

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040111.D
 Acq On : 19 Jan 2023 13:43
 Operator : SY/MD
 Sample : 01223-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

Quant Time: Jan 20 02:05:57 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	5.195	49	1181192	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2665077	10.000	ppbv	# 0.02
55) Chlorobenzene-d5	11.535	117	1795276	10.000	ppbv	# 0.06
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.867	95	25644663	171.874	ppbv	0.08
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1718.700%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	34305	0.166	ppbv	91
3) Chlorodifluoromethane	2.661	51	155036	1.094	ppbv	93
4) Chloromethane	2.799	50	81349	0.929	ppbv	98
5) Vinyl Chloride	2.912	62	426824	5.749	ppbv	97
6) Bromomethane	3.108	94	1812	0.067	ppbv	91
7) Chloroethane	3.195	64	3751	0.132	ppbv	91
9) Propene	2.684	41	15884825	269.858	ppbv	85
10) Heptane	7.648	43	8291372	61.116	ppbv	96
11) Trichlorofluoromethane	3.558	101	59181	0.286	ppbv	92
13) Ethanol	3.227	45	927094	171.118	ppbv	100
15) Acetone	3.455	43	10427997	73.613	ppbv	# 54
16) 1,3-Butadiene	2.957	39	5656805	85.650	ppbv	# 38
17) tert-Butyl alcohol	3.880	59	191072	1.448	ppbv	# 72
19) Isopropyl Alcohol	3.571	45	377572	5.447	ppbv	# 90
20) Methylene Chloride	3.931	84	779083	12.466	ppbv	95
21) Allyl Chloride	3.983	41	163182	1.794	ppbv	# 17
22) trans-1,2-Dichloroethene	4.446	96	8372	0.121	ppbv	85
23) Vinyl Acetate	4.616	43	22633096	492.871	ppbv	# 1
24) 1,1-Dichloroethane	4.613	63	150086	1.079	ppbv	# 91
25) Ethyl Acetate	5.230	43	5210214	20.877	ppbv	# 81
26) Hexane	5.230	57	6270552	57.413	ppbv	# 42
27) Carbon Disulfide	4.121	76	1065529	7.531	ppbv	97
28) Methyl tert-Butyl Ether	4.590	73	6798	0.055	ppbv	# 53
29) Chloroform	5.278	83	20229	0.116	ppbv	86
30) Cyclohexane	6.645	84	31390005	361.535	ppbv	# 81
31) cis-1,2-Dichloroethene	5.086	61	571251	5.403	ppbv	96
32) 1,1,1-Trichloroethane	6.021	97	14737	0.083	ppbv	# 17
34) 2-Butanone	4.783	43	10062393	79.822	ppbv	96
36) Benzene	6.385	78	9347259	47.395	ppbv	94
37) 1,2-Dichloroethane	5.851	62	299243	2.361	ppbv	# 84
39) 1,2-Dichloropropane	7.044	63	154335	2.001	ppbv	# 1
41) Tetrahydrofuran	5.561	42	1010724	13.891	ppbv	95
42) Bromodichloromethane	7.246	83	17817823	104.091	ppbv	# 24
43) Methyl Methacrylate	7.516	69	479847	6.630	ppbv	# 1
44) 2,2,4-Trimethylpentane	7.327	57	736325	2.245	ppbv	# 1
47) 1,1,2-Trichloroethane	8.880	97	7643855	94.112	ppbv	# 52
50) 4-Methyl-2-Pentanone	8.362	43	10711692	54.022	ppbv	# 55
51) 2-Hexanone	9.635	43	55993956	372.742	ppbv	# 41
53) Toluene	9.291	91	3581517	17.026	ppbv	96
57) Chlorobenzene	11.532	112	6693937	54.701	ppbv	# 33
58) Ethyl Benzene	12.198	91	4495165	22.437	ppbv	98
59) m/p-Xylene	12.458	91	455315	2.528	ppbv	# 33
60) o-Xylene	13.169	91	557339	3.260	ppbv	# 54

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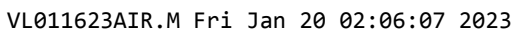
Quant Time: Jan 20 02:05:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

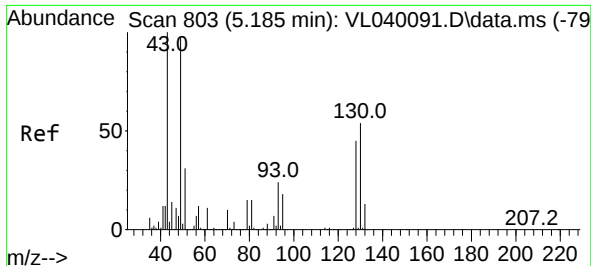
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

61) Styrene	12.979	104	18715	0.210	ppbv #	26
62) Isopropylbenzene	14.140	105	24780092	100.758	ppbv	92
63) 1,1,2,2-Tetrachloroethane	13.056	83	7079190	114.027	ppbv #	24
64) n-propylbenzene	15.076	120	2841267	46.475	ppbv #	1
65) tert-Butylbenzene	16.194	119	1530514	7.269	ppbv #	84
66) Benzyl Chloride	16.465	91	35384	2.459	ppbv #	1
67) sec-Butylbenzene	16.728	105	9585924	32.113	ppbv	97
69) p-Isopropyltoluene	17.088	119	17850	0.076	ppbv #	1
70) n-Butylbenzene	17.956	91	378819	1.498	ppbv #	83
71) 2-Chlorotoluene	15.088	91	7349059	38.853	ppbv	87
72) 4-Ethyltoluene	15.265	105	272169	1.434	ppbv #	41
73) 1,3,5-Trimethylbenzene	15.500	105	120101	0.703	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.214	105	806075	4.260	ppbv #	75

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

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

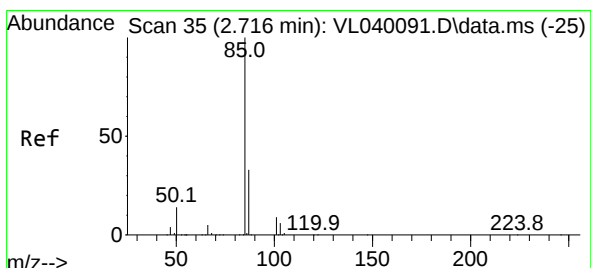
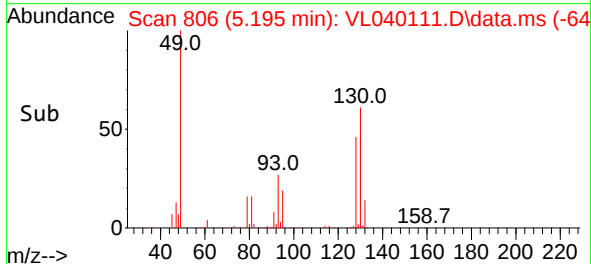
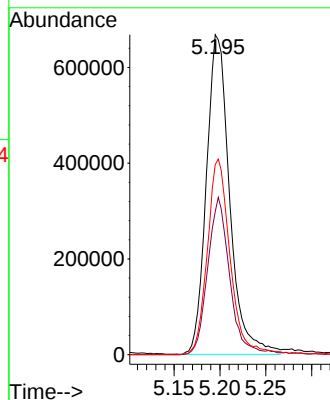
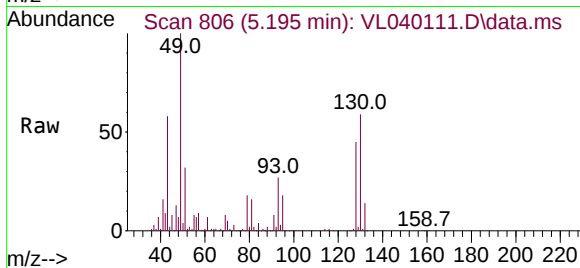




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.010 min
 Lab File: VL040111.D
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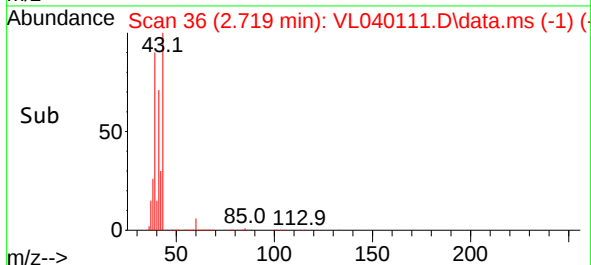
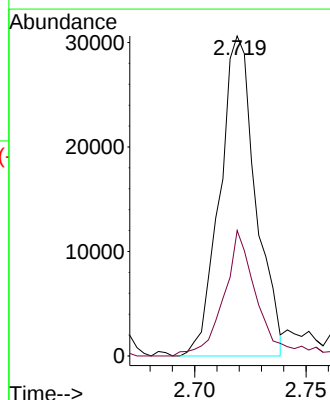
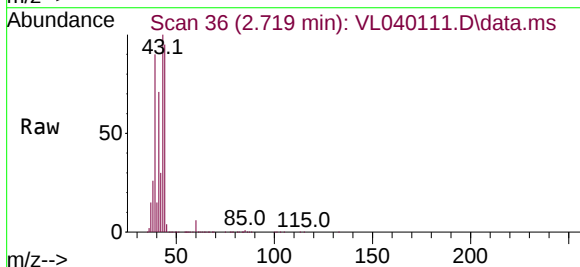
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

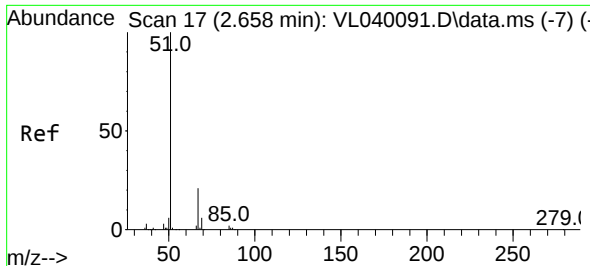
Tgt Ion: 49 Resp: 1181192
 Ion Ratio Lower Upper
 49 100
 128 47.3 23.6 71.0
 130 60.4 29.8 89.3



#2
 Dichlorodifluoromethane
 Concen: 0.166 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 85 Resp: 34305
 Ion Ratio Lower Upper
 85 100
 87 37.9 26.5 39.7

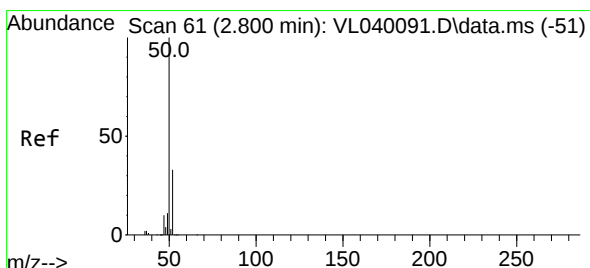
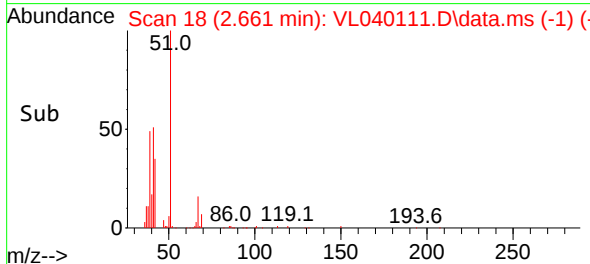
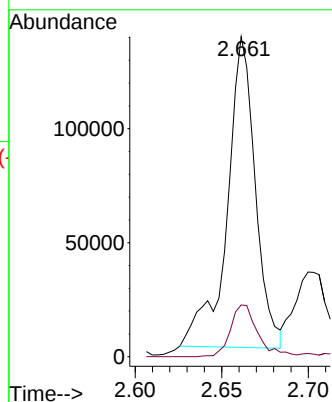
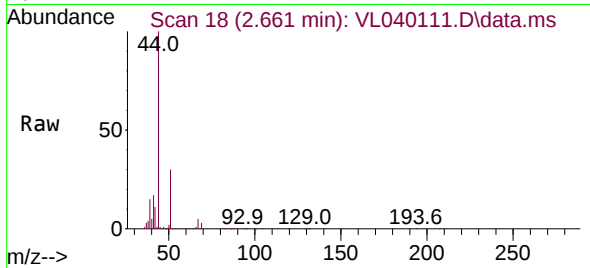




#3
Chlorodifluoromethane
Concen: 1.094 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.003 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

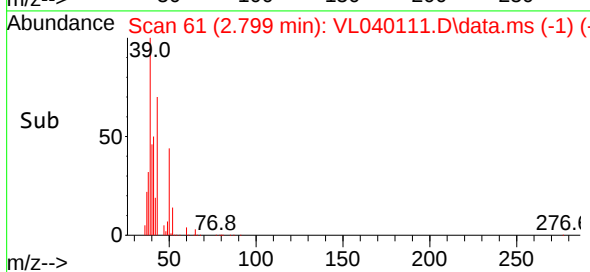
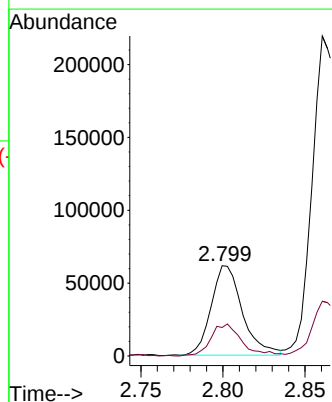
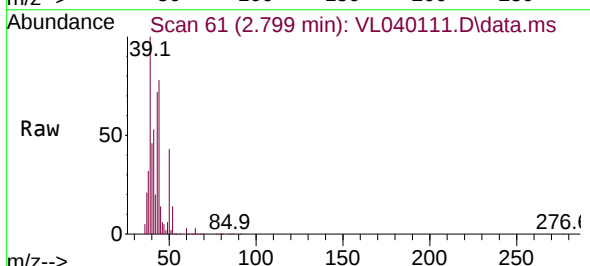
Instrument :
MSVOA_L
ClientSampleId :
VP-1

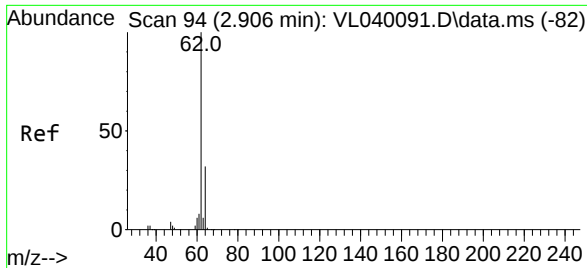
Tgt Ion: 51 Resp: 155036
Ion Ratio Lower Upper
51 100
67 17.1 16.4 24.6



#4
Chloromethane
Concen: 0.929 ppbv
RT: 2.799 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 50 Resp: 81349
Ion Ratio Lower Upper
50 100
52 31.8 26.5 39.7

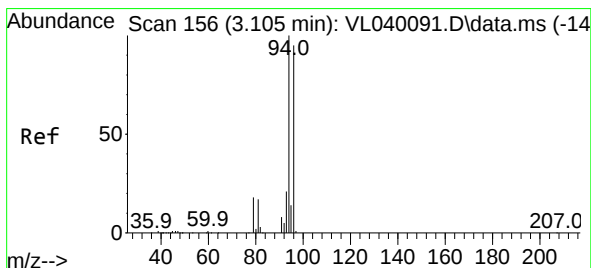
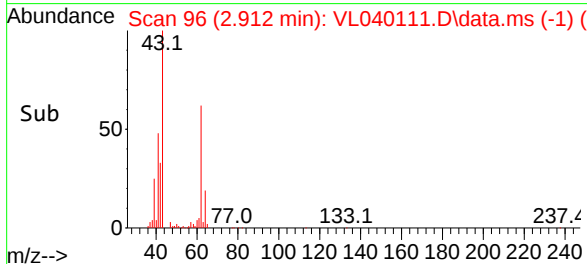
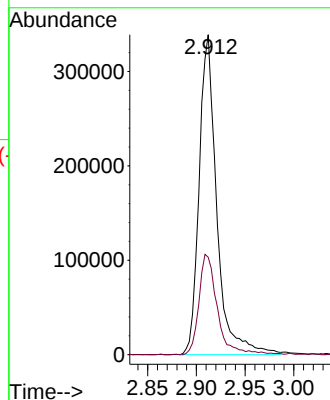
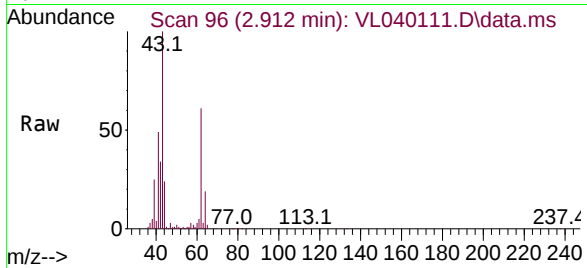




#5
 Vinyl Chloride
 Concen: 5.749 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

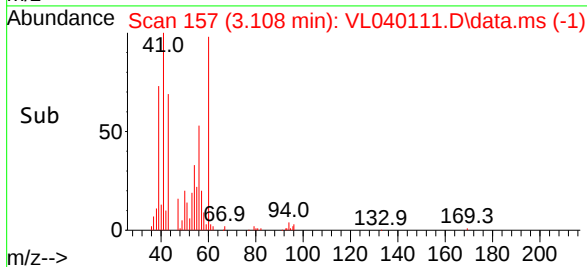
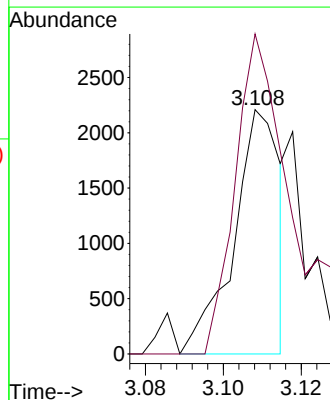
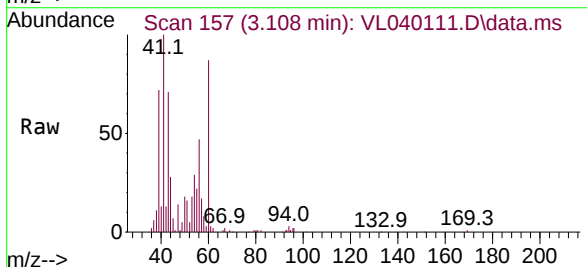
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

