

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040630.D
 Acq On : 15 Aug 2023 10:57
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 04:46:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1067735	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2882339	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2706518	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2056772	9.555	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	492751	2.143	ppbv	95
3) Chlorodifluoromethane	2.665	51	381055	2.174	ppbv	99
4) Chloromethane	2.803	50	150103	2.195	ppbv	97
5) Vinyl Chloride	2.912	62	157093	2.164	ppbv	93
6) Bromomethane	3.111	94	81396	2.127	ppbv	95
7) Chloroethane	3.189	64	55772	2.106	ppbv	94
8) Dichlorotetrafluoroethane	2.851	85	399928	2.149	ppbv	98
9) Propene	2.687	41	118292	2.178	ppbv	94
10) Heptane	7.587	43	279561	2.235	ppbv	99
11) Trichlorofluoromethane	3.558	101	394078	2.123	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.060	101	292669	2.148	ppbv	99
13) Ethanol	3.247	45	34811	2.672	ppbv	82
14) Bromoethene	3.362	108	121836	2.177	ppbv	98
15) Acetone	3.468	43	285227	2.184	ppbv	94
16) 1,3-Butadiene	2.976	39	144144	2.219	ppbv	100
17) tert-Butyl alcohol	3.877	59	291223	2.103	ppbv	100
18) 1,1-Dichloroethene	3.873	96	133656	2.140	ppbv	97
19) Isopropyl Alcohol	3.574	45	181602	2.193	ppbv #	95
20) Methylene Chloride	3.931	84	131923	2.067	ppbv	94
21) Allyl Chloride	3.996	41	182740	2.115	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	128785	2.101	ppbv	96
23) Vinyl Acetate	4.626	43	305526	2.141	ppbv #	96
24) 1,1-Dichloroethane	4.562	63	274938	2.160	ppbv	99
25) Ethyl Acetate	5.211	43	545873	2.226	ppbv	98
26) Hexane	5.211	57	262402	2.211	ppbv	97
27) Carbon Disulfide	4.124	76	298037	2.110	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	198478	2.163	ppbv	99
29) Chloroform	5.275	83	399243	2.125	ppbv	99
30) Cyclohexane	6.606	84	201443	2.316	ppbv	92
31) cis-1,2-Dichloroethene	5.079	61	246117	2.298	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	394361	2.188	ppbv	99
34) 2-Butanone	4.787	43	320516	2.205	ppbv	100
35) Carbon Tetrachloride	6.497	117	394242	2.182	ppbv	96
36) Benzene	6.375	78	513733	2.240	ppbv	99
37) 1,2-Dichloroethane	5.806	62	299815	2.168	ppbv	100
38) Trichloroethene	7.298	130	189113	2.121	ppbv	97
39) 1,2-Dichloropropane	7.079	63	188036	2.155	ppbv	94
40) 1,4-Dioxane	7.301	88	33808	1.032	ppbv #	1
41) Tetrahydrofuran	5.568	42	179000	2.188	ppbv	99
42) Bromodichloromethane	7.253	83	416204	2.162	ppbv	95
43) Methyl Methacrylate	7.484	69	92036	1.072	ppbv #	1
44) 2,2,4-Trimethylpentane	7.330	57	825123	2.226	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	141907	2.097	ppbv	99

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

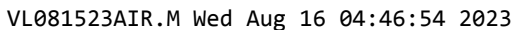
Instrument :
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 ClientSampleId :

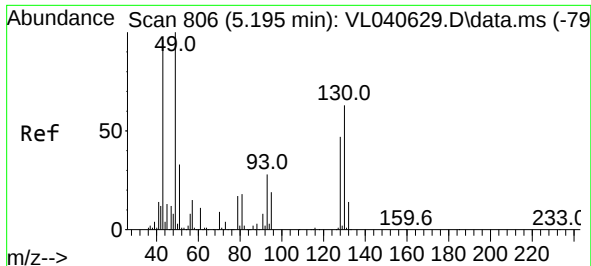
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 04:44:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	177407	2.128	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	211823	2.148	ppbv	97
48) Dibromochloromethane	9.712	129	329920	2.138	ppbv	98
49) Bromoform	12.417	173	260428	2.112	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	469563	2.208	ppbv	100
51) 2-Hexanone	9.565	43	330461	2.216	ppbv #	100
52) Tetrachloroethene	10.626	164	165652	2.307	ppbv	94
53) Toluene	9.227	91	541090	2.221	ppbv	99
54) 1,2-Dibromoethane	10.018	107	288718	2.440	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	262885	2.097	ppbv #	1
57) Chlorobenzene	11.532	112	446210	2.136	ppbv	98
58) Ethyl Benzene	12.098	91	734606	2.251	ppbv	98
59) m/p-Xylene	12.381	91	533836	1.795	ppbv #	32
60) o-Xylene	13.069	91	625395	2.216	ppbv	100
61) Styrene	12.909	104	275956	2.232	ppbv	97
62) Isopropylbenzene	14.040	105	932971	2.185	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.056	83	474140	2.217	ppbv	99
64) n-propylbenzene	14.928	120	233756	2.166	ppbv	90
65) tert-Butylbenzene	16.098	119	827342	2.235	ppbv	98
66) Benzyl Chloride	16.346	91	28411	0.615	ppbv #	12
67) sec-Butylbenzene	16.641	105	1214466	2.249	ppbv	99
69) p-Isopropyltoluene	17.002	119	952528	2.254	ppbv	100
70) n-Butylbenzene	17.895	91	1057971	2.293	ppbv	99
71) 2-Chlorotoluene	14.812	91	706897	2.231	ppbv	99
72) 4-Ethyltoluene	15.201	105	703519	2.208	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	628998	2.214	ppbv	97
74) 1,2,4-Trimethylbenzene	16.114	105	728329	2.190	ppbv	94
75) 1,3-Dichlorobenzene	16.336	146	418256	2.179	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	396891	2.069	ppbv	96
77) 1,2-Dichlorobenzene	17.153	146	405175	2.147	ppbv	98
78) Hexachloro-1,3-Butadiene	22.644	225	312998	2.182	ppbv	99
79) Naphthalene	21.397	128	572572	2.573	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	128754	2.167	ppbv	93
81) 1,2,4-Trichlorobenzene	21.149	180	315776	2.184	ppbv	100

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

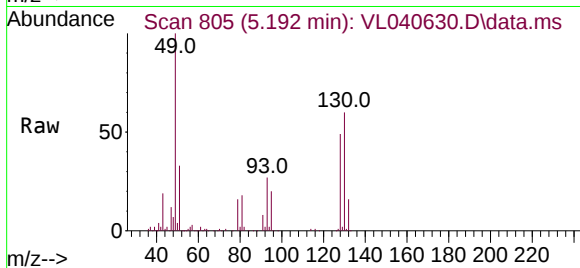
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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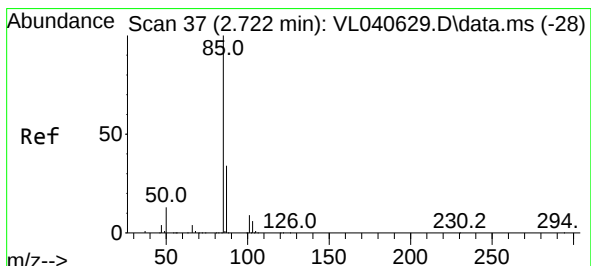
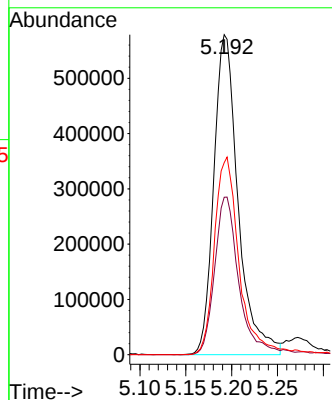
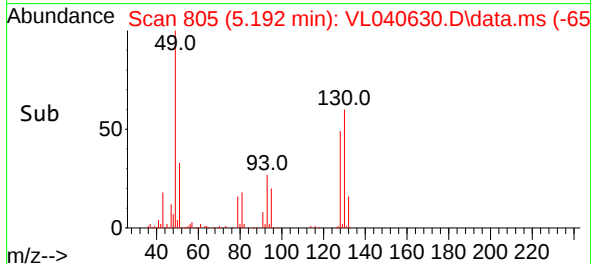


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Instrument :
MSVOA_L
ClientSampleId :

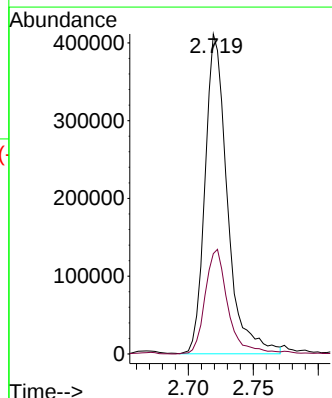
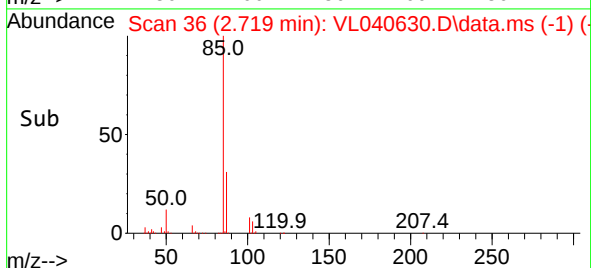
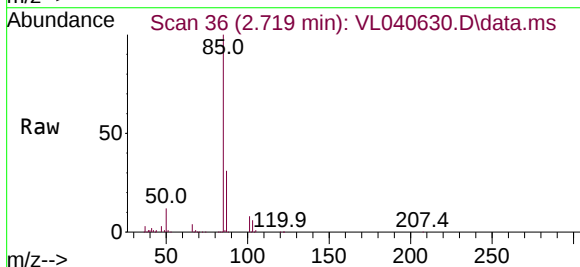


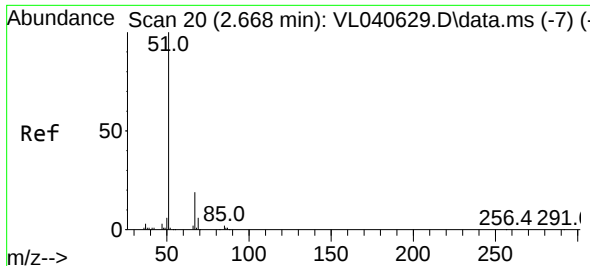
Tgt Ion: 49 Resp: 1067735
Ion Ratio Lower Upper
49 100
128 51.0 24.9 74.7
130 64.2 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 2.143 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 85 Resp: 492751
Ion Ratio Lower Upper
85 100
87 31.2 27.5 41.3

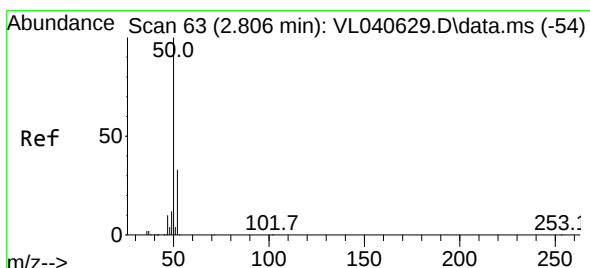
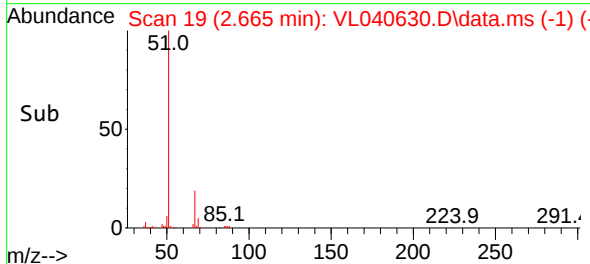
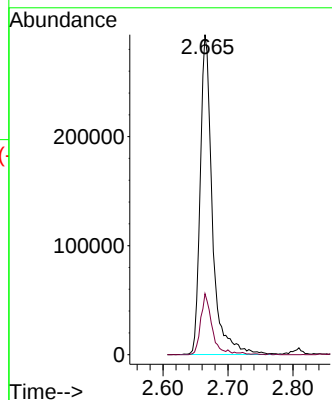
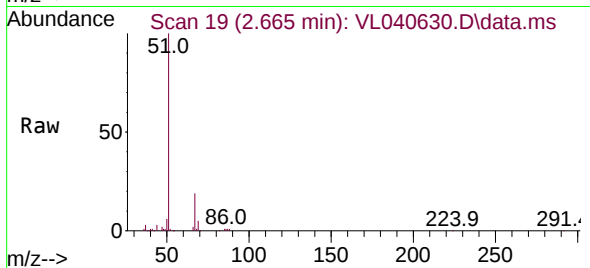




#3
Chlorodifluoromethane
Concen: 2.174 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

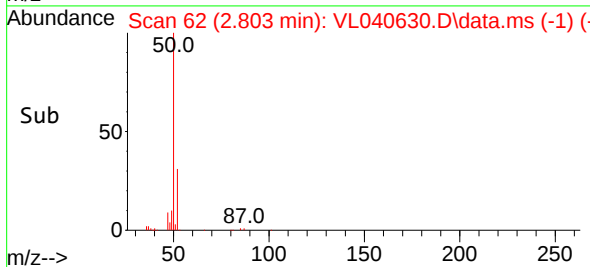
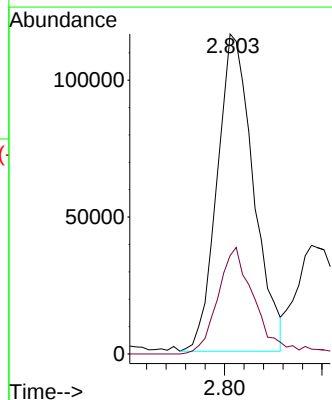
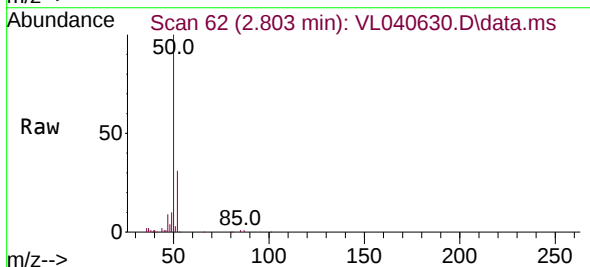
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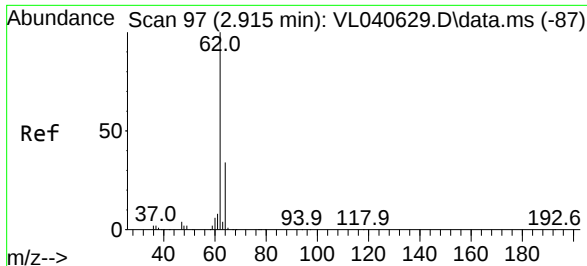
Tgt Ion: 51 Resp: 381055
Ion Ratio Lower Upper
51 100
67 18.5 15.0 22.6



#4
Chloromethane
Concen: 2.195 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 50 Resp: 150103
Ion Ratio Lower Upper
50 100
52 31.0 26.2 39.2

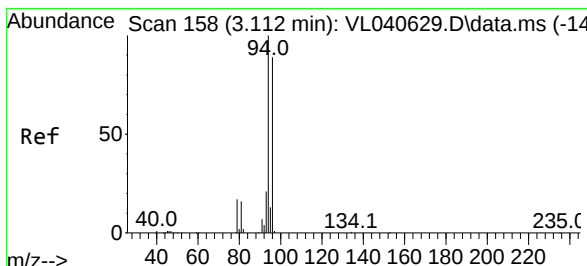
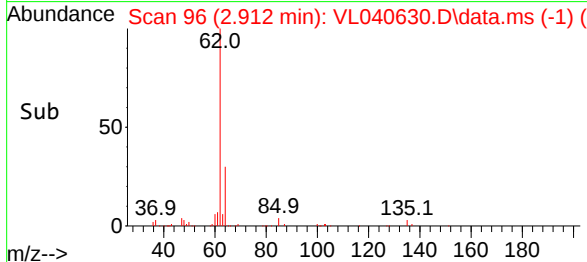
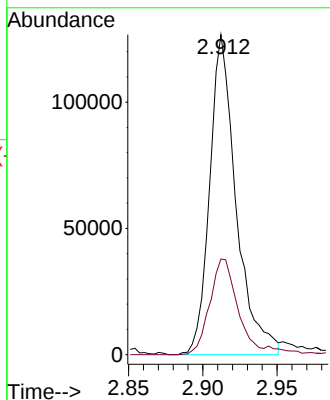
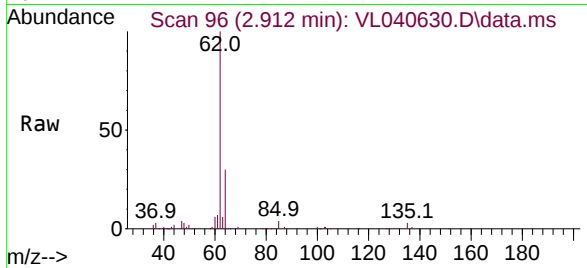




#5
 Vinyl Chloride
 Concen: 2.164 ppbv
 RT: 2.912 min Scan# 97
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

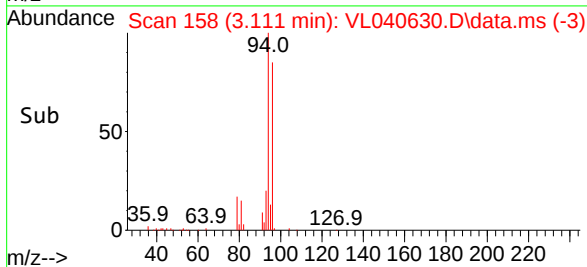
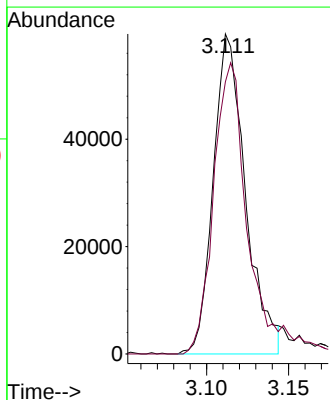
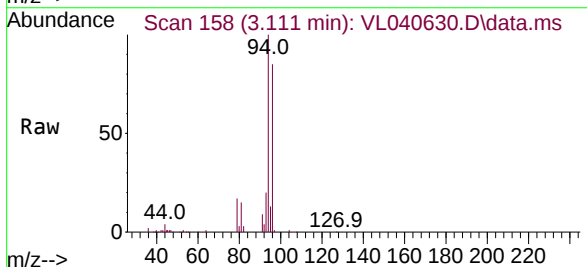
Instrument :
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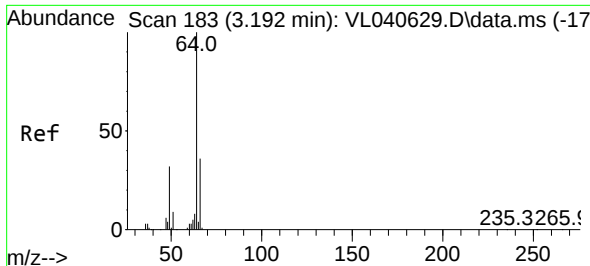
Tgt Ion: 62 Resp: 157093
 Ion Ratio Lower Upper
 62 100
 64 29.9 27.0 40.6



#6
 Bromomethane
 Concen: 2.127 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Tgt Ion: 94 Resp: 81396
 Ion Ratio Lower Upper
 94 100
 96 85.1 71.5 107.3

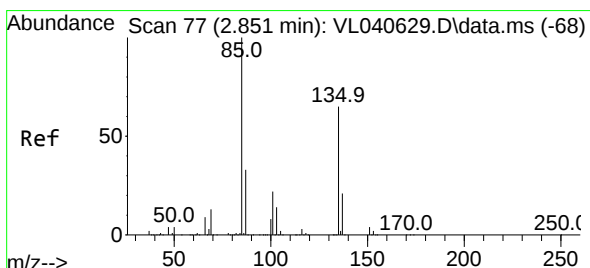
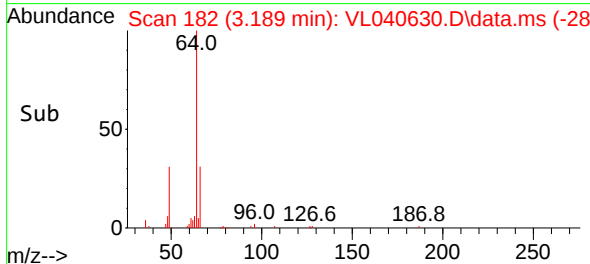
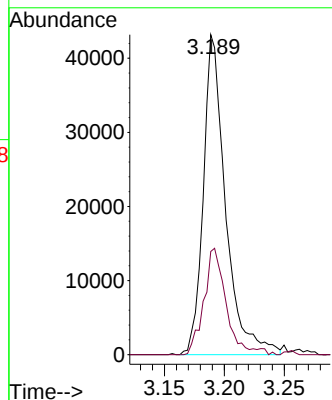
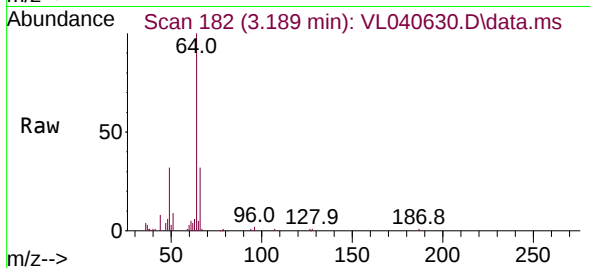




#7
Chloroethane
Concen: 2.106 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

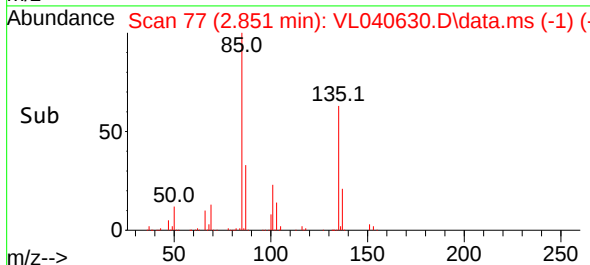
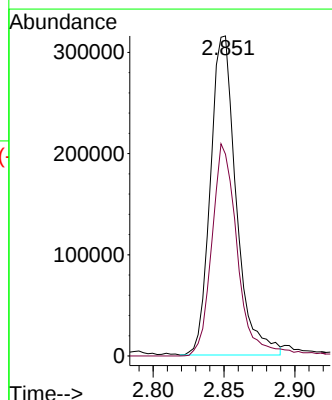
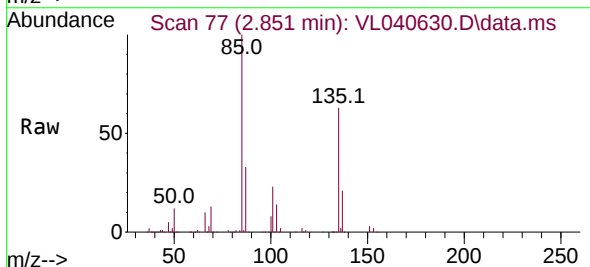
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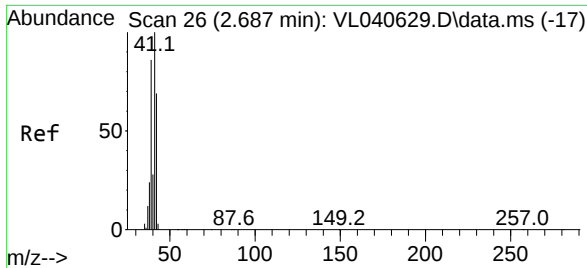
Tgt Ion: 64 Resp: 55772
Ion Ratio Lower Upper
64 100
66 32.3 28.7 43.1



