

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040123.D
 Acq On : 19 Jan 2023 21:23
 Operator : SY/MD
 Sample : 01223-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2

Quant Time: Jan 20 02:10:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1006273	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.674	114	2727361	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.497	117	2484881	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	2283125	11.055	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	18867	0.107	ppbv	96
3) Chlorodifluoromethane	2.652	51	20352	0.169	ppbv #	72
4) Chloromethane	2.812	50	11067	0.148	ppbv #	81
9) Propene	2.873	41	4629426	92.318	ppbv	99
10) Heptane	7.603	43	110218	0.954	ppbv #	27
11) Trichlorofluoromethane	3.574	101	6916	0.039	ppbv	97
13) Ethanol	3.240	45	470815	102.006	ppbv	96
15) Acetone	3.465	43	4873170	40.380	ppbv #	85
16) 1,3-Butadiene	2.970	39	236622	4.205	ppbv #	23
17) tert-Butyl alcohol	3.896	59	48722	0.434	ppbv #	72
19) Isopropyl Alcohol	3.587	45	93762	1.588	ppbv #	90
20) Methylene Chloride	3.941	84	119354	2.242	ppbv	96
21) Allyl Chloride	3.899	41	16325	0.211	ppbv #	61
23) Vinyl Acetate	4.619	43	1335835	34.147	ppbv #	8
25) Ethyl Acetate	5.217	43	293515	1.381	ppbv	97
26) Hexane	5.230	57	174035	1.870	ppbv #	76
29) Chloroform	5.288	83	5299	0.036	ppbv	86
30) Cyclohexane	6.623	84	599321	8.103	ppbv	96
31) cis-1,2-Dichloroethene	5.217	61	24306	0.270	ppbv #	26
34) 2-Butanone	4.793	43	2227104	17.263	ppbv	99
36) Benzene	6.388	78	131088	0.649	ppbv	96
39) 1,2-Dichloropropane	7.343	63	13673	0.173	ppbv #	1
41) Tetrahydrofuran	5.574	42	395774	5.315	ppbv	94
42) Bromodichloromethane	7.275	83	243136	1.388	ppbv #	25
43) Methyl Methacrylate	7.349	69	794637	10.729	ppbv #	1
44) 2,2,4-Trimethylpentane	7.352	57	10230464	30.480	ppbv #	72
47) 1,1,2-Trichloroethane	9.021	97	292495	3.519	ppbv #	57
50) 4-Methyl-2-Pentanone	8.243	43	93080	0.459	ppbv	98
51) 2-Hexanone	9.561	43	102888	0.669	ppbv #	61
52) Tetrachloroethene	10.645	164	11034	0.167	ppbv	94
53) Toluene	9.249	91	594597	2.762	ppbv	100
57) Chlorobenzene	11.600	112	415380	2.452	ppbv #	28
58) Ethyl Benzene	12.121	91	268379	0.968	ppbv	99
59) m/p-Xylene	12.381	91	598476	2.400	ppbv	91
60) o-Xylene	13.092	91	262334	1.108	ppbv	98
62) Isopropylbenzene	14.063	105	70492	0.207	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.175	83	364623	4.243	ppbv #	29
64) n-propylbenzene	14.950	120	16381	0.194	ppbv #	1
65) tert-Butylbenzene	16.137	119	15838	0.054	ppbv #	37
66) Benzyl Chloride	16.371	91	941	0.047	ppbv #	65
71) 2-Chlorotoluene	14.953	91	111044	0.424	ppbv	98
72) 4-Ethyltoluene	15.227	105	91271	0.348	ppbv #	80
73) 1,3,5-Trimethylbenzene	15.387	105	80081	0.339	ppbv	94

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-2

Quant Time: Jan 20 02:10:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

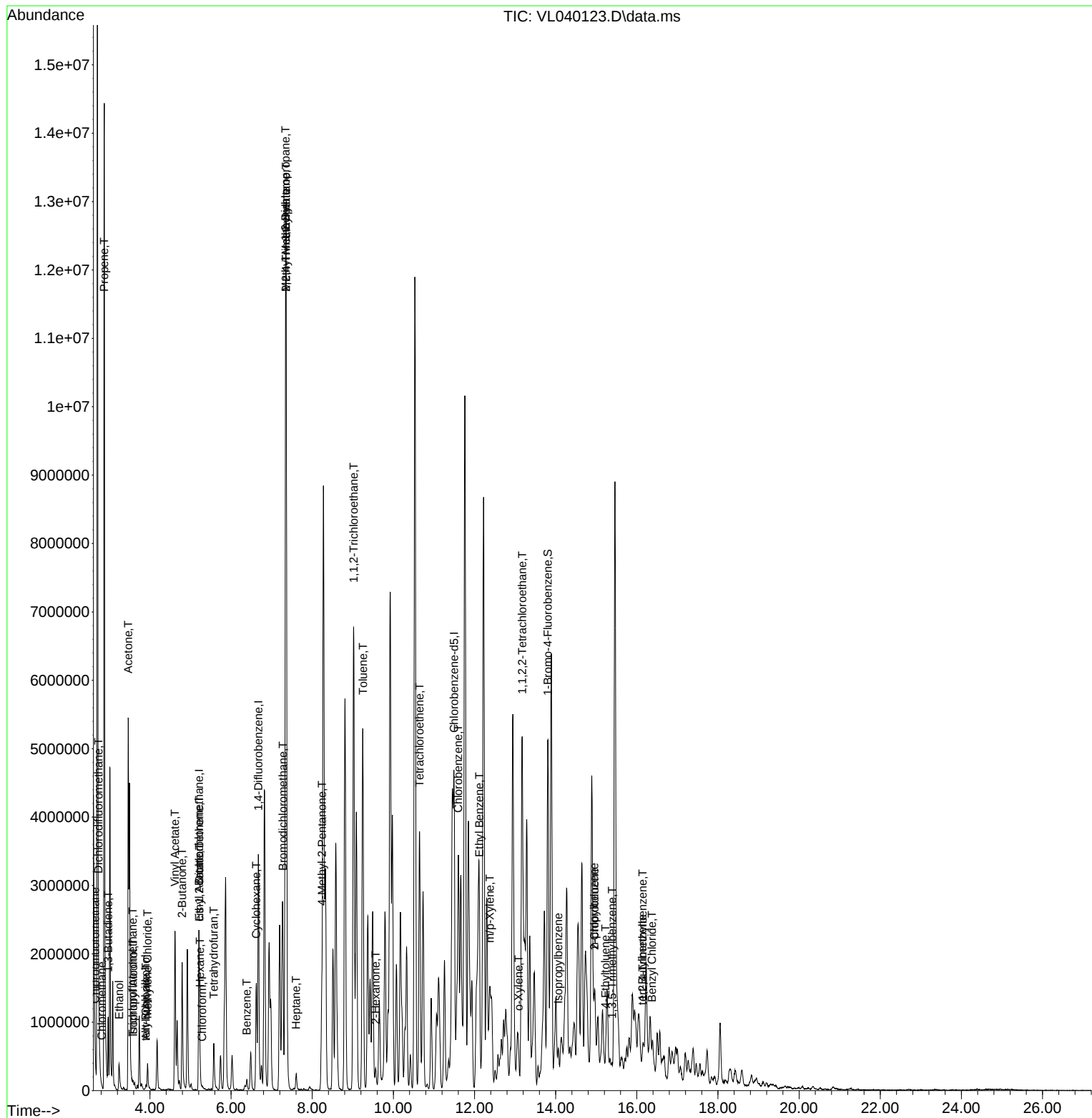
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.143	105	205889	0.786	ppbv	# 66

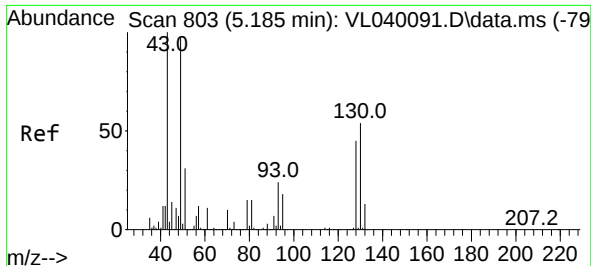
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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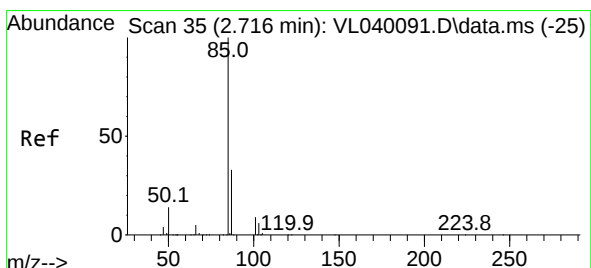
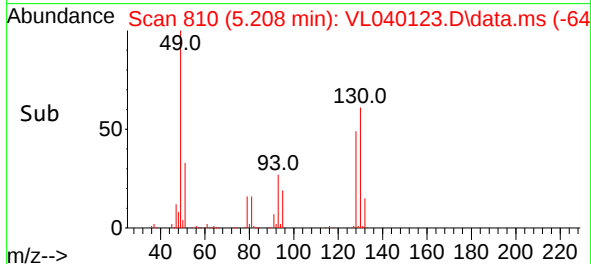
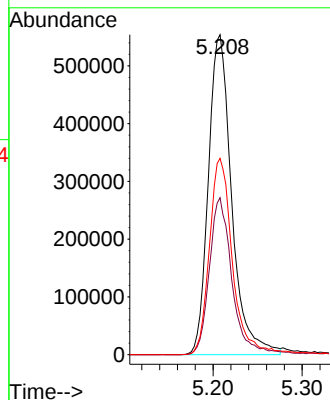
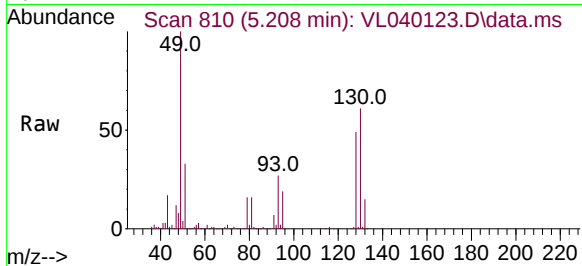




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.023 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

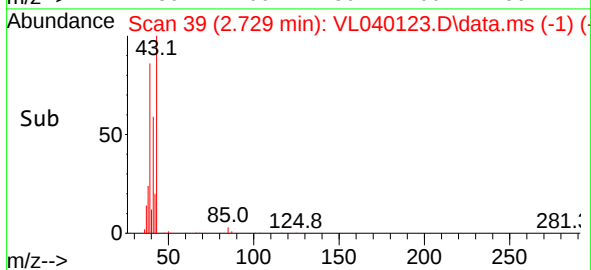
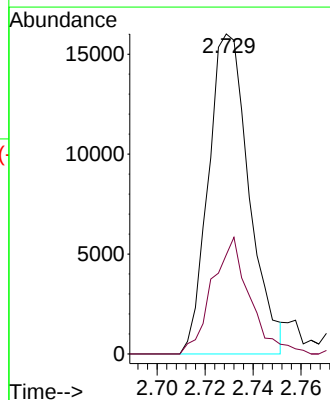
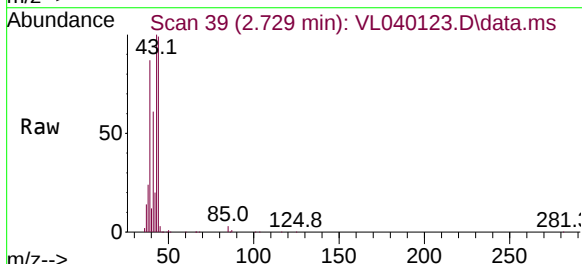
Instrument :
MSVOA_L
ClientSampleId :
VP-2

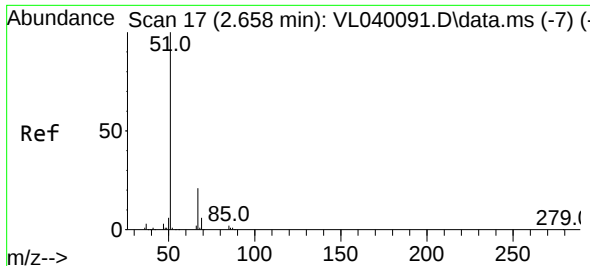
Tgt Ion: 49 Resp: 1006273
Ion Ratio Lower Upper
49 100
128 48.6 23.6 71.0
130 61.5 29.8 89.3



#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 85 Resp: 18867
Ion Ratio Lower Upper
85 100
87 31.0 26.5 39.7

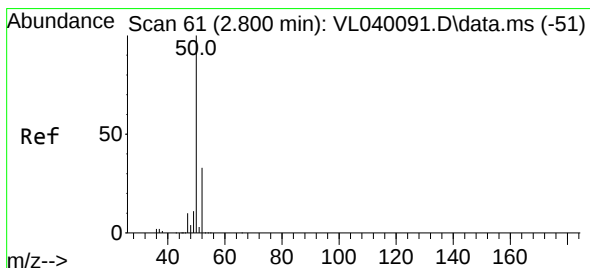
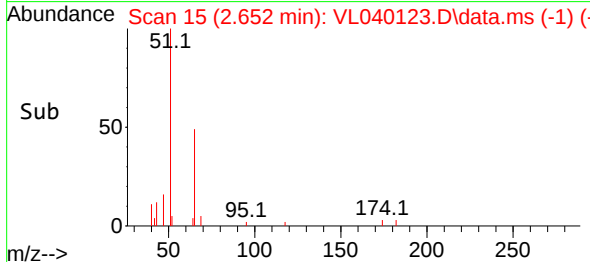
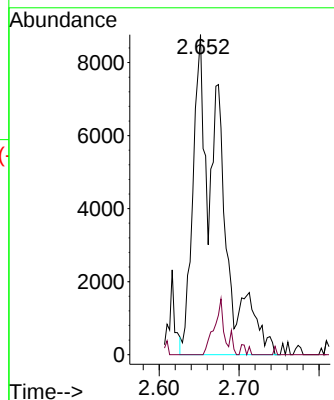
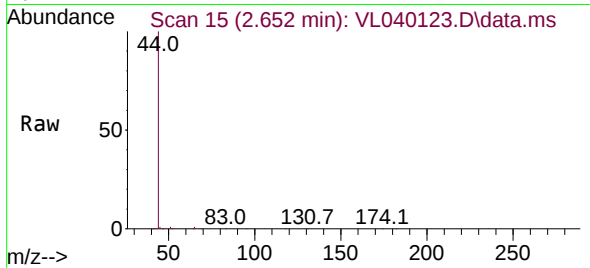




#3
Chlorodifluoromethane
Concen: 0.169 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

