

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040684.D
 Acq On : 14 Sep 2023 14:27
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Sep 15 05:49:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 14 19:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1261696	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3340089	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2996221	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2256257	9.747	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	605391	2.178	ppbv	98
3) Chlorodifluoromethane	2.668	51	440189	2.142	ppbv	97
4) Chloromethane	2.806	50	177770	2.259	ppbv	98
5) Vinyl Chloride	2.912	62	186457	2.005	ppbv	92
6) Bromomethane	3.112	94	95661	2.132	ppbv	95
7) Chloroethane	3.189	64	73534	2.302	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	485611	2.116	ppbv	99
9) Propene	2.687	41	126393	2.135	ppbv	96
10) Heptane	7.571	43	287285	2.153	ppbv	96
11) Trichlorofluoromethane	3.555	101	494005	2.021	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	362768	2.075	ppbv	97
13) Ethanol	3.234	45	44296	2.527	ppbv	91
14) Bromoethene	3.359	108	152491	2.080	ppbv	97
15) Acetone	3.462	43	355557	2.136	ppbv	96
16) 1,3-Butadiene	2.977	39	162558	2.241	ppbv	93
17) tert-Butyl alcohol	3.874	59	362192	2.125	ppbv	99
18) 1,1-Dichloroethene	3.870	96	162073	2.086	ppbv	96
19) Isopropyl Alcohol	3.571	45	215152	2.146	ppbv #	95
20) Methylene Chloride	3.925	84	198110	2.212	ppbv	95
21) Allyl Chloride	3.989	41	211114	2.070	ppbv	97
22) trans-1,2-Dichloroethene	4.440	96	161292	2.099	ppbv	98
23) Vinyl Acetate	4.616	43	361493	2.100	ppbv	97
24) 1,1-Dichloroethane	4.555	63	337111	2.093	ppbv	98
25) Ethyl Acetate	5.198	43	600672	2.238	ppbv	99
26) Hexane	5.205	57	299355	2.359	ppbv	90
27) Carbon Disulfide	4.118	76	380236	2.148	ppbv	97
28) Methyl tert-Butyl Ether	4.581	73	233720	2.140	ppbv	98
29) Chloroform	5.266	83	458834	2.094	ppbv	100
30) Cyclohexane	6.594	84	202089	2.114	ppbv	95
31) cis-1,2-Dichloroethene	5.070	61	249275	2.117	ppbv	88
32) 1,1,1-Trichloroethane	5.996	97	458578	2.047	ppbv	99
34) 2-Butanone	4.780	43	343102	2.043	ppbv	98
35) Carbon Tetrachloride	6.484	117	476550	2.078	ppbv	98
36) Benzene	6.362	78	532414	2.153	ppbv	95
37) 1,2-Dichloroethane	5.796	62	341315	2.016	ppbv	98
38) Trichloroethene	7.285	130	205019	2.174	ppbv	94
39) 1,2-Dichloropropane	7.063	63	197032	2.070	ppbv	98
40) 1,4-Dioxane	7.288	88	75431	2.096	ppbv #	88
41) Tetrahydrofuran	5.555	42	185969	2.159	ppbv	98
42) Bromodichloromethane	7.240	83	475995	2.061	ppbv	95
43) Methyl Methacrylate	7.468	69	190325	2.070	ppbv	95
44) 2,2,4-Trimethylpentane	7.317	57	867248	2.202	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	130463	1.830	ppbv	90

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Quant Time: Sep 15 05:49:31 2023
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	180786	2.073	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	224125	2.051	ppbv	96
48) Dibromochloromethane	9.703	129	381949	2.119	ppbv	99
49) Bromoform	12.397	173	306588	2.071	ppbv	98
50) 4-Methyl-2-Pentanone	8.182	43	485239	2.138	ppbv	97
51) 2-Hexanone	9.549	43	331765	2.118	ppbv #	99
52) Tetrachloroethene	10.610	164	172939	2.143	ppbv	95
53) Toluene	9.214	91	561524	2.150	ppbv	99
54) 1,2-Dibromoethane	10.002	107	297358	2.132	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.507	131	123336	0.864	ppbv #	10
57) Chlorobenzene	11.516	112	478729	2.110	ppbv	97
58) Ethyl Benzene	12.086	91	745405	2.182	ppbv	98
59) m/p-Xylene	12.365	91	756000	2.357	ppbv #	45
60) o-Xylene	13.050	91	679808	2.222	ppbv	100
61) Styrene	12.893	104	277666	2.166	ppbv	98
62) Isopropylbenzene	14.028	105	998828	2.163	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	524233	2.187	ppbv	99
64) n-propylbenzene	14.912	120	259764	2.249	ppbv	93
65) tert-Butylbenzene	16.085	119	923175	2.227	ppbv	99
66) Benzyl Chloride	16.320	91	50322	1.040	ppbv #	66
67) sec-Butylbenzene	16.632	105	1317902	2.221	ppbv	99
69) p-Isopropyltoluene	16.992	119	1054794	2.262	ppbv	99
70) n-Butylbenzene	17.880	91	1156906	2.254	ppbv	99
71) 2-Chlorotoluene	14.796	91	757963	2.218	ppbv	99
72) 4-Ethyltoluene	15.188	105	768401	2.240	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	693408	2.245	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	813789	2.161	ppbv #	87
75) 1,3-Dichlorobenzene	16.330	146	461671	2.152	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	265776	1.259	ppbv #	43
77) 1,2-Dichlorobenzene	17.137	146	445230	2.083	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	348710	2.157	ppbv	99
79) Naphthalene	21.387	128	600424	2.562	ppbv	98
80) Naphthalene,2-methyl-	24.378	142	97969	1.707	ppbv	92
81) 1,2,4-Trichlorobenzene	21.137	180	181335	1.185	ppbv #	24

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

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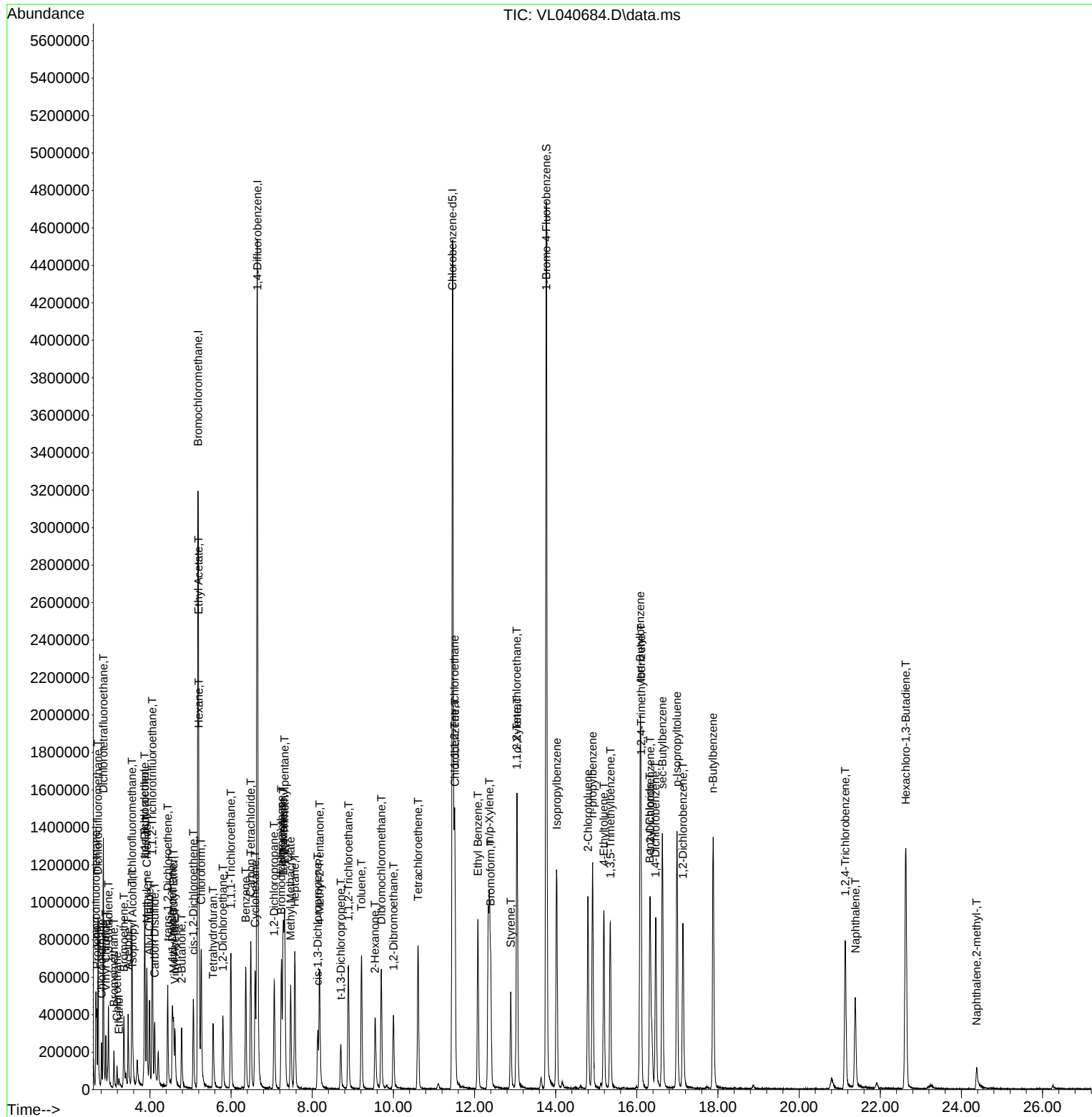
Quant Time: Sep 15 05:49:31 2023

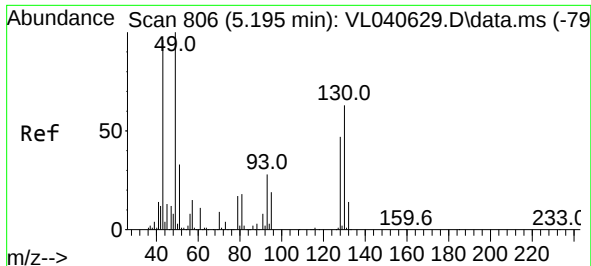
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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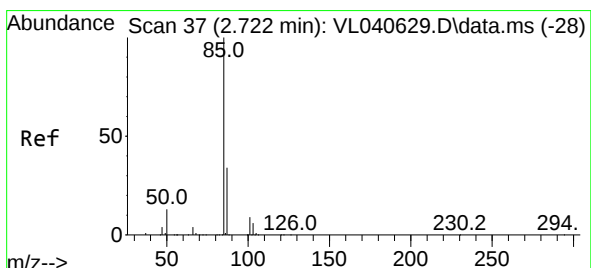
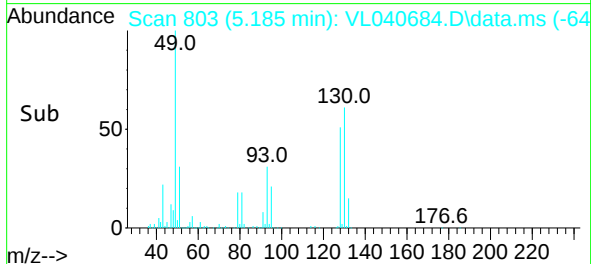
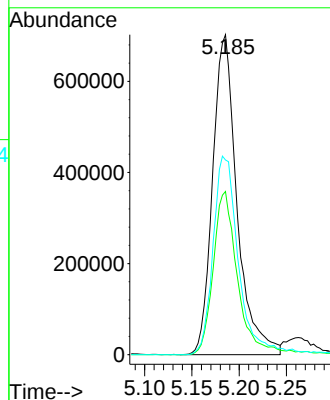
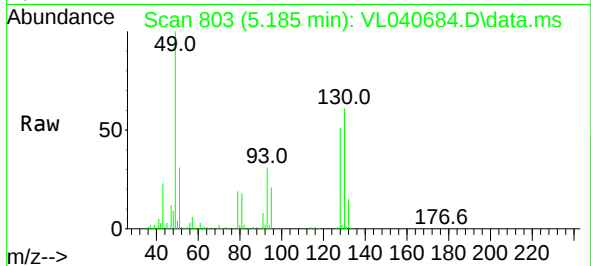




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

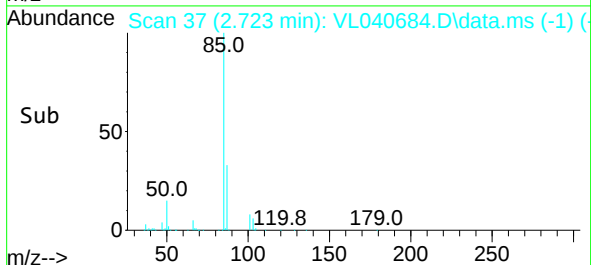
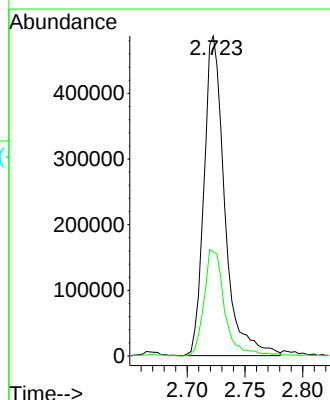
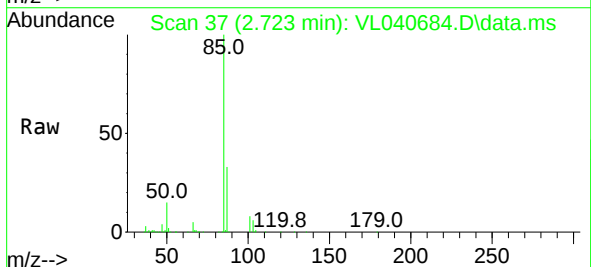
Instrument :
MSVOA_L
ClientSampleId :
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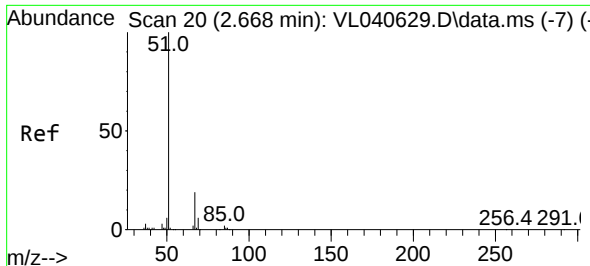
Tgt Ion: 49 Resp: 1261696
Ion Ratio Lower Upper
49 100
128 52.1 25.4 76.0
130 66.5 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 2.178 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 85 Resp: 605391
Ion Ratio Lower Upper
85 100
87 32.7 27.2 40.8

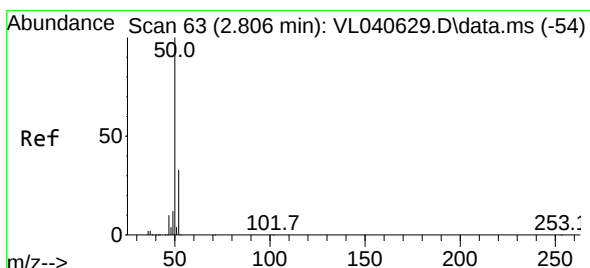
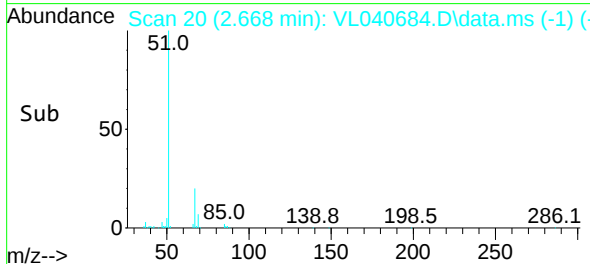
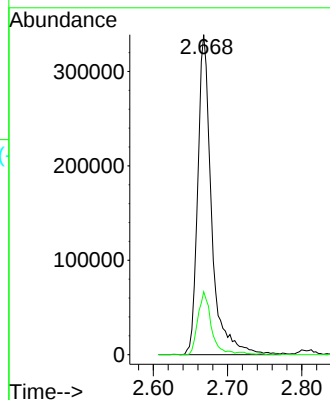
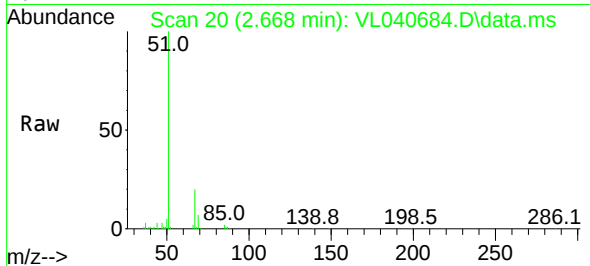




#3
Chlorodifluoromethane
Concen: 2.142 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

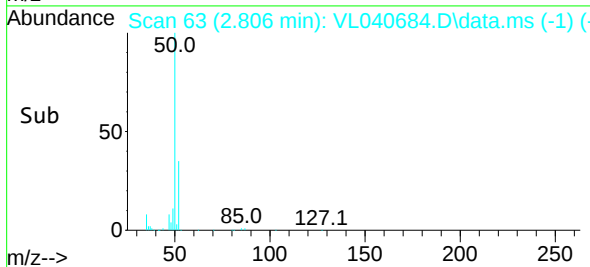
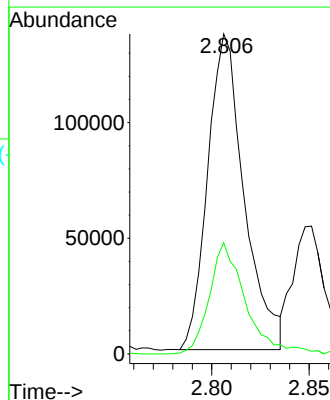
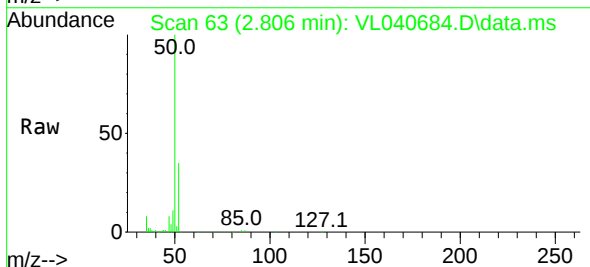
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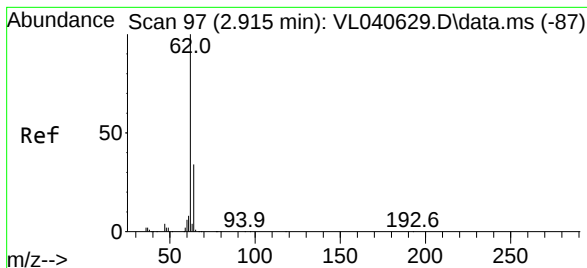
Tgt Ion: 51 Resp: 440189
Ion Ratio Lower Upper
51 100
67 19.7 16.7 25.1



#4
Chloromethane
Concen: 2.259 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 50 Resp: 177770
Ion Ratio Lower Upper
50 100
52 35.1 27.1 40.7

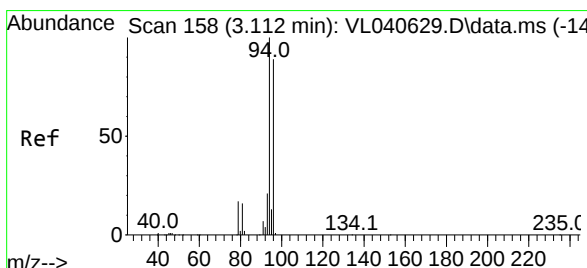
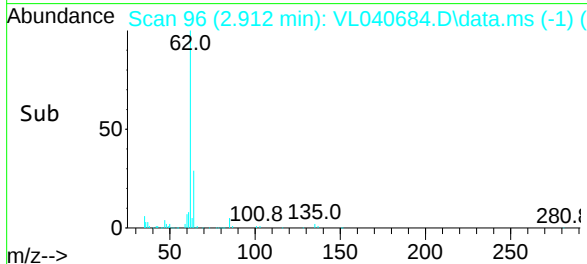
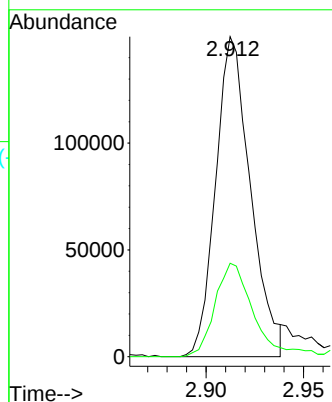
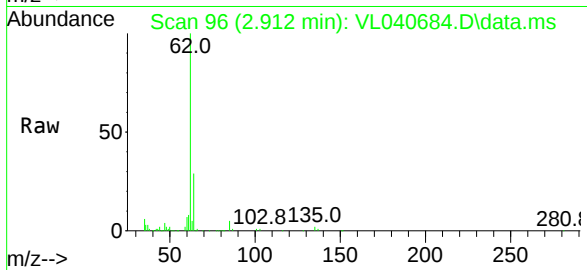




#5
 Vinyl Chloride
 Concen: 2.005 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

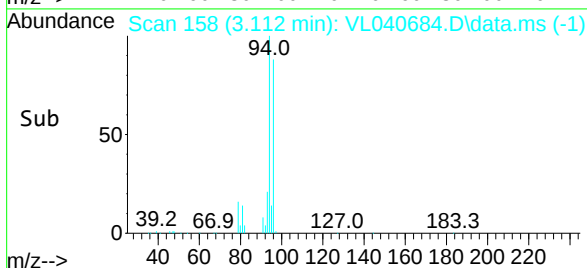
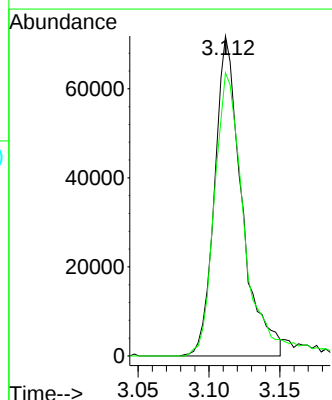
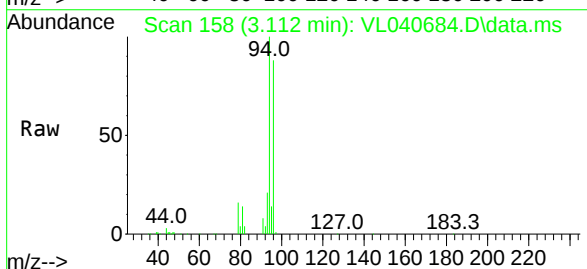
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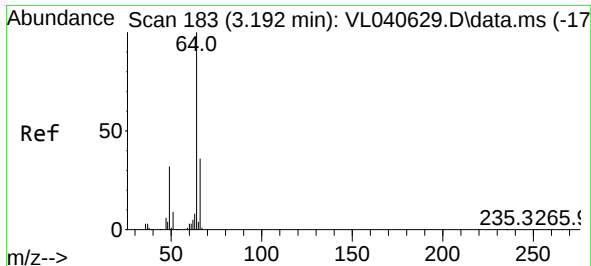
Tgt Ion: 62 Resp: 186457
 Ion Ratio Lower Upper
 62 100
 64 29.2 27.2 40.8



#6
 Bromomethane
 Concen: 2.132 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Tgt Ion: 94 Resp: 95661
 Ion Ratio Lower Upper
 94 100
 96 88.5 74.4 111.6

