

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040143.D
 Acq On : 6 Feb 2023 12:46
 Operator : SY/MD
 Sample : VL0206ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 07 05:54:12 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 : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	929440	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2389209	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2338500	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1797347	9.248	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	1666617	10.227	ppbv	97
3) Chlorodifluoromethane	2.661	51	1072790	9.623	ppbv	98
4) Chloromethane	2.799	50	668722	9.706	ppbv	98
5) Vinyl Chloride	2.906	62	586659	10.043	ppbv	100
6) Bromomethane	3.105	94	195737	9.183	ppbv	98
7) Chloroethane	3.182	64	211195	9.459	ppbv	96
8) Dichlorotetrafluoroethane	2.844	85	1474017	9.689	ppbv	100
9) Propene	2.680	41	418795	9.042	ppbv	92
10) Heptane	7.574	43	1112027	10.417	ppbv	99
11) Trichlorofluoromethane	3.552	101	1530124	9.408	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1124399	9.196	ppbv	96
13) Ethanol	3.227	45	25164	5.903	ppbv	92
14) Bromoethene	3.352	108	458593	10.104	ppbv	98
15) Acetone	3.455	43	1009690	9.058	ppbv	99
16) 1,3-Butadiene	2.970	39	532023	10.237	ppbv	97
17) tert-Butyl alcohol	3.867	59	1026856	9.893	ppbv	100
18) 1,1-Dichloroethene	3.867	96	510542	9.611	ppbv	95
19) Isopropyl Alcohol	3.565	45	474323	8.697	ppbv #	97
20) Methylene Chloride	3.922	84	438024	8.907	ppbv	99
21) Allyl Chloride	3.986	41	710197	9.923	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	533413	9.827	ppbv	98
23) Vinyl Acetate	4.616	43	357226	9.886	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1069462	9.774	ppbv	99
25) Ethyl Acetate	5.195	43	2034084	10.358	ppbv	99
26) Hexane	5.205	57	872190	10.149	ppbv	98
27) Carbon Disulfide	4.115	76	1236692	11.108	ppbv	100
28) Methyl tert-Butyl Ether	4.574	73	945957	9.784	ppbv	100
29) Chloroform	5.266	83	1483850	10.799	ppbv	99
30) Cyclohexane	6.597	84	737715	10.798	ppbv	96
31) cis-1,2-Dichloroethene	5.073	61	795824	9.565	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	1483281	10.621	ppbv	100
34) 2-Butanone	4.777	43	1146290	10.143	ppbv	99
35) Carbon Tetrachloride	6.487	117	1554176	11.505	ppbv	99
36) Benzene	6.365	78	1842036	10.418	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1145467	10.079	ppbv	100
38) Trichloroethene	7.288	130	1100729	10.969	ppbv	98
39) 1,2-Dichloropropane	7.069	63	701252	10.140	ppbv	97
40) 1,4-Dioxane	7.282	88	262223	9.554	ppbv #	1
41) Tetrahydrofuran	5.549	42	694503	10.647	ppbv	99
42) Bromodichloromethane	7.243	83	1633560	10.645	ppbv	98
43) Methyl Methacrylate	7.471	69	732825	11.295	ppbv	99
44) 2,2,4-Trimethylpentane	7.323	57	3059186	10.404	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	704156	12.171	ppbv	99

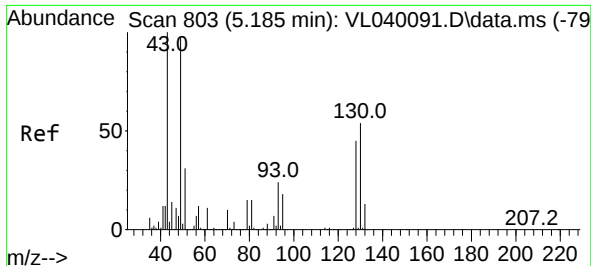
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040143.D
 Acq On : 6 Feb 2023 12:46
 Operator : SY/MD
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 Misc : 400mL/MSVOA_L
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Instrument :
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Quant Time: Feb 07 05:54:12 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 : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	954550	12.074	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	743142	10.206	ppbv	98
48) Dibromochloromethane	9.709	129	1268405	10.839	ppbv	100
49) Bromoform	12.410	173	972279	10.785	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	1858993	10.458	ppbv	99
51) 2-Hexanone	9.552	43	1435495	10.659	ppbv	98
52) Tetrachloroethene	10.616	164	606427	10.485	ppbv	96
53) Toluene	9.217	91	2048683	10.864	ppbv	100
54) 1,2-Dibromoethane	10.008	107	846550	11.105	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	905005	9.943	ppbv	97
57) Chlorobenzene	11.529	112	1545380	9.695	ppbv	98
58) Ethyl Benzene	12.088	91	2762705	10.586	ppbv	100
59) m/p-Xylene	12.371	91	2656422	11.321	ppbv #	46
60) o-Xylene	13.063	91	2262119	10.157	ppbv	99
61) Styrene	12.902	104	1285804	11.079	ppbv	99
62) Isopropylbenzene	14.034	105	3150086	9.833	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	734149	9.078	ppbv	99
64) n-propylbenzene	14.921	120	806865	10.132	ppbv	99
65) tert-Butylbenzene	16.095	119	2795503	10.193	ppbv	100
66) Benzyl Chloride	16.333	91	183442	9.787	ppbv #	97
67) sec-Butylbenzene	16.641	105	4003839	10.297	ppbv	100
69) p-Isopropyltoluene	16.998	119	3214135	10.519	ppbv	99
70) n-Butylbenzene	17.892	91	3522185	10.689	ppbv	99
71) 2-Chlorotoluene	14.802	91	2463239	9.998	ppbv	100
72) 4-Ethyltoluene	15.198	105	2562116	10.367	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2285601	10.271	ppbv	100
74) 1,2,4-Trimethylbenzene	16.114	105	2506625	10.169	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	1389669	10.151	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1369954	10.177	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1382013	10.556	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	919541	9.589	ppbv	99
79) Naphthalene	21.387	128	1856508	13.147	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	314895	6.618	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	976675	11.222	ppbv	99

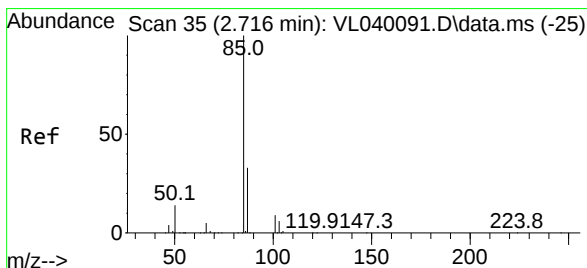
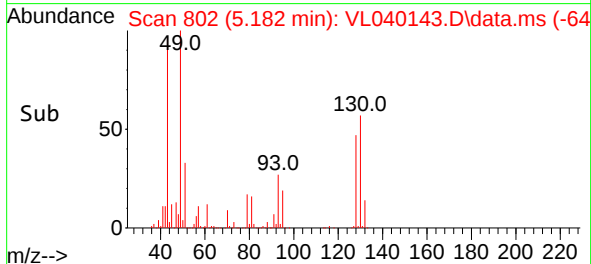
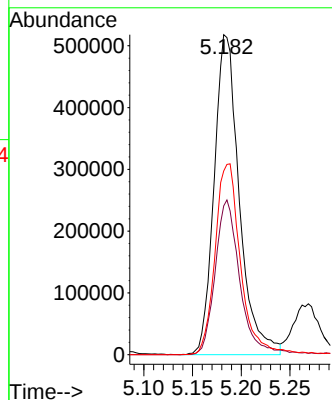
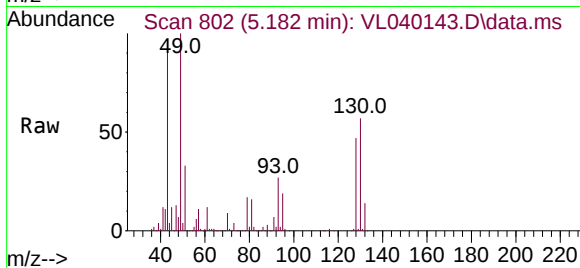
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

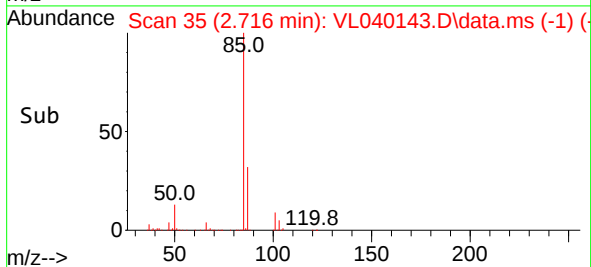
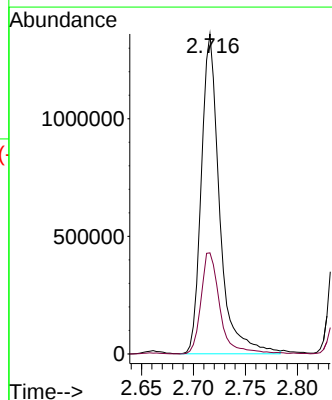
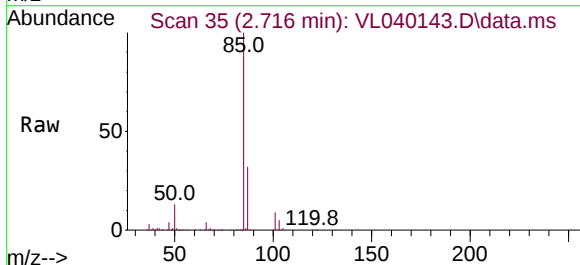
Instrument :
MSVOA_L
ClientSampleId :

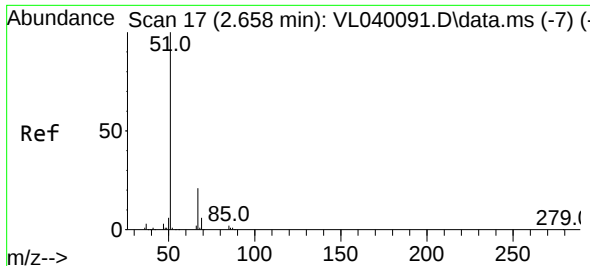
Tgt Ion: 49 Resp: 929440
Ion Ratio Lower Upper
49 100
128 48.5 23.6 71.0
130 61.7 29.8 89.3



#2
Dichlorodifluoromethane
Concen: 10.227 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

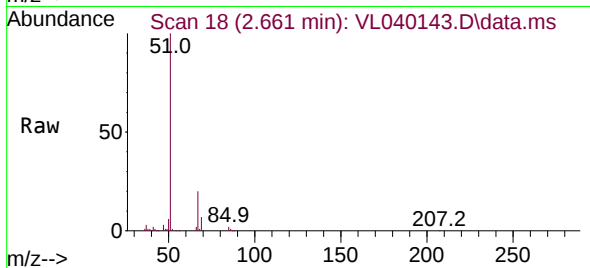
Tgt Ion: 85 Resp: 1666617
Ion Ratio Lower Upper
85 100
87 31.6 26.5 39.7



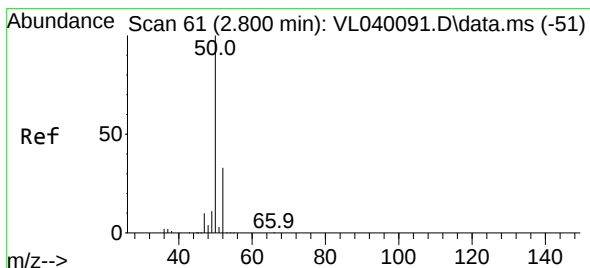
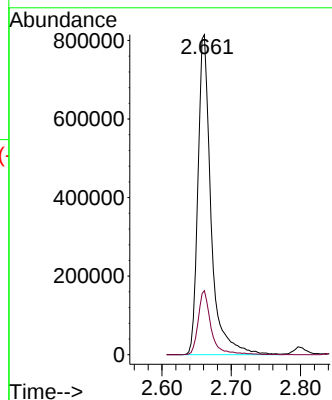
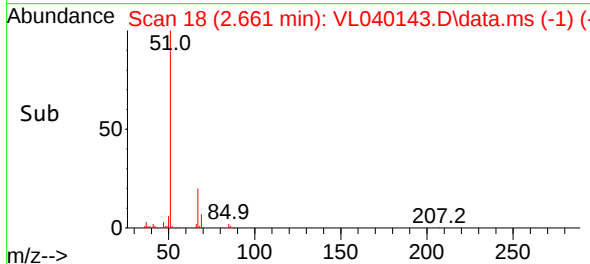


#3
Chlorodifluoromethane
Concen: 9.623 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :

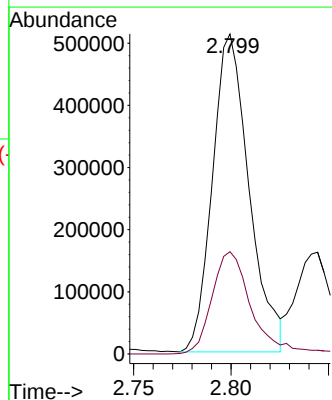
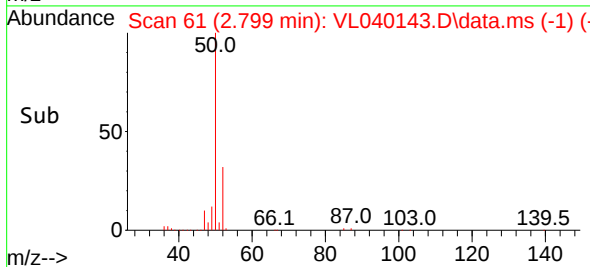
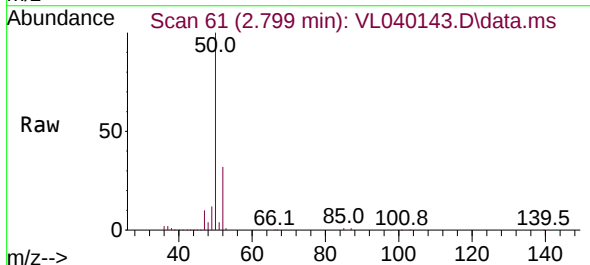


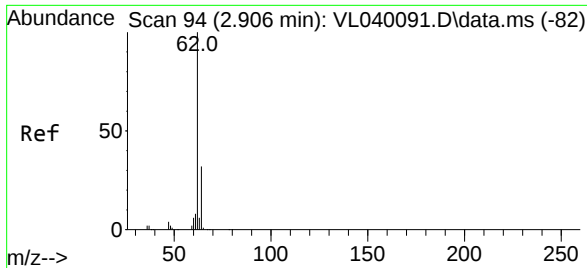
Tgt Ion: 51 Resp: 1072790
Ion Ratio Lower Upper
51 100
67 19.8 16.4 24.6



#4
Chloromethane
Concen: 9.706 ppbv
RT: 2.799 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 50 Resp: 668722
Ion Ratio Lower Upper
50 100
52 32.0 26.5 39.7

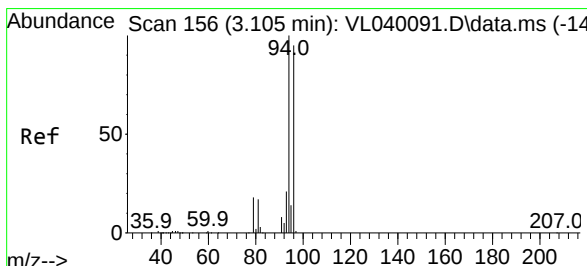
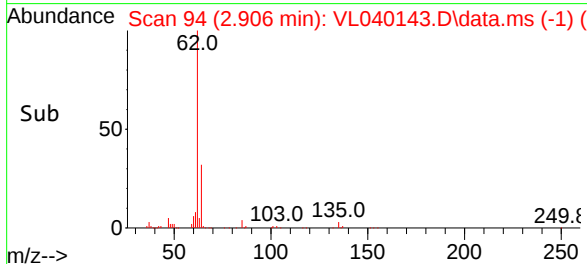
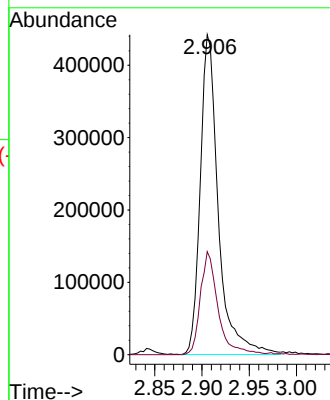
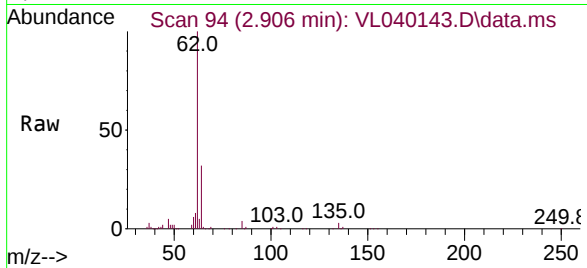




#5
 Vinyl Chloride
 Concen: 10.043 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.003 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

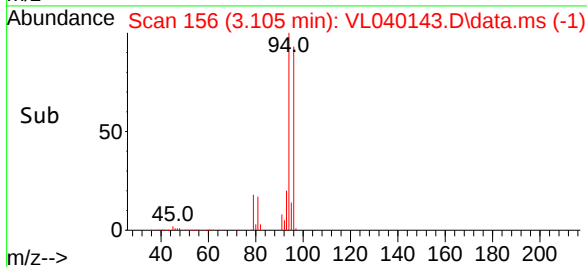
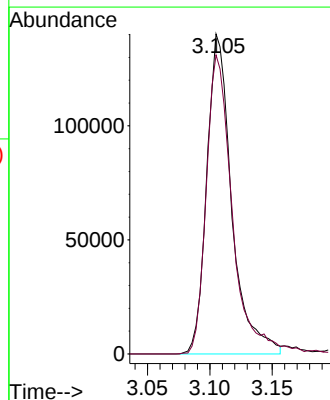
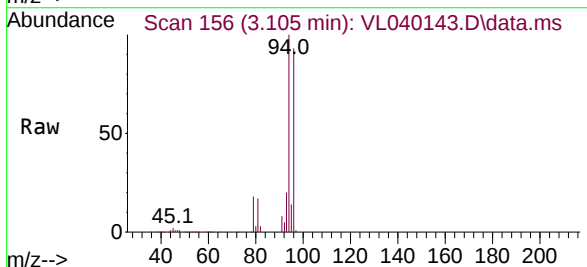
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 62 Resp: 586659
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.8 38.6



#6
 Bromomethane
 Concen: 9.183 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.003 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

Tgt Ion: 94 Resp: 195737
 Ion Ratio Lower Upper
 94 100
 96 93.3 76.2 114.2

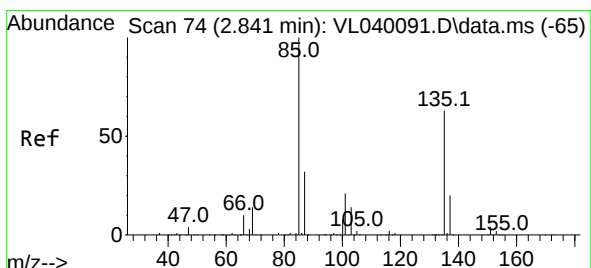
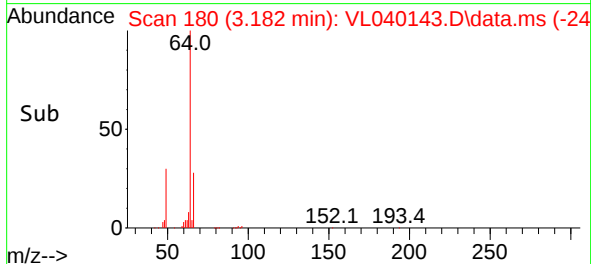
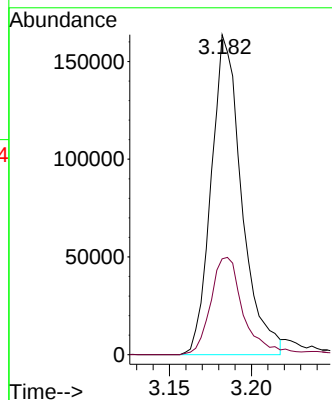
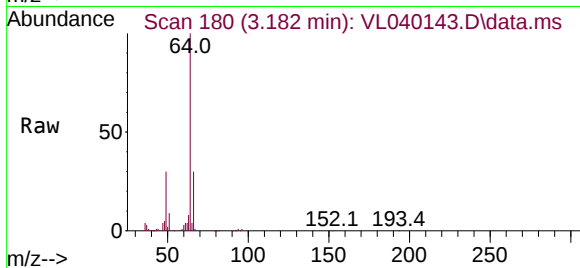




#7
Chloroethane
Concen: 9.459 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

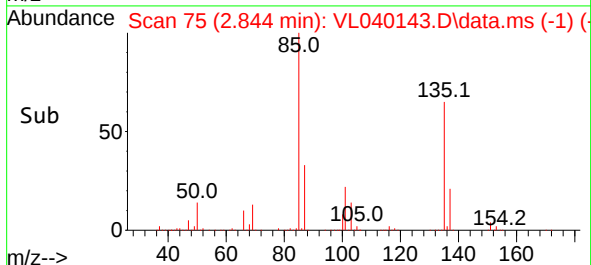
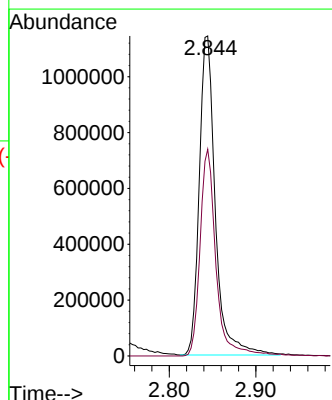
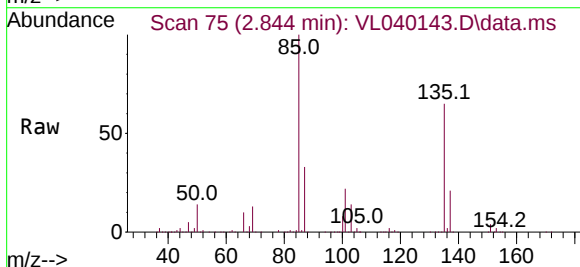
Instrument :
MSVOA_L
ClientSampleId :

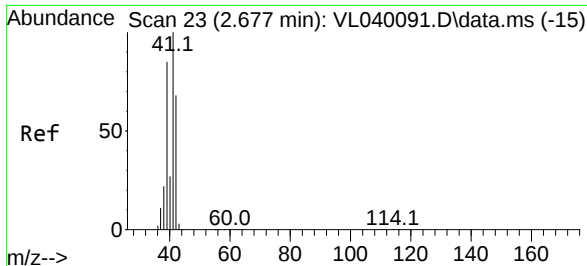
Tgt Ion: 64 Resp: 211195
Ion Ratio Lower Upper
64 100
66 30.0 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 9.689 ppbv
RT: 2.844 min Scan# 75
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 85 Resp: 1474017
Ion Ratio Lower Upper
85 100
135 64.4 51.4 77.2