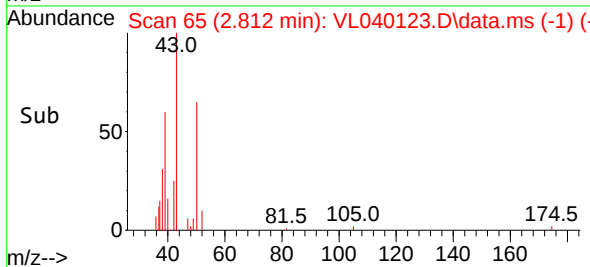
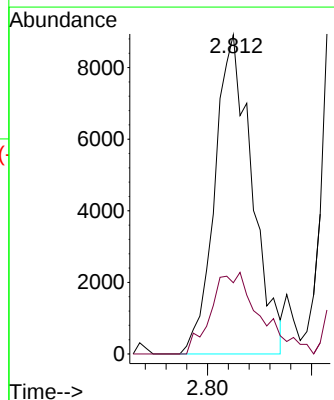
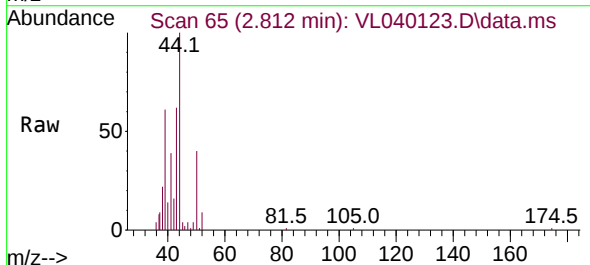
Instrument :
MSVOA_L
ClientSampleId :
VP-2

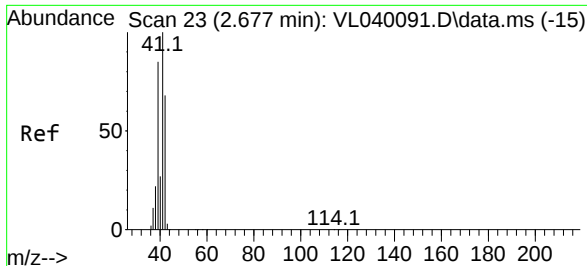
Tgt Ion: 51 Resp: 20352
Ion Ratio Lower Upper
51 100
67 7.6 16.4 24.6#



#4
Chloromethane
Concen: 0.148 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.013 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 50 Resp: 11067
Ion Ratio Lower Upper
50 100
52 22.3 26.5 39.7#





#9

Propene

Concen: 92.318 ppbv

RT: 2.873 min Scan# 84

Delta R.T. 0.196 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

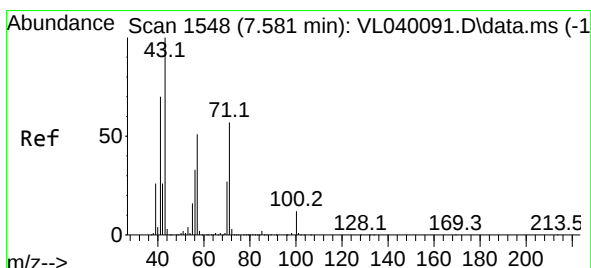
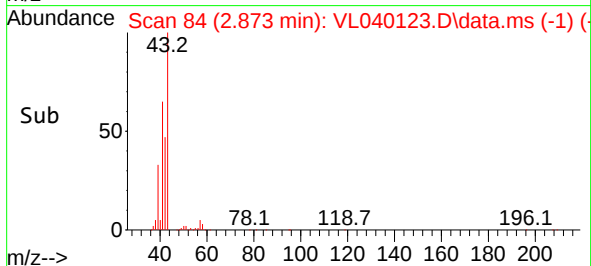
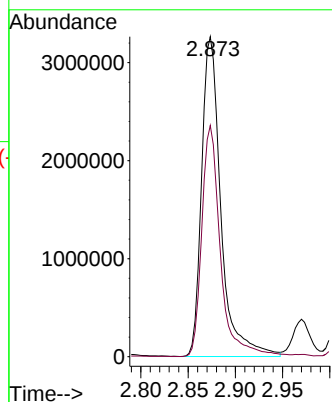
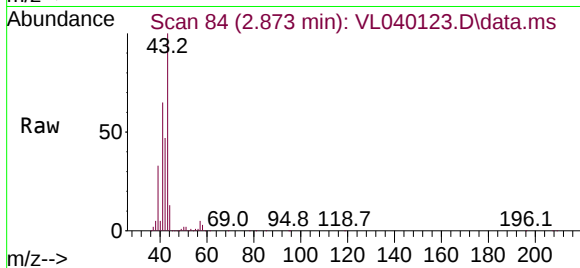
VP-2

Tgt Ion: 41 Resp: 4629426

Ion Ratio Lower Upper

41 100

42 70.0 55.6 83.4



#10

Heptane

Concen: 0.954 ppbv

RT: 7.603 min Scan# 1555

Delta R.T. 0.022 min

Lab File: VL040123.D

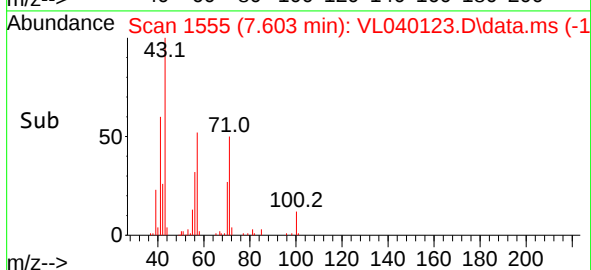
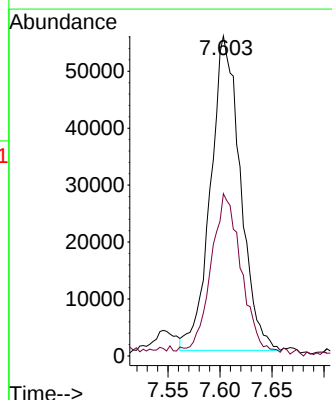
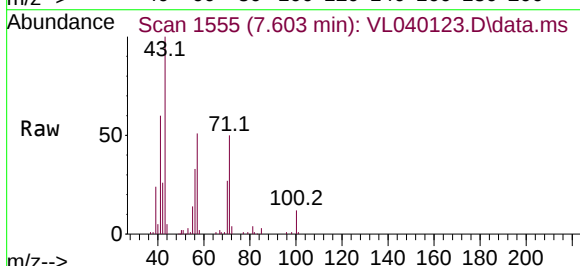
Acq: 19 Jan 2023 21:23

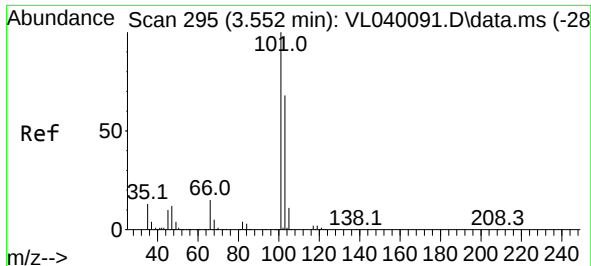
Tgt Ion: 43 Resp: 110218

Ion Ratio Lower Upper

43 100

57 0.0 40.9 61.3#

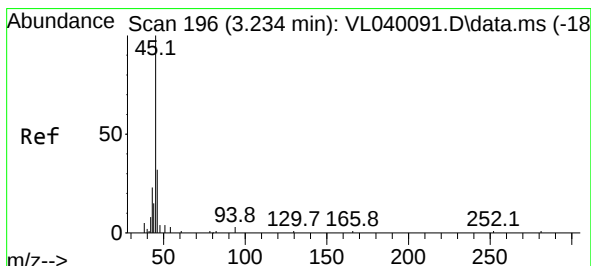
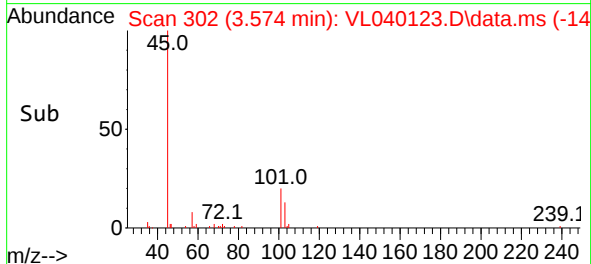
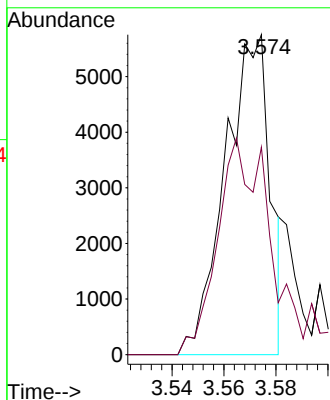
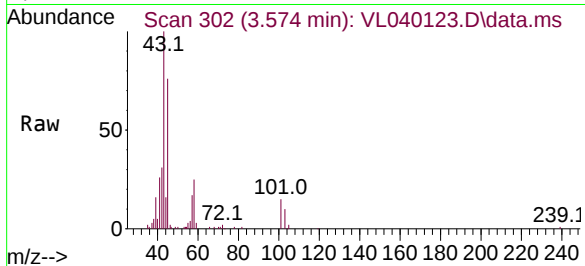




#11
Trichlorofluoromethane
Concen: 0.039 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.022 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

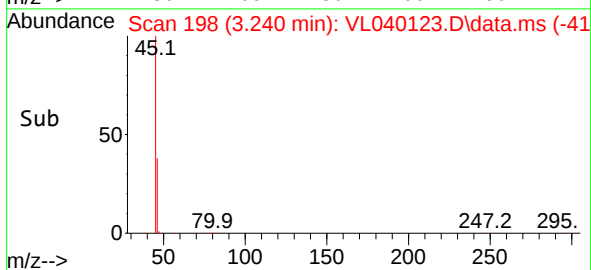
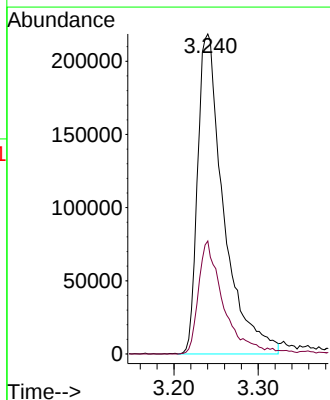
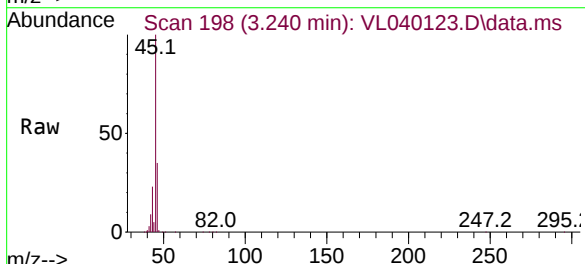
Instrument :
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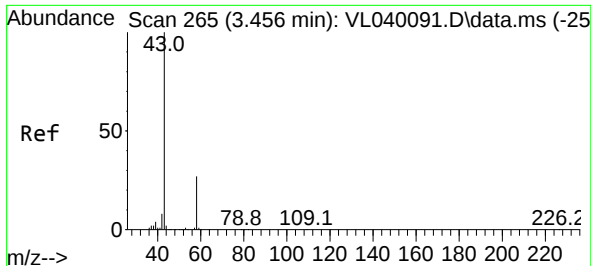
Tgt Ion:101 Resp: 6916
Ion Ratio Lower Upper
101 100
103 64.8 54.0 81.0



#13
Ethanol
Concen: 102.006 ppbv
RT: 3.240 min Scan# 198
Delta R.T. 0.006 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 45 Resp: 470815
Ion Ratio Lower Upper
45 100
46 34.9 14.8 59.2

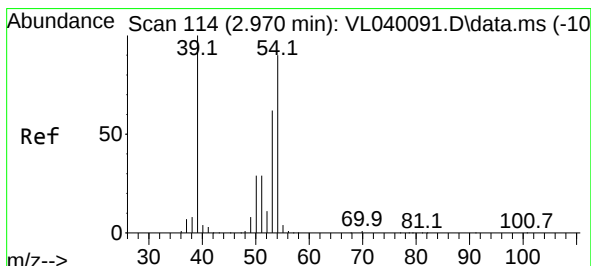
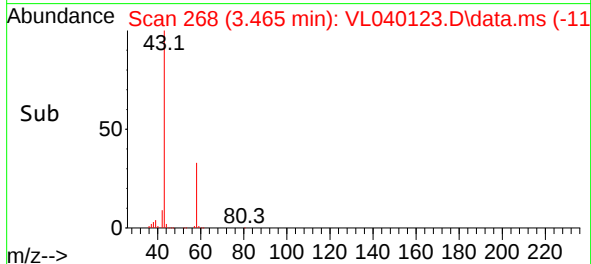
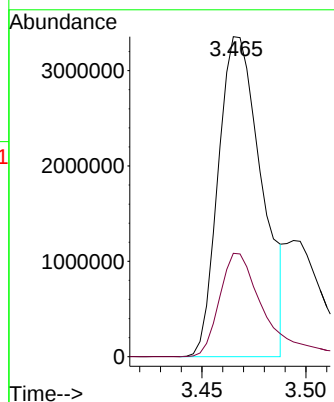
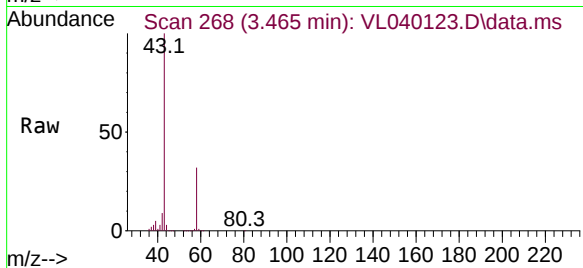




#15
Acetone
Concen: 40.380 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.010 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

