

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040604.D
 Acq On : 9 Aug 2023 13:38
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 10 01:18:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	999867	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2423280	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2279810	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2067161	11.457	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	1983746	9.919	ppbv	98
3) Chlorodifluoromethane	2.661	51	1604415	10.123	ppbv	95
4) Chloromethane	2.803	50	626003	9.971	ppbv	98
5) Vinyl Chloride	2.909	62	667578	10.126	ppbv	98
6) Bromomethane	3.108	94	291933	10.491	ppbv	95
7) Chloroethane	3.189	64	248111	10.727	ppbv	99
8) Dichlorotetrafluoroethane	2.844	85	1768272	10.746	ppbv	98
9) Propene	2.680	41	472657	8.712	ppbv	99
10) Heptane	7.590	43	1238427	10.337	ppbv	99
11) Trichlorofluoromethane	3.555	101	1855158	11.496	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.063	101	1308754	11.515	ppbv	94
13) Ethanol	3.234	45	91916	7.786	ppbv	96
14) Bromoethene	3.359	108	547677	11.207	ppbv	98
15) Acetone	3.462	43	1207363	10.490	ppbv	98
16) 1,3-Butadiene	2.976	39	595126	10.249	ppbv	98
17) tert-Butyl alcohol	3.873	59	1349970	11.340	ppbv	100
18) 1,1-Dichloroethene	3.873	96	590469	11.301	ppbv	99
19) Isopropyl Alcohol	3.568	45	701682	10.620	ppbv #	95
20) Methylene Chloride	3.928	84	517051	10.561	ppbv	98
21) Allyl Chloride	3.992	41	693221	10.547	ppbv	94
22) trans-1,2-Dichloroethene	4.442	96	586223	11.371	ppbv	94
23) Vinyl Acetate	4.626	43	1246442	11.368	ppbv #	99
24) 1,1-Dichloroethane	4.561	63	1195734	10.744	ppbv	99
25) Ethyl Acetate	5.205	43	2228365	10.170	ppbv	99
26) Hexane	5.214	57	984090	9.668	ppbv	95
27) Carbon Disulfide	4.121	76	1440042	12.027	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	847251	10.339	ppbv	100
29) Chloroform	5.278	83	1764289	10.450	ppbv	99
30) Cyclohexane	6.606	84	833352	9.839	ppbv	96
31) cis-1,2-Dichloroethene	5.079	61	996454	9.903	ppbv	95
32) 1,1,1-Trichloroethane	6.008	97	1788811	10.828	ppbv	99
34) 2-Butanone	4.787	43	1340694	11.196	ppbv	97
35) Carbon Tetrachloride	6.500	117	1858837	12.746	ppbv	98
36) Benzene	6.375	78	2015688	10.338	ppbv	97
37) 1,2-Dichloroethane	5.812	62	1355726	11.819	ppbv	97
38) Trichloroethene	7.304	130	834225	11.311	ppbv	96
39) 1,2-Dichloropropane	7.082	63	795662	10.600	ppbv	90
40) 1,4-Dioxane	7.301	88	258519	11.012	ppbv #	88
41) Tetrahydrofuran	5.558	42	737967	10.561	ppbv	97
42) Bromodichloromethane	7.259	83	1900049	11.910	ppbv	98
43) Methyl Methacrylate	7.484	69	840116	11.511	ppbv	96
44) 2,2,4-Trimethylpentane	7.336	57	3437240	10.957	ppbv	96
45) t-1,3-Dichloropropene	8.722	75	563120	12.028	ppbv	100