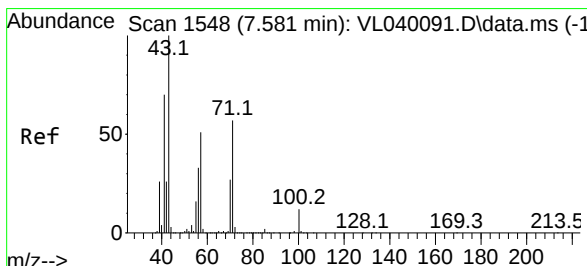
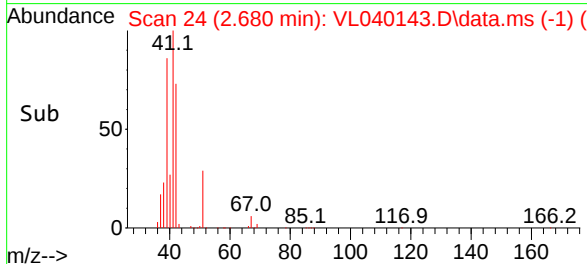
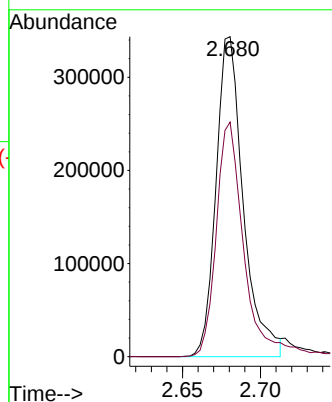
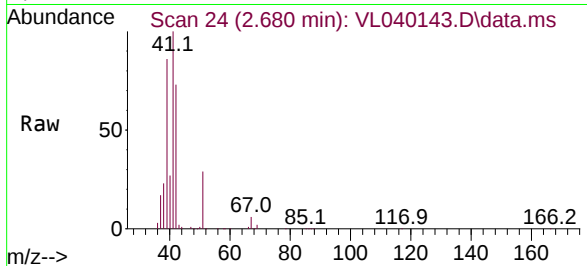




#9
 Propene
 Concen: 9.042 ppbv
 RT: 2.680 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

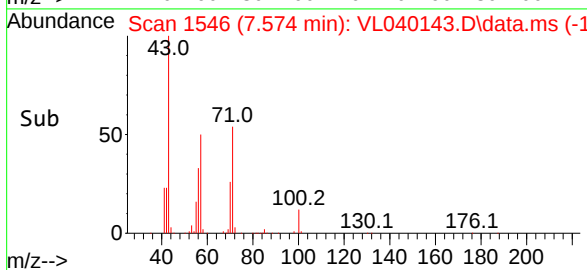
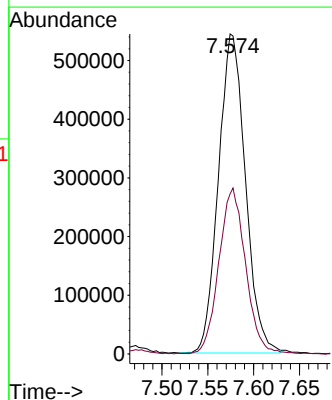
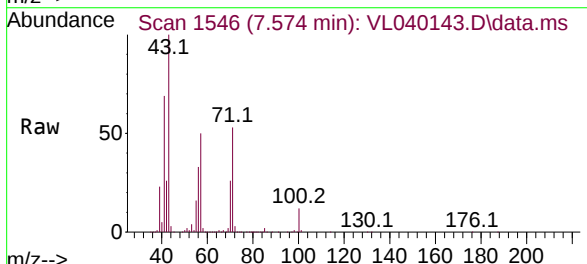
Instrument :
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 ClientSampleId :

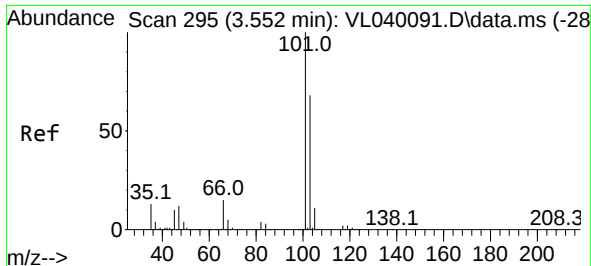
Tgt Ion: 41 Resp: 418795
 Ion Ratio Lower Upper
 41 100
 42 75.7 55.6 83.4



#10
 Heptane
 Concen: 10.417 ppbv
 RT: 7.574 min Scan# 1546
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

Tgt Ion: 43 Resp: 1112027
 Ion Ratio Lower Upper
 43 100
 57 51.5 40.9 61.3

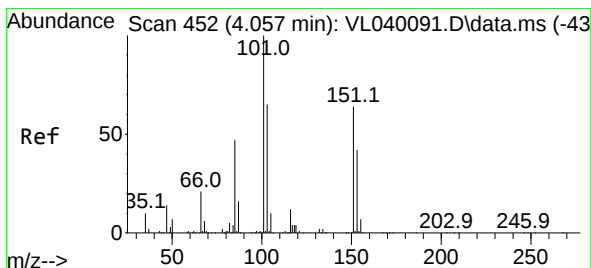
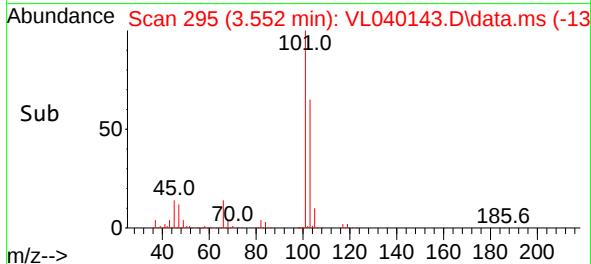
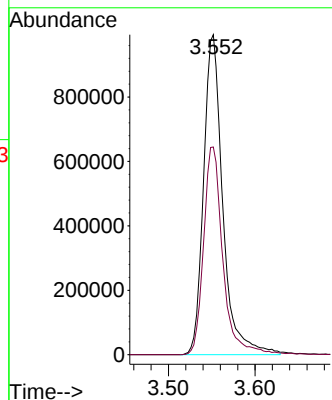
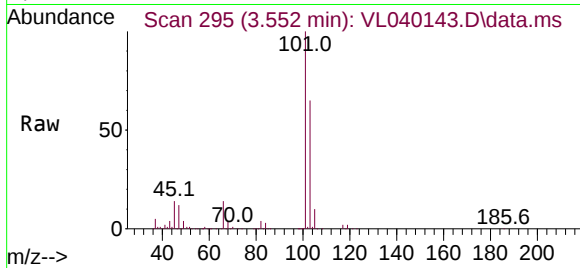




#11
 Trichlorofluoromethane
 Concen: 9.408 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

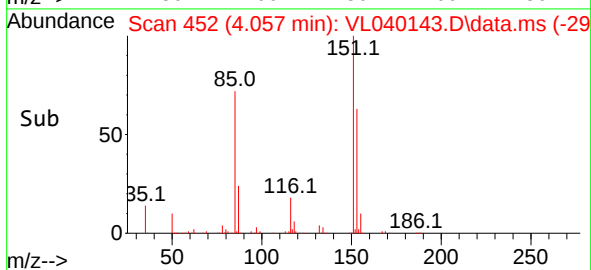
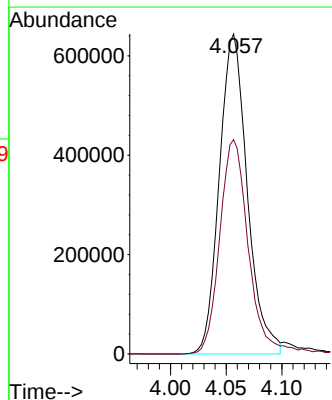
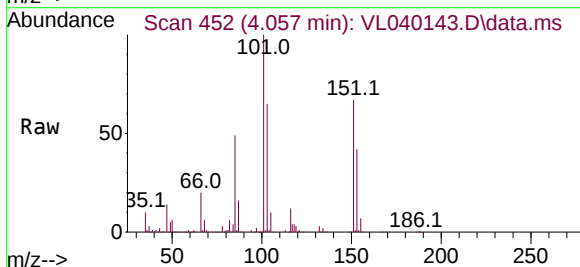
Instrument :
 MSVOA_L
 ClientSampleId :

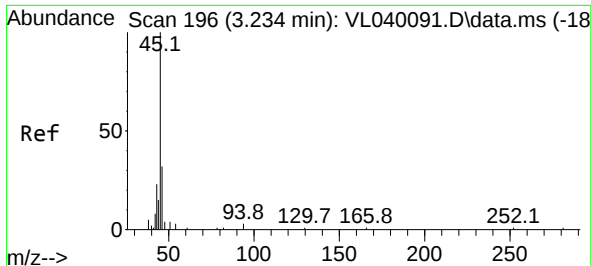
Tgt Ion:101 Resp: 1530124
 Ion Ratio Lower Upper
 101 100
 103 64.9 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.196 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.010 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

Tgt Ion:101 Resp: 1124399
 Ion Ratio Lower Upper
 101 100
 151 69.6 53.2 79.8

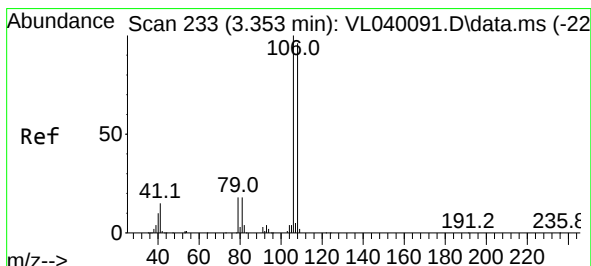
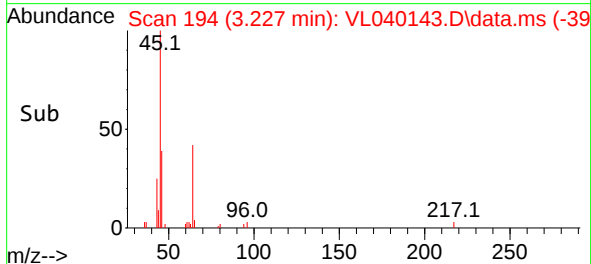
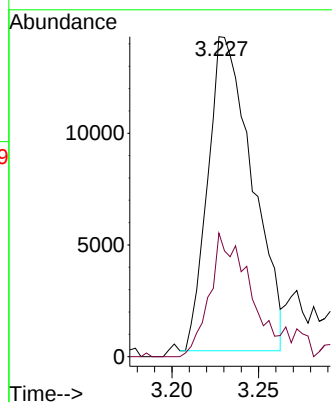
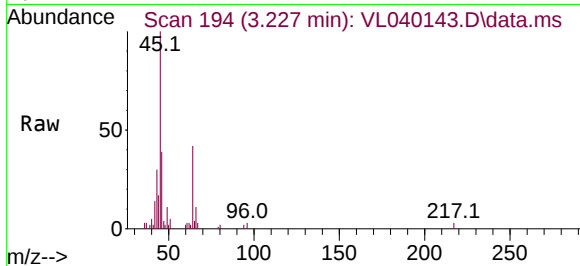




#13
Ethanol
Concen: 5.903 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.000 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

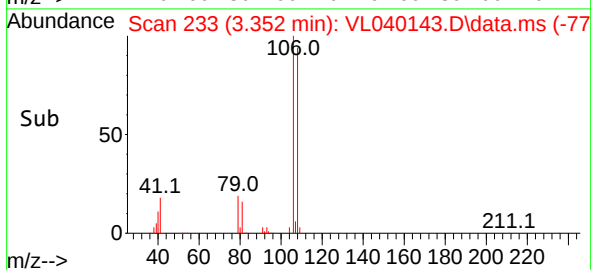
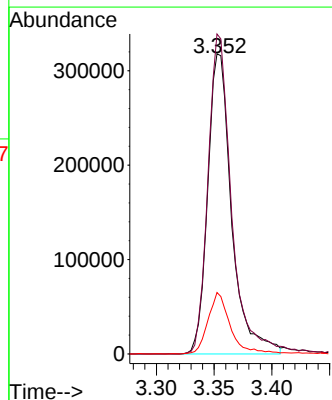
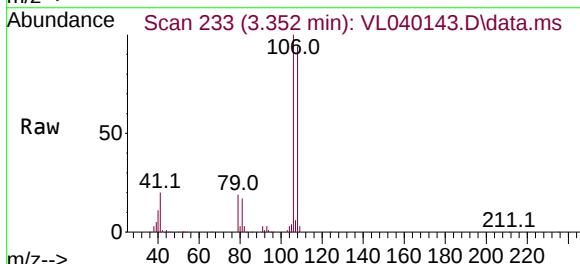
Instrument :
MSVOA_L
ClientSampleId :

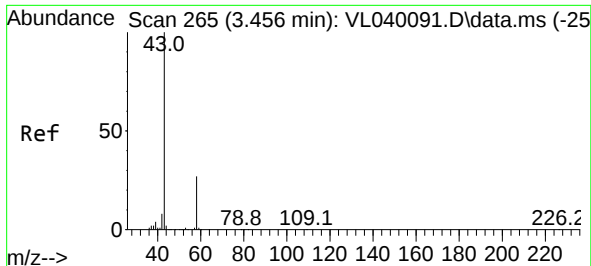
Tgt Ion: 45 Resp: 25164
Ion Ratio Lower Upper
45 100
46 41.5 14.8 59.2



#14
Bromoethene
Concen: 10.104 ppbv
RT: 3.352 min Scan# 233
Delta R.T. 0.003 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 108 Resp: 458593
Ion Ratio Lower Upper
108 100
106 106.9 87.0 130.6
79 19.6 16.1 24.1

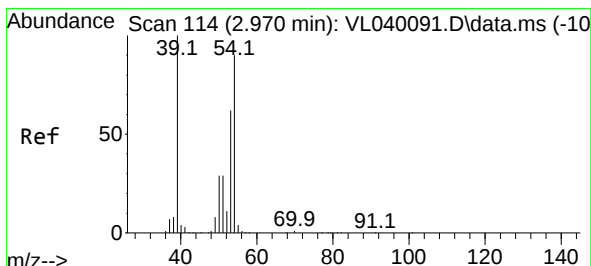
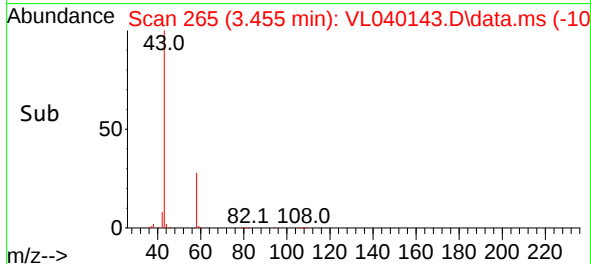
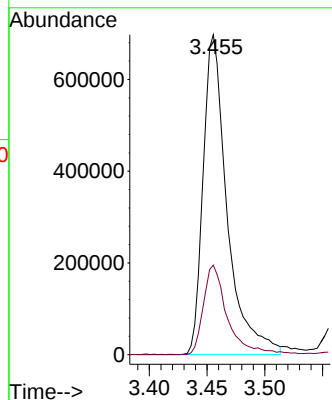
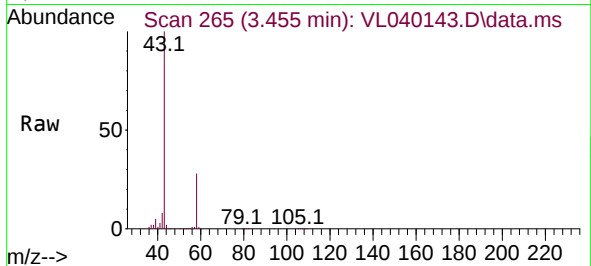




#15
Acetone
Concen: 9.058 ppbv
RT: 3.455 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

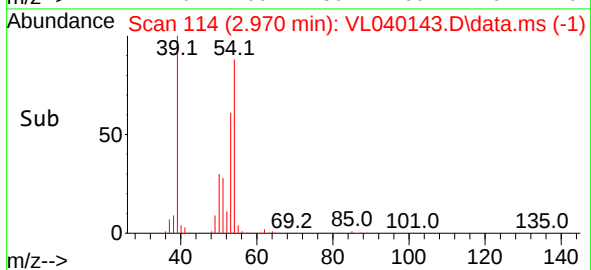
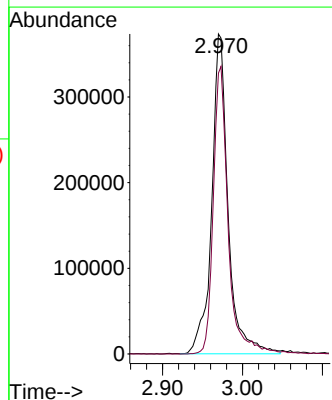
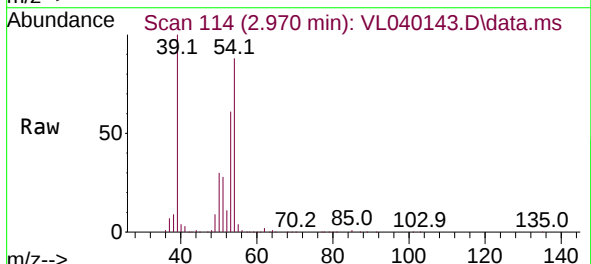
Instrument :
MSVOA_L
ClientSampleId :

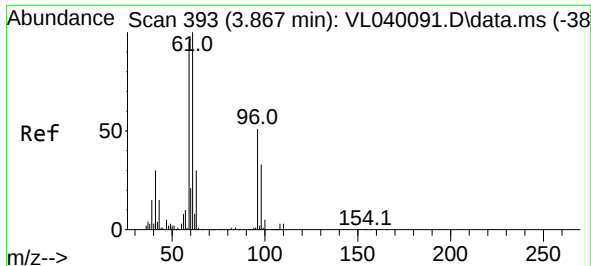
Tgt Ion: 43 Resp: 1009690
Ion Ratio Lower Upper
43 100
58 28.0 21.8 32.8



#16
1,3-Butadiene
Concen: 10.237 ppbv
RT: 2.970 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 39 Resp: 532023
Ion Ratio Lower Upper
39 100
54 82.0 67.9 101.9





#17

tert-Butyl alcohol

Concen: 9.893 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

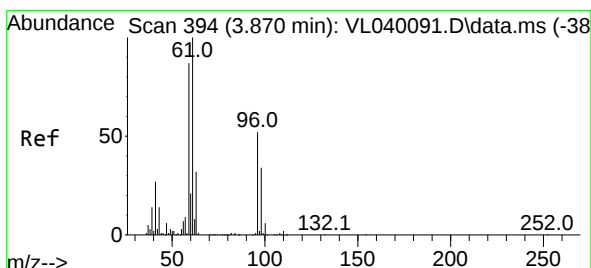
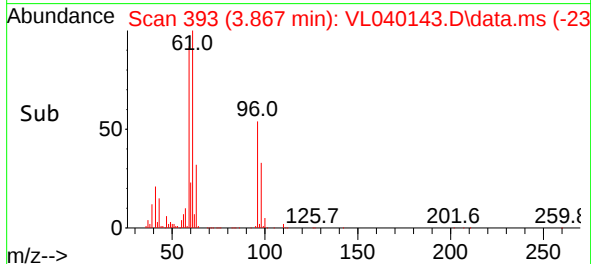
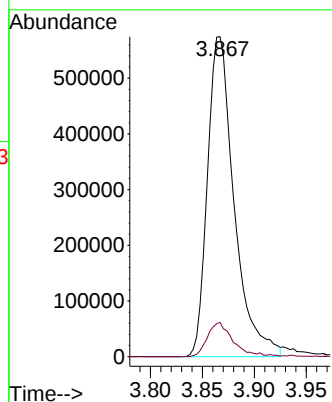
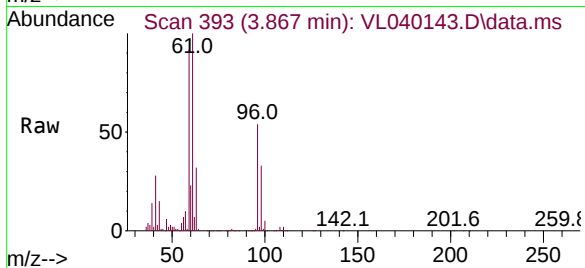
ClientSampleId :

Tgt Ion: 59 Resp: 1026856

Ion Ratio Lower Upper

59 100

57 10.7 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.611 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.003 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

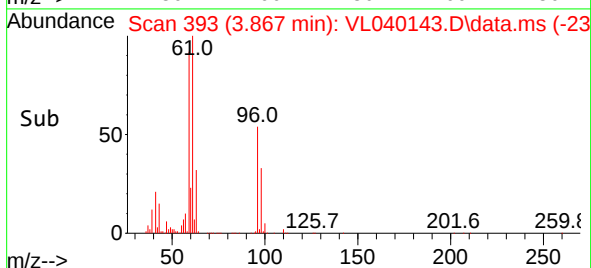
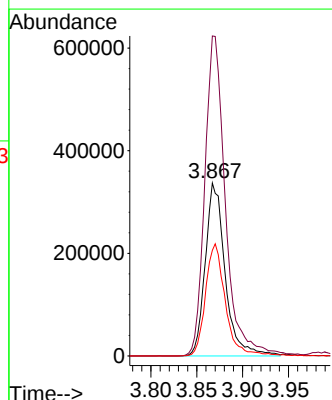
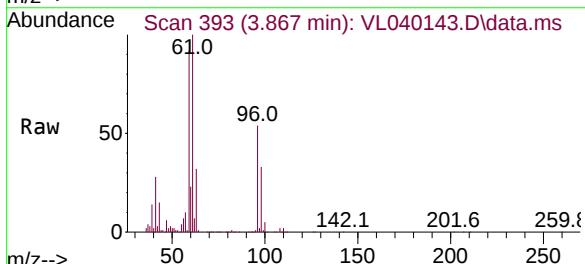
Tgt Ion: 96 Resp: 510542

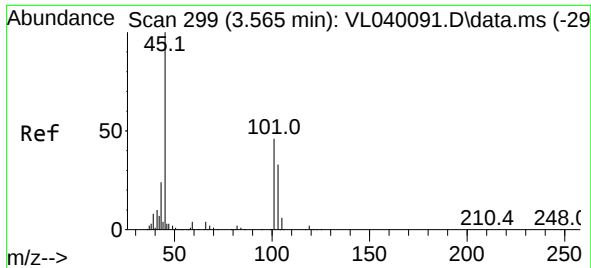
Ion Ratio Lower Upper

96 100

61 184.8 153.0 229.4

98 61.1 52.7 79.1

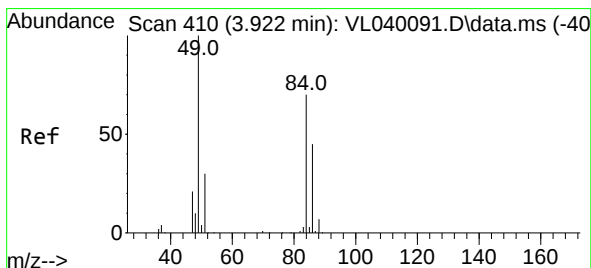
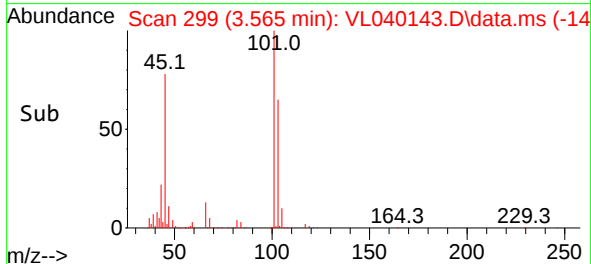
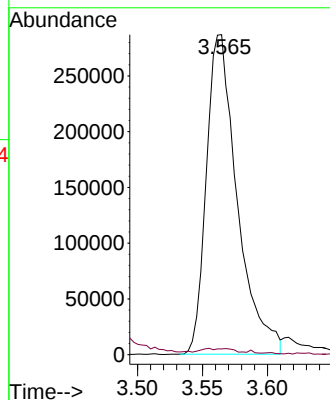
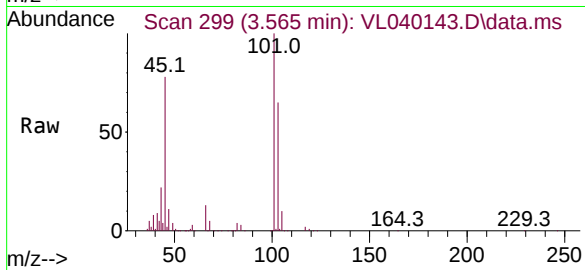