#8
Dichlorotetrafluoroethane
Concen: 2.149 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 85 Resp: 399928
Ion Ratio Lower Upper
85 100
135 67.5 52.8 79.2

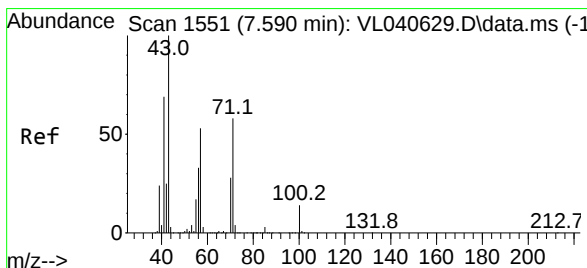
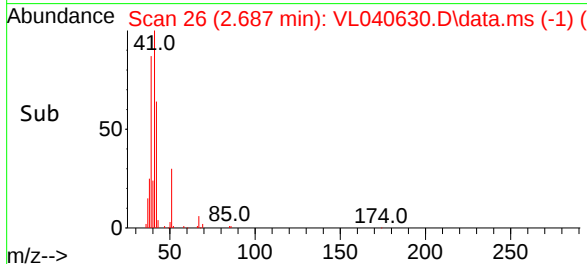
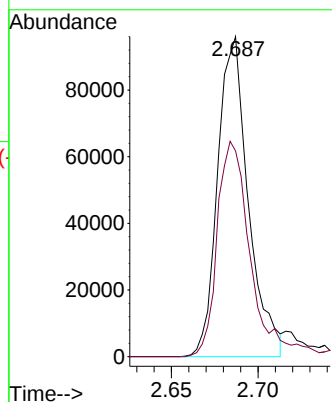
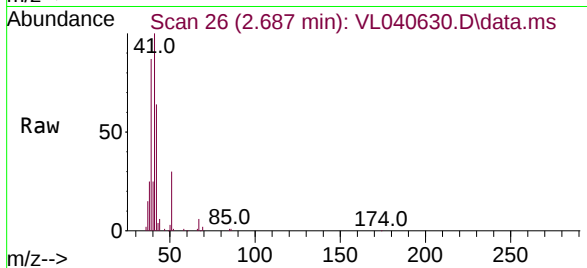




#9
 Propene
 Concen: 2.178 ppbv
 RT: 2.687 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

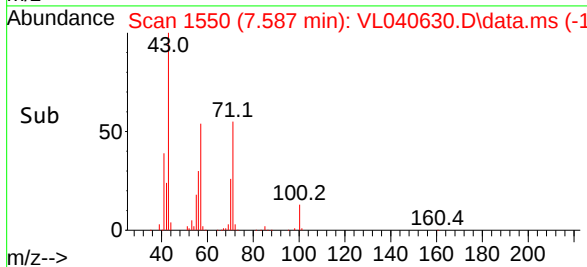
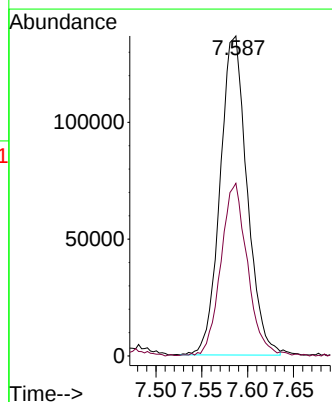
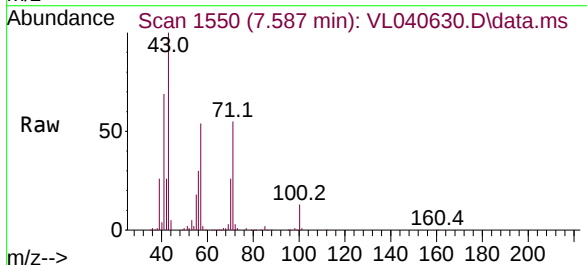
Instrument :
 MSVOA_L
 ClientSampleId :

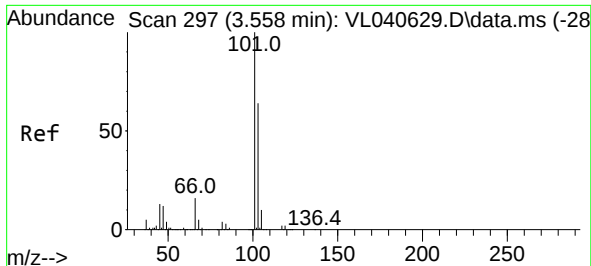
Tgt Ion: 41 Resp: 118292
 Ion Ratio Lower Upper
 41 100
 42 75.2 56.5 84.7



#10
 Heptane
 Concen: 2.235 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Tgt Ion: 43 Resp: 279561
 Ion Ratio Lower Upper
 43 100
 57 53.8 42.5 63.7

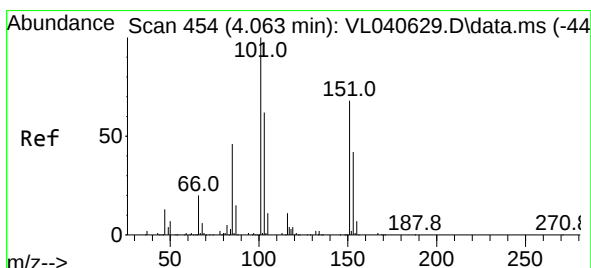
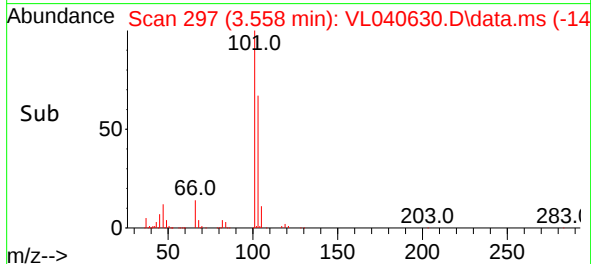
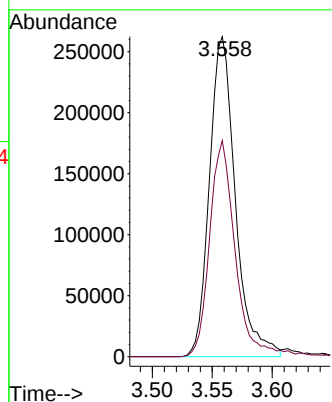
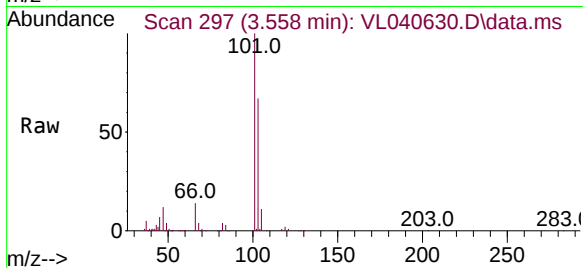




#11
 Trichlorofluoromethane
 Concen: 2.123 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. -0.000 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

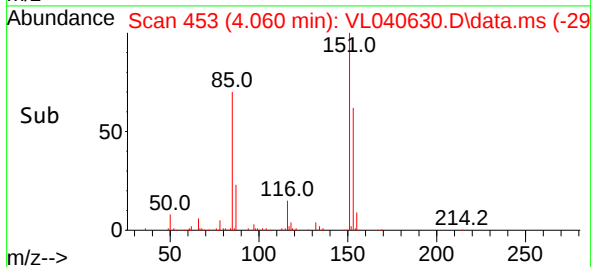
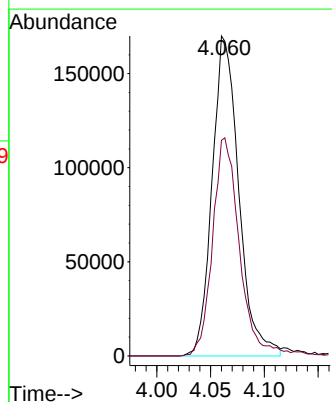
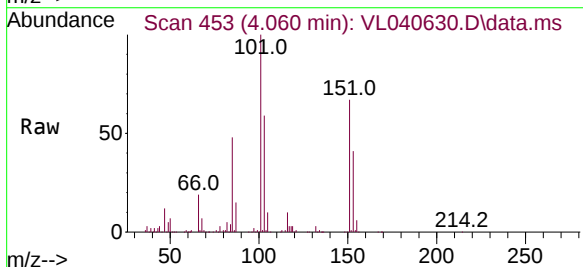
Instrument :
 MSVOA_L
 ClientSampleId :

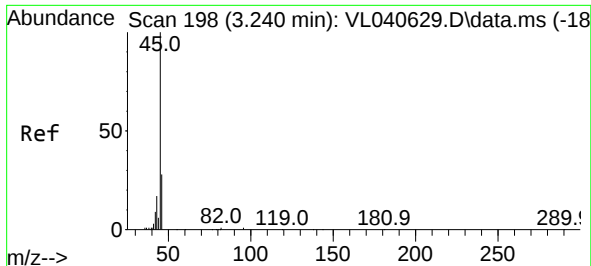
Tgt Ion:101 Resp: 394078
 Ion Ratio Lower Upper
 101 100
 103 67.5 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.148 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Tgt Ion:101 Resp: 292669
 Ion Ratio Lower Upper
 101 100
 151 69.6 56.2 84.2

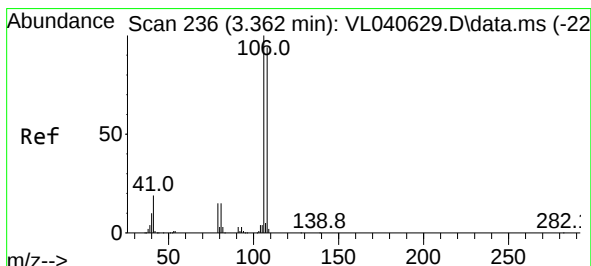
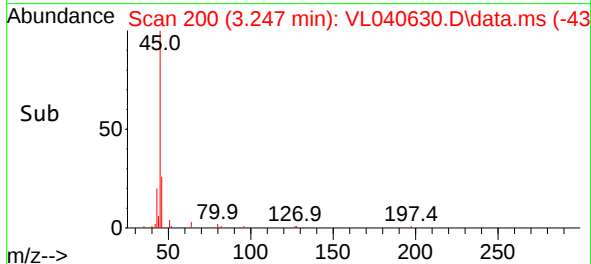
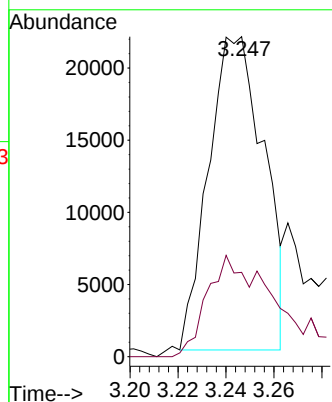
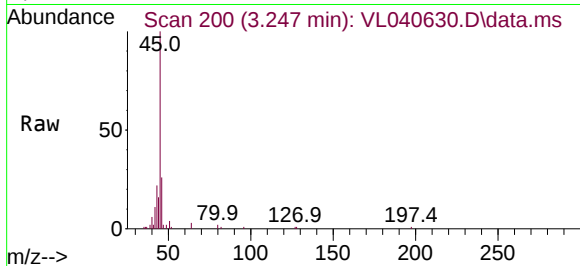




#13
Ethanol
Concen: 2.672 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

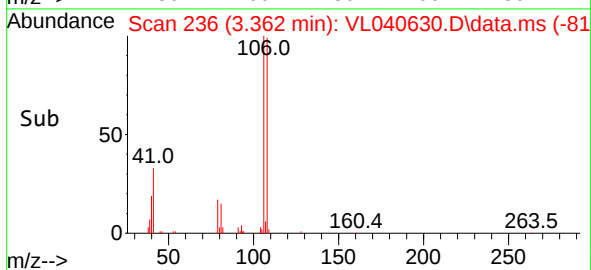
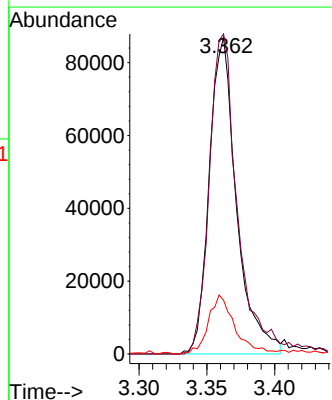
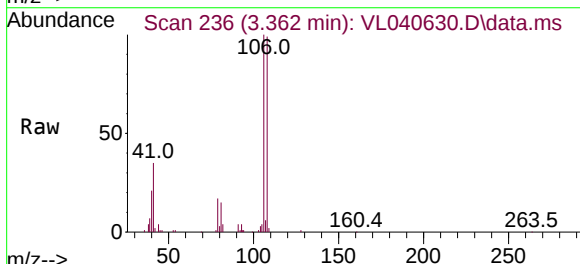
Instrument :
MSVOA_L
ClientSampleId :

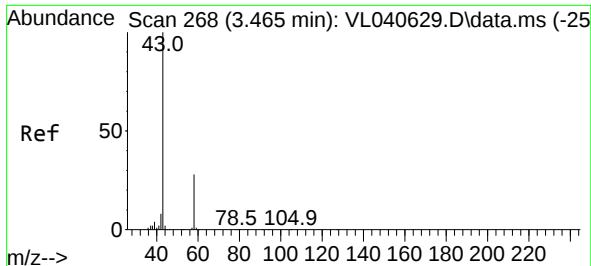
Tgt Ion: 45 Resp: 34811
Ion Ratio Lower Upper
45 100
46 45.9 14.2 56.6



#14
Bromoethene
Concen: 2.177 ppbv
RT: 3.362 min Scan# 236
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 108 Resp: 121836
Ion Ratio Lower Upper
108 100
106 106.4 87.3 130.9
79 18.6 14.4 21.6

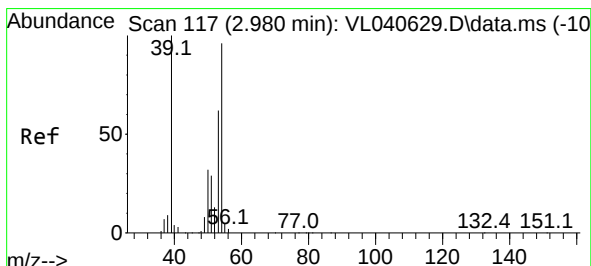
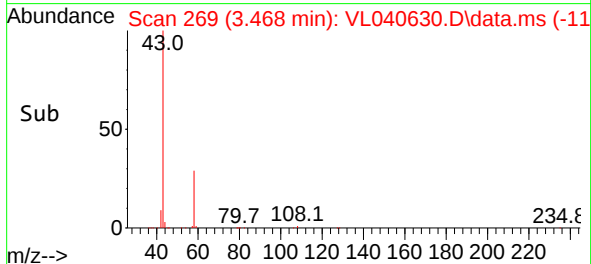
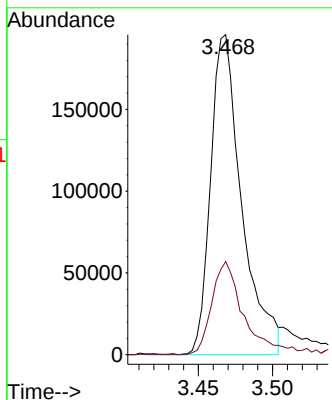
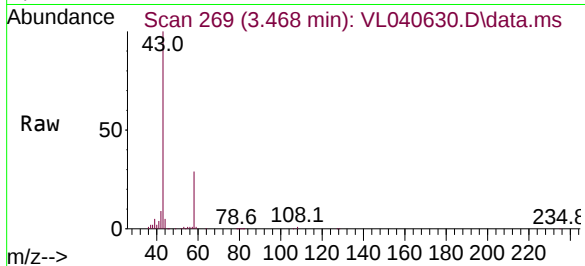




#15
Acetone
Concen: 2.184 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

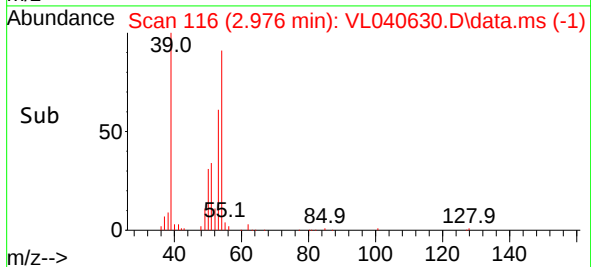
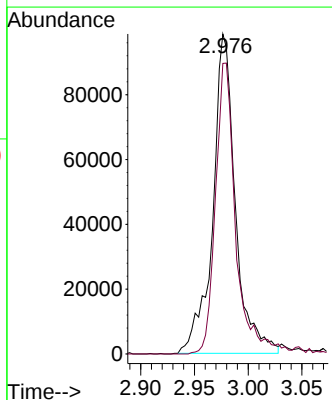
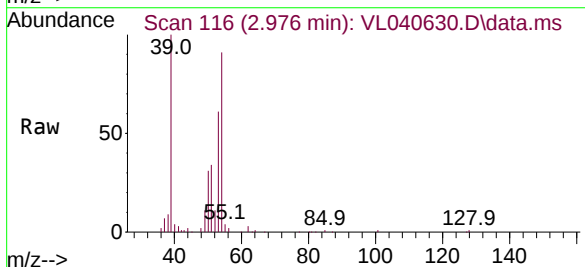
Instrument :
MSVOA_L
ClientSampleId :

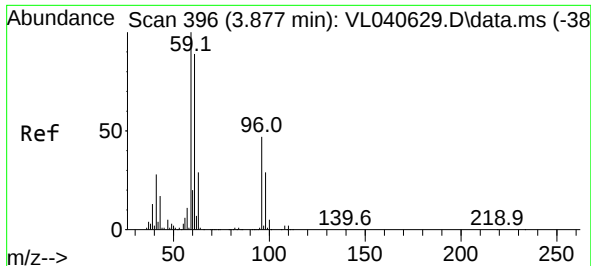
Tgt Ion: 43 Resp: 285227
Ion Ratio Lower Upper
43 100
58 31.1 22.4 33.6



#16
1,3-Butadiene
Concen: 2.219 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 39 Resp: 144144
Ion Ratio Lower Upper
39 100
54 83.4 66.6 99.8





#17

tert-Butyl alcohol

Concen: 2.103 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.000 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

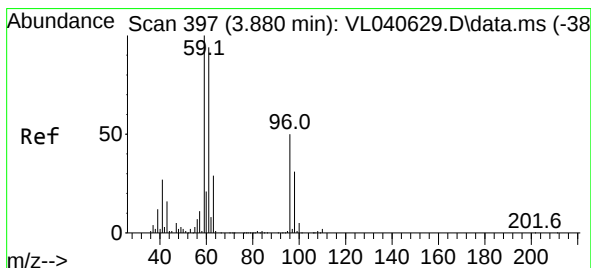
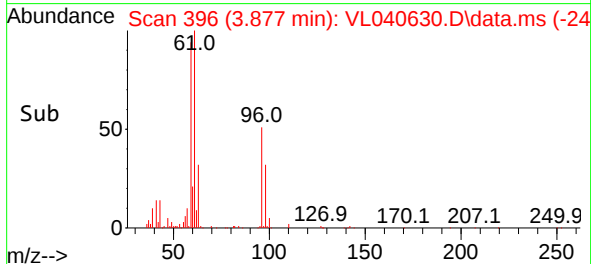
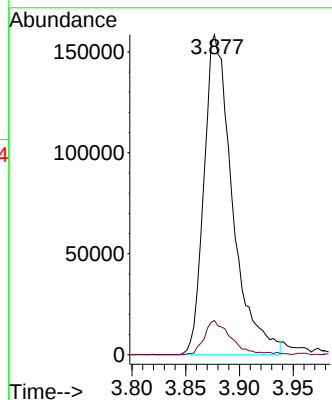
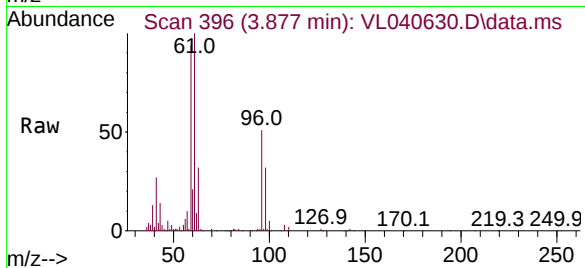
ClientSampleId :

Tgt Ion: 59 Resp: 291223

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 2.140 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.006 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

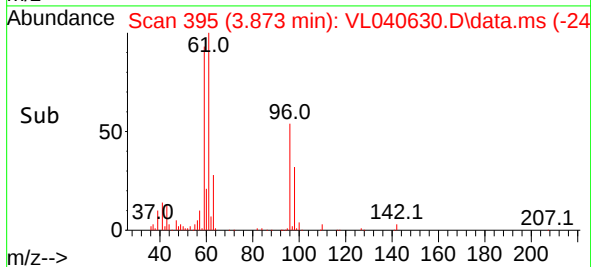
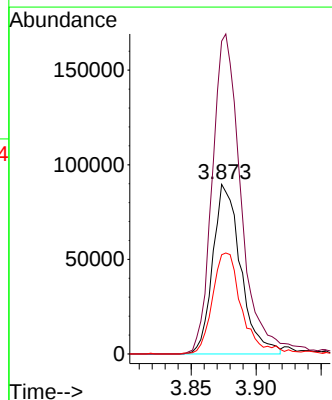
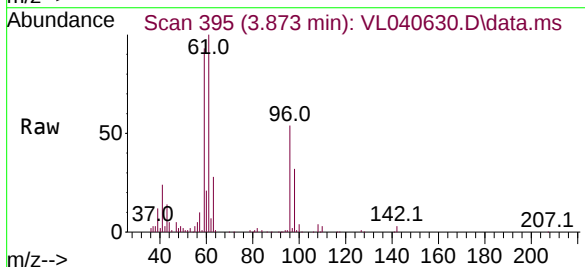
Tgt Ion: 96 Resp: 133656