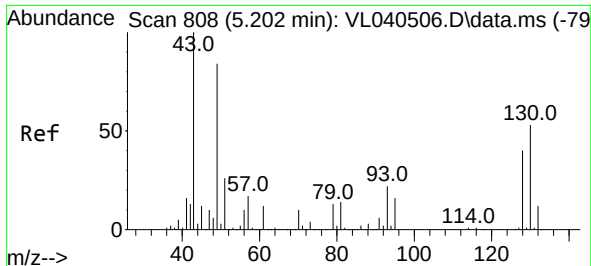
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	681078	11.339	ppbv	91
47) 1,1,2-Trichloroethane	8.912	97	884048	10.675	ppbv	97
48) Dibromochloromethane	9.725	129	1558671	12.173	ppbv	99
49) Bromoform	12.423	173	1289576	12.704	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2069347	11.894	ppbv	95
51) 2-Hexanone	9.561	43	1449096	11.778	ppbv #	96
52) Tetrachloroethene	10.629	164	699967	11.085	ppbv	96
53) Toluene	9.233	91	2366109	11.172	ppbv	99
54) 1,2-Dibromoethane	10.024	107	1143856	11.112	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.526	131	1176070	11.519	ppbv	99
57) Chlorobenzene	11.545	112	1908673	10.735	ppbv	96
58) Ethyl Benzene	12.105	91	3324950	11.622	ppbv	100
59) m/p-Xylene	12.388	91	3163863	12.390	ppbv #	44
60) o-Xylene	13.076	91	2913693	11.978	ppbv	98
61) Styrene	12.915	104	1366332	12.177	ppbv	97
62) Isopropylbenzene	14.047	105	4176997	11.456	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	2089568	12.266	ppbv	99
64) n-propylbenzene	14.934	120	1085765	11.510	ppbv	92
65) tert-Butylbenzene	16.108	119	3740472	11.588	ppbv	95
66) Benzyl Chloride	16.346	91	308237	13.499	ppbv	95
67) sec-Butylbenzene	16.651	105	5408246	11.403	ppbv	98
69) p-Isopropyltoluene	17.011	119	4378238	11.171	ppbv	98
70) n-Butylbenzene	17.902	91	4918756	11.254	ppbv	99
71) 2-Chlorotoluene	14.815	91	3289078	11.705	ppbv	98
72) 4-Ethyltoluene	15.211	105	3384197	11.868	ppbv	98
73) 1,3,5-Trimethylbenzene	15.368	105	2943868	11.712	ppbv	96
74) 1,2,4-Trimethylbenzene	16.124	105	3384705	11.550	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1914100	10.773	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1878015	10.780	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1848434	10.880	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1299517	8.145	ppbv	99
79) Naphthalene	21.400	128	2671302	10.774	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	780600	7.635	ppbv	97
81) 1,2,4-Trichlorobenzene	21.159	180	1560631	9.133	ppbv	99

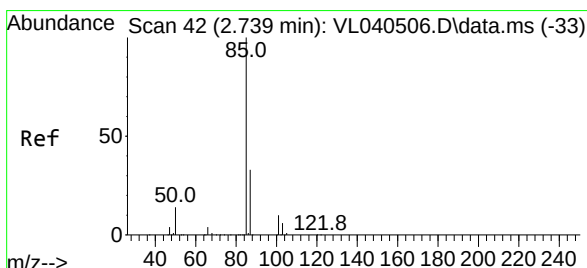
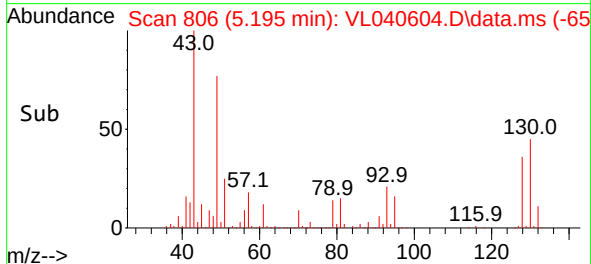
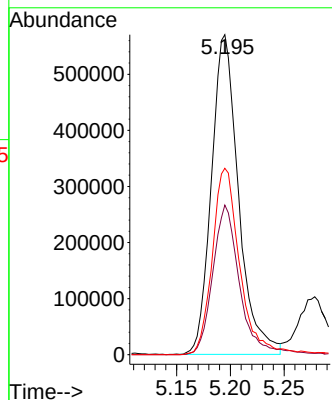
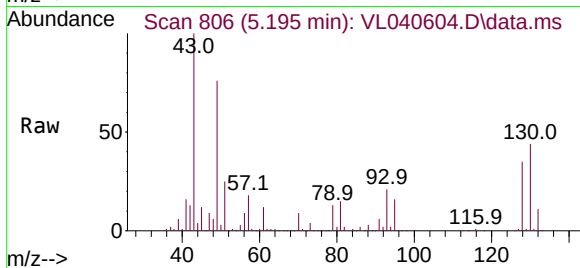
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