#19
Isopropyl Alcohol
Concen: 8.697 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

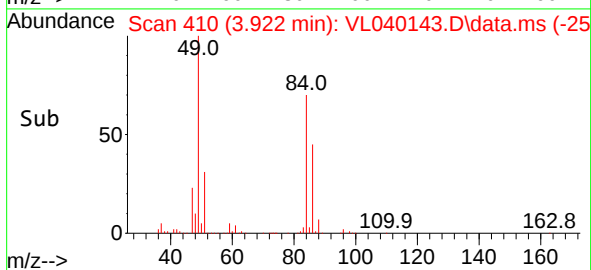
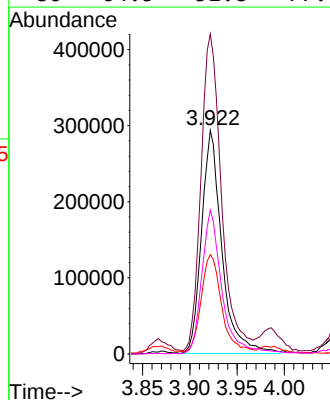
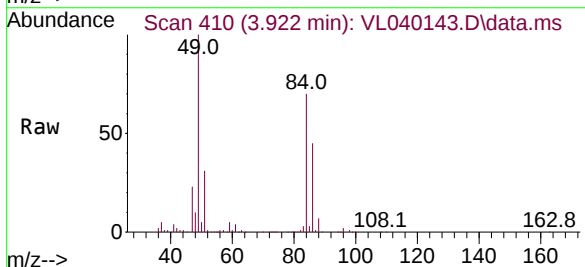
Instrument :
MSVOA_L
ClientSampleId :

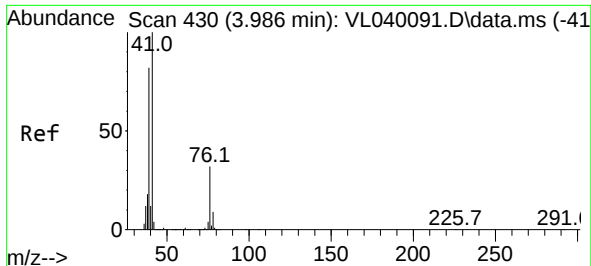
Tgt Ion: 45 Resp: 474323
Ion Ratio Lower Upper
45 100
58 2.4 2.6 4.0#



#20
Methylene Chloride
Concen: 8.907 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 84 Resp: 438024
Ion Ratio Lower Upper
84 100
49 141.8 114.6 171.8
51 43.2 34.3 51.5
86 64.5 51.8 77.8

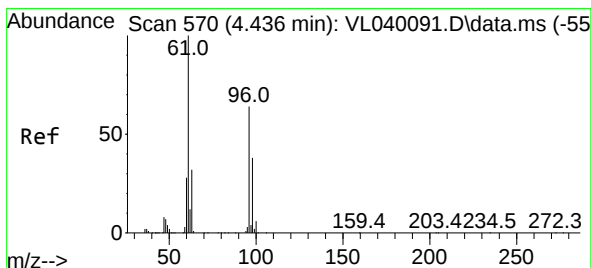
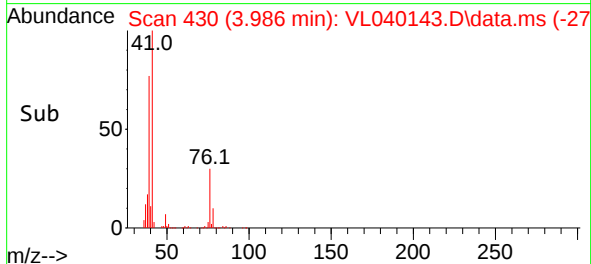
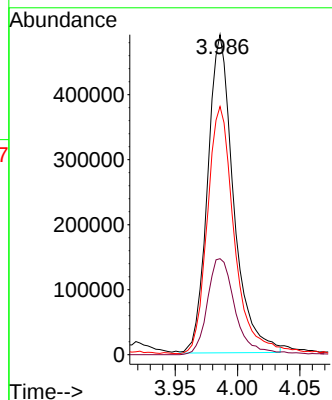
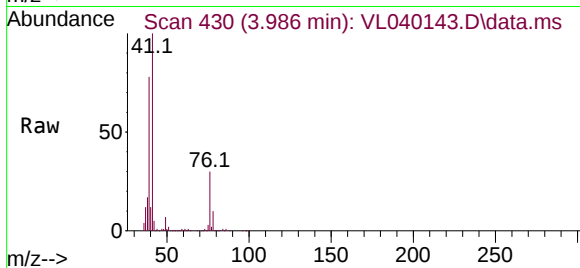




#21
 Allyl Chloride
 Concen: 9.923 ppbv
 RT: 3.986 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

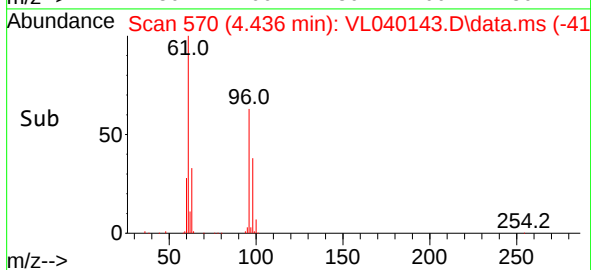
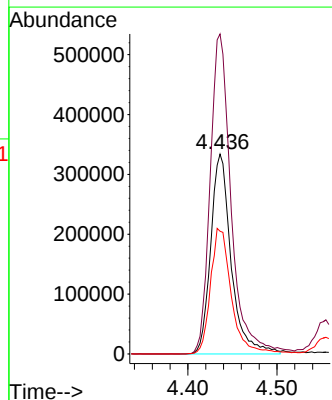
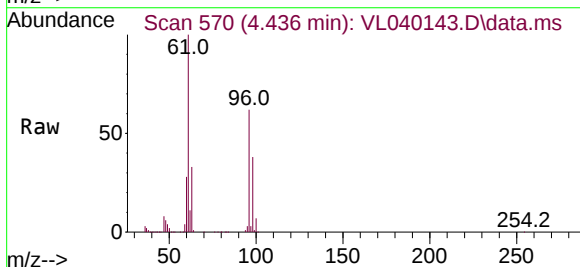
Instrument :
 MSVOA_L
 ClientSampleId :

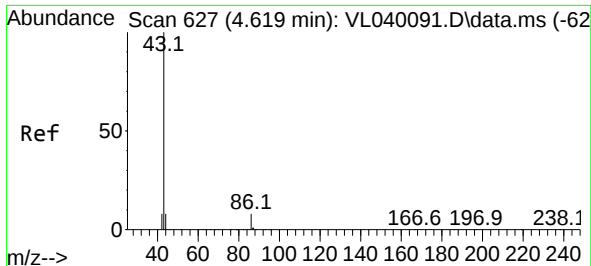
Tgt Ion: 41 Resp: 710197
 Ion Ratio Lower Upper
 41 100
 76 32.7 25.9 38.9
 39 82.0 66.8 100.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.827 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

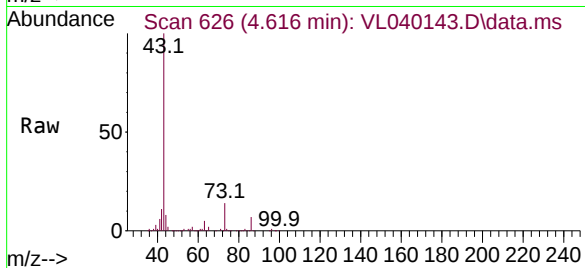
Tgt Ion: 96 Resp: 533413
 Ion Ratio Lower Upper
 96 100
 61 160.1 125.8 188.8
 98 61.4 47.4 71.2



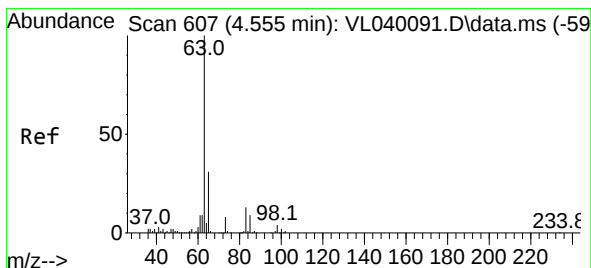
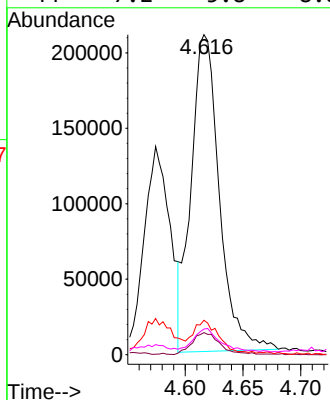
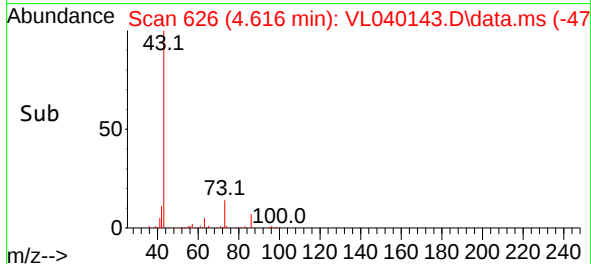


#23
 Vinyl Acetate
 Concen: 9.886 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

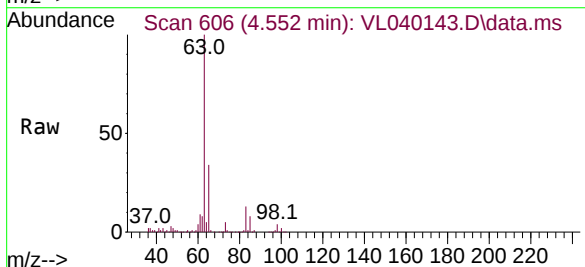
Instrument :
 MSVOA_L
 ClientSampleId :



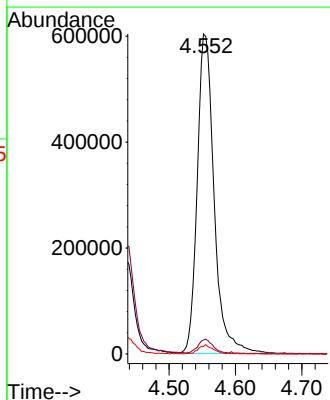
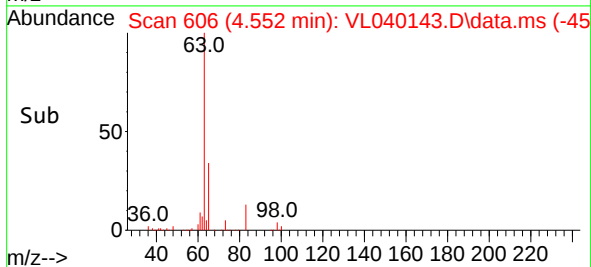
Tgt Ion: 43 Resp: 357226
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.6 8.4
 42 10.2 7.7 11.5
 44 7.2 5.8 8.8

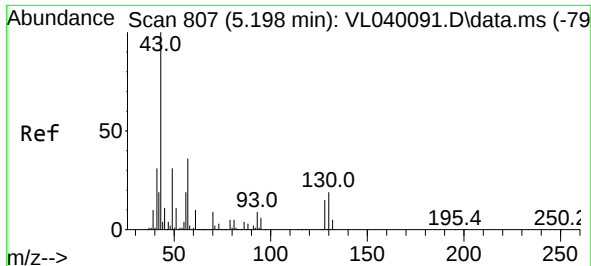


#24
 1,1-Dichloroethane
 Concen: 9.774 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46



Tgt Ion: 63 Resp: 1069462
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.0 5.8
 100 2.4 1.1 3.5





#25

Ethyl Acetate

Concen: 10.358 ppbv

RT: 5.195 min Scan# 806

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 2034084

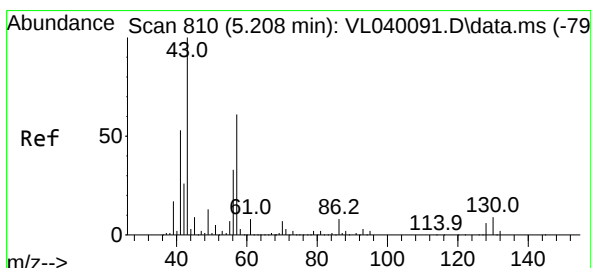
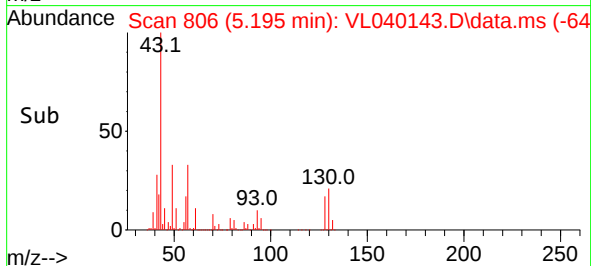
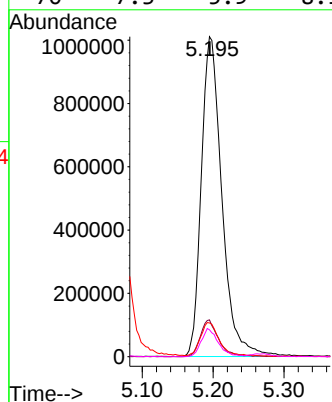
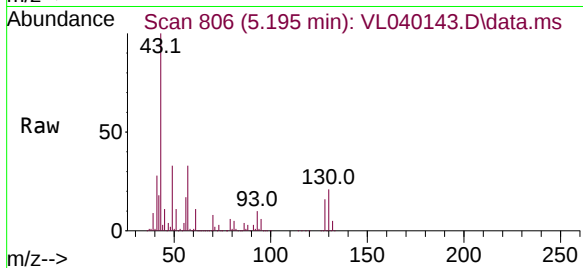
Ion Ratio Lower Upper

43 100

45 10.4 8.5 12.7

61 10.0 8.4 12.6

70 7.3 5.9 8.9



#26

Hexane

Concen: 10.149 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Tgt Ion: 57 Resp: 872190

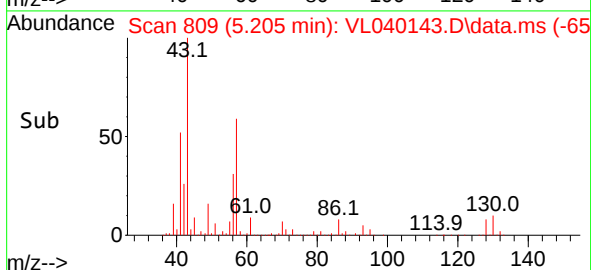
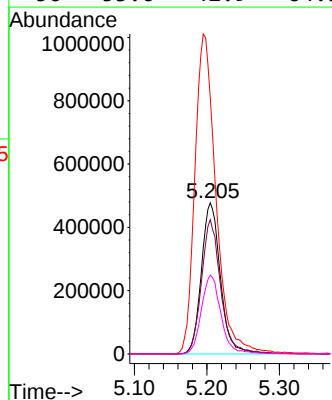
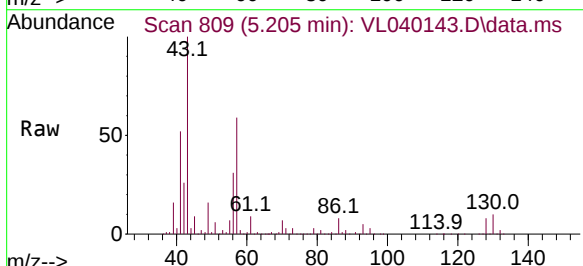
Ion Ratio Lower Upper

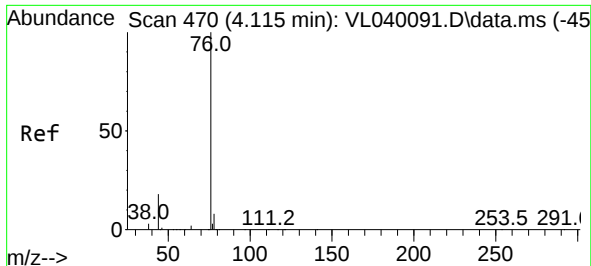
57 100

41 90.3 72.2 108.4

43 234.6 192.1 288.1

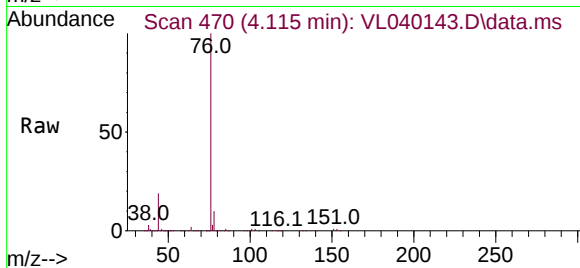
56 53.6 42.9 64.3





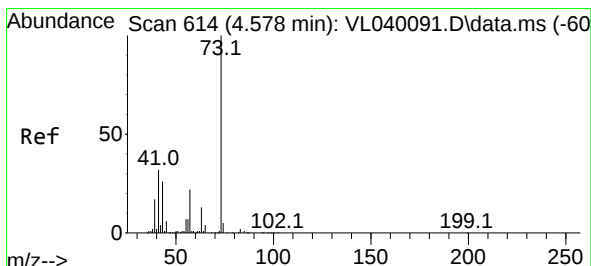
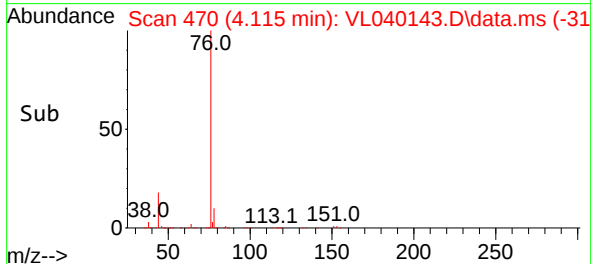
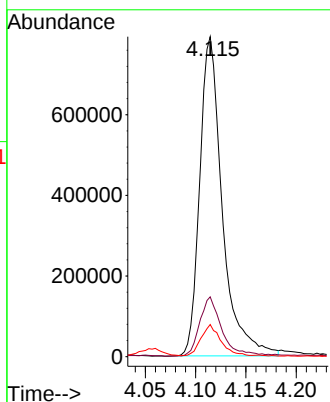
#27
Carbon Disulfide
Concen: 11.108 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 76 Resp: 1236692

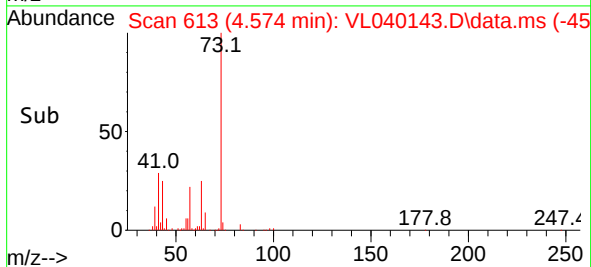
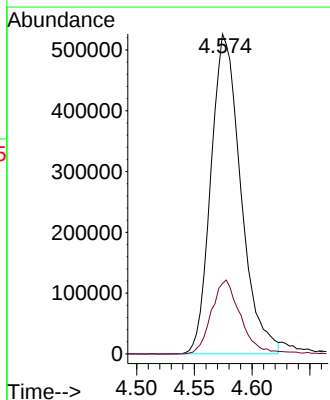
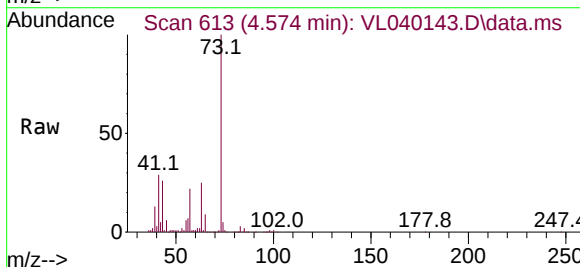
Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.9	22.3
78	9.9	8.2	12.2

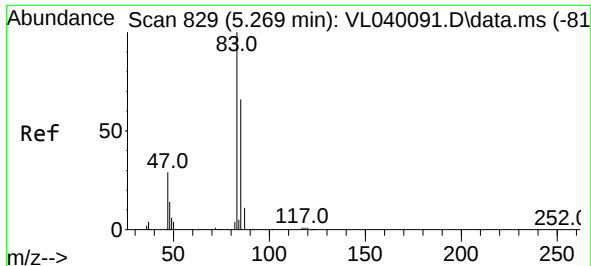


#28
Methyl tert-Butyl Ether
Concen: 9.784 ppbv
RT: 4.574 min Scan# 613
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 73 Resp: 945957

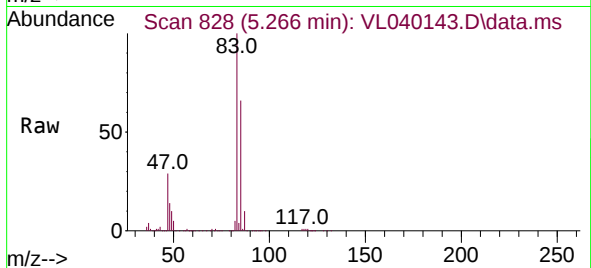
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.3	27.5



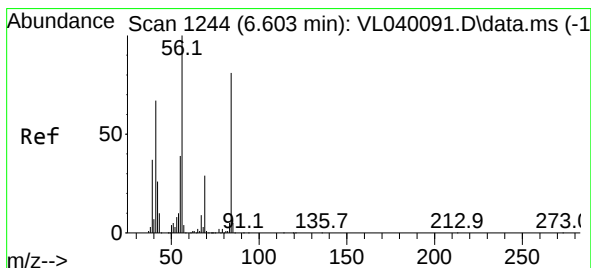
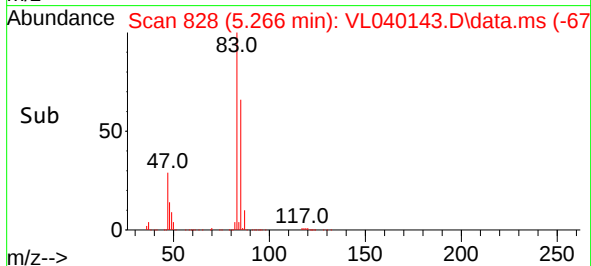
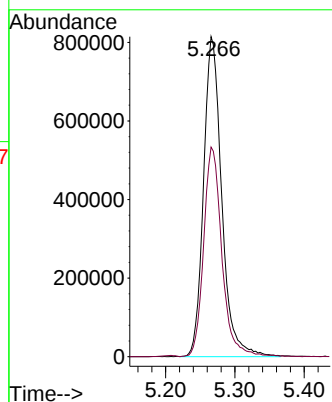


#29
Chloroform
Concen: 10.799 ppbv
RT: 5.266 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :