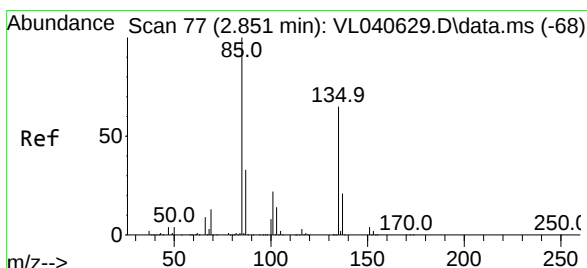
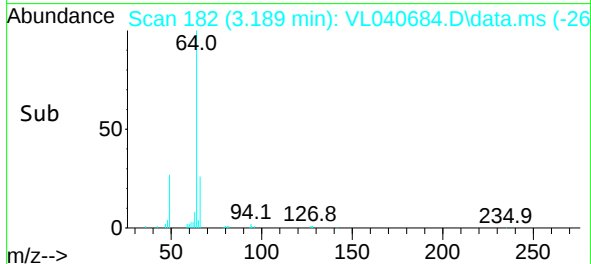
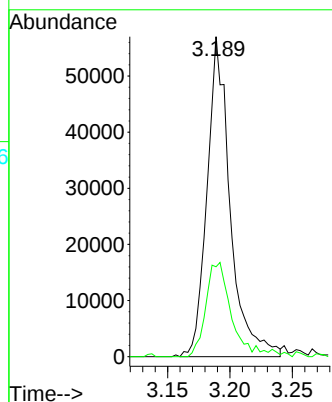
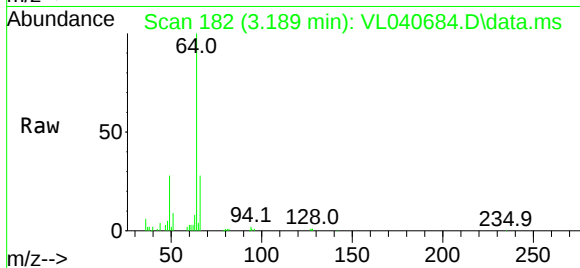




#7
Chloroethane
Concen: 2.302 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

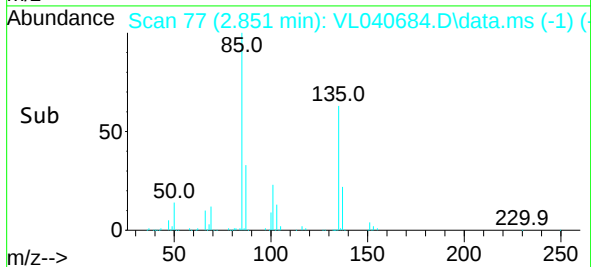
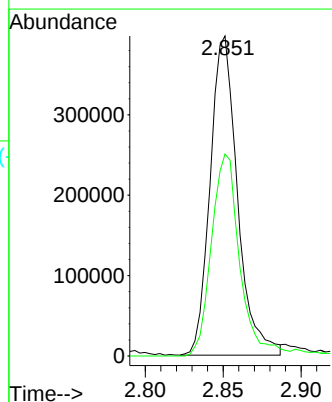
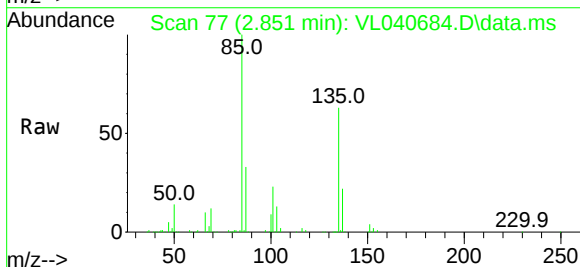
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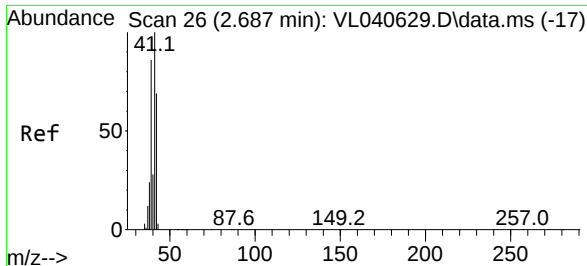
Tgt Ion: 64 Resp: 73534
Ion Ratio Lower Upper
64 100
66 28.1 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 2.116 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 85 Resp: 485611
Ion Ratio Lower Upper
85 100
135 67.8 53.4 80.2

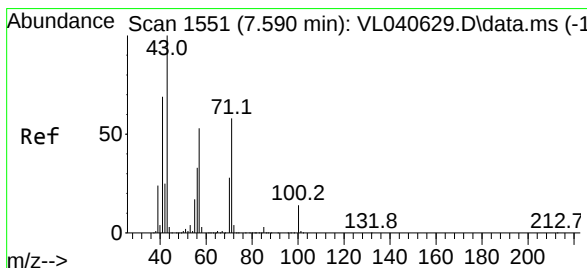
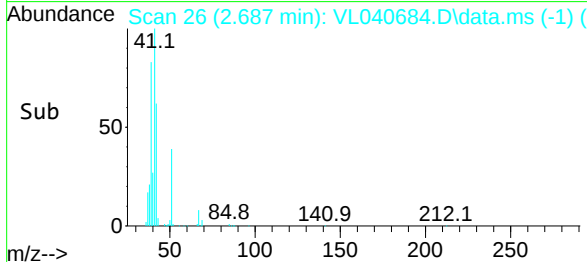
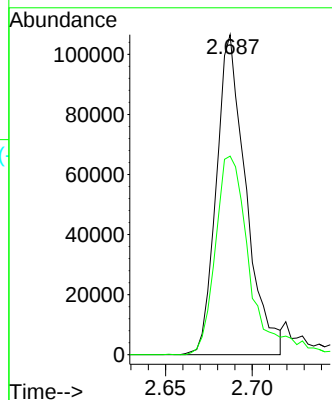
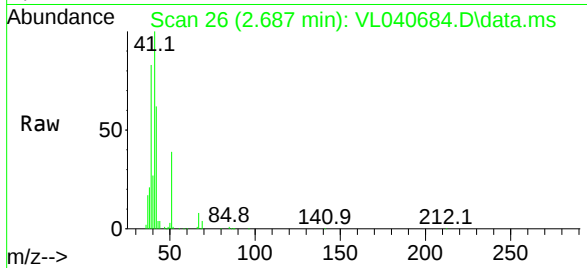




#9
 Propene
 Concen: 2.135 ppbv
 RT: 2.687 min Scan# 2
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

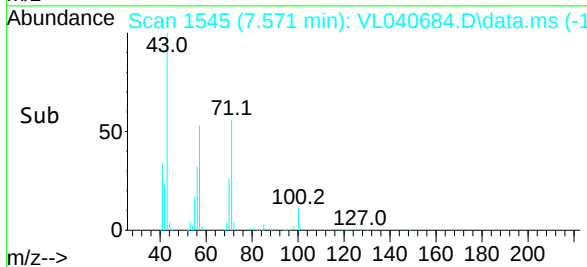
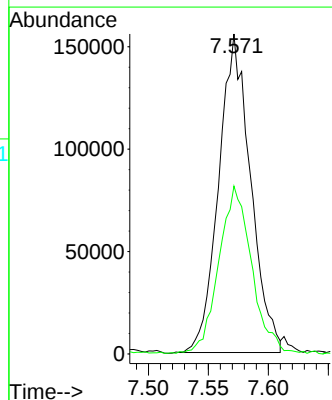
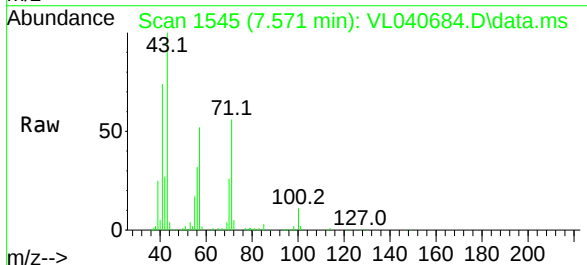
Instrument :
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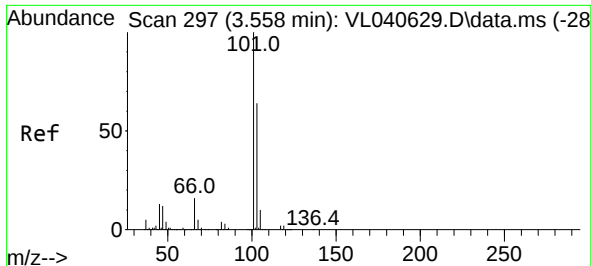
Tgt Ion: 41 Resp: 126393
 Ion Ratio Lower Upper
 41 100
 42 73.8 56.7 85.1



#10
 Heptane
 Concen: 2.153 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Tgt Ion: 43 Resp: 287285
 Ion Ratio Lower Upper
 43 100
 57 55.1 41.8 62.6

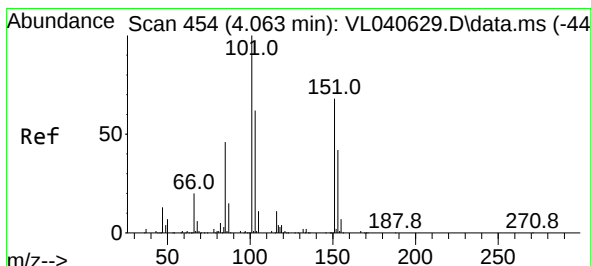
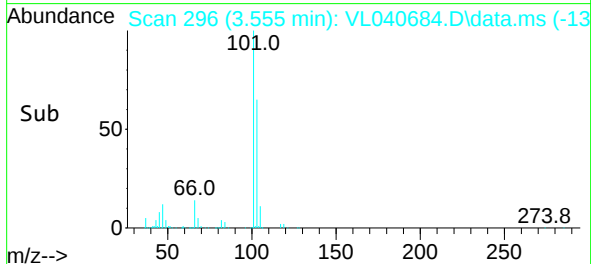
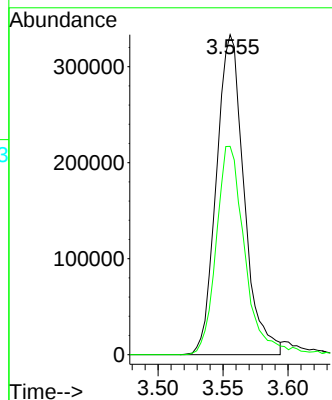
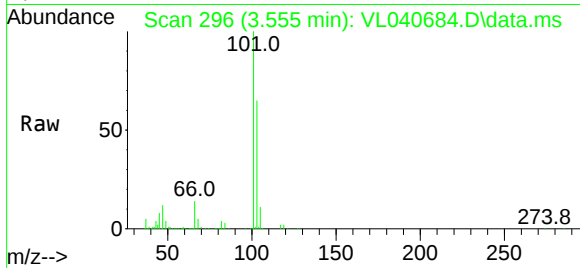




#11
 Trichlorofluoromethane
 Concen: 2.021 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

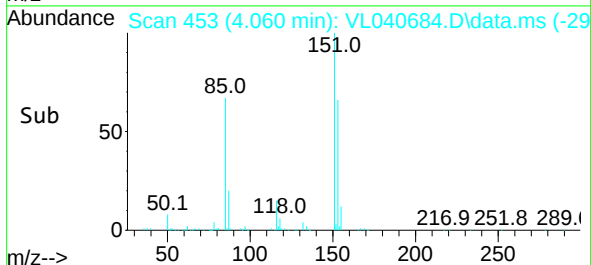
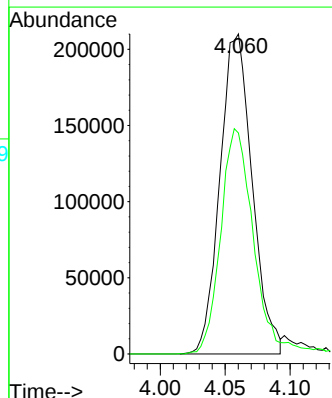
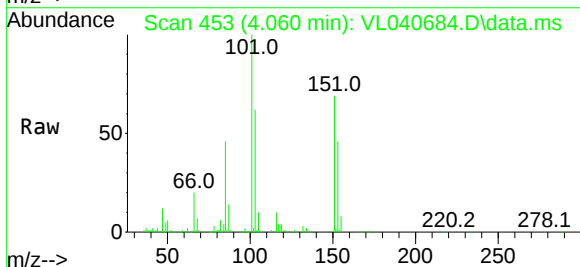
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

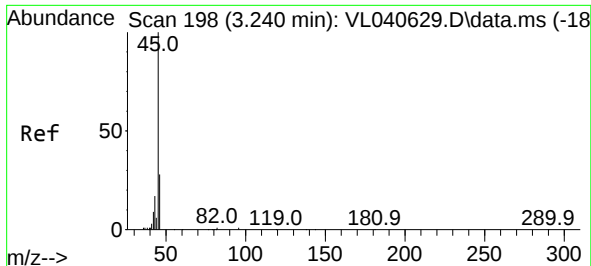
Tgt Ion:101 Resp: 494005
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.075 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Tgt Ion:101 Resp: 362768
 Ion Ratio Lower Upper
 101 100
 151 73.1 56.8 85.2

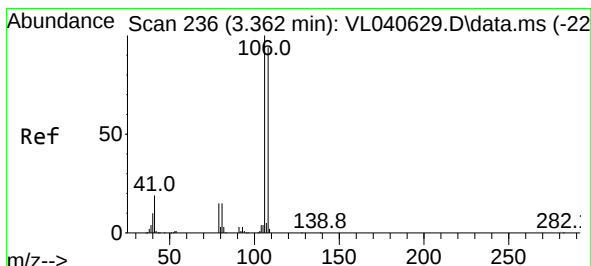
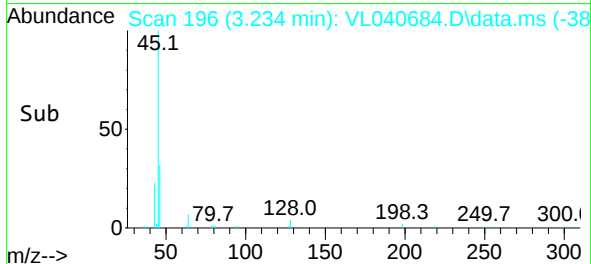
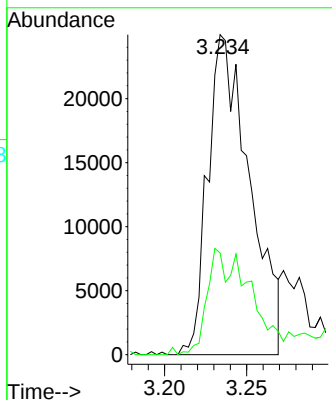
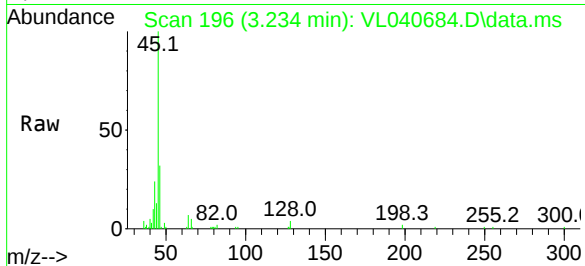




#13
Ethanol
Concen: 2.527 ppbv
RT: 3.234 min Scan# 198
Delta R.T. 0.007 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

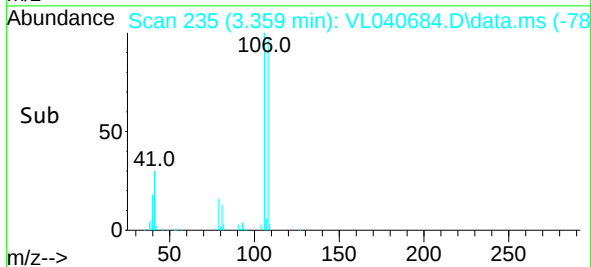
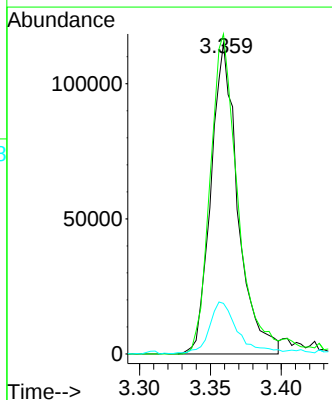
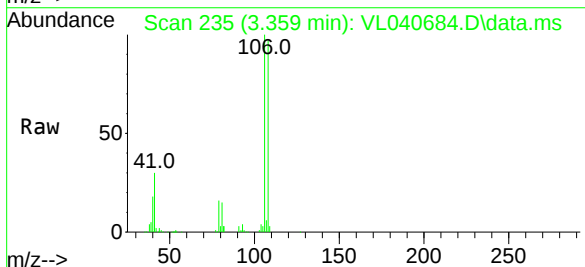
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

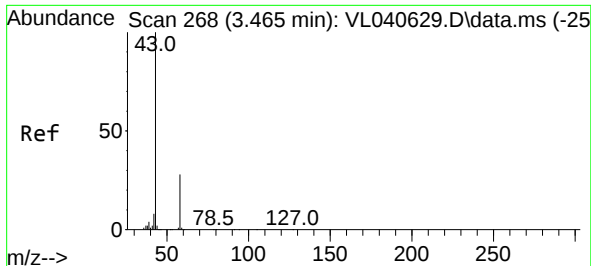
Tgt Ion: 45 Resp: 44296
Ion Ratio Lower Upper
45 100
46 43.7 15.2 61.0



#14
Bromoethene
Concen: 2.080 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 108 Resp: 152491
Ion Ratio Lower Upper
108 100
106 111.1 86.0 129.0
79 19.3 15.6 23.4





#15

Acetone

Concen: 2.136 ppbv

RT: 3.462 min Scan# 2

Delta R.T. 0.007 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

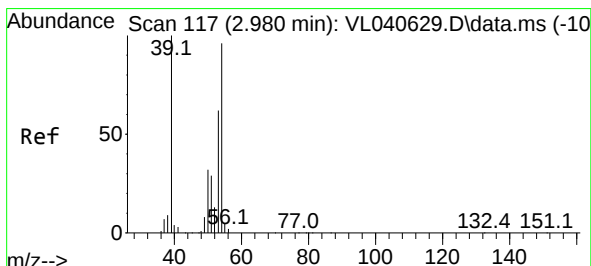
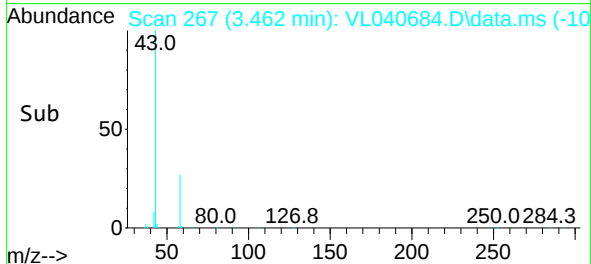
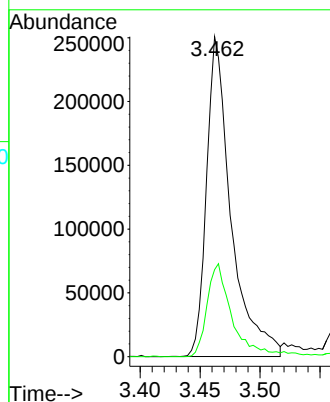
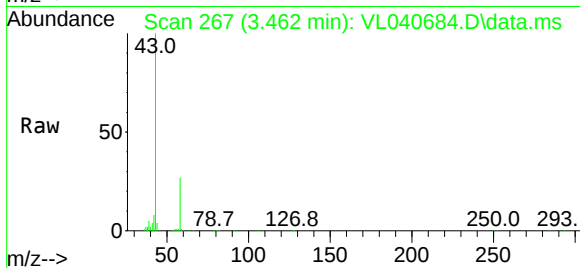
VSTDICC002

Tgt Ion: 43 Resp: 355557

Ion Ratio Lower Upper

43 100

58 30.4 22.6 34.0



#16

1,3-Butadiene

Concen: 2.241 ppbv

RT: 2.977 min Scan# 116

Delta R.T. 0.003 min

Lab File: VL040684.D

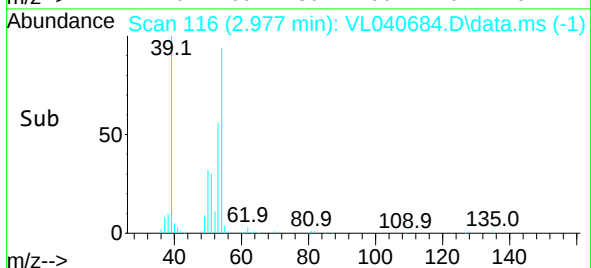
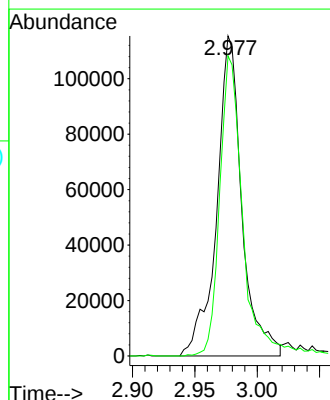
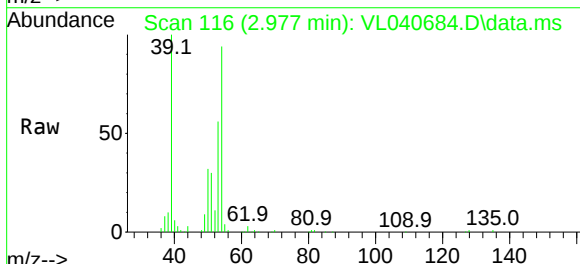
Acq: 14 Sep 2023 14:27

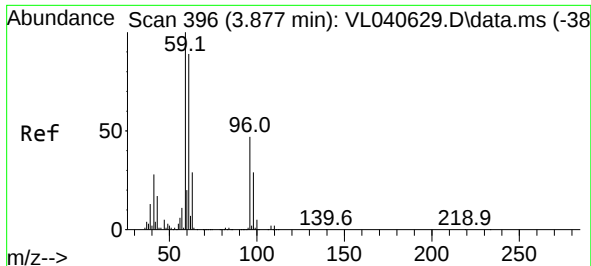
Tgt Ion: 39 Resp: 162558

Ion Ratio Lower Upper

39 100

54 87.2 64.8 97.2





#17

tert-Butyl alcohol

Concen: 2.125 ppbv

RT: 3.874 min Scan# 396

Delta R.T. 0.007 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

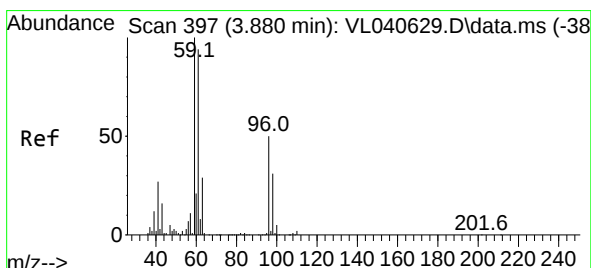
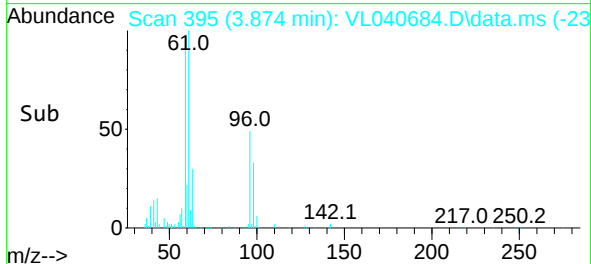
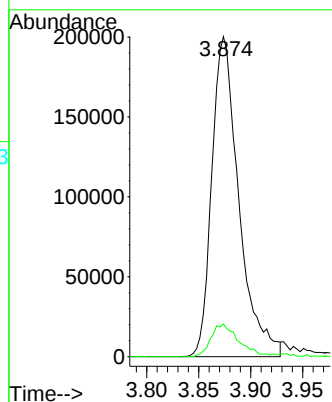
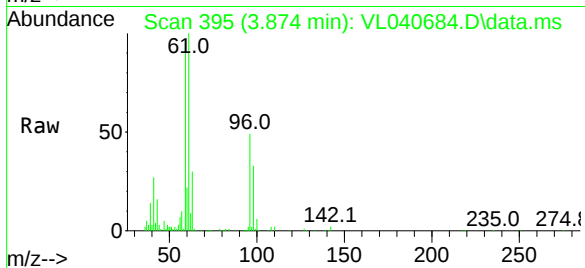
VSTDIC002