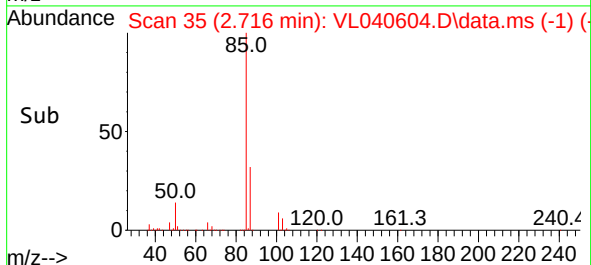
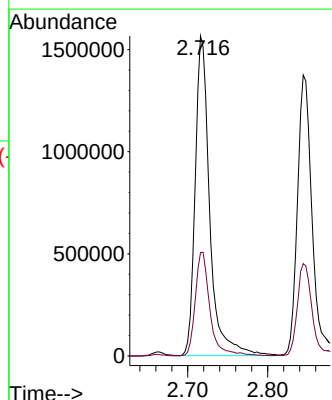
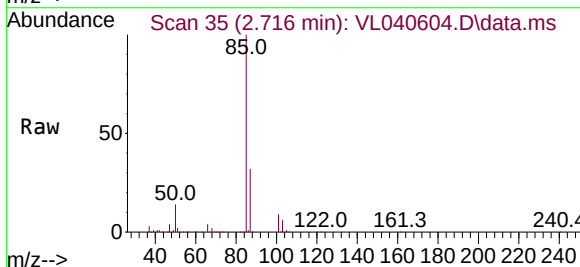
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

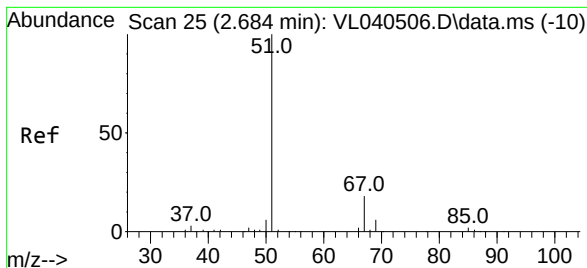
Tgt Ion: 49 Resp: 999867
Ion Ratio Lower Upper
49 100
128 46.9 25.1 75.4
130 59.9 31.6 94.7



#2
Dichlorodifluoromethane
Concen: 9.919 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.023 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 85 Resp: 1983746
Ion Ratio Lower Upper
85 100
87 32.3 26.8 40.2





#3

Chlorodifluoromethane

Concen: 10.123 ppbv

RT: 2.661 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

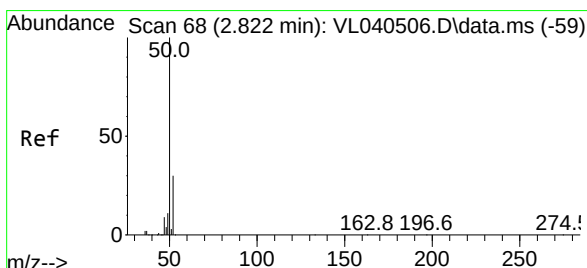
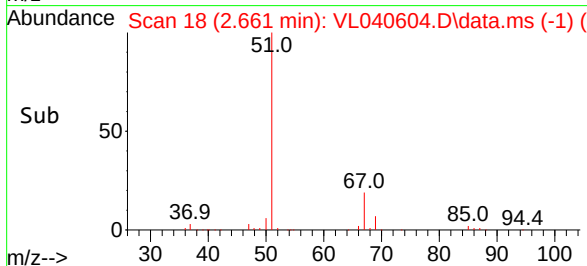
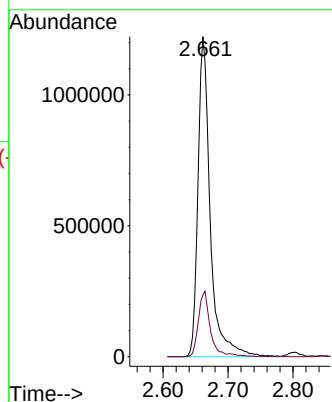
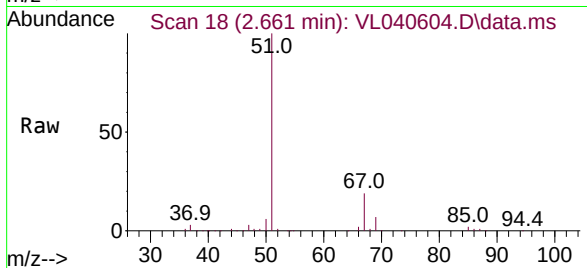
VSTDCCC010