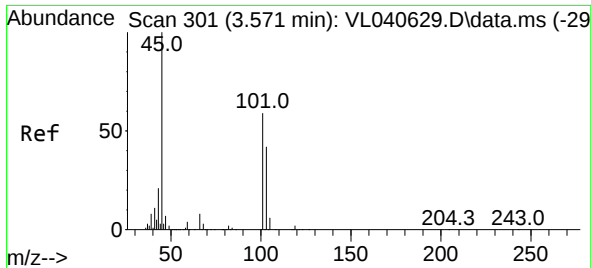
Ion Ratio Lower Upper

96 100

61 184.4 150.4 225.6

98 58.5 49.7 74.5





#19

Isopropyl Alcohol

Concen: 2.193 ppbv

RT: 3.574 min Scan# 301

Delta R.T. 0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

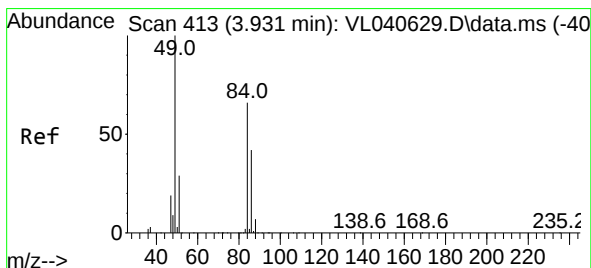
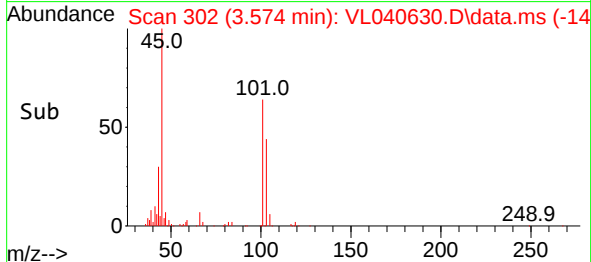
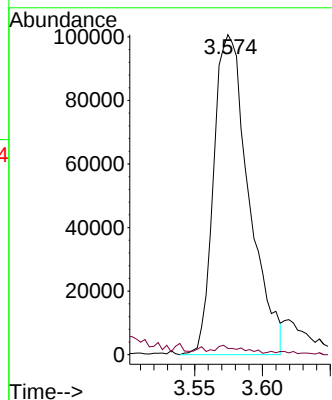
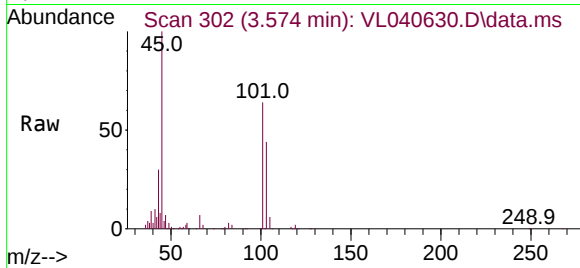
ClientSampleId :

Tgt Ion: 45 Resp: 181602

Ion Ratio Lower Upper

45 100

58 4.0 1.9 2.9#



#20

Methylene Chloride

Concen: 2.067 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.000 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Tgt Ion: 84 Resp: 131923

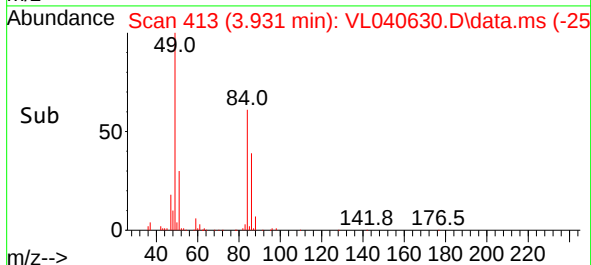
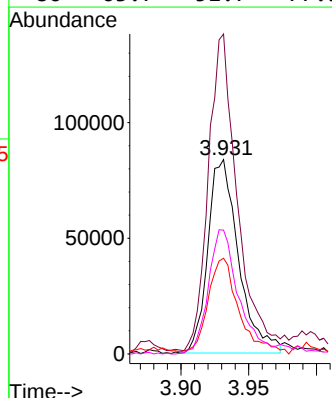
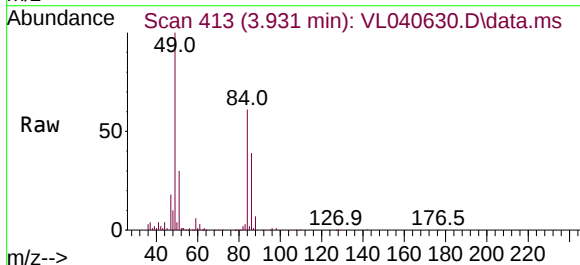
Ion Ratio Lower Upper

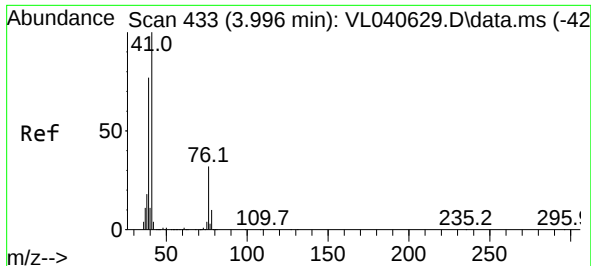
84 100

49 163.4 122.1 183.1

51 48.4 35.4 53.2

86 63.7 51.7 77.5





#21

Allyl Chloride

Concen: 2.115 ppbv

RT: 3.996 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

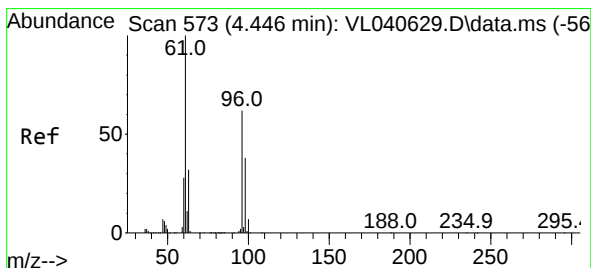
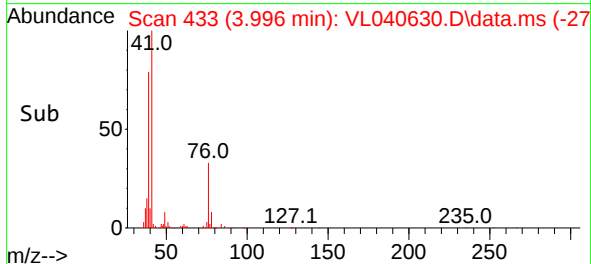
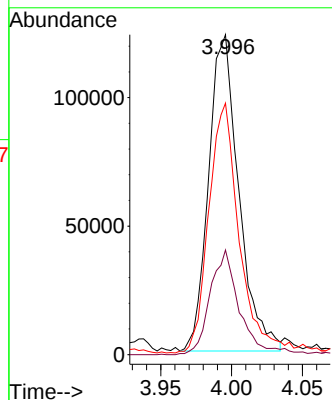
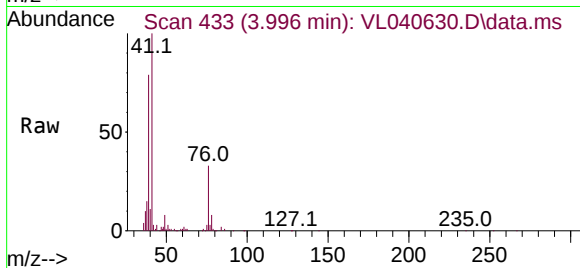
Tgt Ion: 41 Resp: 182740

Ion Ratio Lower Upper

41 100

76 32.1 25.5 38.3

39 81.3 61.8 92.6



#22

trans-1,2-Dichloroethene

Concen: 2.101 ppbv

RT: 4.446 min Scan# 573

Delta R.T. -0.000 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

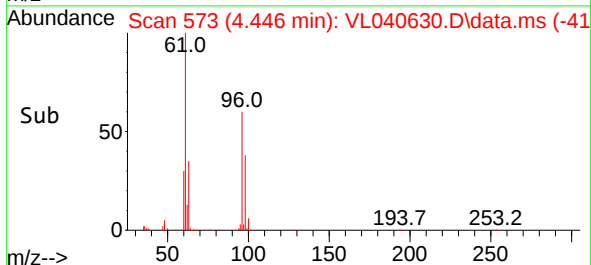
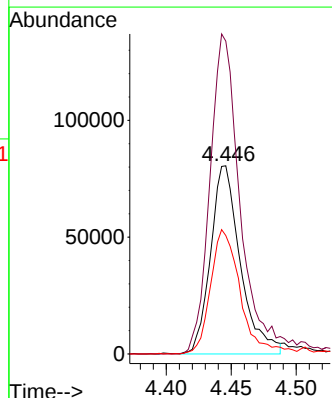
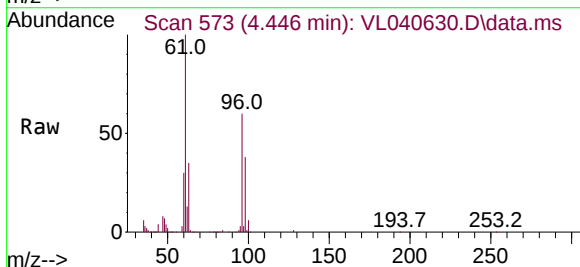
Tgt Ion: 96 Resp: 128785

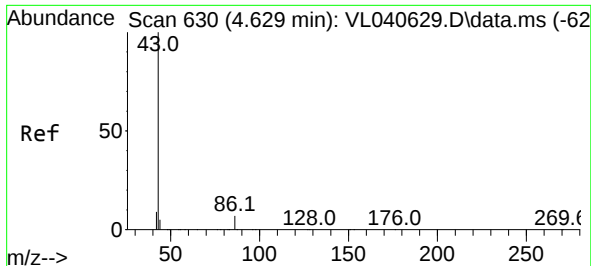
Ion Ratio Lower Upper

96 100

61 166.0 128.1 192.1

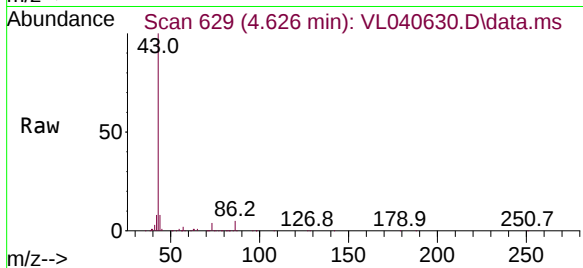
98 62.9 48.1 72.1



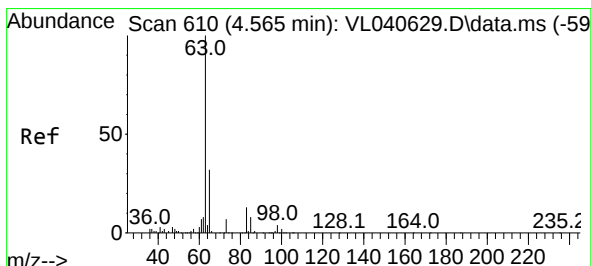
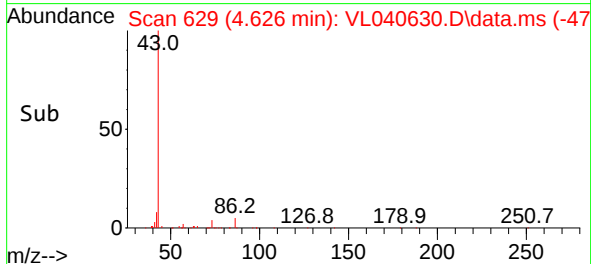
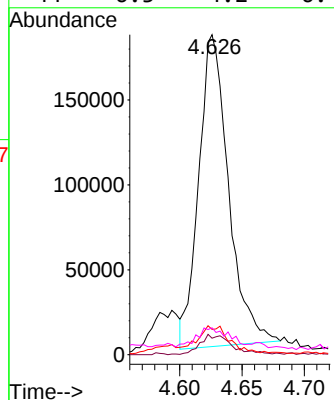


#23
 Vinyl Acetate
 Concen: 2.141 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Instrument :
 MSVOA_L
 ClientSampleId :

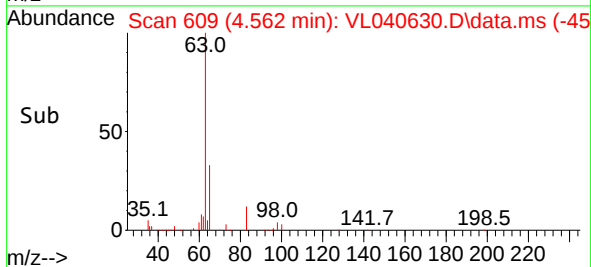
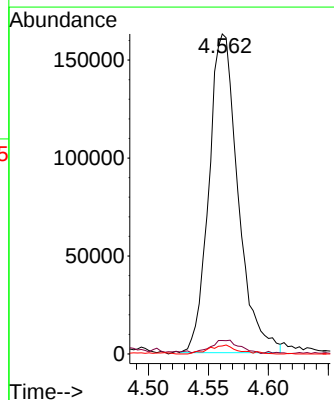
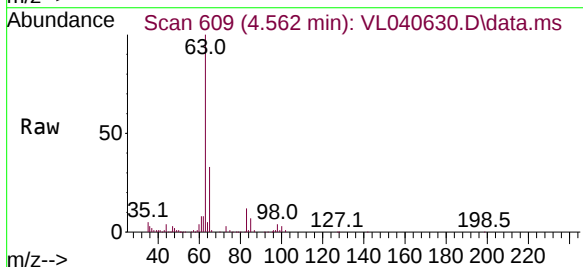


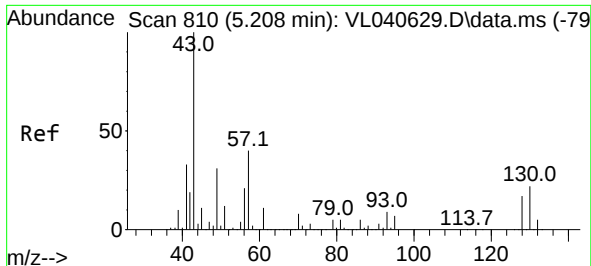
Tgt Ion	Ratio	Lower	Upper
43	100		
86	5.2	5.0	7.6
42	7.6	7.8	11.8
44	6.3	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 2.160 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.0	6.0
100	2.5	1.1	3.3



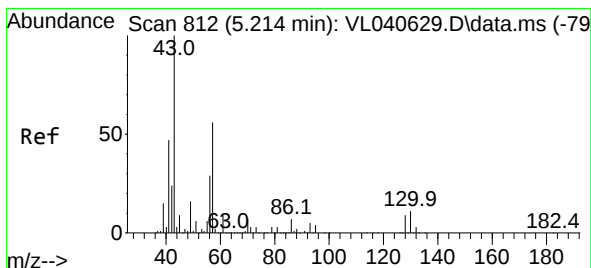
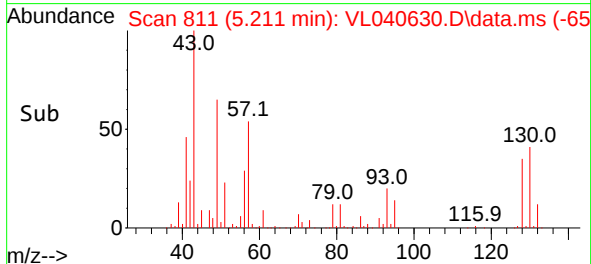
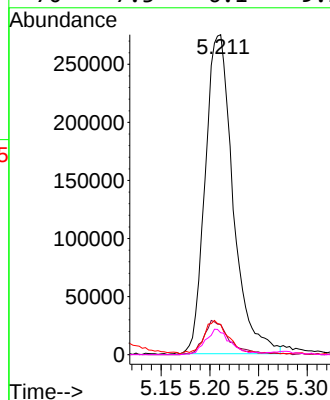
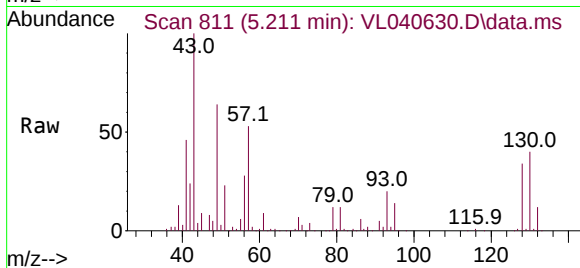


#25
Ethyl Acetate
Concen: 2.226 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 545873

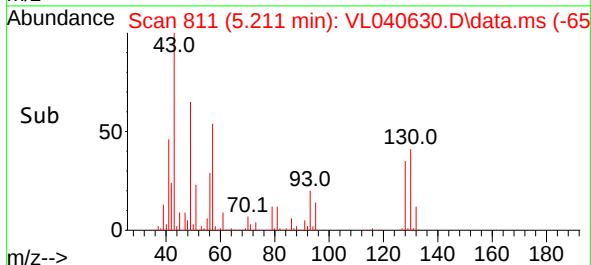
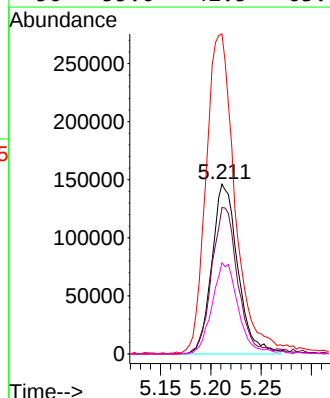
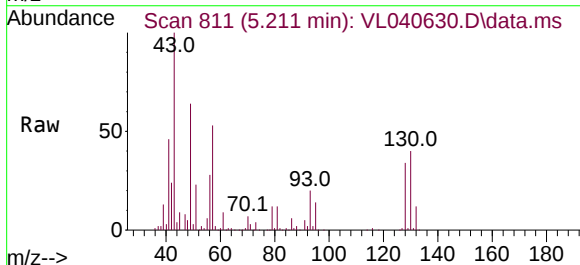
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.3	8.3	12.5
70	7.3	6.1	9.1

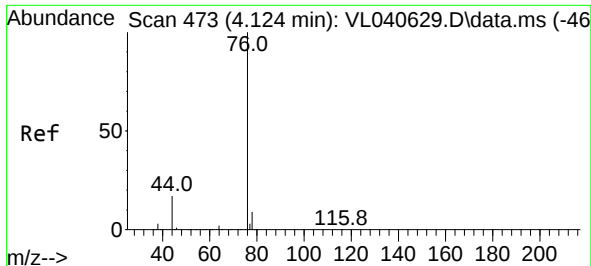


#26
Hexane
Concen: 2.211 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 57 Resp: 262402

Ion	Ratio	Lower	Upper
57	100		
41	86.8	69.3	103.9
43	215.0	177.9	266.9
56	55.0	42.5	63.7

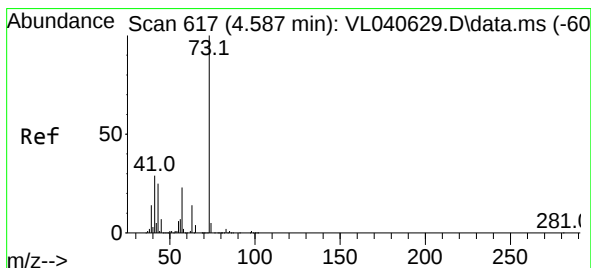
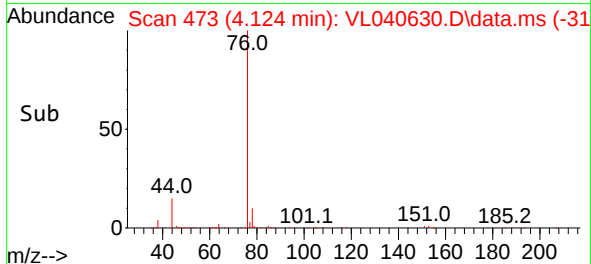
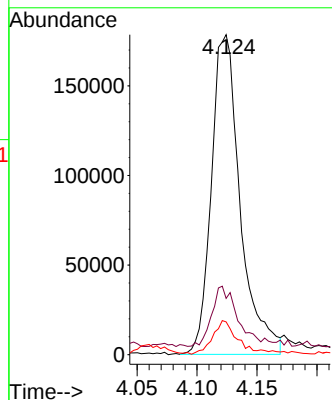
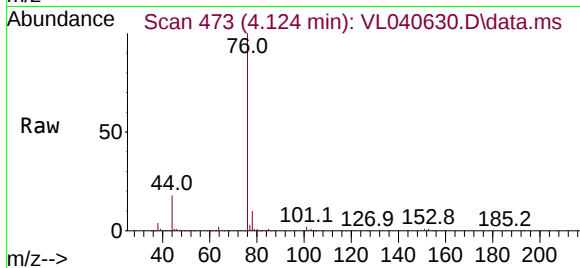




#27
Carbon Disulfide
Concen: 2.110 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

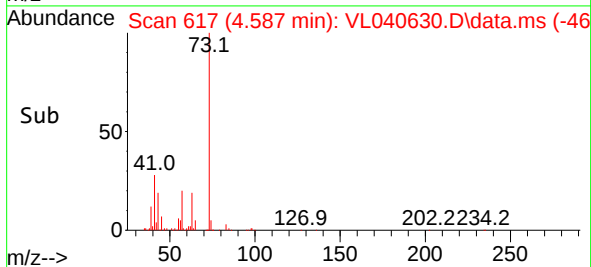
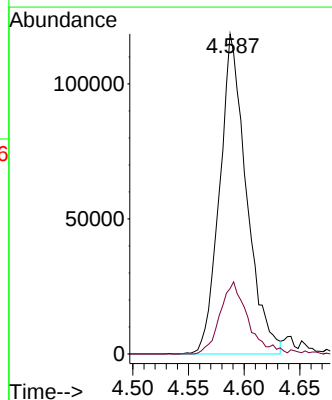
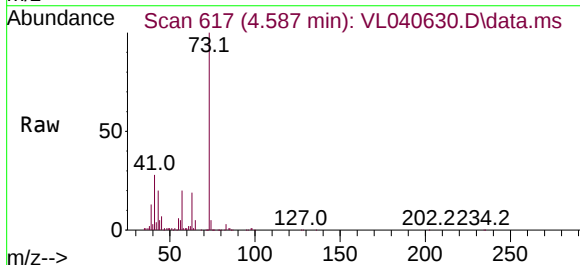
Instrument :
MSVOA_L
ClientSampleId :

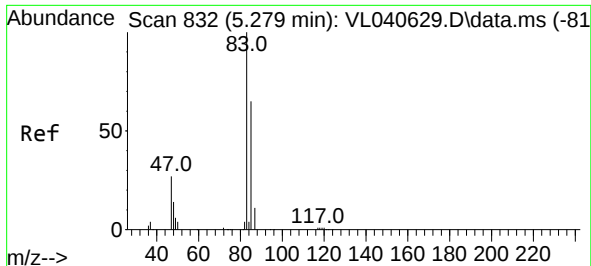
Tgt Ion: 76 Resp: 298037
Ion Ratio Lower Upper
76 100
44 18.3 14.3 21.5
78 10.2 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 2.163 ppbv
RT: 4.587 min Scan# 617
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 73 Resp: 198478
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3





#29

Chloroform

Concen: 2.125 ppbv

RT: 5.275 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

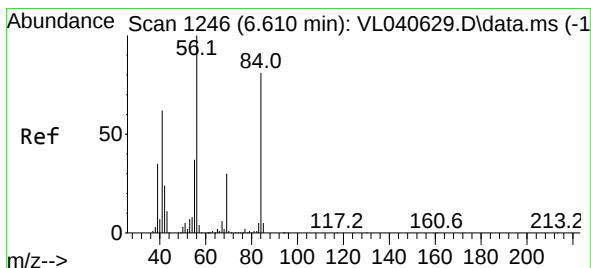
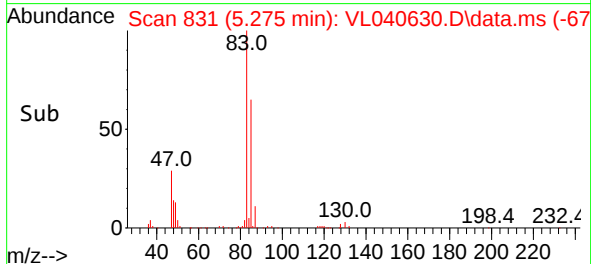
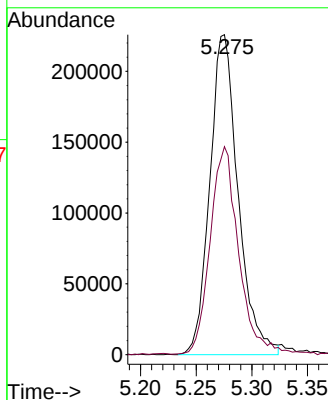
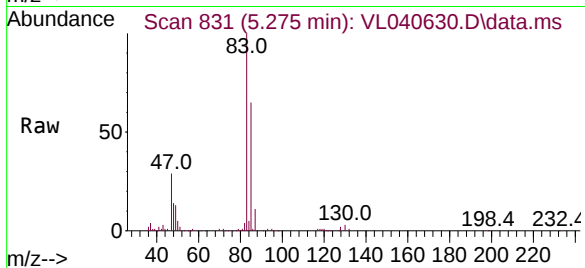
ClientSampleId :