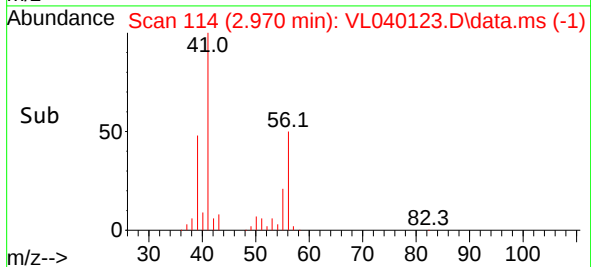
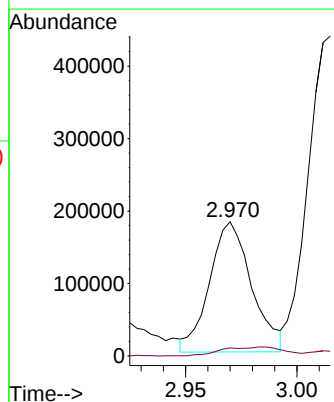
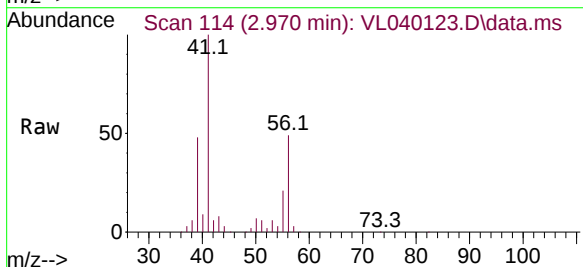
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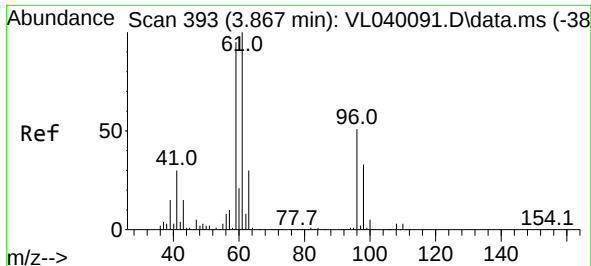
Tgt Ion: 43 Resp: 4873170
Ion Ratio Lower Upper
43 100
58 35.3 21.8 32.8#



#16
1,3-Butadiene
Concen: 4.205 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 39 Resp: 236622
Ion Ratio Lower Upper
39 100
54 14.3 67.9 101.9#





#17

tert-Butyl alcohol

Concen: 0.434 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.029 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

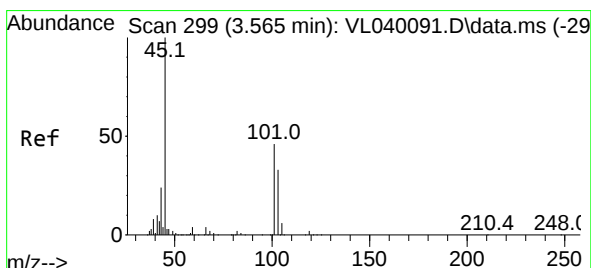
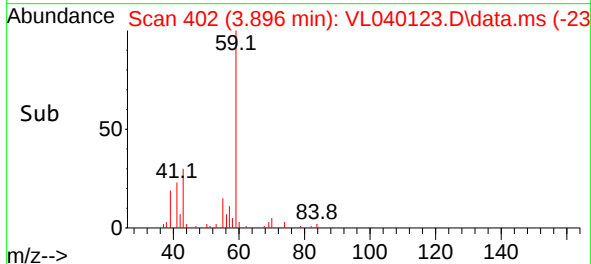
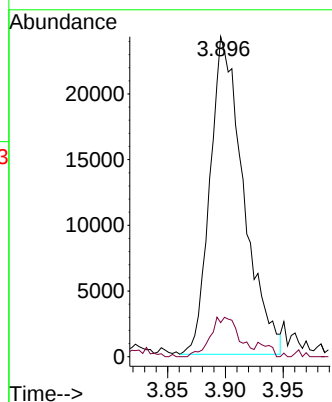
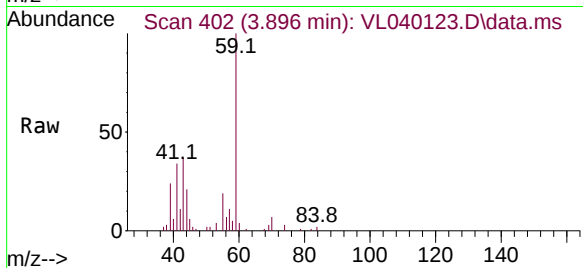
VP-2

Tgt Ion: 59 Resp: 48722

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 1.588 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.022 min

Lab File: VL040123.D

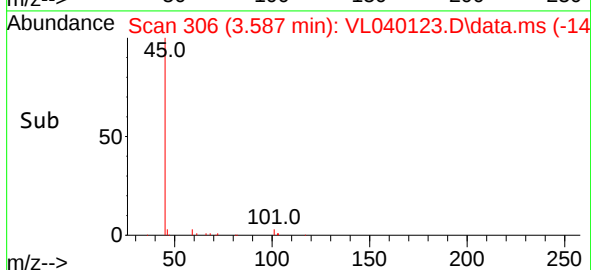
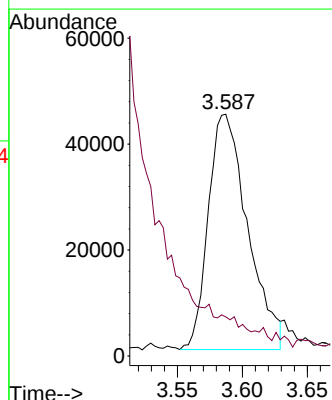
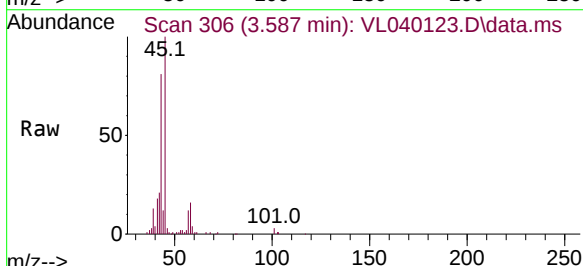
Acq: 19 Jan 2023 21:23

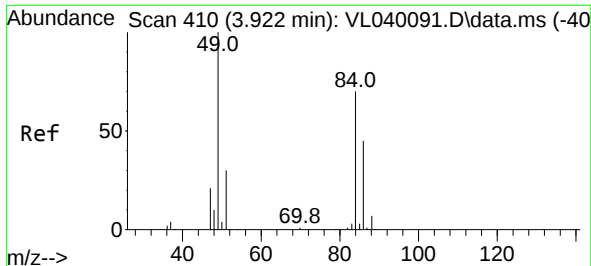
Tgt Ion: 45 Resp: 93762

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#



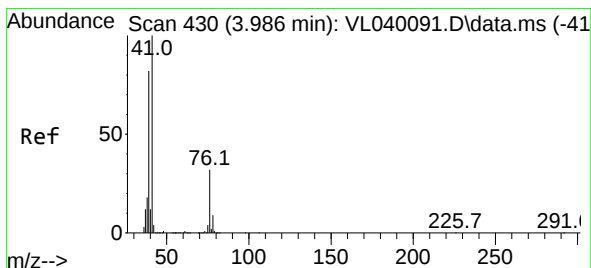
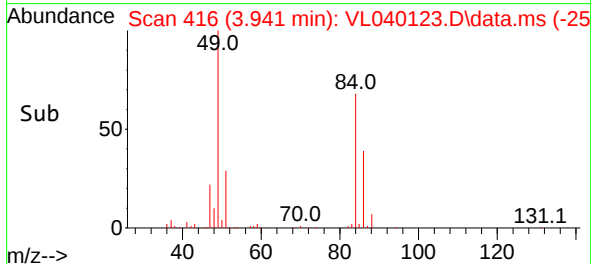
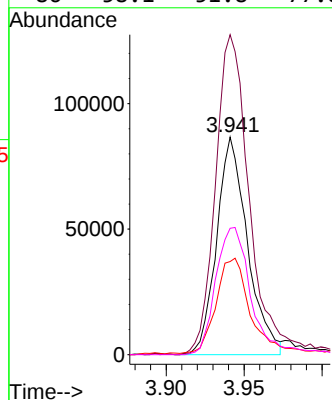
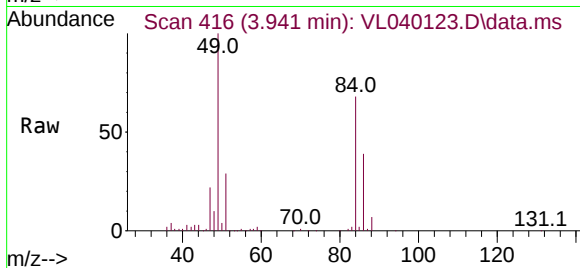


#20
Methylene Chloride
Concen: 2.242 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.019 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Instrument :
MSVOA_L
ClientSampleId :
VP-2

Tgt Ion: 84 Resp: 119354

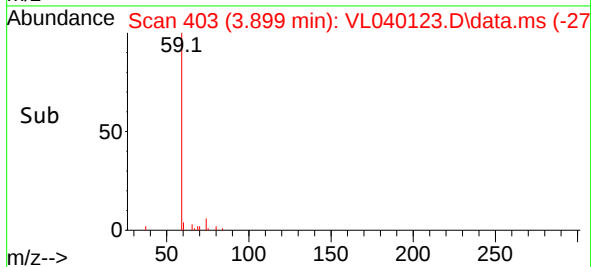
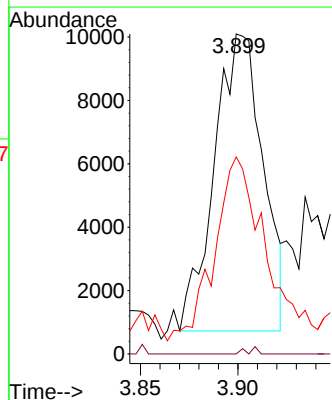
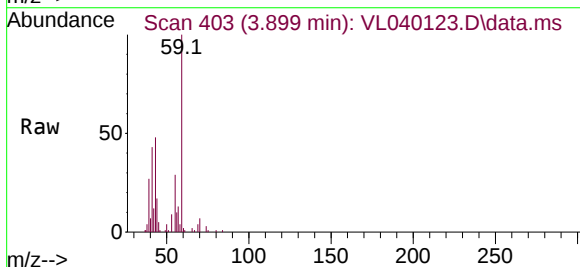
Ion	Ratio	Lower	Upper
84	100		
49	147.1	114.6	171.8
51	42.2	34.3	51.5
86	58.1	51.8	77.8

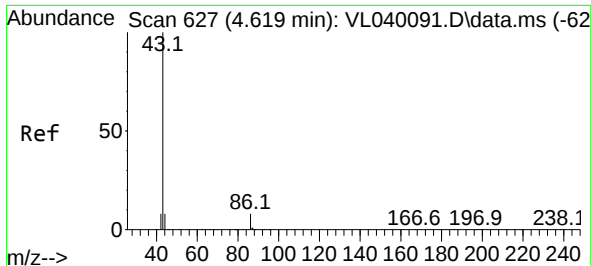


#21
Allyl Chloride
Concen: 0.211 ppbv
RT: 3.899 min Scan# 403
Delta R.T. -0.087 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 41 Resp: 16325

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	55.2	66.8	100.2#

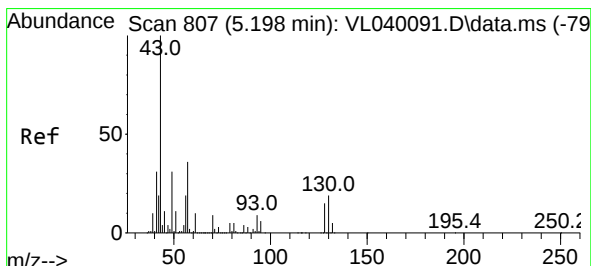
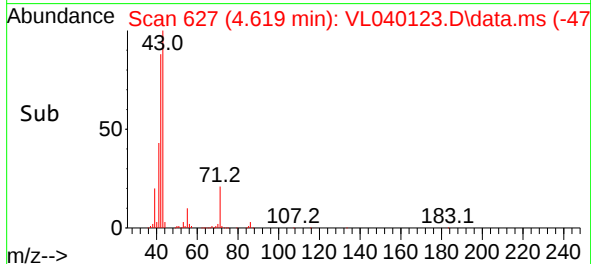
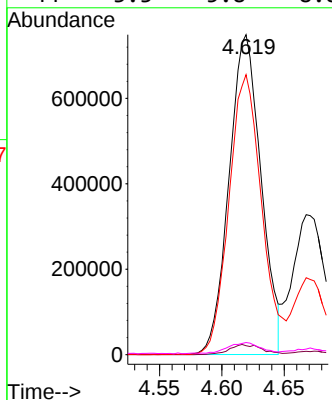
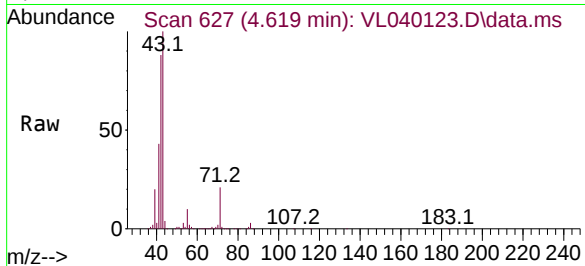




#23
 Vinyl Acetate
 Concen: 34.147 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040123.D
 Acq: 19 Jan 2023 21:23

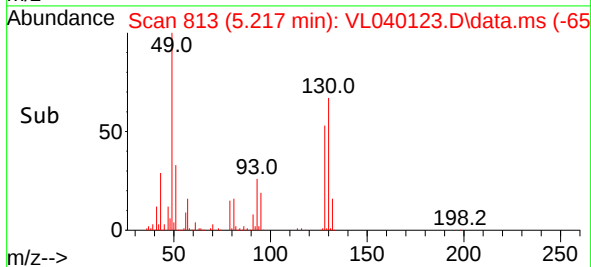
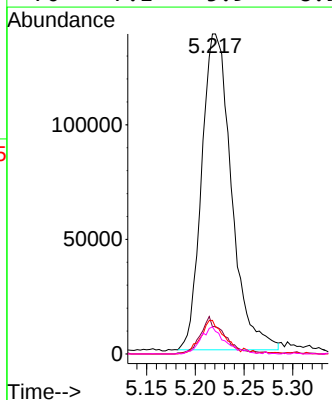
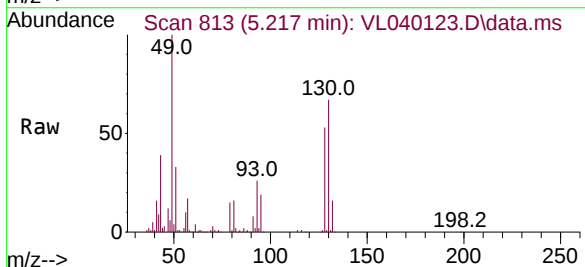
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2

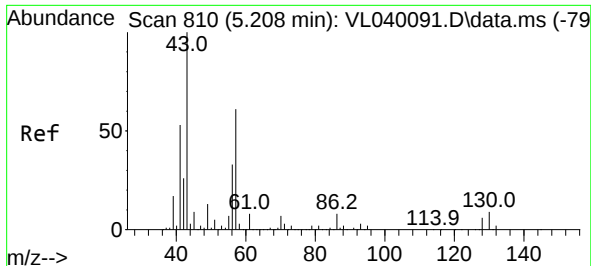
Tgt Ion: 43 Resp: 1335835
 Ion Ratio Lower Upper
 43 100
 86 2.8 5.6 8.4#
 42 87.5 7.7 11.5#
 44 3.3 5.8 8.8#