Tgt Ion: 51 Resp: 1604415

Ion Ratio Lower Upper

51 100

67 20.2 14.6 21.8



#4

Chloromethane

Concen: 9.971 ppbv

RT: 2.803 min Scan# 62

Delta R.T. -0.019 min

Lab File: VL040604.D

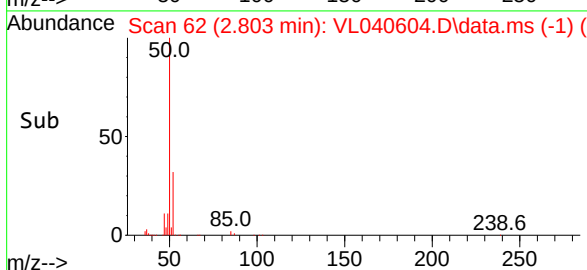
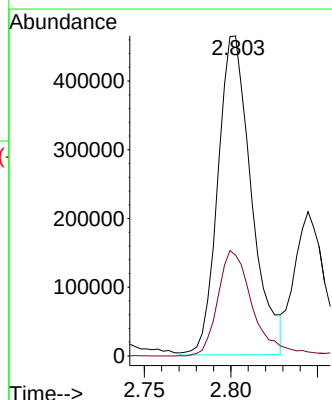
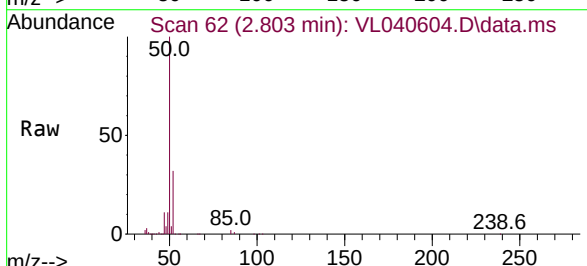
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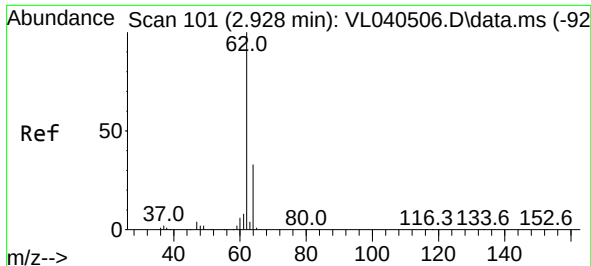
Tgt Ion: 50 Resp: 626003

Ion Ratio Lower Upper

50 100

52 31.7 24.4 36.6

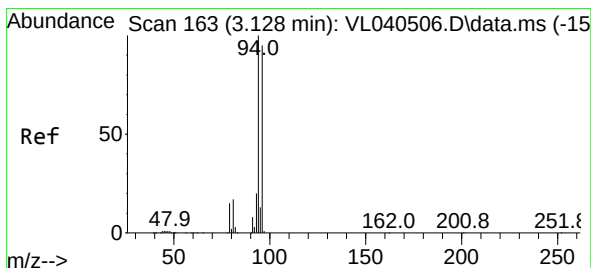
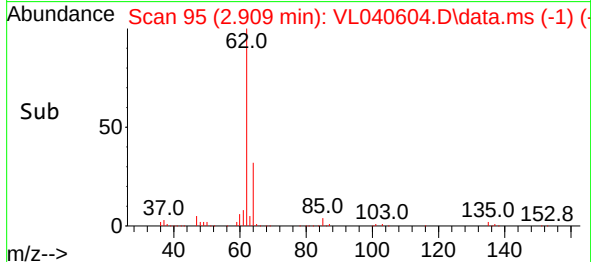
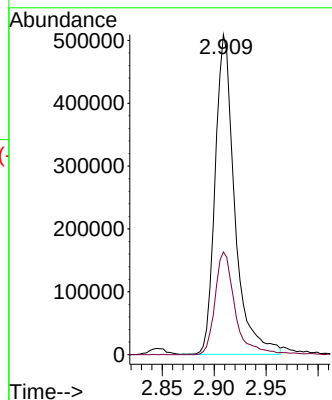
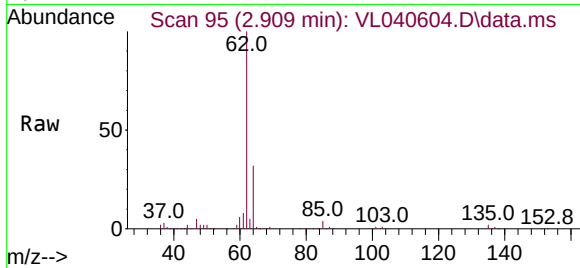