Tgt Ion: 83 Resp: 399243

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2



#30

Cyclohexane

Concen: 2.316 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

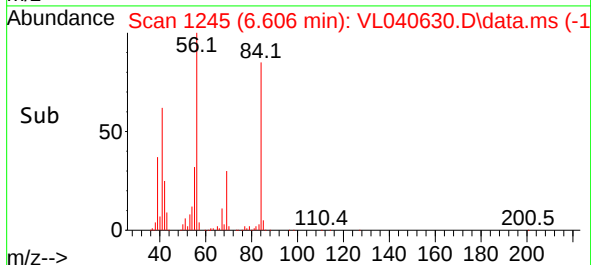
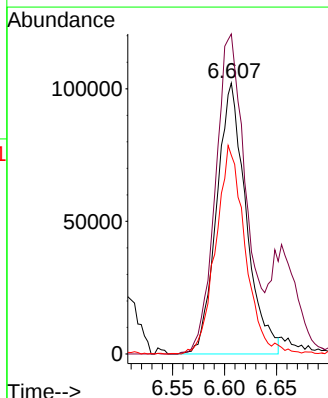
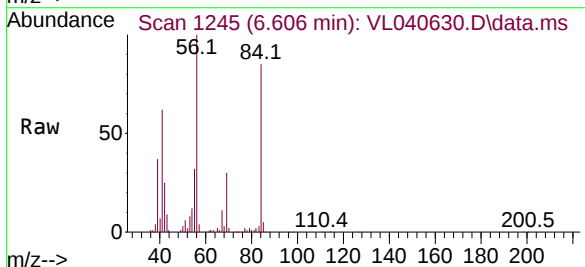
Tgt Ion: 84 Resp: 201443

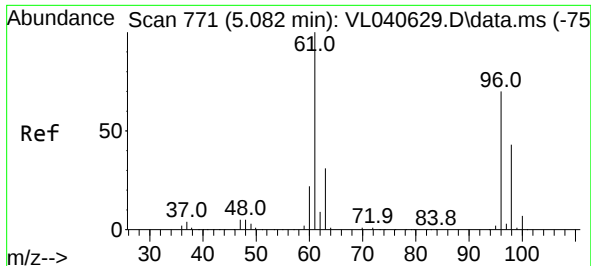
Ion Ratio Lower Upper

84 100

56 119.1 105.4 158.2

41 77.4 64.2 96.2

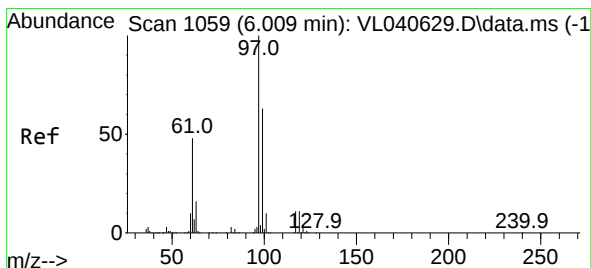
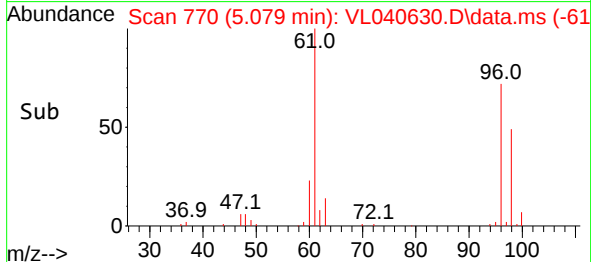
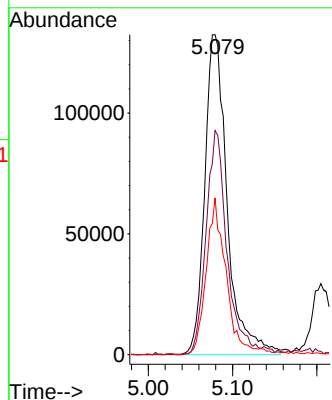
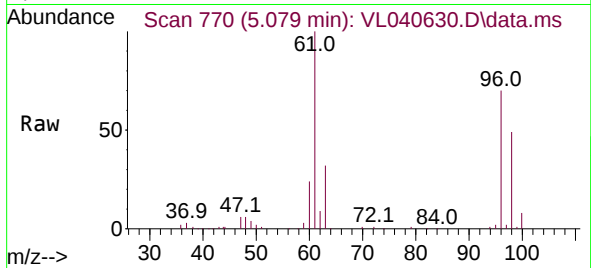




#31
 cis-1,2-Dichloroethene
 Concen: 2.298 ppbv
 RT: 5.079 min Scan# 771
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

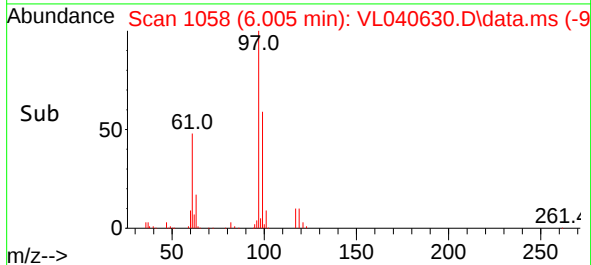
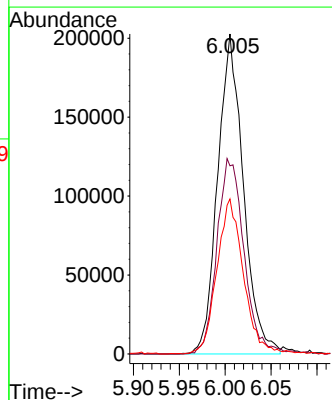
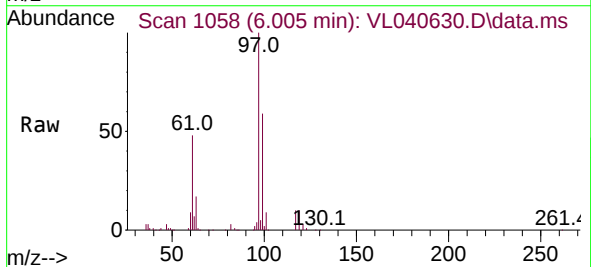
Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 61 Resp: 246117
 Ion Ratio Lower Upper
 61 100
 96 69.9 55.8 83.6
 98 49.0 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 2.188 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.003 min
 Lab File: VL040630.D
 Acq: 15 Aug 2023 10:57

Tgt Ion: 97 Resp: 394361
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 50.6 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.003 min

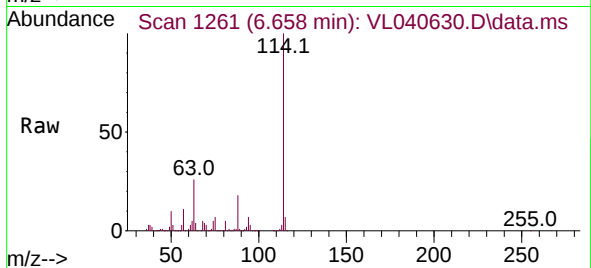
Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :



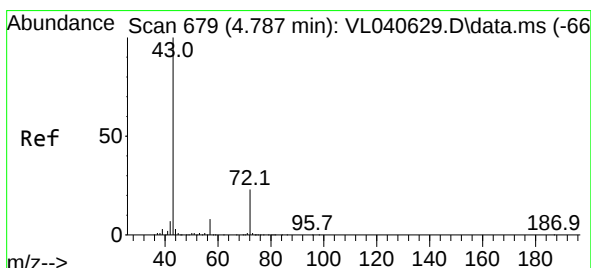
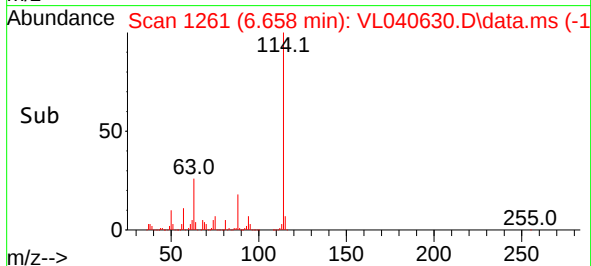
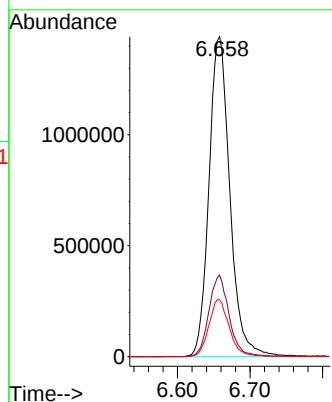
Tgt Ion:114 Resp: 2882339

Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.2

88 17.6 14.1 21.1



#34

2-Butanone

Concen: 2.205 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.000 min

Lab File: VL040630.D

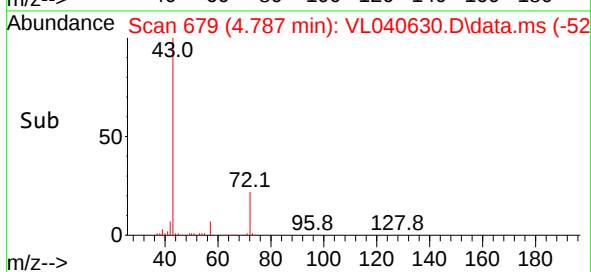
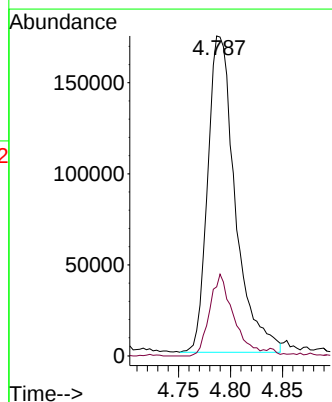
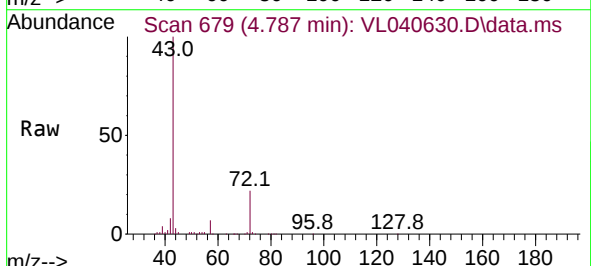
Acq: 15 Aug 2023 10:57

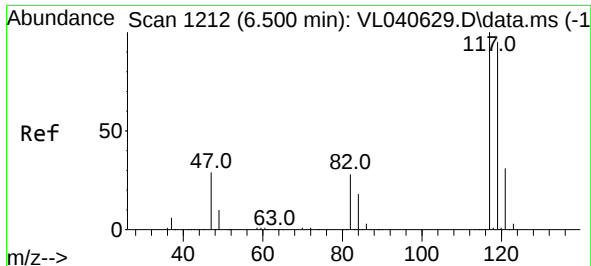
Tgt Ion: 43 Resp: 320516

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8

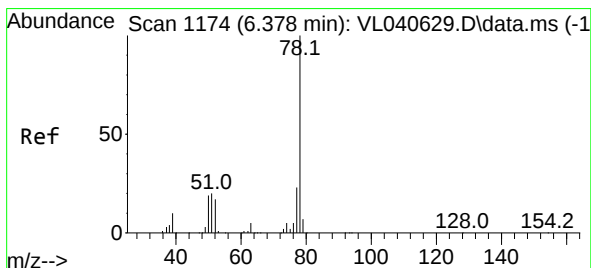
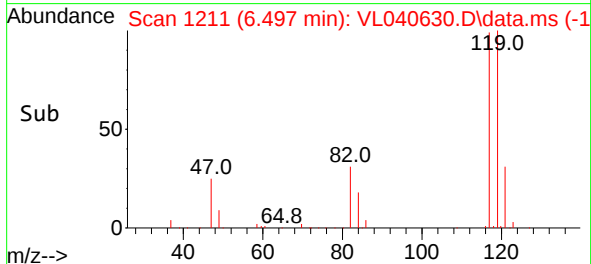
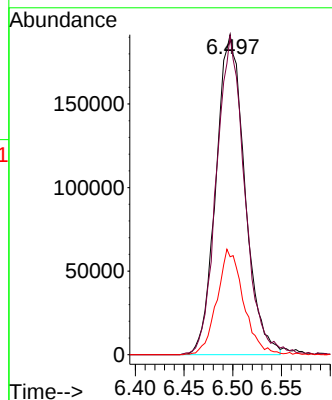
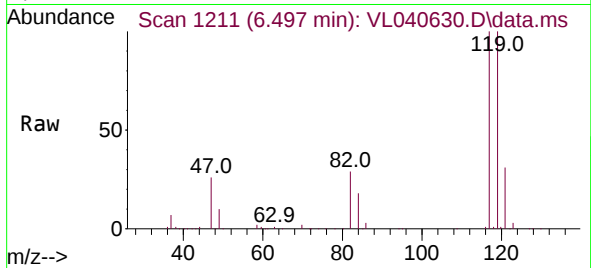




#35
Carbon Tetrachloride
Concen: 2.182 ppbv
RT: 6.497 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

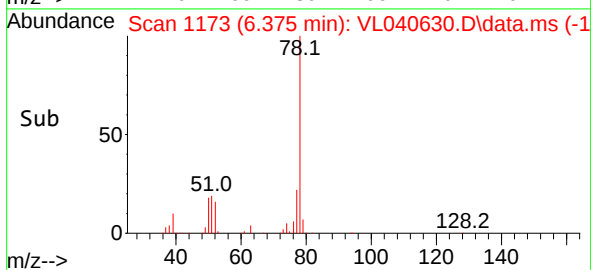
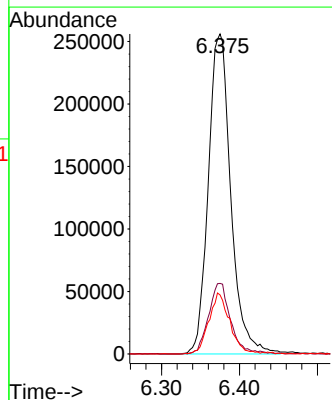
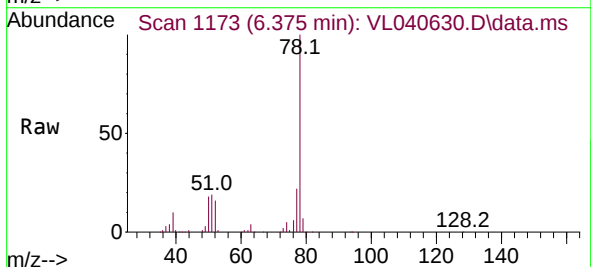
Instrument :
MSVOA_L
ClientSampleId :

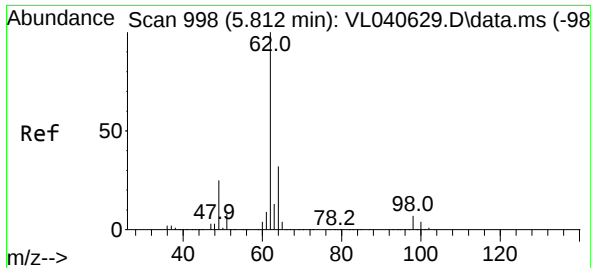
Tgt Ion:117 Resp: 394242
Ion Ratio Lower Upper
117 100
119 99.6 75.6 113.4
121 30.6 24.9 37.3



#36
Benzene
Concen: 2.240 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 78 Resp: 513733
Ion Ratio Lower Upper
78 100
77 22.1 18.2 27.2
50 18.5 15.0 22.6

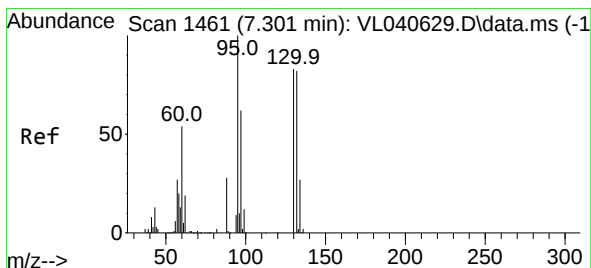
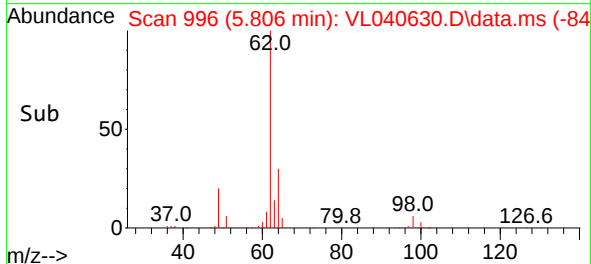
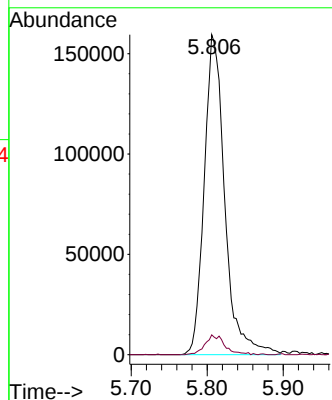
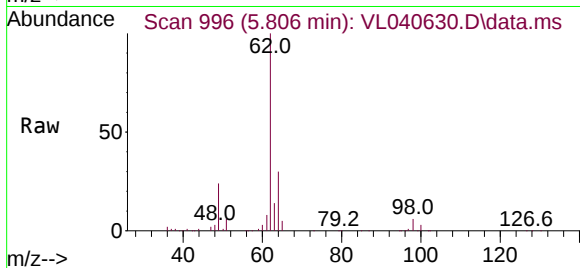




#37
1,2-Dichloroethane
Concen: 2.168 ppbv
RT: 5.806 min Scan# 998
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

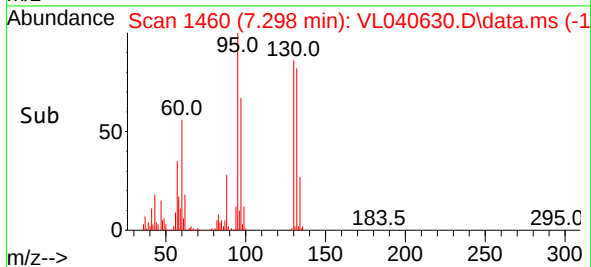
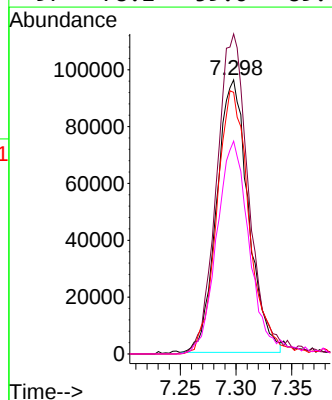
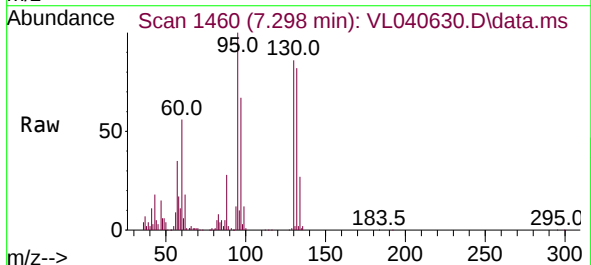
Instrument :
MSVOA_L
ClientSampleId :

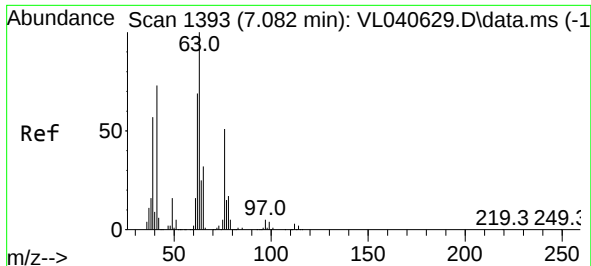
Tgt Ion: 62 Resp: 299815
Ion Ratio Lower Upper
62 100
98 6.0 4.9 7.3



#38
Trichloroethene
Concen: 2.121 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion:130 Resp: 189113
Ion Ratio Lower Upper
130 100
95 117.0 95.9 143.9
132 96.1 79.0 118.4
97 78.2 59.6 89.4





#39

1,2-Dichloropropane

Concen: 2.155 ppbv

RT: 7.079 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

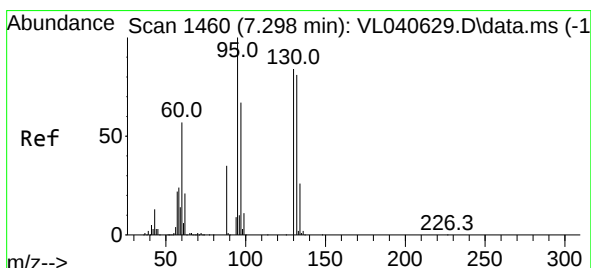
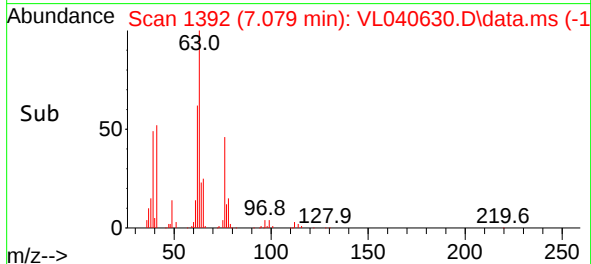
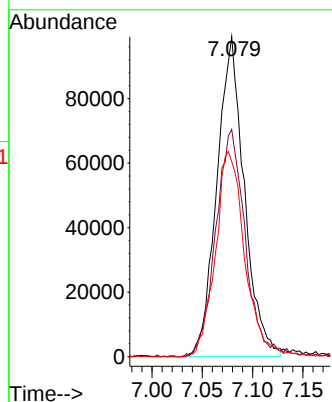
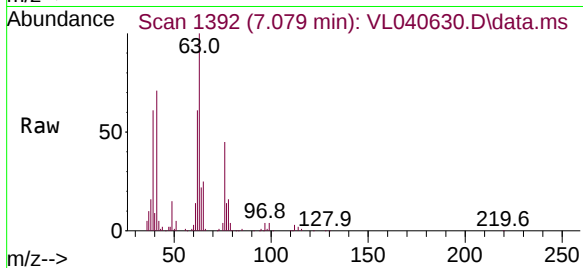
Tgt Ion: 63 Resp: 188036

Ion Ratio Lower Upper

63 100

41 71.0 58.2 87.2

62 60.9 55.0 82.4



#40

1,4-Dioxane

Concen: 1.032 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Tgt Ion: 88 Resp: 33808