Tgt Ion: 59 Resp: 362192

Ion Ratio Lower Upper

59 100

57 11.1 8.7 13.1



#18

1,1-Dichloroethene

Concen: 2.086 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

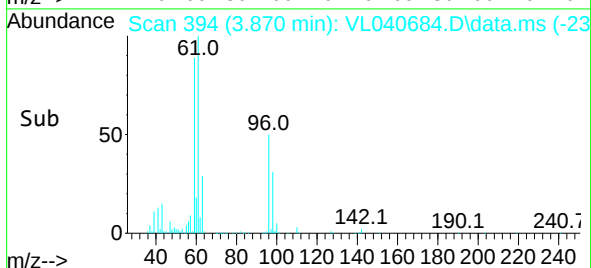
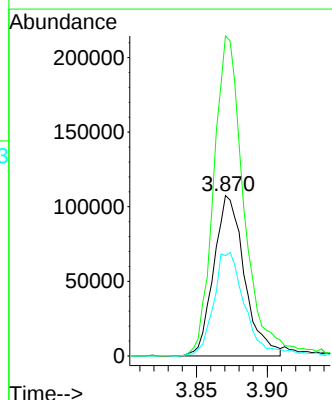
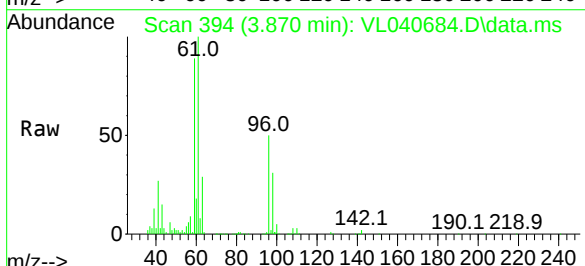
Tgt Ion: 96 Resp: 162073

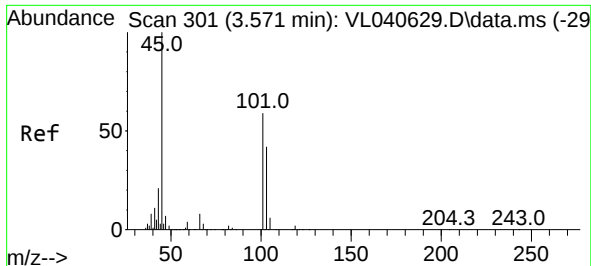
Ion Ratio Lower Upper

96 100

61 199.3 153.6 230.4

98 62.5 51.9 77.9

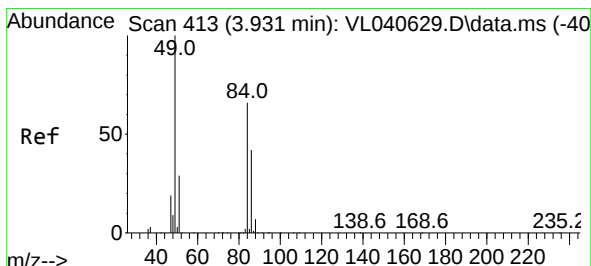
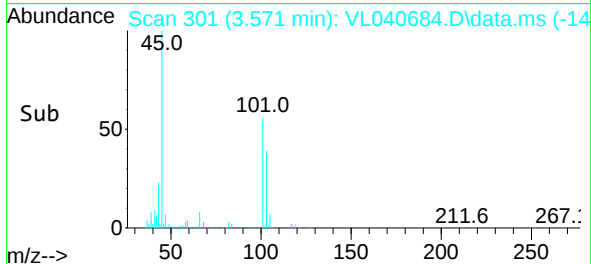
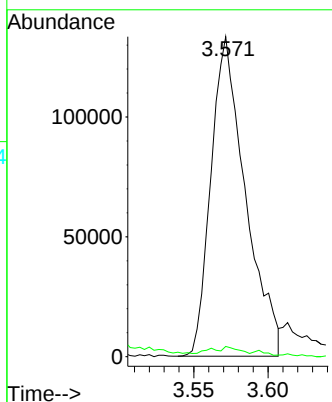
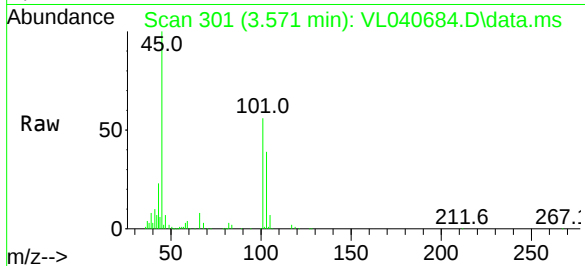




#19
Isopropyl Alcohol
Concen: 2.146 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.007 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

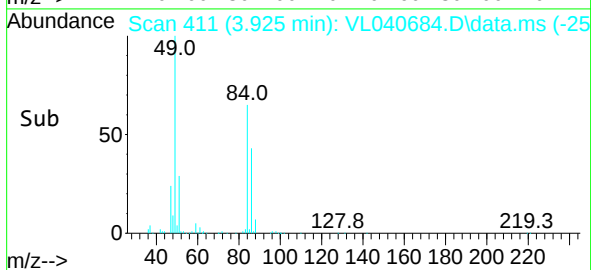
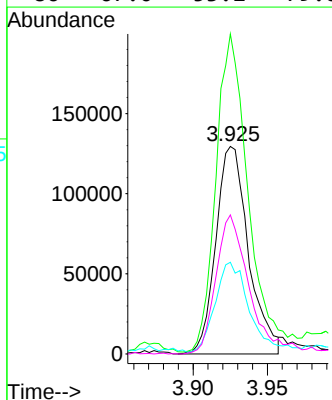
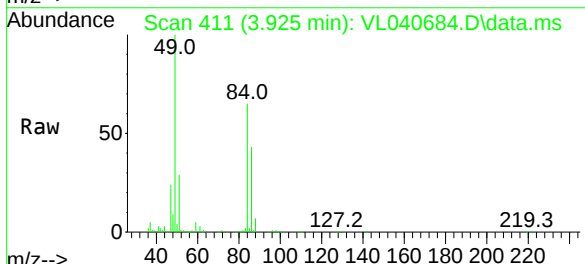
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

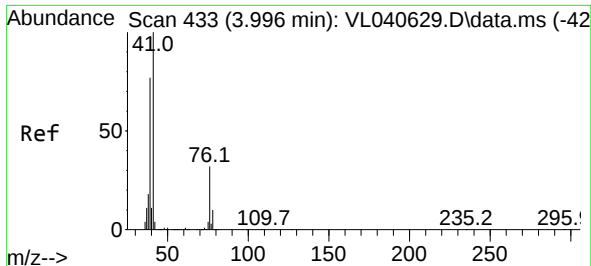
Tgt Ion: 45 Resp: 215152
Ion Ratio Lower Upper
45 100
58 4.1 1.9 2.9#



#20
Methylene Chloride
Concen: 2.212 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 84 Resp: 198110
Ion Ratio Lower Upper
84 100
49 153.1 114.4 171.6
51 42.7 35.5 53.3
86 67.0 53.2 79.8





#21

Allyl Chloride

Concen: 2.070 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

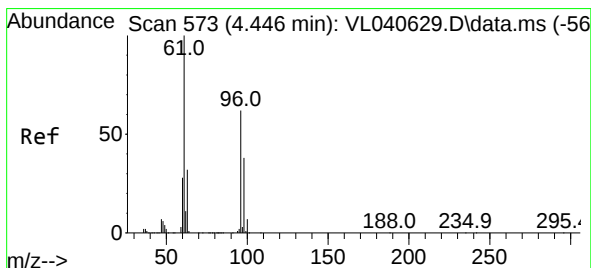
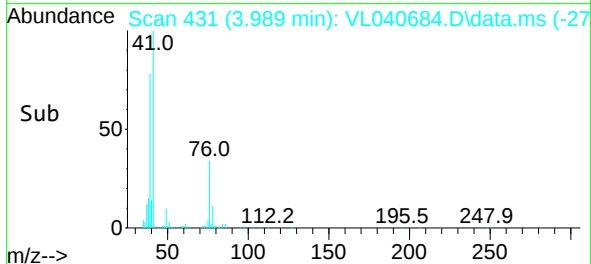
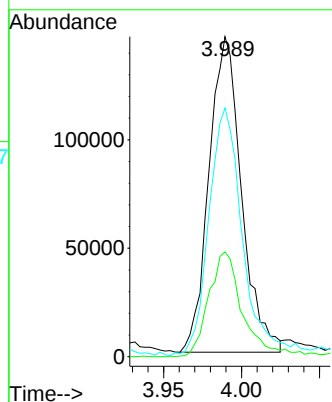
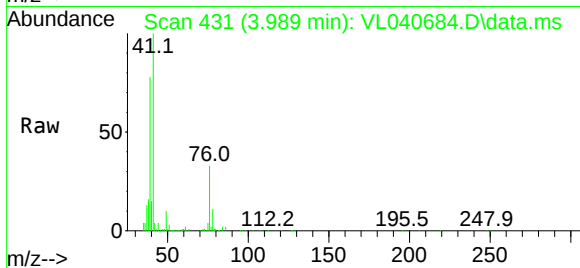
Tgt Ion: 41 Resp: 211114

Ion Ratio Lower Upper

41 100

76 35.5 26.6 40.0

39 83.9 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 2.099 ppbv

RT: 4.440 min Scan# 571

Delta R.T. 0.007 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

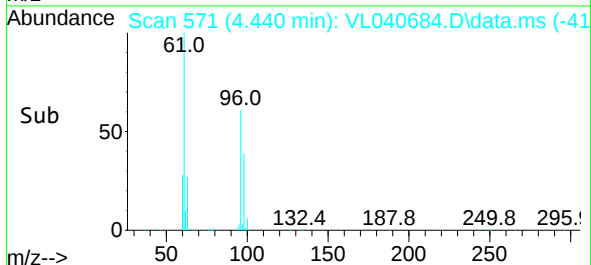
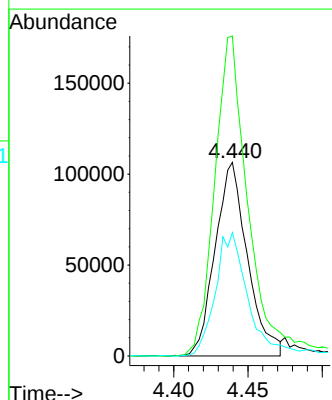
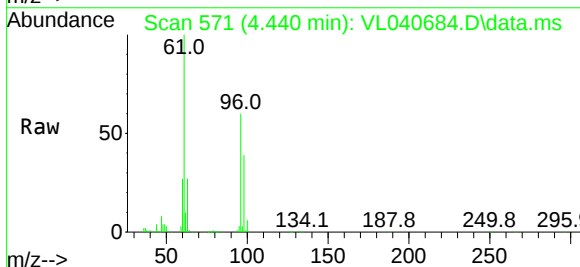
Tgt Ion: 96 Resp: 161292

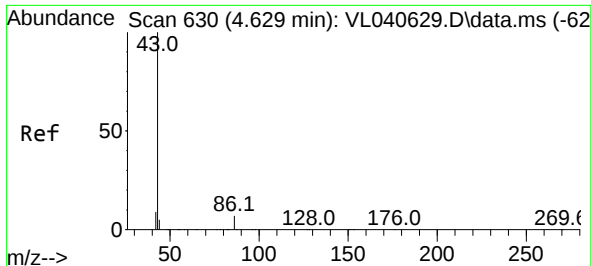
Ion Ratio Lower Upper

96 100

61 164.9 129.9 194.9

98 63.8 50.2 75.4



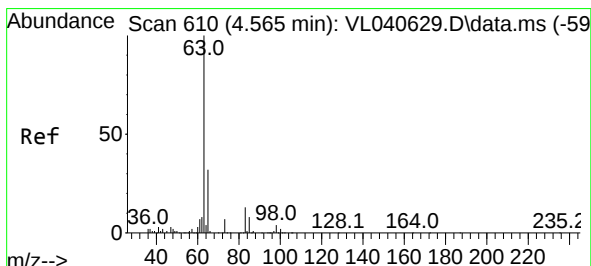
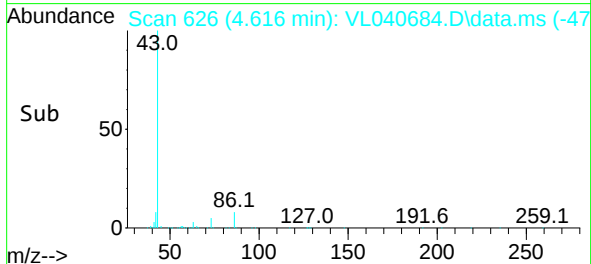
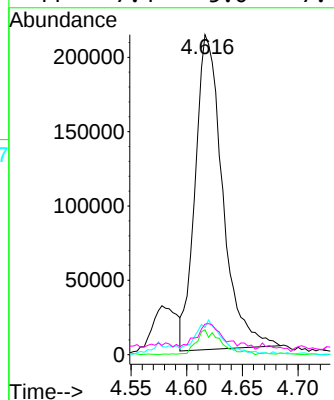
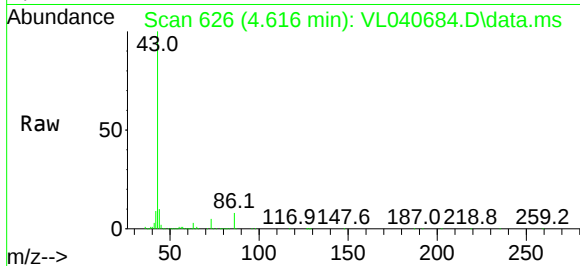


#23
 Vinyl Acetate
 Concen: 2.100 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 361493

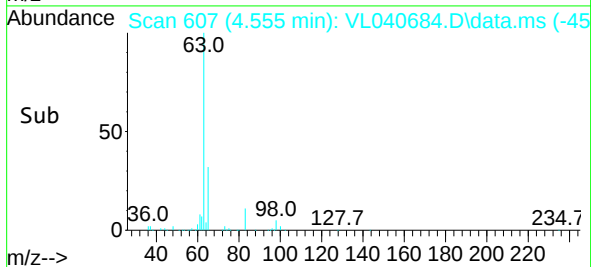
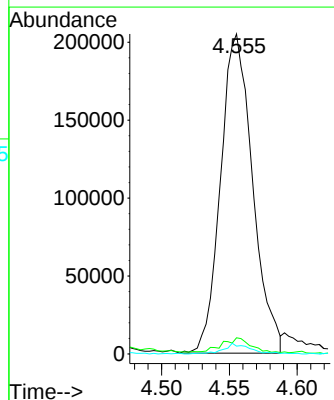
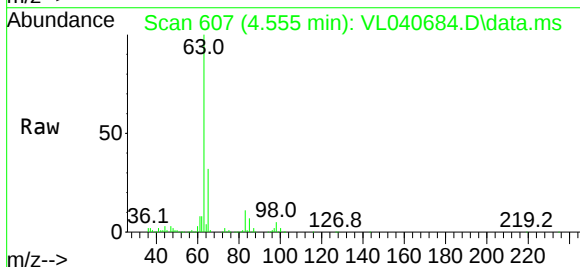
Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.6	8.4
42	8.3	7.6	11.4
44	7.4	5.0	7.4

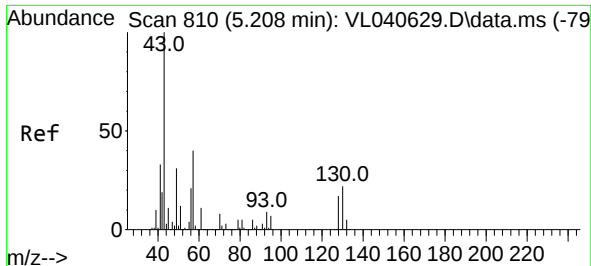


#24
 1,1-Dichloroethane
 Concen: 2.093 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.003 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Tgt Ion: 63 Resp: 337111

Ion	Ratio	Lower	Upper
63	100		
98	4.6	1.8	5.5
100	2.3	1.2	3.6



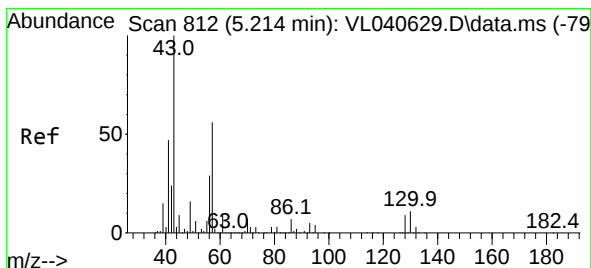
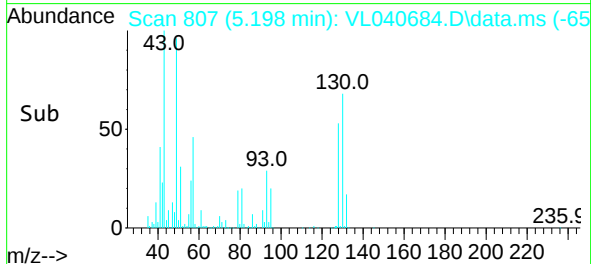
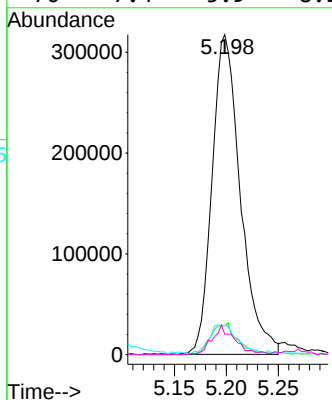
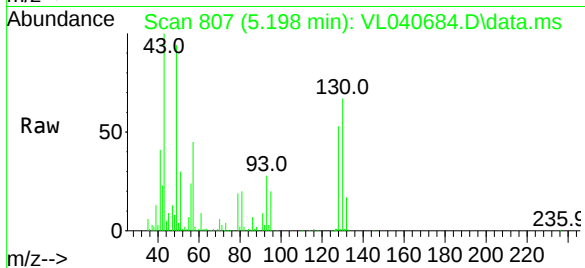


#25
Ethyl Acetate
Concen: 2.238 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 600672

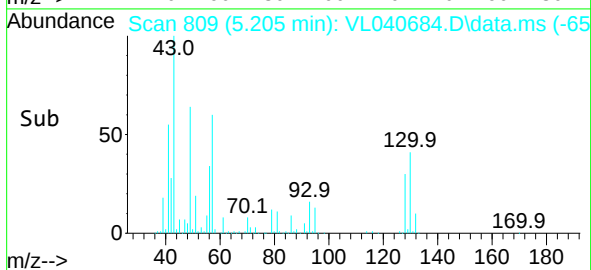
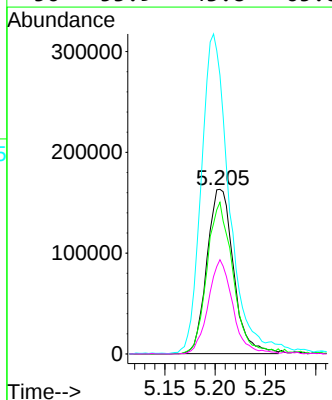
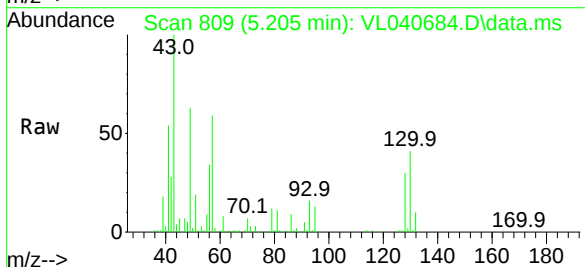
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.8	8.2	12.4
70	7.4	5.9	8.9

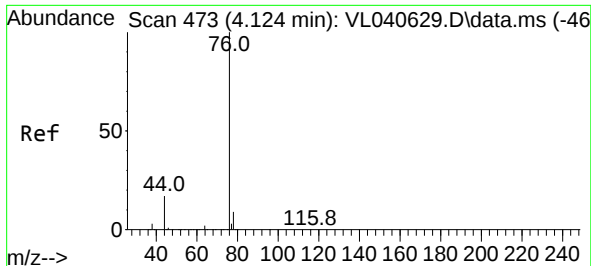


#26
Hexane
Concen: 2.359 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 57 Resp: 299355

Ion	Ratio	Lower	Upper
57	100		
41	92.3	75.2	112.8
43	206.7	185.6	278.4
56	53.9	43.8	65.8

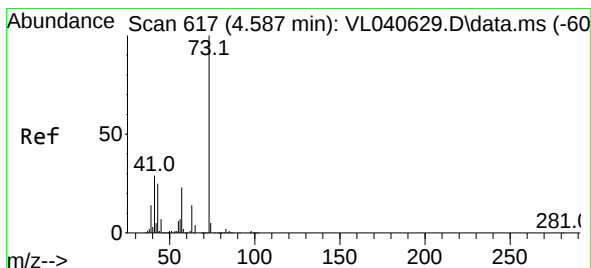
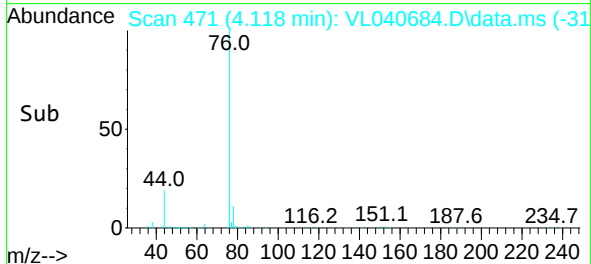
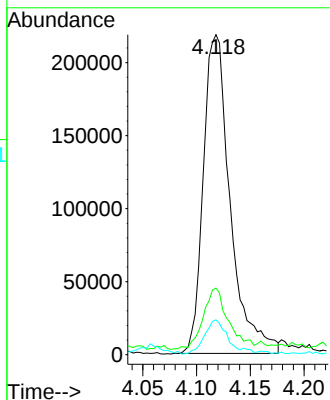
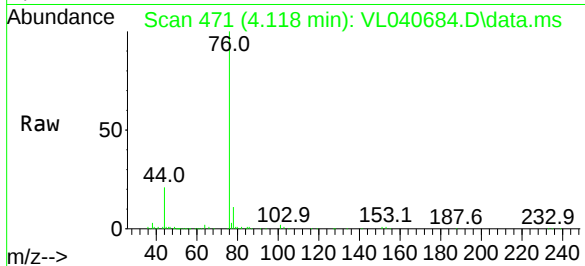




#27
Carbon Disulfide
Concen: 2.148 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

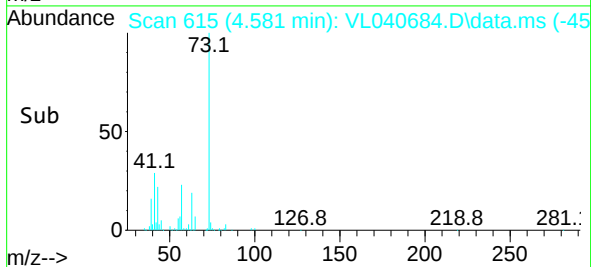
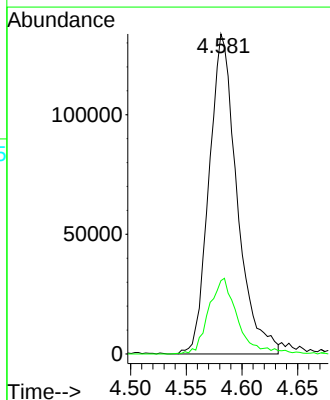
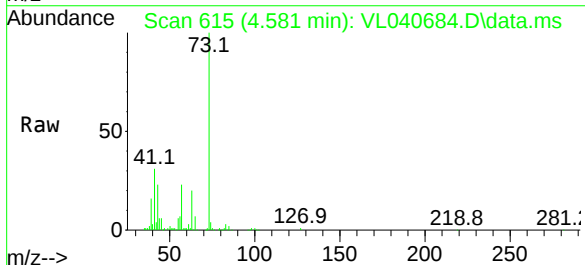
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