#5
 Vinyl Chloride
 Concen: 10.126 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.019 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

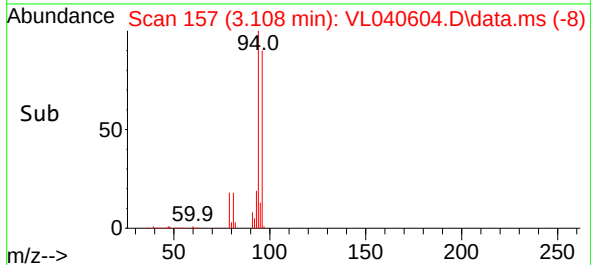
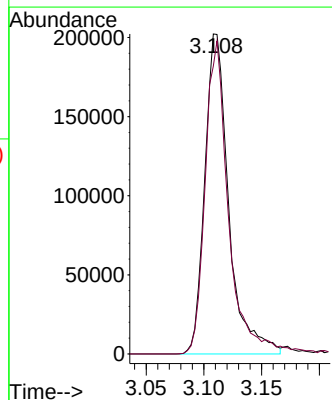
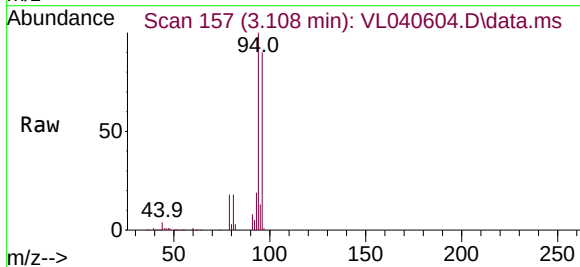
Instrument :
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 ClientSampleId :
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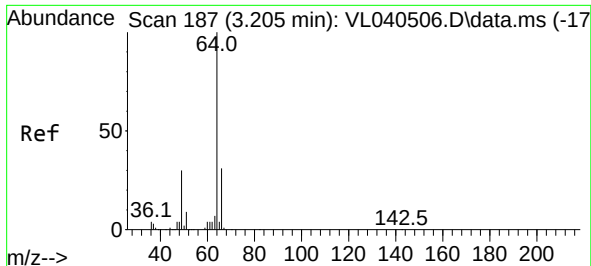
Tgt Ion: 62 Resp: 667578
 Ion Ratio Lower Upper
 62 100
 64 32.1 26.4 39.6



#6
 Bromomethane
 Concen: 10.491 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. -0.019 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion: 94 Resp: 291933
 Ion Ratio Lower Upper
 94 100
 96 89.9 75.7 113.5

