0.074 ppbv

RT: 12.095 min Scan# 2952

Delta R.T. -0.000 min

Lab File: VL041094.D

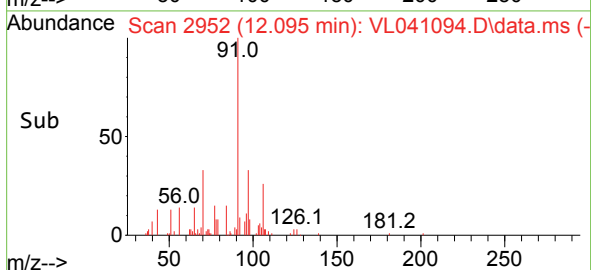
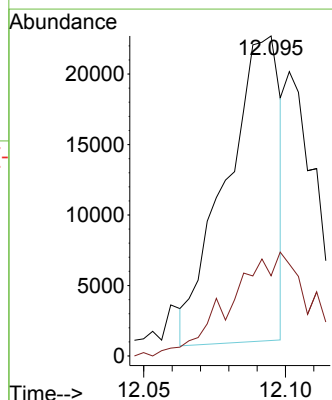
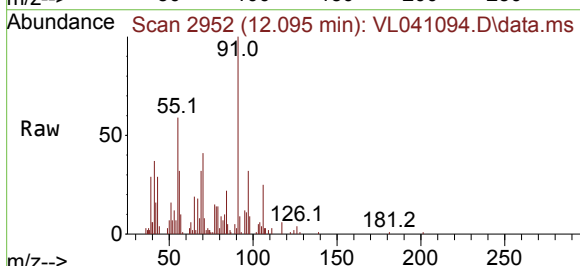
Acq: 12 Mar 2024 11:50

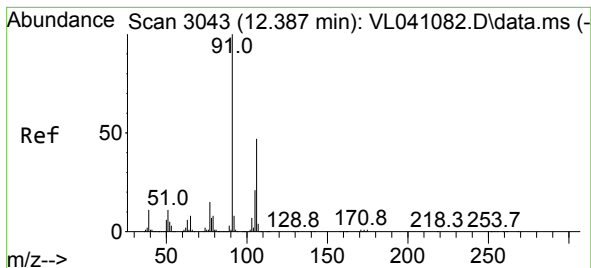
Tgt Ion: 91 Resp: 28630

Ion Ratio Lower Upper

91 100

106 30.3 24.6 36.8





#59

m/p-Xylene

Concen: 0.056 ppbv

RT: 12.375 min Scan# 3043

Delta R.T. -0.007 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

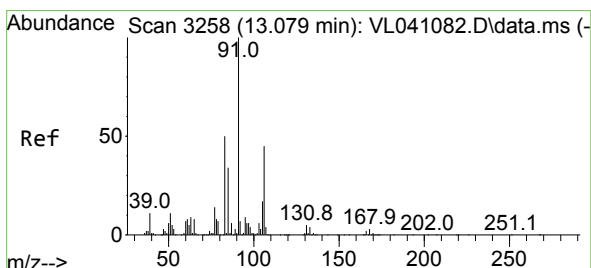
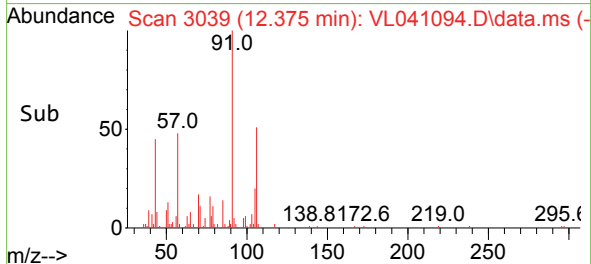
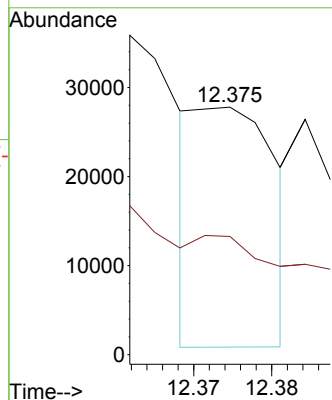
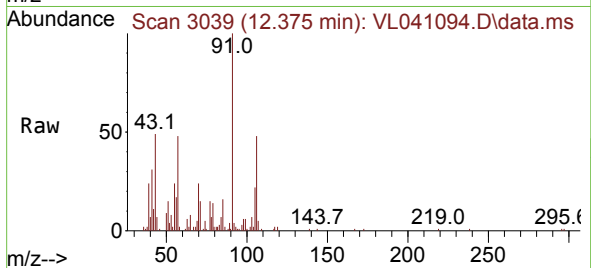
SV1