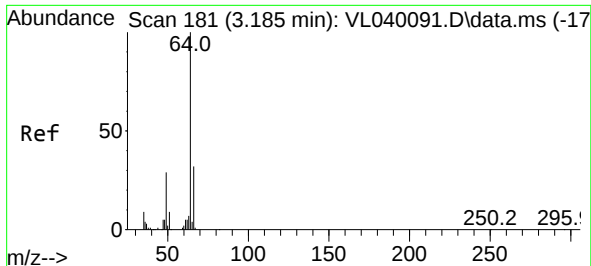
Tgt Ion: 62 Resp: 426824
 Ion Ratio Lower Upper
 62 100
 64 30.4 25.8 38.6



#6
 Bromomethane
 Concen: 0.067 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 94 Resp: 1812
 Ion Ratio Lower Upper
 94 100
 96 104.0 76.2 114.2

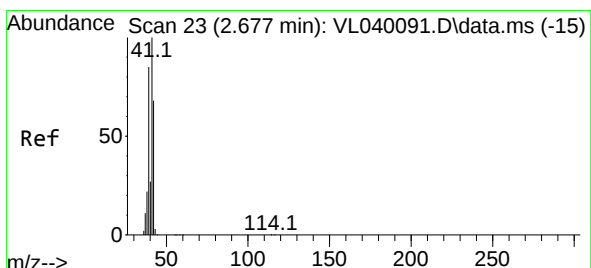
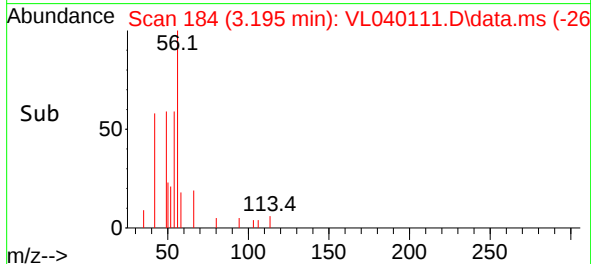
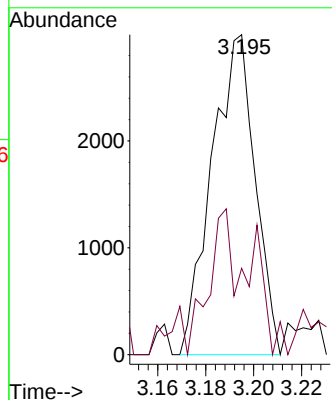
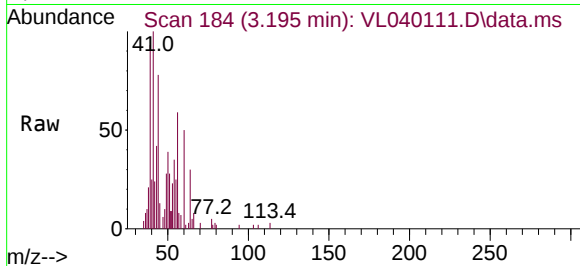




#7
Chloroethane
Concen: 0.132 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

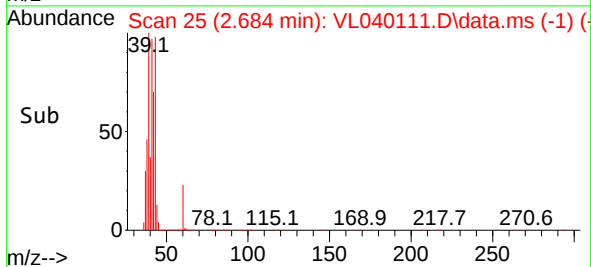
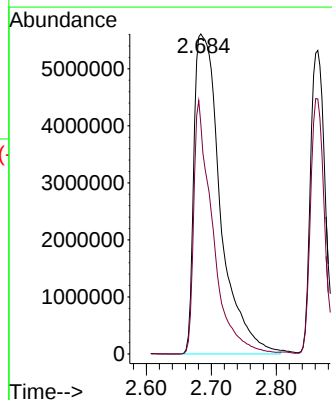
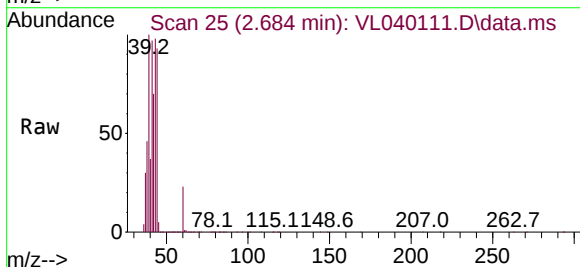
Instrument :
MSVOA_L
ClientSampleId :
VP-1

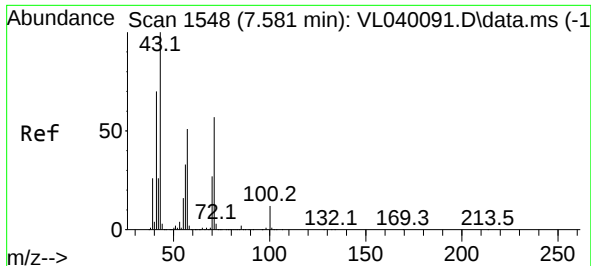
Tgt Ion: 64 Resp: 3751
Ion Ratio Lower Upper
64 100
66 27.0 25.6 38.4



#9
Propene
Concen: 269.858 ppbv
RT: 2.684 min Scan# 25
Delta R.T. 0.006 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 41 Resp:15884825
Ion Ratio Lower Upper
41 100
42 57.1 55.6 83.4





#10

Heptane

Concen: 61.116 ppbv

RT: 7.648 min Scan# 11

Delta R.T. 0.067 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

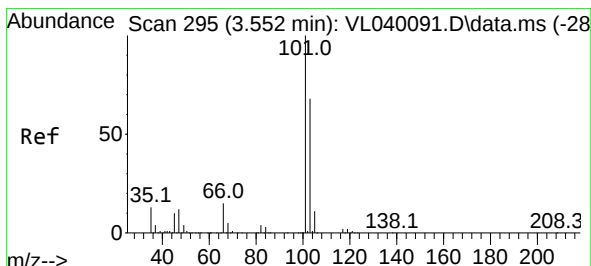
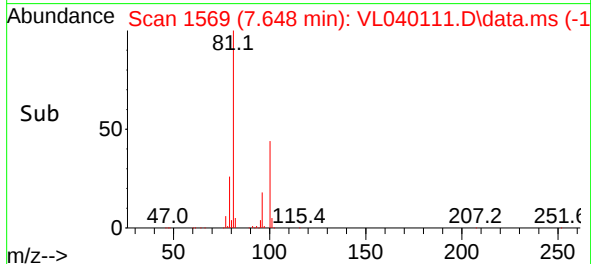
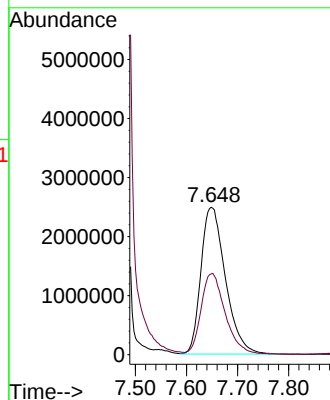
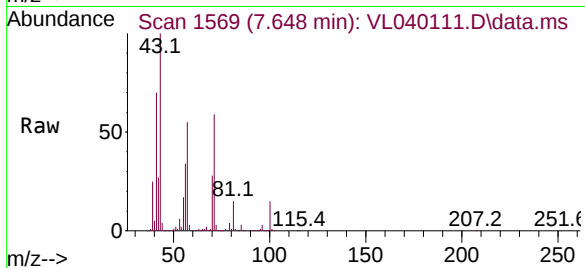
VP-1

Tgt Ion: 43 Resp: 8291372

Ion Ratio Lower Upper

43 100

57 53.8 40.9 61.3



#11

Trichlorofluoromethane

Concen: 0.286 ppbv

RT: 3.558 min Scan# 297

Delta R.T. 0.006 min

Lab File: VL040111.D

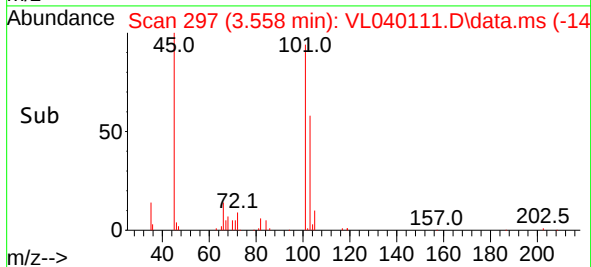
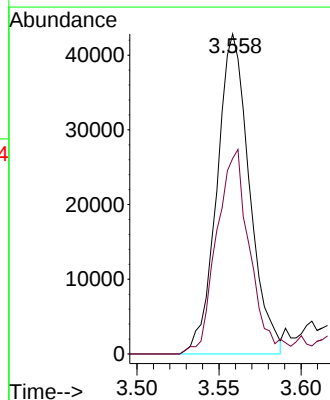
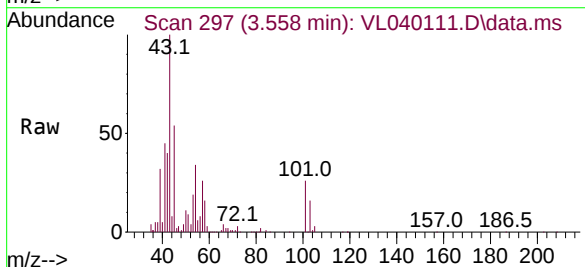
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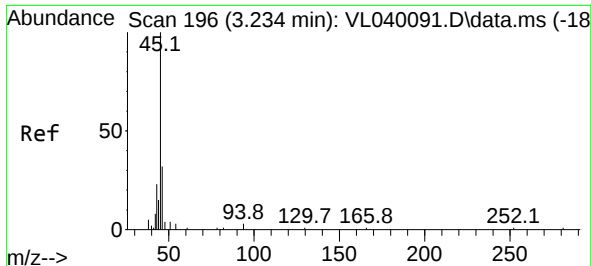
Tgt Ion: 101 Resp: 59181

Ion Ratio Lower Upper

101 100

103 61.1 54.0 81.0

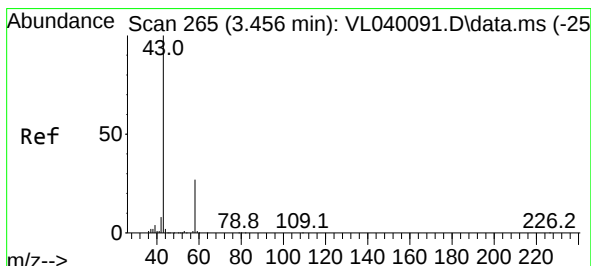
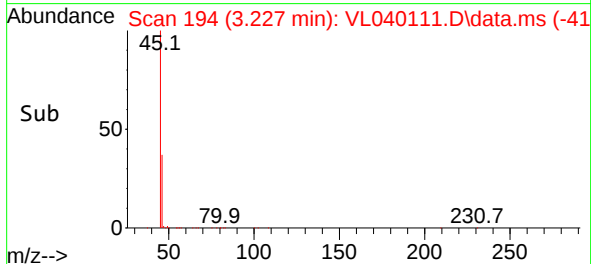
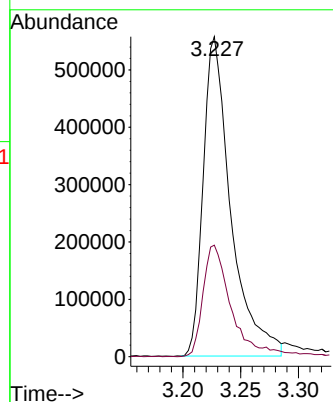
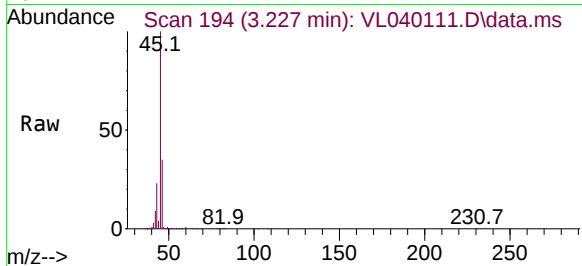




#13
Ethanol
Concen: 171.118 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.007 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

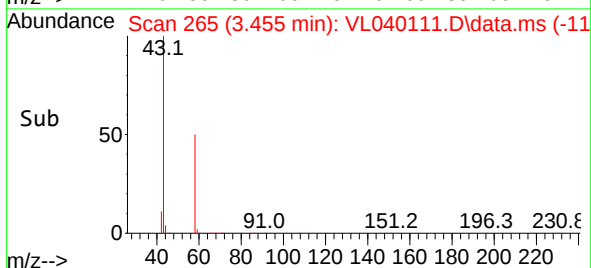
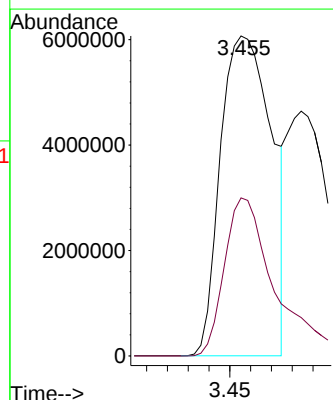
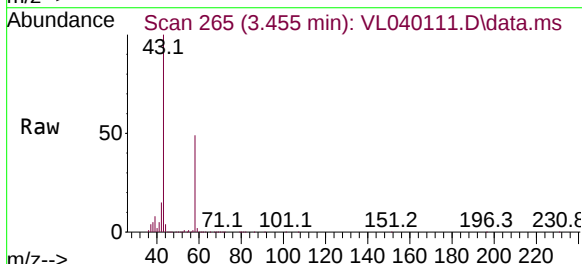
Instrument :
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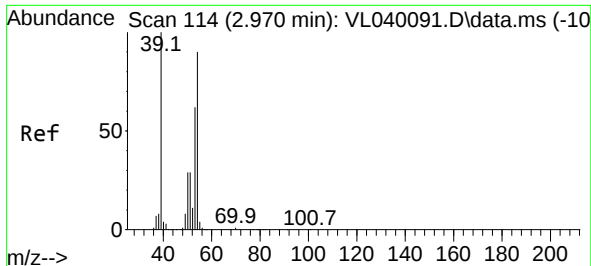
Tgt Ion: 45 Resp: 927094
Ion Ratio Lower Upper
45 100
46 37.0 14.8 59.2



#15
Acetone
Concen: 73.613 ppbv
RT: 3.455 min Scan# 265
Delta R.T. -0.000 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 43 Resp: 10427997
Ion Ratio Lower Upper
43 100
58 51.3 21.8 32.8#

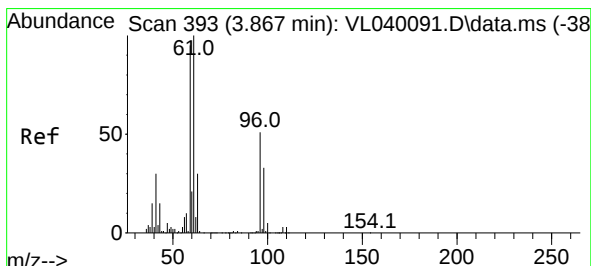
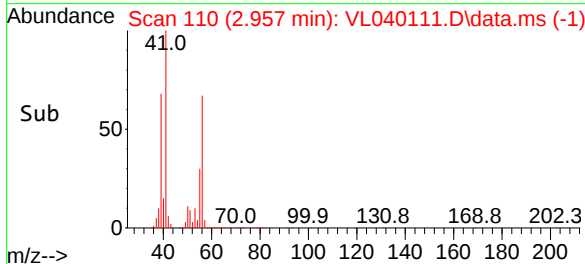
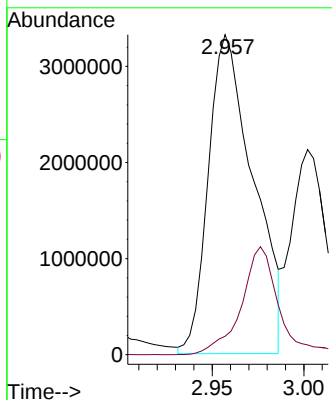
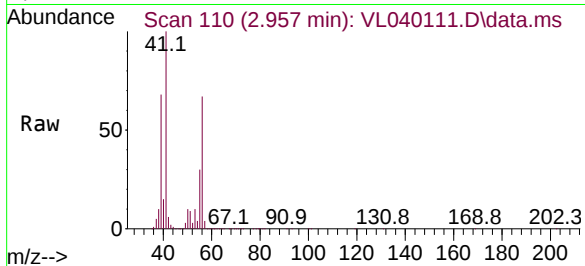




#16
1,3-Butadiene
Concen: 85.650 ppbv
RT: 2.957 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