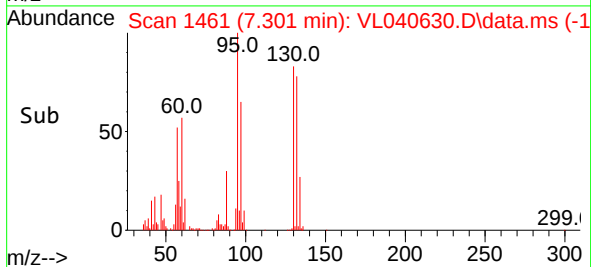
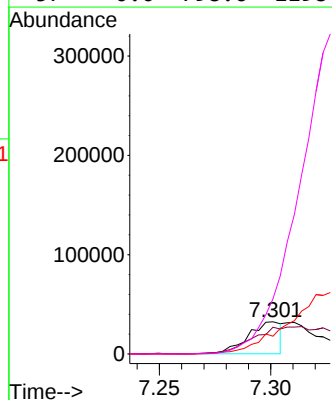
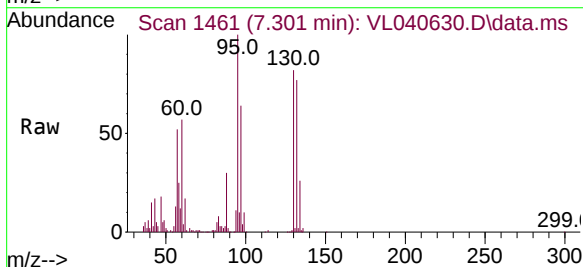
Ion Ratio Lower Upper

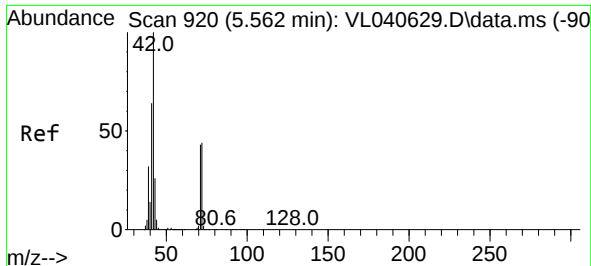
88 100

58 0.0 92.8 139.2#

43 0.0 179.1 268.7#

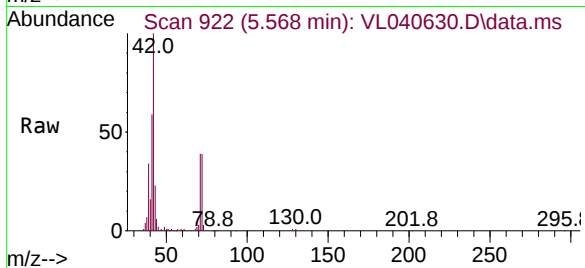
57 0.0 798.6 1198.0#



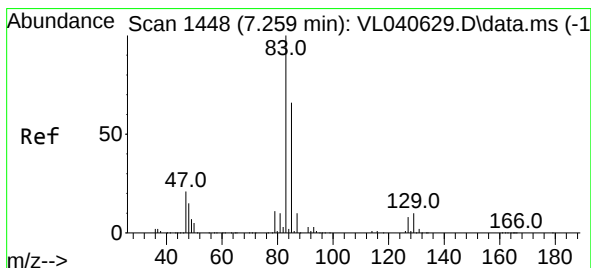
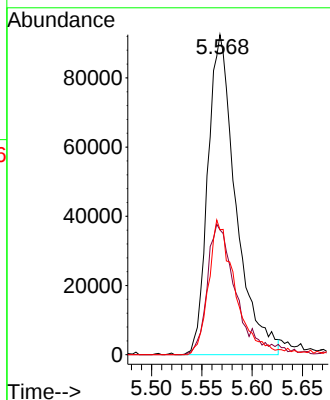
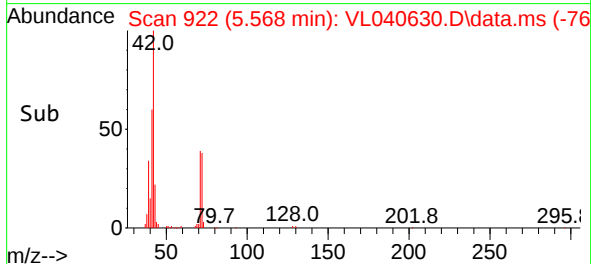


#41
Tetrahydrofuran
Concen: 2.188 ppbv
RT: 5.568 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

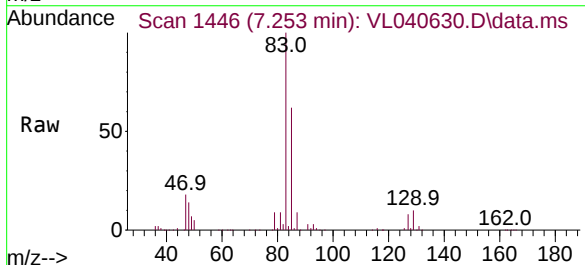
Instrument :
MSVOA_L
ClientSampleId :



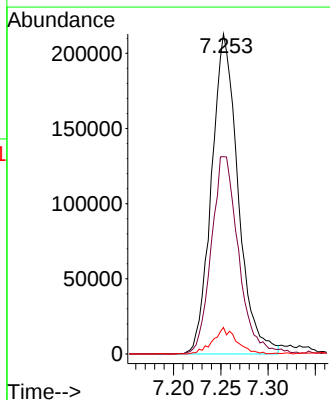
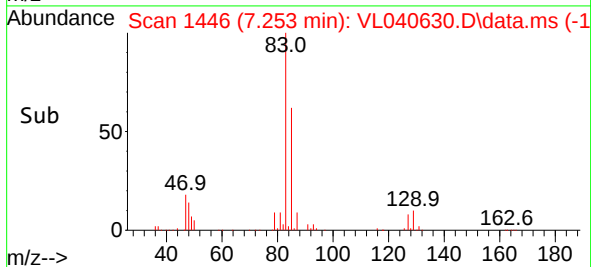
Tgt Ion: 42 Resp: 179000
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.4
71 40.8 33.4 50.0

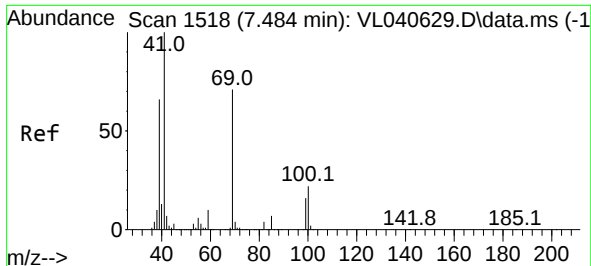


#42
Bromodichloromethane
Concen: 2.162 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57



Tgt Ion: 83 Resp: 416204
Ion Ratio Lower Upper
83 100
85 61.6 52.5 78.7
127 8.2 6.1 9.1

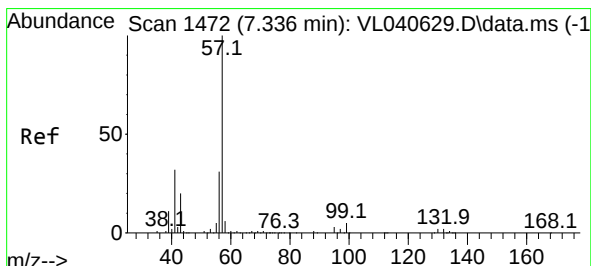
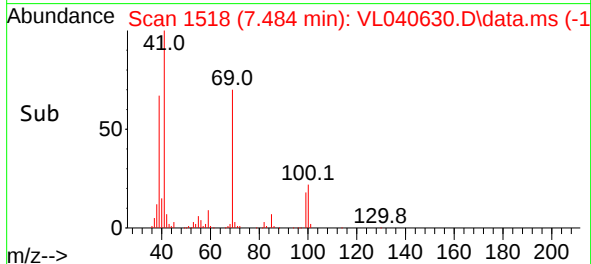
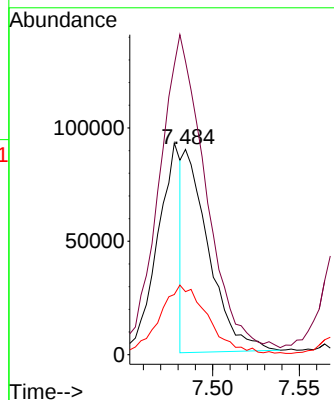
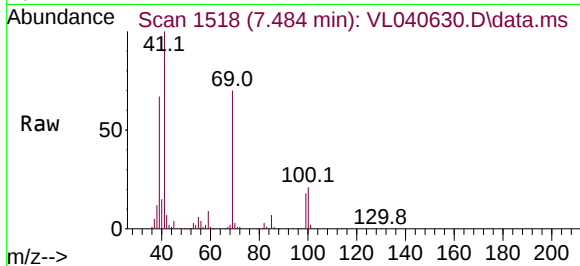




#43
Methyl Methacrylate
Concen: 1.072 ppbv
RT: 7.484 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

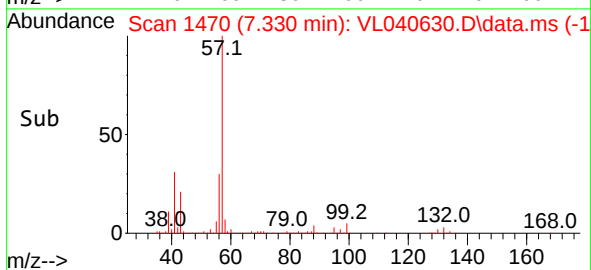
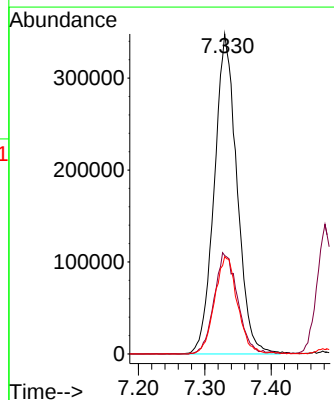
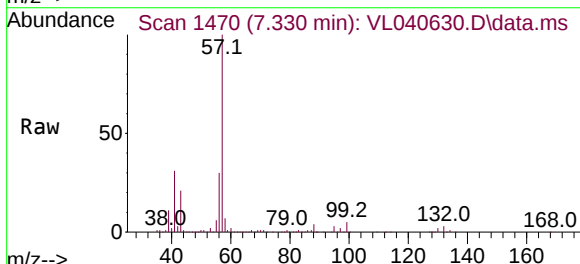
Instrument :
MSVOA_L
ClientSampleId :

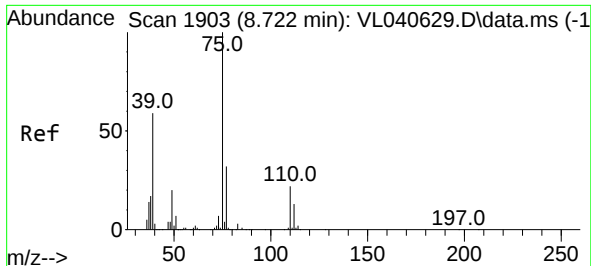
Tgt Ion: 69 Resp: 92036
Ion Ratio Lower Upper
69 100
41 291.3 111.8 167.8#
100 66.5 25.8 38.6#



#44
2,2,4-Trimethylpentane
Concen: 2.226 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 57 Resp: 825123
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.4
56 31.0 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 2.097 ppbv

RT: 8.722 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

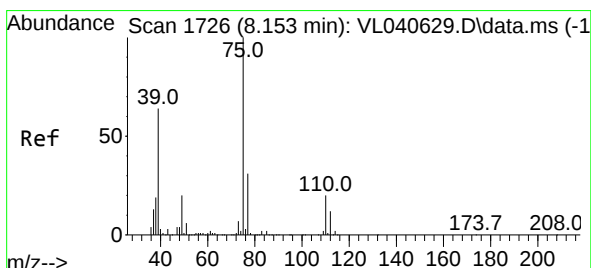
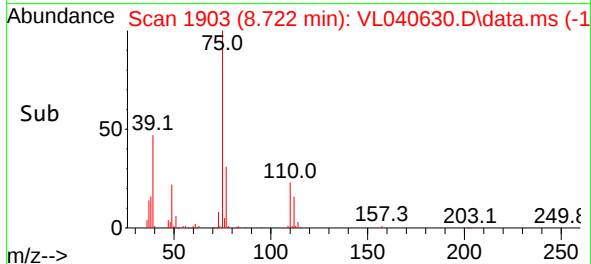
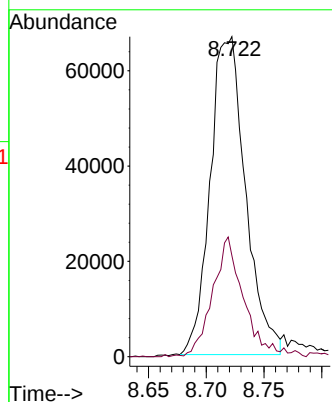
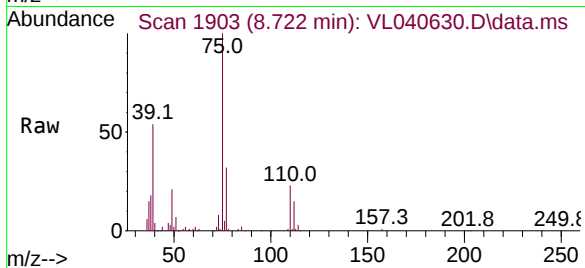
ClientSampleId :

Tgt Ion: 75 Resp: 141907

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 2.128 ppbv

RT: 8.150 min Scan# 1725

Delta R.T. -0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

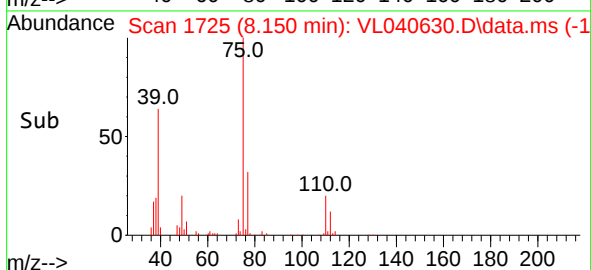
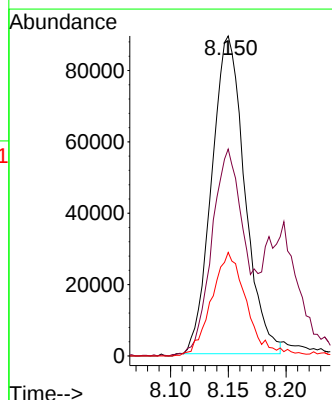
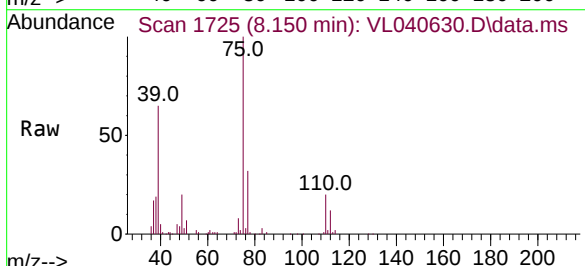
Tgt Ion: 75 Resp: 177407

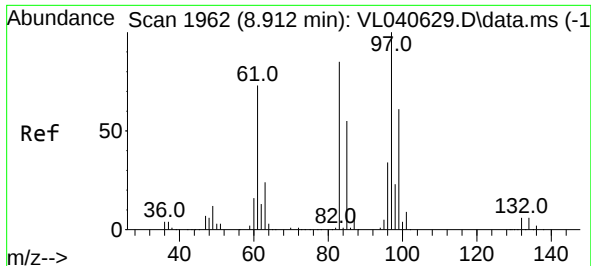
Ion Ratio Lower Upper

75 100

39 64.2 51.0 76.4

77 32.4 24.6 36.8





#47

1,1,2-Trichloroethane

Concen: 2.148 ppbv

RT: 8.902 min Scan# 1962

Delta R.T. -0.010 min

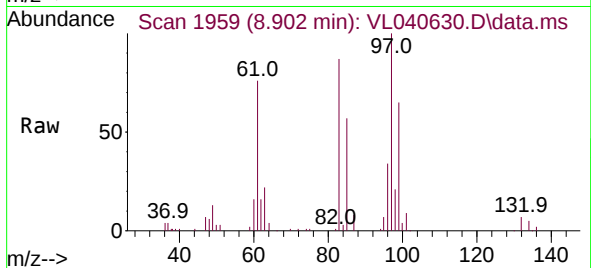
Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 211823

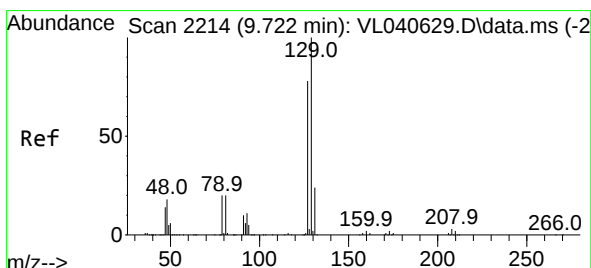
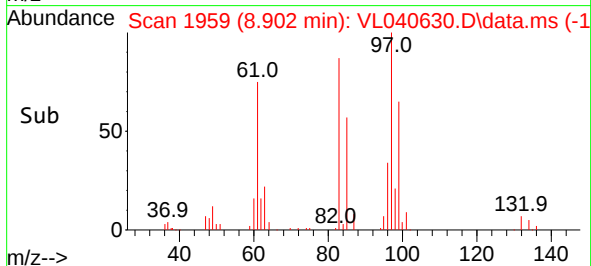
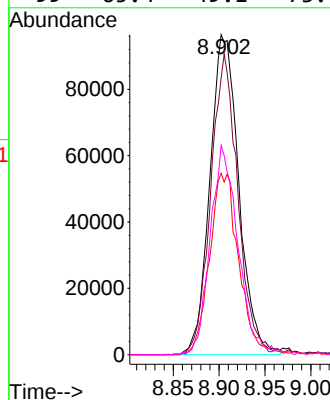
Ion Ratio Lower Upper

97 100

83 86.3 67.8 101.8

85 56.7 44.0 66.0

99 65.4 49.1 73.7



#48

Dibromochloromethane

Concen: 2.138 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. -0.010 min

Lab File: VL040630.D

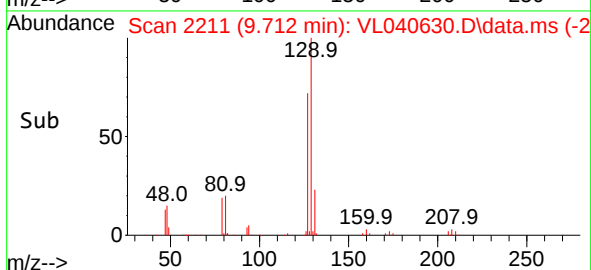
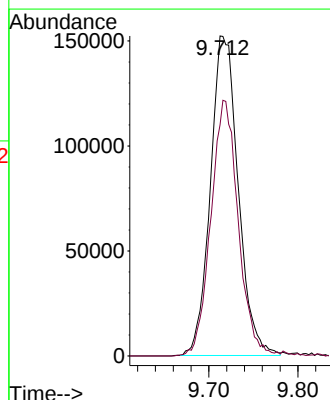
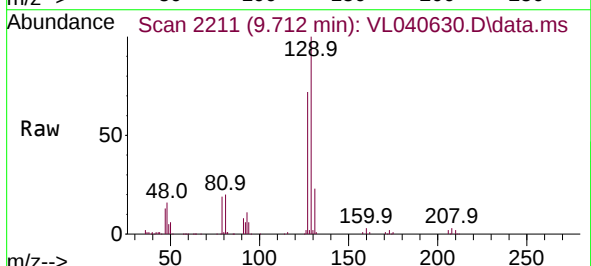
Acq: 15 Aug 2023 10:57

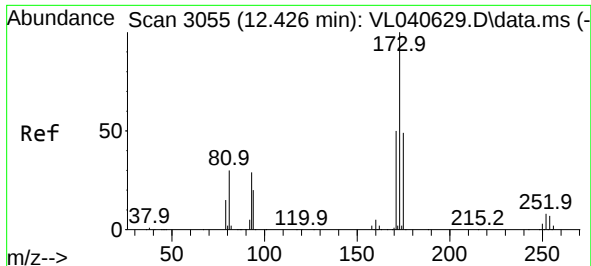
Tgt Ion: 129 Resp: 329920

Ion Ratio Lower Upper

129 100

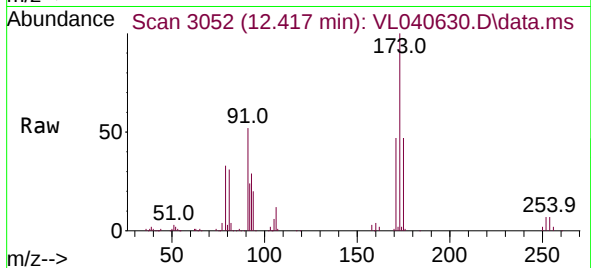
127 79.2 38.9 116.7



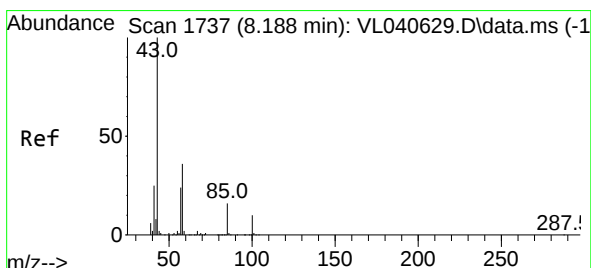
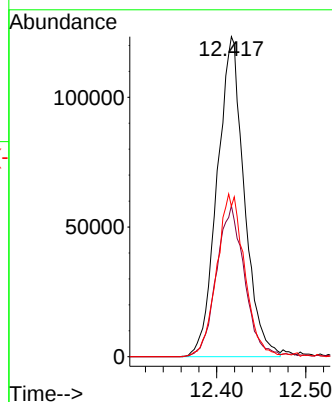
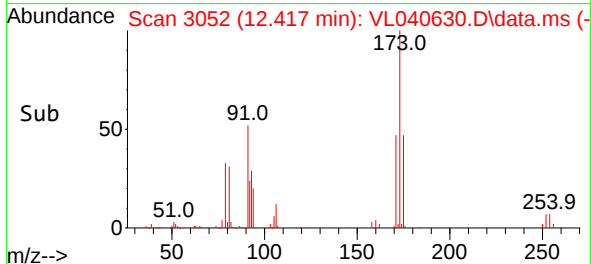


#49
Bromoform
Concen: 2.112 ppbv
RT: 12.417 min Scan# 3052
Delta R.T. -0.010 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Instrument :
MSVOA_L
ClientSampleId :

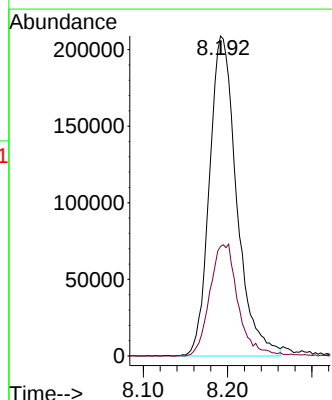
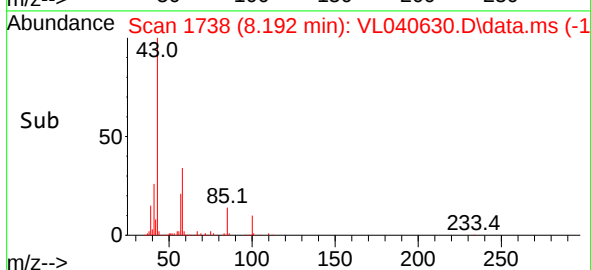
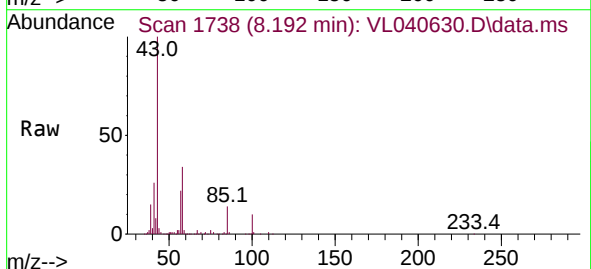