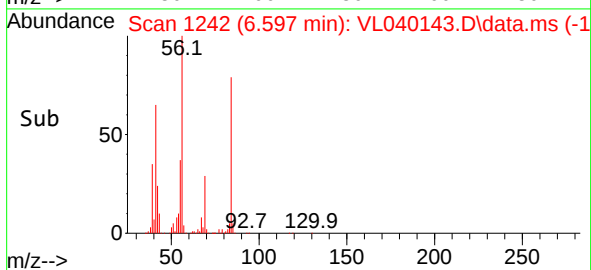
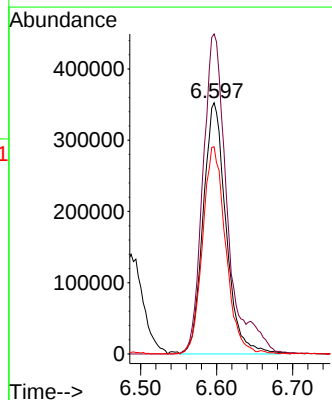
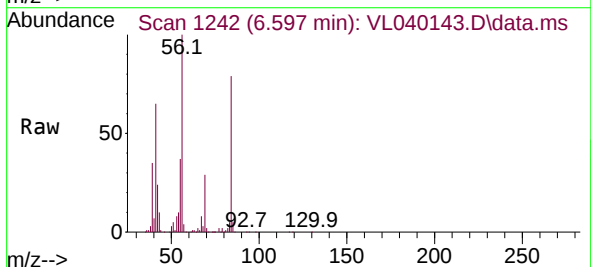


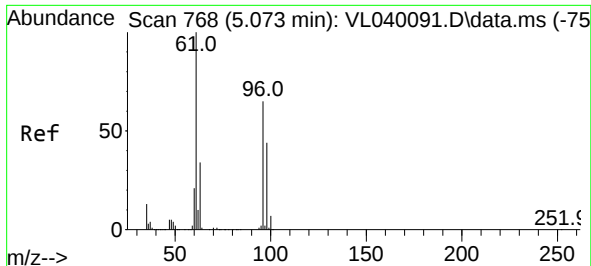
Tgt Ion: 83 Resp: 1483850
Ion Ratio Lower Upper
83 100
85 65.5 53.1 79.7



#30
Cyclohexane
Concen: 10.798 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 84 Resp: 737715
Ion Ratio Lower Upper
84 100
56 136.1 111.5 167.3
41 82.9 71.4 107.0

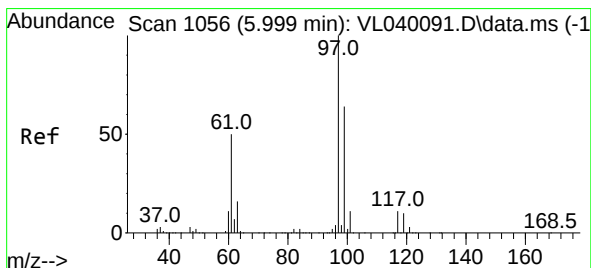
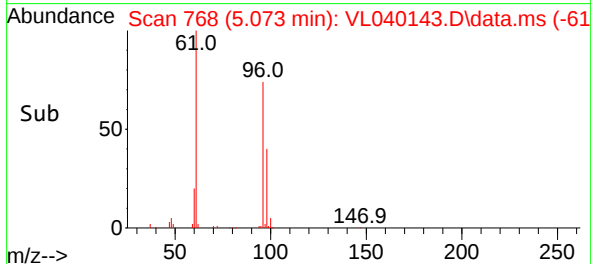
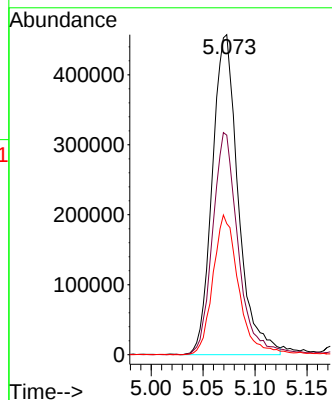
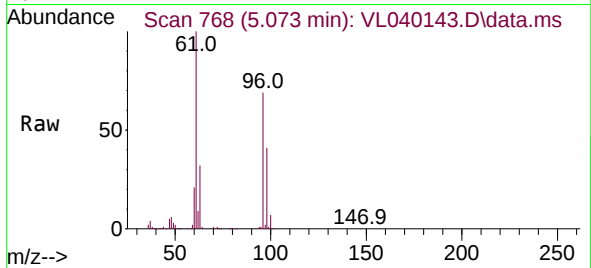




#31
 cis-1,2-Dichloroethene
 Concen: 9.565 ppbv
 RT: 5.073 min Scan# 768
 Delta R.T. 0.010 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

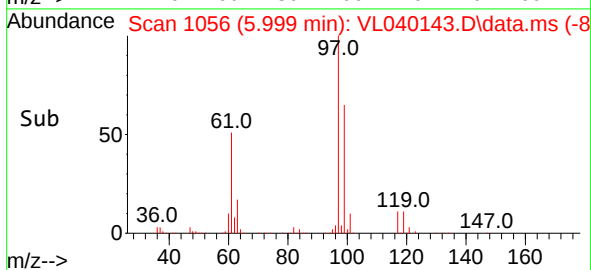
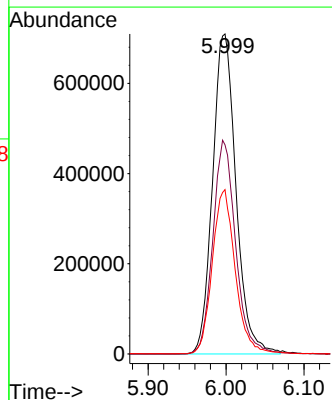
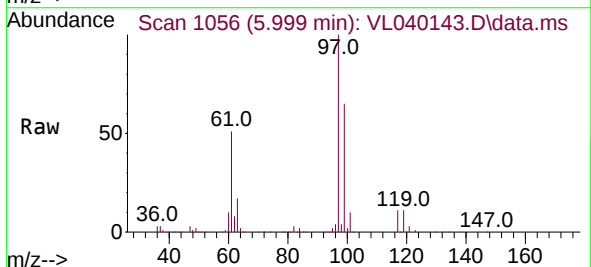
Instrument :
 MSVOA_L
 ClientSampleId :

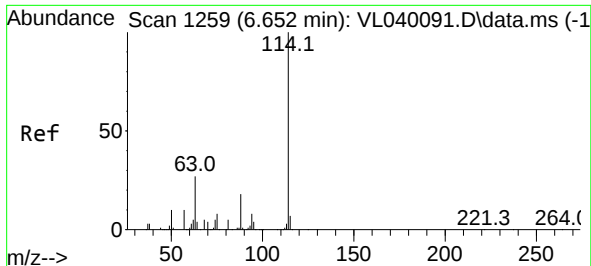
Tgt Ion: 61 Resp: 795824
 Ion Ratio Lower Upper
 61 100
 96 68.6 52.0 78.0
 98 41.0 35.3 52.9



#32
 1,1,1-Trichloroethane
 Concen: 10.621 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.010 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

Tgt Ion: 97 Resp: 1483281
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 50.7 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1

Delta R.T. 0.006 min

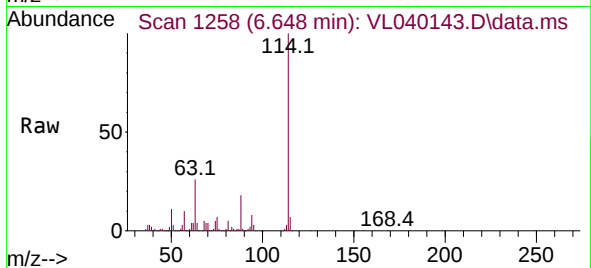
Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :



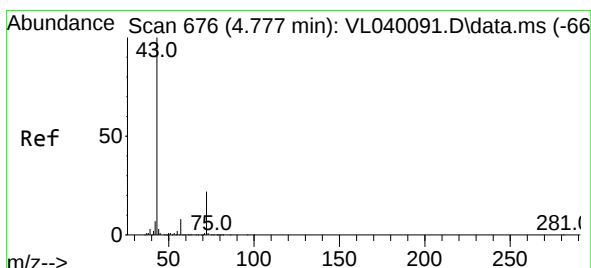
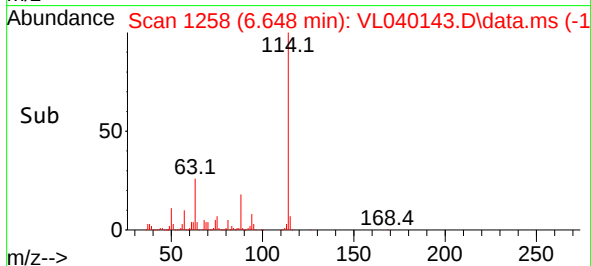
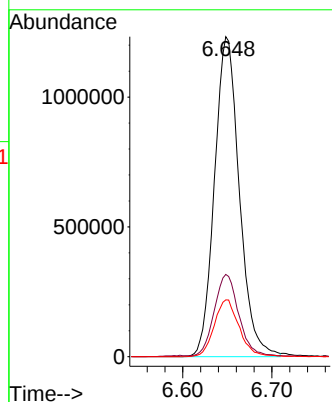
Tgt Ion:114 Resp: 2389209

Ion Ratio Lower Upper

114 100

63 26.2 21.8 32.8

88 17.9 14.8 22.2



#34

2-Butanone

Concen: 10.143 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.006 min

Lab File: VL040143.D

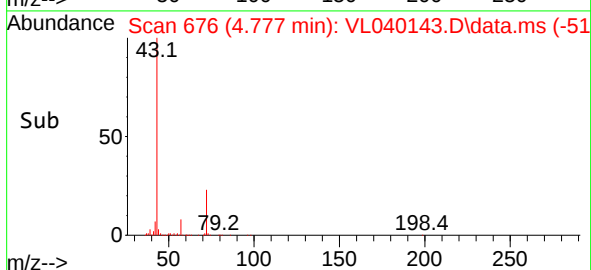
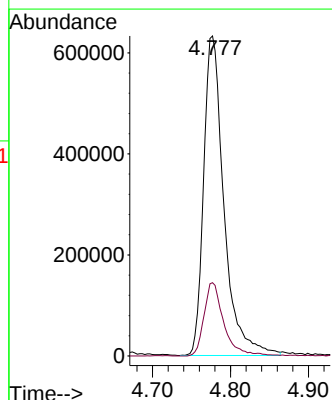
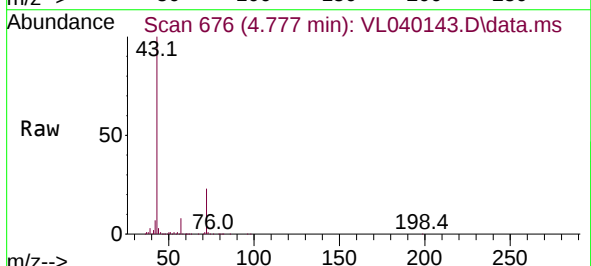
Acq: 6 Feb 2023 12:46

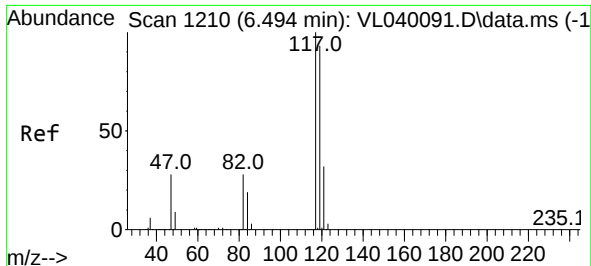
Tgt Ion: 43 Resp: 1146290

Ion Ratio Lower Upper

43 100

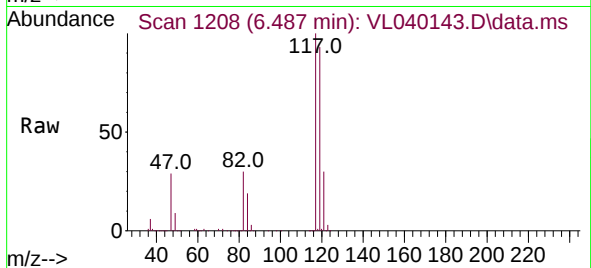
72 22.5 18.4 27.6





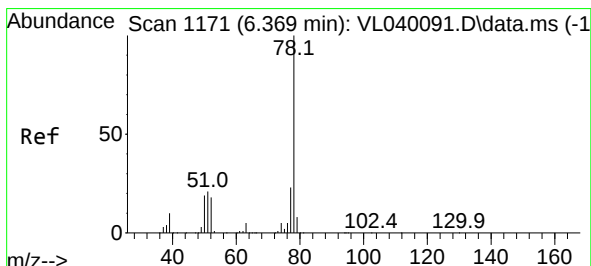
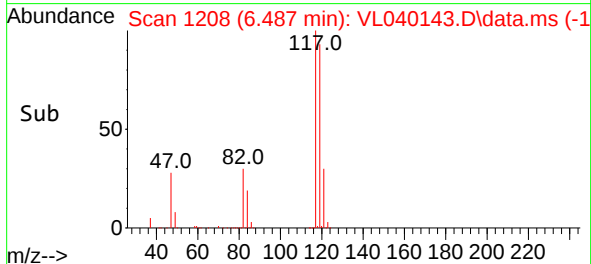
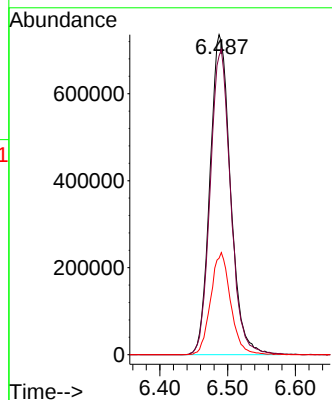
#35
Carbon Tetrachloride
Concen: 11.505 ppbv
RT: 6.487 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 1554176

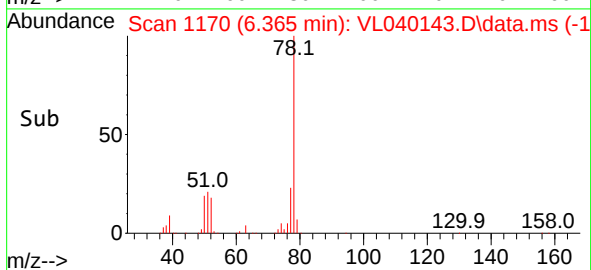
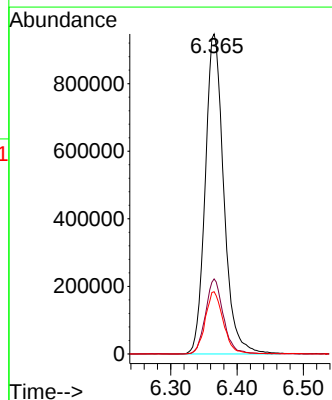
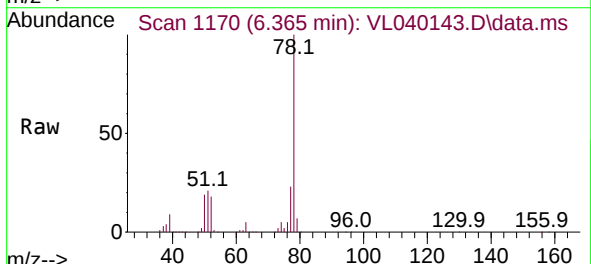
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.5	111.7
121	30.2	25.4	38.0

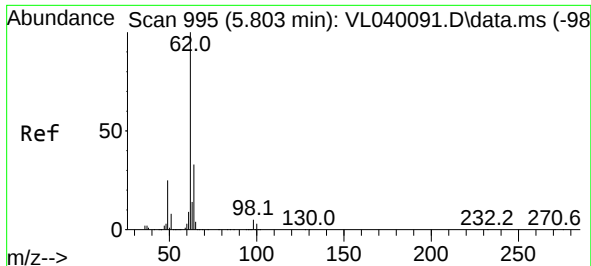


#36
Benzene
Concen: 10.418 ppbv
RT: 6.365 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 78 Resp: 1842036

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.1	27.1
50	19.4	15.6	23.4

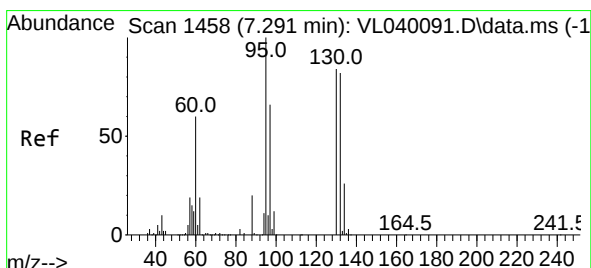
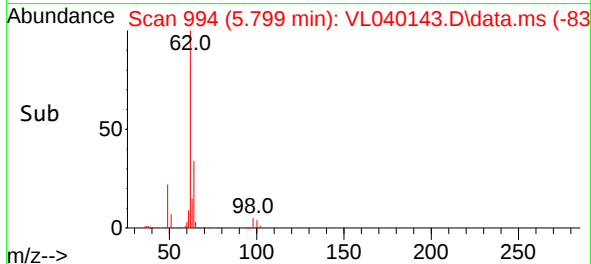
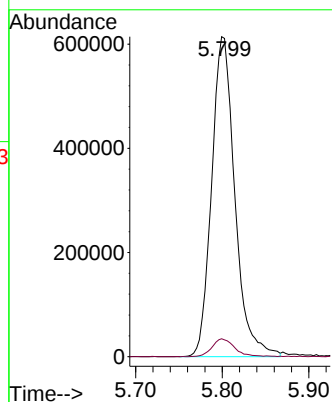
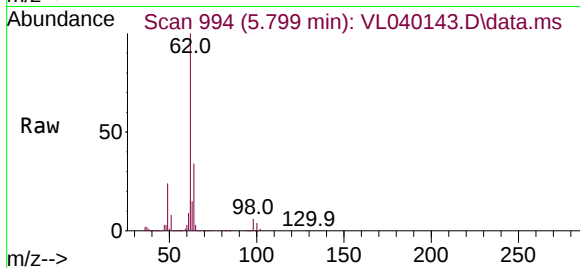




#37
1,2-Dichloroethane
Concen: 10.079 ppbv
RT: 5.799 min Scan# 994
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

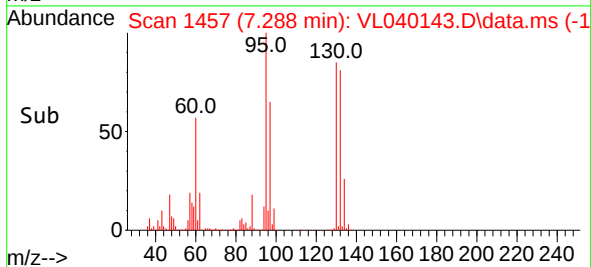
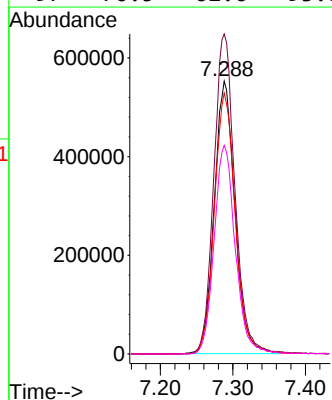
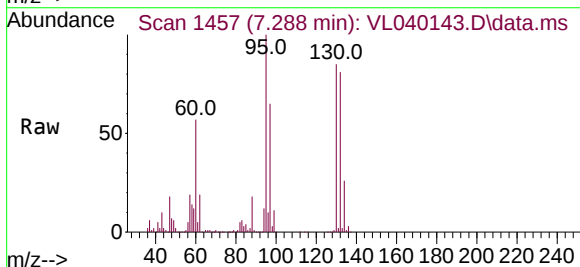
Instrument :
MSVOA_L
ClientSampleId :

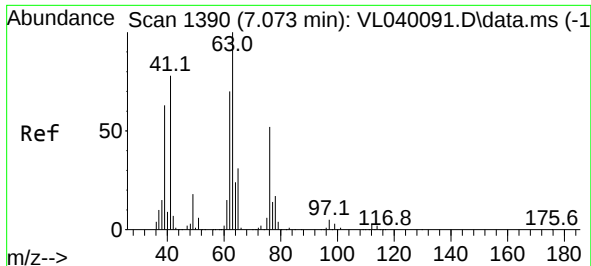
Tgt Ion: 62 Resp: 1145467
Ion Ratio Lower Upper
62 100
98 5.6 4.4 6.6



#38
Trichloroethene
Concen: 10.969 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion:130 Resp: 1100729
Ion Ratio Lower Upper
130 100
95 117.4 95.0 142.6
132 95.7 77.9 116.9
97 76.5 62.6 93.8





#39

1,2-Dichloropropane

Concen: 10.140 ppbv

RT: 7.069 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

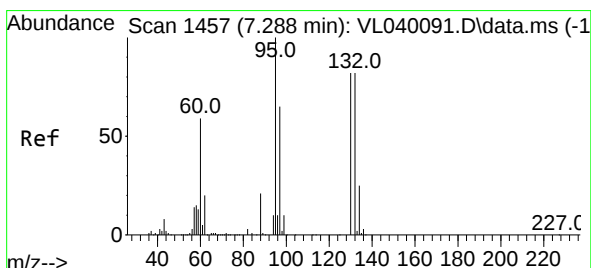
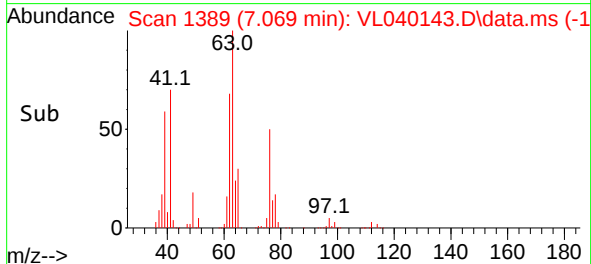
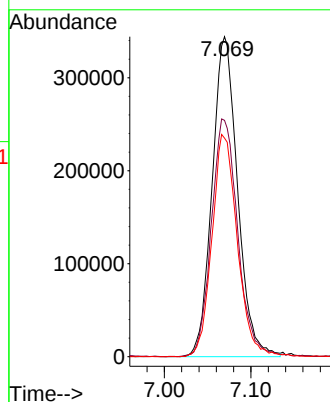
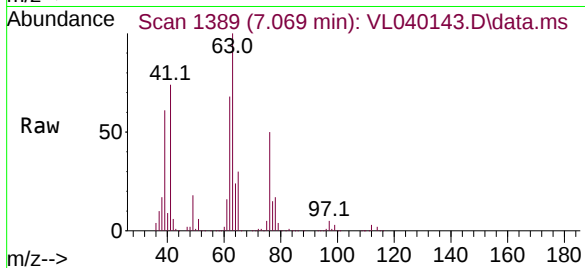
Tgt Ion: 63 Resp: 701252

Ion Ratio Lower Upper

63 100

41 73.7 62.2 93.4

62 68.3 55.8 83.8



#40

1,4-Dioxane

Concen: 9.554 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Tgt Ion: 88 Resp: 262223