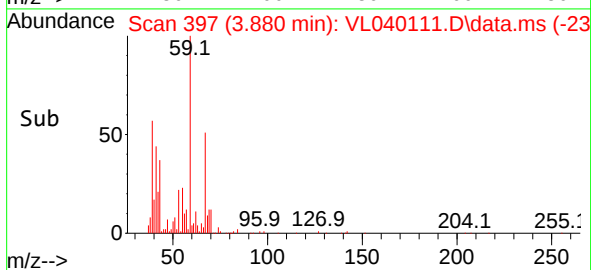
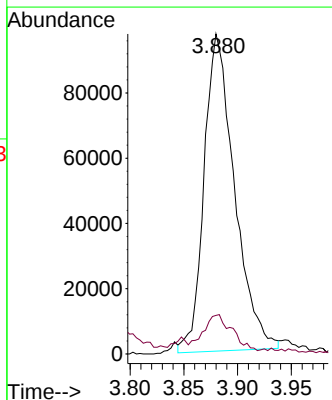
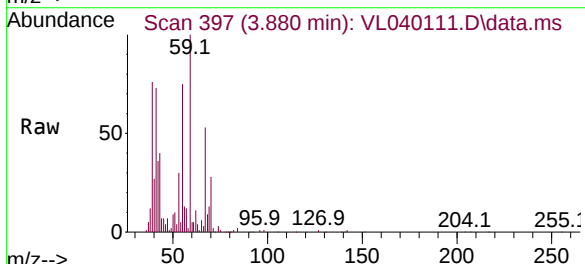
Instrument :
MSVOA_L
ClientSampleId :
VP-1

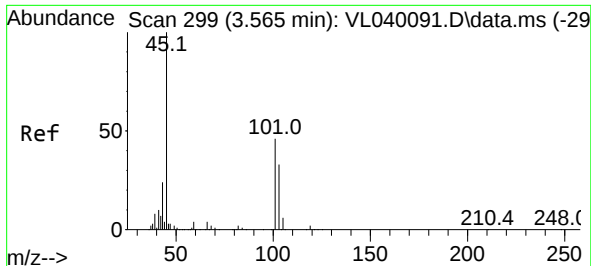
Tgt Ion: 39 Resp: 5656805
Ion Ratio Lower Upper
39 100
54 28.5 67.9 101.9#



#17
tert-Butyl alcohol
Concen: 1.448 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.013 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 59 Resp: 191072
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 5.447 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.006 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

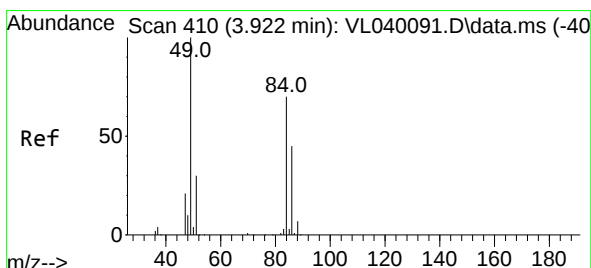
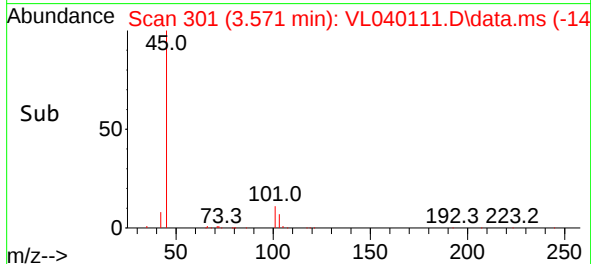
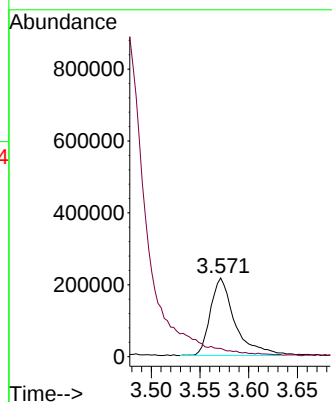
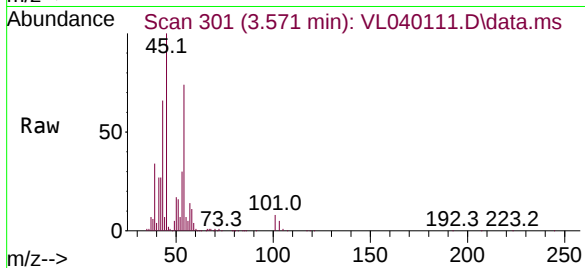
VP-1

Tgt Ion: 45 Resp: 377572

Ion Ratio Lower Upper

45 100

58 0.0 2.6 4.0#



#20

Methylene Chloride

Concen: 12.466 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.010 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Tgt Ion: 84 Resp: 779083

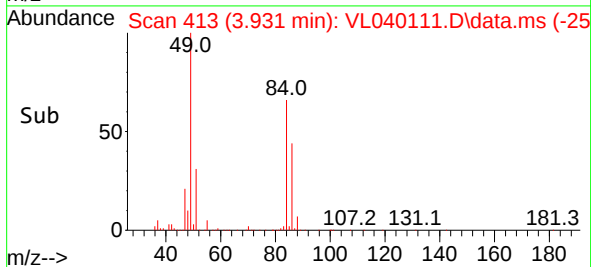
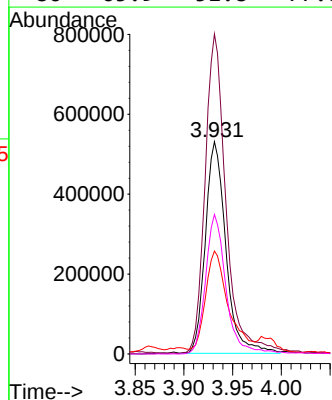
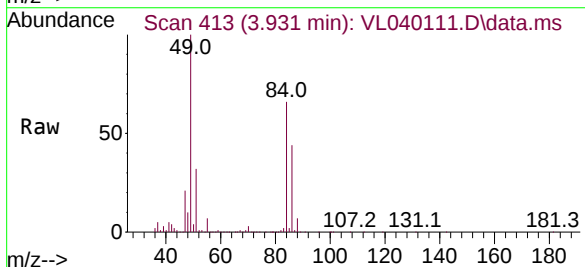
Ion Ratio Lower Upper

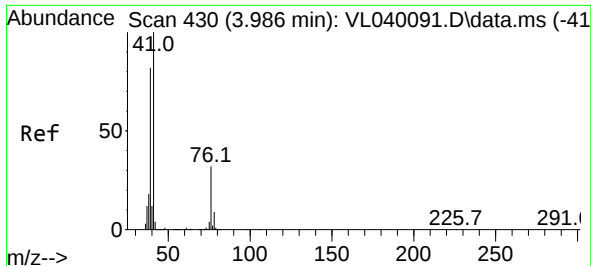
84 100

49 150.8 114.6 171.8

51 45.6 34.3 51.5

86 65.9 51.8 77.8





#21

Allyl Chloride

Concen: 1.794 ppbv

RT: 3.983 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

VP-1

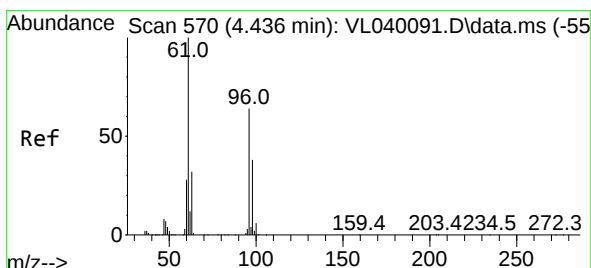
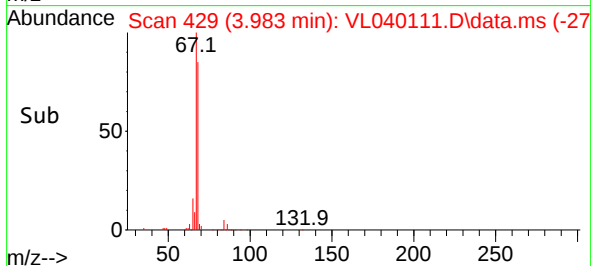
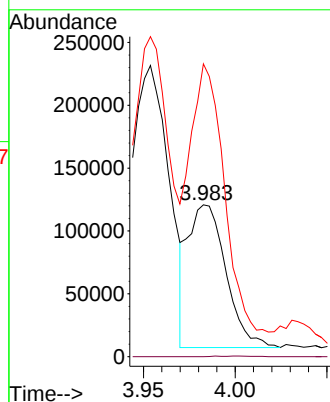
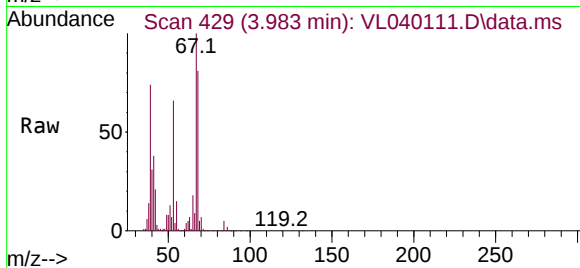
Tgt Ion: 41 Resp: 163182

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

39 0.0 66.8 100.2#



#22

trans-1,2-Dichloroethene

Concen: 0.121 ppbv

RT: 4.446 min Scan# 573

Delta R.T. 0.010 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

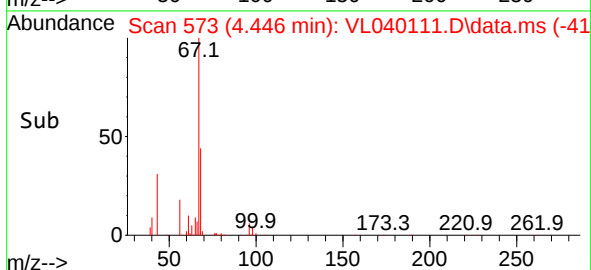
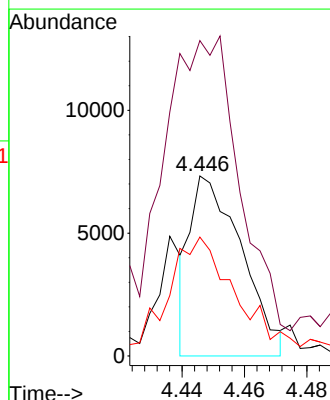
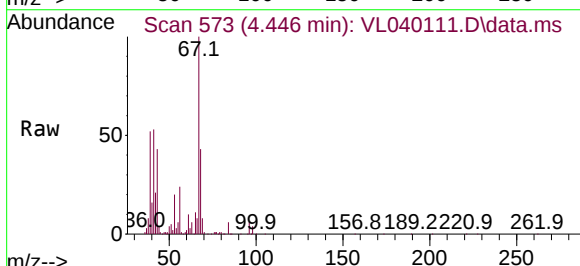
Tgt Ion: 96 Resp: 8372

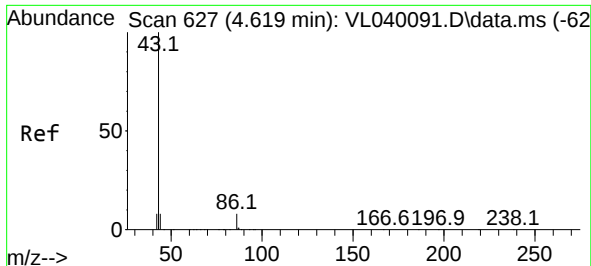
Ion Ratio Lower Upper

96 100

61 183.5 125.8 188.8

98 61.2 47.4 71.2



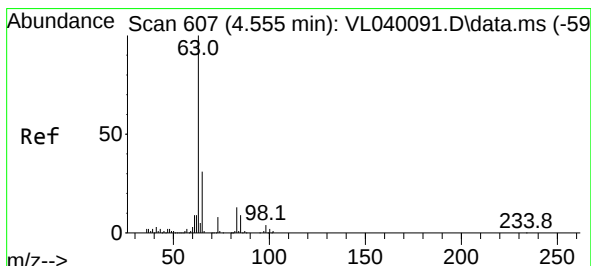
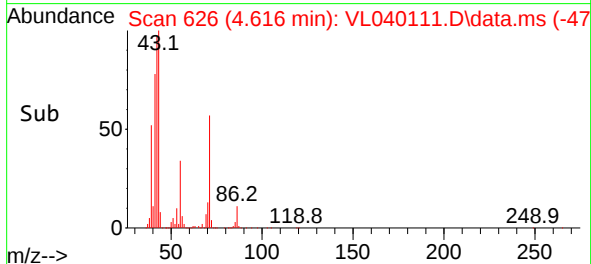
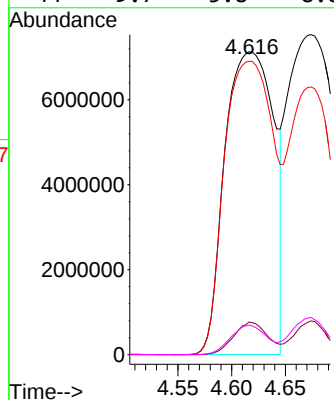
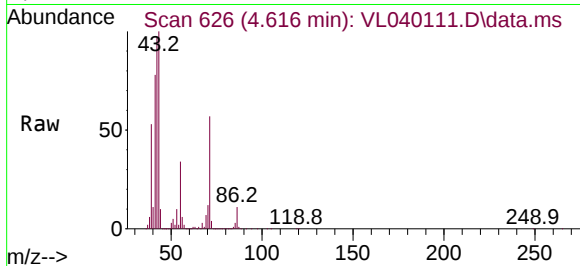


#23
 Vinyl Acetate
 Concen: 492.871 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Instrument :
 MSVOA_1
 ClientSampleId :
 VP-1

Tgt Ion: 43 Resp:22633096

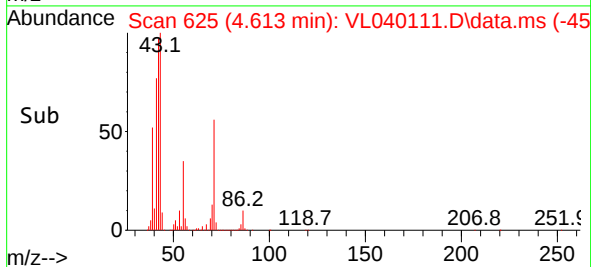
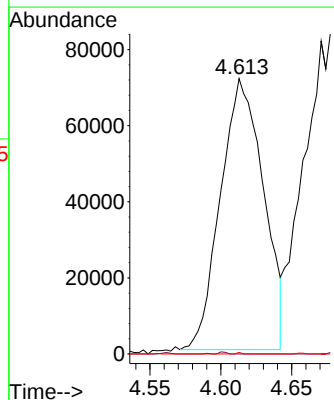
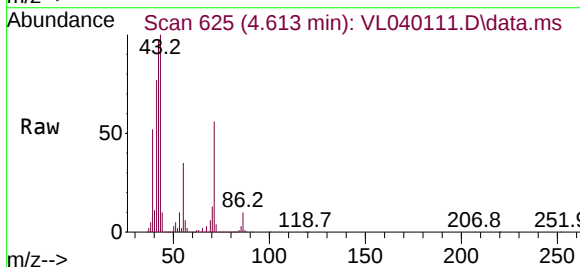
Ion	Ratio	Lower	Upper
43	100		
86	10.8	5.6	8.4#
42	96.9	7.7	11.5#
44	9.7	5.8	8.8#

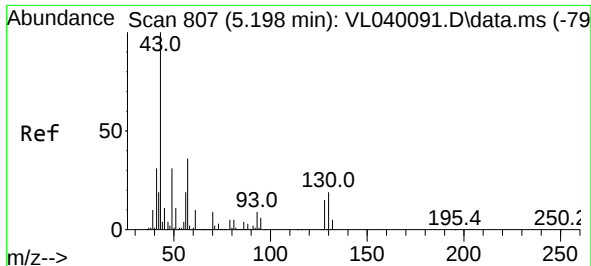


#24
 1,1-Dichloroethane
 Concen: 1.079 ppbv
 RT: 4.613 min Scan# 625
 Delta R.T. 0.058 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 63 Resp: 150086

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.0	5.8#
100	0.6	1.1	3.5#

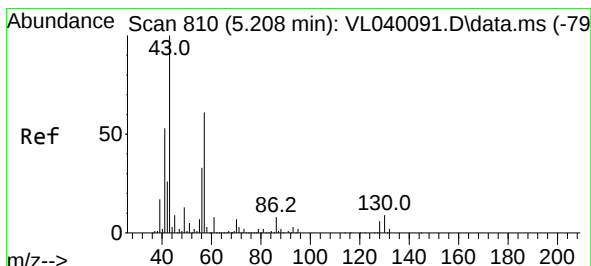
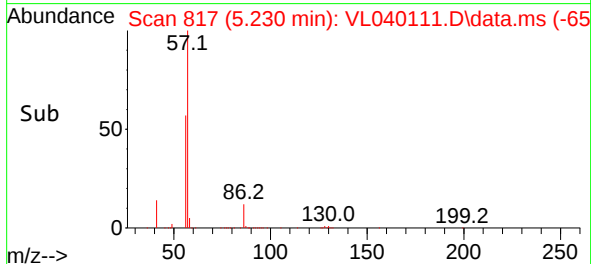
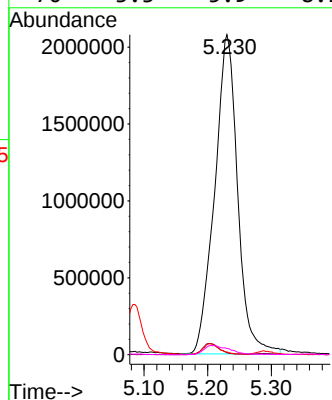
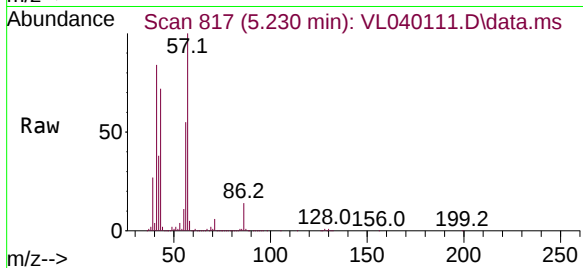




#25
Ethyl Acetate
Concen: 20.877 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.032 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