Tgt Ion: 91 Resp: 19093

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.128 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. -0.003 min

Lab File: VL041094.D

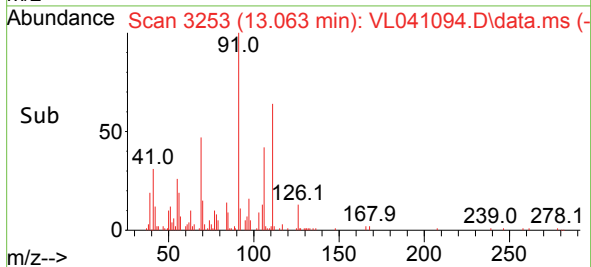
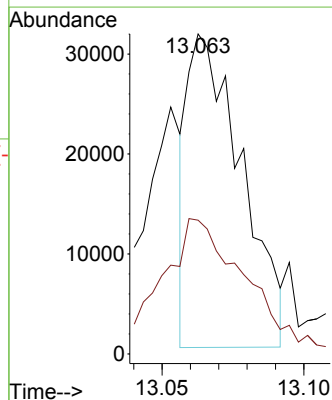
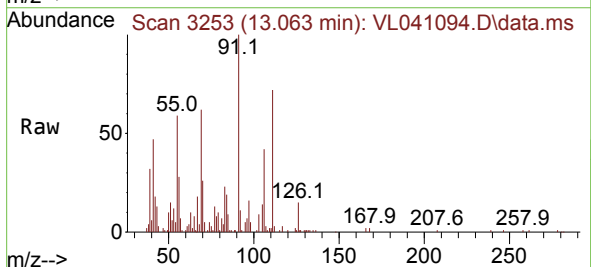
Acq: 12 Mar 2024 11:50

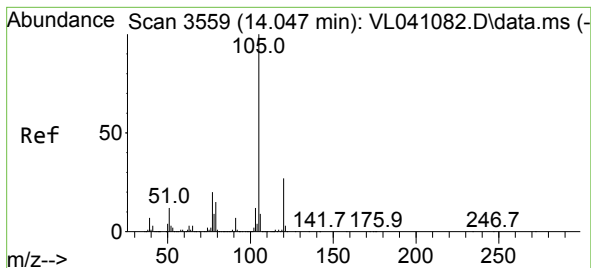
Tgt Ion: 91 Resp: 41473

Ion Ratio Lower Upper

91 100

106 75.8 22.4 67.3#





#62

Isopropylbenzene

Concen: 0.073 ppbv

RT: 14.040 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

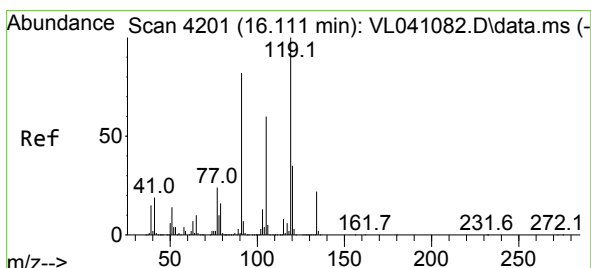
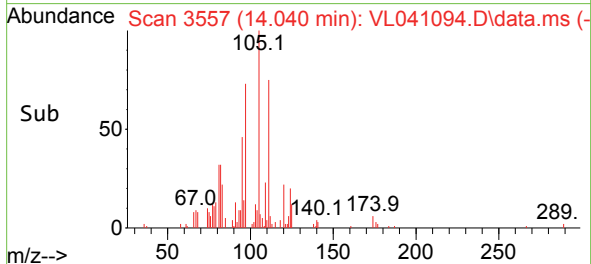
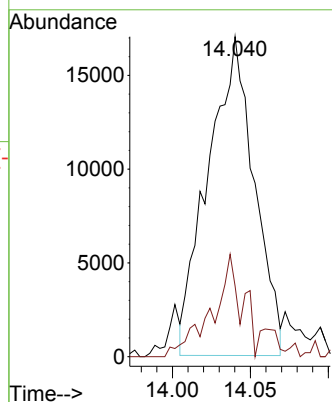
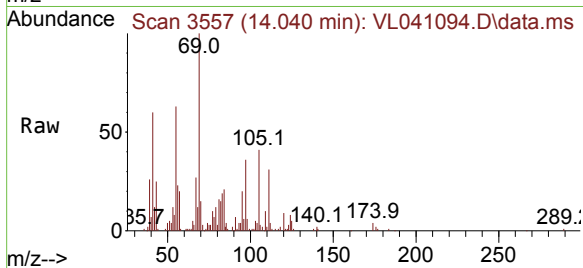
SV1