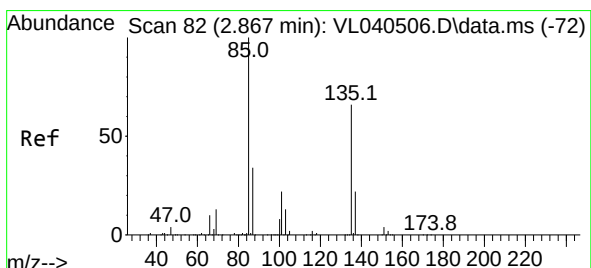
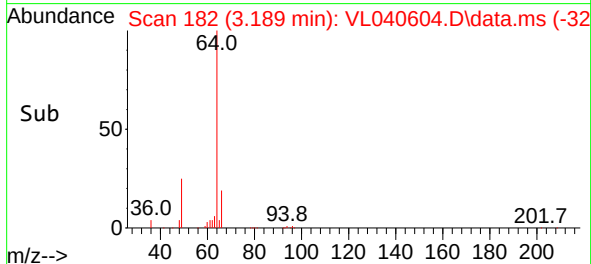
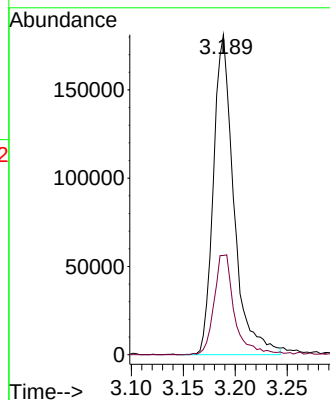
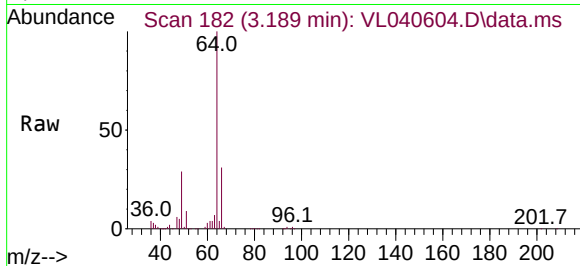




#7
Chloroethane
Concen: 10.727 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

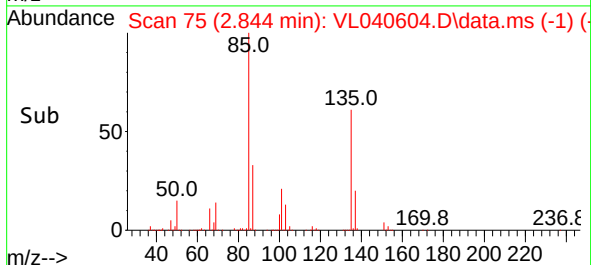
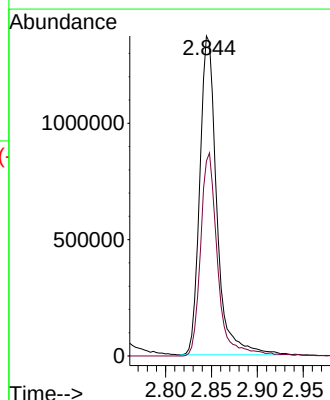
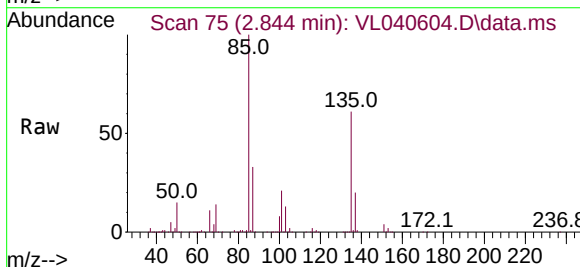
Instrument :
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ClientSampleId :
VSTDCCC010

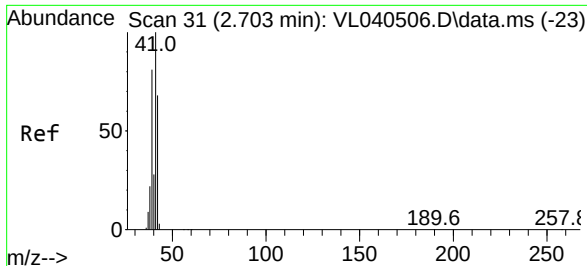
Tgt Ion: 64 Resp: 248111
Ion Ratio Lower Upper
64 100
66 31.0 24.4 36.6



#8
Dichlorotetrafluoroethane
Concen: 10.746 ppbv
RT: 2.844 min Scan# 75
Delta R.T. -0.023 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 85 Resp: 1768272
Ion Ratio Lower Upper
85 100
135 64.1 52.4 78.6