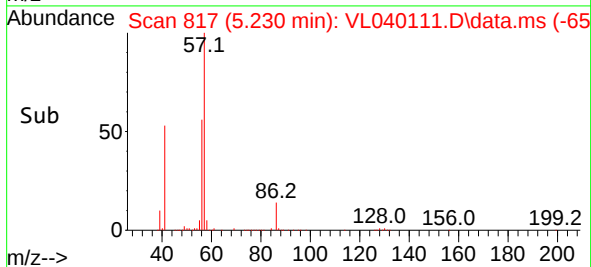
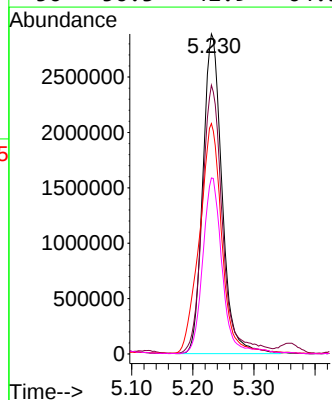
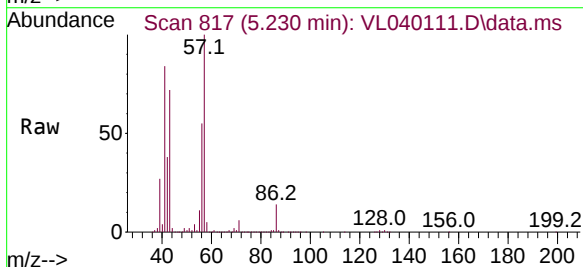
Instrument :
MSVOA_L
ClientSampleId :
VP-1

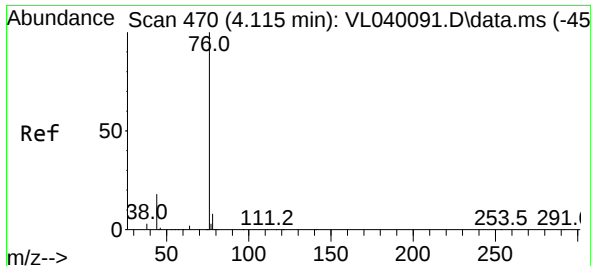
Tgt Ion: 43 Resp: 5210214
Ion Ratio Lower Upper
43 100
45 2.7 8.5 12.7#
61 2.6 8.4 12.6#
70 3.3 5.9 8.9#



#26
Hexane
Concen: 57.413 ppbv
RT: 5.230 min Scan# 817
Delta R.T. 0.022 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 57 Resp: 6270552
Ion Ratio Lower Upper
57 100
41 89.4 72.2 108.4
43 84.0 192.1 288.1#
56 56.3 42.9 64.3

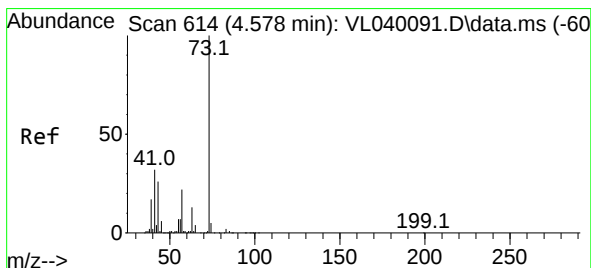
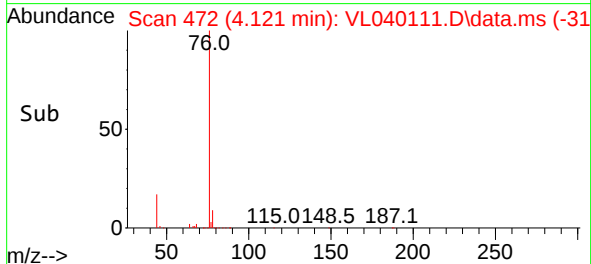
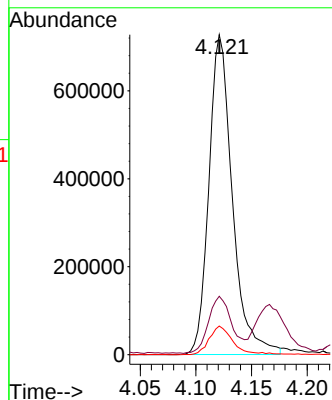
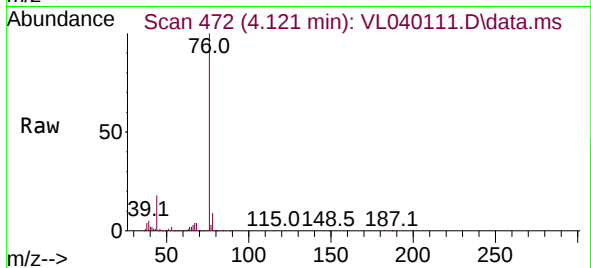




#27
Carbon Disulfide
Concen: 7.531 ppbv
RT: 4.121 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

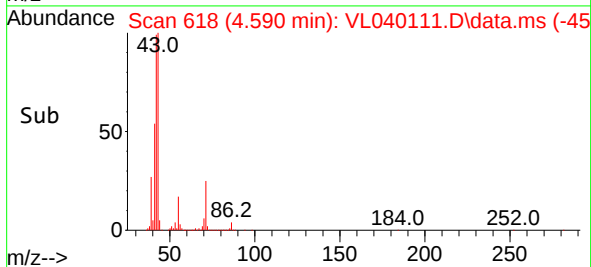
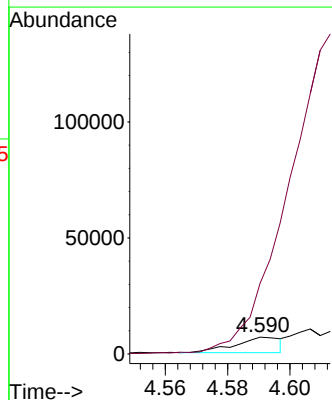
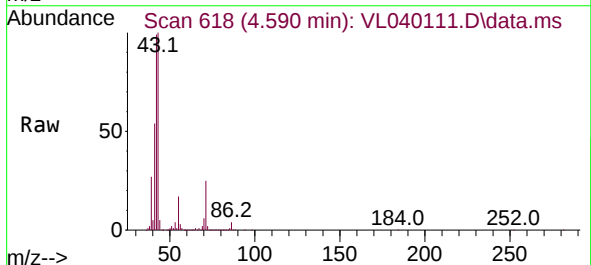
Instrument :
MSVOA_L
ClientSampleId :
VP-1

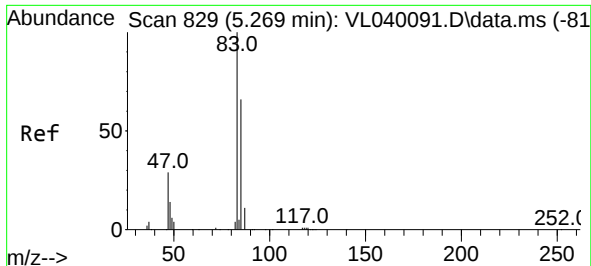
Tgt Ion: 76 Resp: 1065529
Ion Ratio Lower Upper
76 100
44 17.4 14.9 22.3
78 9.3 8.2 12.2



#28
Methyl tert-Butyl Ether
Concen: 0.055 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.013 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 73 Resp: 6798
Ion Ratio Lower Upper
73 100
57 0.0 18.3 27.5#

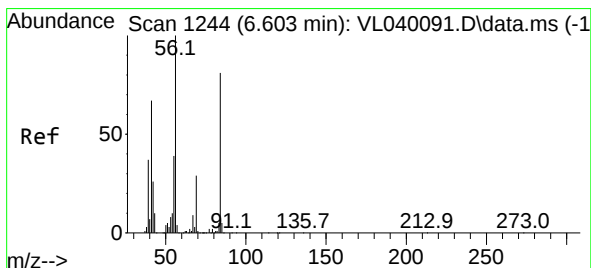
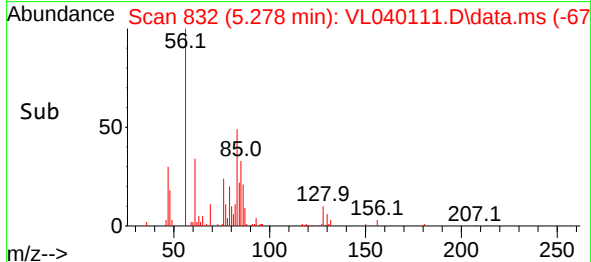
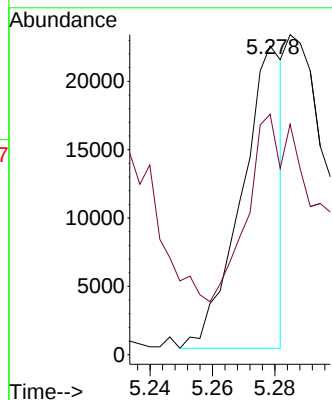
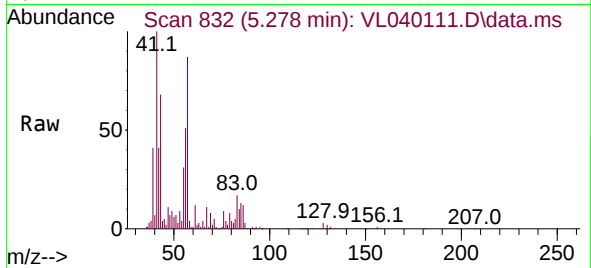




#29
Chloroform
Concen: 0.116 ppbv
RT: 5.278 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

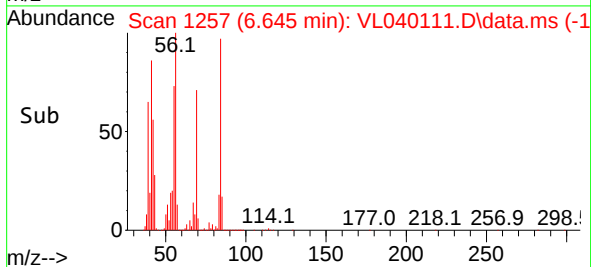
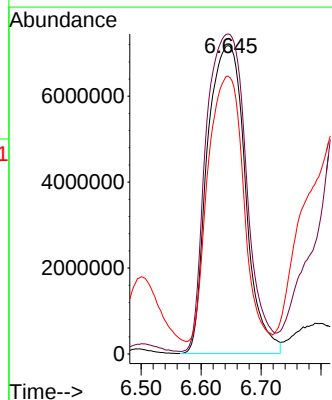
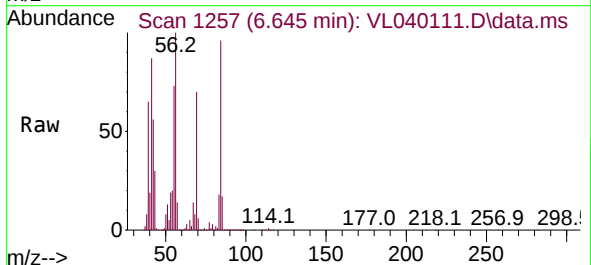
Instrument :
MSVOA_L
ClientSampleId :
VP-1

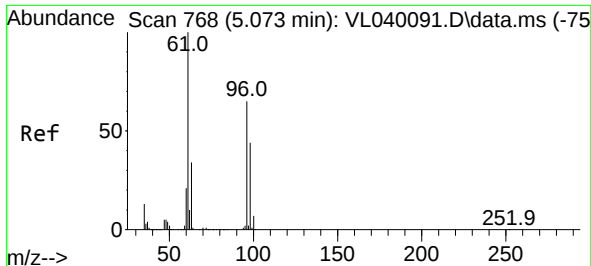
Tgt Ion: 83 Resp: 20229
Ion Ratio Lower Upper
83 100
85 55.1 53.1 79.7



#30
Cyclohexane
Concen: 361.535 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. 0.042 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 84 Resp: 31390005
Ion Ratio Lower Upper
84 100
56 108.9 111.5 167.3#
41 79.7 71.4 107.0

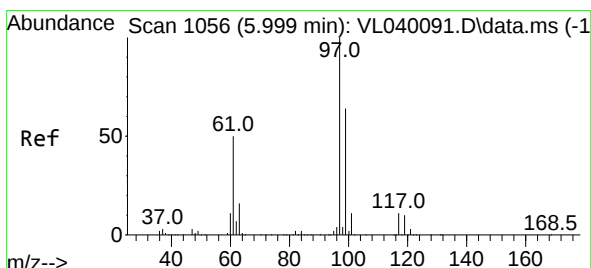
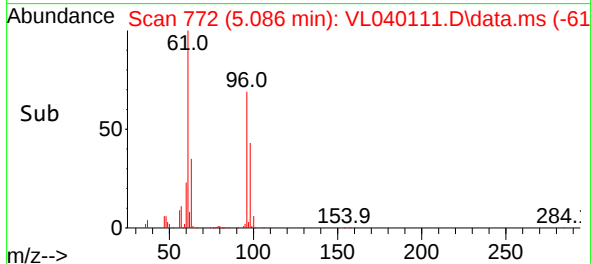
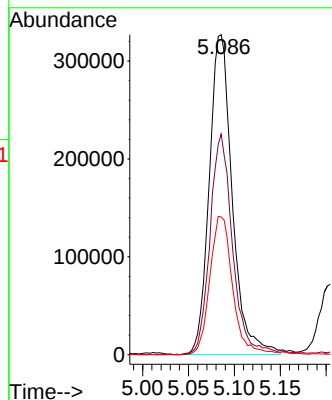
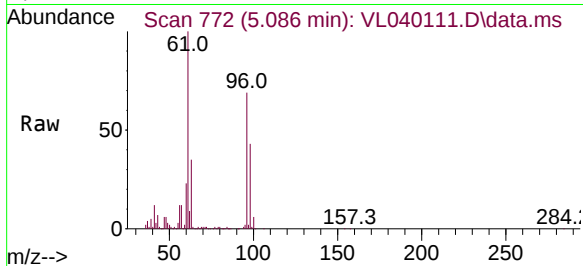




#31
 cis-1,2-Dichloroethene
 Concen: 5.403 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

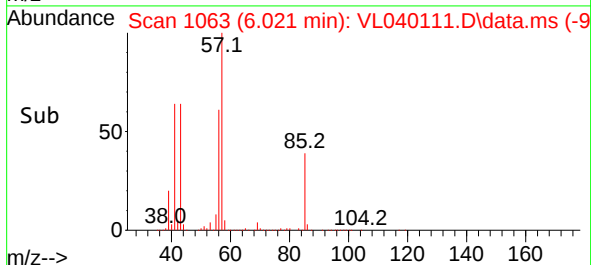
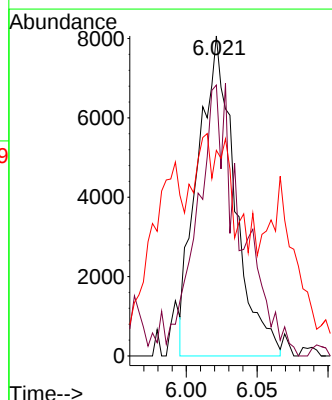
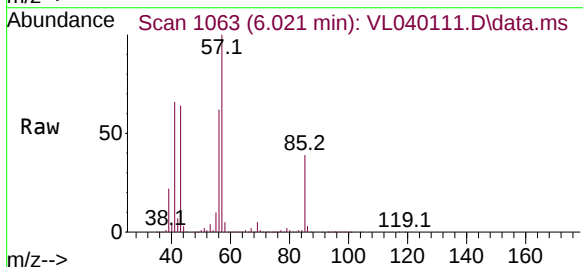
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

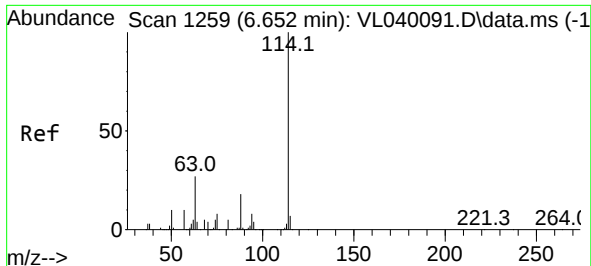
Tgt Ion: 61 Resp: 571251
 Ion Ratio Lower Upper
 61 100
 96 69.3 52.0 78.0
 98 43.3 35.3 52.9



#32
 1,1,1-Trichloroethane
 Concen: 0.083 ppbv
 RT: 6.021 min Scan# 1063
 Delta R.T. 0.022 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 97 Resp: 14737
 Ion Ratio Lower Upper
 97 100
 99 105.0 51.8 77.6#
 61 136.6 40.4 60.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.022 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

VP-1

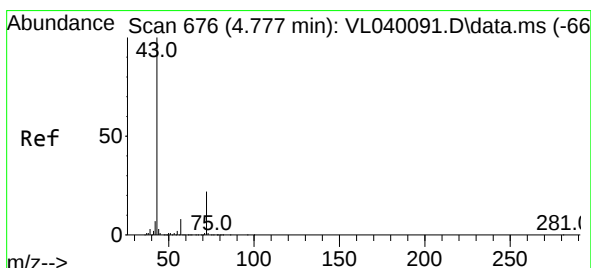
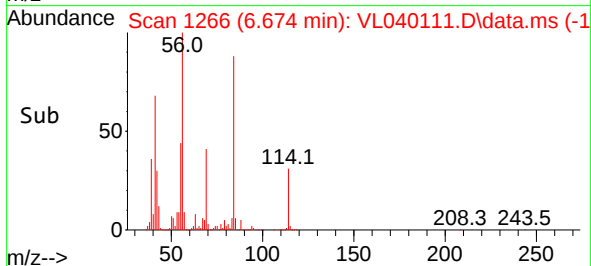
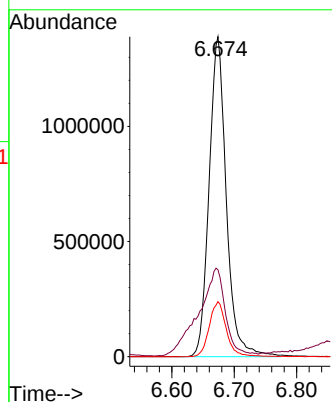
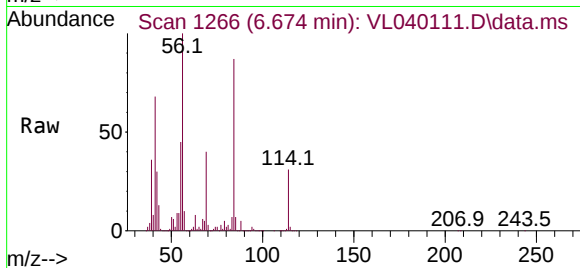
Tgt Ion:114 Resp: 2665077