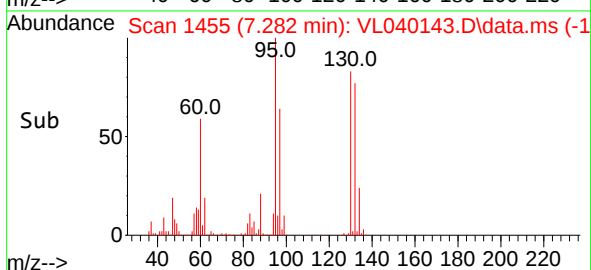
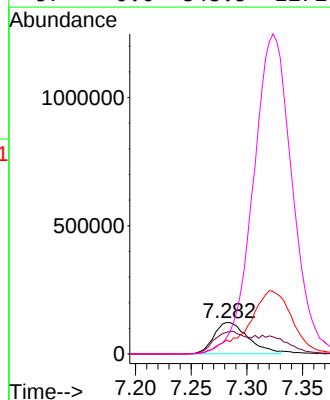
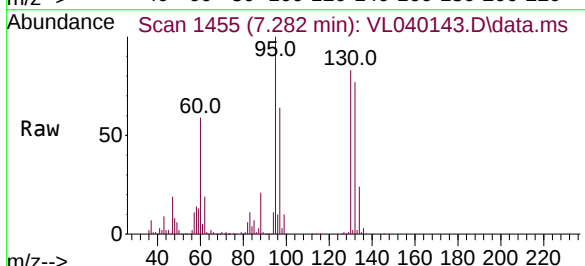
Ion Ratio Lower Upper

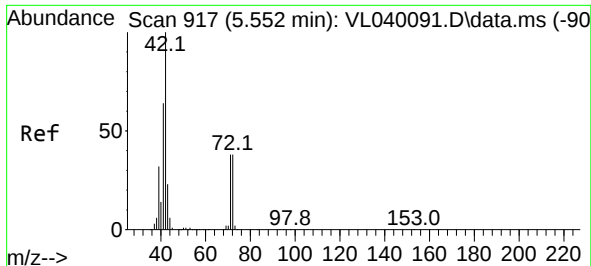
88 100

58 126.6 97.5 146.3

43 0.0 195.0 292.4#

57 0.0 848.5 1272.7#





#41

Tetrahydrofuran

Concen: 10.647 ppbv

RT: 5.549 min Scan# 916

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

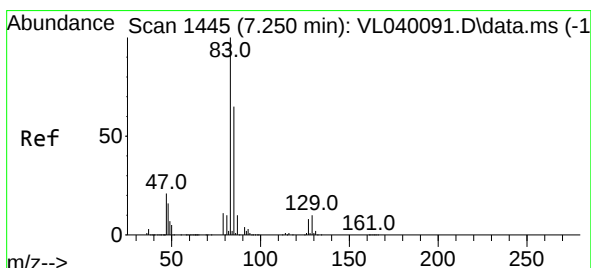
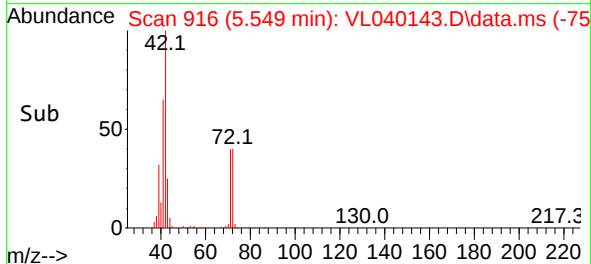
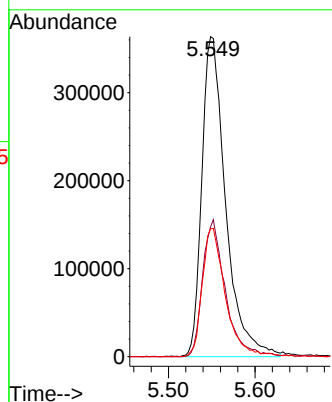
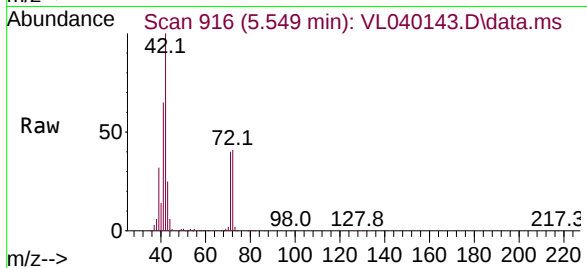
Tgt Ion: 42 Resp: 694503

Ion Ratio Lower Upper

42 100

72 41.3 31.9 47.9

71 39.4 31.4 47.2



#42

Bromodichloromethane

Concen: 10.645 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

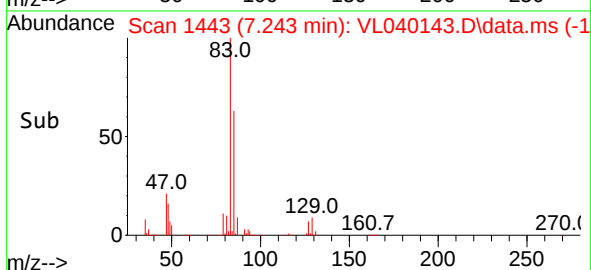
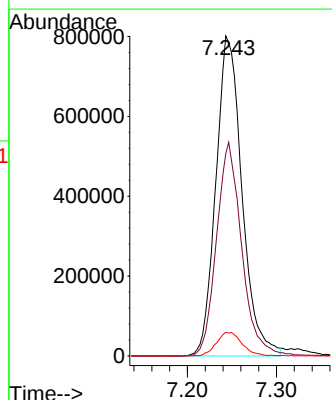
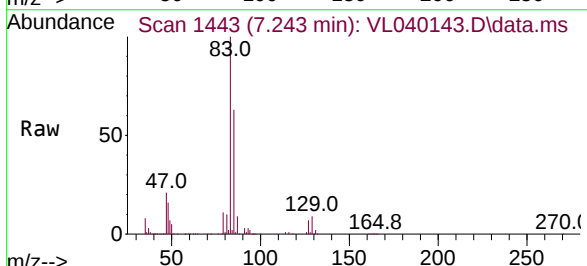
Tgt Ion: 83 Resp: 1633560

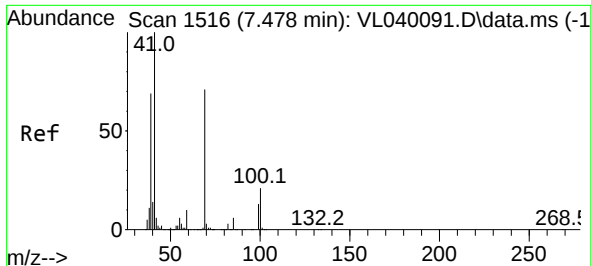
Ion Ratio Lower Upper

83 100

85 63.3 51.7 77.5

127 7.4 6.2 9.2

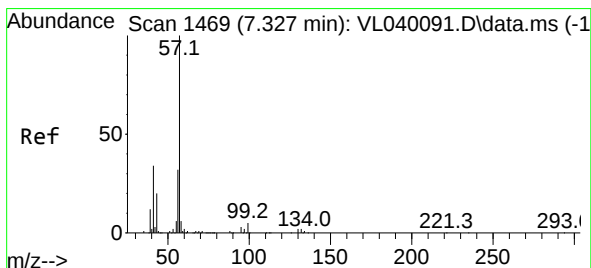
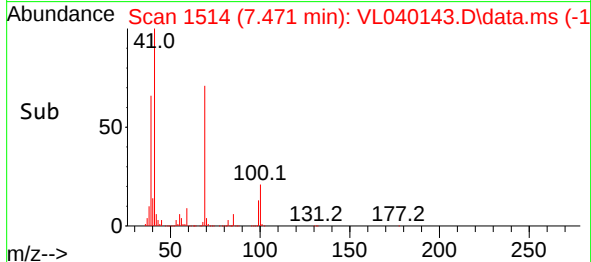
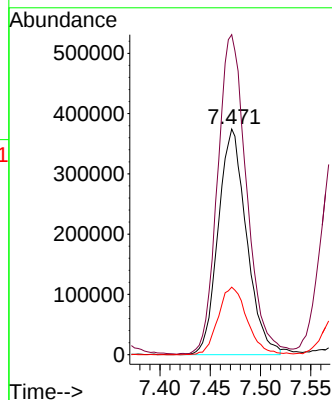
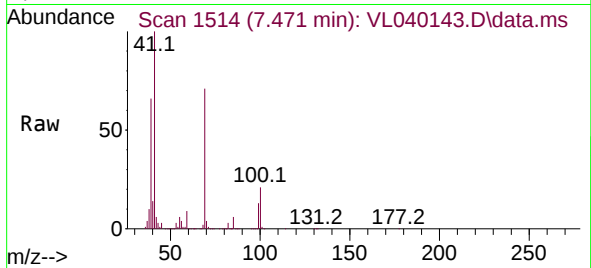




#43
Methyl Methacrylate
Concen: 11.295 ppbv
RT: 7.471 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

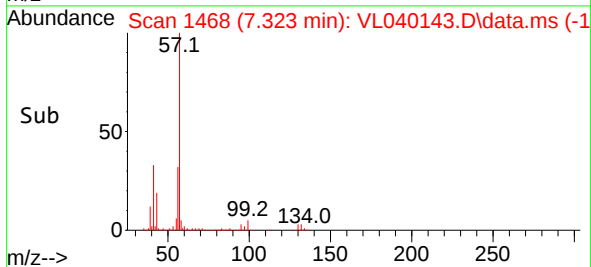
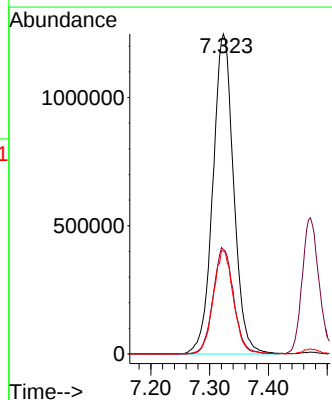
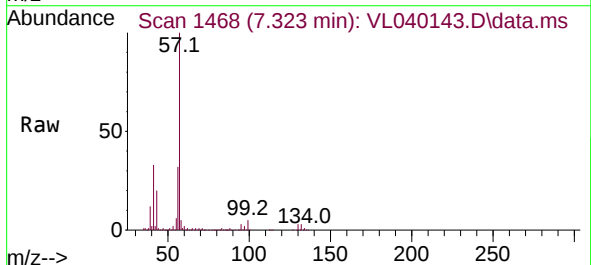
Instrument :
MSVOA_L
ClientSampleId :

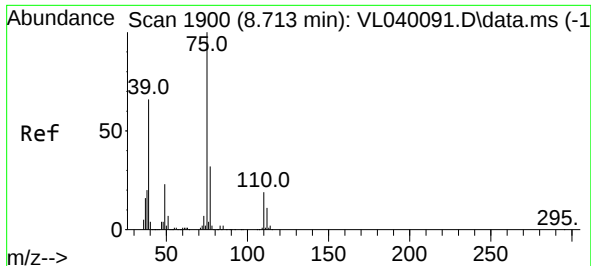
Tgt Ion: 69 Resp: 732825
Ion Ratio Lower Upper
69 100
41 145.8 118.2 177.2
100 30.7 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 10.404 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 57 Resp: 3059186
Ion Ratio Lower Upper
57 100
41 32.9 27.1 40.7
56 31.4 25.0 37.4

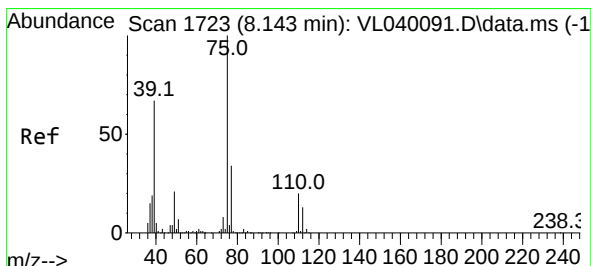
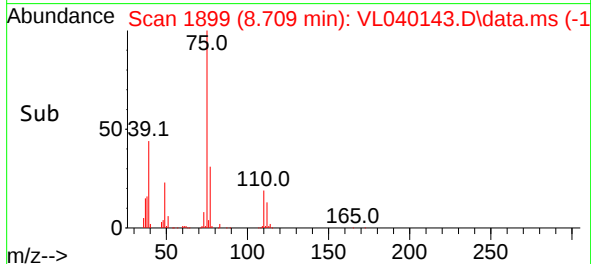
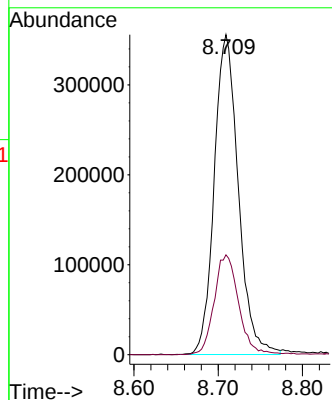
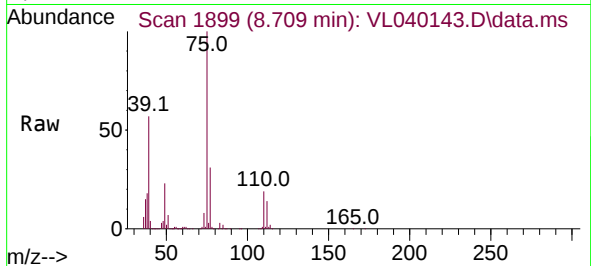




#45
t-1,3-Dichloropropene
Concen: 12.171 ppbv
RT: 8.709 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

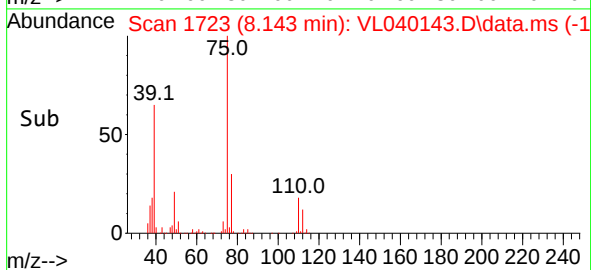
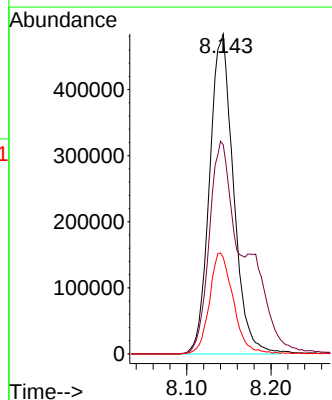
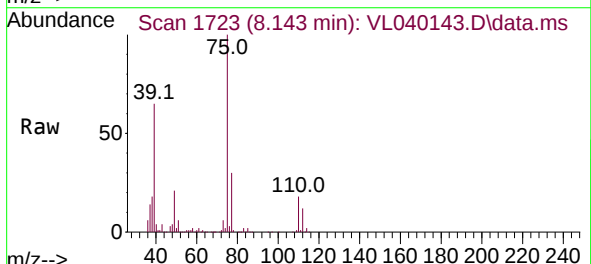
Instrument :
MSVOA_L
ClientSampleId :

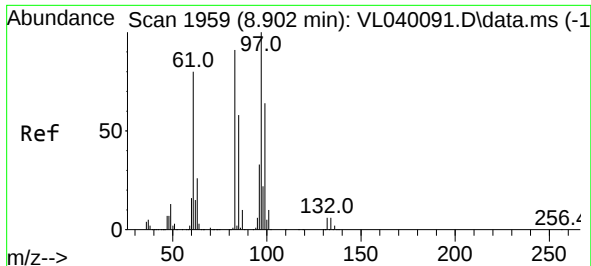
Tgt Ion: 75 Resp: 704156
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 12.074 ppbv
RT: 8.143 min Scan# 1723
Delta R.T. 0.013 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 75 Resp: 954550
Ion Ratio Lower Upper
75 100
39 65.3 53.6 80.4
77 30.2 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 10.206 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. 0.013 min

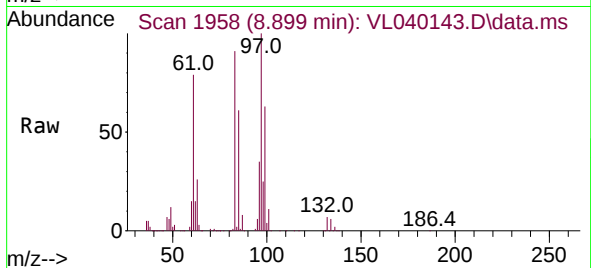
Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

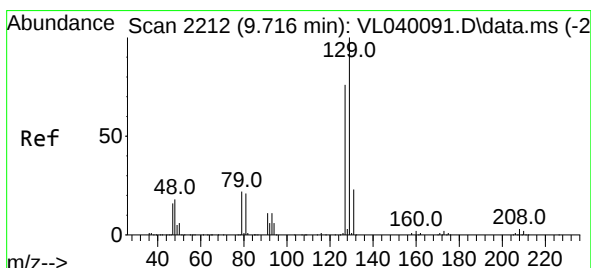
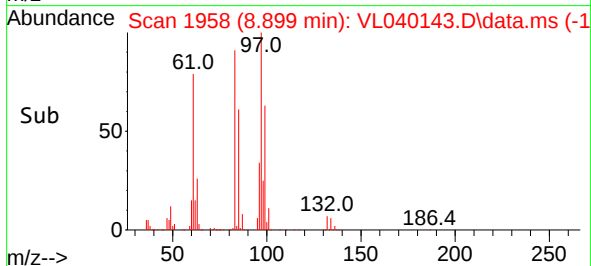
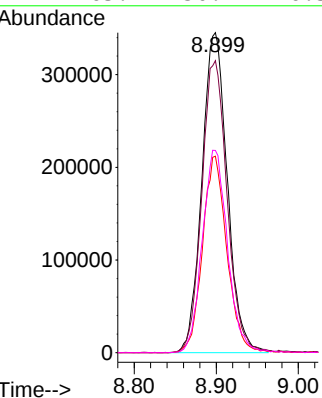
MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 743142

Ion	Ratio	Lower	Upper
97	100		
83	91.2	72.9	109.3
85	61.4	46.0	69.0
99	63.2	50.9	76.3



#48

Dibromochloromethane

Concen: 10.839 ppbv

RT: 9.709 min Scan# 2210

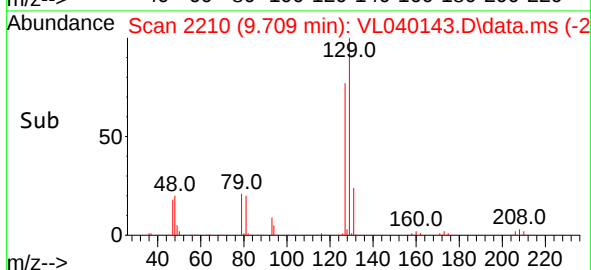
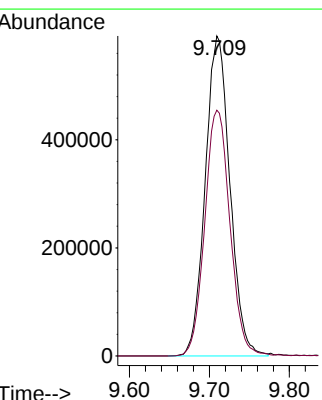
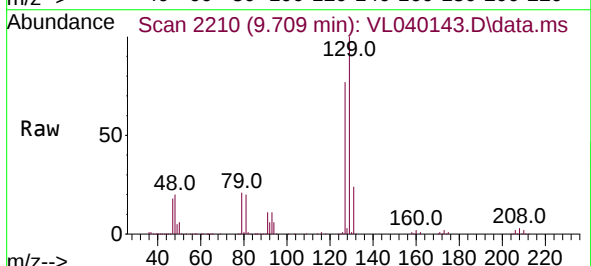
Delta R.T. 0.010 min

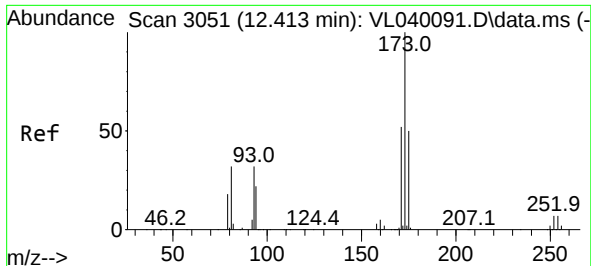
Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Tgt Ion: 129 Resp: 1268405

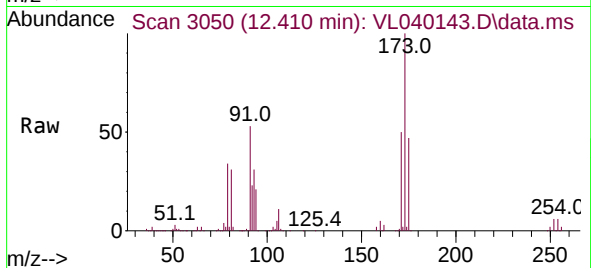
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



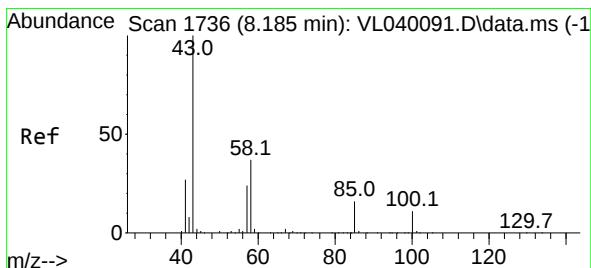
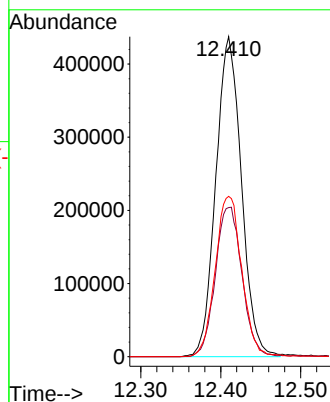
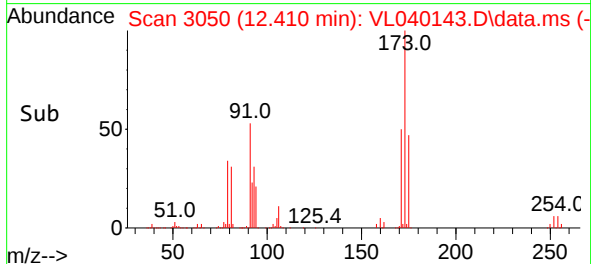


#49
Bromoform
Concen: 10.785 ppbv
RT: 12.410 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :

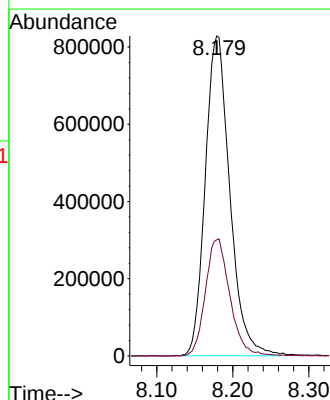
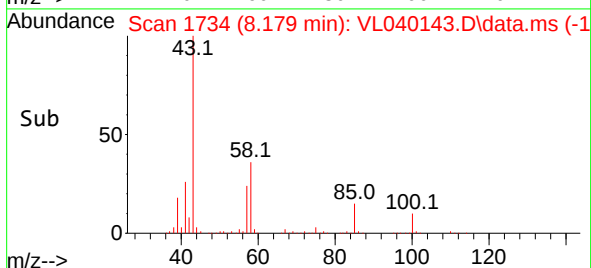
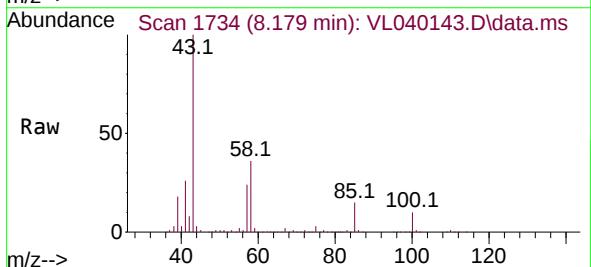