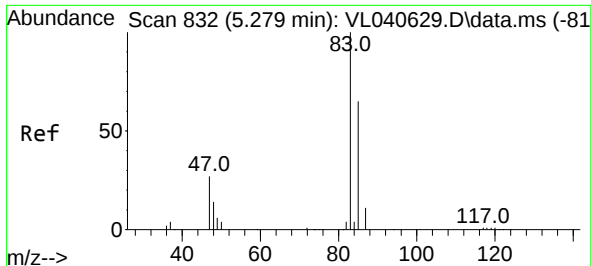
Tgt Ion: 76 Resp: 380236
Ion Ratio Lower Upper
76 100
44 19.8 14.5 21.7
78 10.5 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 2.140 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 73 Resp: 233720
Ion Ratio Lower Upper
73 100
57 24.6 18.8 28.2





#29

Chloroform

Concen: 2.094 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

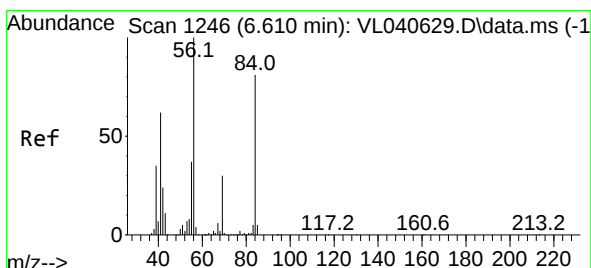
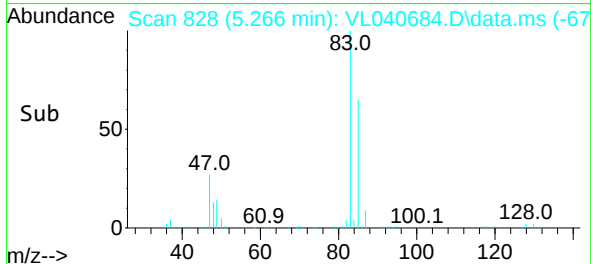
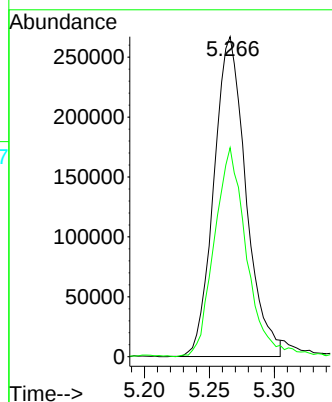
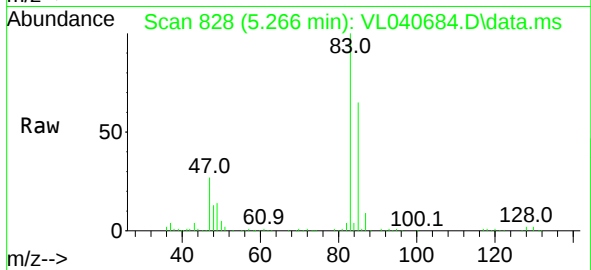
VSTDICC002

Tgt Ion: 83 Resp: 458834

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.8



#30

Cyclohexane

Concen: 2.114 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

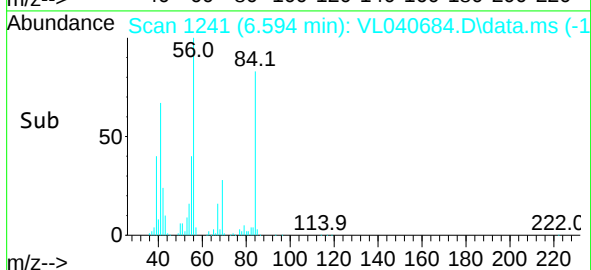
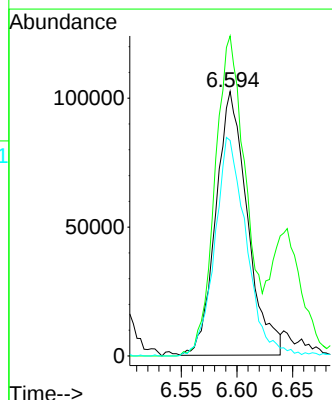
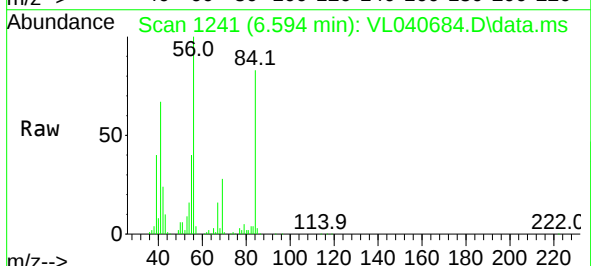
Tgt Ion: 84 Resp: 202089

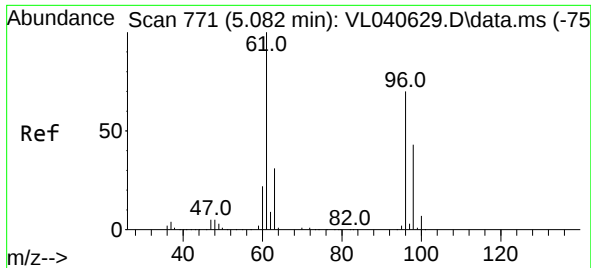
Ion Ratio Lower Upper

84 100

56 120.2 103.2 154.8

41 83.4 65.5 98.3

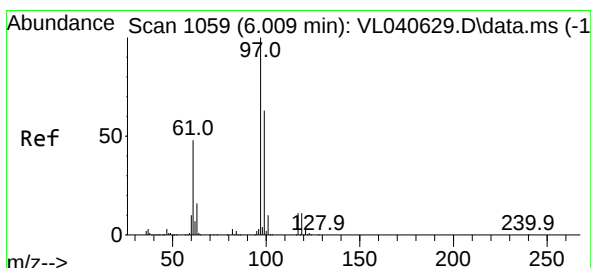
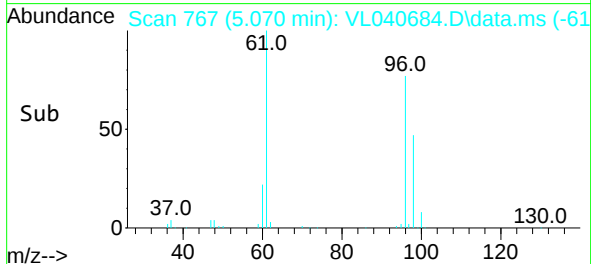
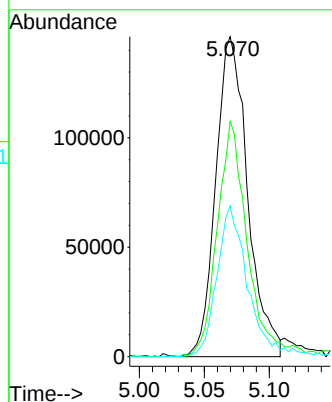
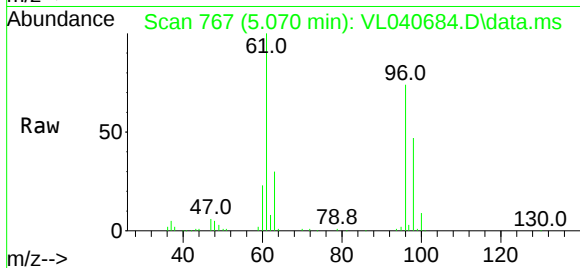




#31
 cis-1,2-Dichloroethene
 Concen: 2.117 ppbv
 RT: 5.070 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

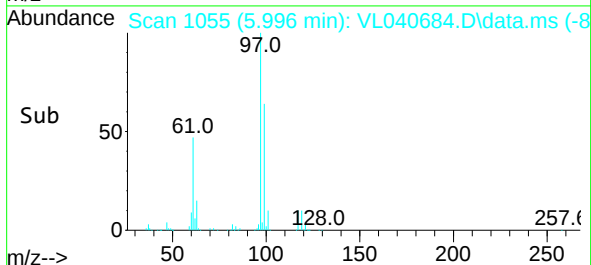
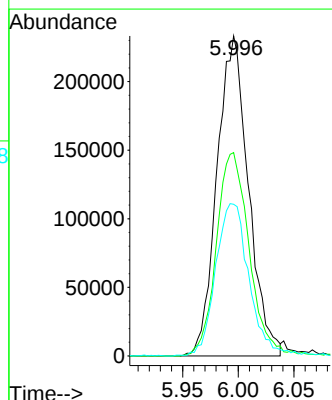
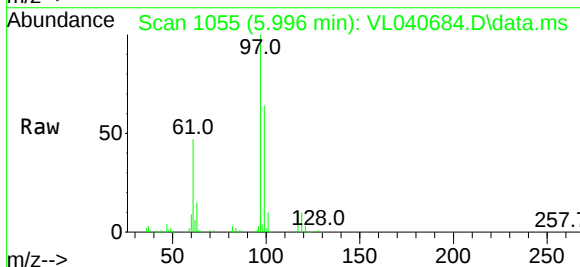
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

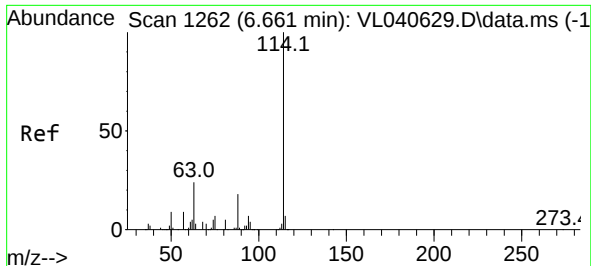
Tgt Ion: 61 Resp: 249275
 Ion Ratio Lower Upper
 61 100
 96 73.4 51.2 76.8
 98 47.1 32.3 48.5



#32
 1,1,1-Trichloroethane
 Concen: 2.047 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VL040684.D
 Acq: 14 Sep 2023 14:27

Tgt Ion: 97 Resp: 458578
 Ion Ratio Lower Upper
 97 100
 99 66.7 52.4 78.6
 61 51.2 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

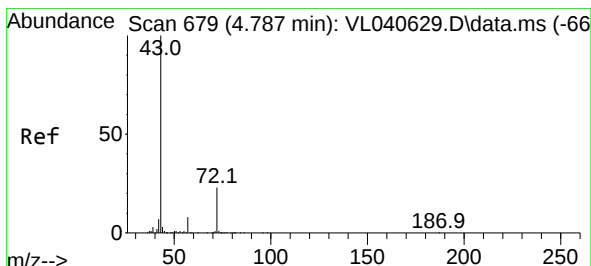
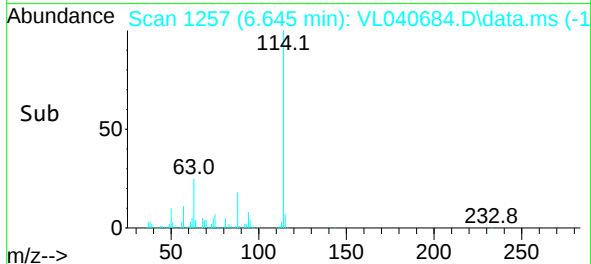
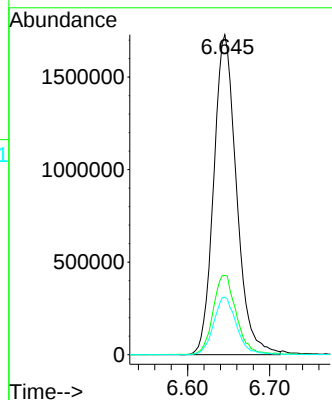
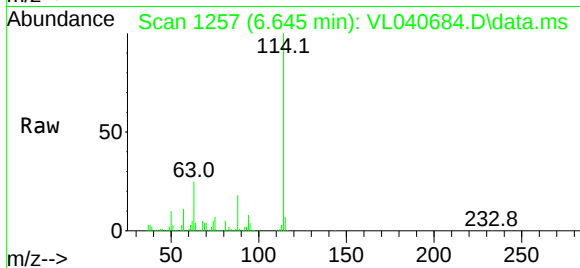
Tgt Ion:114 Resp: 3340089

Ion Ratio Lower Upper

114 100

63 25.7 21.1 31.7

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 2.043 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.003 min

Lab File: VL040684.D

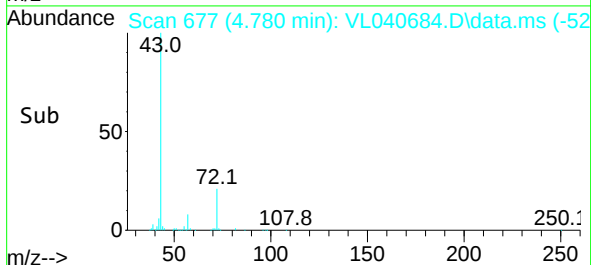
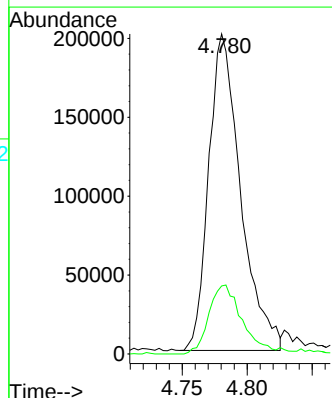
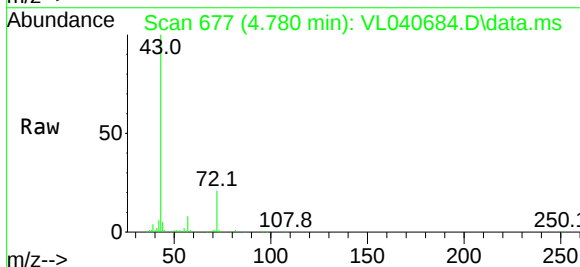
Acq: 14 Sep 2023 14:27

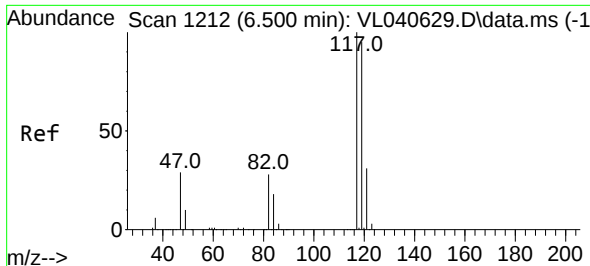
Tgt Ion: 43 Resp: 343102

Ion Ratio Lower Upper

43 100

72 24.1 18.6 27.8

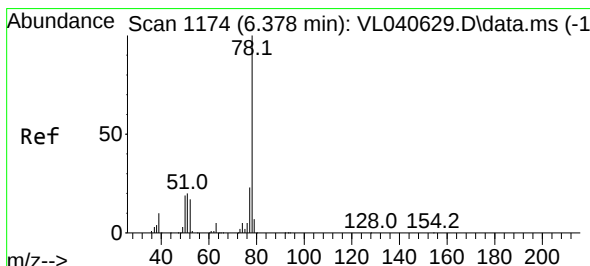
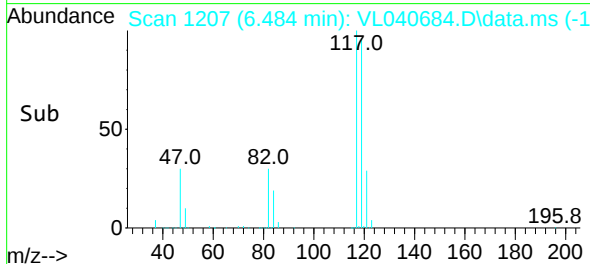
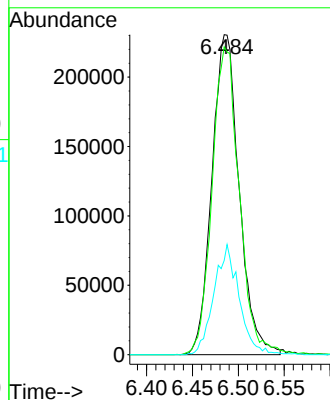
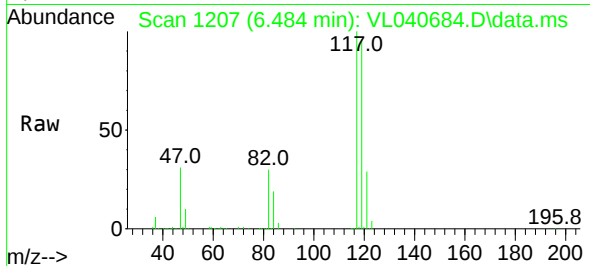




#35
Carbon Tetrachloride
Concen: 2.078 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

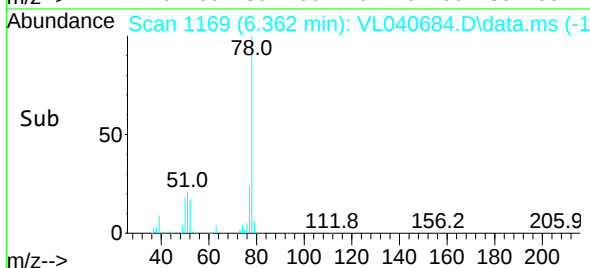
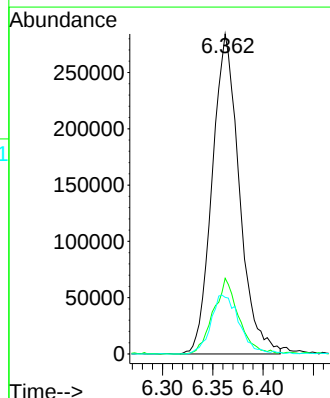
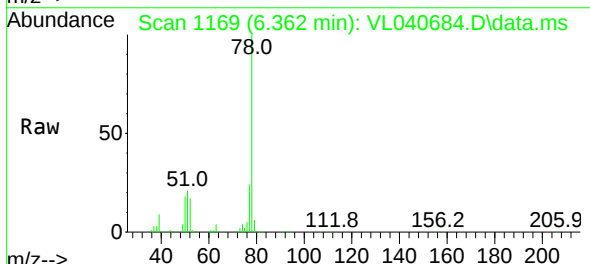
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

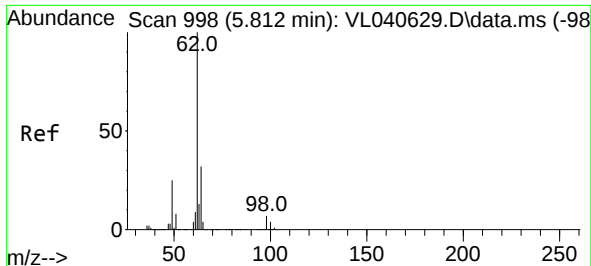
Tgt Ion:117 Resp: 476550
Ion Ratio Lower Upper
117 100
119 96.2 78.6 117.8
121 29.5 24.7 37.1



#36
Benzene
Concen: 2.153 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 78 Resp: 532414
Ion Ratio Lower Upper
78 100
77 23.7 17.9 26.9
50 17.7 17.3 25.9





#37

1,2-Dichloroethane

Concen: 2.016 ppbv

RT: 5.796 min Scan# 998

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

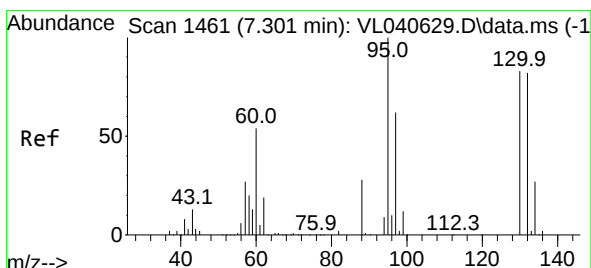
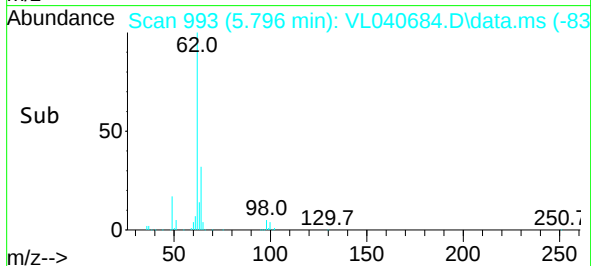
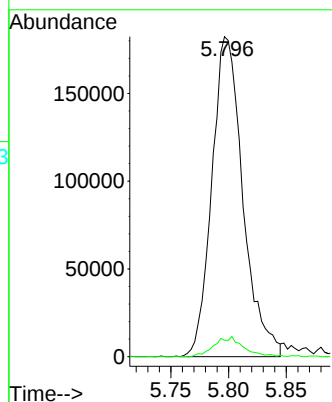
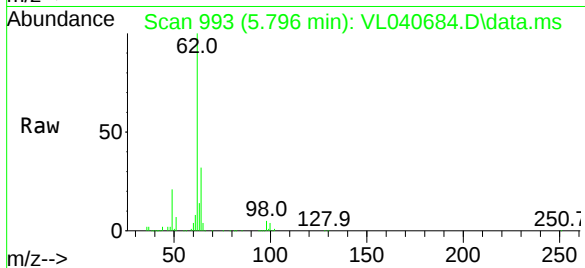
VSTDIC002

Tgt Ion: 62 Resp: 341315

Ion Ratio Lower Upper

62 100

98 6.0 4.2 6.4



#38

Trichloroethene

Concen: 2.174 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Tgt Ion:130 Resp: 205019

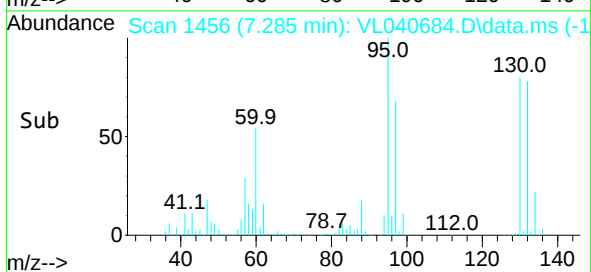
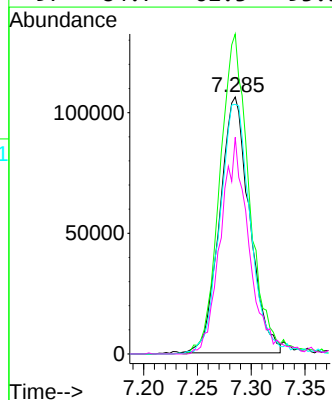
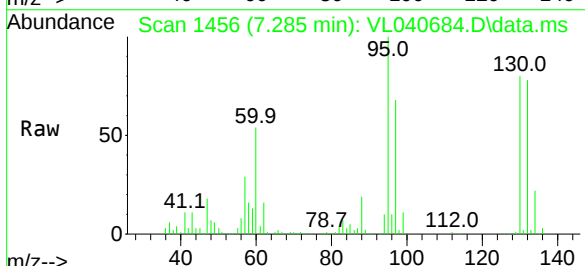
Ion Ratio Lower Upper