Tgt Ion:173 Resp: 260428
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.6
171 53.0 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 2.208 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 43 Resp: 469563
Ion Ratio Lower Upper
43 100
58 36.5 29.2 43.8

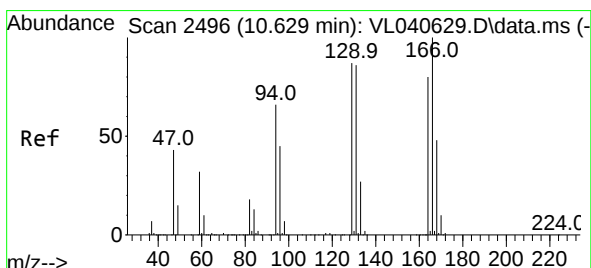
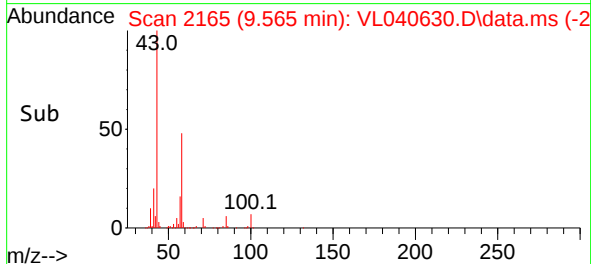
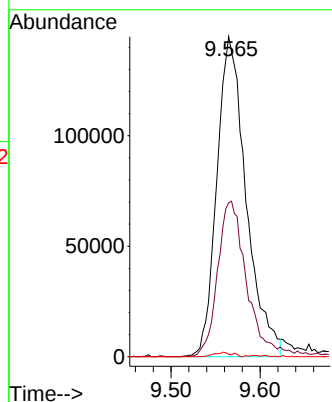
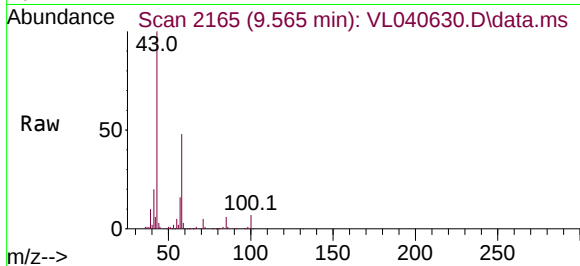




#51
2-Hexanone
Concen: 2.216 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

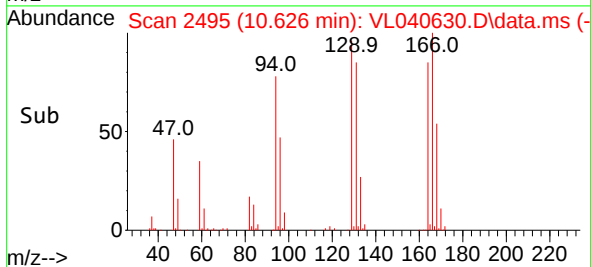
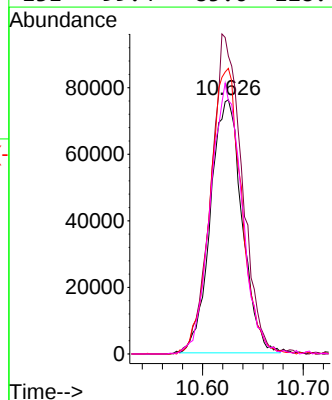
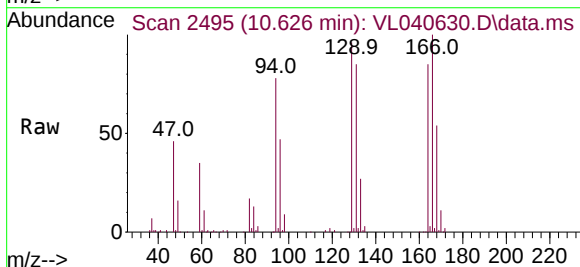
Instrument :
MSVOA_L
ClientSampleId :

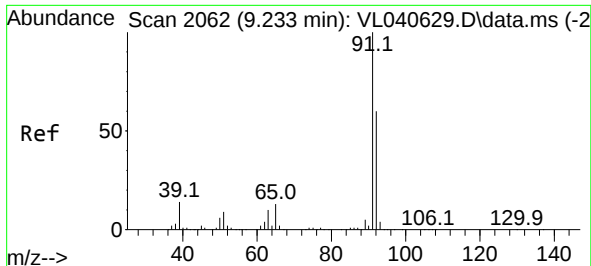
Tgt Ion: 43 Resp: 330461
Ion Ratio Lower Upper
43 100
58 49.4 39.4 59.2
98 1.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 2.307 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 164 Resp: 165652
Ion Ratio Lower Upper
164 100
166 116.8 99.5 149.3
129 111.5 86.9 130.3
131 99.4 85.6 128.4

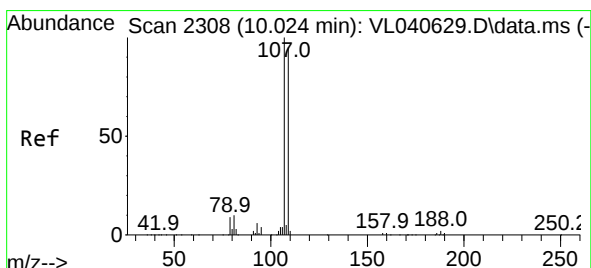
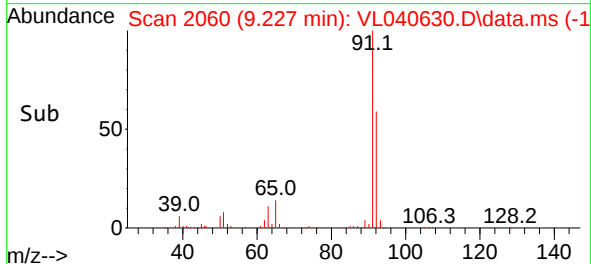
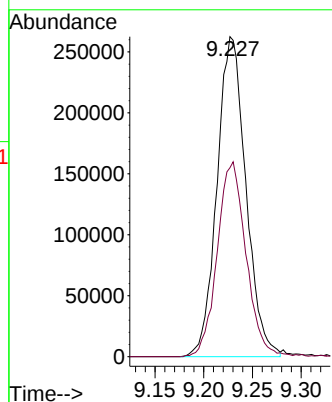
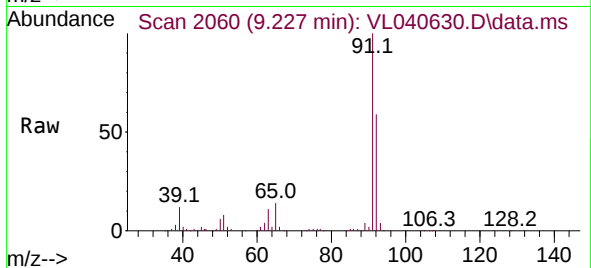




#53
Toluene
Concen: 2.221 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.007 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

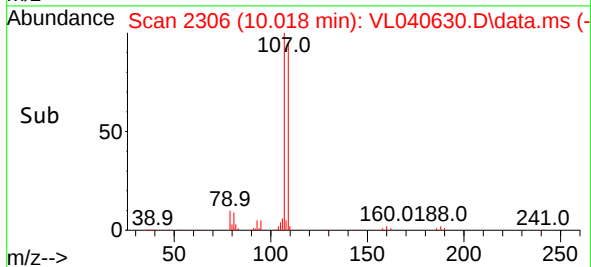
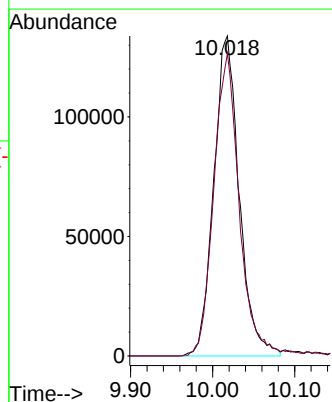
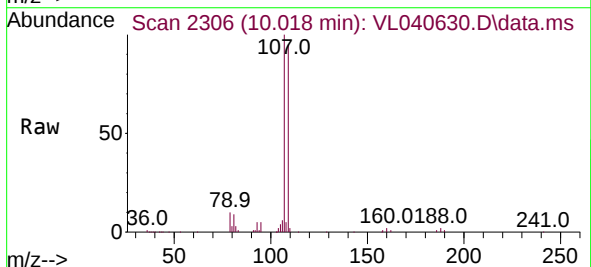
Instrument :
MSVOA_L
ClientSampleId :

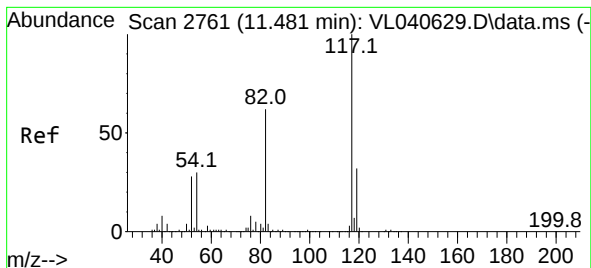
Tgt Ion: 91 Resp: 541090
Ion Ratio Lower Upper
91 100
92 61.1 48.0 72.0



#54
1,2-Dibromoethane
Concen: 2.440 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 107 Resp: 288718
Ion Ratio Lower Upper
107 100
109 94.5 75.7 113.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. -0.007 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

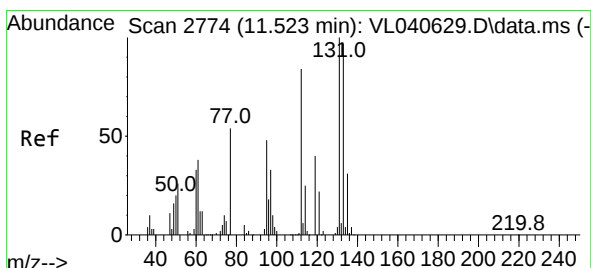
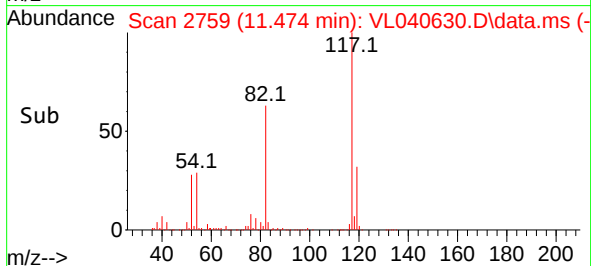
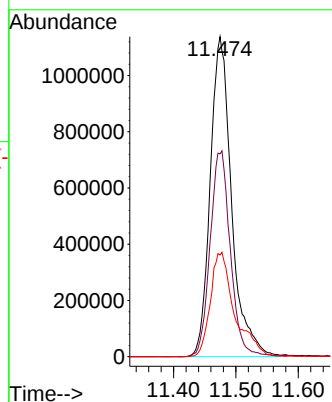
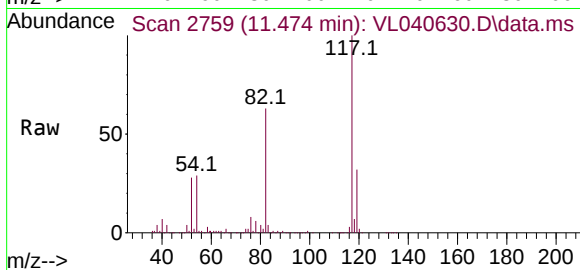
Tgt Ion:117 Resp: 2706518

Ion Ratio Lower Upper

117 100

82 61.4 49.5 74.3

119 37.1 24.5 36.7#



#56

1,1,1,2-Tetrachloroethane

Concen: 2.097 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. -0.007 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

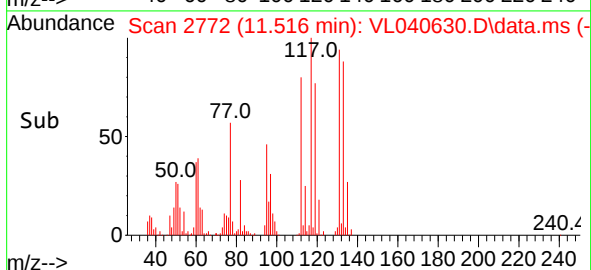
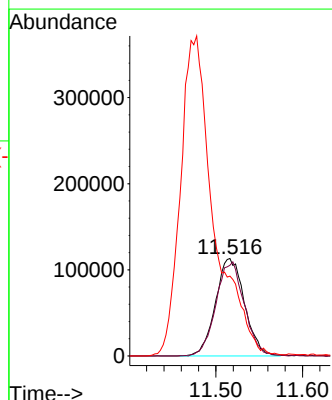
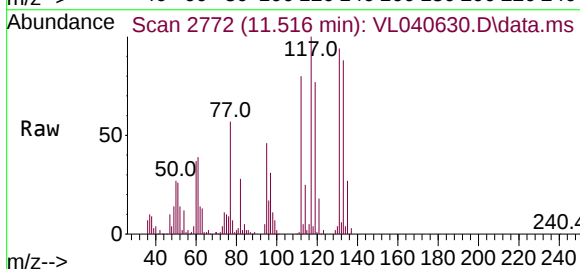
Tgt Ion:131 Resp: 262885

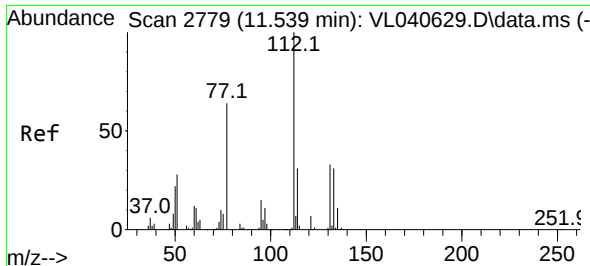
Ion Ratio Lower Upper

131 100

133 94.7 75.4 113.0

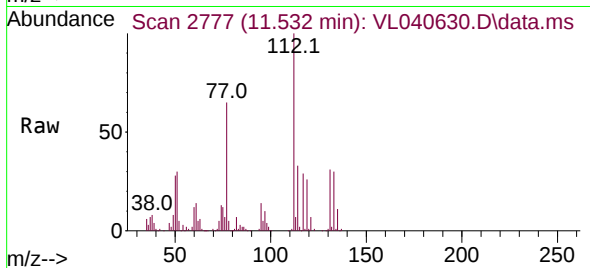
119 381.3 51.0 76.6#



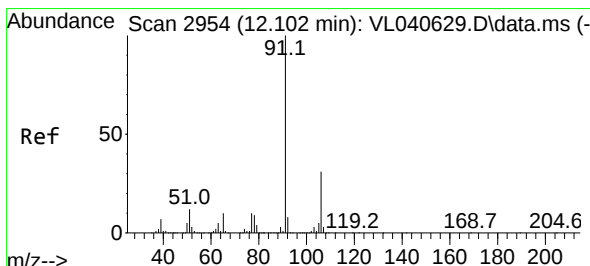
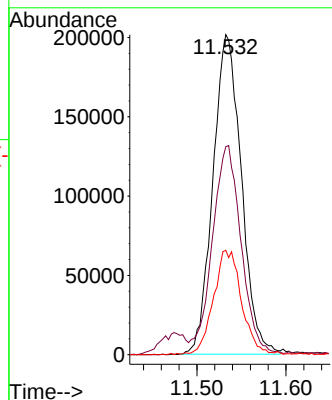
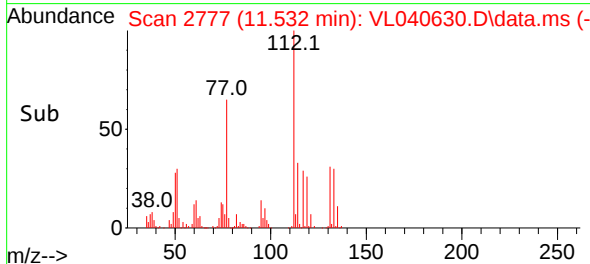


#57
Chlorobenzene
Concen: 2.136 ppbv
RT: 11.532 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

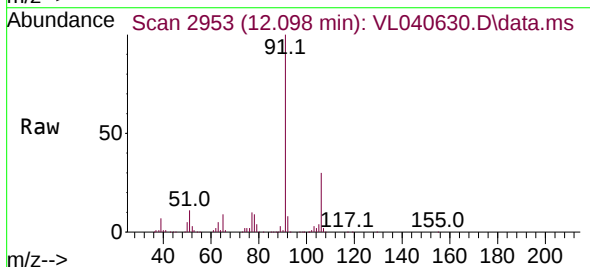
Instrument :
MSVOA_L
ClientSampleId :



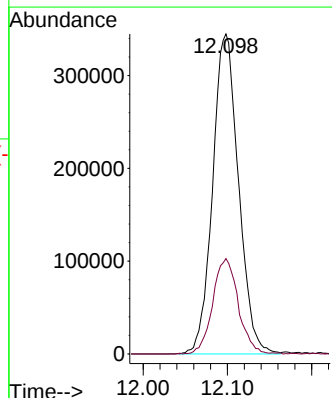
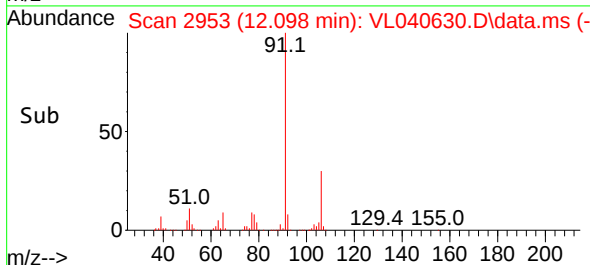
Tgt Ion:112 Resp: 446210
Ion Ratio Lower Upper
112 100
77 64.3 52.5 78.7
114 32.5 27.8 34.0

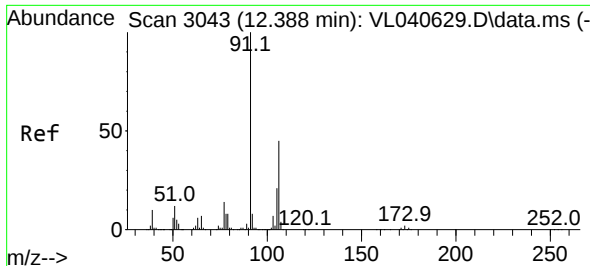


#58
Ethyl Benzene
Concen: 2.251 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57



Tgt Ion: 91 Resp: 734606
Ion Ratio Lower Upper
91 100
106 29.5 24.6 36.8





#59

m/p-Xylene

Concen: 1.795 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.007 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

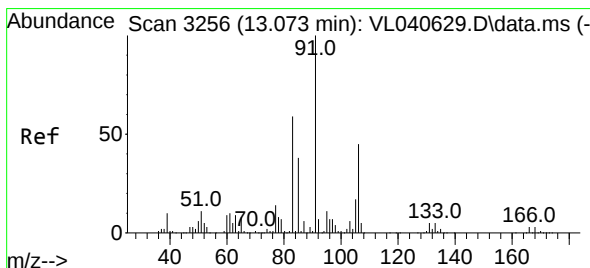
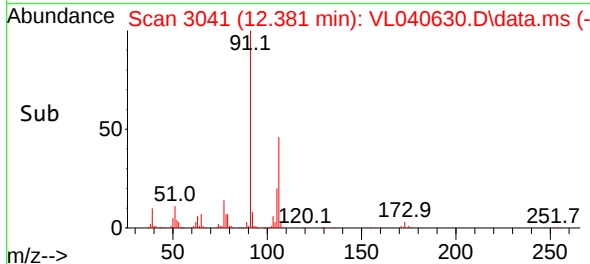
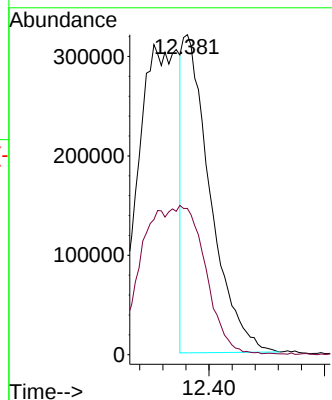
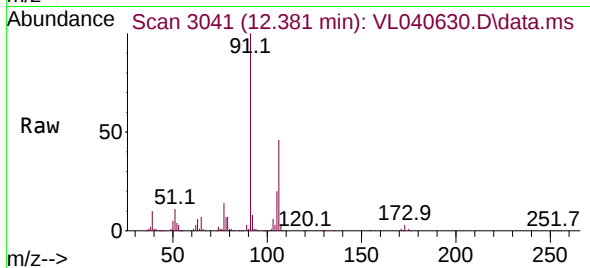
ClientSampleId :

Tgt Ion: 91 Resp: 533836

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#



#60

o-Xylene

Concen: 2.216 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.003 min

Lab File: VL040630.D

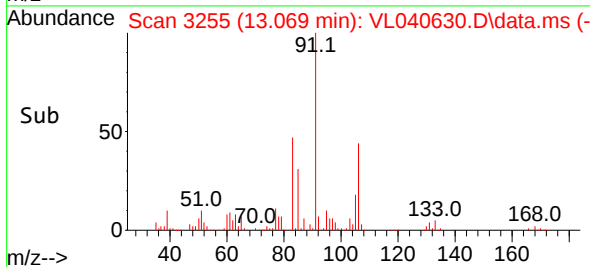
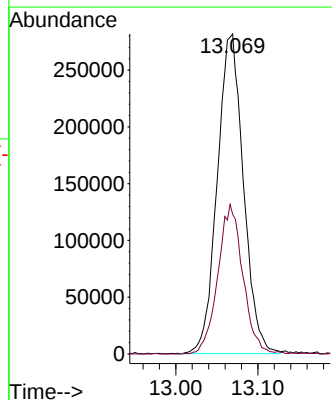
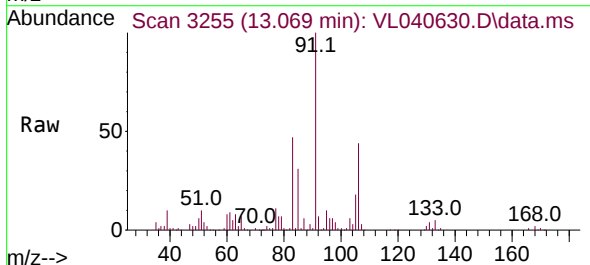
Acq: 15 Aug 2023 10:57