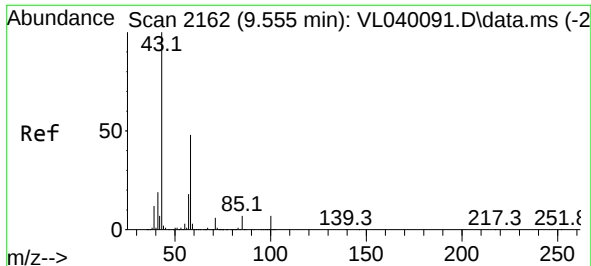
Tgt Ion:173 Resp: 972279
Ion Ratio Lower Upper
173 100
175 49.1 39.7 59.5
171 52.3 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.458 ppbv
RT: 8.179 min Scan# 1734
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 43 Resp: 1858993
Ion Ratio Lower Upper
43 100
58 36.6 28.8 43.2

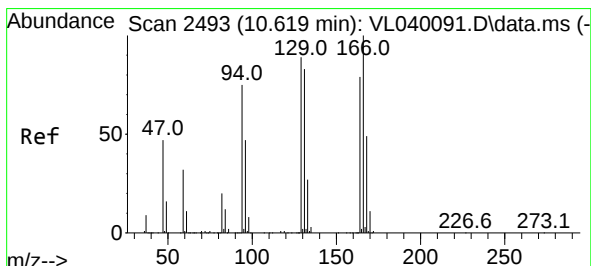
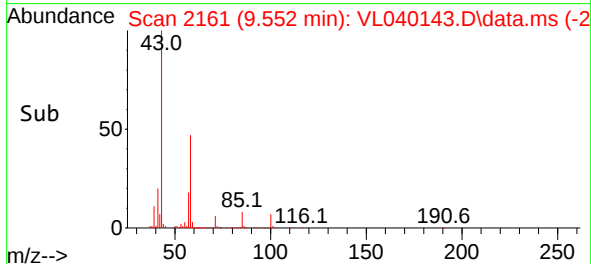
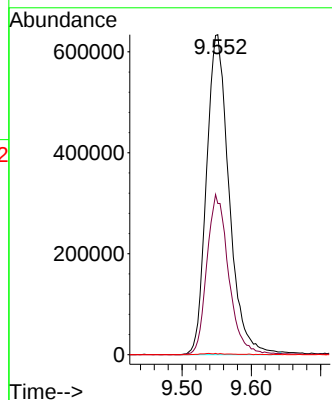
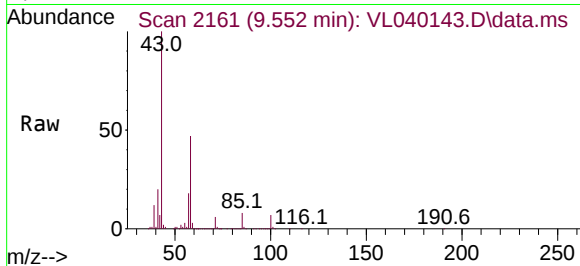




#51
2-Hexanone
Concen: 10.659 ppbv
RT: 9.552 min Scan# 2162
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

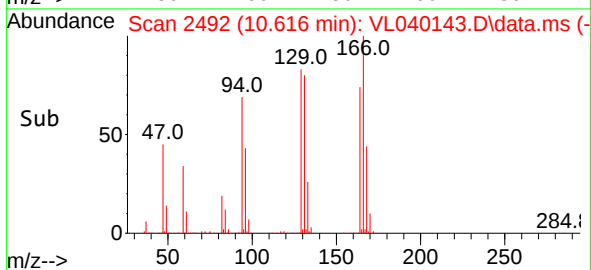
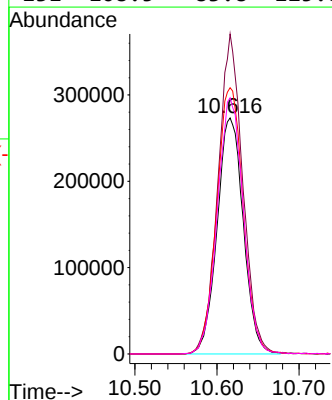
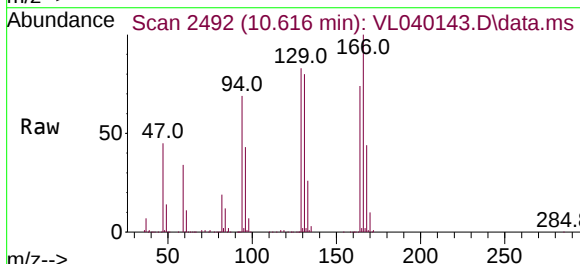
Instrument :
MSVOA_L
ClientSampleId :

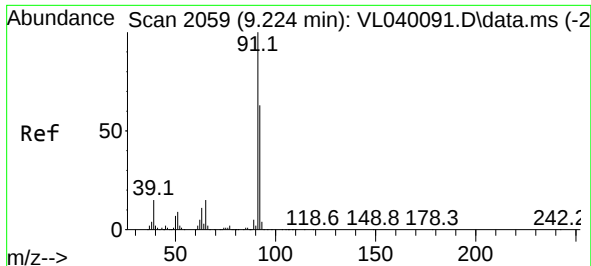
Tgt Ion: 43 Resp: 1435495
Ion Ratio Lower Upper
43 100
58 48.5 37.5 56.3
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 10.485 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion:164 Resp: 606427
Ion Ratio Lower Upper
164 100
166 135.5 101.2 151.8
129 112.8 90.2 135.2
131 108.5 83.8 125.8

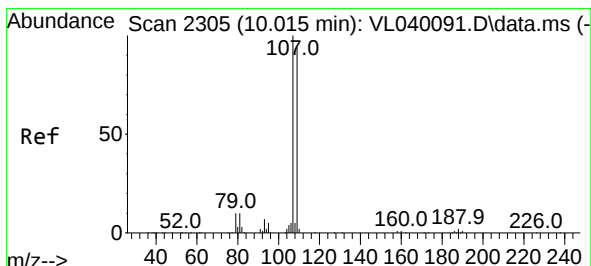
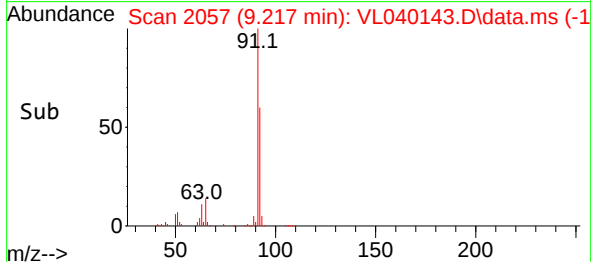
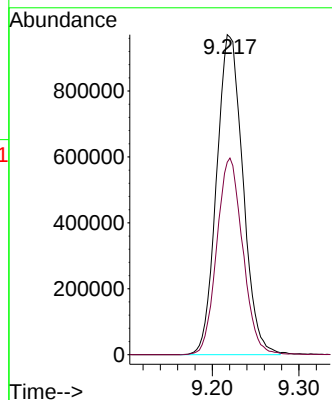
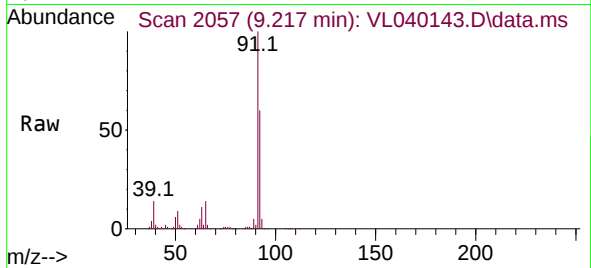




#53
Toluene
Concen: 10.864 ppbv
RT: 9.217 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

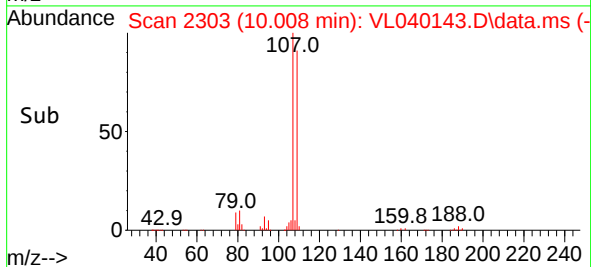
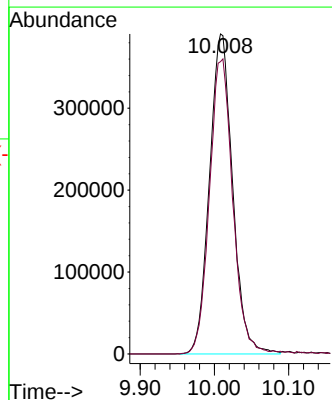
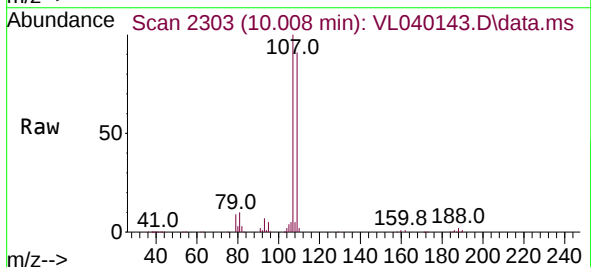
Instrument :
MSVOA_L
ClientSampleId :

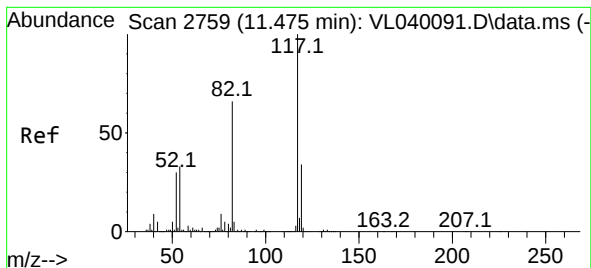
Tgt Ion: 91 Resp: 2048683
Ion Ratio Lower Upper
91 100
92 60.7 48.3 72.5



#54
1,2-Dibromoethane
Concen: 11.105 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

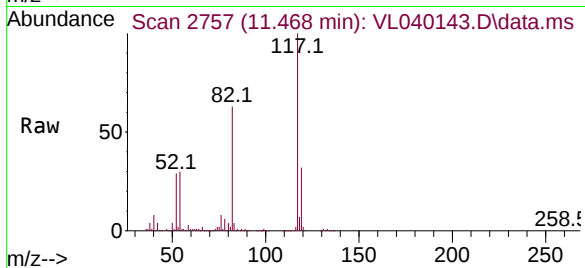
Tgt Ion: 107 Resp: 846550
Ion Ratio Lower Upper
107 100
109 91.3 75.0 112.4



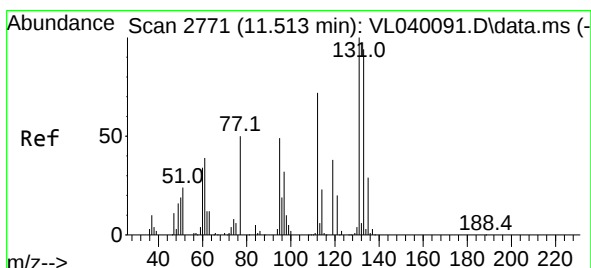
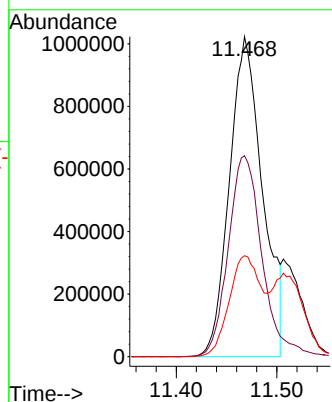
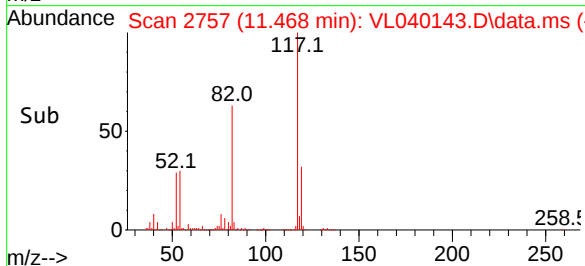


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Instrument :
MSVOA_L
ClientSampleId :

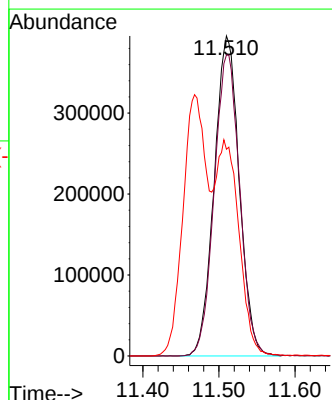
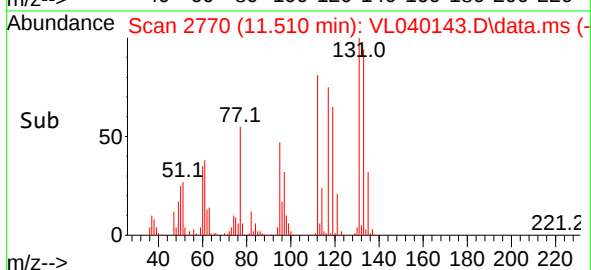
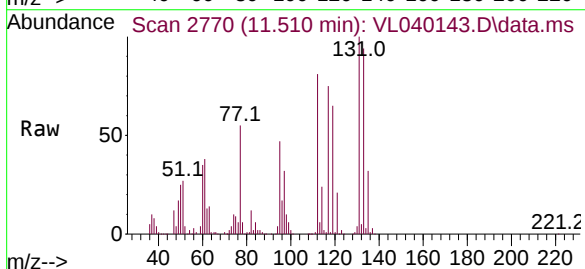


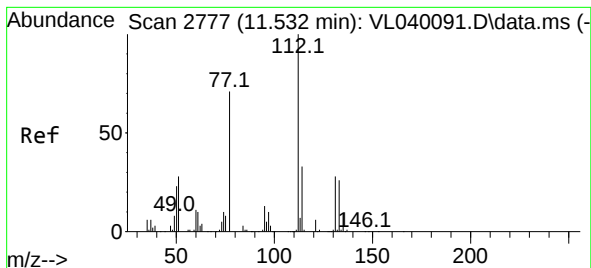
Tgt Ion:117 Resp: 2338500
Ion Ratio Lower Upper
117 100
82 64.4 54.4 81.6
119 30.7 26.8 40.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.943 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion:131 Resp: 905005
Ion Ratio Lower Upper
131 100
133 95.6 75.6 113.4
119 63.0 47.2 70.8

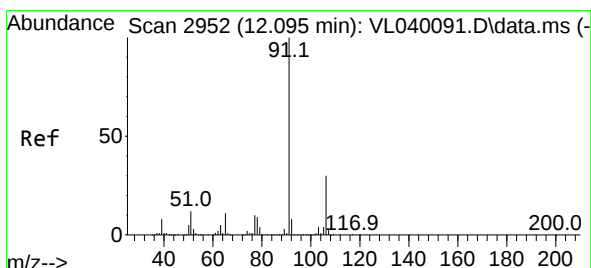
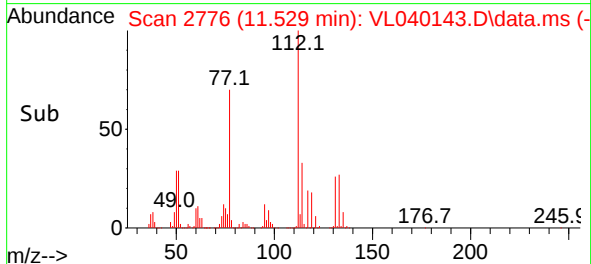
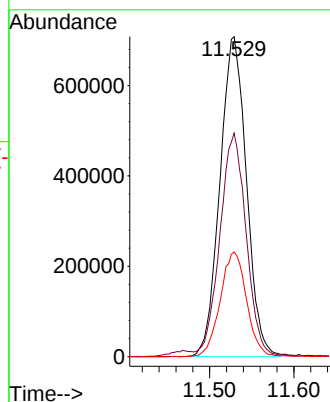
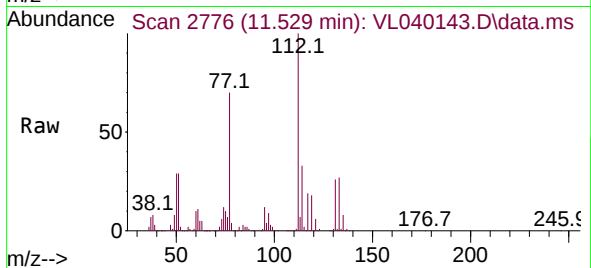




#57
Chlorobenzene
Concen: 9.695 ppbv
RT: 11.529 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

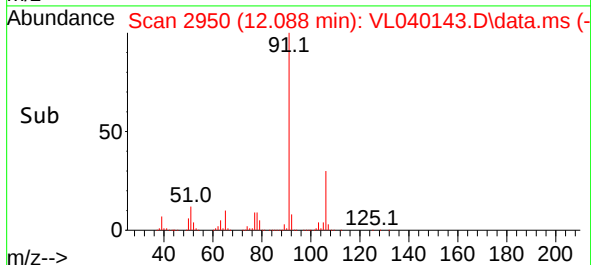
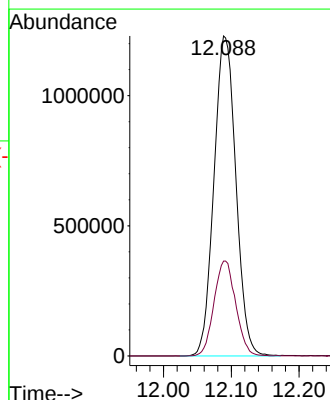
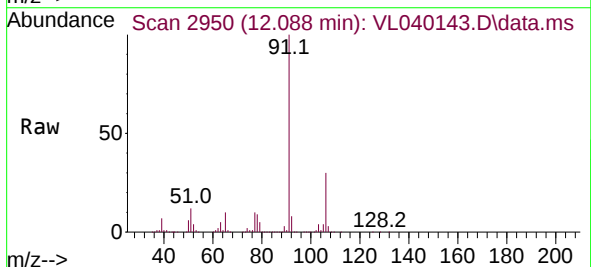
Instrument :
MSVOA_L
ClientSampleId :

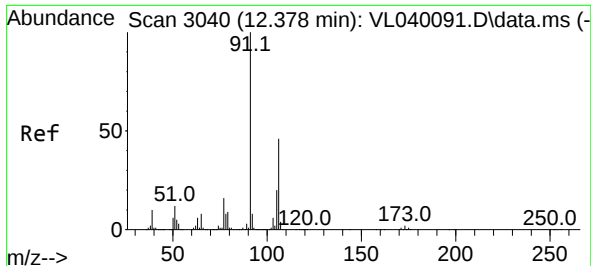
Tgt Ion:112 Resp: 1545380
Ion Ratio Lower Upper
112 100
77 69.3 57.3 85.9
114 32.8 29.6 36.2



#58
Ethyl Benzene
Concen: 10.586 ppbv
RT: 12.088 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 91 Resp: 2762705
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5





#59

m/p-Xylene

Concen: 11.321 ppbv

RT: 12.371 min Scan# 3040

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

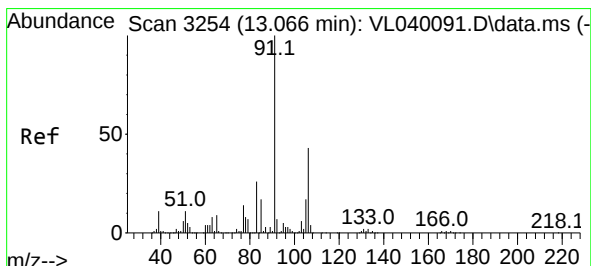
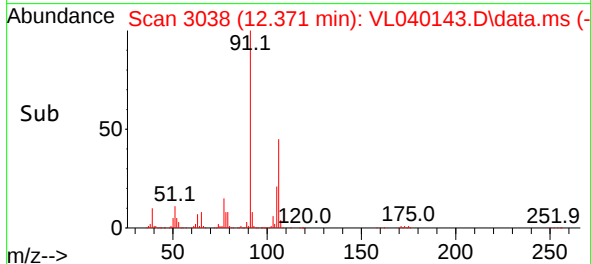
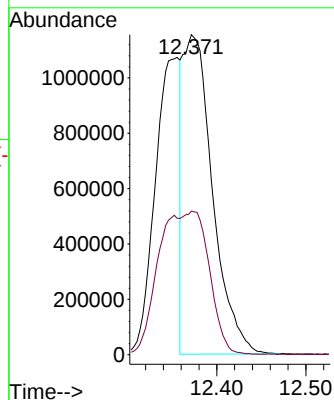
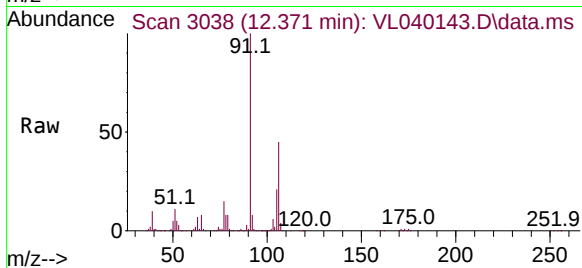
ClientSampleId :

Tgt Ion: 91 Resp: 2656422

Ion Ratio Lower Upper

91 100

106 77.1 34.2 51.4#



#60

o-Xylene

Concen: 10.157 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.013 min

Lab File: VL040143.D

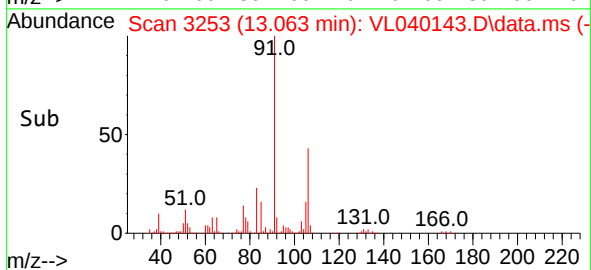
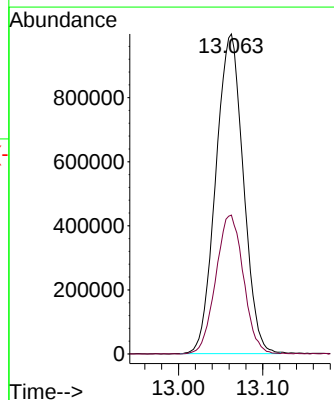
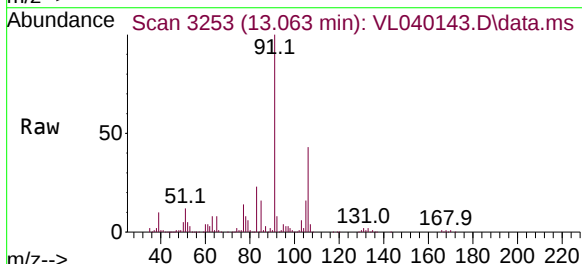
Acq: 6 Feb 2023 12:46