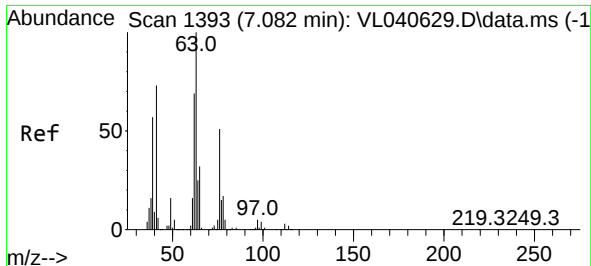
130 100

95 124.7 91.9 137.9

132 97.2 77.3 115.9

97 84.7 62.3 93.5





#39

1,2-Dichloropropane

Concen: 2.070 ppbv

RT: 7.063 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

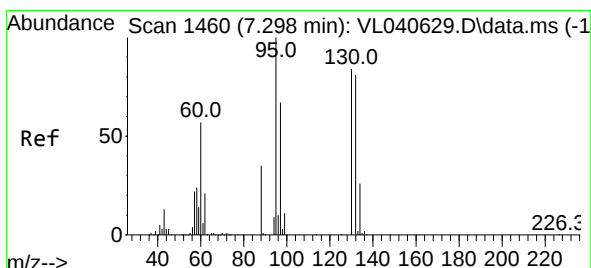
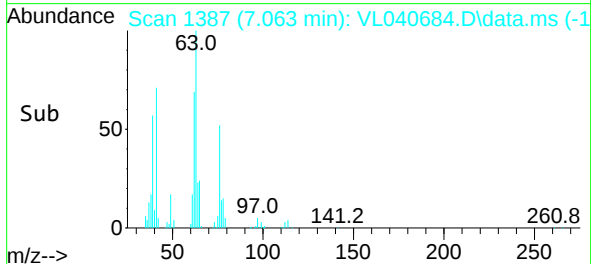
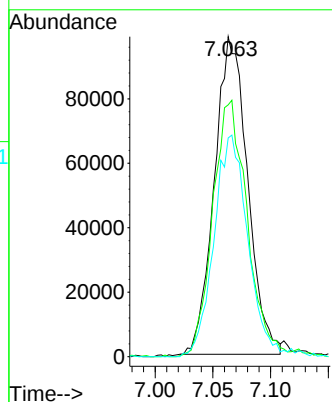
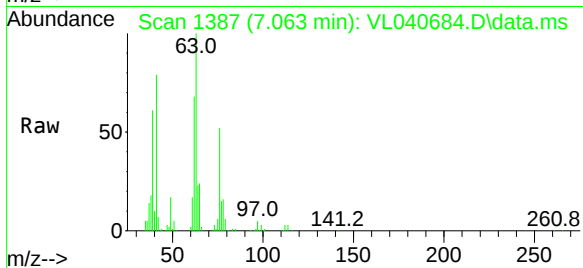
Tgt Ion: 63 Resp: 197032

Ion Ratio Lower Upper

63 100

41 79.0 61.6 92.4

62 68.8 55.8 83.8



#40

1,4-Dioxane

Concen: 2.096 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.010 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Tgt Ion: 88 Resp: 75431

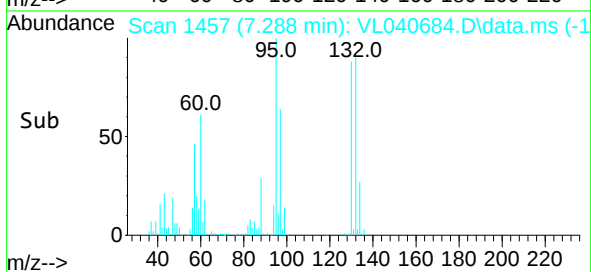
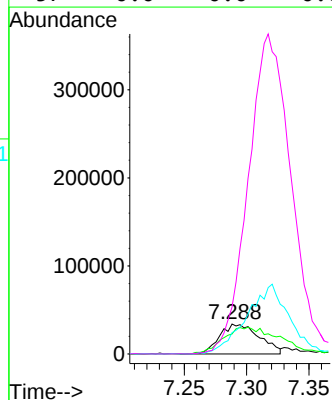
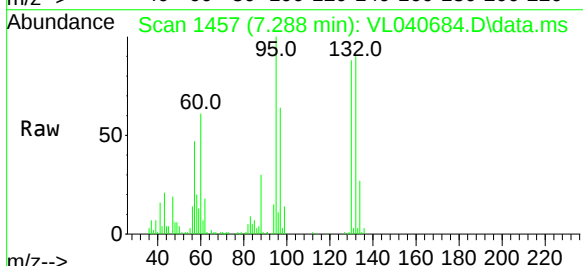
Ion Ratio Lower Upper

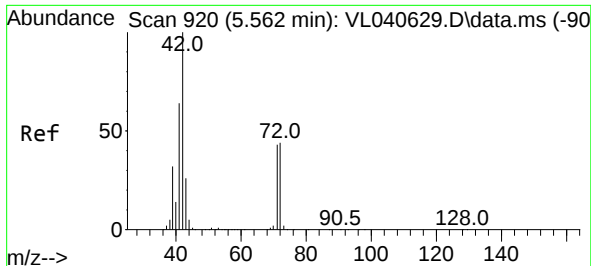
88 100

58 129.2 92.7 139.1

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.159 ppbv

RT: 5.555 min Scan# 918

Delta R.T. 0.007 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

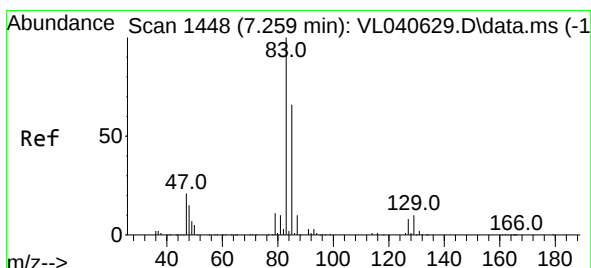
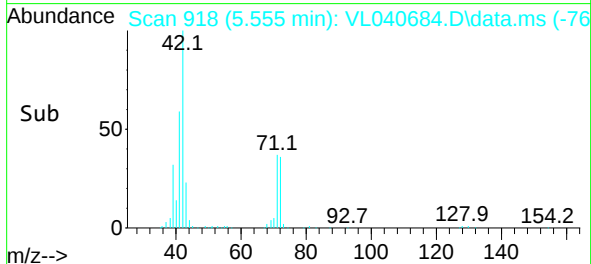
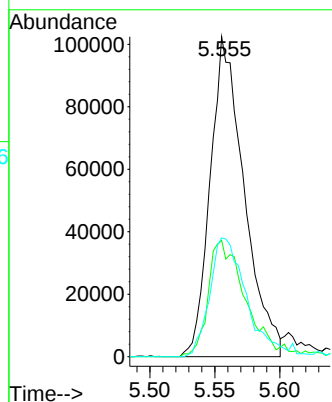
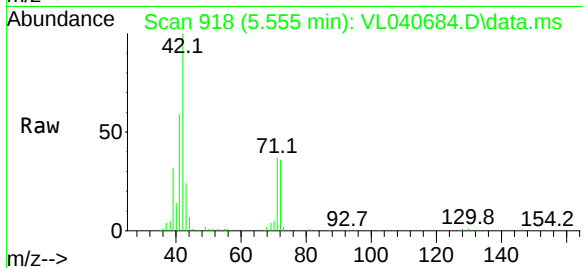
Tgt Ion: 42 Resp: 185969

Ion Ratio Lower Upper

42 100

72 41.5 34.9 52.3

71 41.8 33.8 50.8



#42

Bromodichloromethane

Concen: 2.061 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

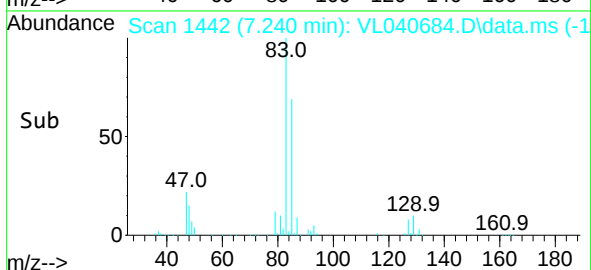
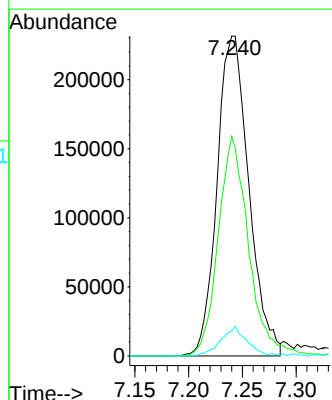
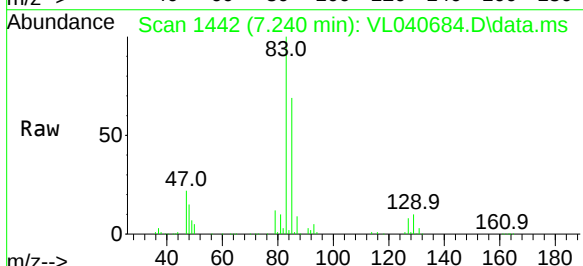
Tgt Ion: 83 Resp: 475995

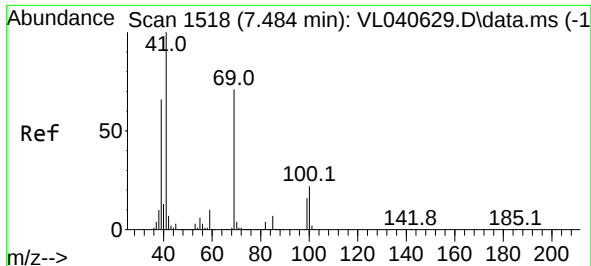
Ion Ratio Lower Upper

83 100

85 68.7 51.2 76.8

127 7.8 6.2 9.4

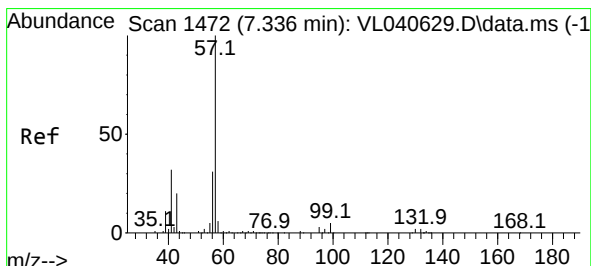
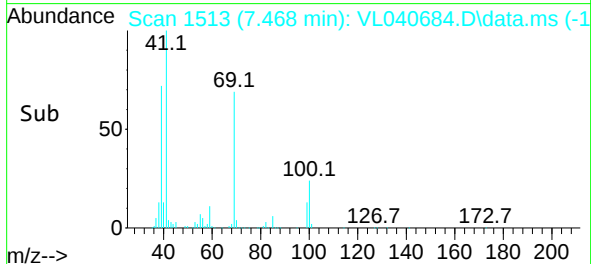
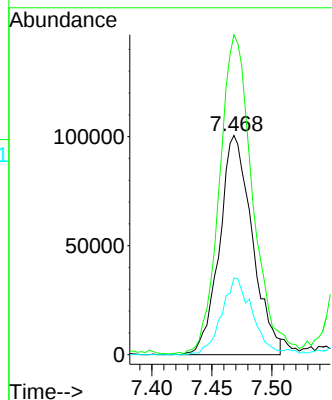
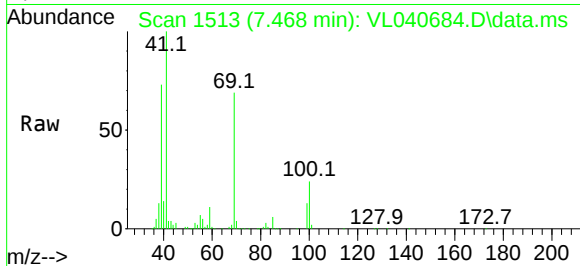




#43
Methyl Methacrylate
Concen: 2.070 ppbv
RT: 7.468 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

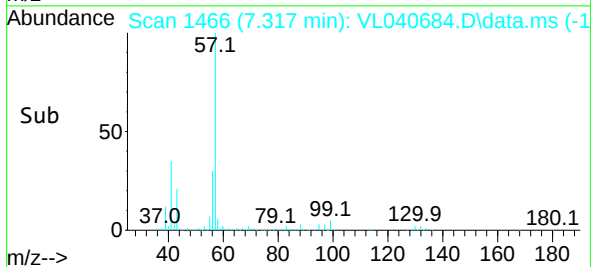
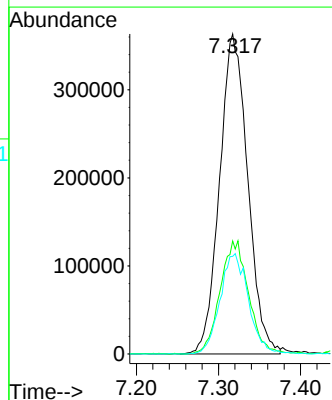
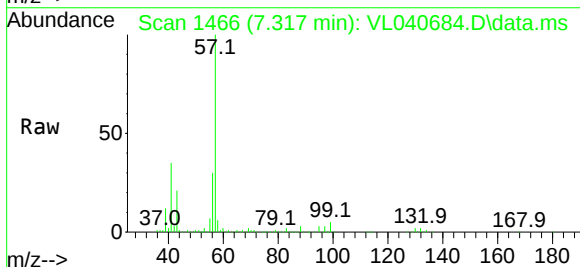
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

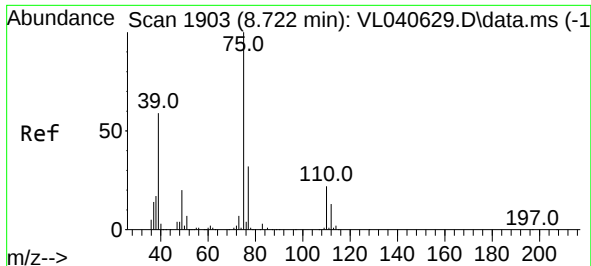
Tgt Ion: 69 Resp: 190325
Ion Ratio Lower Upper
69 100
41 148.6 113.8 170.8
100 33.7 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 2.202 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 57 Resp: 867248
Ion Ratio Lower Upper
57 100
41 35.9 28.5 42.7
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 1.830 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

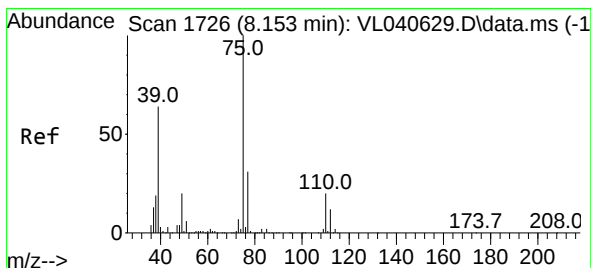
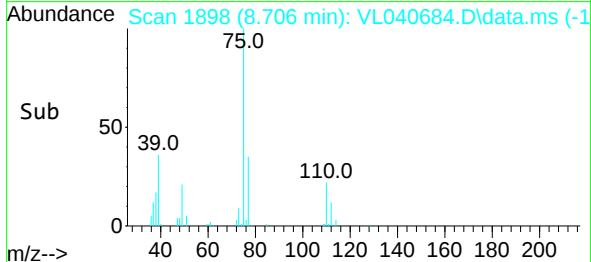
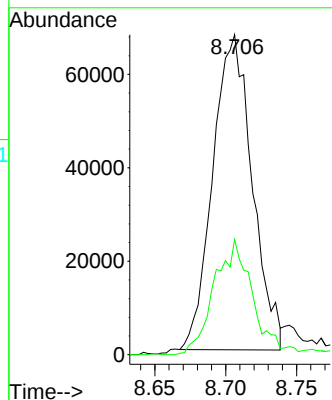
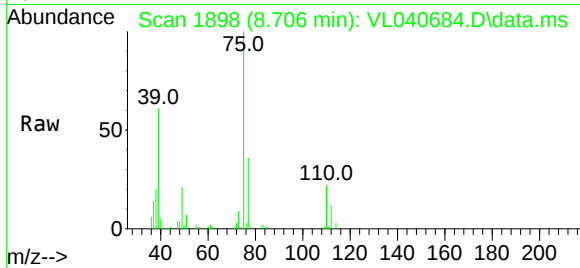
VSTDIC002

Tgt Ion: 75 Resp: 130463

Ion Ratio Lower Upper

75 100

77 36.1 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 2.073 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

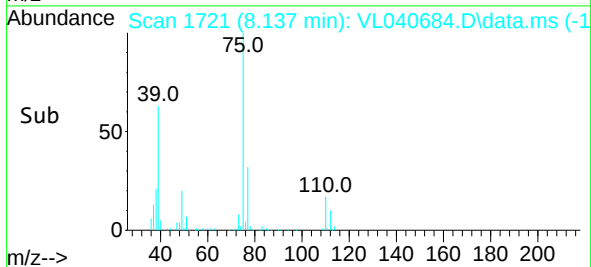
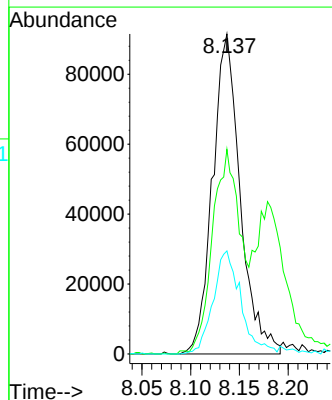
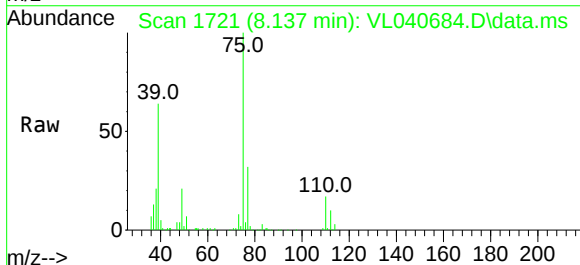
Tgt Ion: 75 Resp: 180786

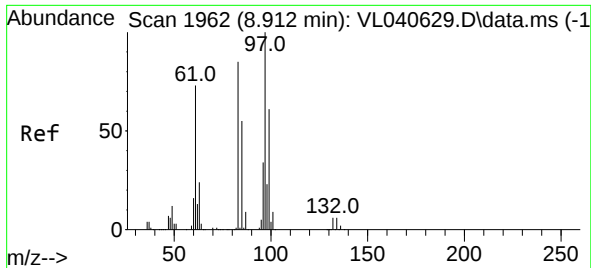
Ion Ratio Lower Upper

75 100

39 63.0 54.0 81.0

77 32.2 23.6 35.4

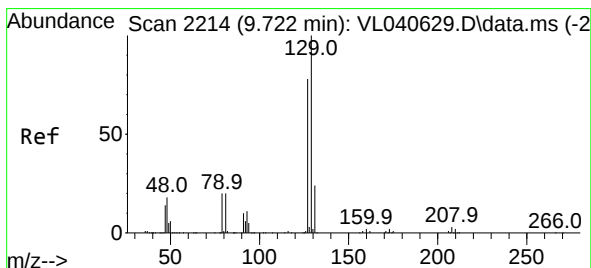
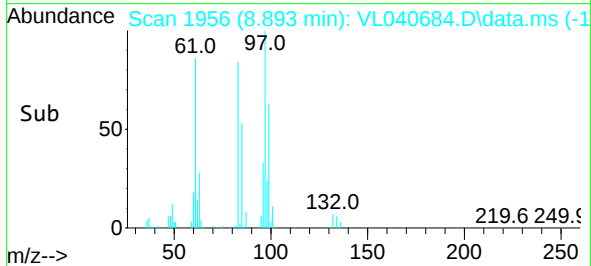
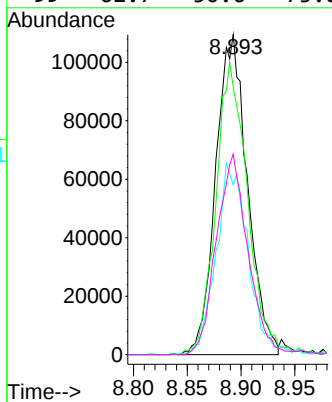
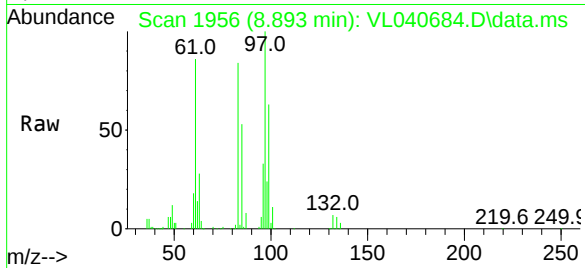




#47
1,1,2-Trichloroethane
Concen: 2.051 ppbv
RT: 8.893 min Scan# 1962
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

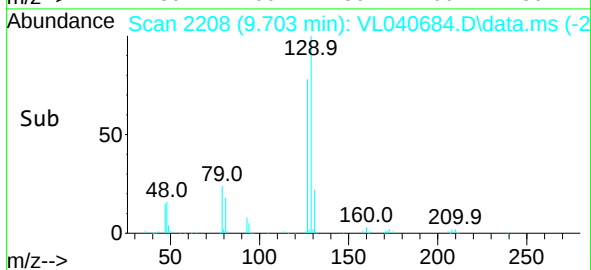
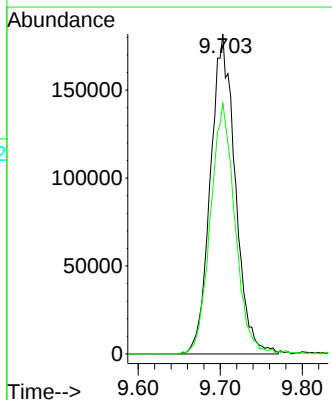
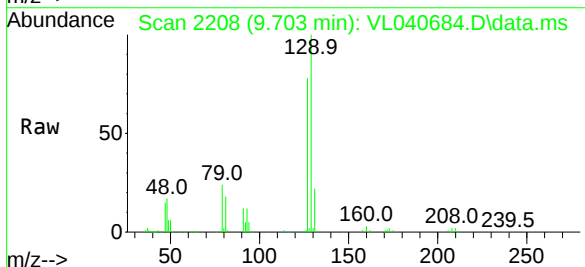
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

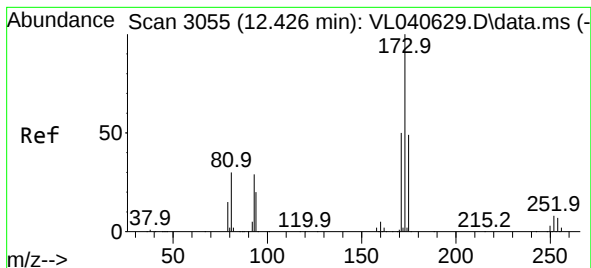
Tgt Ion: 97 Resp: 224125
Ion Ratio Lower Upper
97 100
83 83.6 70.8 106.2
85 52.9 45.7 68.5
99 62.7 50.6 75.8



#48
Dibromochloromethane
Concen: 2.119 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 129 Resp: 381949
Ion Ratio Lower Upper
129 100
127 78.1 39.4 118.2





#49

Bromoform

Concen: 2.071 ppbv

RT: 12.397 min Scan# 3055

Delta R.T. -0.006 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

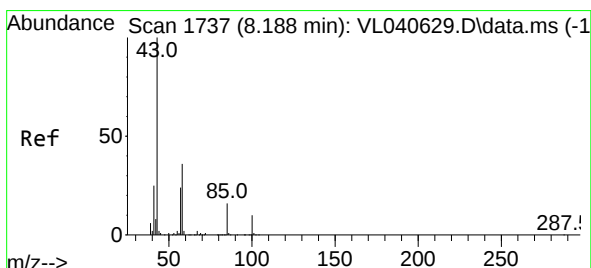
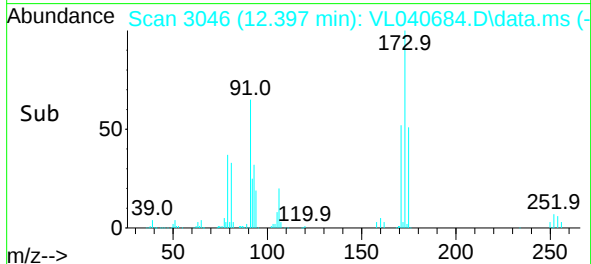
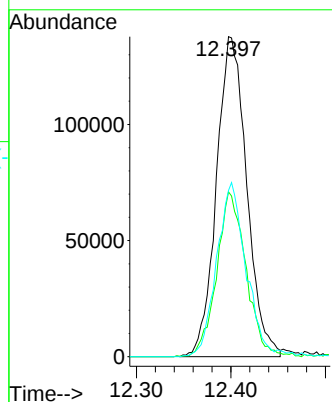
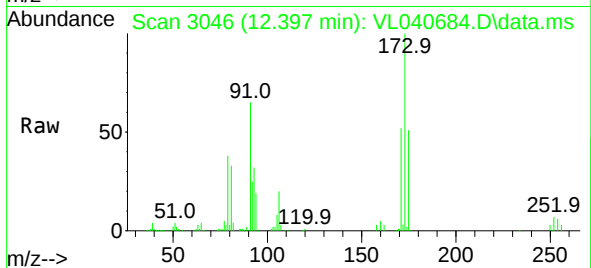
Tgt Ion:173 Resp: 306588