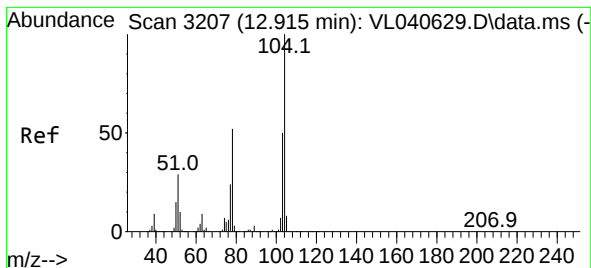
Tgt Ion: 91 Resp: 625395

Ion Ratio Lower Upper

91 100

106 44.9 22.5 67.5





#61

Styrene

Concen: 2.232 ppbv

RT: 12.909 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

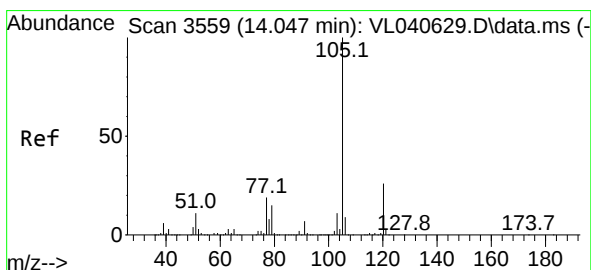
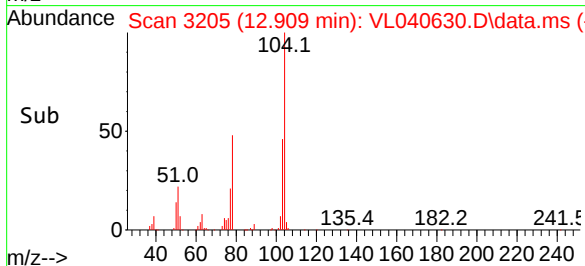
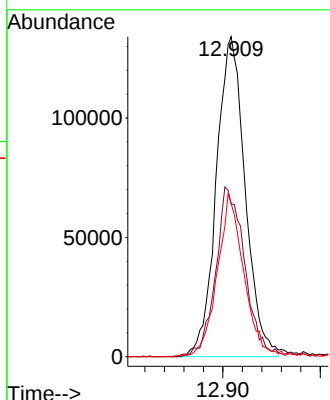
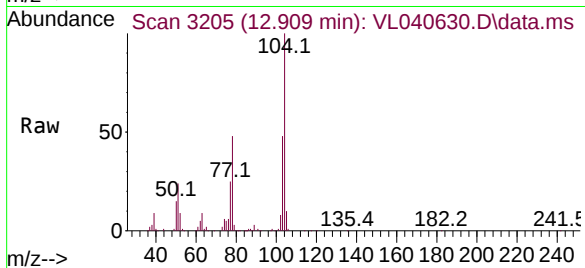
Tgt Ion:104 Resp: 275956

Ion Ratio Lower Upper

104 100

78 53.7 41.0 61.4

103 47.6 37.3 55.9



#62

Isopropylbenzene

Concen: 2.185 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. -0.006 min

Lab File: VL040630.D

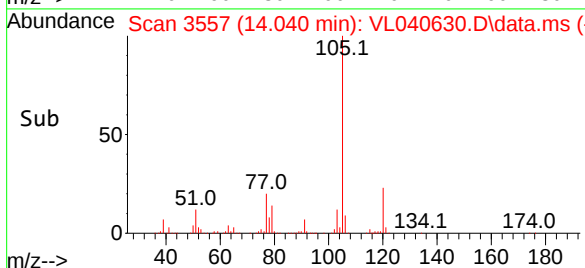
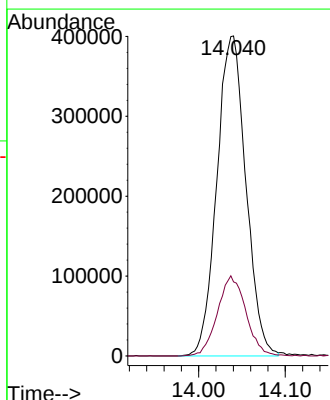
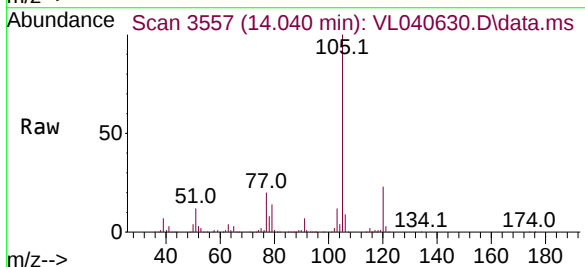
Acq: 15 Aug 2023 10:57

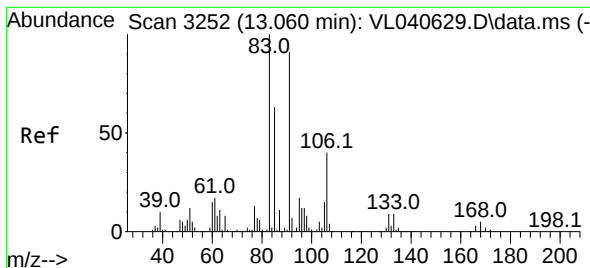
Tgt Ion:105 Resp: 932971

Ion Ratio Lower Upper

105 100

120 24.6 20.3 30.5

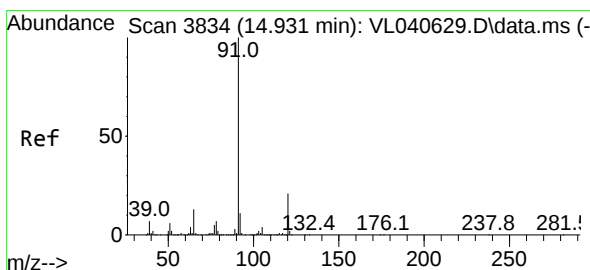
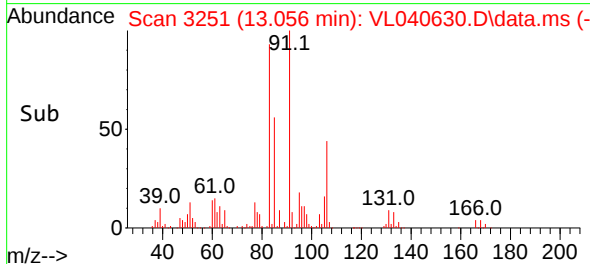
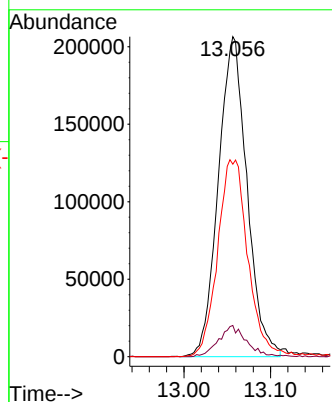
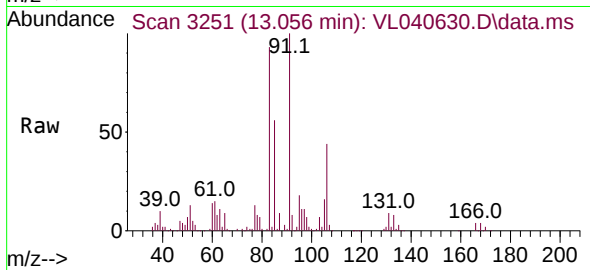




#63
1,1,2,2-Tetrachloroethane
Concen: 2.217 ppbv
RT: 13.056 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

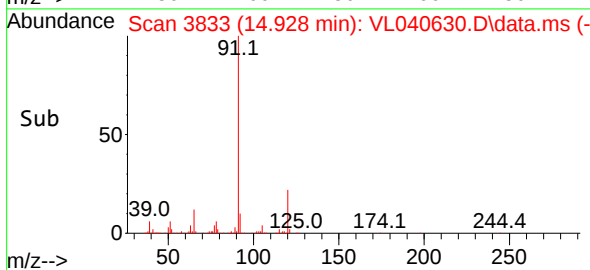
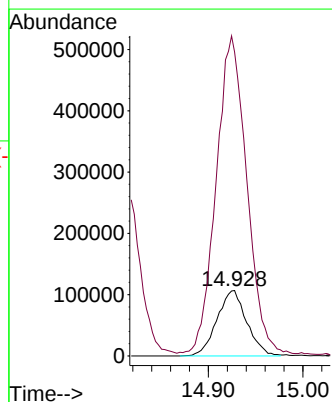
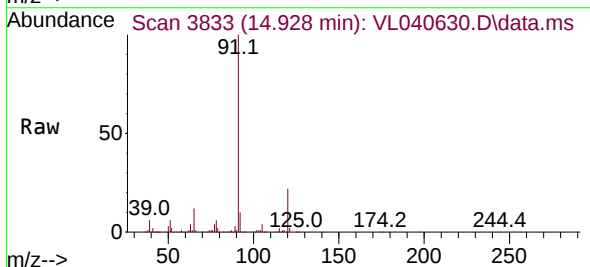
Instrument :
MSVOA_L
ClientSampleId :

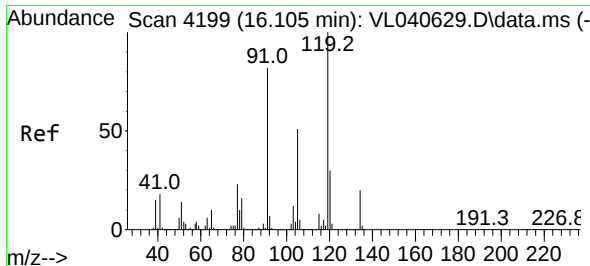
Tgt Ion: 83 Resp: 474140
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.7
85 65.6 32.4 97.2



#64
n-propylbenzene
Concen: 2.166 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 120 Resp: 233756
Ion Ratio Lower Upper
120 100
91 512.4 387.8 581.8

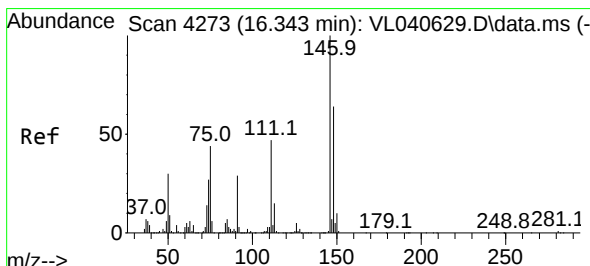
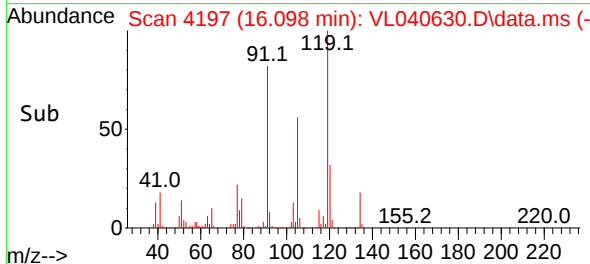
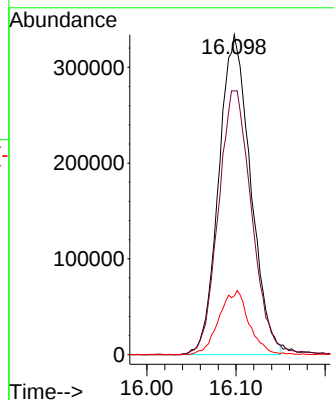
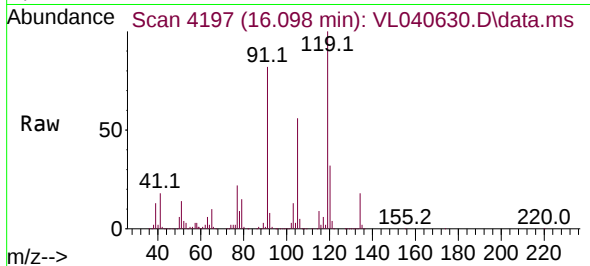




#65
tert-Butylbenzene
Concen: 2.235 ppbv
RT: 16.098 min Scan# 4199
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

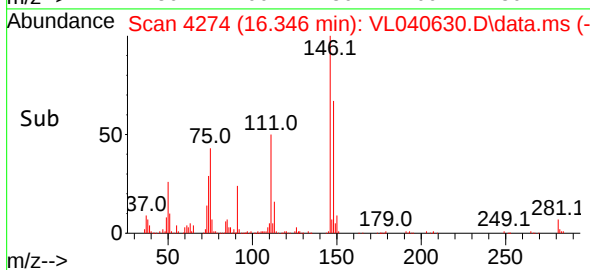
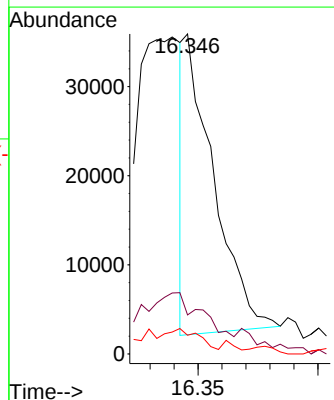
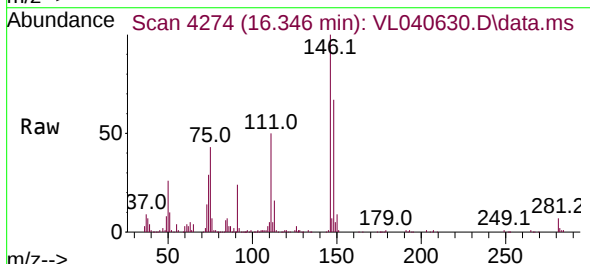
Instrument :
MSVOA_1
ClientSampleId :

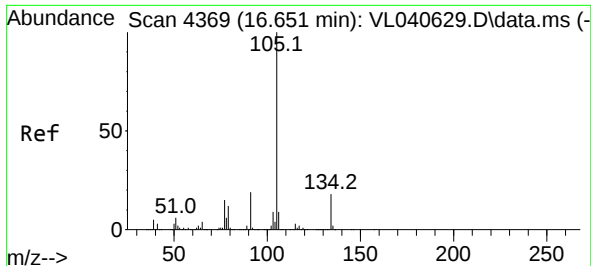
Tgt Ion:119 Resp: 827342
Ion Ratio Lower Upper
119 100
91 87.0 67.8 101.6
134 19.2 15.7 23.5



#66
Benzyl Chloride
Concen: 0.615 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion: 91 Resp: 28411
Ion Ratio Lower Upper
91 100
126 60.2 13.6 20.4#
128 22.6 4.3 6.5#





#67

sec-Butylbenzene

Concen: 2.249 ppbv

RT: 16.641 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

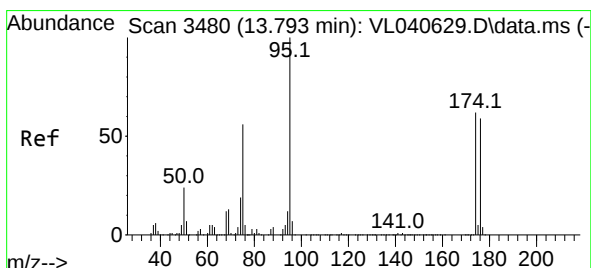
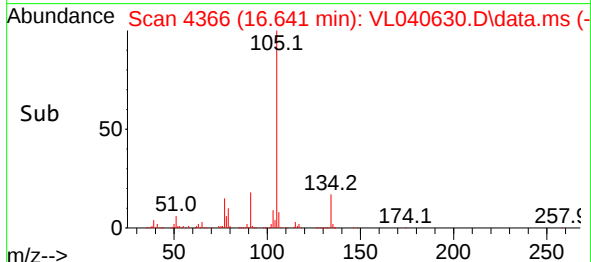
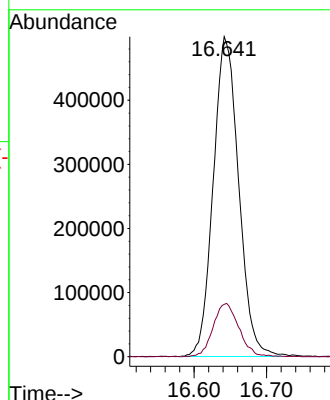
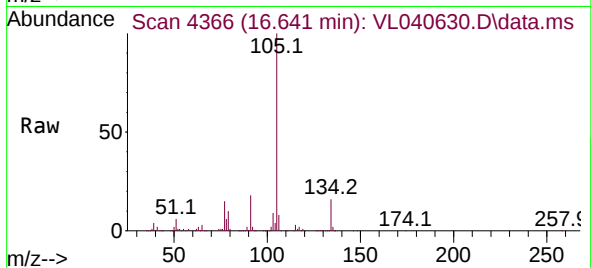
ClientSampleId :

Tgt Ion:105 Resp: 1214466

Ion Ratio Lower Upper

105 100

134 17.0 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.555 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. -0.007 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

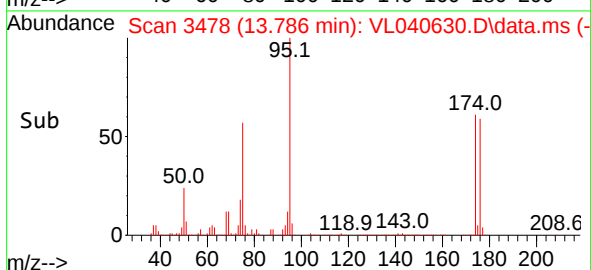
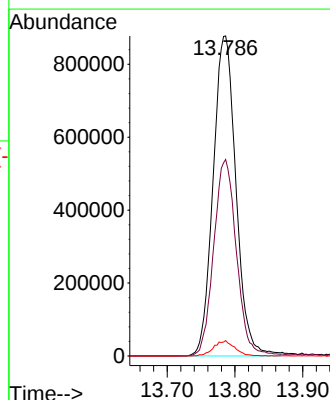
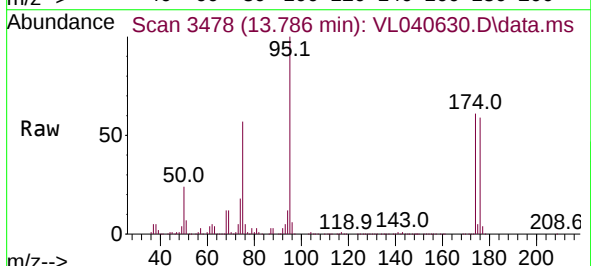
Tgt Ion: 95 Resp: 2056772

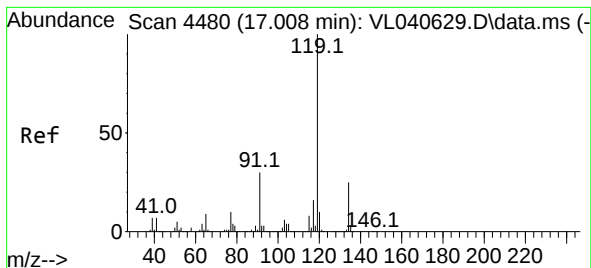
Ion Ratio Lower Upper

95 100

174 61.1 49.1 73.7

175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 2.254 ppbv

RT: 17.002 min Scan# 4480

Delta R.T. -0.006 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

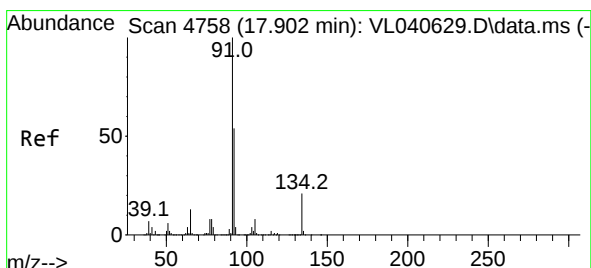
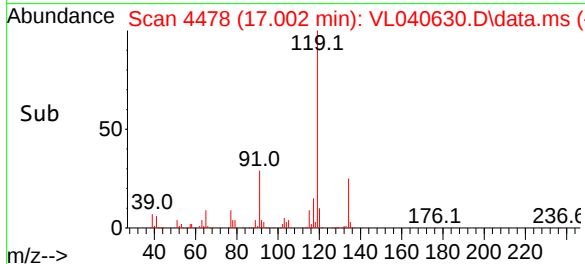
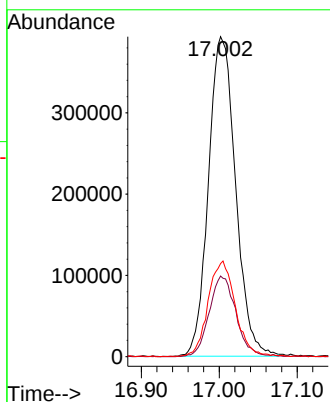
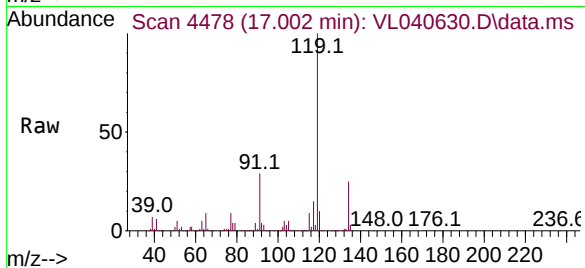
Tgt Ion:119 Resp: 952528

Ion Ratio Lower Upper

119 100

134 25.0 20.2 30.4

91 30.1 24.2 36.4



#70

n-Butylbenzene

Concen: 2.293 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. -0.006 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

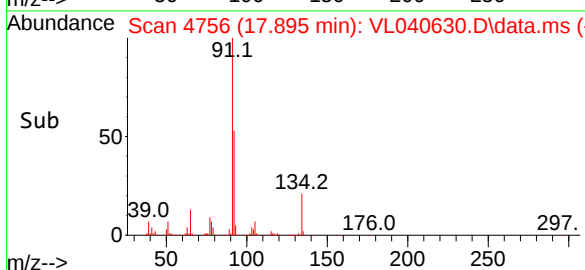
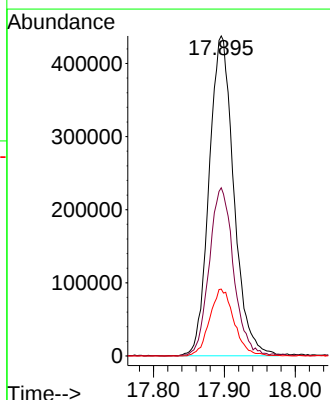
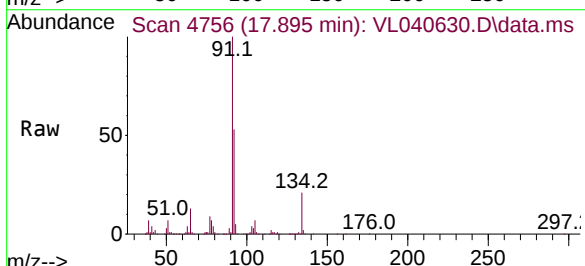
Tgt Ion: 91 Resp: 1057971