#9

Propene

Concen: 8.712 ppbv

RT: 2.680 min Scan# 24

Delta R.T. -0.023 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

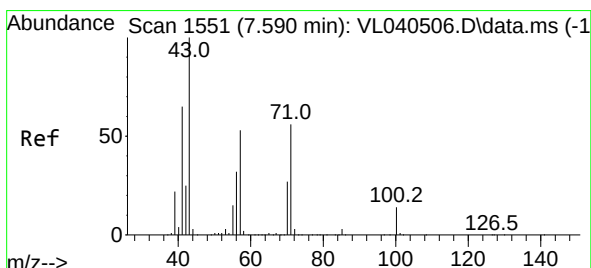
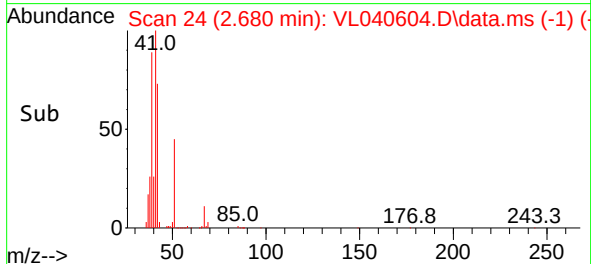
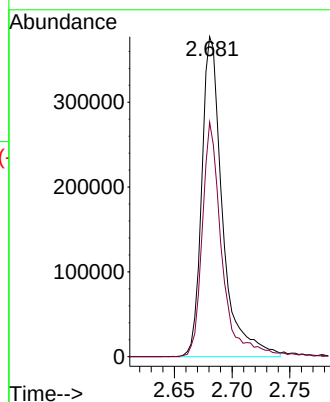
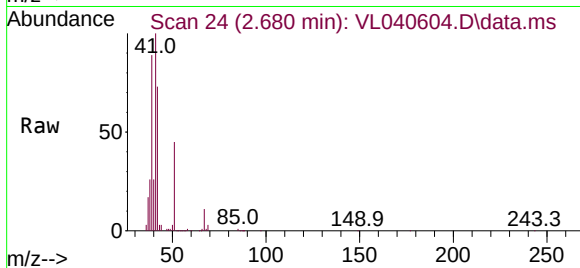
VSTDCCC010

Tgt Ion: 41 Resp: 472657

Ion Ratio Lower Upper

41 100

42 69.9 55.0 82.6



#10

Heptane

Concen: 10.337 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. -0.000 min

Lab File: VL040604.D

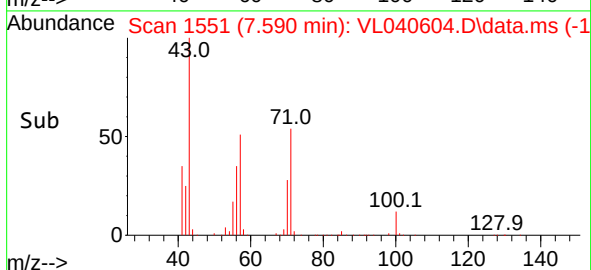
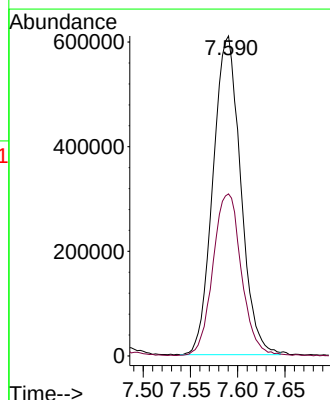
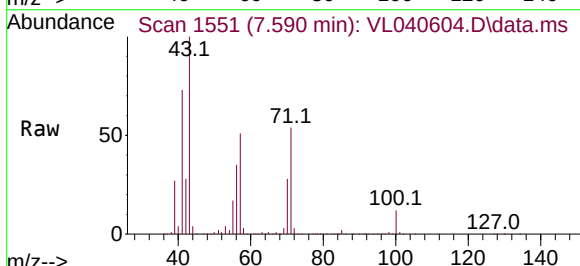
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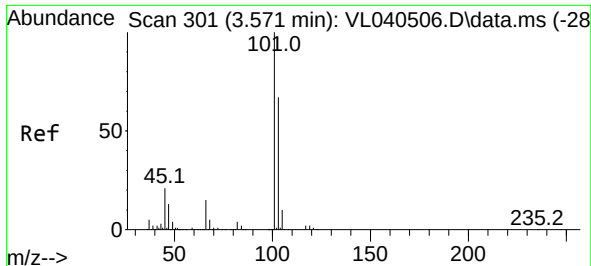
Tgt Ion: 43 Resp: 1238427