#25
 Ethyl Acetate
 Concen: 1.381 ppbv
 RT: 5.217 min Scan# 813
 Delta R.T. 0.019 min
 Lab File: VL040123.D
 Acq: 19 Jan 2023 21:23

Tgt Ion: 43 Resp: 293515
 Ion Ratio Lower Upper
 43 100
 45 9.6 8.5 12.7
 61 8.9 8.4 12.6
 70 7.1 5.9 8.9

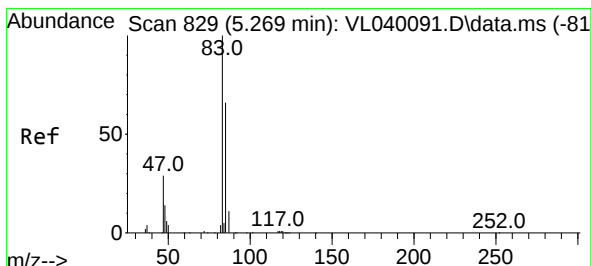
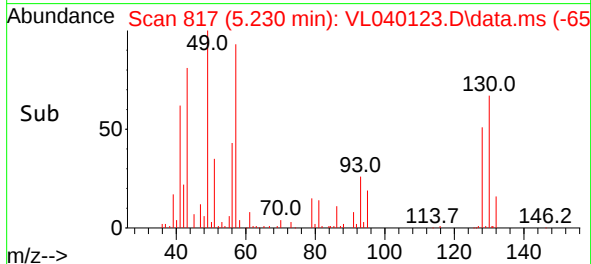
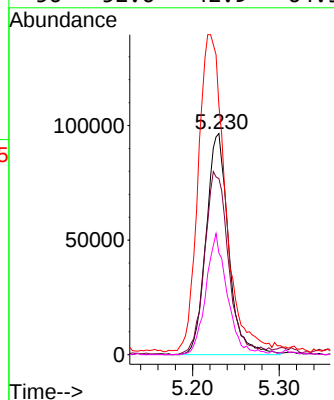
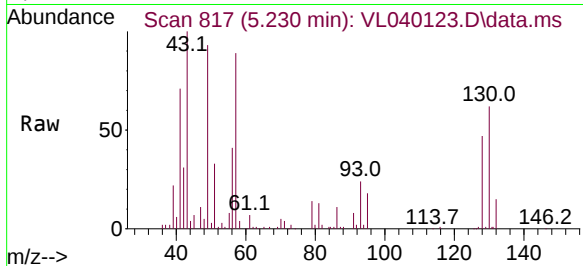




#26
Hexane
Concen: 1.870 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.022 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

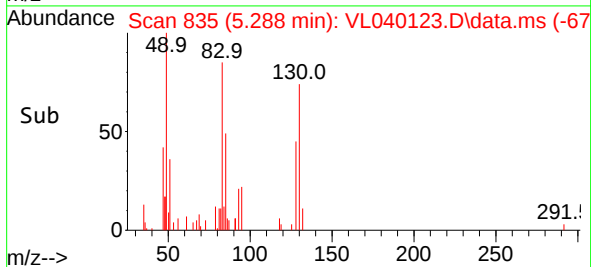
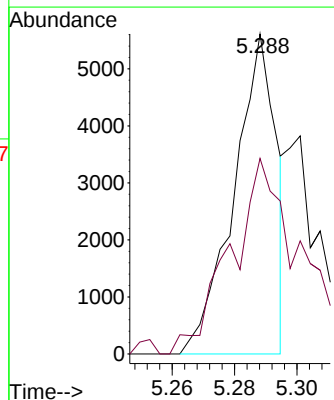
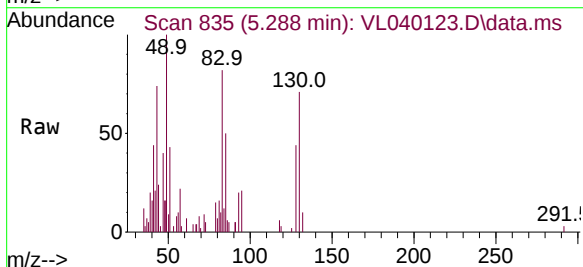
Instrument :
MSVOA_L
ClientSampleId :
VP-2

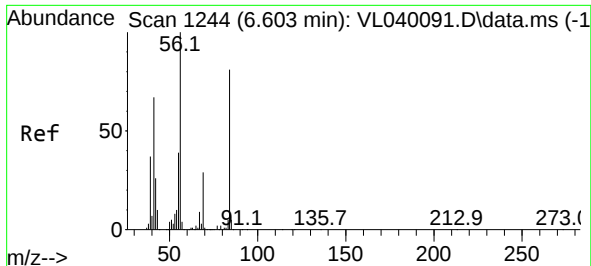
Tgt Ion: 57 Resp: 174035
Ion Ratio Lower Upper
57 100
41 91.8 72.2 108.4
43 176.3 192.1 288.1#
56 52.6 42.9 64.3



#29
Chloroform
Concen: 0.036 ppbv
RT: 5.288 min Scan# 835
Delta R.T. 0.019 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 83 Resp: 5299
Ion Ratio Lower Upper
83 100
85 55.1 53.1 79.7

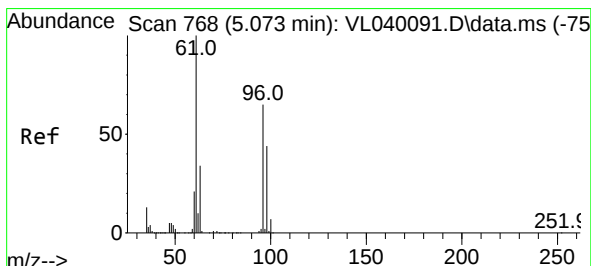
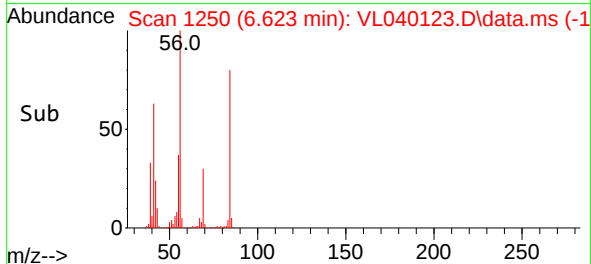
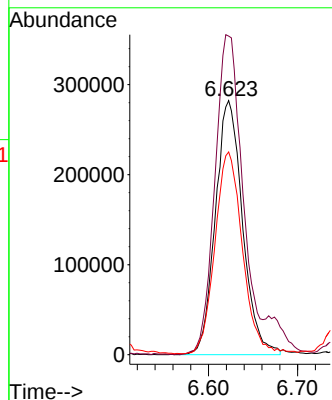
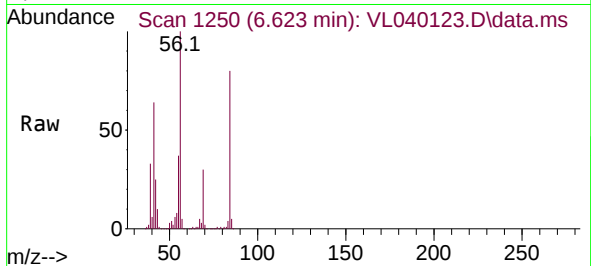




#30
Cyclohexane
Concen: 8.103 ppbv
RT: 6.623 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

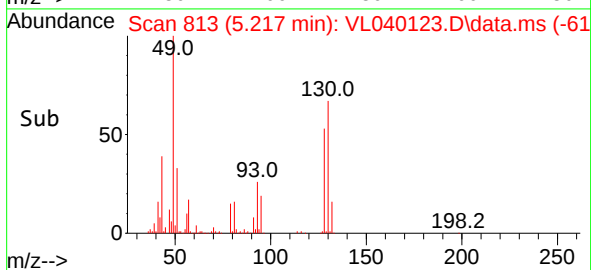
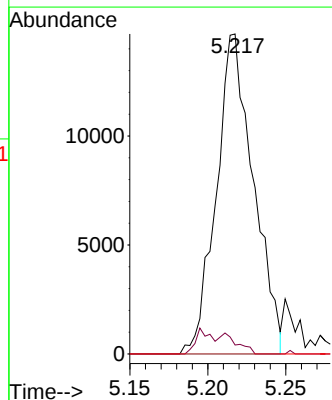
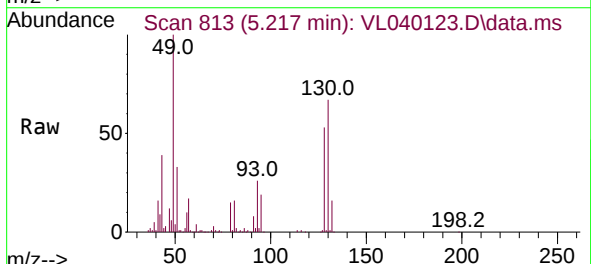
Instrument :
MSVOA_L
ClientSampleId :
VP-2

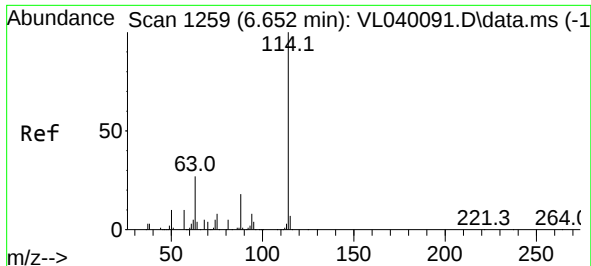
Tgt Ion: 84 Resp: 599321
Ion Ratio Lower Upper
84 100
56 138.5 111.5 167.3
41 80.8 71.4 107.0



#31
cis-1,2-Dichloroethene
Concen: 0.270 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.145 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 61 Resp: 24306
Ion Ratio Lower Upper
61 100
96 2.8 52.0 78.0#
98 0.0 35.3 52.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.022 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

VP-2

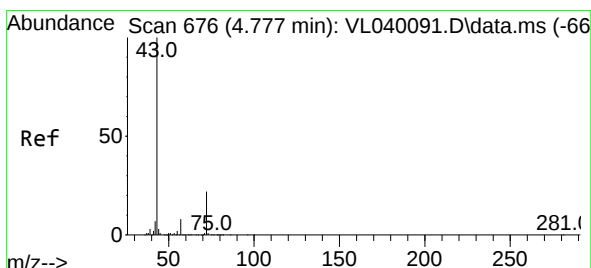
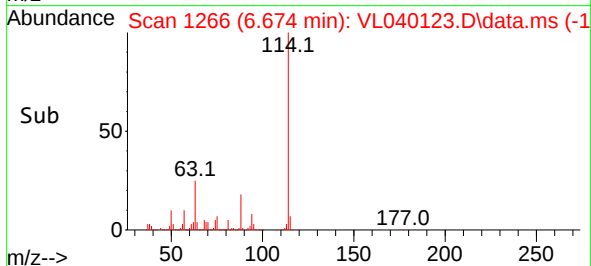
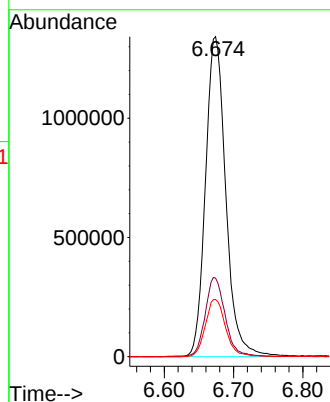
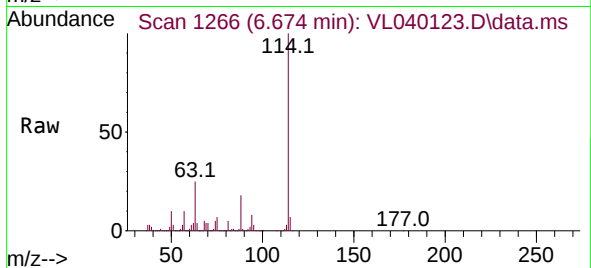
Tgt Ion:114 Resp: 2727361

Ion Ratio Lower Upper

114 100

63 24.6 21.8 32.8

88 17.9 14.8 22.2



#34

2-Butanone

Concen: 17.263 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.016 min

Lab File: VL040123.D

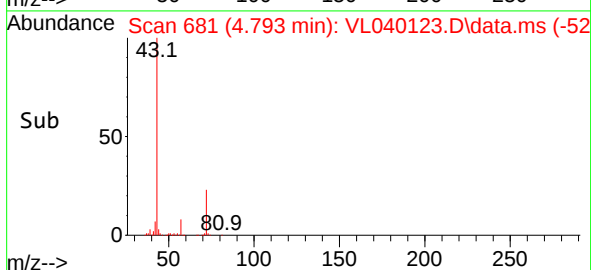
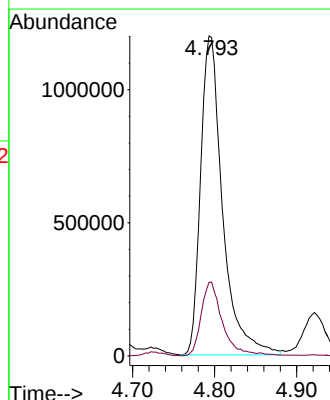
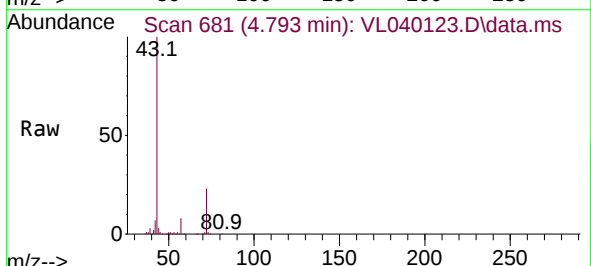
Acq: 19 Jan 2023 21:23