Ion Ratio Lower Upper

173 100

175 49.9 38.8 58.2

171 53.6 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 2.138 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.010 min

Lab File: VL040684.D

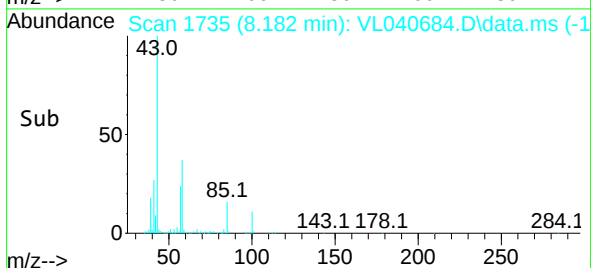
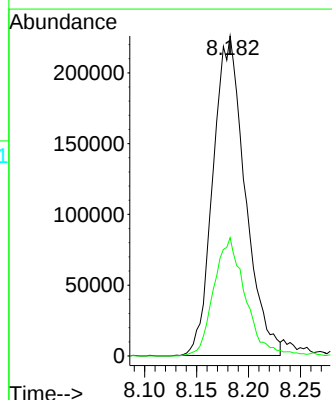
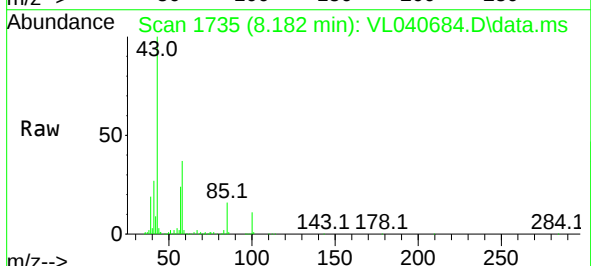
Acq: 14 Sep 2023 14:27

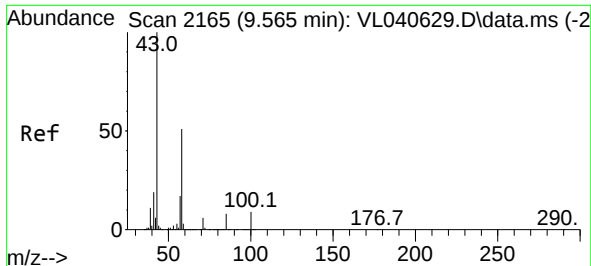
Tgt Ion: 43 Resp: 485239

Ion Ratio Lower Upper

43 100

58 37.1 28.2 42.4

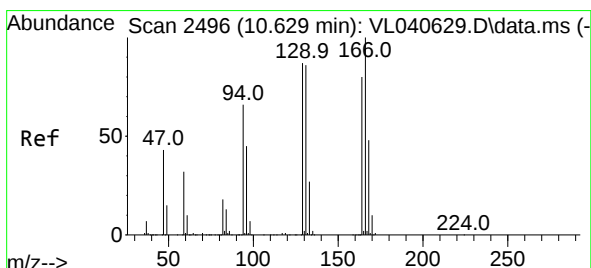
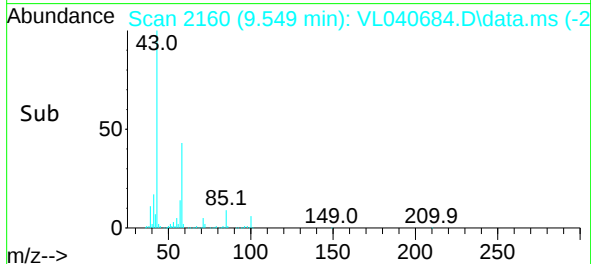
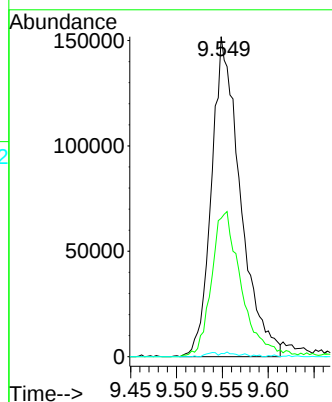
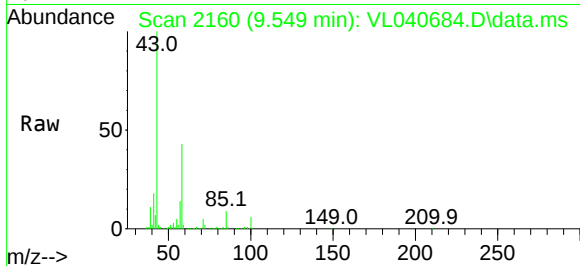




#51
2-Hexanone
Concen: 2.118 ppbv
RT: 9.549 min Scan# 2165
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

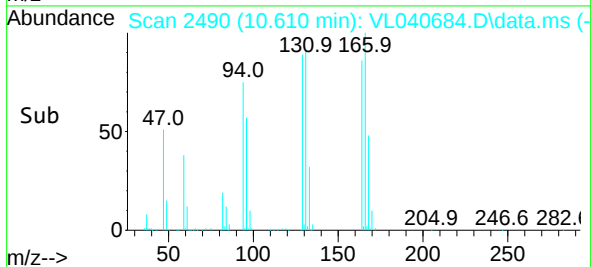
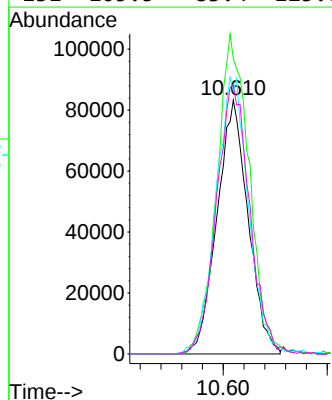
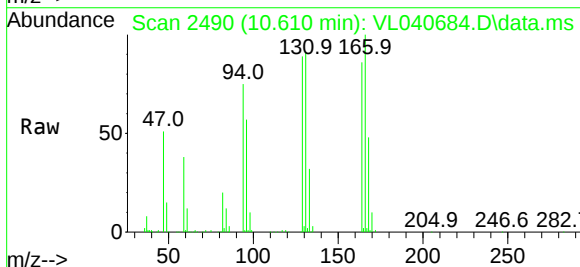
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

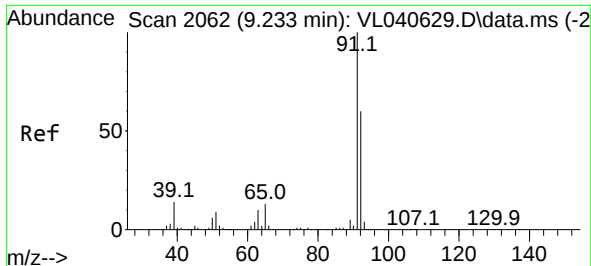
Tgt Ion: 43 Resp: 331765
Ion Ratio Lower Upper
43 100
58 47.6 37.6 56.4
98 1.4 0.6 1.0#



#52
Tetrachloroethene
Concen: 2.143 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 164 Resp: 172939
Ion Ratio Lower Upper
164 100
166 116.0 103.4 155.2
129 103.3 83.5 125.3
131 105.5 83.4 125.0

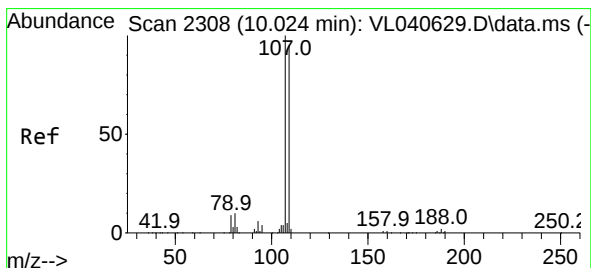
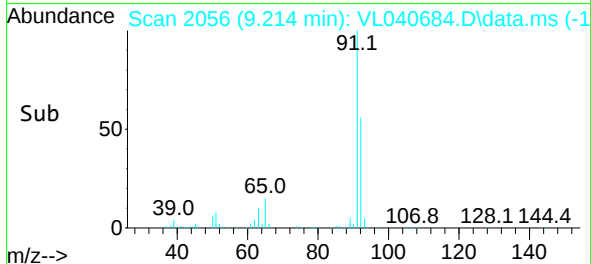
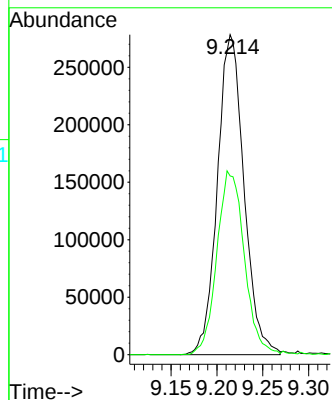
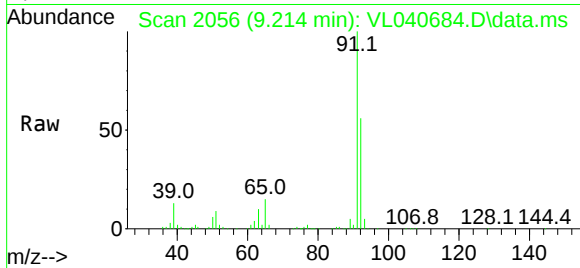




#53
Toluene
Concen: 2.150 ppbv
RT: 9.214 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

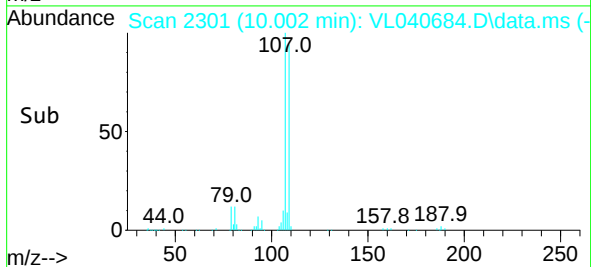
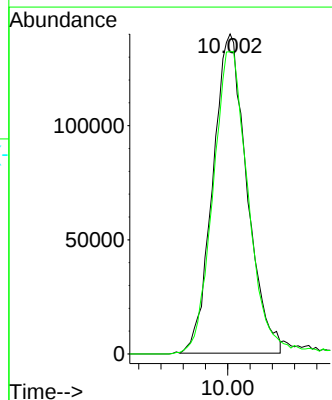
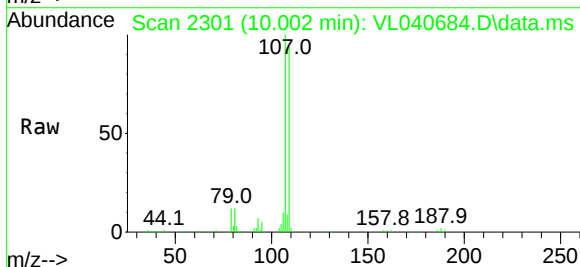
Instrument : MSVOA_1
ClientSampleId : VSTDIC002

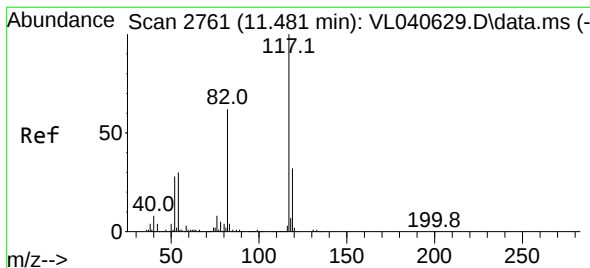
Tgt Ion: 91 Resp: 561524
Ion Ratio Lower Upper
91 100
92 59.7 48.5 72.7



#54
1,2-Dibromoethane
Concen: 2.132 ppbv
RT: 10.002 min Scan# 2301
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 107 Resp: 297358
Ion Ratio Lower Upper
107 100
109 94.2 72.4 108.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.459 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

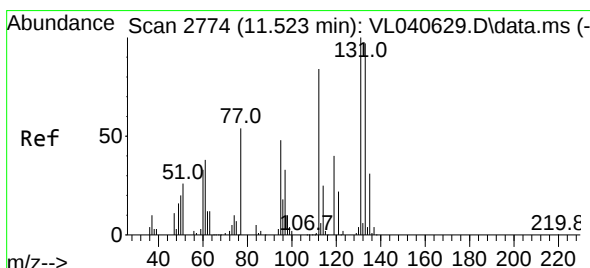
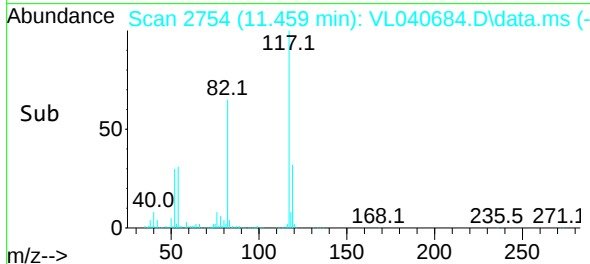
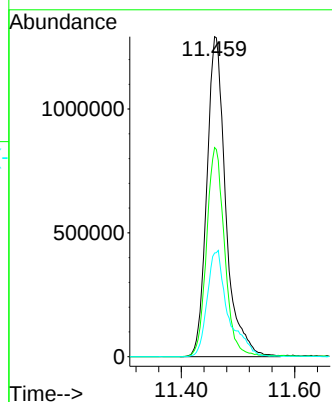
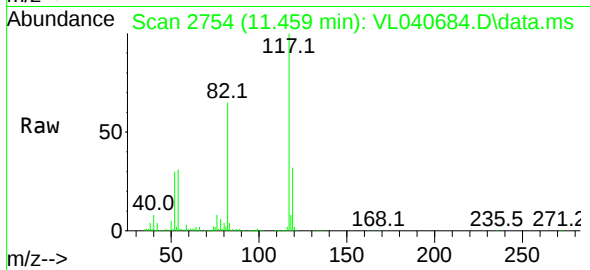
Tgt Ion:117 Resp: 2996221

Ion Ratio Lower Upper

117 100

82 62.6 51.4 77.0

119 37.0 24.7 37.1



#56

1,1,1,2-Tetrachloroethane

Concen: 0.864 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

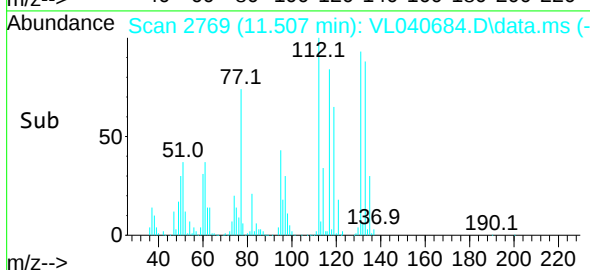
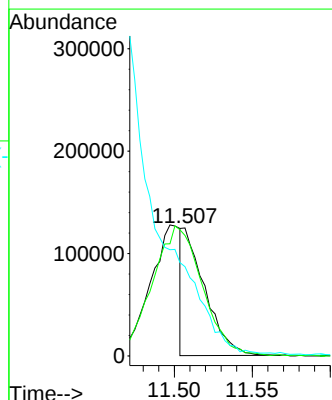
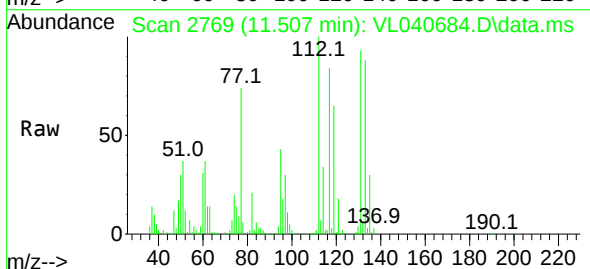
Tgt Ion:131 Resp: 123336

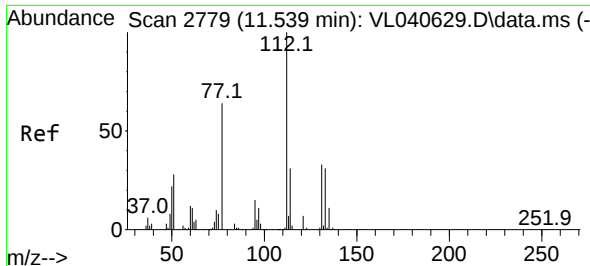
Ion Ratio Lower Upper

131 100

133 0.0 76.2 114.2#

119 0.0 45.5 68.3#

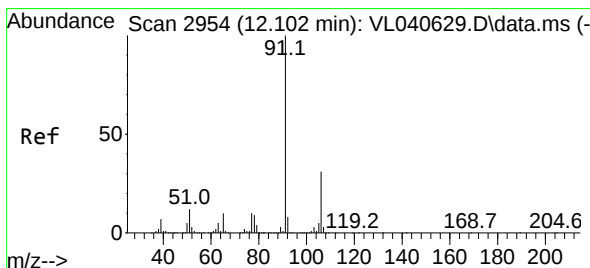
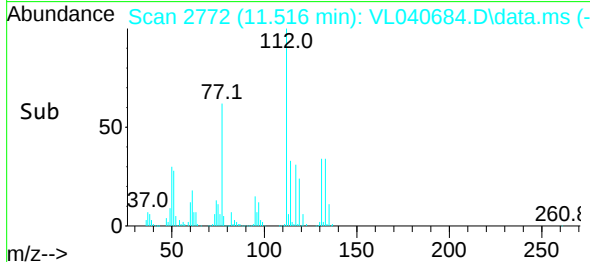
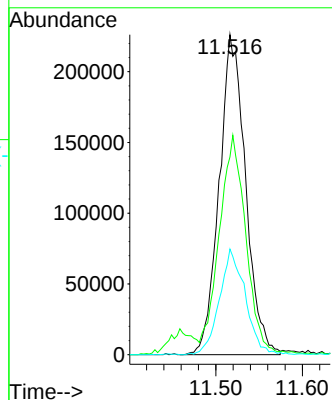
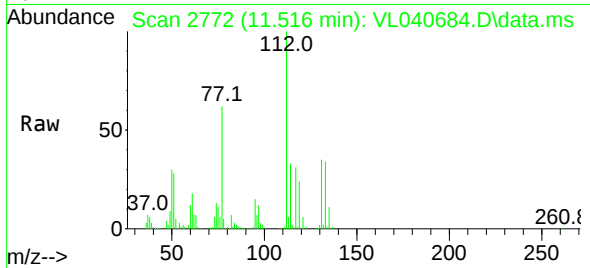




#57
Chlorobenzene
Concen: 2.110 ppbv
RT: 11.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

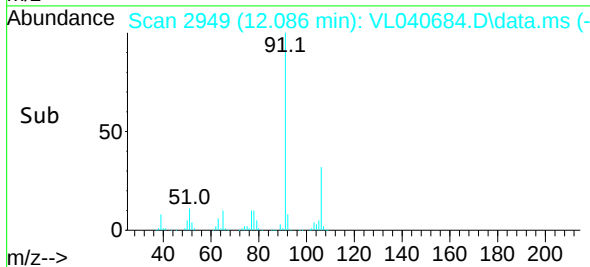
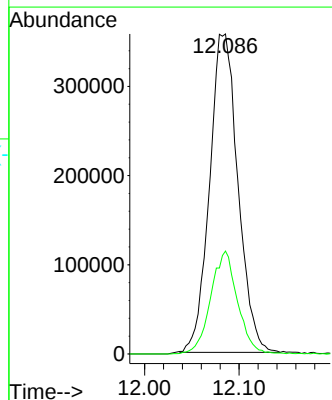
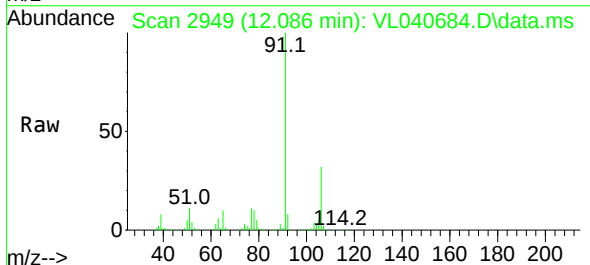
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

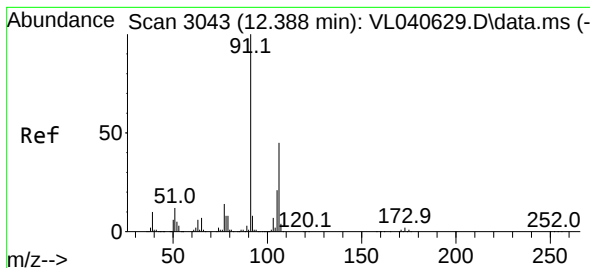
Tgt Ion:112 Resp: 478729
Ion Ratio Lower Upper
112 100
77 60.6 50.8 76.2
114 33.0 28.2 34.4



#58
Ethyl Benzene
Concen: 2.182 ppbv
RT: 12.086 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 91 Resp: 745405
Ion Ratio Lower Upper
91 100
106 32.2 24.7 37.1

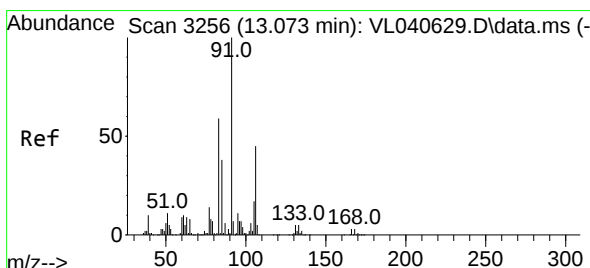
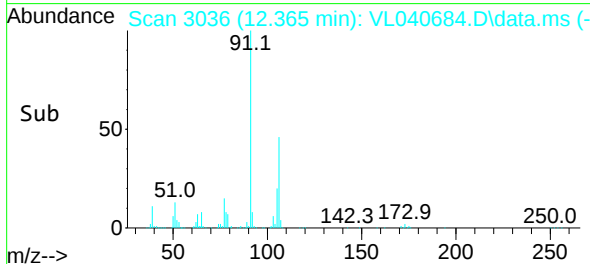
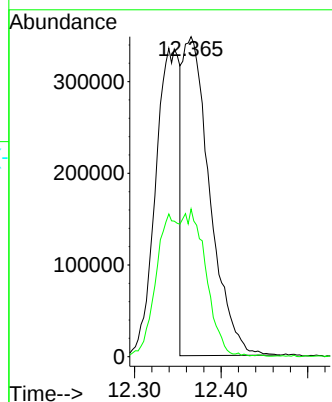
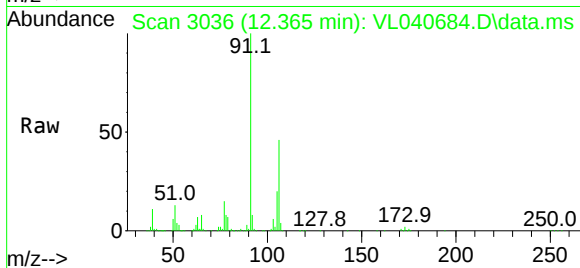




#59
m/p-Xylene
Concen: 2.357 ppbv
RT: 12.365 min Scan# 3043
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

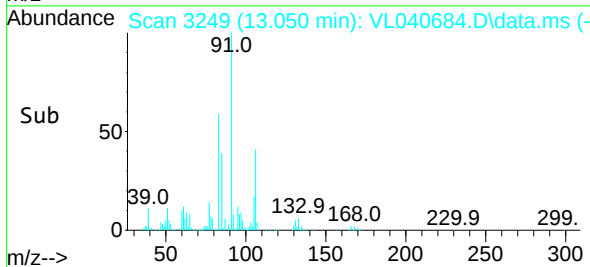
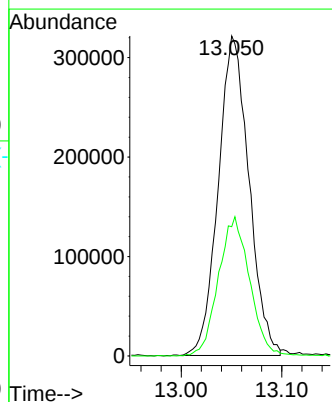
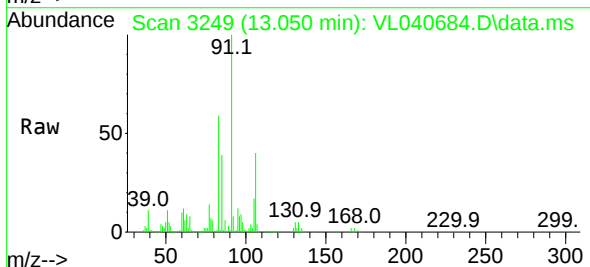
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