Tgt Ion:105 Resp: 35073

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7



#65

tert-Butylbenzene

Concen: 0.044 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.000 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

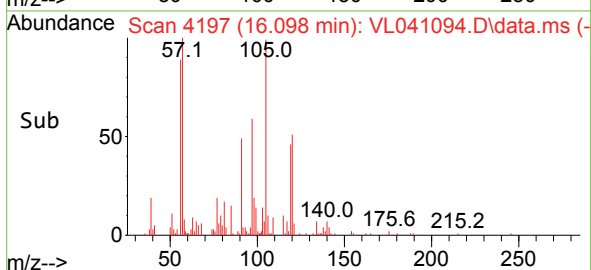
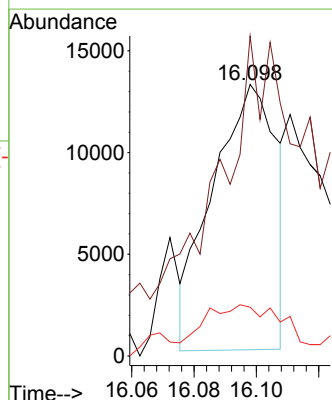
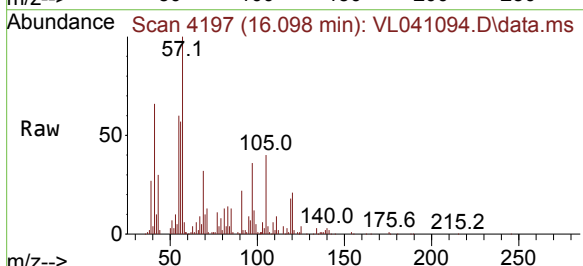
Tgt Ion:119 Resp: 18529

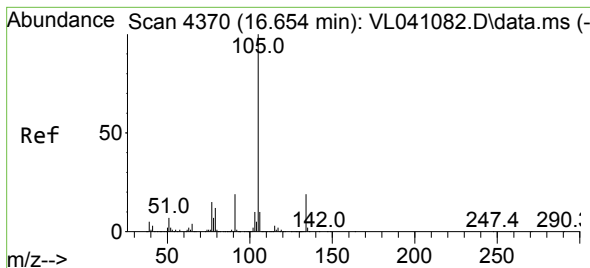
Ion Ratio Lower Upper

119 100

91 204.1 67.8 101.8#

134 31.1 16.2 24.2#





#67

sec-Butylbenzene

Concen: 0.049 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

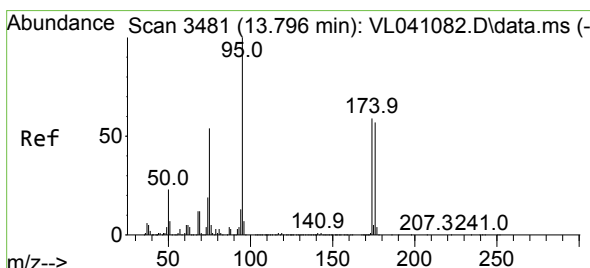
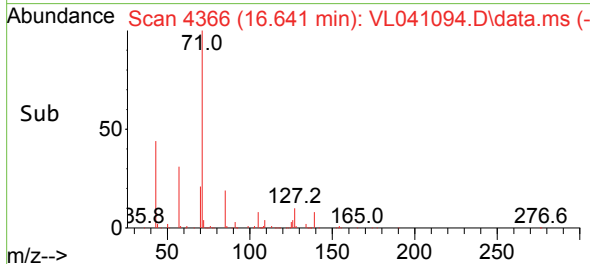
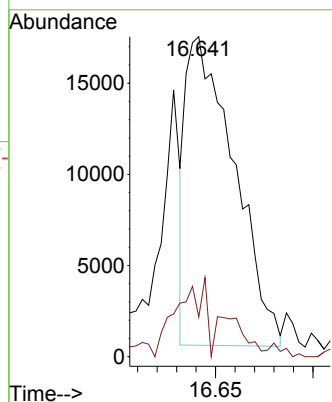
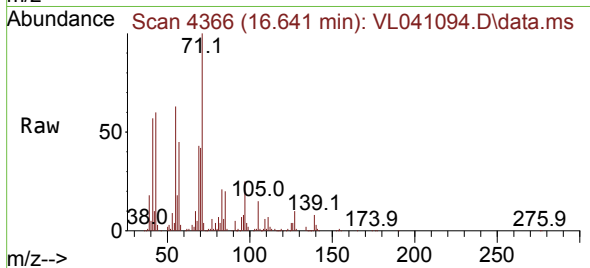
SV1