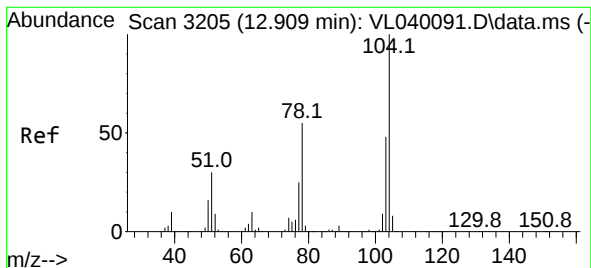
Tgt Ion: 91 Resp: 2262119

Ion Ratio Lower Upper

91 100

106 43.7 21.6 64.8





#61

Styrene

Concen: 11.079 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

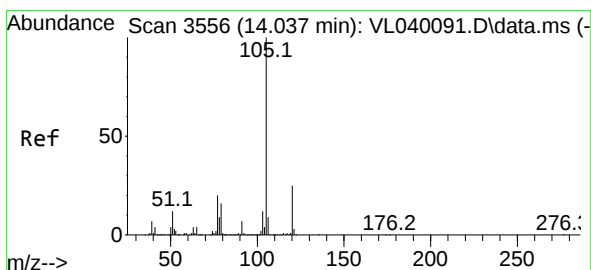
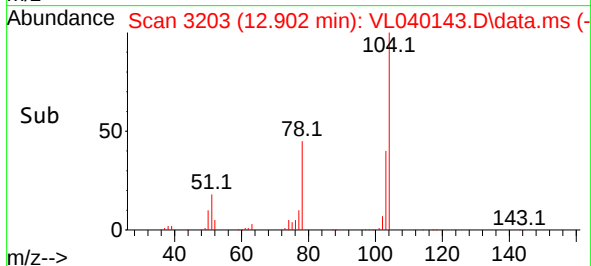
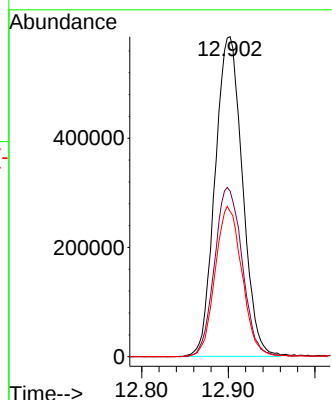
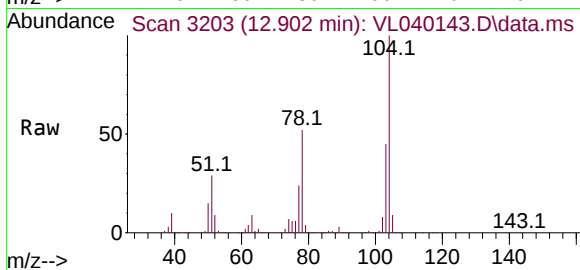
Tgt Ion:104 Resp: 1285804

Ion Ratio Lower Upper

104 100

78 53.9 44.0 66.0

103 46.5 37.8 56.6



#62

Isopropylbenzene

Concen: 9.833 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. 0.010 min

Lab File: VL040143.D

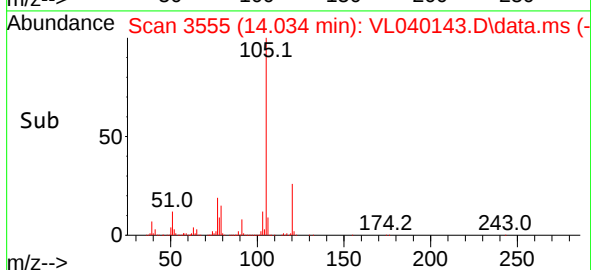
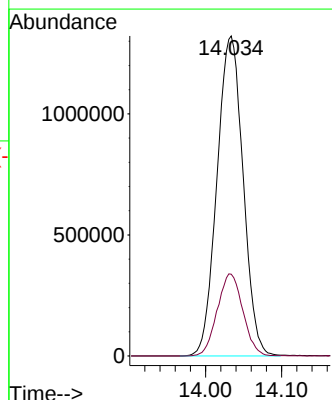
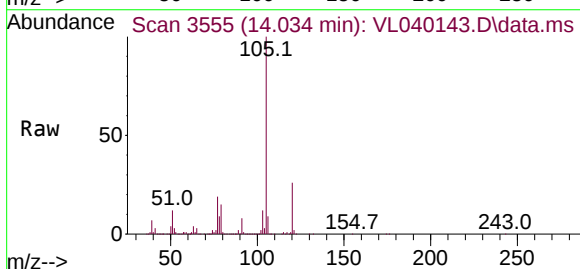
Acq: 6 Feb 2023 12:46

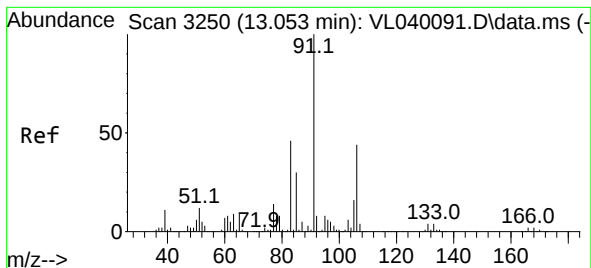
Tgt Ion:105 Resp: 3150086

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 9.078 ppbv

RT: 13.050 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

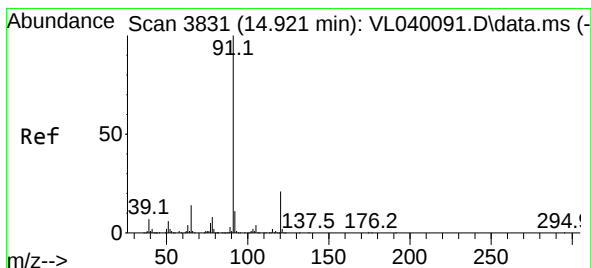
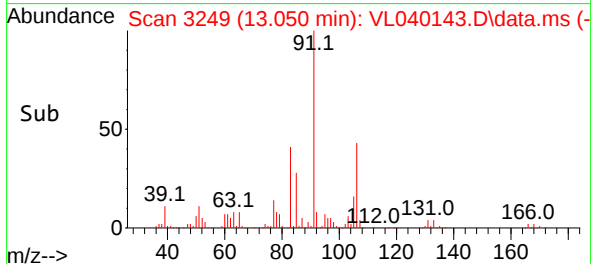
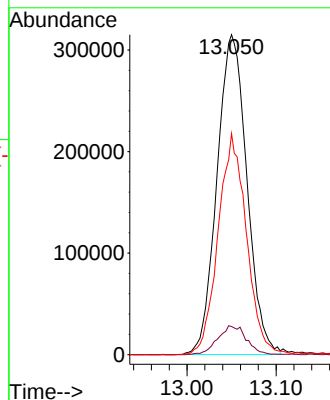
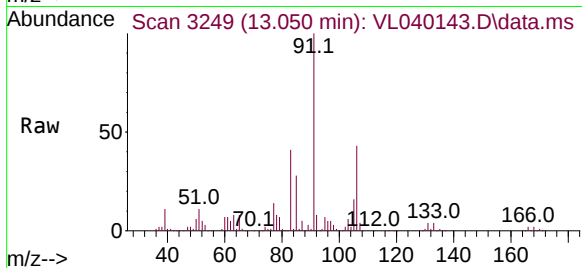
Tgt Ion: 83 Resp: 734149

Ion Ratio Lower Upper

83 100

131 8.8 4.3 13.1

85 66.2 32.5 97.5



#64

n-propylbenzene

Concen: 10.132 ppbv

RT: 14.921 min Scan# 3831

Delta R.T. 0.010 min

Lab File: VL040143.D

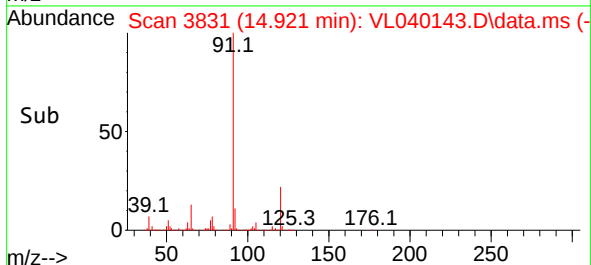
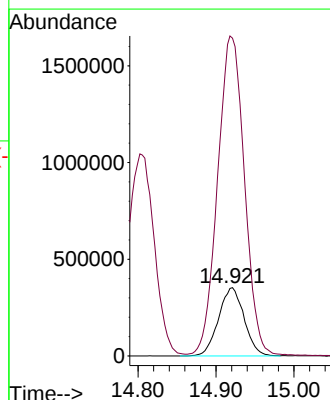
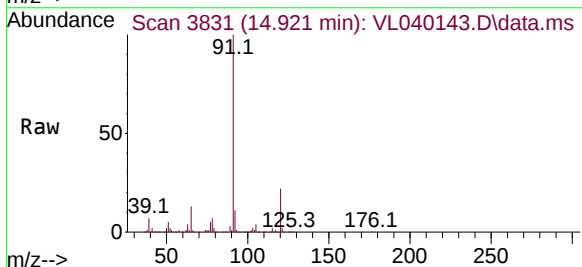
Acq: 6 Feb 2023 12:46

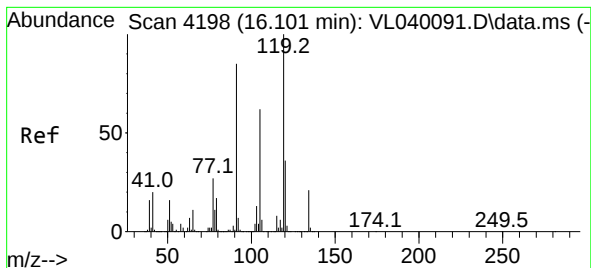
Tgt Ion:120 Resp: 806865

Ion Ratio Lower Upper

120 100

91 493.9 397.0 595.4

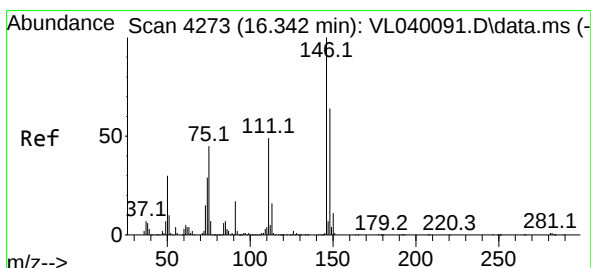
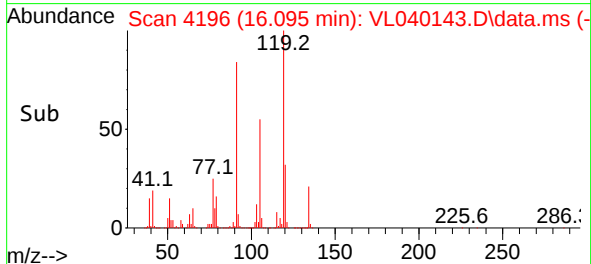
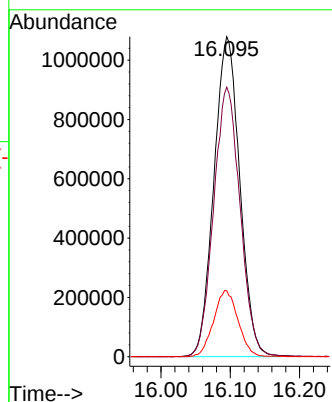
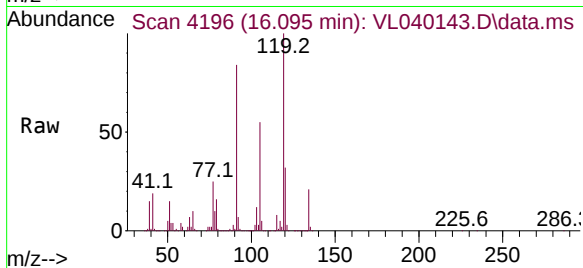




#65
tert-Butylbenzene
Concen: 10.193 ppbv
RT: 16.095 min Scan# 4198
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

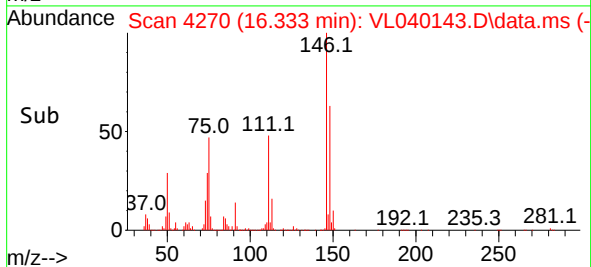
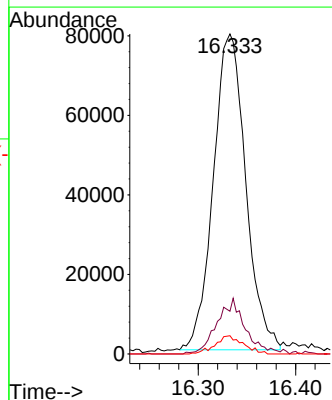
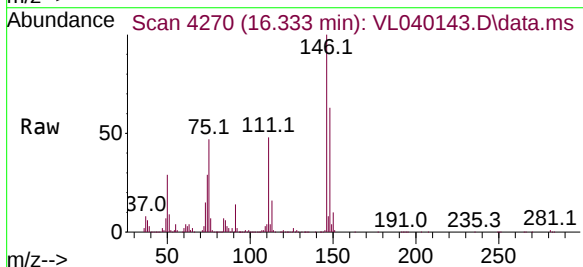
Instrument :
MSVOA_L
ClientSampleId :

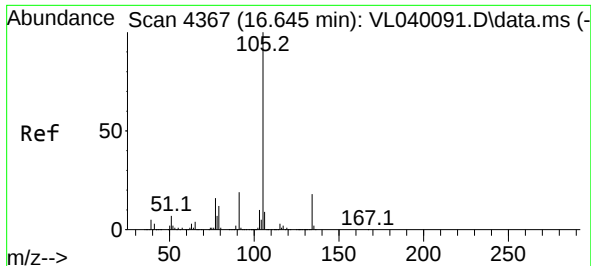
Tgt Ion:119 Resp: 2795503
Ion Ratio Lower Upper
119 100
91 86.5 69.5 104.3
134 19.7 15.8 23.8



#66
Benzyl Chloride
Concen: 9.787 ppbv
RT: 16.333 min Scan# 4270
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion: 91 Resp: 183442
Ion Ratio Lower Upper
91 100
126 15.7 11.5 17.3
128 5.0 0.0 0.0#





#67

sec-Butylbenzene

Concen: 10.297 ppbv

RT: 16.641 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

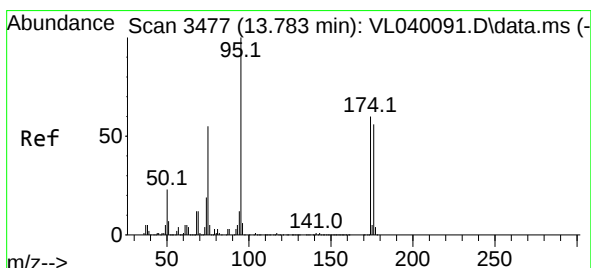
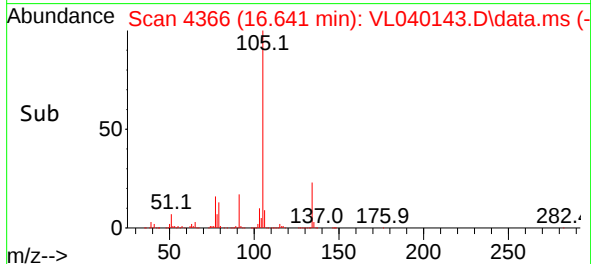
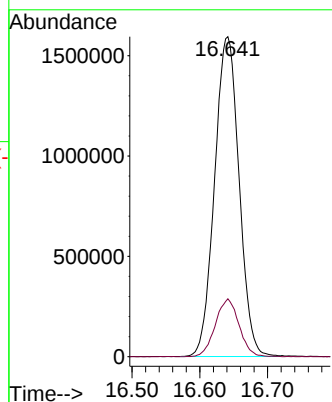
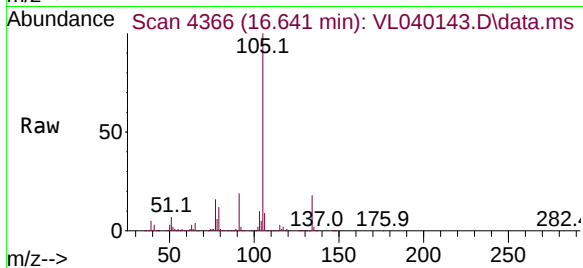
ClientSampleId :

Tgt Ion:105 Resp: 4003839

Ion Ratio Lower Upper

105 100

134 17.5 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.248 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

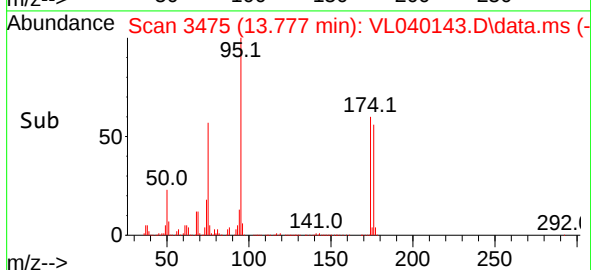
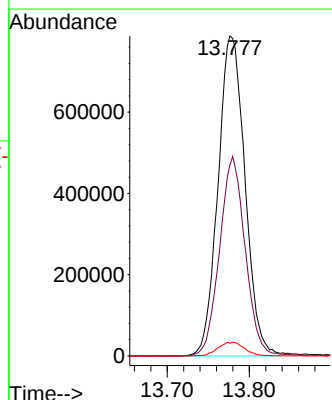
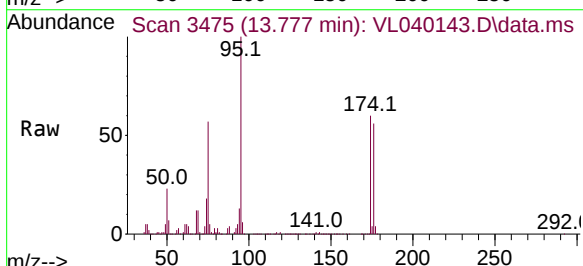
Tgt Ion: 95 Resp: 1797347

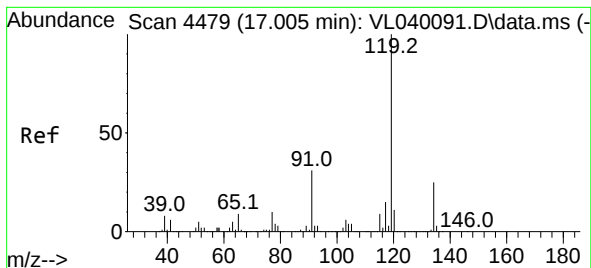
Ion Ratio Lower Upper

95 100

174 59.4 47.7 71.5

175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 10.519 ppbv

RT: 16.998 min Scan# 4479

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

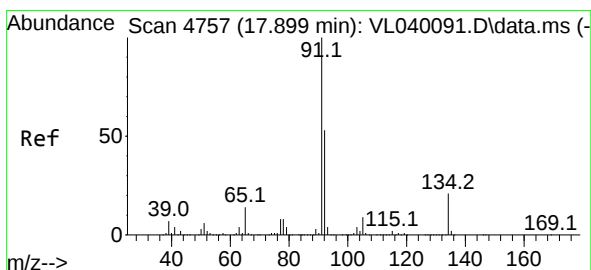
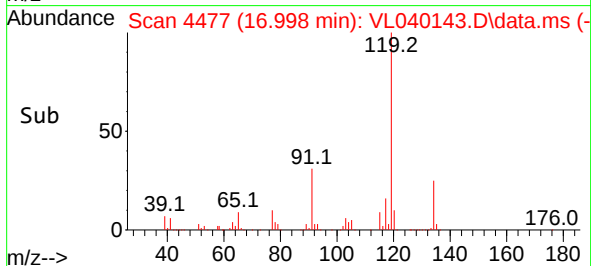
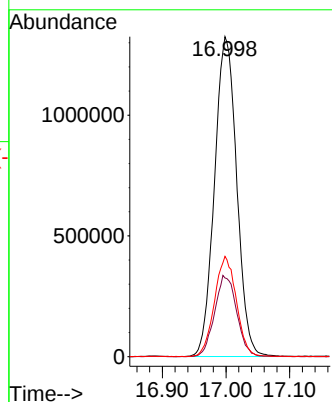
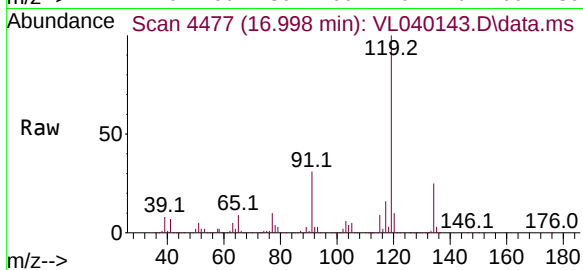
Tgt Ion:119 Resp: 3214135

Ion Ratio Lower Upper

119 100

134 25.3 20.1 30.1

91 30.9 25.0 37.4



#70

n-Butylbenzene

Concen: 10.689 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

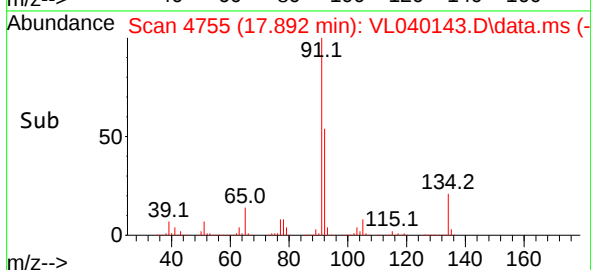
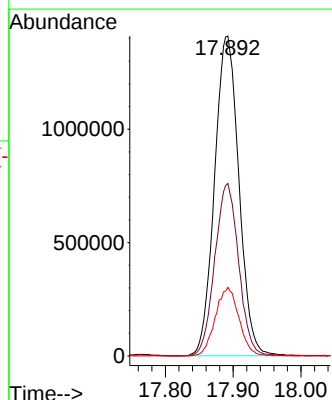
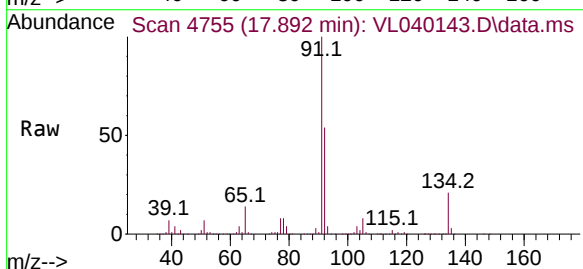
Tgt Ion: 91 Resp: 3522185