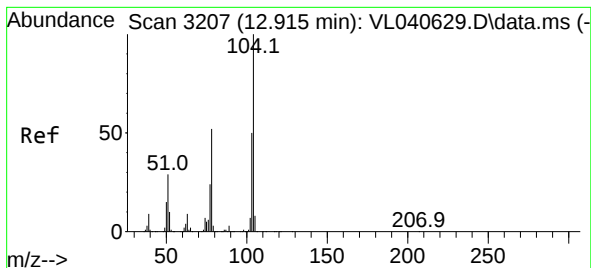
Tgt Ion: 91 Resp: 756000
Ion Ratio Lower Upper
91 100
106 79.0 34.8 52.2#



#60
o-Xylene
Concen: 2.222 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 91 Resp: 679808
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Styrene

Concen: 2.166 ppbv

RT: 12.893 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

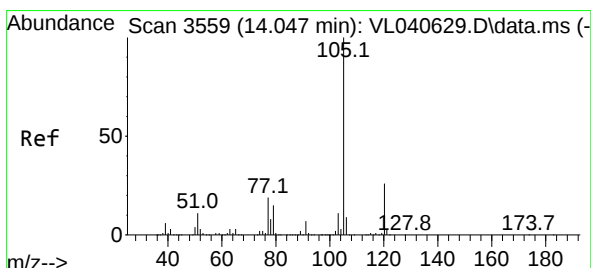
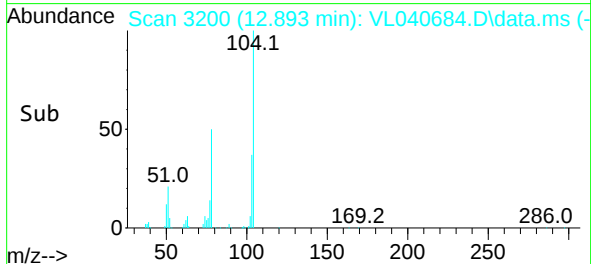
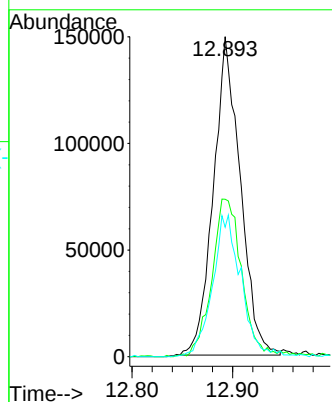
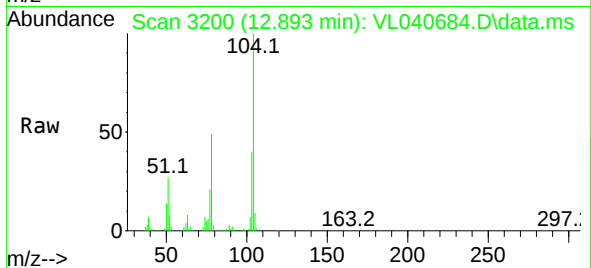
Tgt Ion:104 Resp: 277666

Ion Ratio Lower Upper

104 100

78 56.1 43.4 65.0

103 47.7 37.2 55.8



#62

Isopropylbenzene

Concen: 2.163 ppbv

RT: 14.028 min Scan# 3553

Delta R.T. 0.003 min

Lab File: VL040684.D

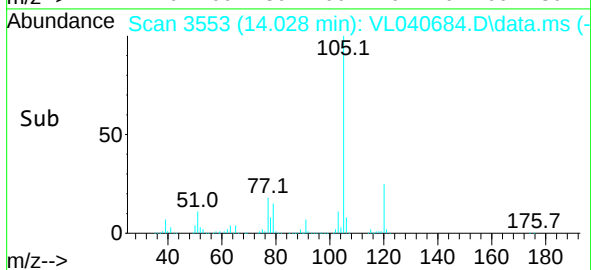
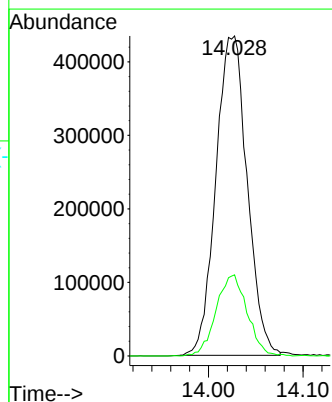
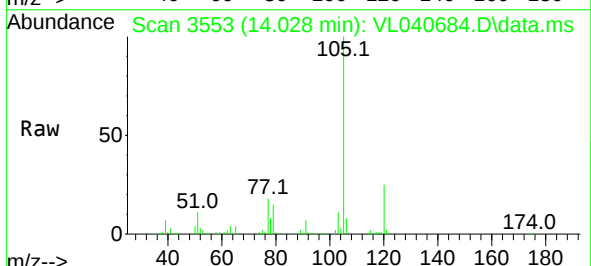
Acq: 14 Sep 2023 14:27

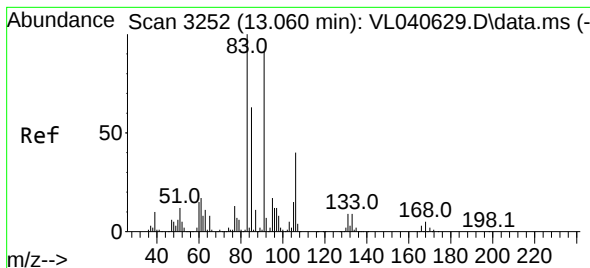
Tgt Ion:105 Resp: 998828

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.4

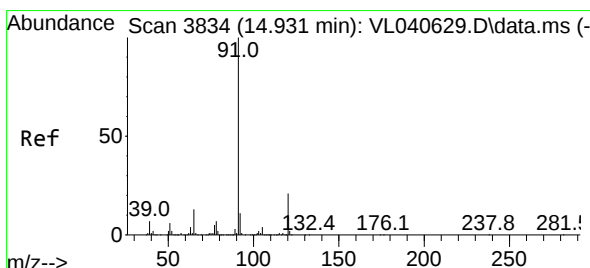
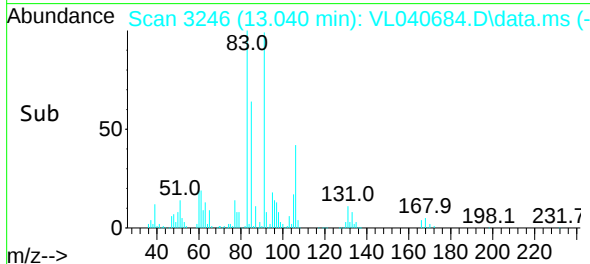
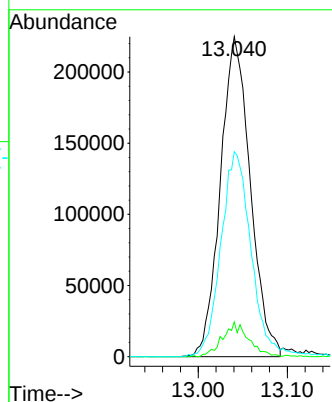
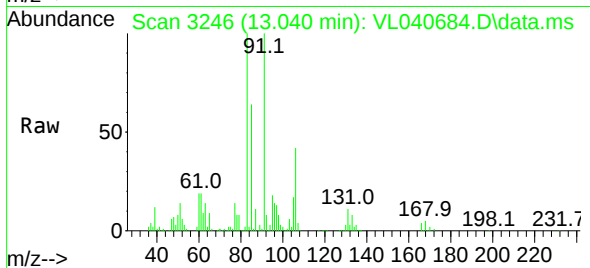




#63
1,1,2,2-Tetrachloroethane
Concen: 2.187 ppbv
RT: 13.040 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

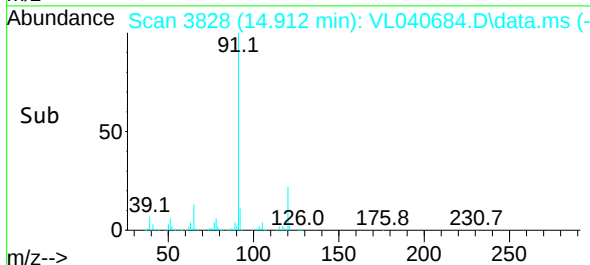
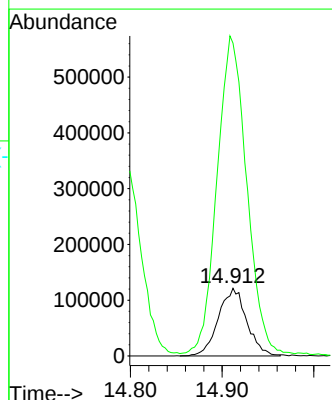
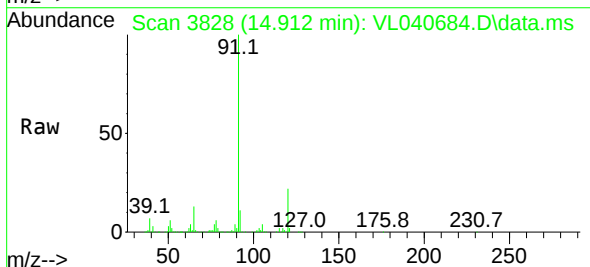
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

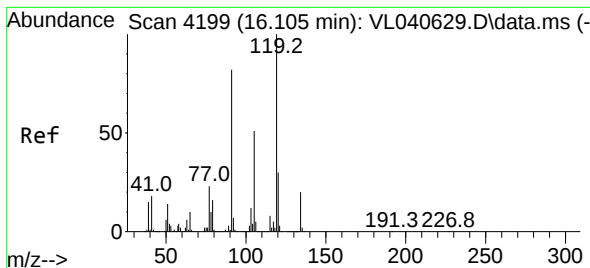
Tgt Ion: 83 Resp: 524233
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 65.4 33.1 99.3



#64
n-propylbenzene
Concen: 2.249 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 120 Resp: 259764
Ion Ratio Lower Upper
120 100
91 502.4 386.9 580.3





#65

tert-Butylbenzene

Concen: 2.227 ppbv

RT: 16.085 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

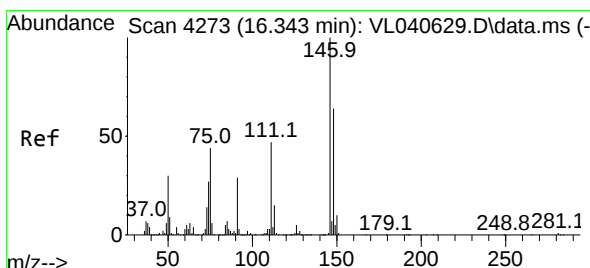
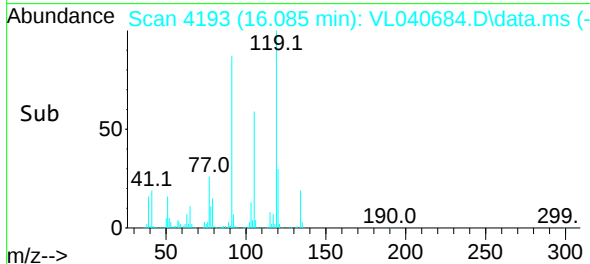
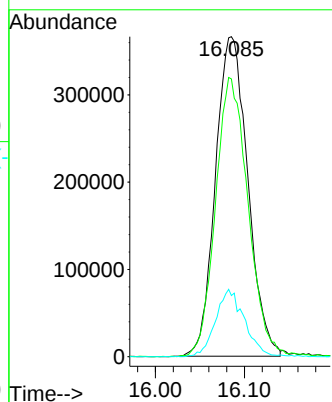
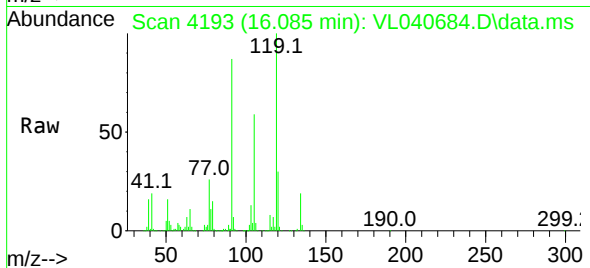
Tgt Ion:119 Resp: 923175

Ion Ratio Lower Upper

119 100

91 88.5 69.8 104.8

134 19.0 15.4 23.2



#66

Benzyl Chloride

Concen: 1.040 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

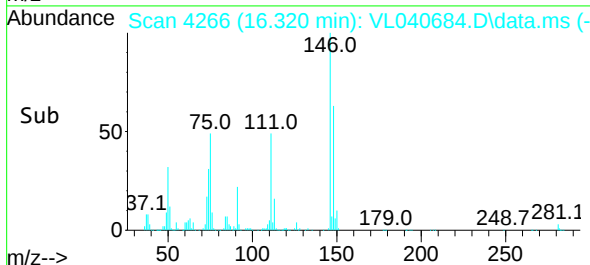
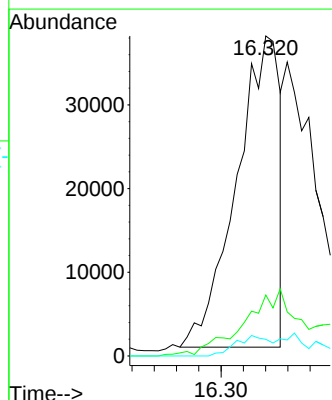
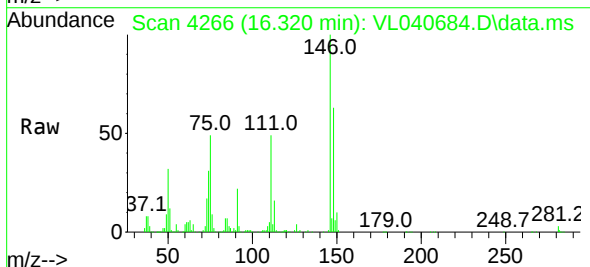
Tgt Ion: 91 Resp: 50322

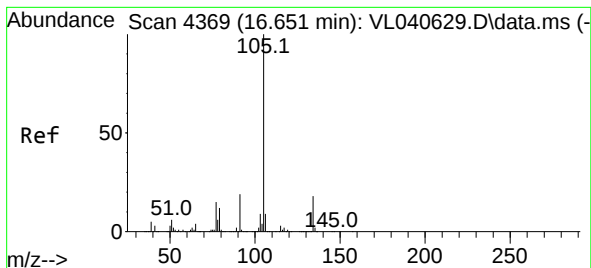
Ion Ratio Lower Upper

91 100

126 0.0 13.6 20.4#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 2.221 ppbv

RT: 16.632 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

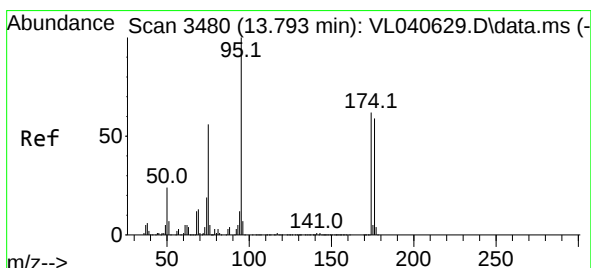
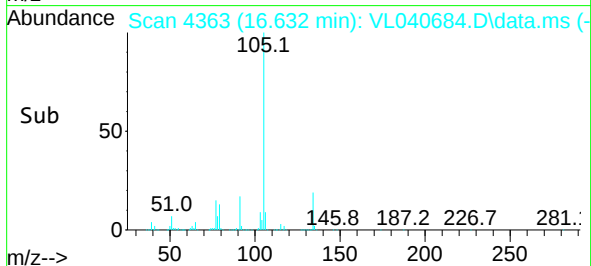
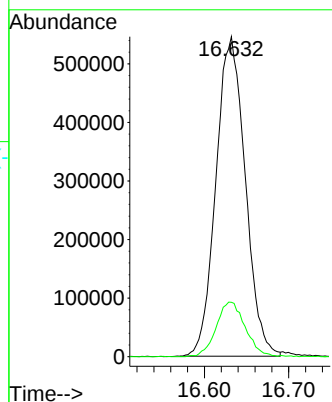
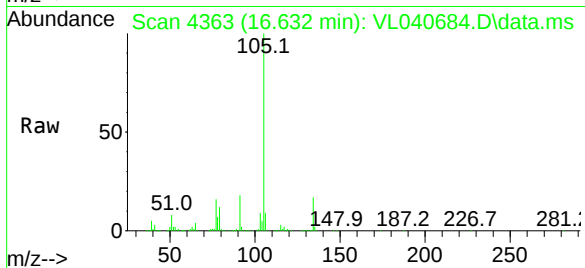
VSTDICC002

Tgt Ion:105 Resp: 1317902

Ion Ratio Lower Upper

105 100

134 17.0 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.747 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

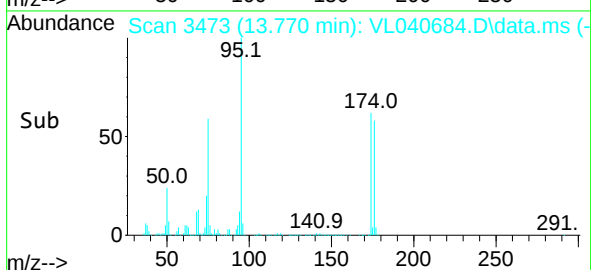
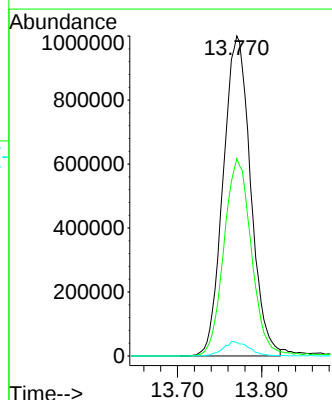
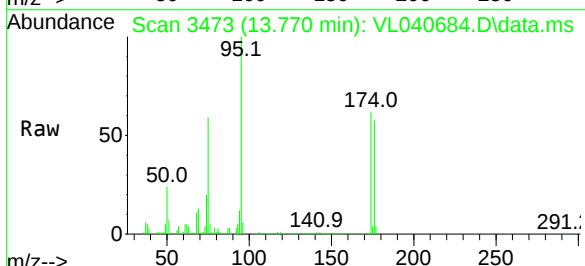
Tgt Ion: 95 Resp: 2256257

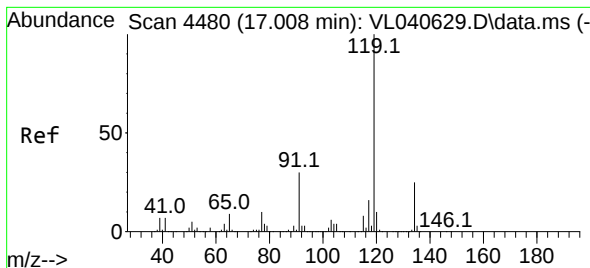
Ion Ratio Lower Upper

95 100

174 62.3 48.9 73.3

175 4.4 3.5 5.3





#69

p-Isopropyltoluene

Concen: 2.262 ppbv

RT: 16.992 min Scan# 4480

Delta R.T. 0.000 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

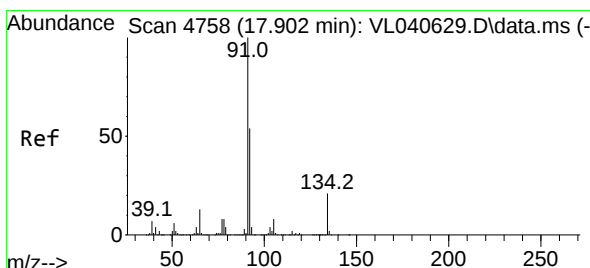
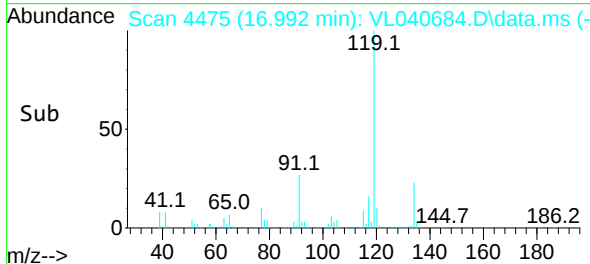
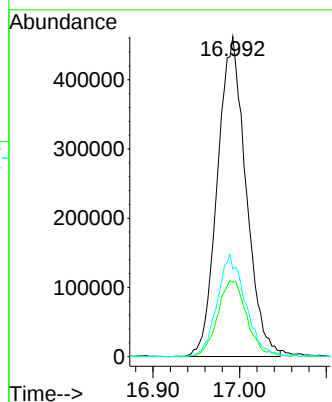
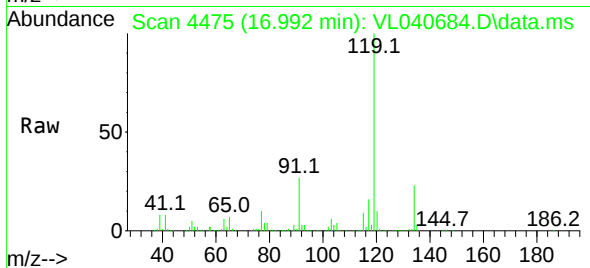
Tgt Ion:119 Resp: 1054794

Ion Ratio Lower Upper

119 100

134 24.7 20.2 30.2

91 31.9 25.0 37.6



#70

n-Butylbenzene

Concen: 2.254 ppbv

RT: 17.880 min Scan# 4751

Delta R.T. -0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

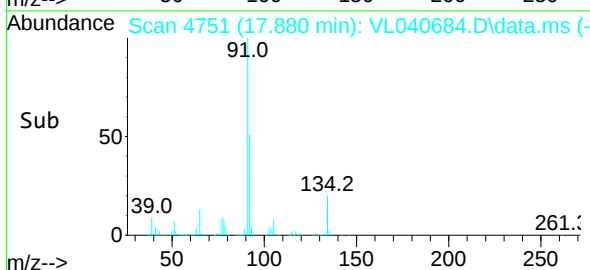
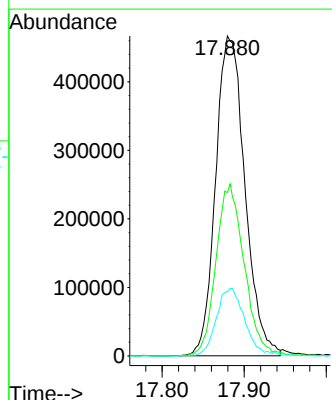
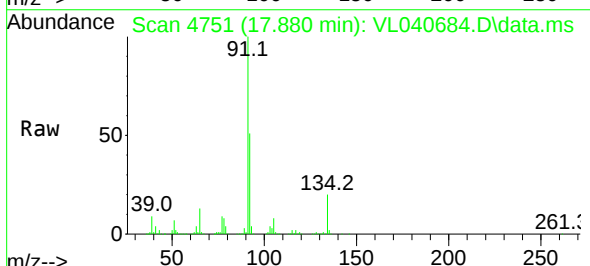
Tgt Ion: 91 Resp: 1156906