Tgt Ion:105 Resp: 29232

Ion Ratio Lower Upper

105 100

134 25.5 14.3 21.5#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.632 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.000 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

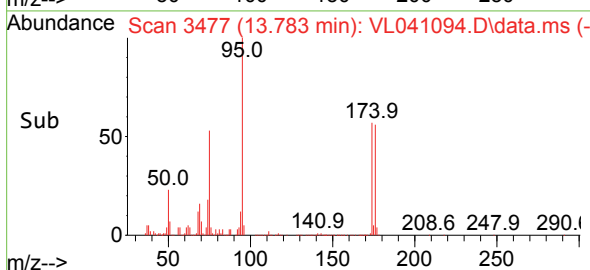
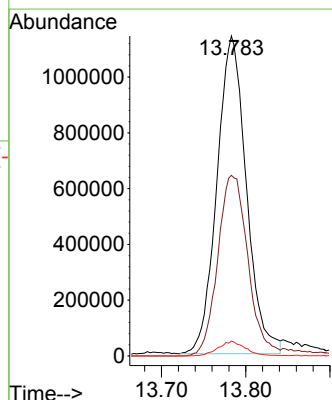
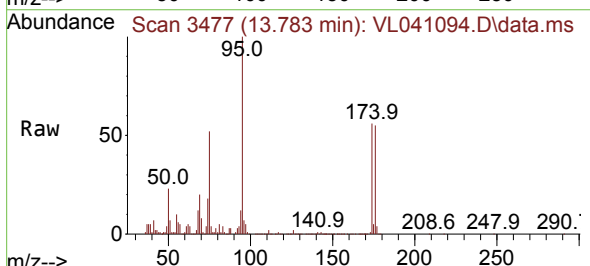
Tgt Ion: 95 Resp: 2761936

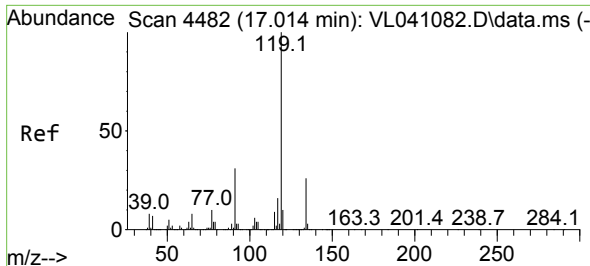
Ion Ratio Lower Upper

95 100

174 61.4 47.8 71.8

175 4.4 3.5 5.3

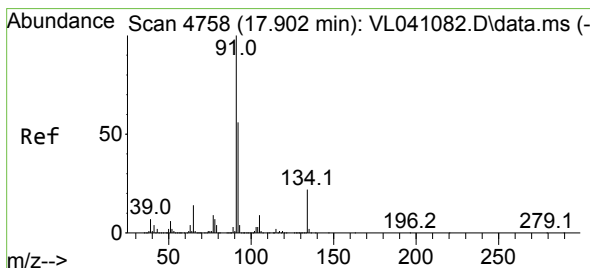
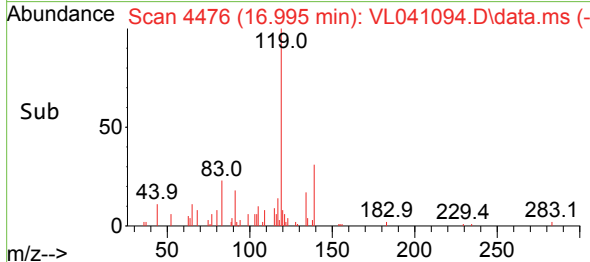
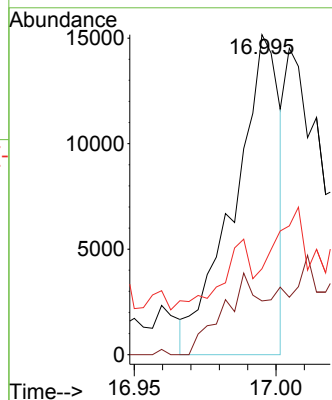
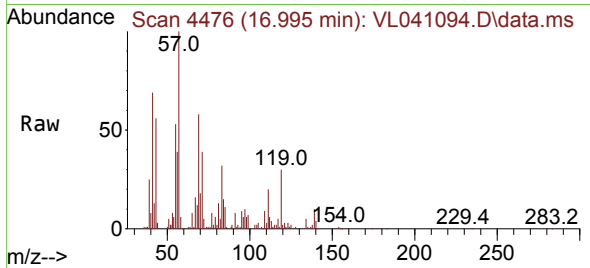