Ion Ratio Lower Upper

114 100

63 43.7 21.8 32.8#

88 17.3 14.8 22.2



#34

2-Butanone

Concen: 79.822 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.006 min

Lab File: VL040111.D

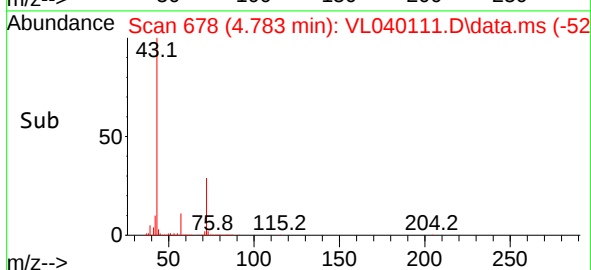
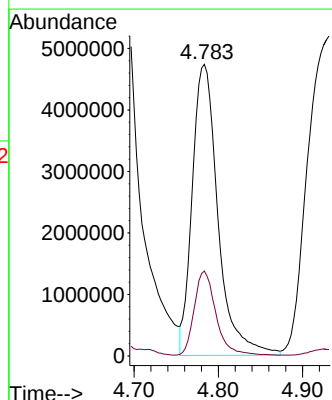
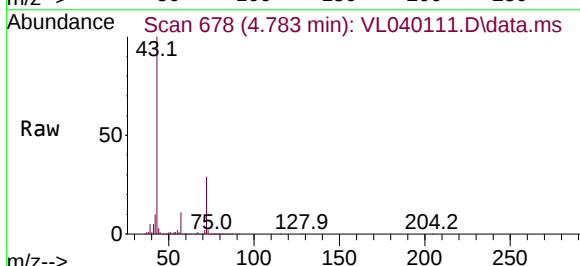
Acq: 19 Jan 2023 13:43

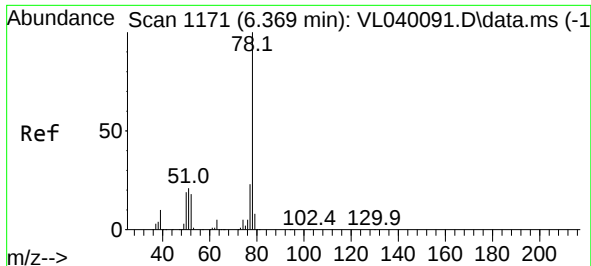
Tgt Ion: 43 Resp:10062393

Ion Ratio Lower Upper

43 100

72 25.2 18.4 27.6



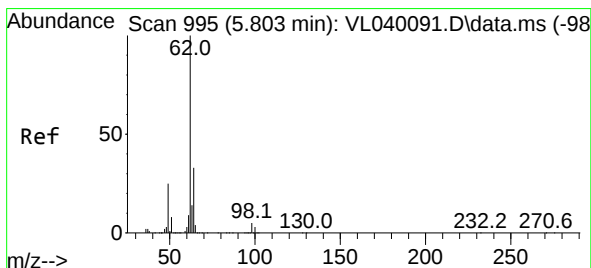
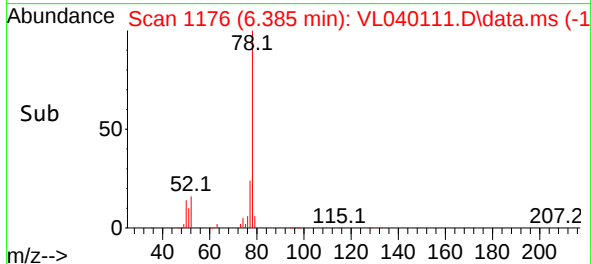
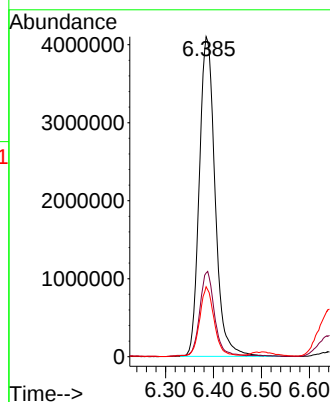
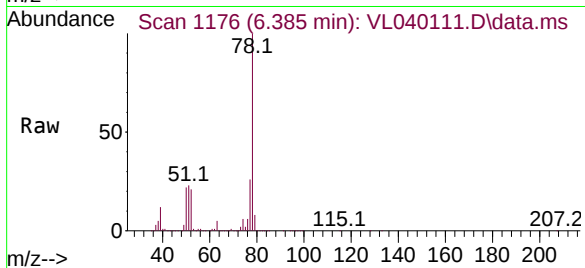


#36
Benzene
Concen: 47.395 ppbv
RT: 6.385 min Scan# 1171
Delta R.T. 0.016 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Instrument :
MSVOA_L
ClientSampleId :
VP-1

Tgt Ion: 78 Resp: 9347259

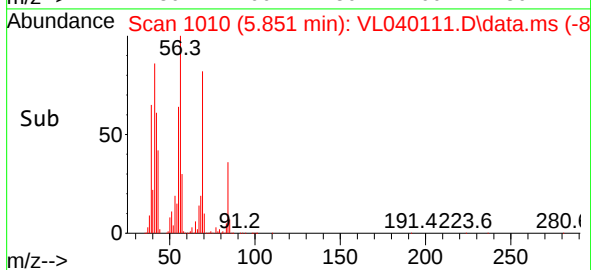
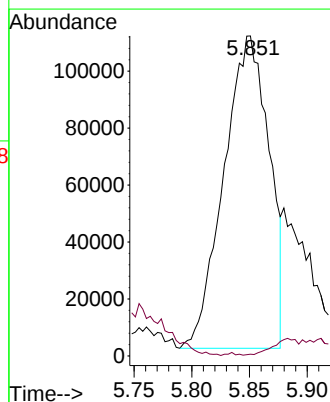
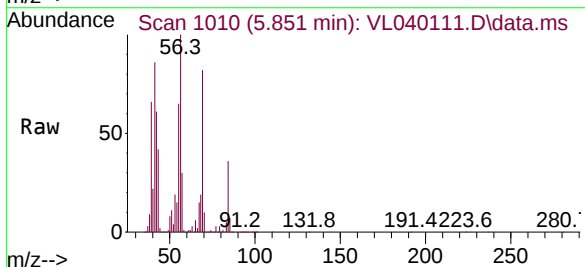
Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.1	27.1
50	21.5	15.6	23.4

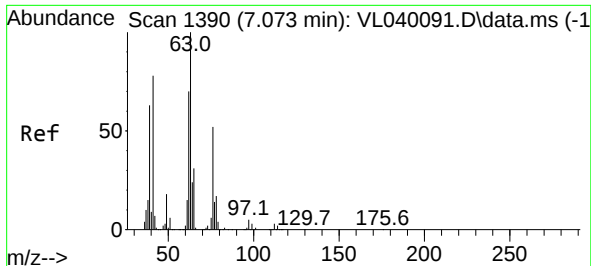


#37
1,2-Dichloroethane
Concen: 2.361 ppbv
RT: 5.851 min Scan# 1010
Delta R.T. 0.048 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 62 Resp: 299243

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6





#39

1,2-Dichloropropane

Concen: 2.001 ppbv

RT: 7.044 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

VP-1

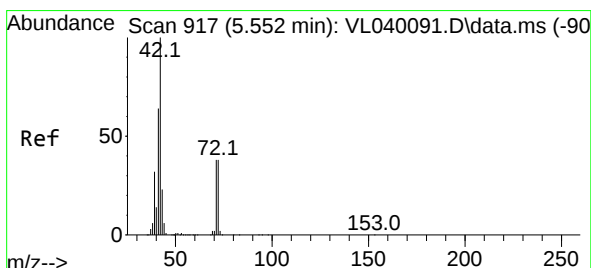
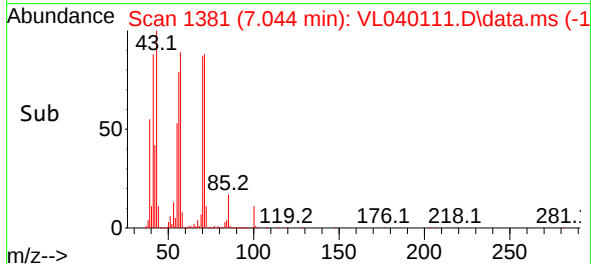
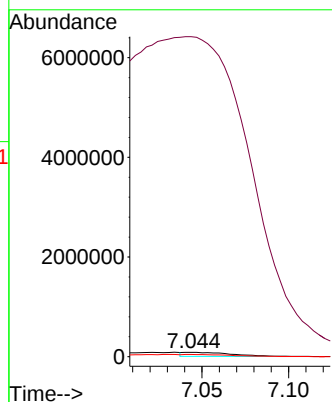
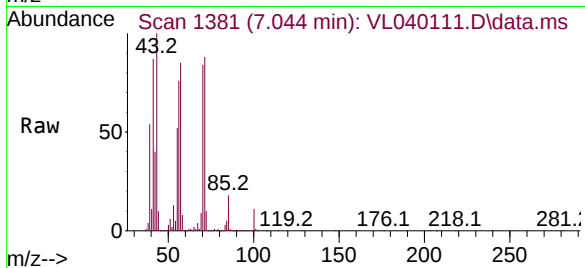
Tgt Ion: 63 Resp: 154335

Ion Ratio Lower Upper

63 100

41 6369.1 62.2 93.4#

62 52.7 55.8 83.8#



#41

Tetrahydrofuran

Concen: 13.891 ppbv

RT: 5.561 min Scan# 920

Delta R.T. 0.009 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

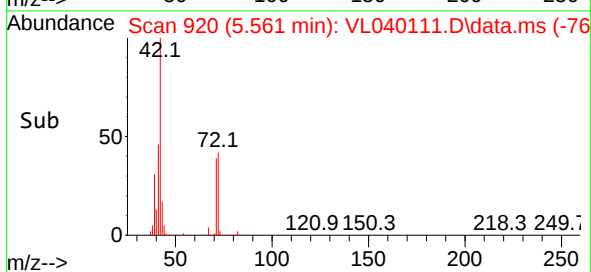
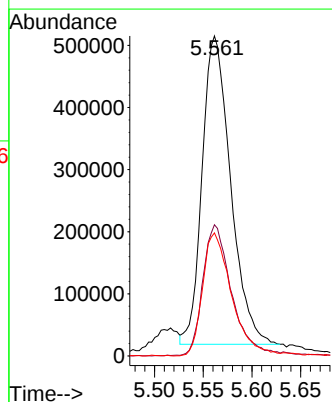
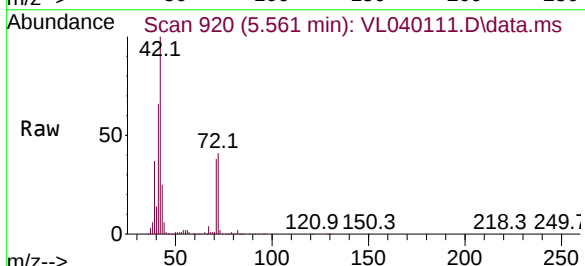
Tgt Ion: 42 Resp: 1010724

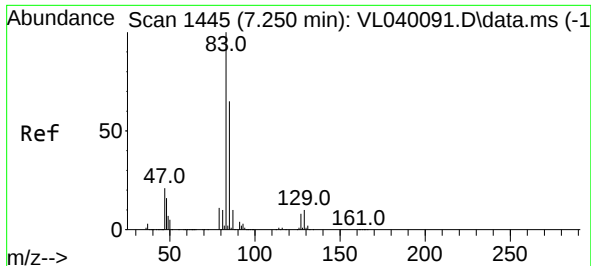
Ion Ratio Lower Upper

42 100

72 43.5 31.9 47.9

71 41.7 31.4 47.2

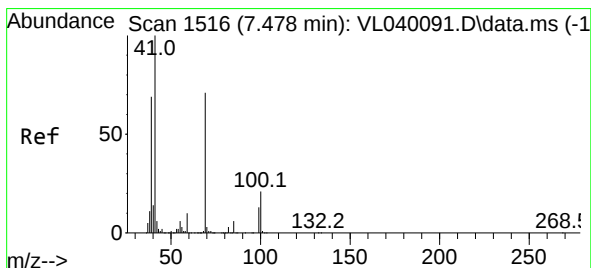
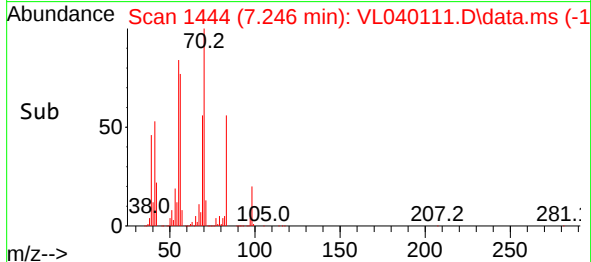
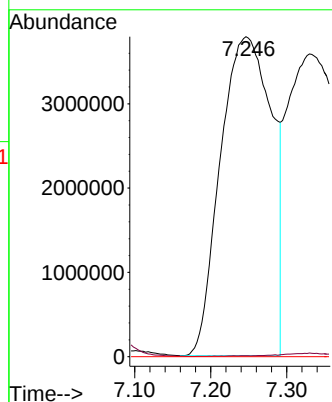
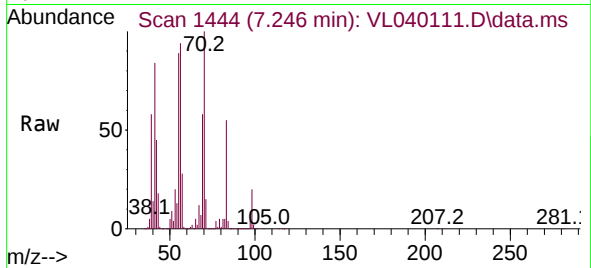




#42
Bromodichloromethane
Concen: 104.091 ppbv
RT: 7.246 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

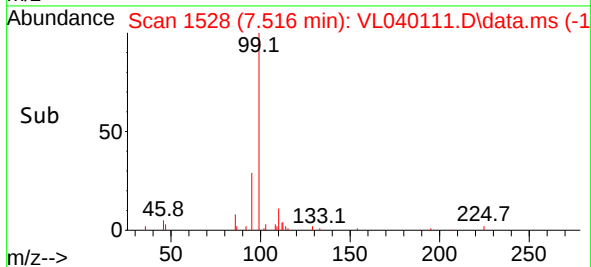
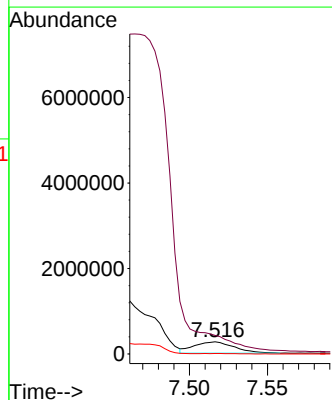
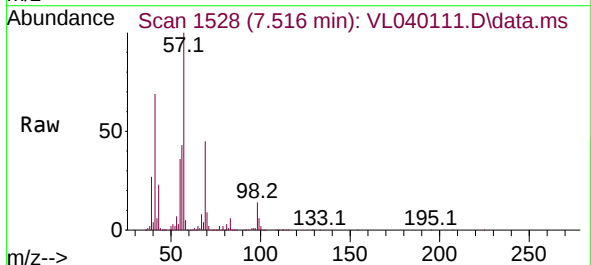
Instrument :
MSVOA_L
ClientSampleId :
VP-1

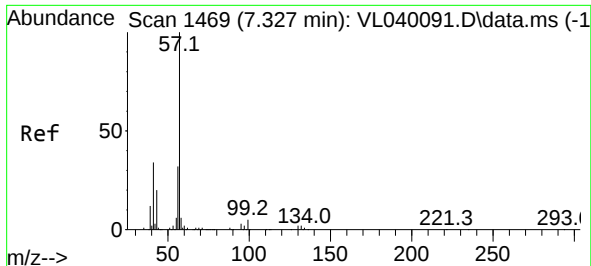
Tgt Ion: 83 Resp:17817823
Ion Ratio Lower Upper
83 100
85 0.2 51.7 77.5#
127 0.0 6.2 9.2#



#43
Methyl Methacrylate
Concen: 6.630 ppbv
RT: 7.516 min Scan# 1528
Delta R.T. 0.038 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 69 Resp: 479847
Ion Ratio Lower Upper
69 100
41 11160.7 118.2 177.2#
100 216.5 24.2 36.4#

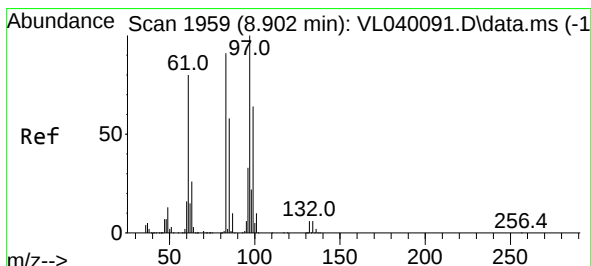
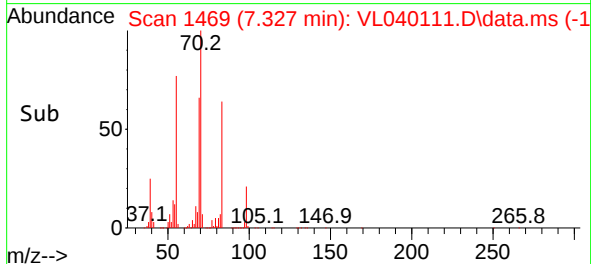
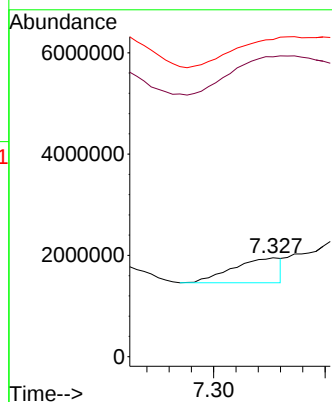
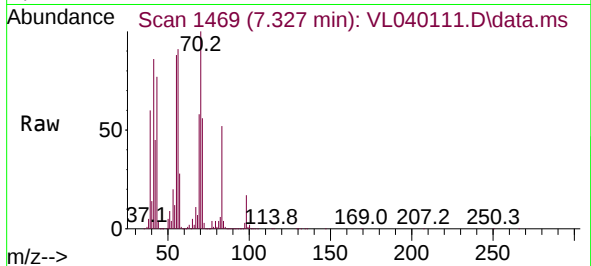