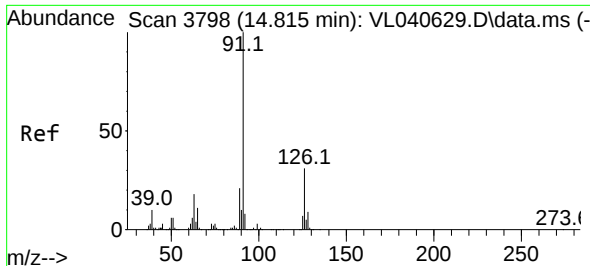
Ion Ratio Lower Upper

91 100

92 52.3 42.7 64.1

134 20.7 17.0 25.4

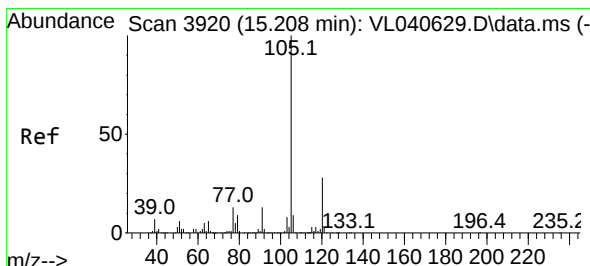
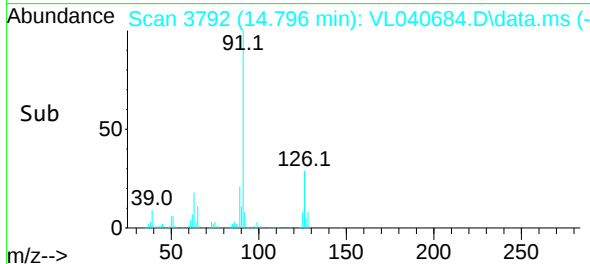
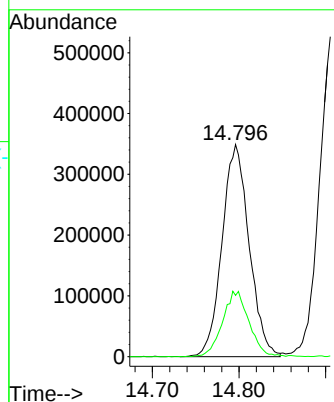
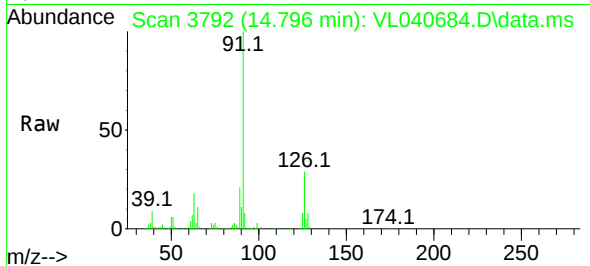




#71
2-Chlorotoluene
Concen: 2.218 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

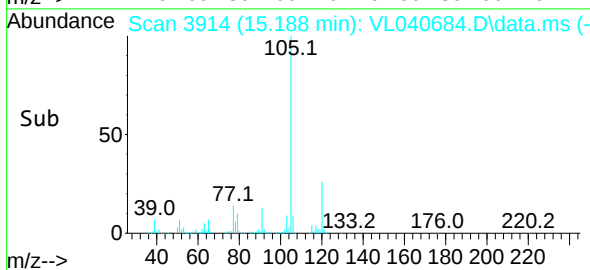
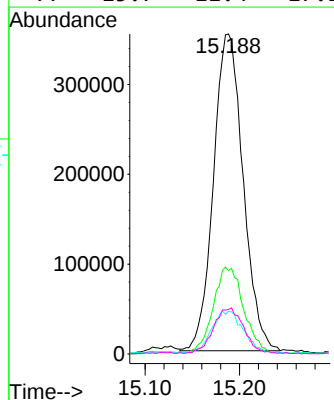
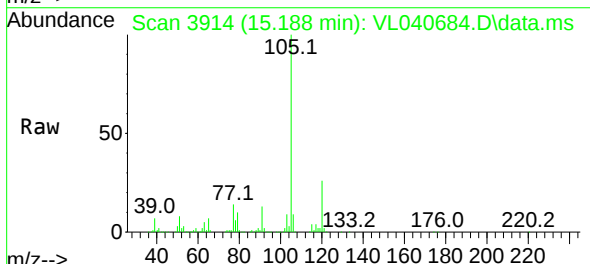
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

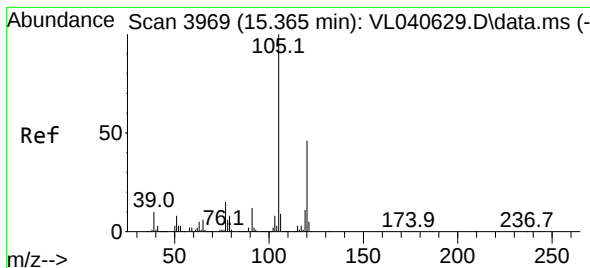
Tgt Ion: 91 Resp: 757963
Ion Ratio Lower Upper
91 100
126 30.4 12.0 47.8



#72
4-Ethyltoluene
Concen: 2.240 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion: 105 Resp: 768401
Ion Ratio Lower Upper
105 100
120 28.7 23.9 35.9
91 14.4 11.0 16.4
77 15.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 2.245 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

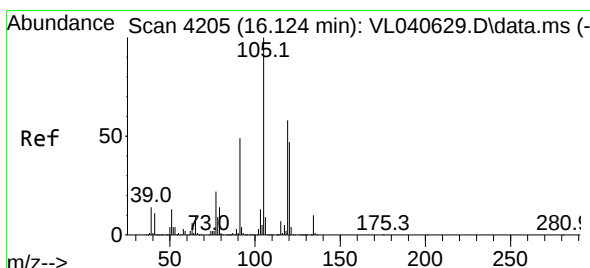
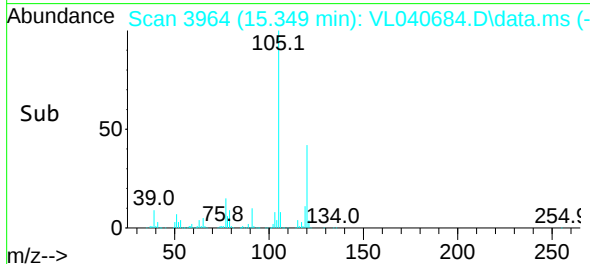
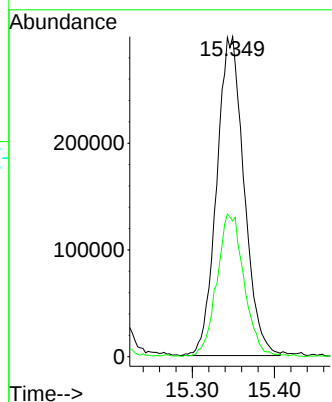
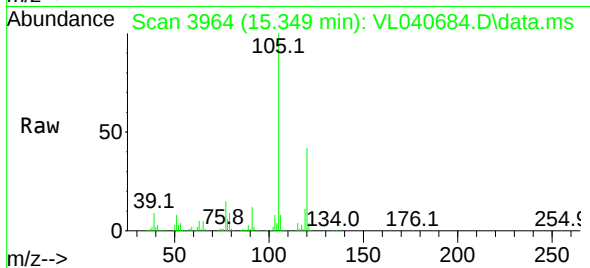
VSTDICC002

Tgt Ion:105 Resp: 693408

Ion Ratio Lower Upper

105 100

120 42.3 36.1 54.1



#74

1,2,4-Trimethylbenzene

Concen: 2.161 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Tgt Ion:105 Resp: 813789

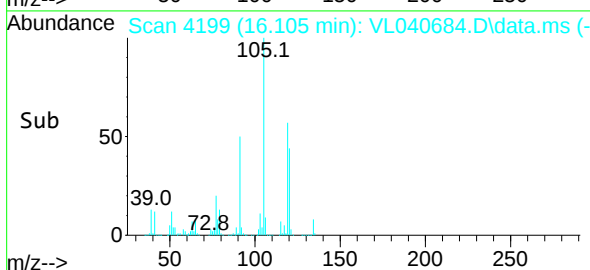
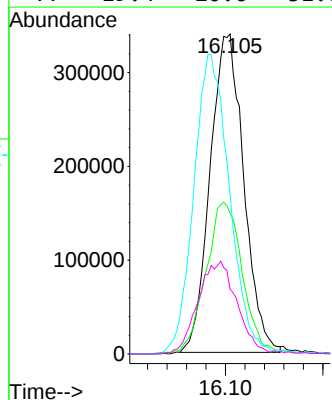
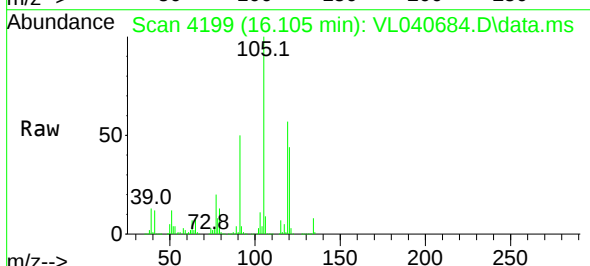
Ion Ratio Lower Upper

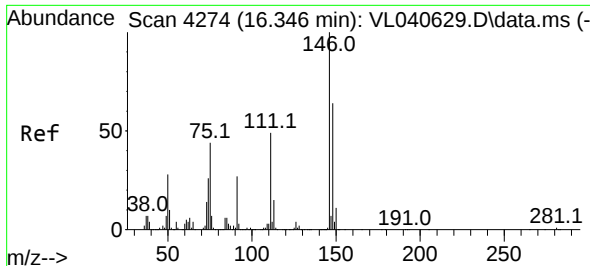
105 100

120 43.3 38.6 57.8

91 49.0 50.0 75.0#

77 19.4 20.6 31.0#

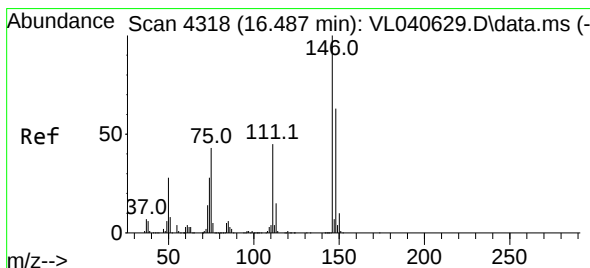
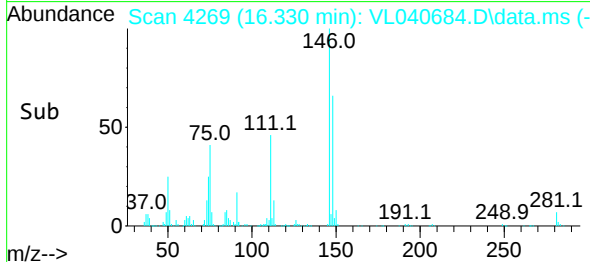
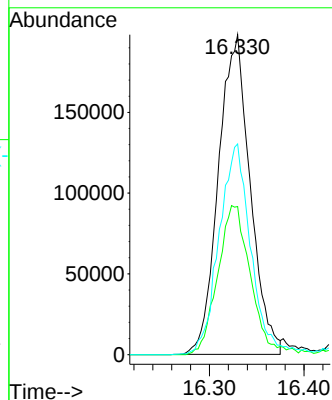
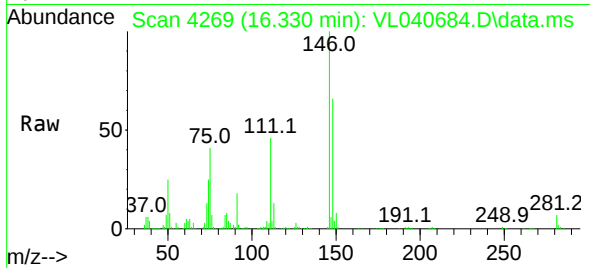




#75
1,3-Dichlorobenzene
Concen: 2.152 ppbv
RT: 16.330 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

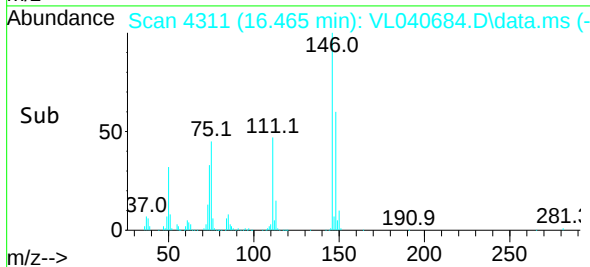
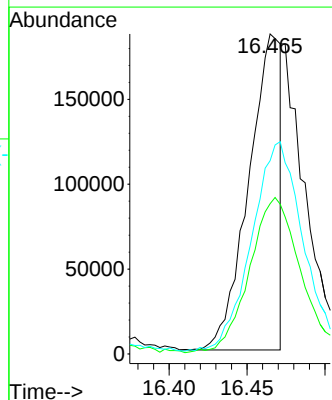
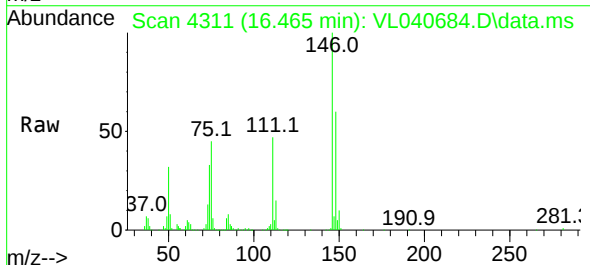
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

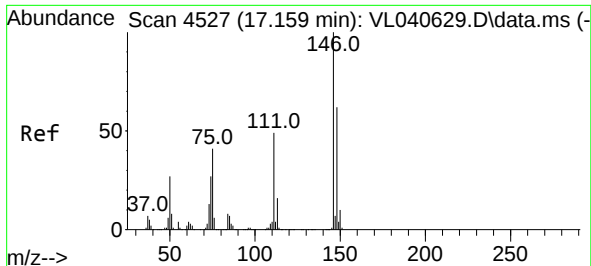
Tgt Ion:146 Resp: 461671
Ion Ratio Lower Upper
146 100
111 48.6 23.9 71.7
148 66.3 31.8 95.4



#76
1,4-Dichlorobenzene
Concen: 1.259 ppbv
RT: 16.465 min Scan# 4311
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion:146 Resp: 265776
Ion Ratio Lower Upper
146 100
111 80.5 23.8 71.2#
148 114.7 32.6 97.7#

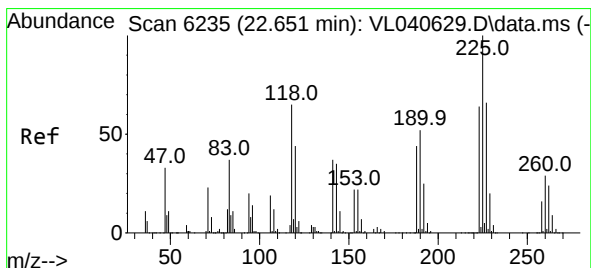
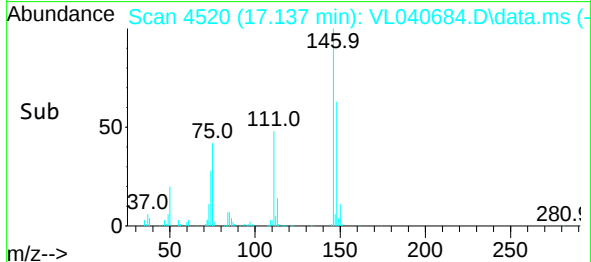
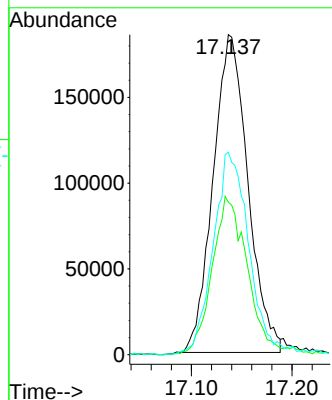
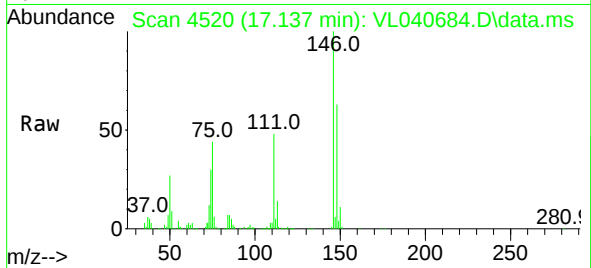




#77
1,2-Dichlorobenzene
Concen: 2.083 ppbv
RT: 17.137 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

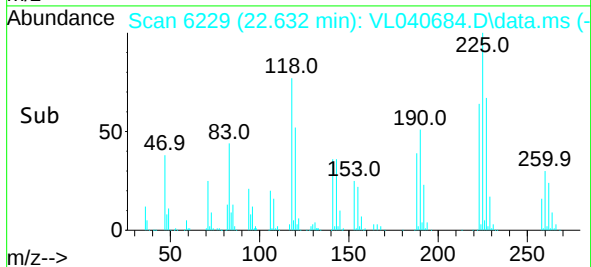
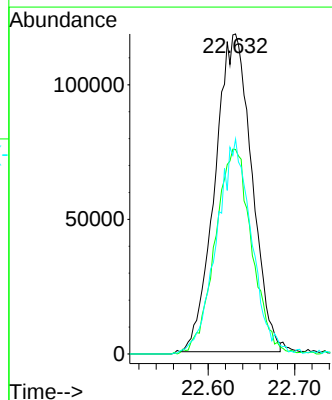
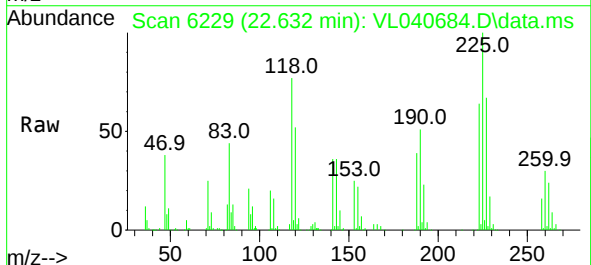
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

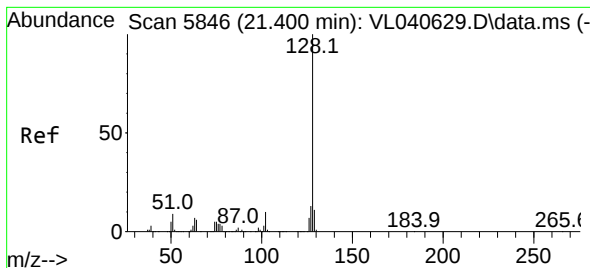
Tgt Ion:146 Resp: 445230
Ion Ratio Lower Upper
146 100
111 51.5 25.0 75.0
148 66.7 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 2.157 ppbv
RT: 22.632 min Scan# 6229
Delta R.T. 0.003 min
Lab File: VL040684.D
Acq: 14 Sep 2023 14:27

Tgt Ion:225 Resp: 348710
Ion Ratio Lower Upper
225 100
223 64.4 51.2 76.8
227 65.0 50.7 76.1





#79

Naphthalene

Concen: 2.562 ppbv

RT: 21.387 min Scan# 5842

Delta R.T. 0.010 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

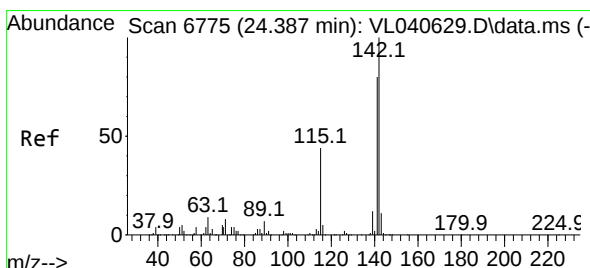
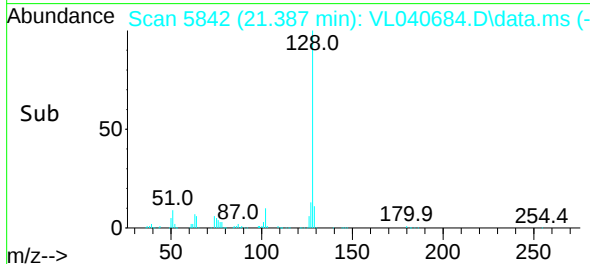
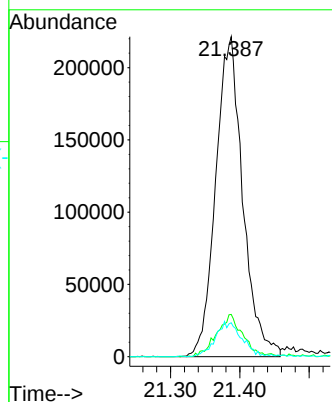
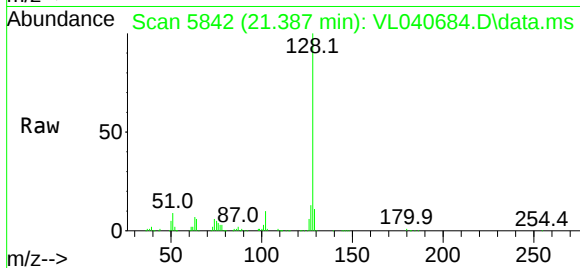
Tgt Ion:128 Resp: 600424

Ion Ratio Lower Upper

128 100

127 13.2 9.8 14.6

129 10.3 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 1.707 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. 0.003 min

Lab File: VL040684.D

Acq: 14 Sep 2023 14:27

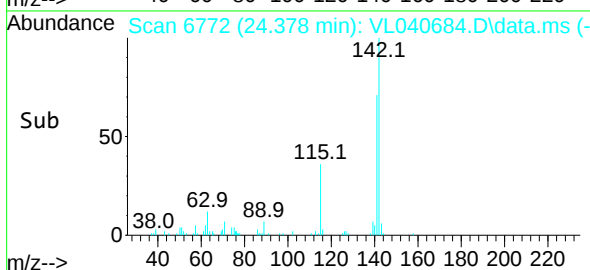
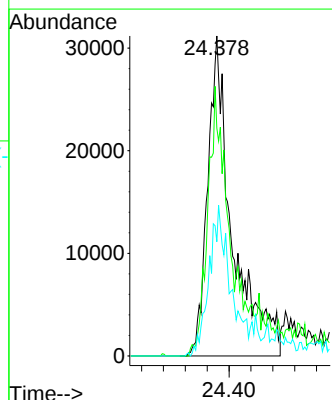
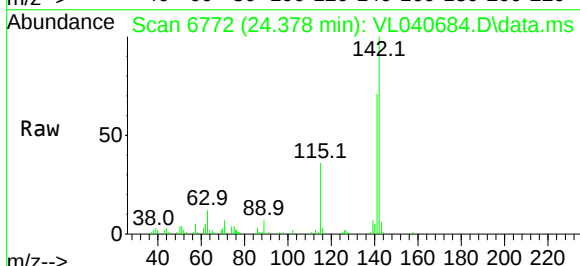
Tgt Ion:142 Resp: 97969

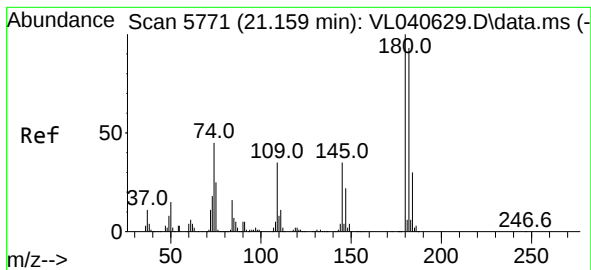
Ion Ratio Lower Upper

142 100

141 73.4 67.0 100.6

115 45.8 37.4 56.2





#81

1,2,4-Trichlorobenzene

Concen: 1.185 ppbv

RT: 21.137 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL040684.D

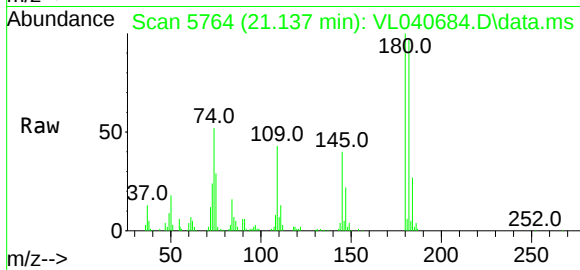
Acq: 14 Sep 2023 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 181335

Ion Ratio Lower Upper

180 100

182 178.0 77.9 116.9#

184 0.0 24.4 36.6#