#69
p-Isopropyltoluene
Concen: 0.036 ppbv
RT: 16.995 min Scan# 4482
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

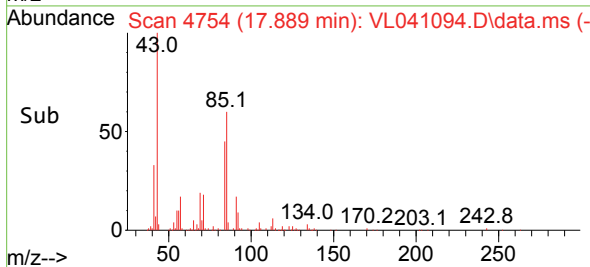
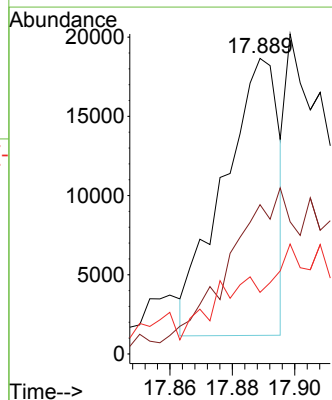
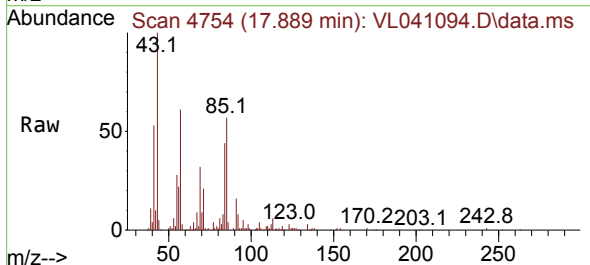
Instrument :
MSVOA_L
ClientSampleId :
SV1

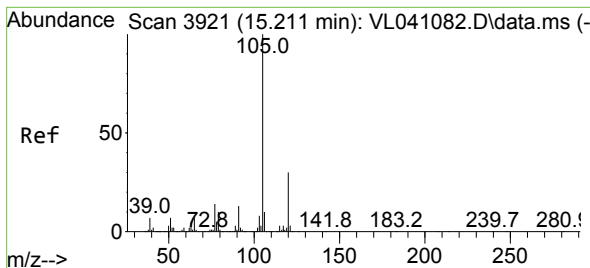
Tgt Ion:119 Resp: 16902
Ion Ratio Lower Upper
119 100
134 0.0 20.6 30.8#
91 0.0 24.7 37.1#



#70
n-Butylbenzene
Concen: 0.043 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.003 min
Lab File: VL041094.D
Acq: 12 Mar 2024 11:50

Tgt Ion: 91 Resp: 21589
Ion Ratio Lower Upper
91 100
92 0.0 43.4 65.2#
134 0.0 17.4 26.0#





#72

4-Ethyltoluene

Concen: 0.111 ppbv

RT: 15.204 min Scan# 3919

Delta R.T. 0.006 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 39648

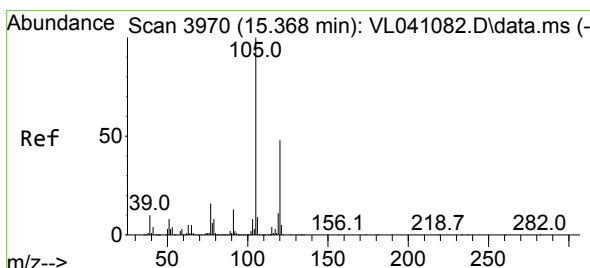
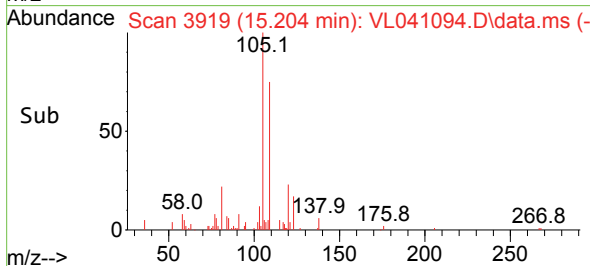
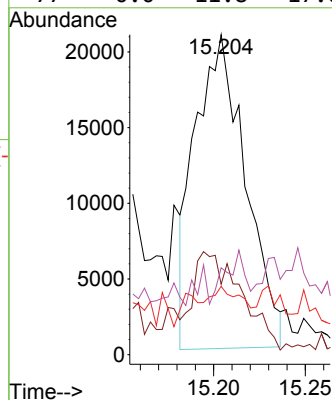
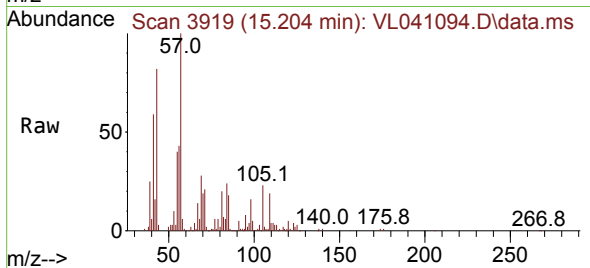
Ion Ratio Lower Upper