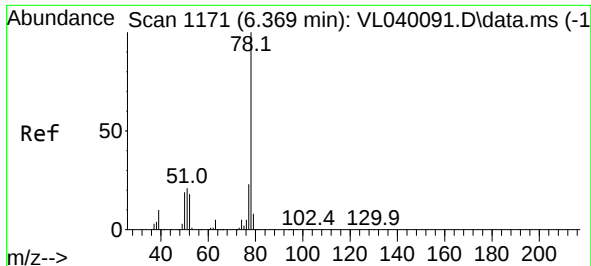
Tgt Ion: 43 Resp: 2227104

Ion Ratio Lower Upper

43 100

72 22.4 18.4 27.6

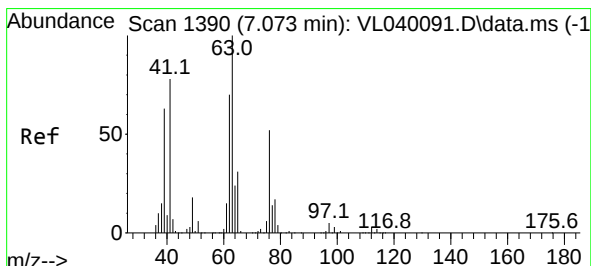
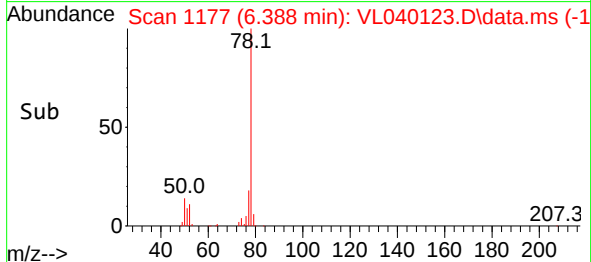
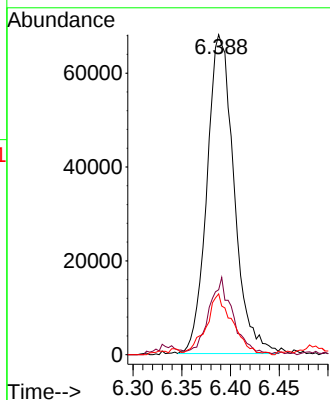
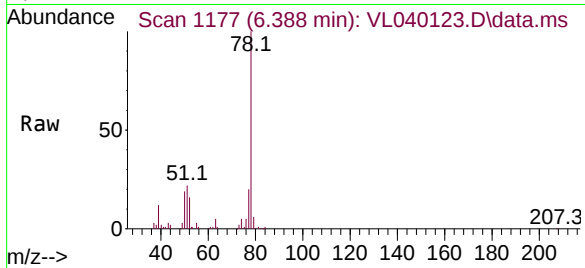




#36
Benzene
Concen: 0.649 ppbv
RT: 6.388 min Scan# 1171
Delta R.T. 0.019 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

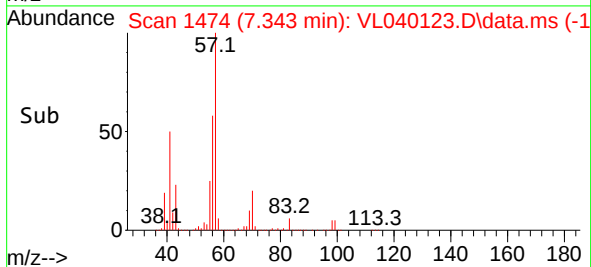
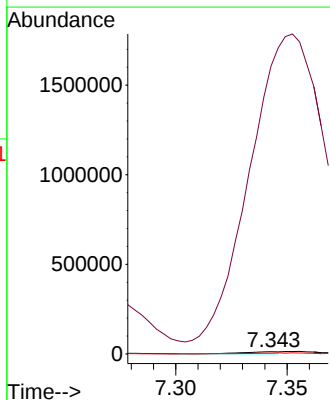
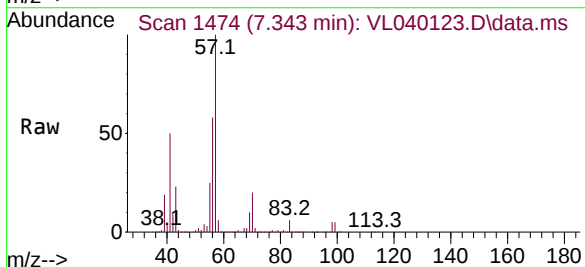
Instrument :
MSVOA_L
ClientSampleId :
VP-2

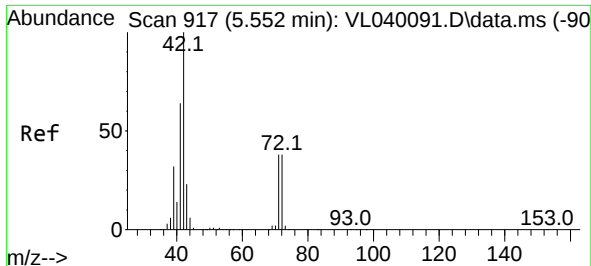
Tgt Ion: 78 Resp: 131088
Ion Ratio Lower Upper
78 100
77 20.0 18.1 27.1
50 18.0 15.6 23.4



#39
1,2-Dichloropropane
Concen: 0.173 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.270 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 63 Resp: 13673
Ion Ratio Lower Upper
63 100
41 13461.6 62.2 93.4#
62 30.8 55.8 83.8#





#41

Tetrahydrofuran

Concen: 5.315 ppbv

RT: 5.574 min Scan# 917

Delta R.T. 0.022 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

VP-2

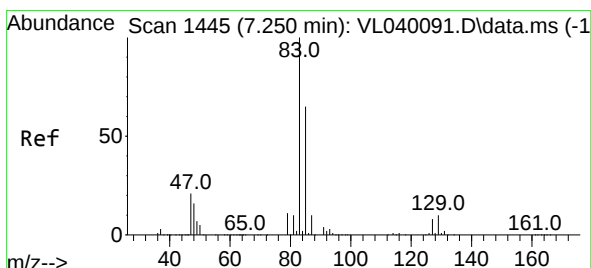
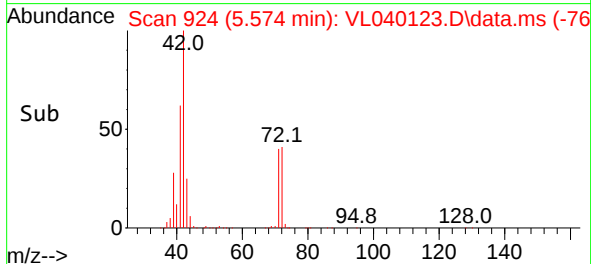
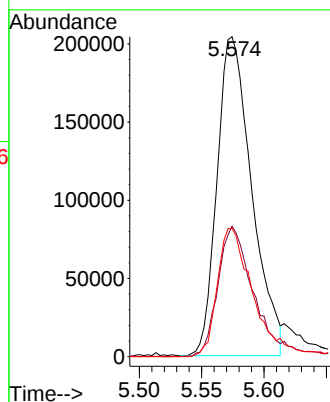
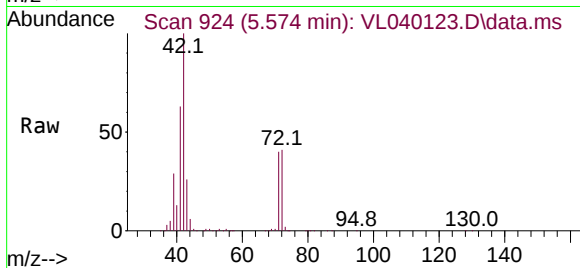
Tgt Ion: 42 Resp: 395774

Ion Ratio Lower Upper

42 100

72 43.3 31.9 47.9

71 42.8 31.4 47.2



#42

Bromodichloromethane

Concen: 1.388 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.026 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

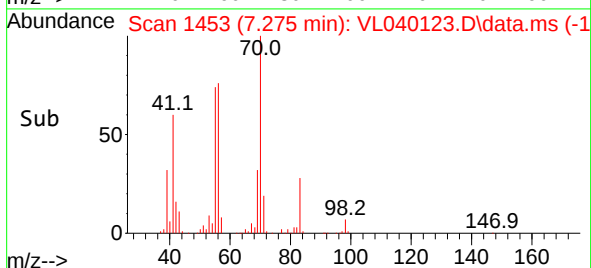
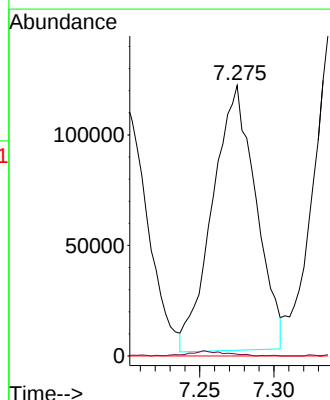
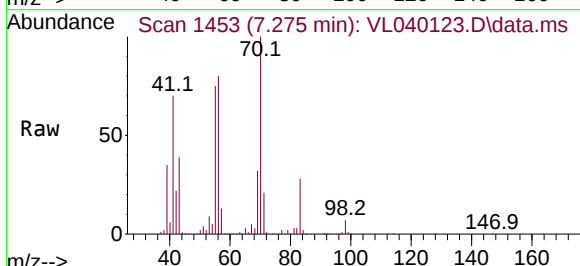
Tgt Ion: 83 Resp: 243136

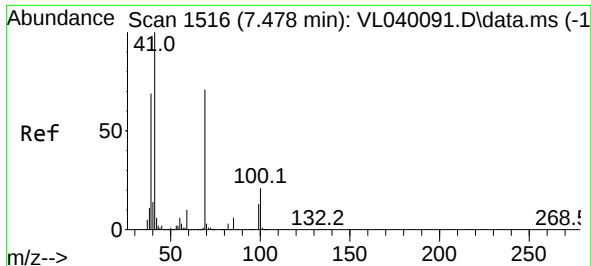
Ion Ratio Lower Upper

83 100

85 0.7 51.7 77.5#

127 0.0 6.2 9.2#





#43

Methyl Methacrylate

Concen: 10.729 ppbv

RT: 7.349 min Scan# 1476

Delta R.T. -0.129 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

VP-2

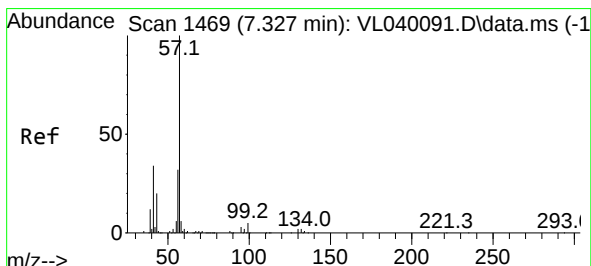
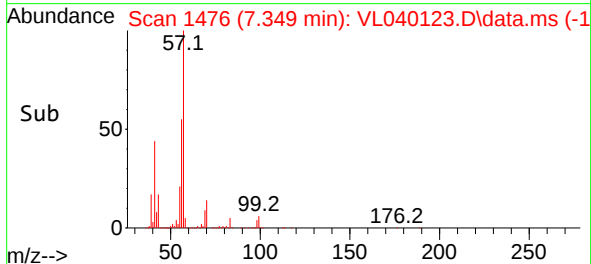
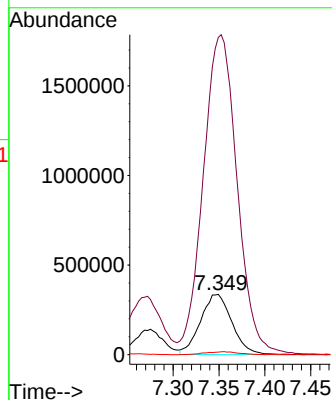
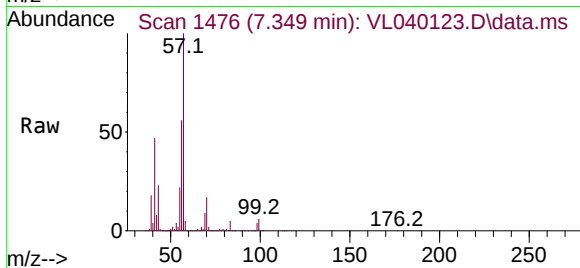
Tgt Ion: 69 Resp: 794637

Ion Ratio Lower Upper

69 100

41 580.0 118.2 177.2#

100 5.3 24.2 36.4#



#44

2,2,4-Trimethylpentane

Concen: 30.480 ppbv

RT: 7.352 min Scan# 1477

Delta R.T. 0.026 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

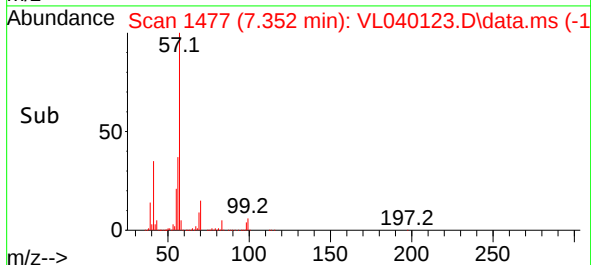
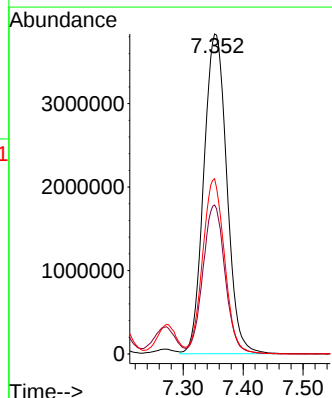
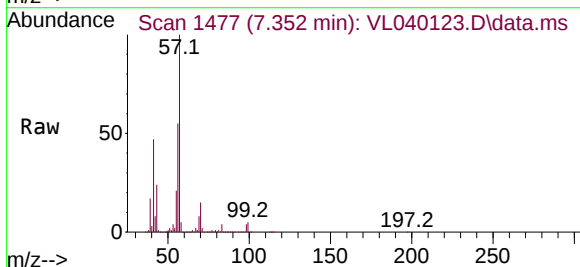
Tgt Ion: 57 Resp: 10230464

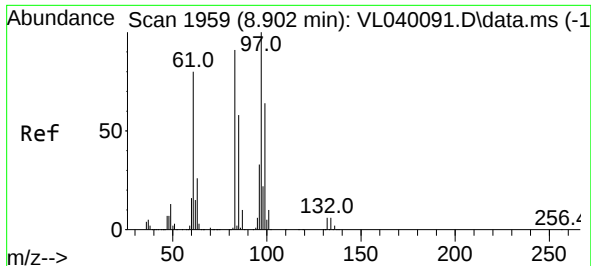
Ion Ratio Lower Upper

57 100

41 45.0 27.1 40.7#

56 52.4 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 3.519 ppbv

RT: 9.021 min Scan# 1959

Delta R.T. 0.119 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

VP-2

Tgt Ion: 97 Resp: 292495

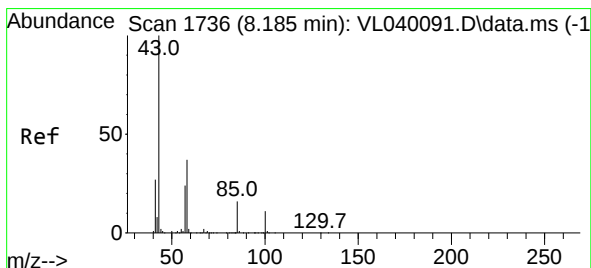
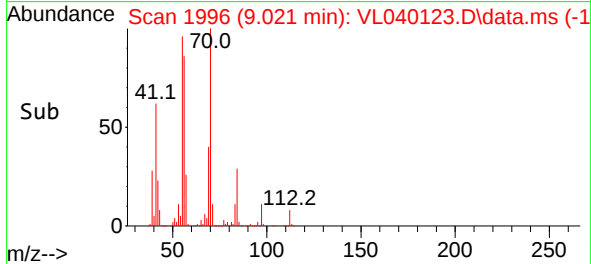
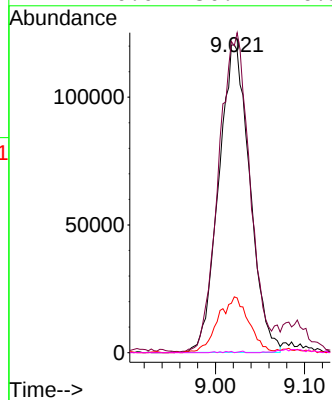
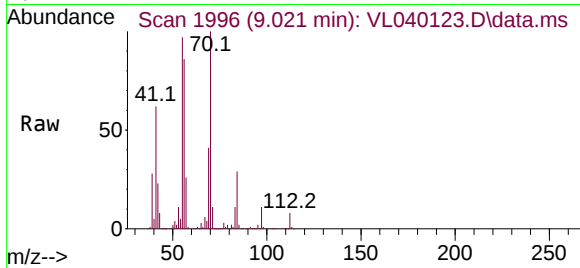
Ion Ratio Lower Upper