#44
 2,2,4-Trimethylpentane
 Concen: 2.245 ppbv
 RT: 7.327 min Scan# 1469
 Delta R.T. -0.000 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

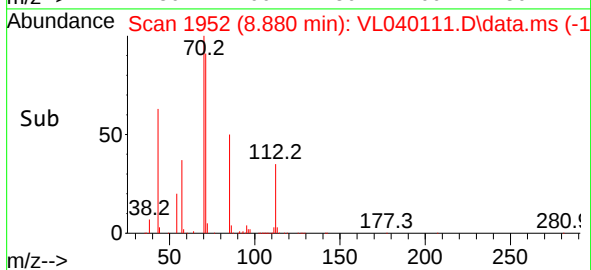
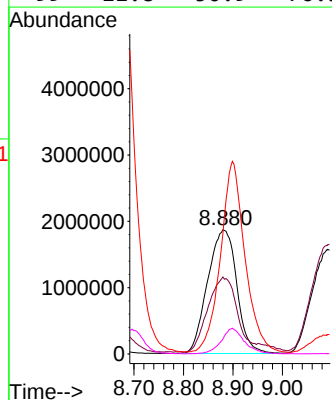
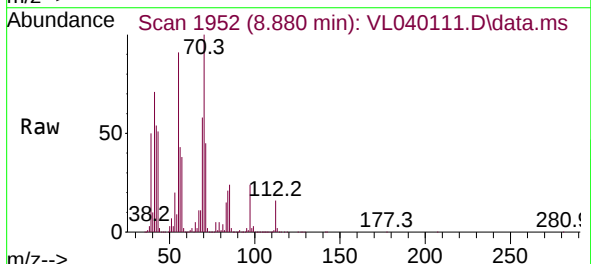
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1

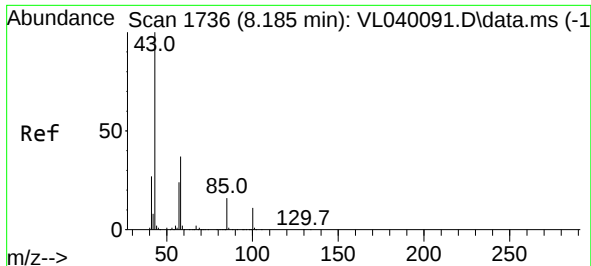
Tgt Ion: 57 Resp: 736325
 Ion Ratio Lower Upper
 57 100
 41 3549.9 27.1 40.7#
 56 0.0 25.0 37.4#



#47
 1,1,2-Trichloroethane
 Concen: 94.112 ppbv
 RT: 8.880 min Scan# 1952
 Delta R.T. -0.023 min
 Lab File: VL040111.D
 Acq: 19 Jan 2023 13:43

Tgt Ion: 97 Resp: 7643855
 Ion Ratio Lower Upper
 97 100
 83 60.5 72.9 109.3#
 85 95.6 46.0 69.0#
 99 11.8 50.9 76.3#





#50

4-Methyl-2-Pentanone

Concen: 54.022 ppbv

RT: 8.362 min Scan# 1

Delta R.T. 0.177 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

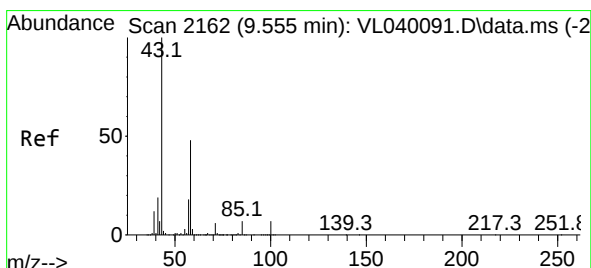
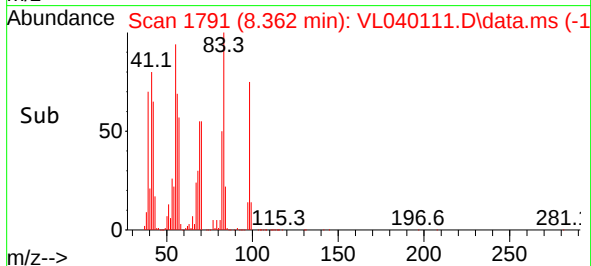
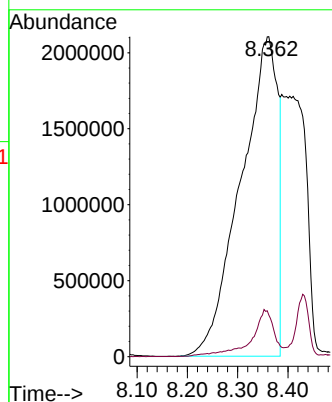
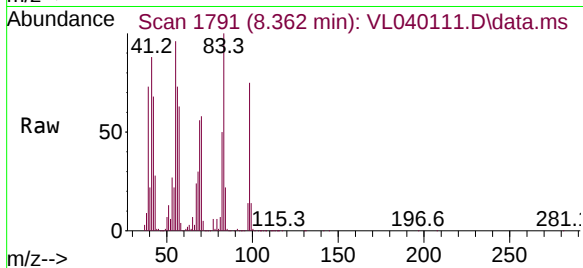
VP-1

Tgt Ion: 43 Resp:10711692

Ion Ratio Lower Upper

43 100

58 9.4 28.8 43.2#



#51

2-Hexanone

Concen: 372.742 ppbv

RT: 9.635 min Scan# 2187

Delta R.T. 0.080 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

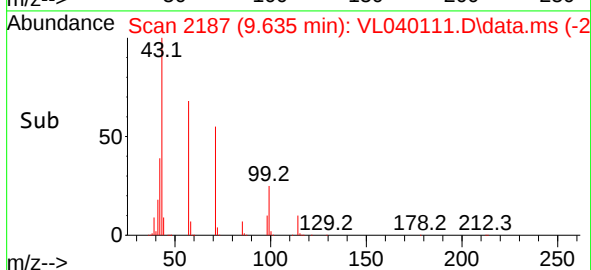
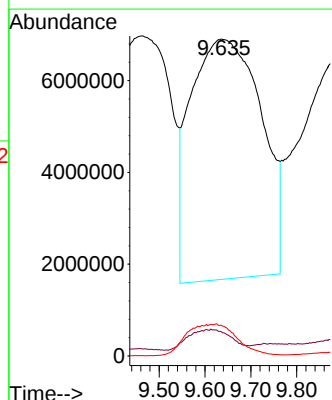
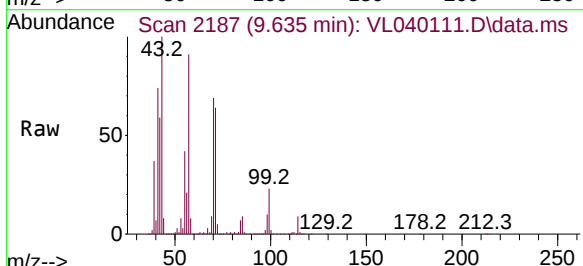
Tgt Ion: 43 Resp:55993956

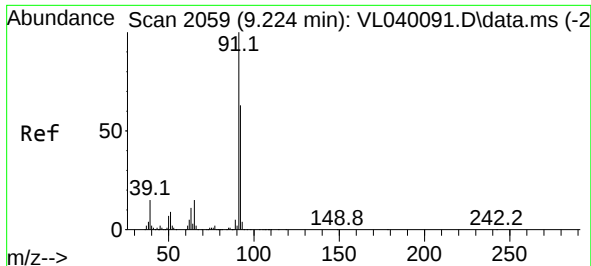
Ion Ratio Lower Upper

43 100

58 7.0 37.5 56.3#

98 9.6 0.4 0.6#

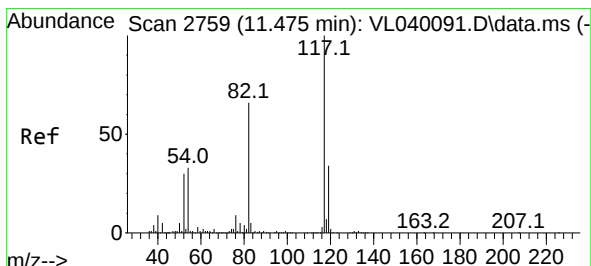
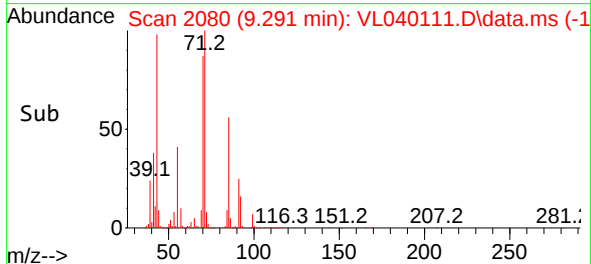
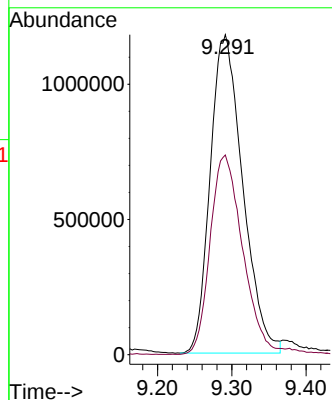
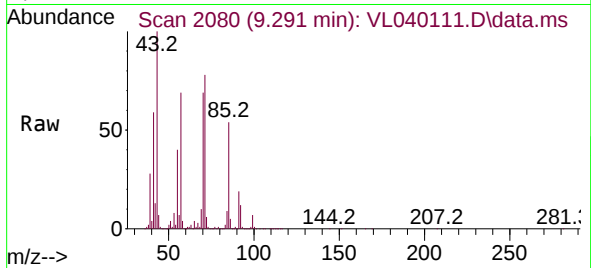




#53
Toluene
Concen: 17.026 ppbv
RT: 9.291 min Scan# 2059
Delta R.T. 0.067 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

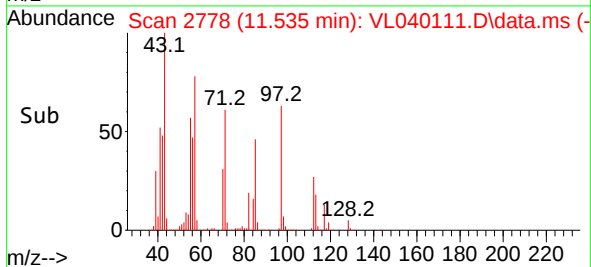
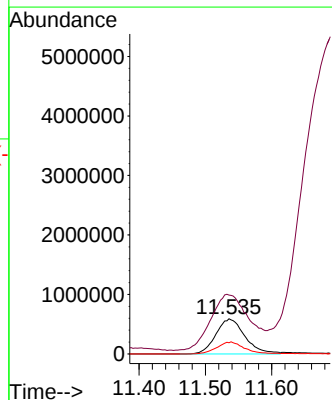
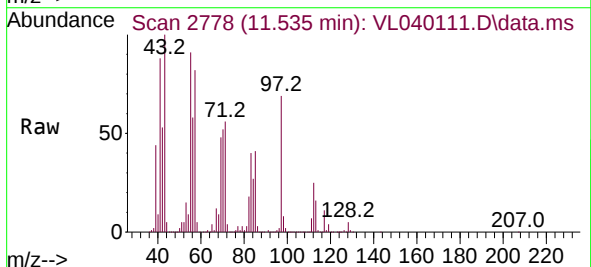
Instrument :
MSVOA_L
ClientSampleId :
VP-1

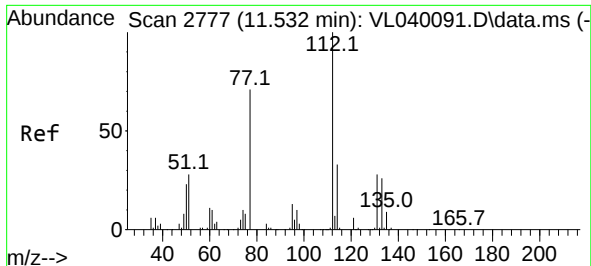
Tgt Ion: 91 Resp: 3581517
Ion Ratio Lower Upper
91 100
92 63.7 48.3 72.5



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.535 min Scan# 2778
Delta R.T. 0.061 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 117 Resp: 1795276
Ion Ratio Lower Upper
117 100
82 209.5 54.4 81.6#
119 34.4 26.8 40.2

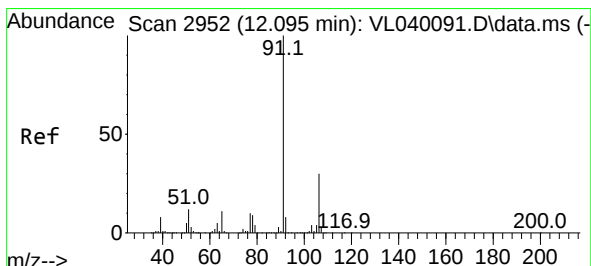
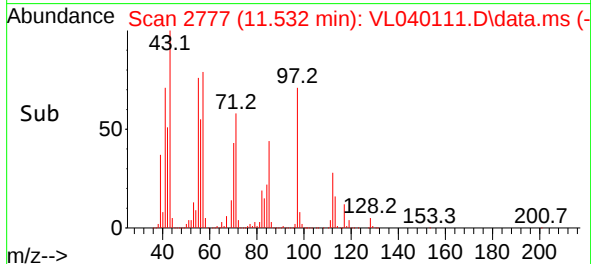
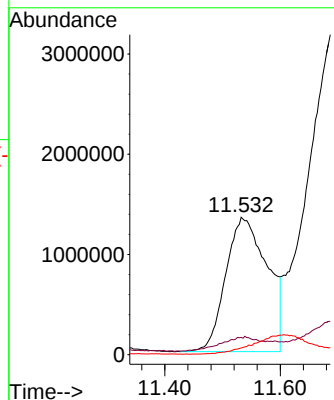
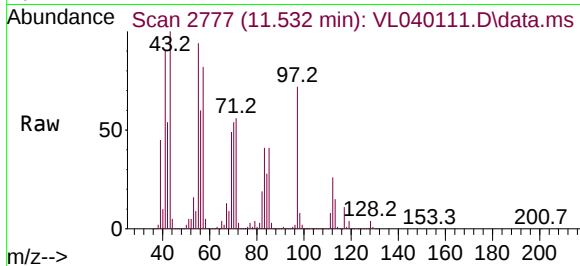




#57
Chlorobenzene
Concen: 54.701 ppbv
RT: 11.532 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

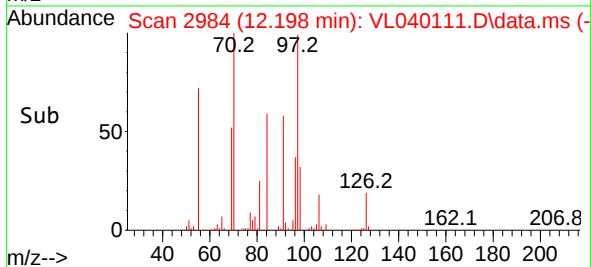
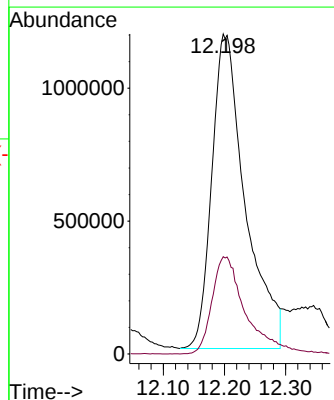
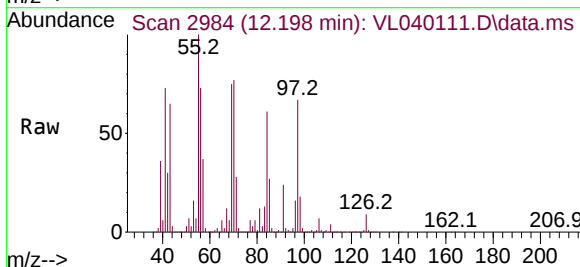
Instrument :
MSVOA_L
ClientSampleId :
VP-1

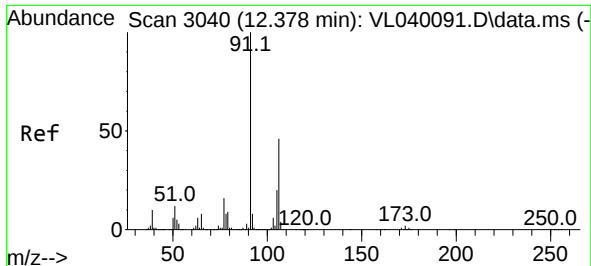
Tgt Ion:112 Resp: 6693937
Ion Ratio Lower Upper
112 100
77 10.1 57.3 85.9#
114 4.5 29.6 36.2#



#58
Ethyl Benzene
Concen: 22.437 ppbv
RT: 12.198 min Scan# 2984
Delta R.T. 0.103 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 91 Resp: 4495165
Ion Ratio Lower Upper
91 100
106 30.9 23.7 35.5