105 100

120 41.6 23.8 35.8#

91 0.0 10.9 16.3#

77 0.0 11.8 17.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.096 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.003 min

Lab File: VL041094.D

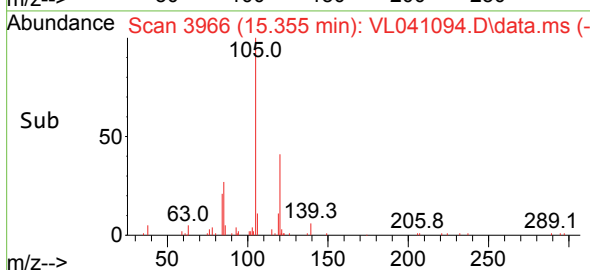
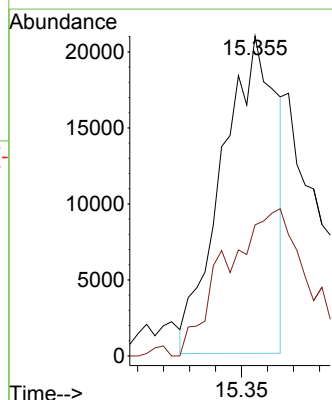
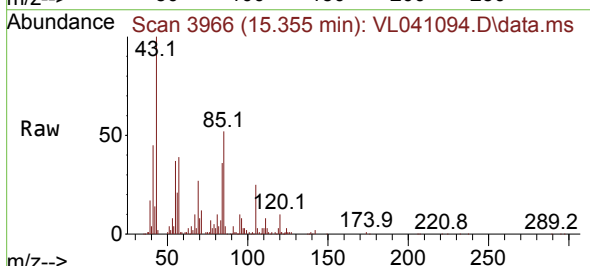
Acq: 12 Mar 2024 11:50