97 100

83 99.5 72.9 109.3

85 18.1 46.0 69.0#

99 0.0 50.9 76.3#



#50

4-Methyl-2-Pentanone

Concen: 0.459 ppbv

RT: 8.243 min Scan# 1754

Delta R.T. 0.058 min

Lab File: VL040123.D

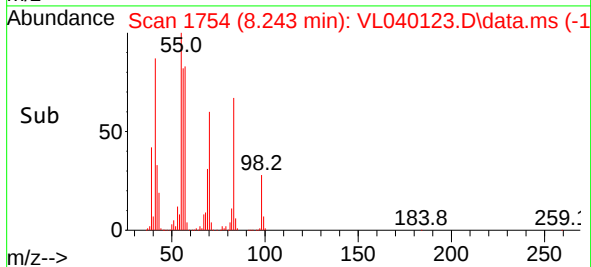
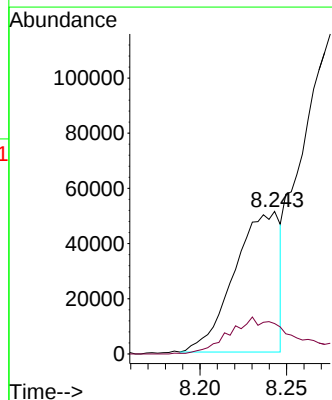
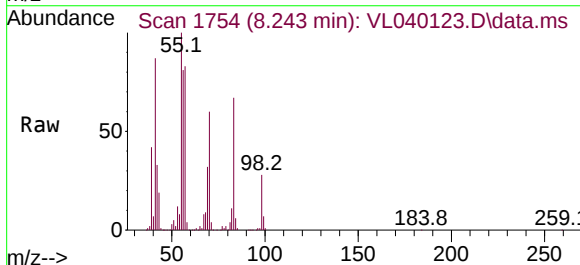
Acq: 19 Jan 2023 21:23

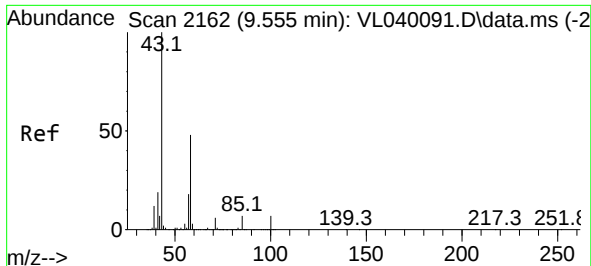
Tgt Ion: 43 Resp: 93080

Ion Ratio Lower Upper

43 100

58 37.2 28.8 43.2

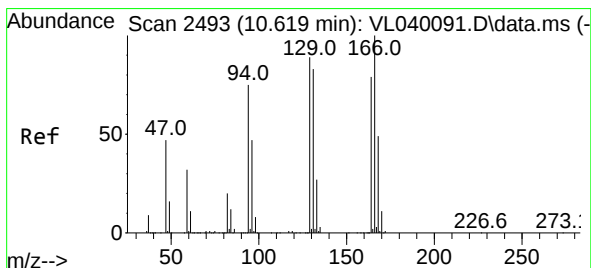
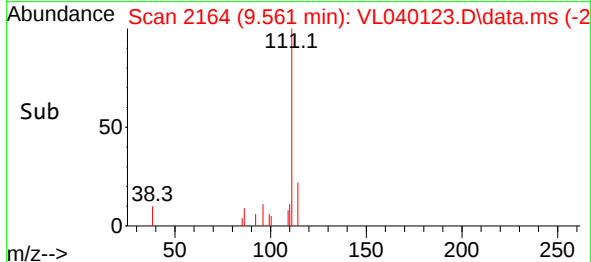
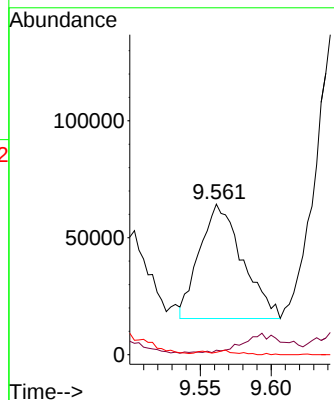
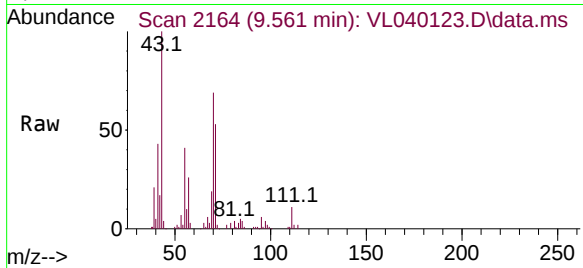




#51
2-Hexanone
Concen: 0.669 ppbv
RT: 9.561 min Scan# 2162
Delta R.T. 0.006 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

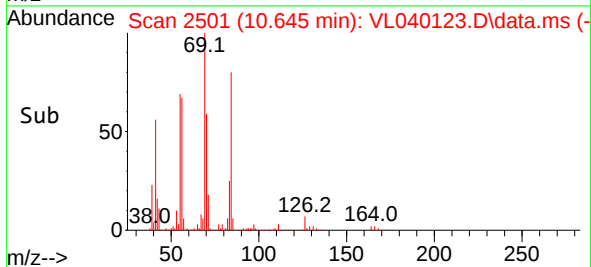
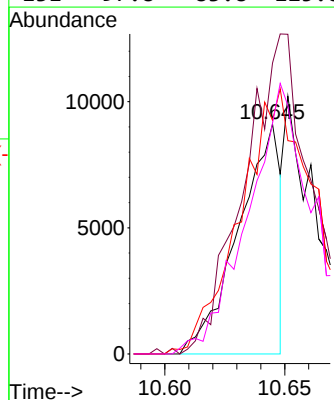
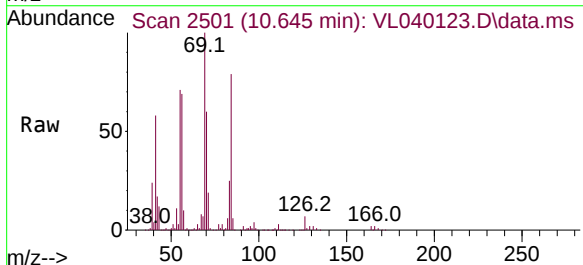
Instrument :
MSVOA_L
ClientSampleId :
VP-2

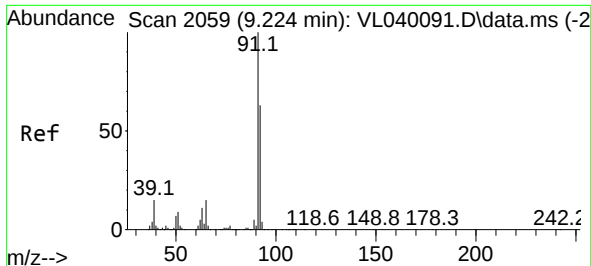
Tgt Ion: 43 Resp: 102888
Ion Ratio Lower Upper
43 100
58 20.4 37.5 56.3#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.167 ppbv
RT: 10.645 min Scan# 2501
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 164 Resp: 11034
Ion Ratio Lower Upper
164 100
166 126.5 101.2 151.8
129 99.6 90.2 135.2
131 97.8 83.8 125.8





#53

Toluene

Concen: 2.762 ppbv

RT: 9.249 min Scan# 2059

Delta R.T. 0.026 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

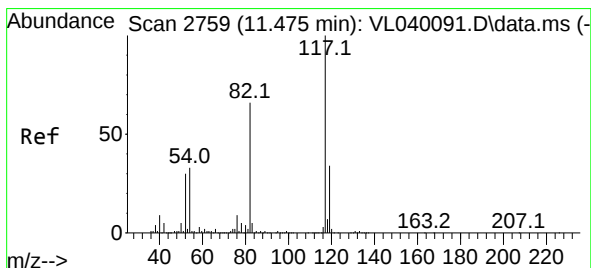
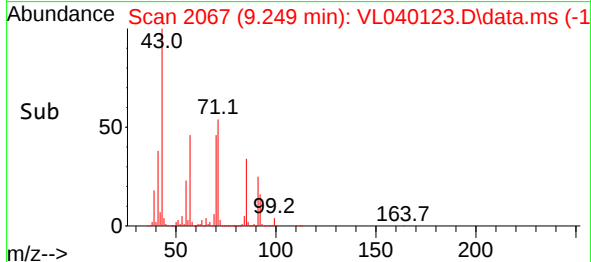
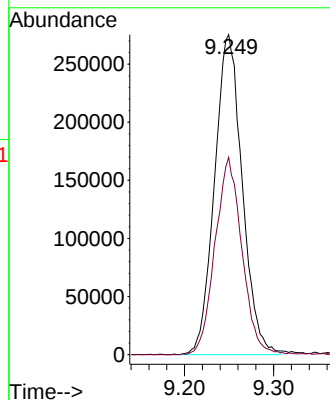
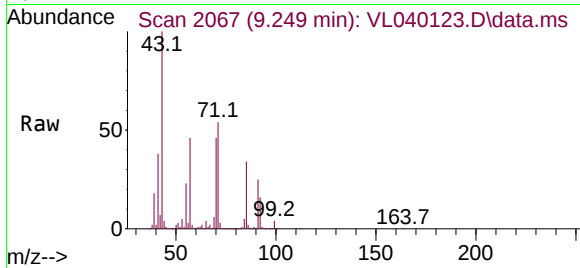
VP-2

Tgt Ion: 91 Resp: 594597

Ion Ratio Lower Upper

91 100

92 60.2 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. 0.022 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

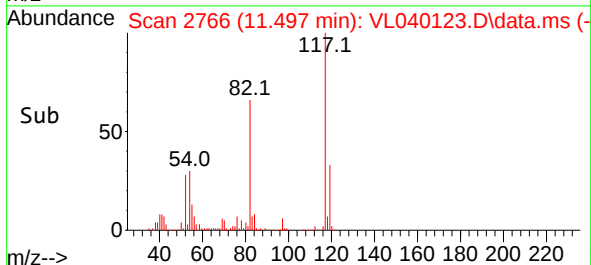
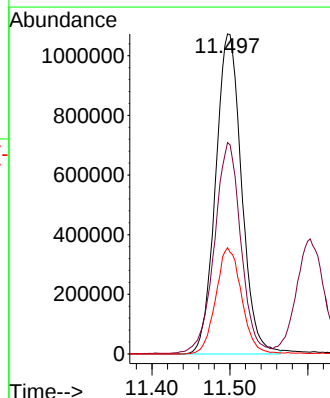
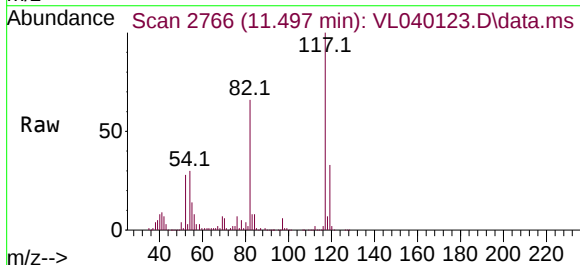
Tgt Ion: 117 Resp: 2484881

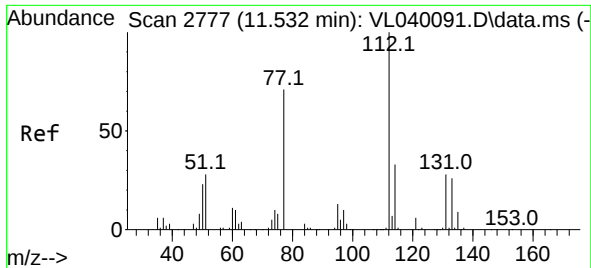
Ion Ratio Lower Upper

117 100

82 67.3 54.4 81.6

119 33.1 26.8 40.2

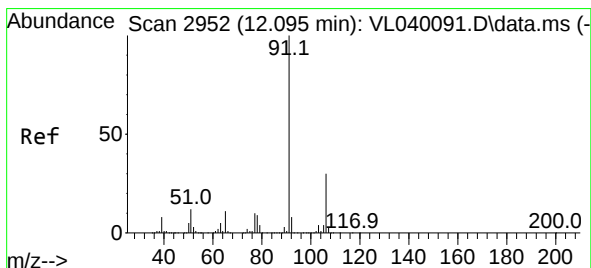
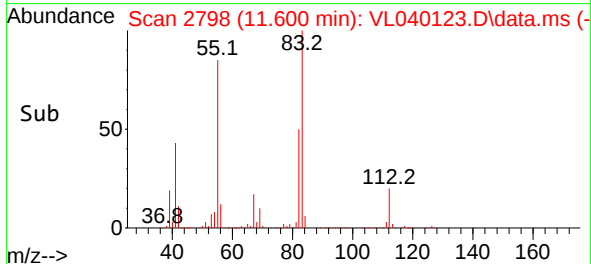
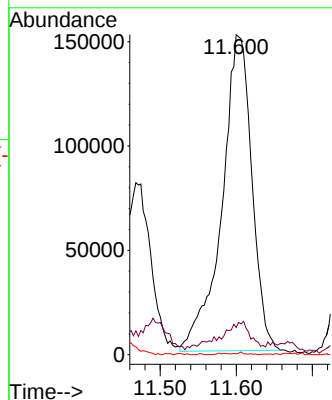
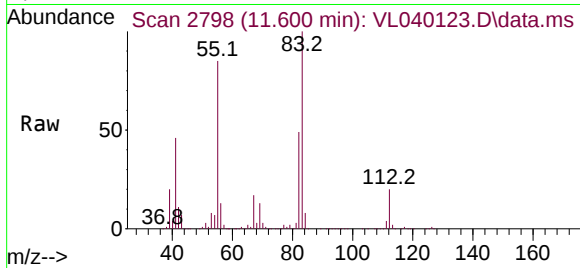