#59

m/p-Xylene

Concen: 2.528 ppbv

RT: 12.458 min Scan# 3040

Delta R.T. 0.080 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

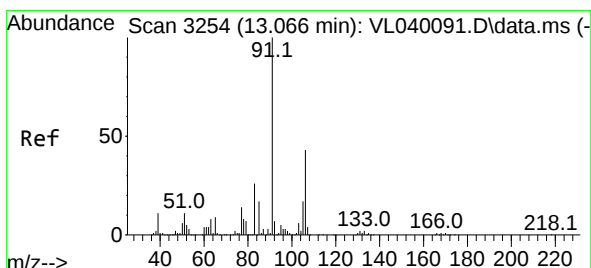
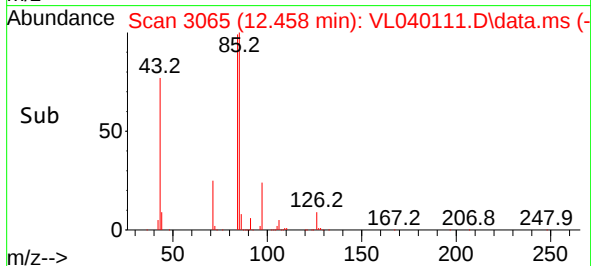
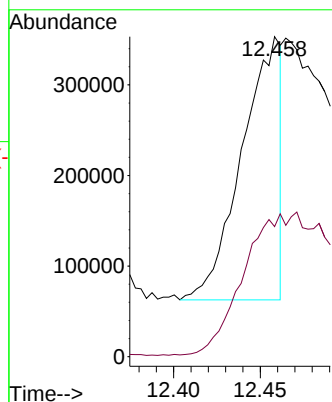
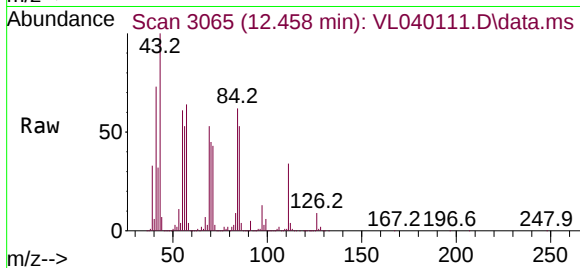
VP-1

Tgt Ion: 91 Resp: 455315

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.4#



#60

o-Xylene

Concen: 3.260 ppbv

RT: 13.169 min Scan# 3286

Delta R.T. 0.103 min

Lab File: VL040111.D

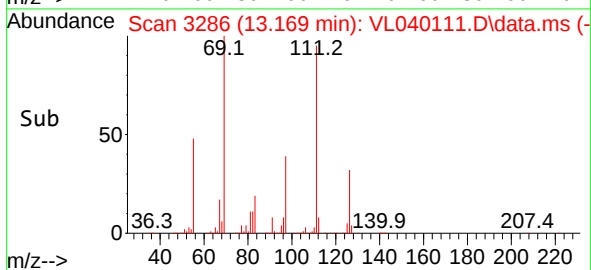
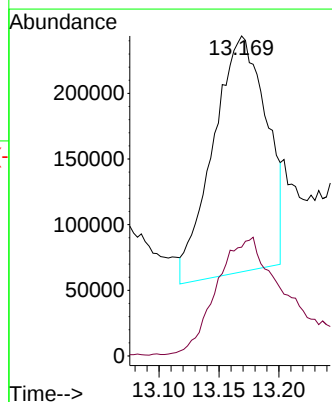
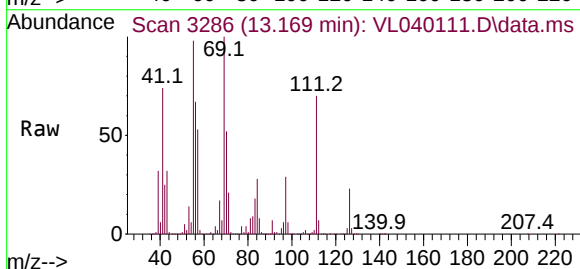
Acq: 19 Jan 2023 13:43

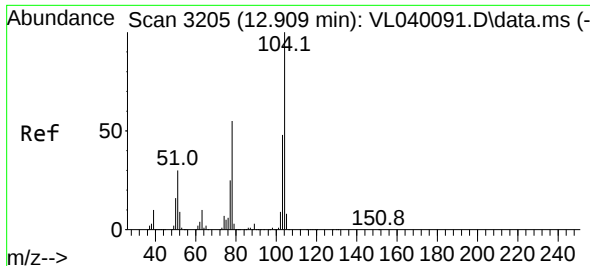
Tgt Ion: 91 Resp: 557339

Ion Ratio Lower Upper

91 100

106 72.6 21.6 64.8#

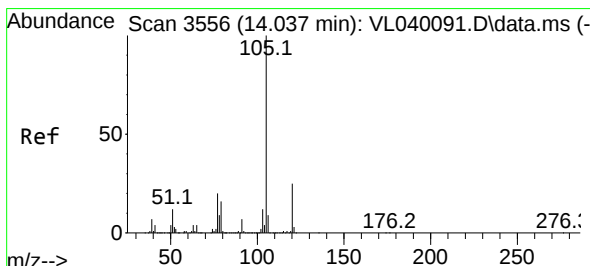
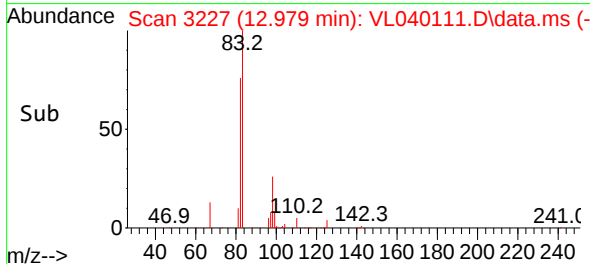
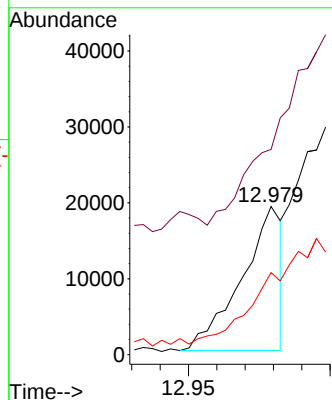
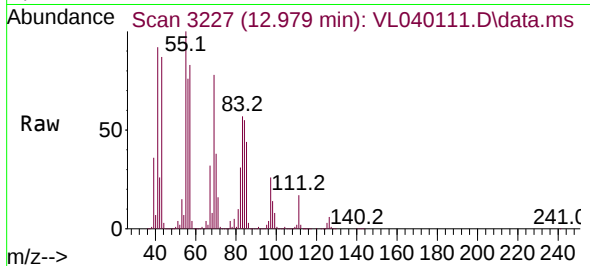




#61
Styrene
Concen: 0.210 ppbv
RT: 12.979 min Scan# 31
Delta R.T. 0.071 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

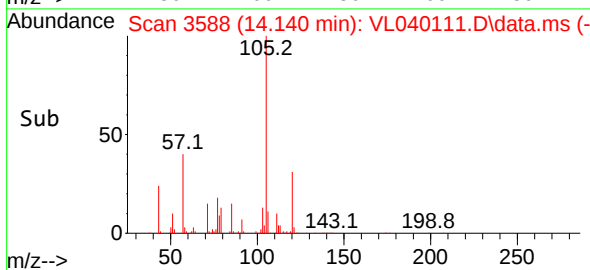
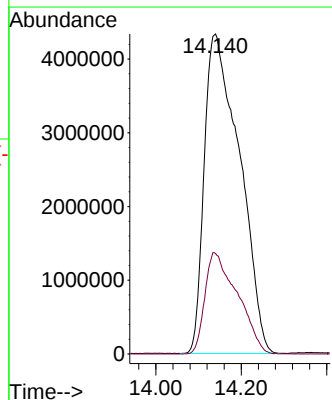
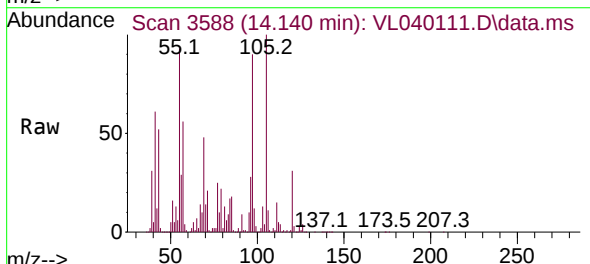
Instrument :
MSVOA_L
ClientSampleId :
VP-1

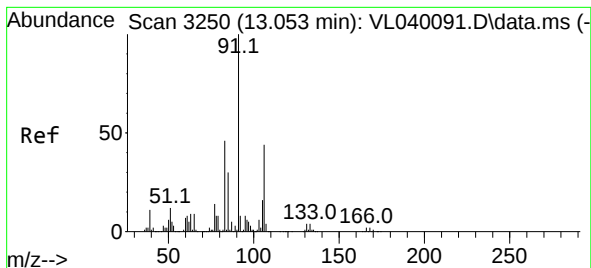
Tgt Ion:104 Resp: 18715
Ion Ratio Lower Upper
104 100
78 0.0 44.0 66.0#
103 0.0 37.8 56.6#



#62
Isopropylbenzene
Concen: 100.758 ppbv
RT: 14.140 min Scan# 3588
Delta R.T. 0.103 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion:105 Resp:24780092
Ion Ratio Lower Upper
105 100
120 29.4 20.2 30.2

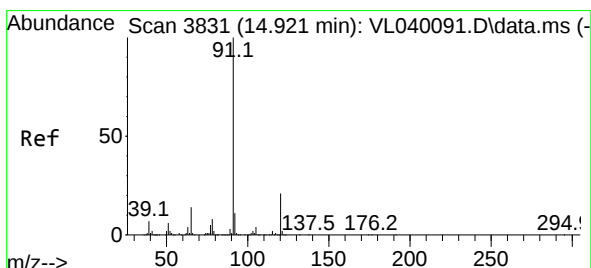
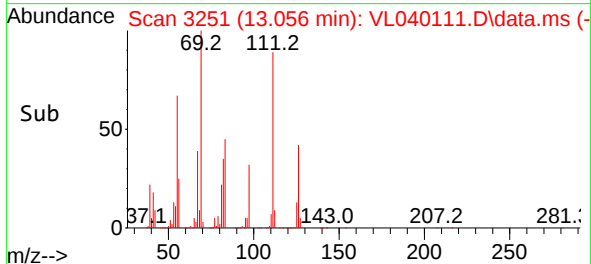
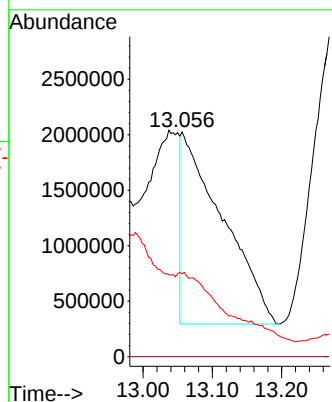
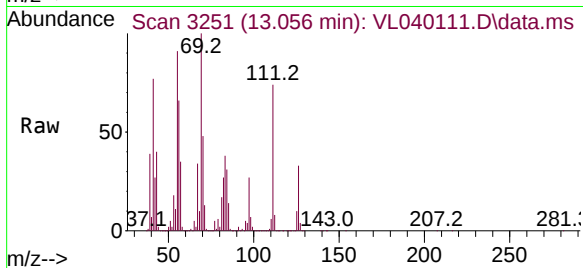




#63
1,1,2,2-Tetrachloroethane
Concen: 114.027 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

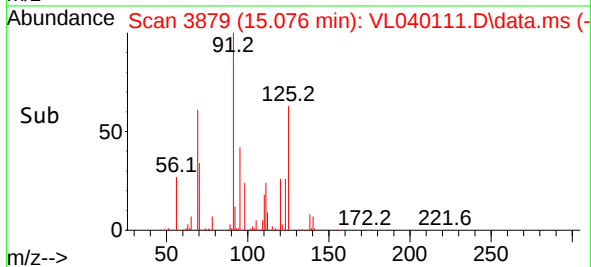
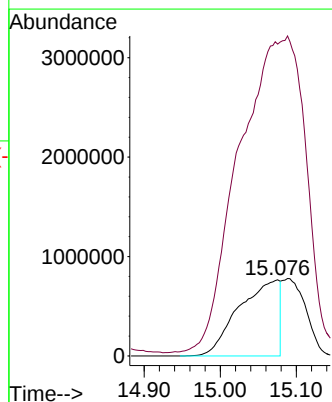
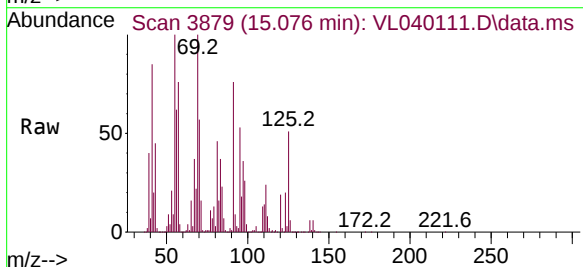
Instrument :
MSVOA_L
ClientSampleId :
VP-1

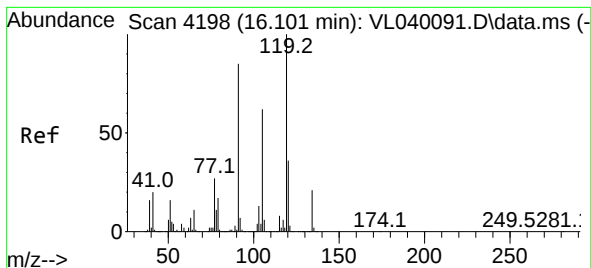
Tgt Ion: 83 Resp: 7079190
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 0.0 32.5 97.5#



#64
n-propylbenzene
Concen: 46.475 ppbv
RT: 15.076 min Scan# 3879
Delta R.T. 0.154 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion:120 Resp: 2841267
Ion Ratio Lower Upper
120 100
91 0.0 397.0 595.4#

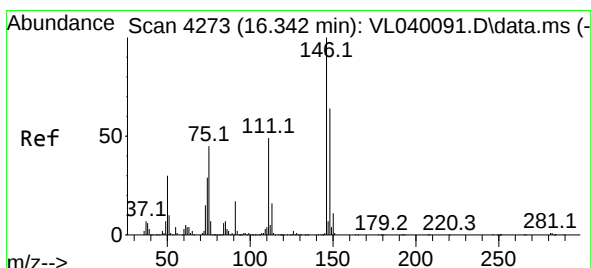
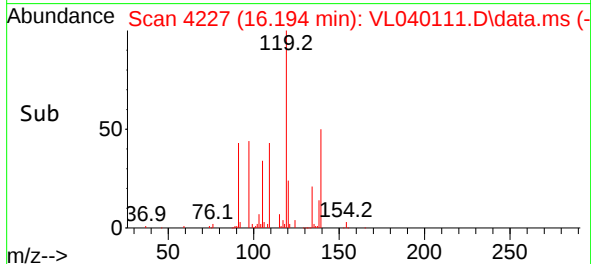
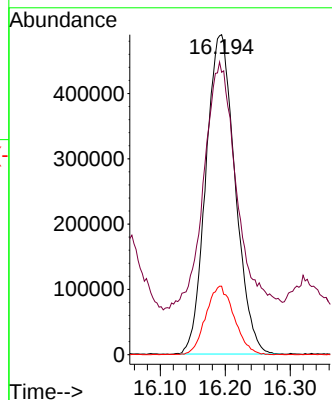
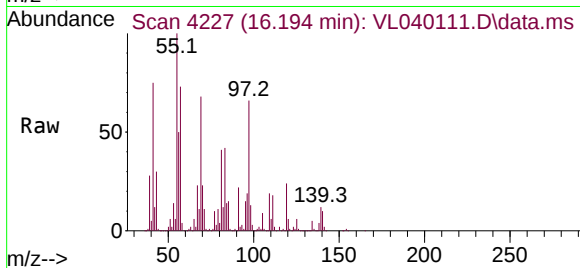




#65
tert-Butylbenzene
Concen: 7.269 ppbv
RT: 16.194 min Scan# 4311
Delta R.T. 0.093 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

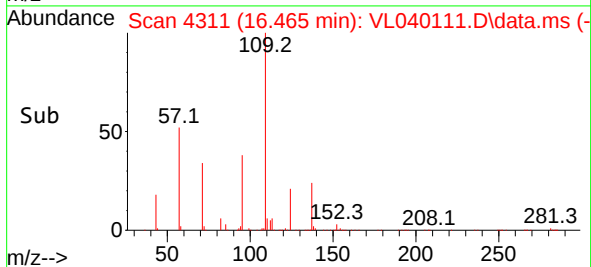
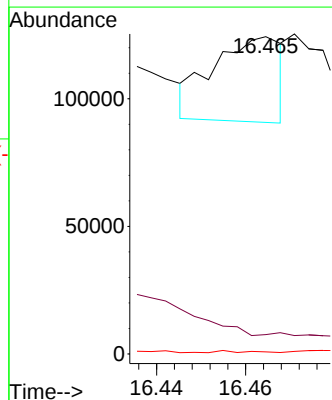
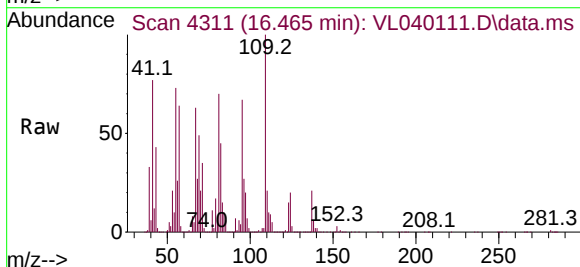
Instrument :
MSVOA_L
ClientSampleId :
VP-1