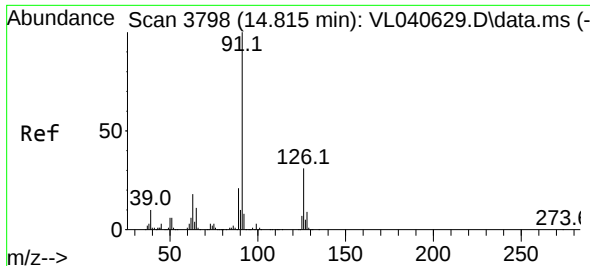
Ion Ratio Lower Upper

91 100

92 52.6 42.9 64.3

134 20.8 17.0 25.6

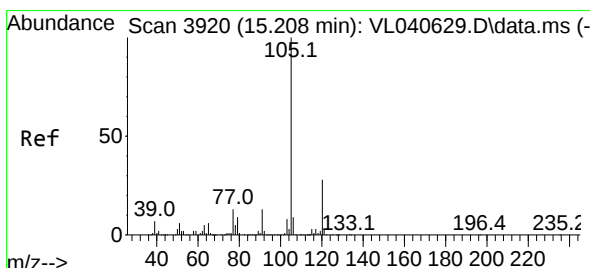
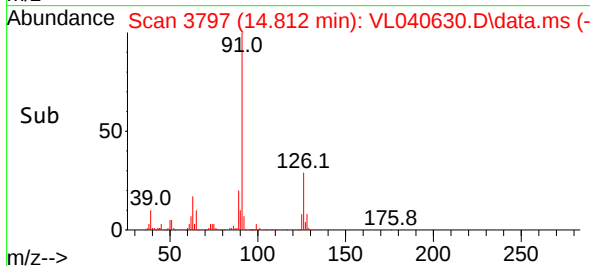
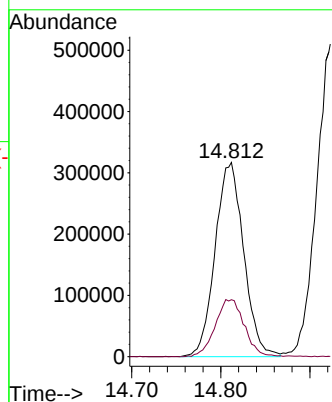
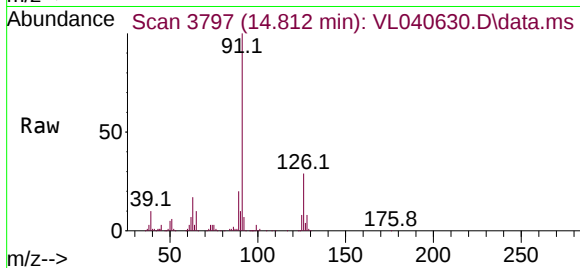




#71
2-Chlorotoluene
Concen: 2.231 ppbv
RT: 14.812 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

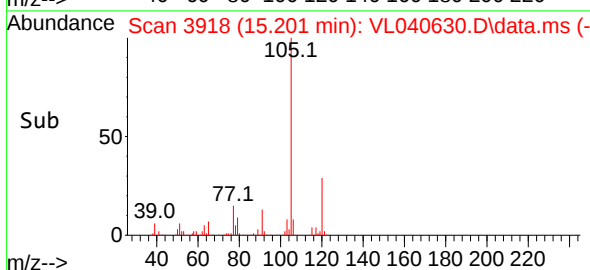
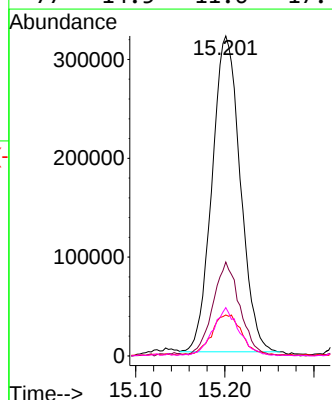
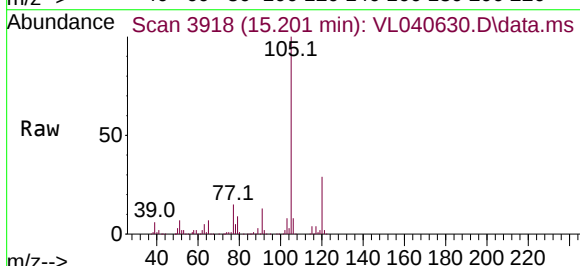
Instrument :
MSVOA_L
ClientSampleId :

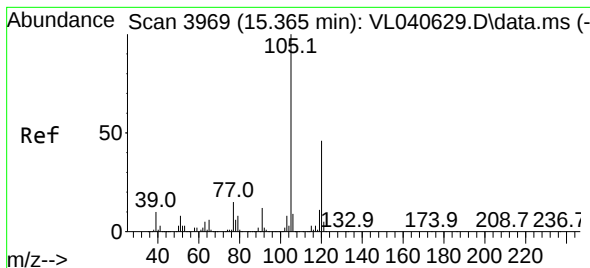
Tgt Ion: 91 Resp: 706897
Ion Ratio Lower Upper
91 100
126 30.3 12.2 49.0



#72
4-Ethyltoluene
Concen: 2.208 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

Tgt Ion:105 Resp: 703519
Ion Ratio Lower Upper
105 100
120 29.6 23.0 34.6
91 14.4 10.9 16.3
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.214 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.010 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

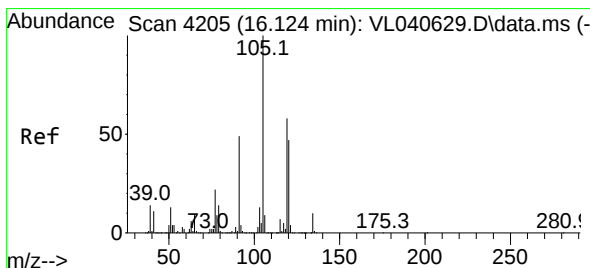
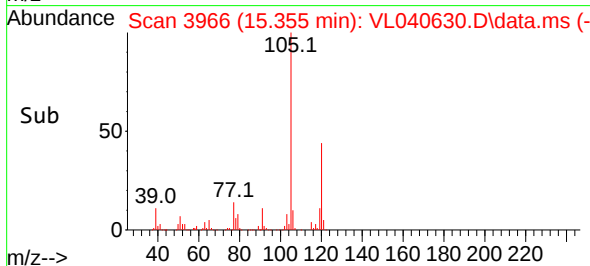
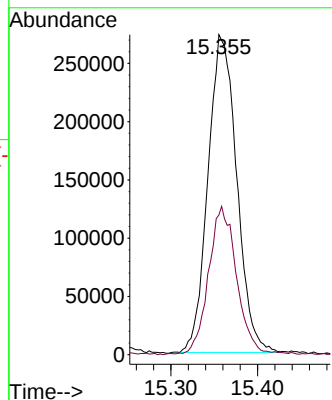
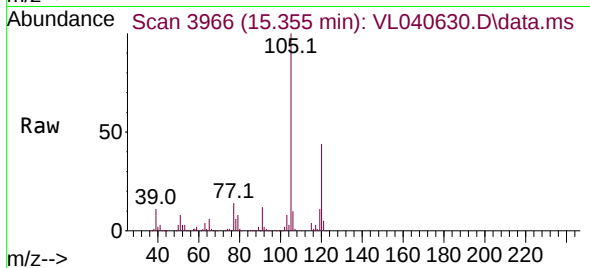
ClientSampleId :

Tgt Ion:105 Resp: 628998

Ion Ratio Lower Upper

105 100

120 43.5 36.5 54.7



#74

1,2,4-Trimethylbenzene

Concen: 2.190 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.010 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Tgt Ion:105 Resp: 728329

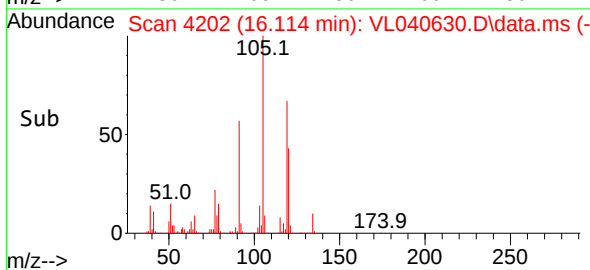
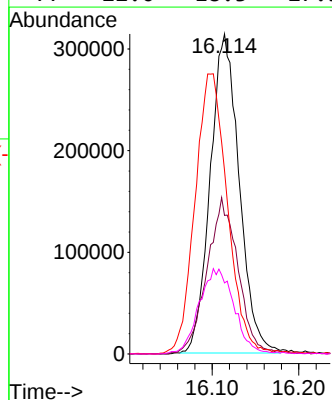
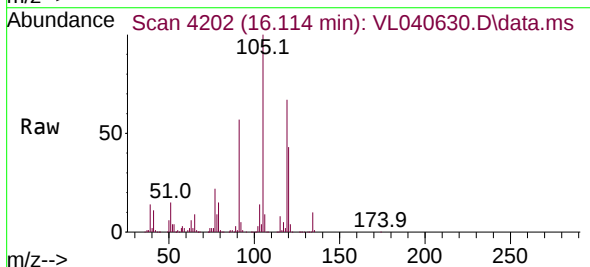
Ion Ratio Lower Upper

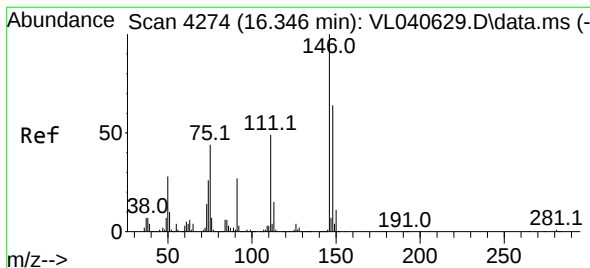
105 100

120 42.6 37.7 56.5

91 56.8 41.2 61.8

77 22.0 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 2.179 ppbv

RT: 16.336 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

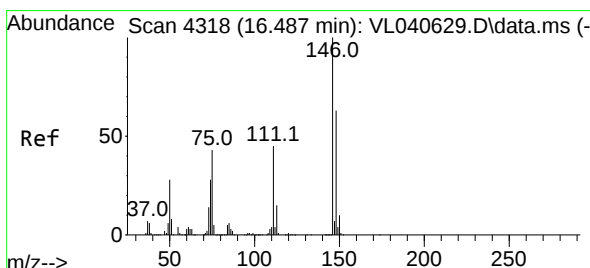
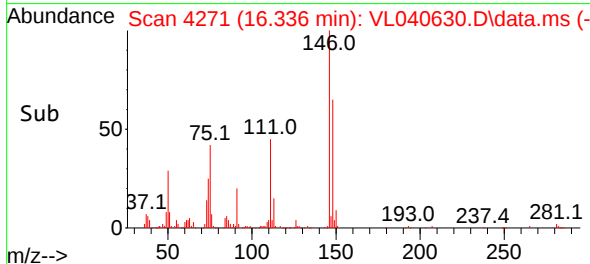
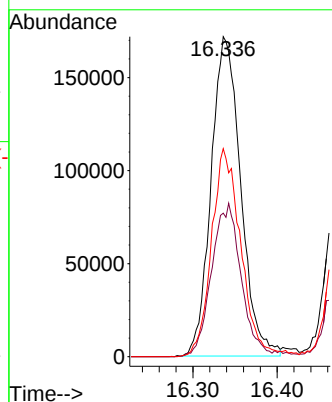
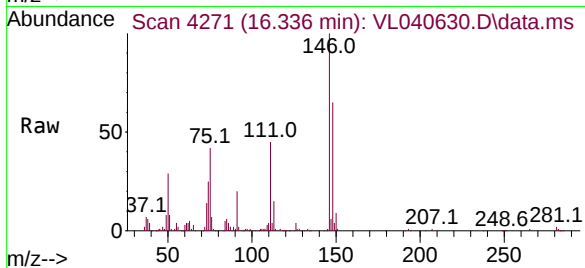
Tgt Ion:146 Resp: 418256

Ion Ratio Lower Upper

146 100

111 48.6 23.7 71.1

148 64.6 31.7 95.1



#76

1,4-Dichlorobenzene

Concen: 2.069 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. -0.006 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

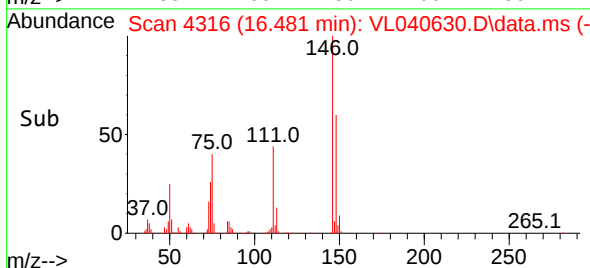
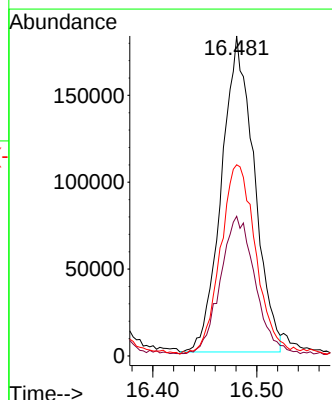
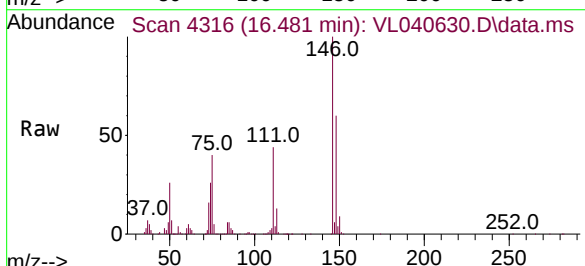
Tgt Ion:146 Resp: 396891

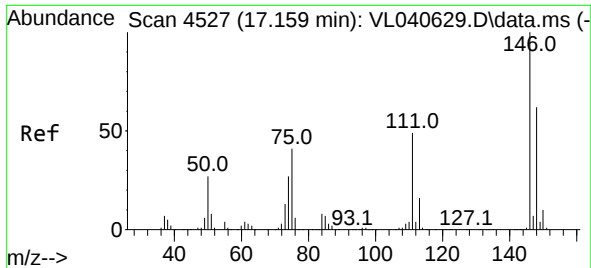
Ion Ratio Lower Upper

146 100

111 48.8 23.2 69.5

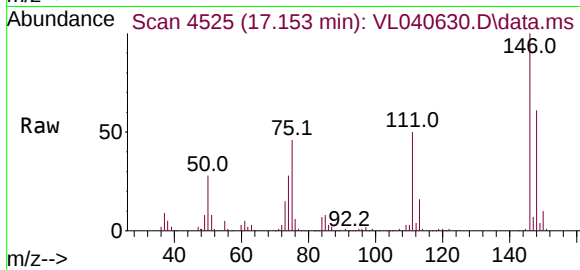
148 68.4 32.5 97.5



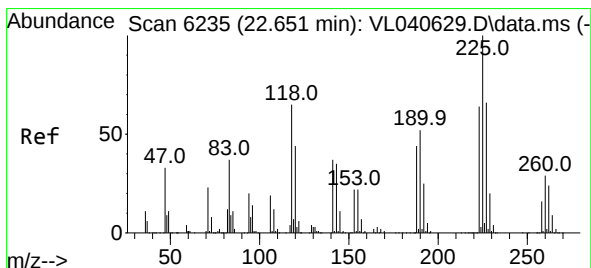
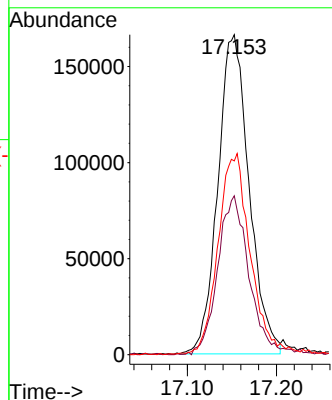
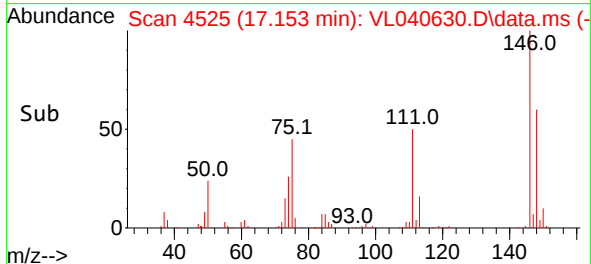


#77
1,2-Dichlorobenzene
Concen: 2.147 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.006 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57

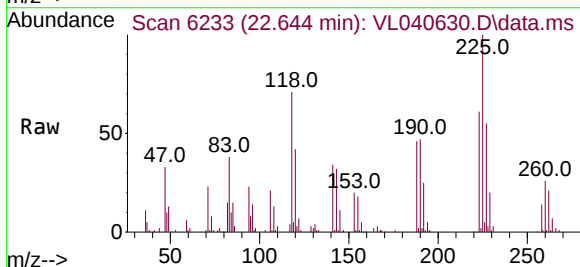
Instrument :
MSVOA_L
ClientSampleId :



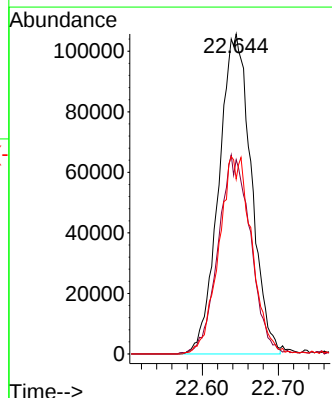
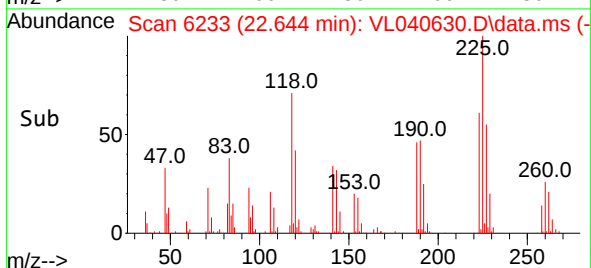
Tgt Ion:146 Resp: 405175
Ion Ratio Lower Upper
146 100
111 51.0 24.6 74.0
148 66.1 32.1 96.5

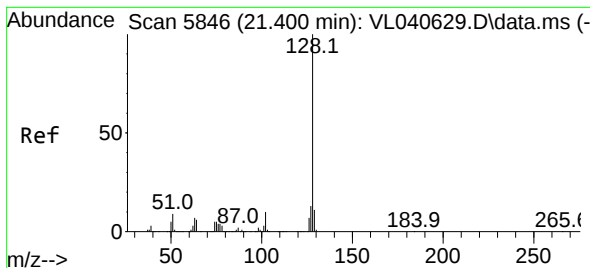


#78
Hexachloro-1,3-Butadiene
Concen: 2.182 ppbv
RT: 22.644 min Scan# 6233
Delta R.T. -0.007 min
Lab File: VL040630.D
Acq: 15 Aug 2023 10:57



Tgt Ion:225 Resp: 312998
Ion Ratio Lower Upper
225 100
223 62.4 50.6 76.0
227 62.6 51.2 76.8





#79

Naphthalene

Concen: 2.573 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. -0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :

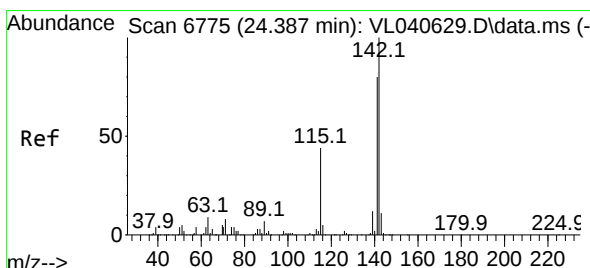
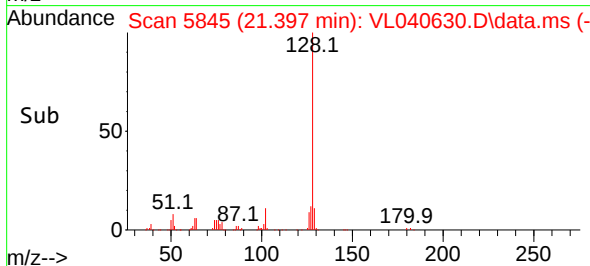
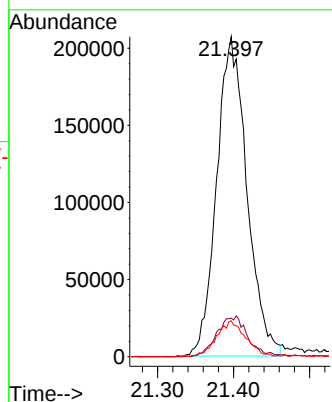
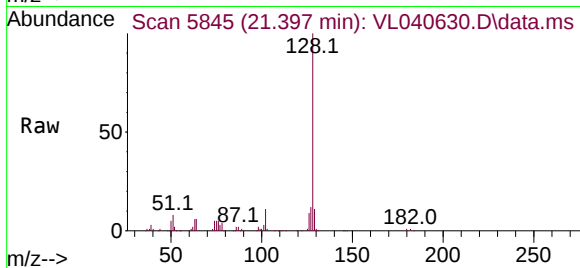
Tgt Ion:128 Resp: 572572

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

129 11.2 9.2 13.8



#80

Naphthalene,2-methyl-

Concen: 2.167 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.003 min

Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

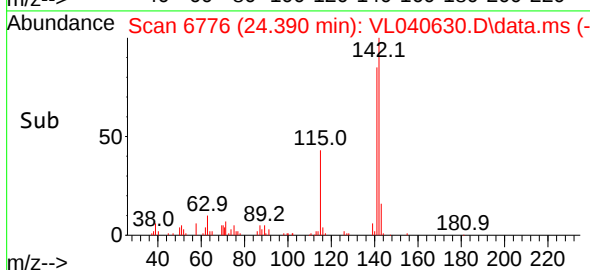
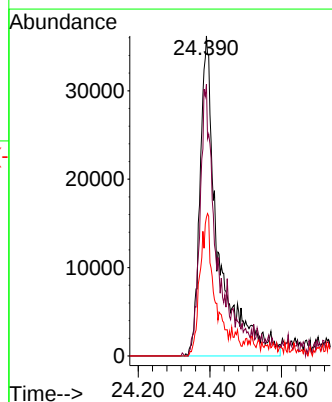
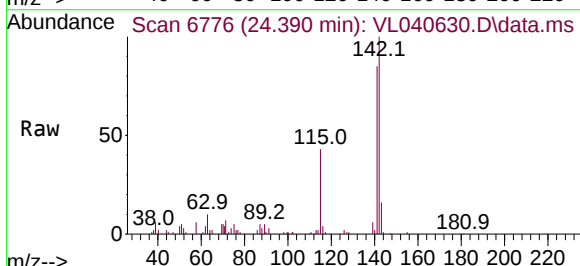
Tgt Ion:142 Resp: 128754

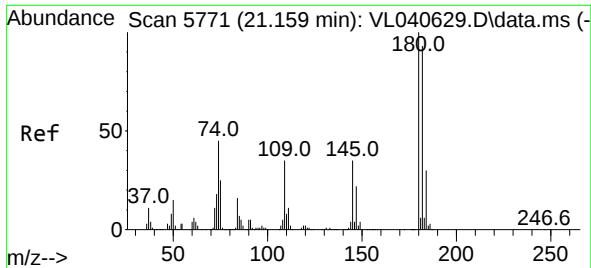
Ion Ratio Lower Upper

142 100

141 85.3 64.6 96.8

115 34.9 33.7 50.5





#81

1,2,4-Trichlorobenzene

Concen: 2.184 ppbv

RT: 21.149 min Scan# 51

Delta R.T. -0.010 min

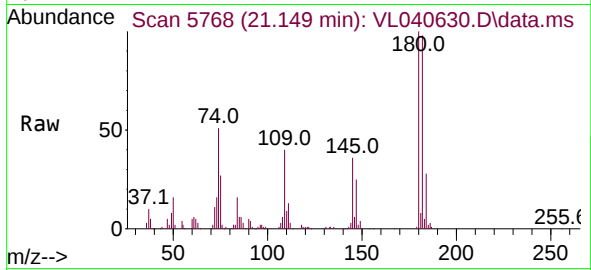
Lab File: VL040630.D

Acq: 15 Aug 2023 10:57

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 315776

Ion Ratio Lower Upper

180 100

182 97.6 78.0 117.0

184 31.3 24.6 36.8