#57
Chlorobenzene
Concen: 2.452 ppbv
RT: 11.600 min Scan# 21
Delta R.T. 0.067 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

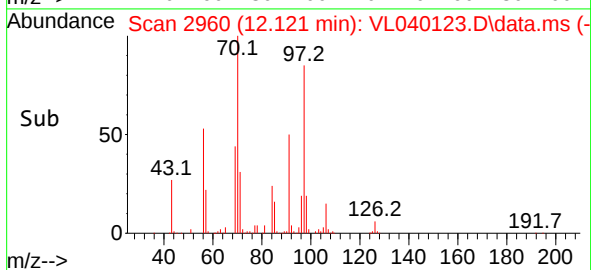
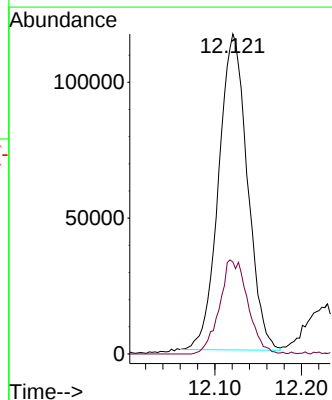
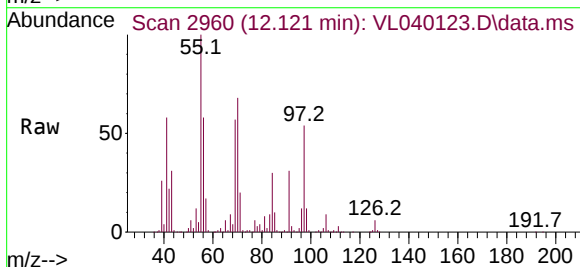
Instrument :
MSVOA_L
ClientSampleId :
VP-2

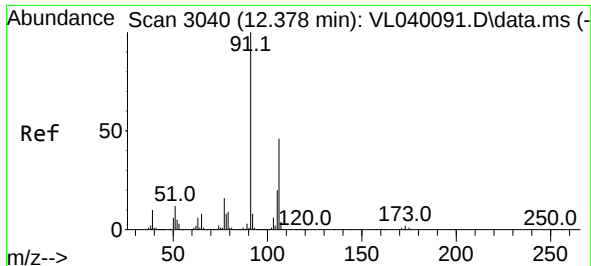
Tgt Ion:112 Resp: 415380
Ion Ratio Lower Upper
112 100
77 6.1 57.3 85.9#
114 0.3 29.6 36.2#



#58
Ethyl Benzene
Concen: 0.968 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 91 Resp: 268379
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5





#59

m/p-Xylene

Concen: 2.400 ppbv

RT: 12.381 min Scan# 3040

Delta R.T. 0.003 min

Lab File: VL040123.D

Acq: 19 Jan 2023 21:23

Instrument :

MSVOA_L

ClientSampleId :

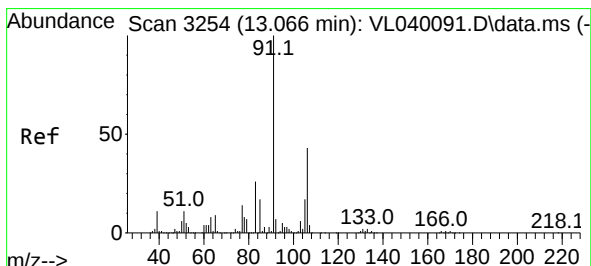
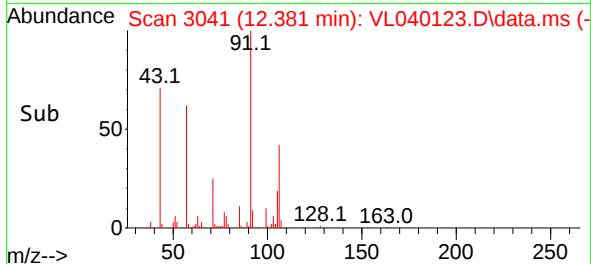
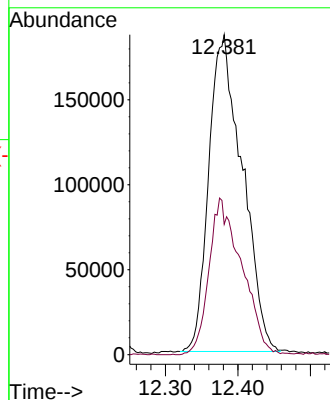
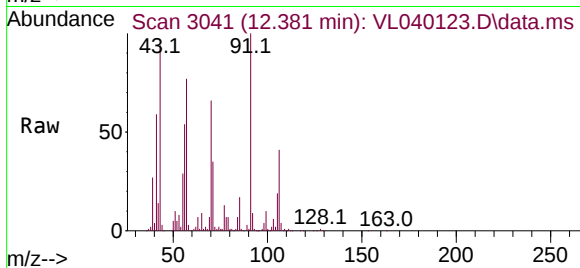
VP-2

Tgt Ion: 91 Resp: 598476

Ion Ratio Lower Upper

91 100

106 48.4 34.2 51.4



#60

o-Xylene

Concen: 1.108 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. 0.026 min

Lab File: VL040123.D

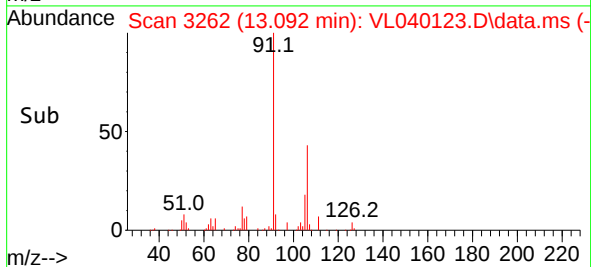
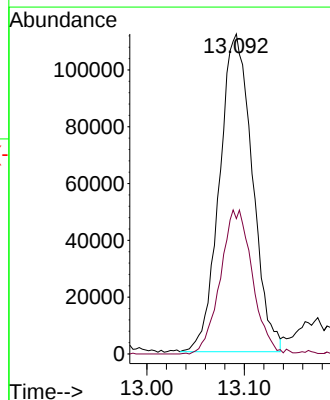
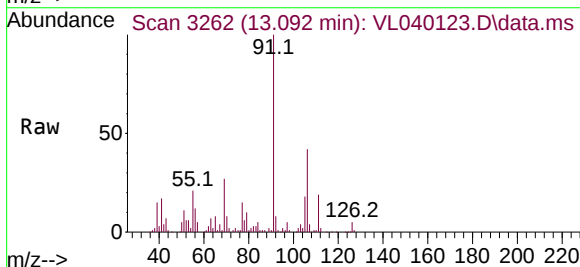
Acq: 19 Jan 2023 21:23

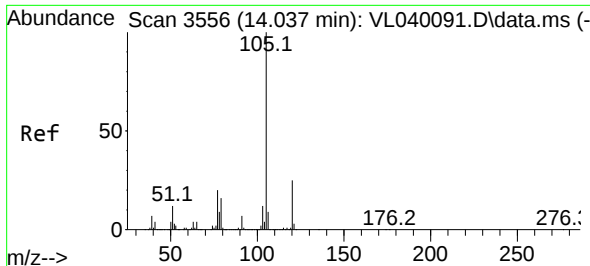
Tgt Ion: 91 Resp: 262334

Ion Ratio Lower Upper

91 100

106 44.3 21.6 64.8

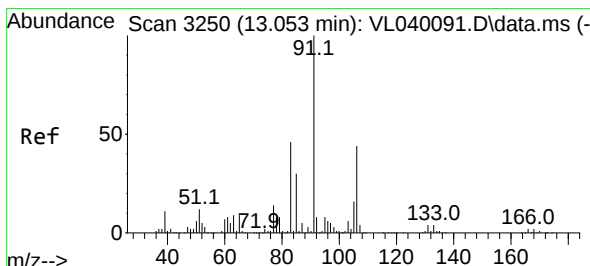
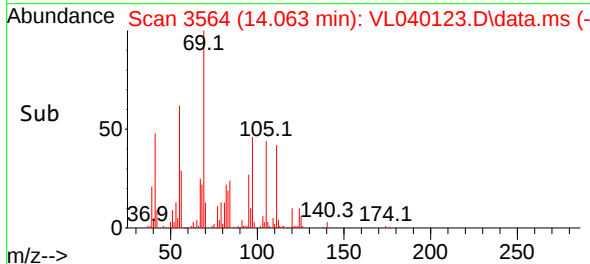
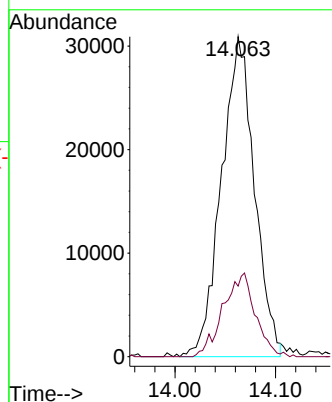
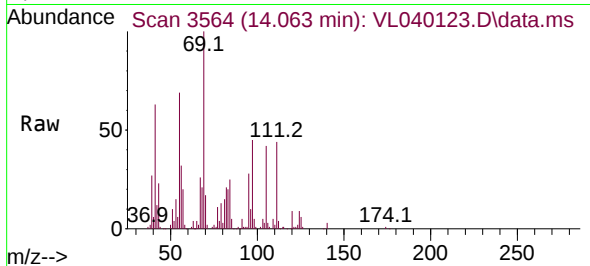




#62
Isopropylbenzene
Concen: 0.207 ppbv
RT: 14.063 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

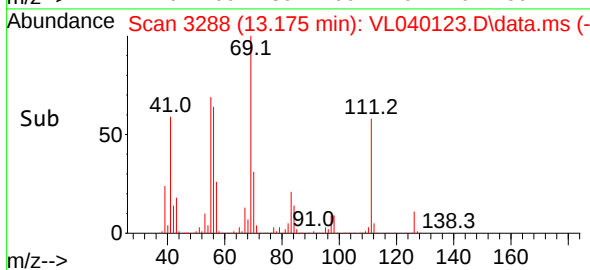
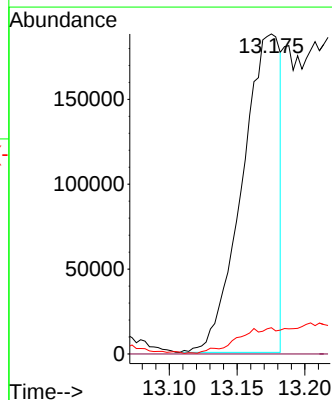
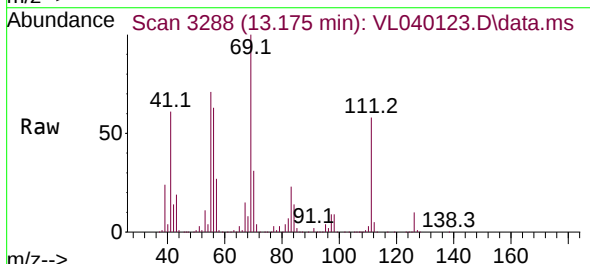
Instrument :
MSVOA_L
ClientSampleId :
VP-2

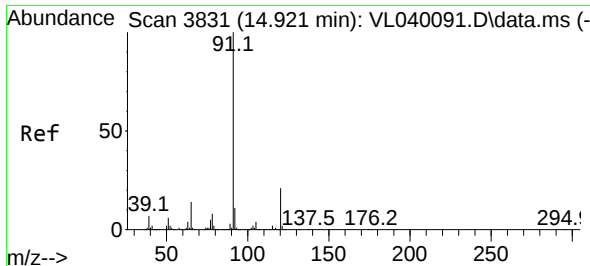
Tgt Ion:105 Resp: 70492
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.2



#63
1,1,2,2-Tetrachloroethane
Concen: 4.243 ppbv
RT: 13.175 min Scan# 3288
Delta R.T. 0.122 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 83 Resp: 364623
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 3.7 32.5 97.5#

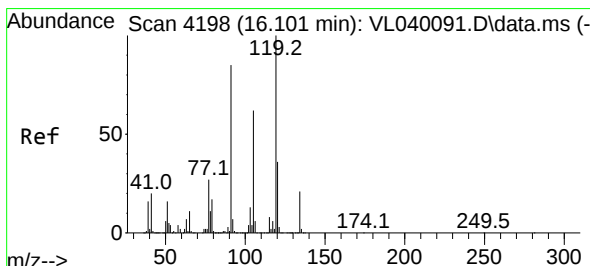
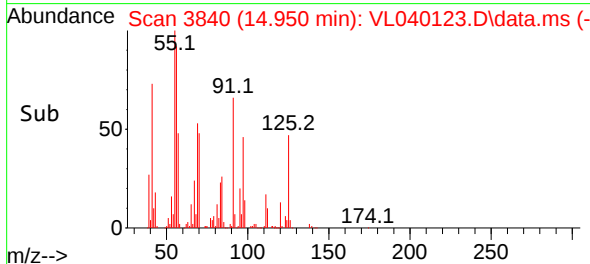
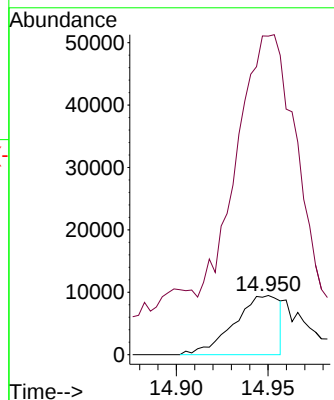
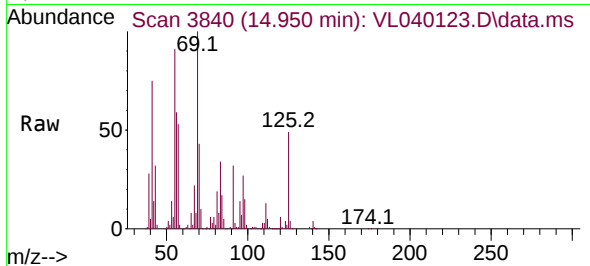




#64
n-propylbenzene
Concen: 0.194 ppbv
RT: 14.950 min Scan# 3840
Delta R.T. 0.029 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