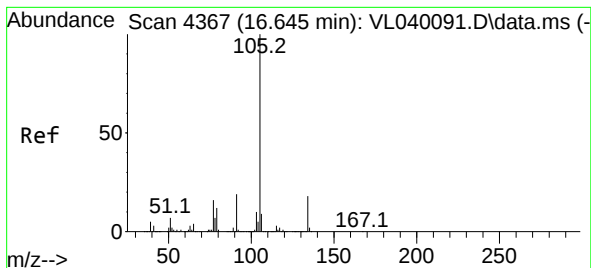
Tgt Ion:119 Resp: 1530514
Ion Ratio Lower Upper
119 100
91 104.4 69.5 104.3#
134 20.9 15.8 23.8



#66
Benzyl Chloride
Concen: 2.459 ppbv
RT: 16.465 min Scan# 4311
Delta R.T. 0.122 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 91 Resp: 35384
Ion Ratio Lower Upper
91 100
126 170.1 11.5 17.3#
128 9.1 0.0 0.0#





#67

sec-Butylbenzene

Concen: 32.113 ppbv

RT: 16.728 min Scan# 41

Delta R.T. 0.083 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

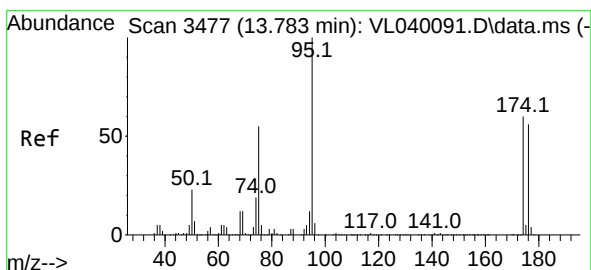
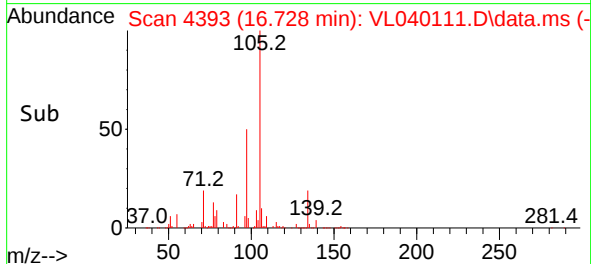
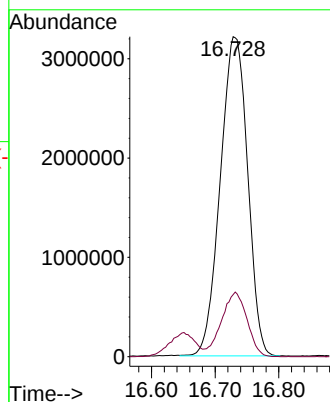
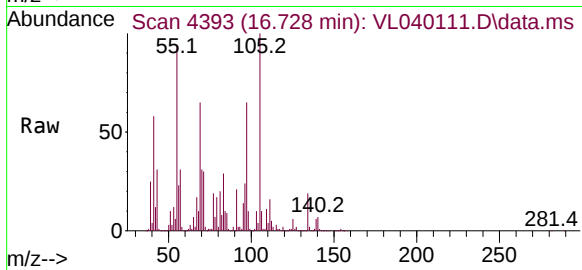
VP-1

Tgt Ion:105 Resp: 9585924

Ion Ratio Lower Upper

105 100

134 19.0 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 171.874 ppbv

RT: 13.867 min Scan# 3503

Delta R.T. 0.083 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

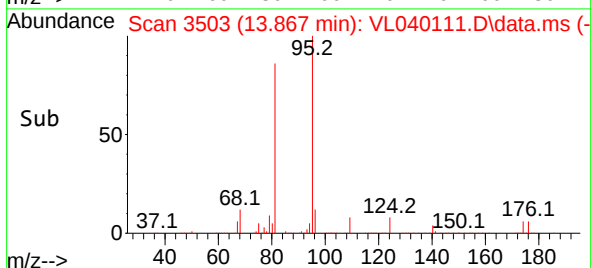
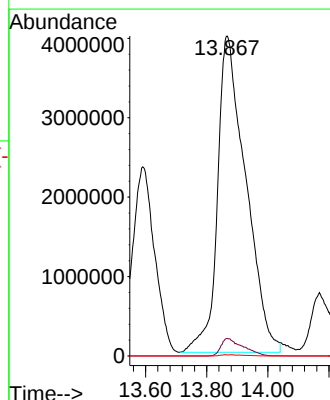
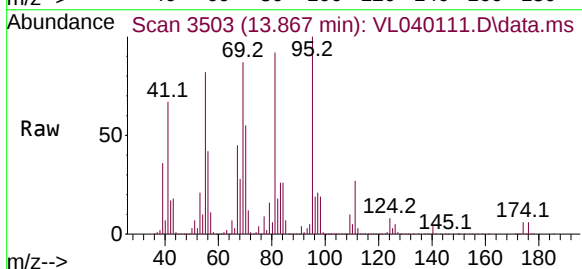
Tgt Ion: 95 Resp:25644663

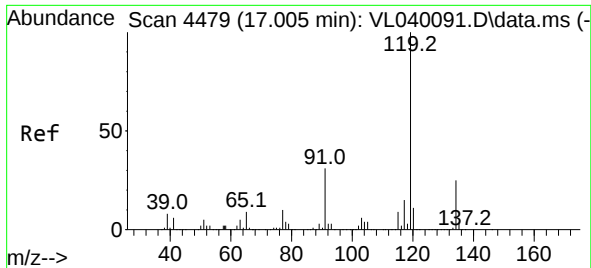
Ion Ratio Lower Upper

95 100

174 4.3 47.7 71.5#

175 0.3 3.4 5.2#





#69

p-Isopropyltoluene

Concen: 0.076 ppbv

RT: 17.088 min Scan# 4

Delta R.T. 0.083 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

Instrument :

MSVOA_L

ClientSampleId :

VP-1

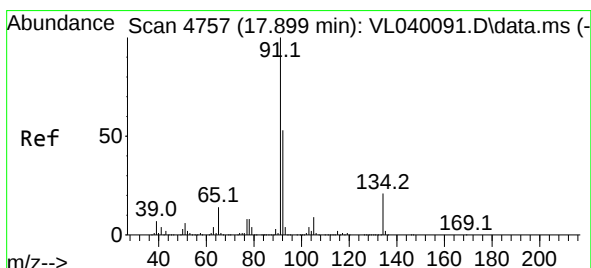
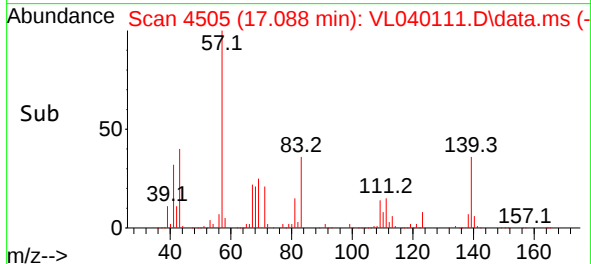
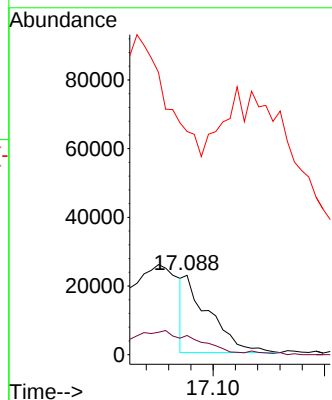
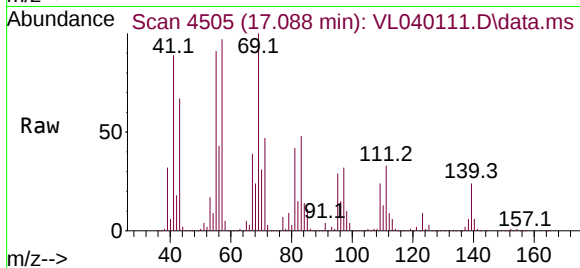
Tgt Ion:119 Resp: 17850

Ion Ratio Lower Upper

119 100

134 0.0 20.1 30.1#

91 695.9 25.0 37.4#



#70

n-Butylbenzene

Concen: 1.498 ppbv

RT: 17.956 min Scan# 4775

Delta R.T. 0.058 min

Lab File: VL040111.D

Acq: 19 Jan 2023 13:43

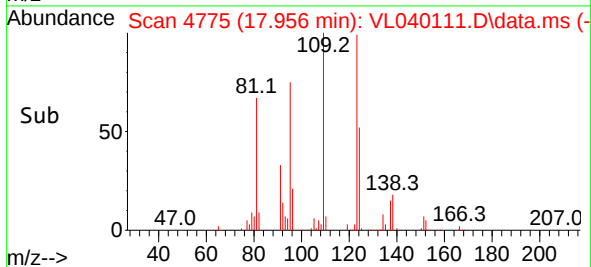
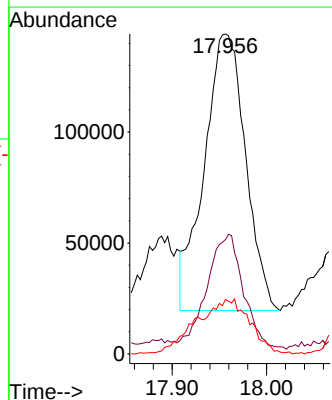
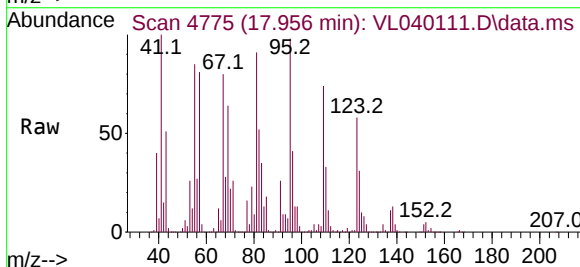
Tgt Ion: 91 Resp: 378819

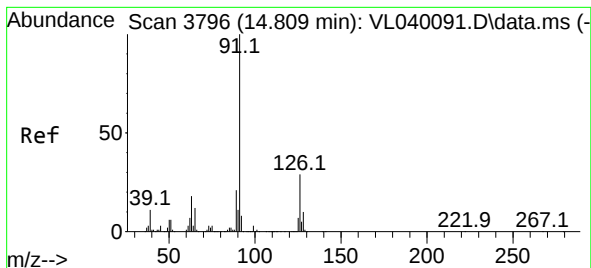
Ion Ratio Lower Upper

91 100

92 39.6 42.8 64.2#

134 25.9 16.9 25.3#

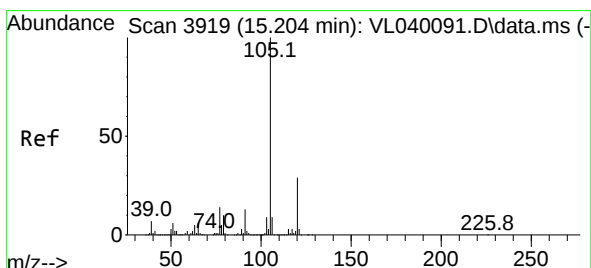
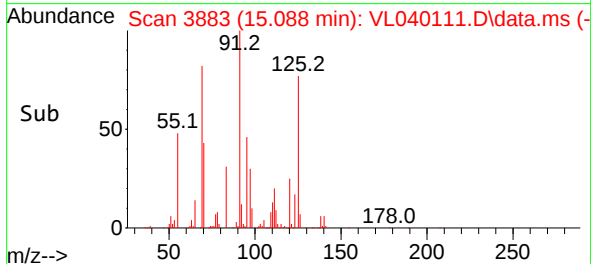
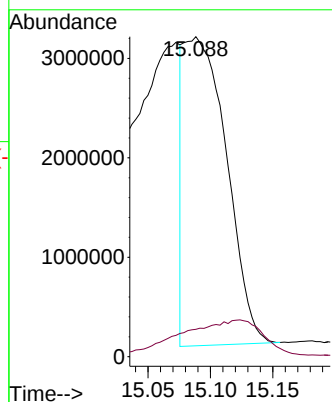
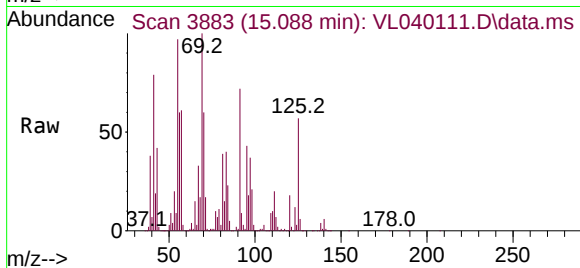




#71
2-Chlorotoluene
Concen: 38.853 ppbv
RT: 15.088 min Scan# 3938
Delta R.T. 0.280 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

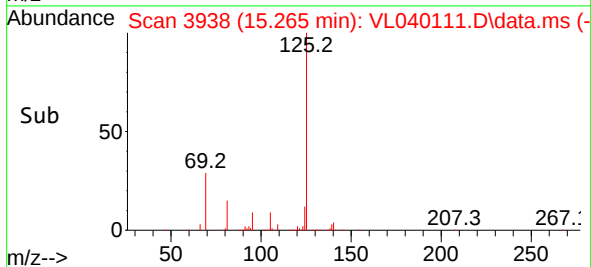
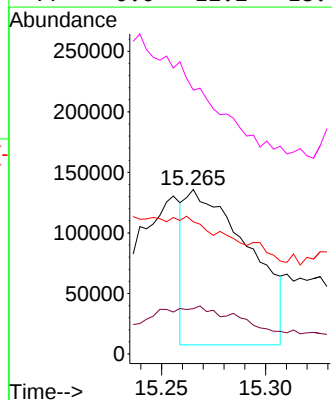
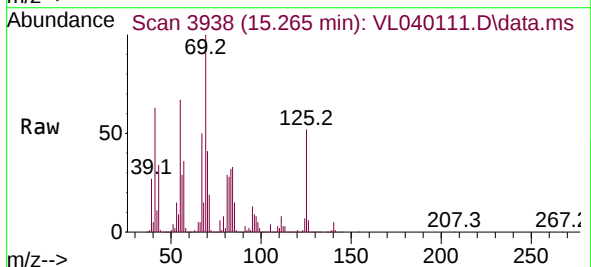
Instrument :
MSVOA_L
ClientSampleId :
VP-1

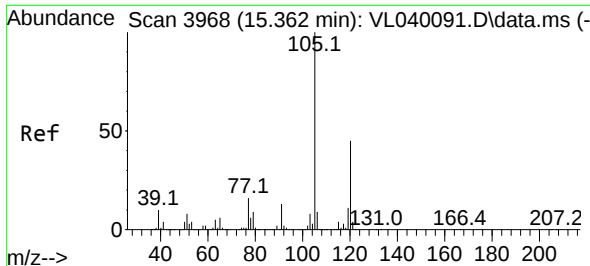
Tgt Ion: 91 Resp: 7349059
Ion Ratio Lower Upper
91 100
126 22.5 11.9 47.5



#72
4-Ethyltoluene
Concen: 1.434 ppbv
RT: 15.265 min Scan# 3938
Delta R.T. 0.061 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion: 105 Resp: 272169
Ion Ratio Lower Upper
105 100
120 72.8 23.1 34.7#
91 0.0 11.2 16.8#
77 0.0 12.2 18.4#

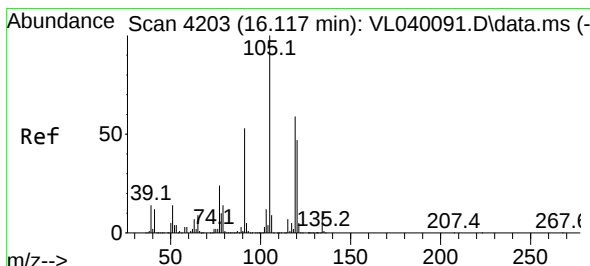
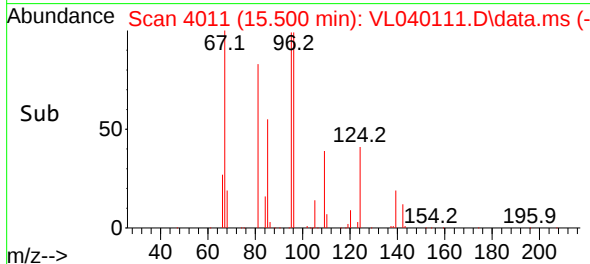
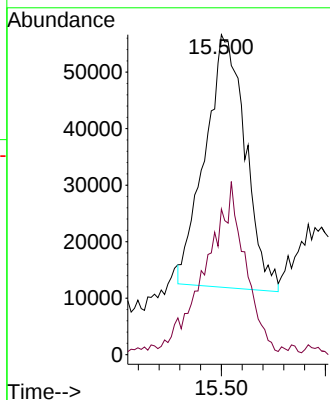
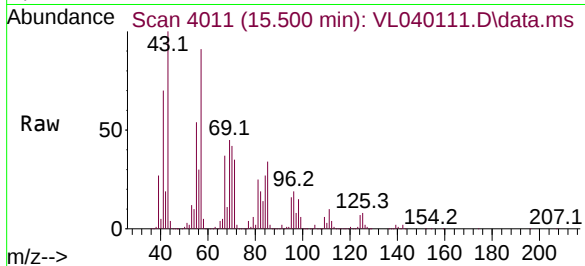




#73
1,3,5-Trimethylbenzene
Concen: 0.703 ppbv
RT: 15.500 min Scan# 4011
Delta R.T. 0.138 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Instrument :
MSVOA_L
ClientSampleId :
VP-1

Tgt Ion:105 Resp: 120101
Ion Ratio Lower Upper
105 100
120 57.1 36.2 54.4#



#74
1,2,4-Trimethylbenzene
Concen: 4.260 ppbv
RT: 16.214 min Scan# 4233
Delta R.T. 0.096 min
Lab File: VL040111.D
Acq: 19 Jan 2023 13:43

Tgt Ion:105 Resp: 806075
Ion Ratio Lower Upper
105 100
120 54.5 38.0 57.0
91 77.1 42.1 63.1#
77 6.9 19.3 28.9#