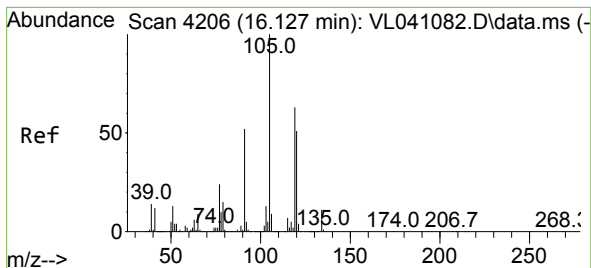
Tgt Ion:105 Resp: 30377

Ion Ratio Lower Upper

105 100

120 47.8 38.7 58.1





#74

1,2,4-Trimethylbenzene

Concen: 0.288 ppbv

RT: 16.117 min Scan# 4315

Delta R.T. 0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 104081

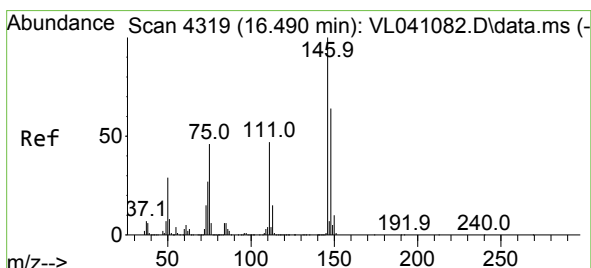
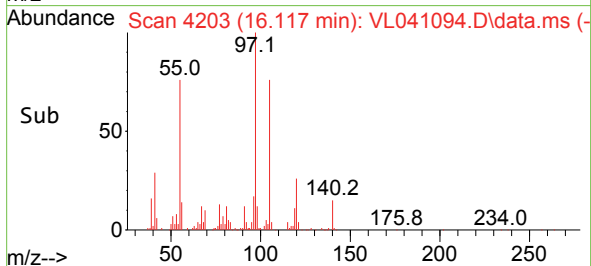
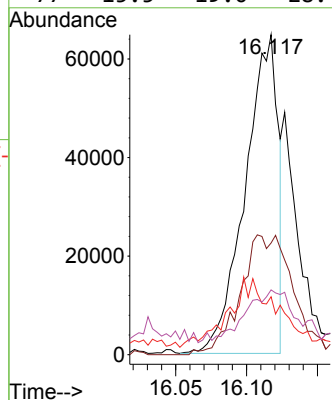
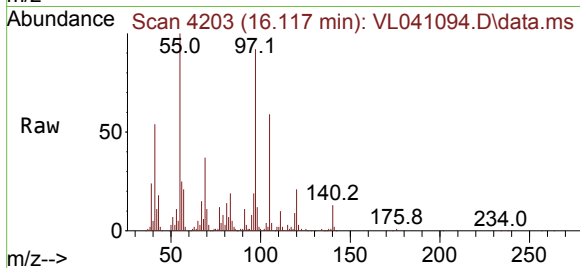
Ion Ratio Lower Upper

105 100

120 35.0 40.4 60.6#

91 15.8 41.4 62.0#

77 15.5 19.0 28.4#



#76

1,4-Dichlorobenzene

Concen: 0.037 ppbv

RT: 16.477 min Scan# 4315

Delta R.T. -0.003 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

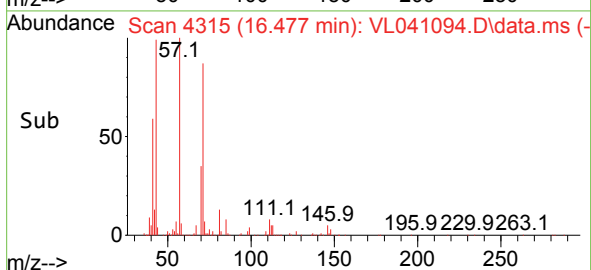
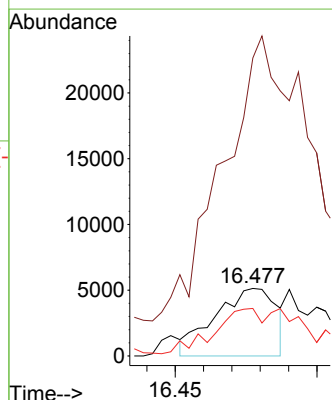
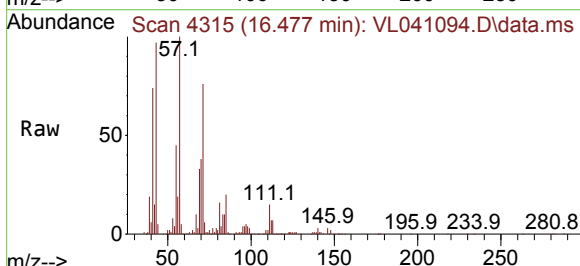
Tgt Ion:146 Resp: 7709

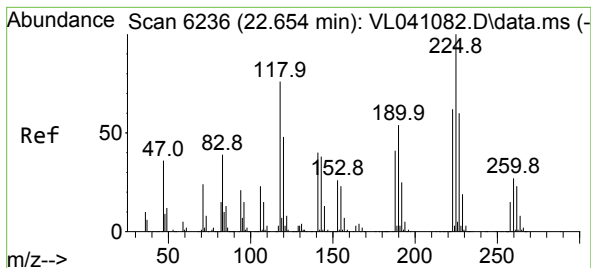
Ion Ratio Lower Upper

146 100

111 674.3 23.9 71.7#

148 129.1 32.9 98.6#





#78

Hexachloro-1,3-Butadiene

Concen: 0.033 ppbv

RT: 22.638 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

Instrument :

MSVOA_L

ClientSampleId :