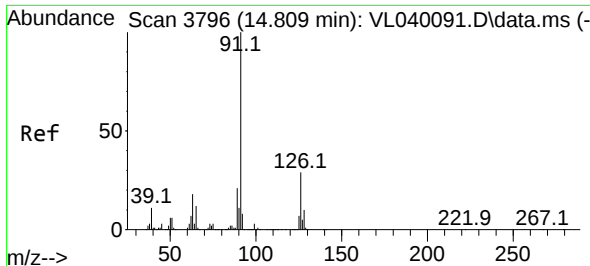
Ion Ratio Lower Upper

91 100

92 52.9 42.8 64.2

134 20.9 16.9 25.3

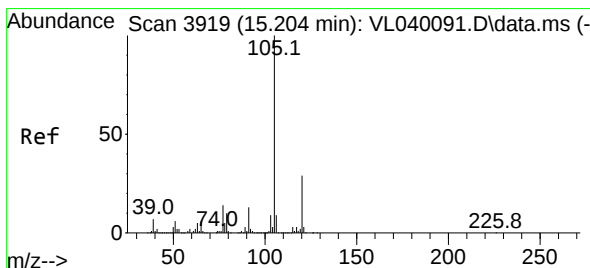
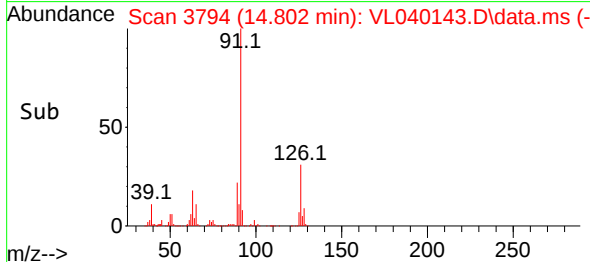
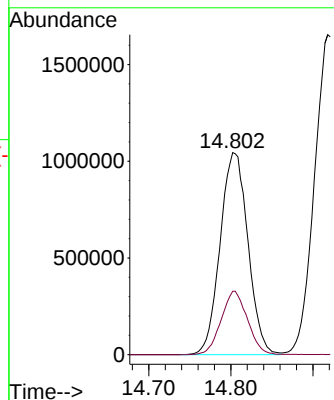
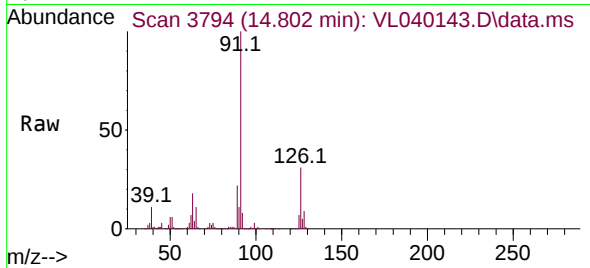




#71
2-Chlorotoluene
Concen: 9.998 ppbv
RT: 14.802 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

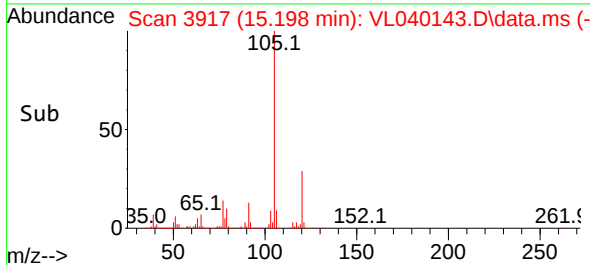
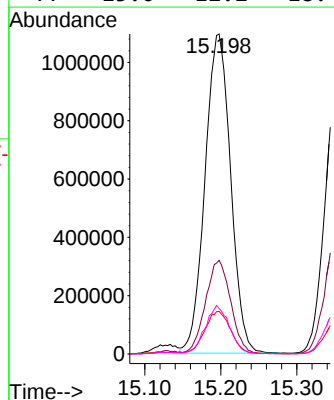
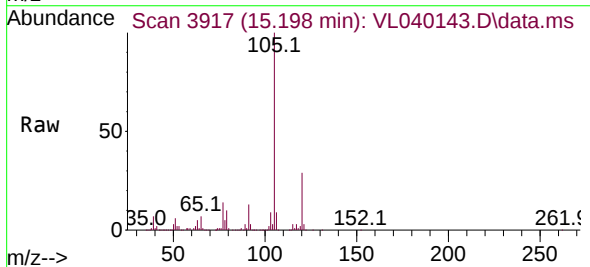
Instrument :
MSVOA_L
ClientSampleId :

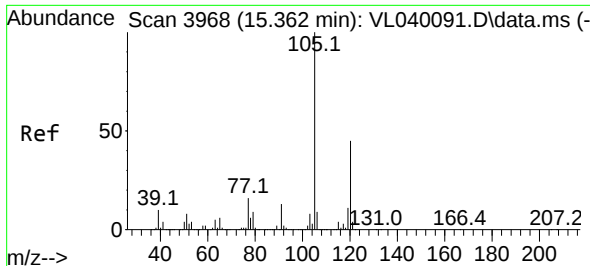
Tgt Ion: 91 Resp: 2463239
Ion Ratio Lower Upper
91 100
126 29.9 11.9 47.5



#72
4-Ethyltoluene
Concen: 10.367 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.010 min
Lab File: VL040143.D
Acq: 6 Feb 2023 12:46

Tgt Ion:105 Resp: 2562116
Ion Ratio Lower Upper
105 100
120 29.1 23.1 34.7
91 13.6 11.2 16.8
77 15.0 12.2 18.4

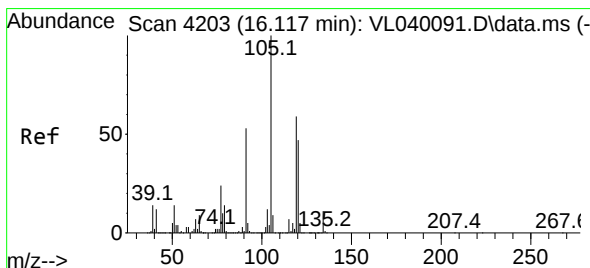
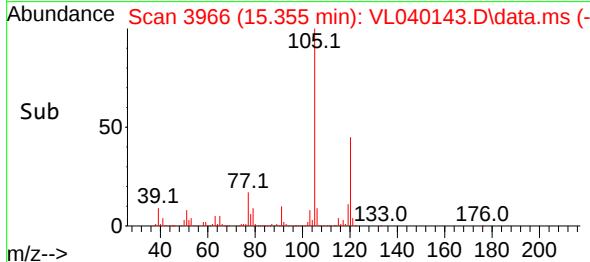
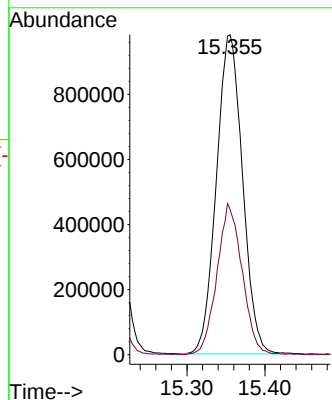
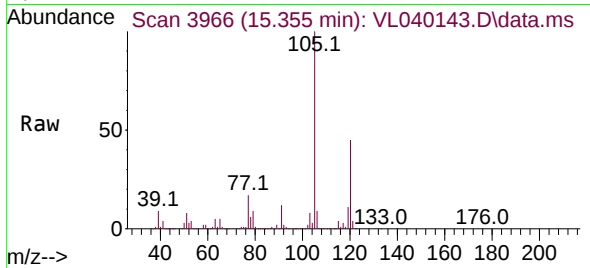




#73
 1,3,5-Trimethylbenzene
 Concen: 10.271 ppbv
 RT: 15.355 min Scan# 3966
 Delta R.T. 0.006 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

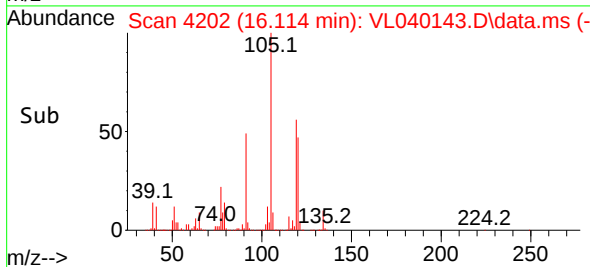
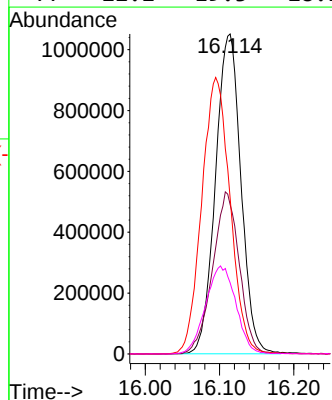
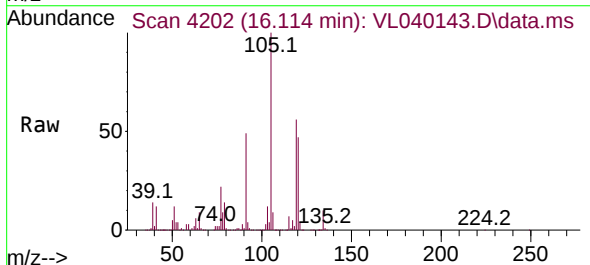
Instrument :
 MSVOA_L
 ClientSampleId :

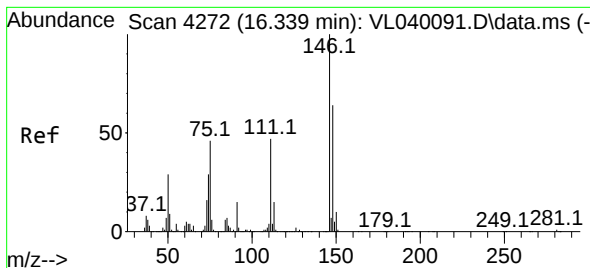
Tgt Ion:105 Resp: 2285601
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4



#74
 1,2,4-Trimethylbenzene
 Concen: 10.169 ppbv
 RT: 16.114 min Scan# 4202
 Delta R.T. 0.013 min
 Lab File: VL040143.D
 Acq: 6 Feb 2023 12:46

Tgt Ion:105 Resp: 2506625
 Ion Ratio Lower Upper
 105 100
 120 46.6 38.0 57.0
 91 48.6 42.1 63.1
 77 22.2 19.3 28.9





#75

1,3-Dichlorobenzene

Concen: 10.151 ppbv

RT: 16.336 min Scan# 4316

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

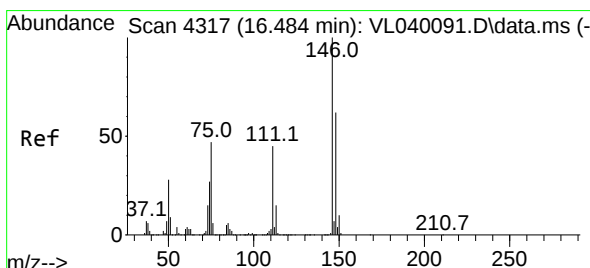
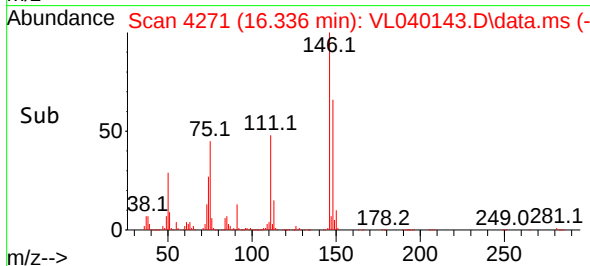
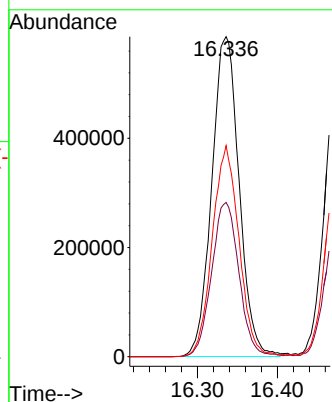
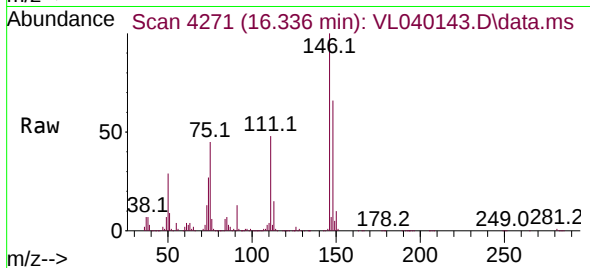
Tgt Ion:146 Resp: 1389669

Ion Ratio Lower Upper

146 100

111 48.5 24.3 73.0

148 64.5 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 10.177 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.013 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

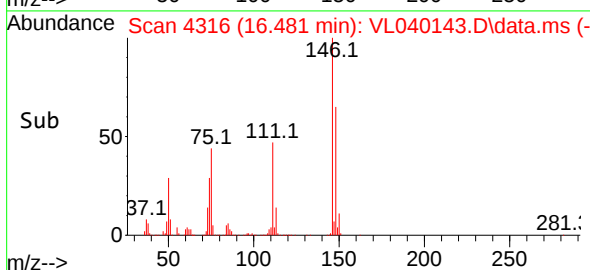
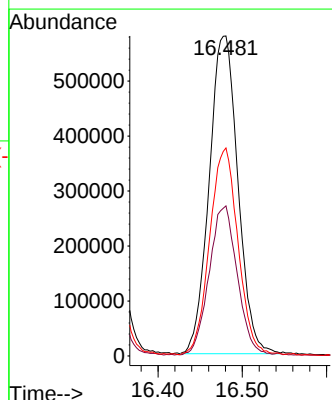
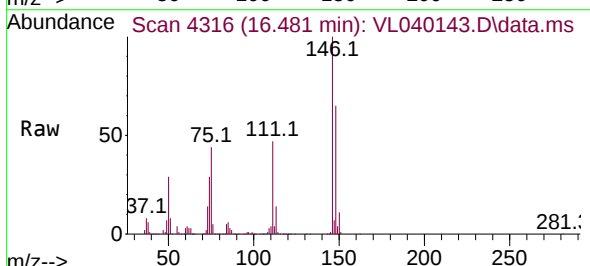
Tgt Ion:146 Resp: 1369954

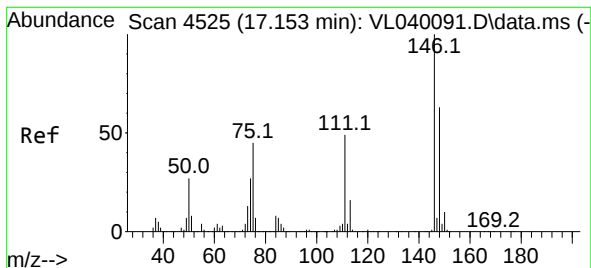
Ion Ratio Lower Upper

146 100

111 47.2 23.8 71.2

148 65.6 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 10.556 ppbv

RT: 17.149 min Scan# 4

Delta R.T. 0.013 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

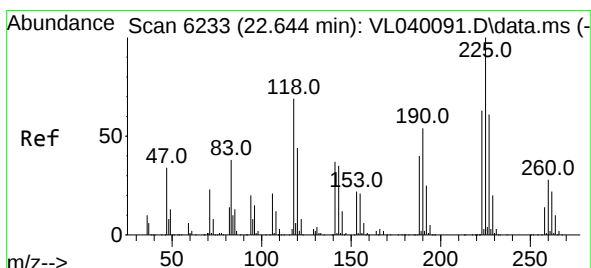
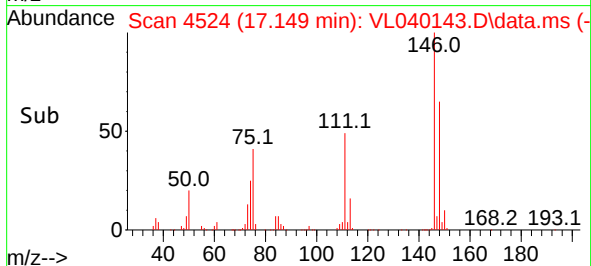
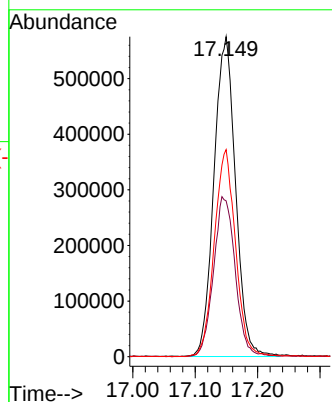
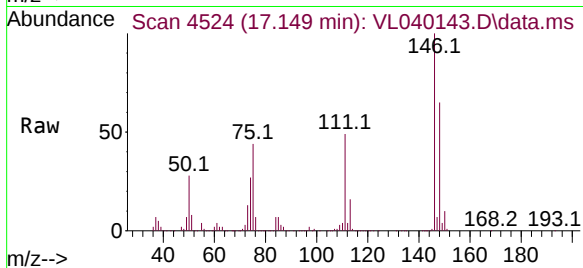
Tgt Ion:146 Resp: 1382013

Ion Ratio Lower Upper

146 100

111 50.1 25.1 75.2

148 63.5 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 9.589 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.006 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

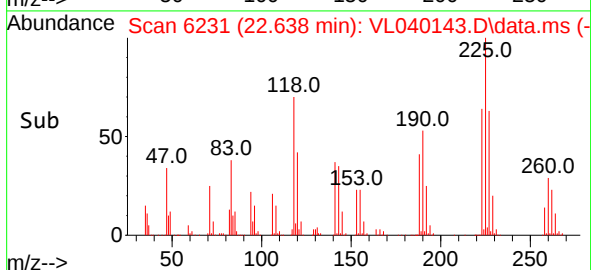
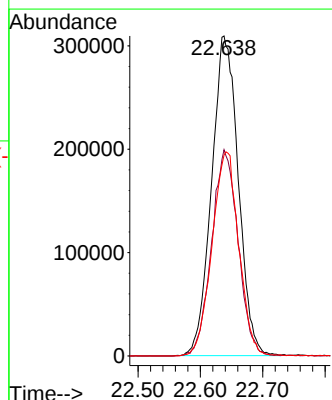
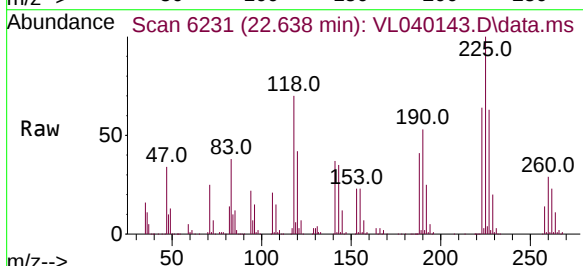
Tgt Ion:225 Resp: 919541

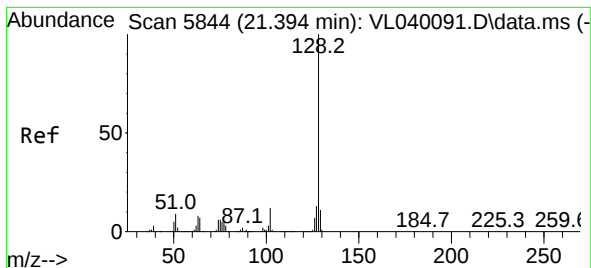
Ion Ratio Lower Upper

225 100

223 63.9 51.5 77.3

227 64.2 50.6 76.0





#79

Naphthalene

Concen: 13.147 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. 0.010 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :

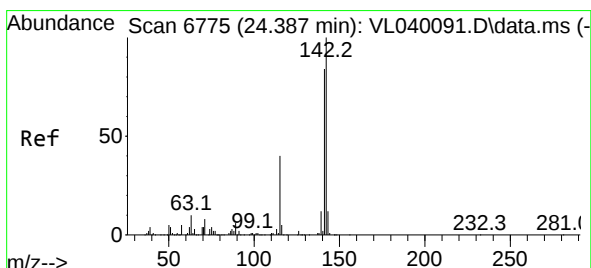
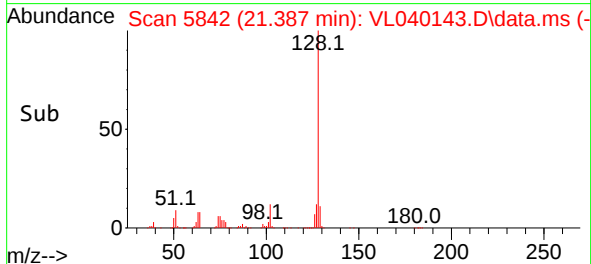
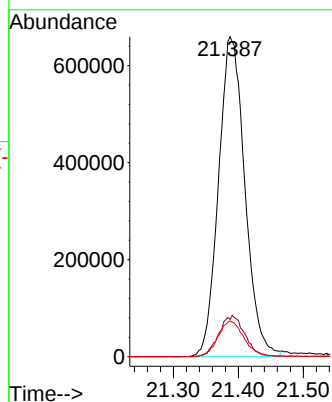
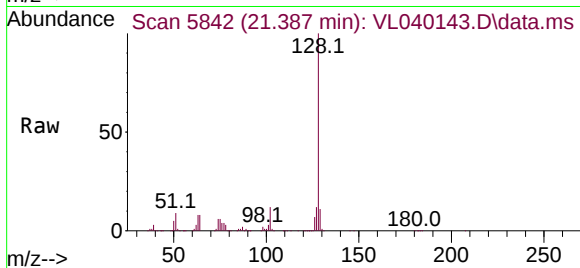
Tgt Ion:128 Resp: 1856508

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 11.2 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 6.618 ppbv

RT: 24.377 min Scan# 6772

Delta R.T. 0.003 min

Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

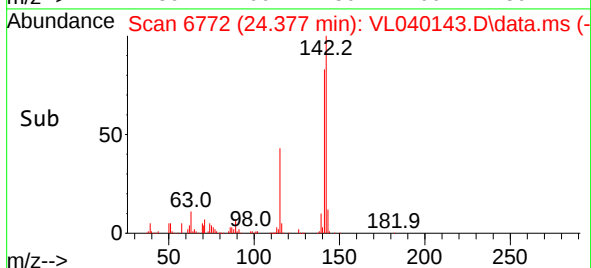
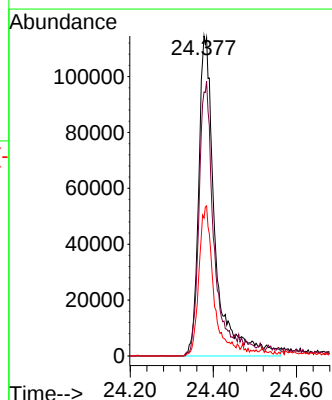
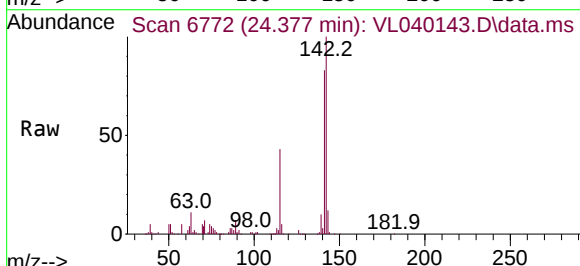
Tgt Ion:142 Resp: 314895

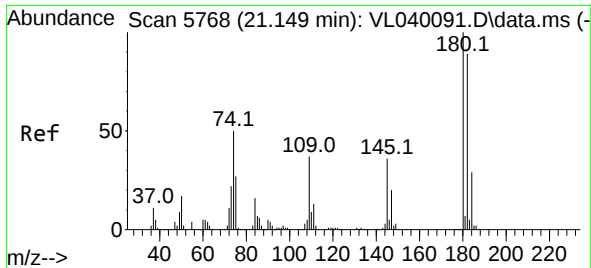
Ion Ratio Lower Upper

142 100

141 80.2 65.0 97.6

115 45.6 31.8 47.8





#81

1,2,4-Trichlorobenzene

Concen: 11.222 ppbv

RT: 21.149 min Scan# 5

Delta R.T. 0.016 min

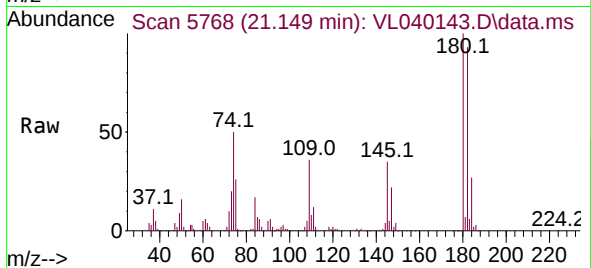
Lab File: VL040143.D

Acq: 6 Feb 2023 12:46

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 976675

Ion Ratio Lower Upper

180 100

182 96.8 78.6 117.8

184 31.0 25.1 37.7