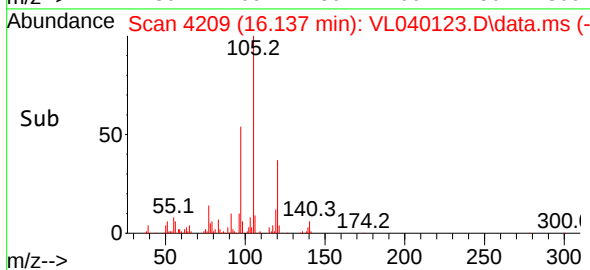
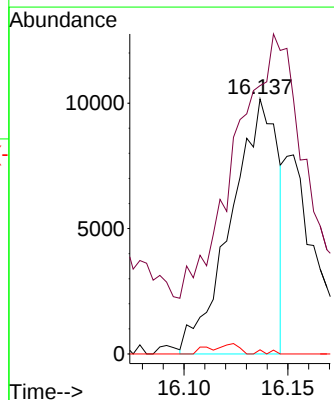
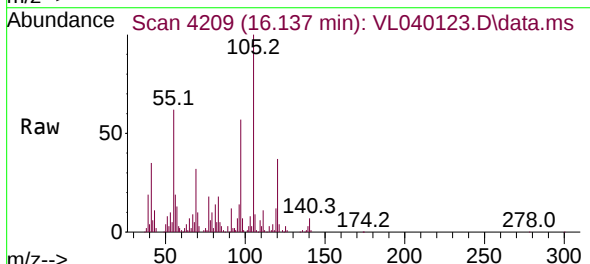
Instrument :
MSVOA_L
ClientSampleId :
VP-2

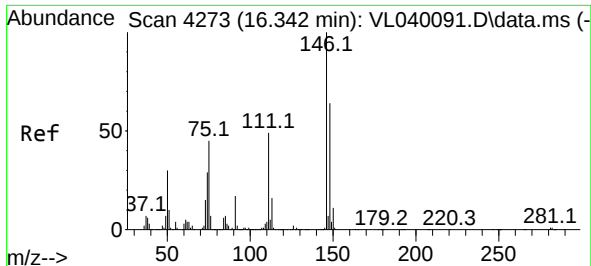
Tgt Ion:120 Resp: 16381
Ion Ratio Lower Upper
120 100
91 979.4 397.0 595.4#



#65
tert-Butylbenzene
Concen: 0.054 ppbv
RT: 16.137 min Scan# 4209
Delta R.T. 0.035 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion:119 Resp: 15838
Ion Ratio Lower Upper
119 100
91 150.9 69.5 104.3#
134 2.8 15.8 23.8#

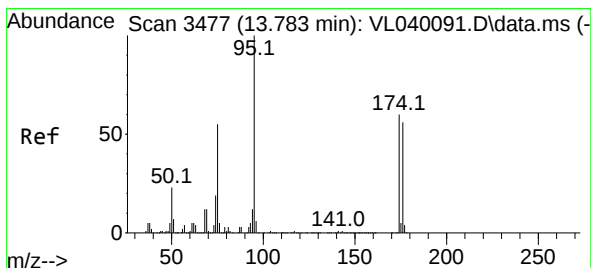
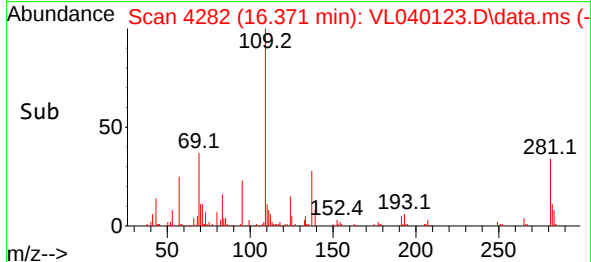
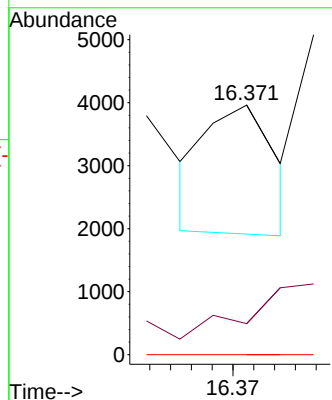
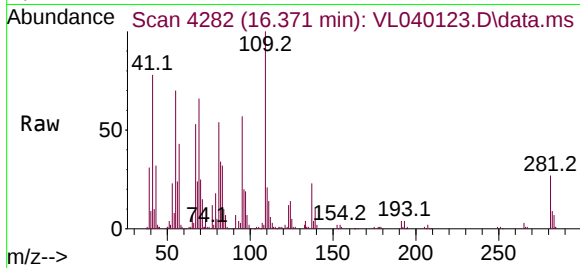




#66
Benzyl Chloride
Concen: 0.047 ppbv
RT: 16.371 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

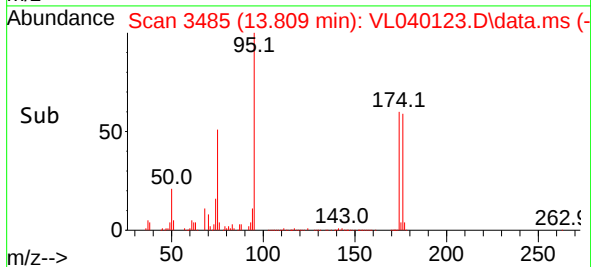
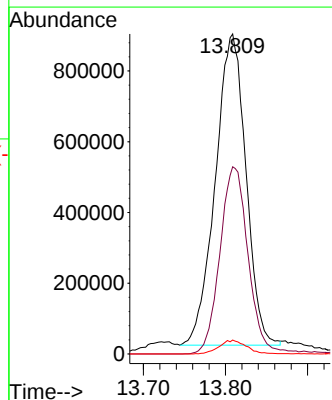
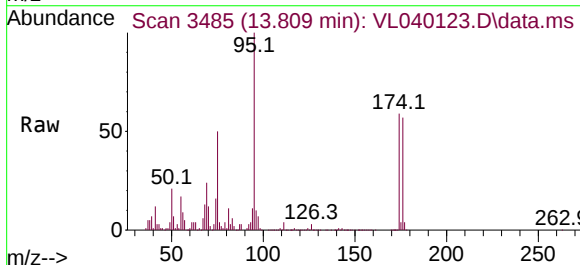
Instrument :
MSVOA_1
ClientSampleId :
VP-2

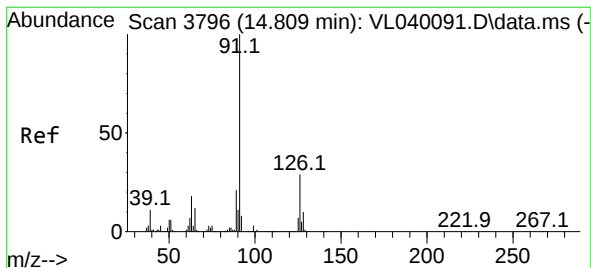
Tgt Ion: 91 Resp: 941
Ion Ratio Lower Upper
91 100
126 0.0 11.5 17.3#
128 0.0 0.0 0.0



#68
1-Bromo-4-Fluorobenzene
Concen: 11.055 ppbv
RT: 13.809 min Scan# 3485
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 95 Resp: 2283125
Ion Ratio Lower Upper
95 100
174 56.5 47.7 71.5
175 4.0 3.4 5.2

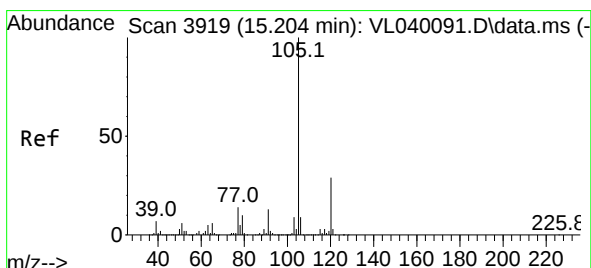
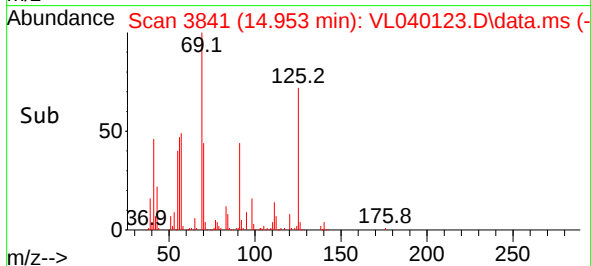
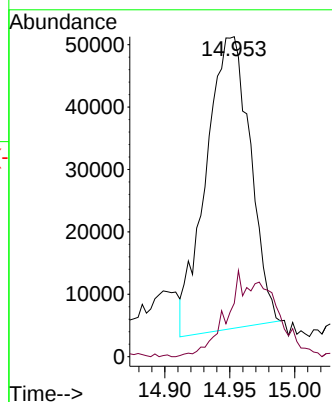
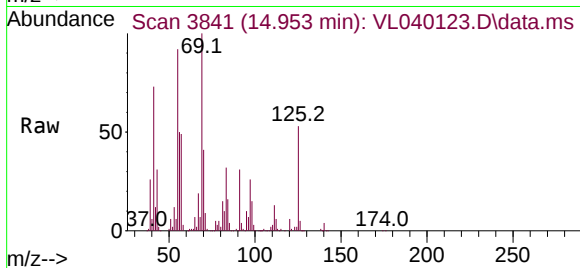




#71
2-Chlorotoluene
Concen: 0.424 ppbv
RT: 14.953 min Scan# 3841
Delta R.T. 0.145 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

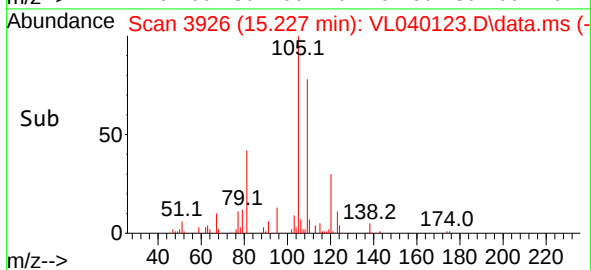
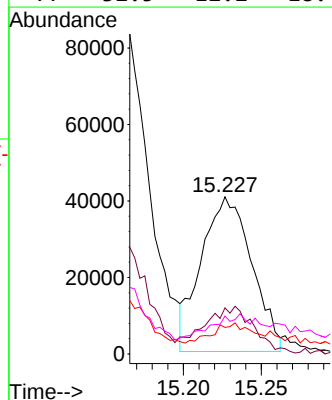
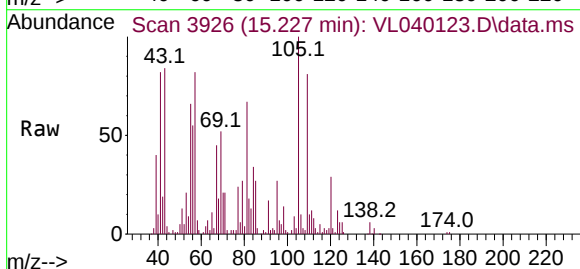
Instrument :
MSVOA_L
ClientSampleId :
VP-2

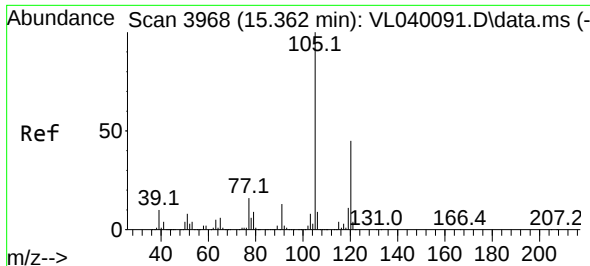
Tgt Ion: 91 Resp: 111044
Ion Ratio Lower Upper
91 100
126 31.0 11.9 47.5



#72
4-Ethyltoluene
Concen: 0.348 ppbv
RT: 15.227 min Scan# 3926
Delta R.T. 0.022 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion: 105 Resp: 91271
Ion Ratio Lower Upper
105 100
120 32.4 23.1 34.7
91 24.0 11.2 16.8#
77 32.5 12.2 18.4#

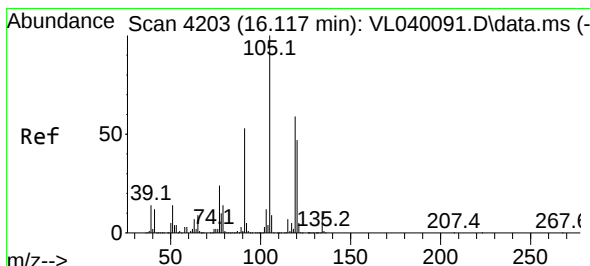
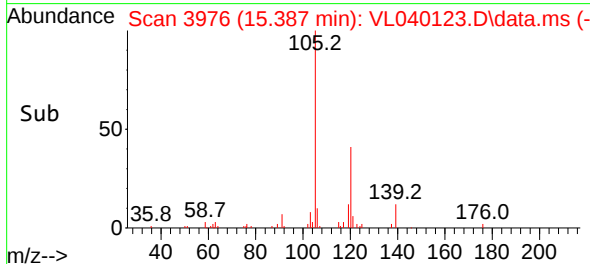
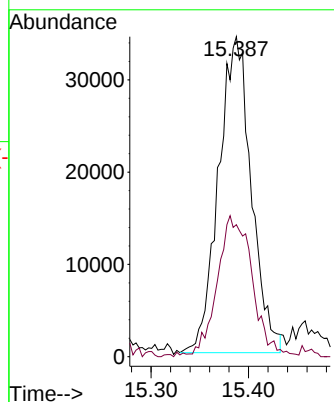
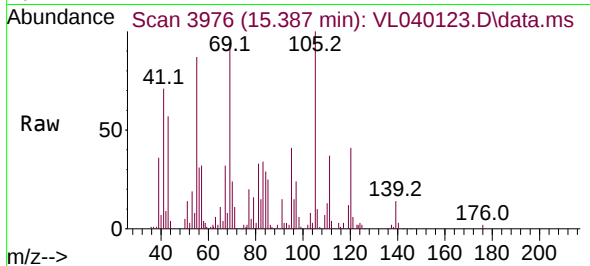




#73
1,3,5-Trimethylbenzene
Concen: 0.339 ppbv
RT: 15.387 min Scan# 3968
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Instrument :
MSVOA_L
ClientSampleId :
VP-2

Tgt Ion:105 Resp: 80081
Ion Ratio Lower Upper
105 100
120 41.2 36.2 54.4



#74
1,2,4-Trimethylbenzene
Concen: 0.786 ppbv
RT: 16.143 min Scan# 4211
Delta R.T. 0.026 min
Lab File: VL040123.D
Acq: 19 Jan 2023 21:23

Tgt Ion:105 Resp: 205889
Ion Ratio Lower Upper
105 100
120 39.9 38.0 57.0
91 11.5 42.1 63.1#
77 10.5 19.3 28.9#