SV1

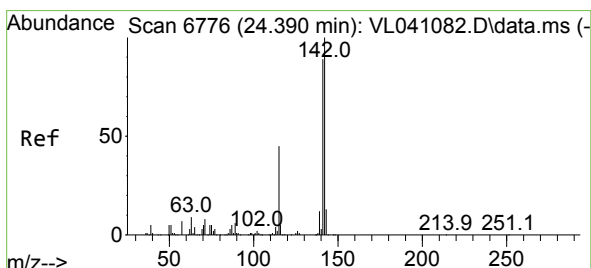
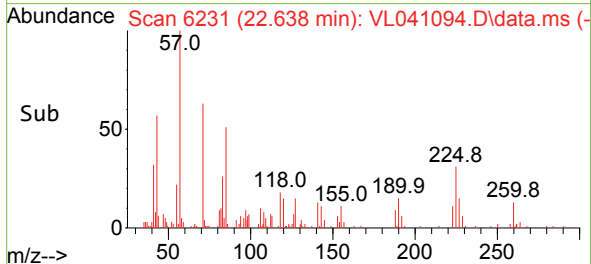
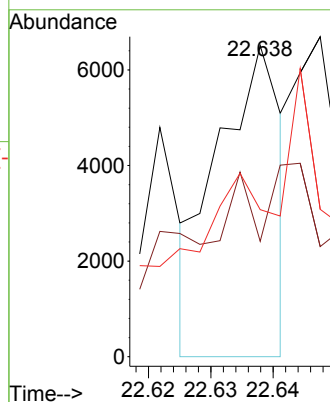
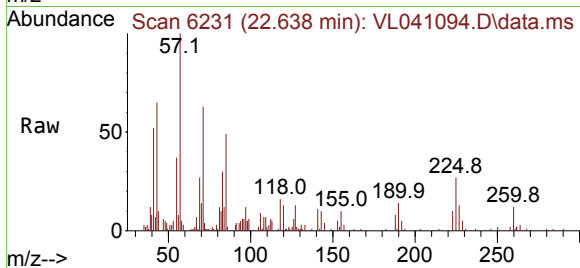
Tgt Ion:225 Resp: 4658

Ion Ratio Lower Upper

225 100

223 0.0 51.1 76.7#

227 0.0 51.1 76.7#



#80

Naphthalene,2-methyl-

Concen: 0.531 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.009 min

Lab File: VL041094.D

Acq: 12 Mar 2024 11:50

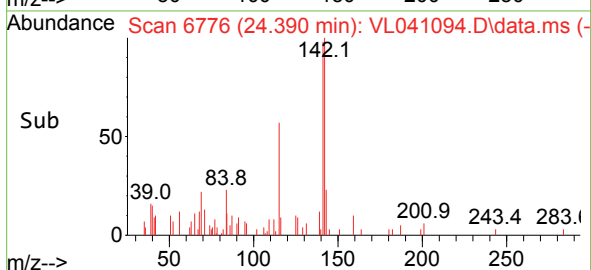
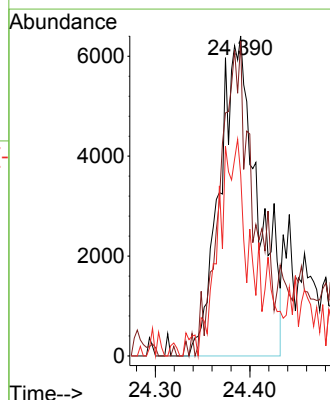
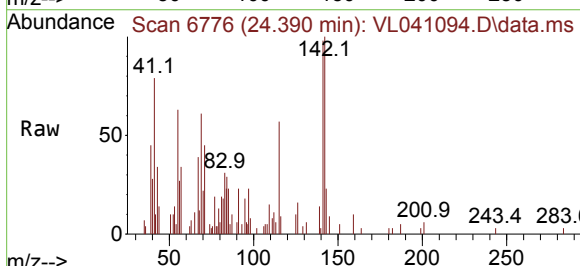
Tgt Ion:142 Resp: 17794

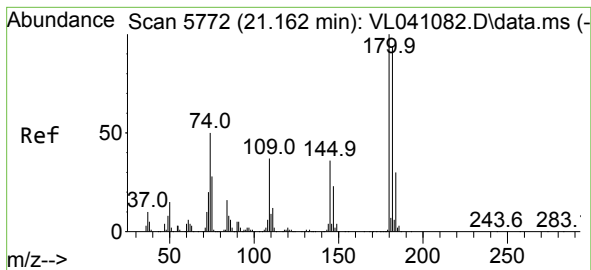
Ion Ratio Lower Upper

142 100

141 119.2 61.3 91.9#

115 77.2 35.4 53.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.035 ppbv
 RT: 21.149 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL041094.D
 Acq: 12 Mar 2024 11:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tgt Ion:180 Resp: 4188
 Ion Ratio Lower Upper
 180 100
 182 451.9 78.7 118.1#
 184 127.0 25.3 37.9#