Ion Ratio Lower Upper

43 100

57 52.7 42.5 63.7

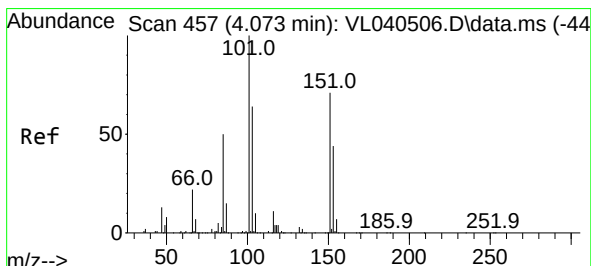
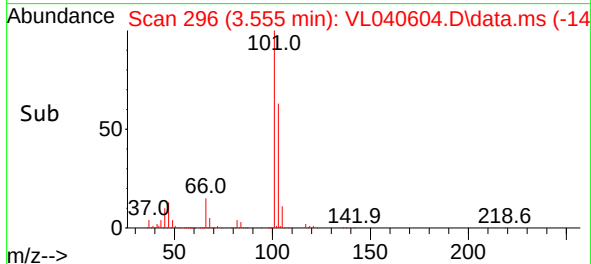
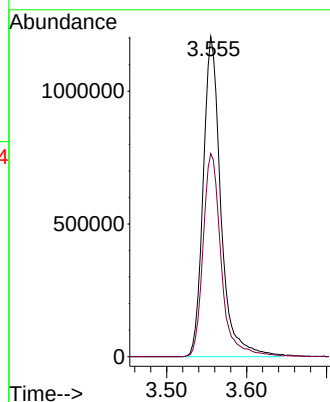
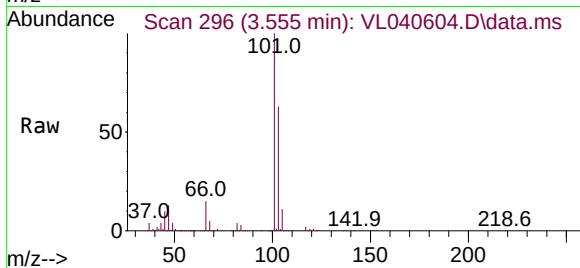




#11
 Trichlorofluoromethane
 Concen: 11.496 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.016 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

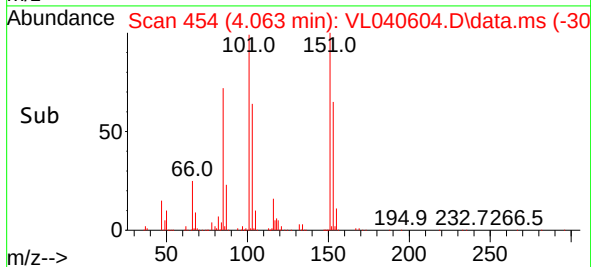
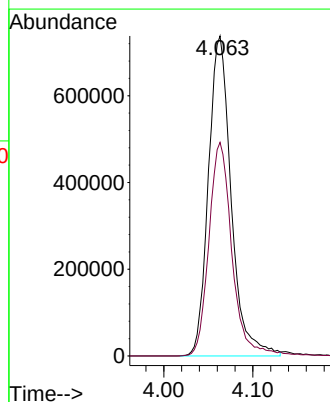
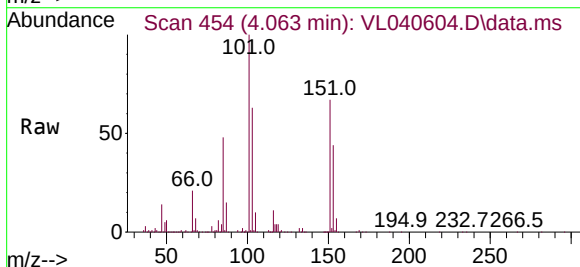
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 ClientSampleId :
 VSTDCCC010

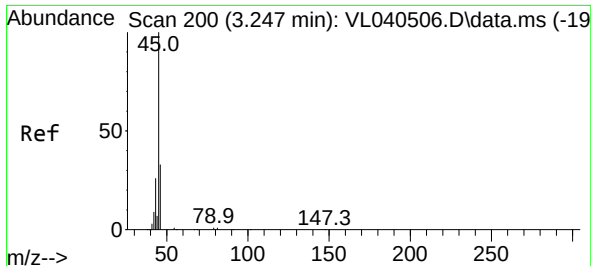
Tgt Ion:101 Resp: 1855158
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.4 80.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.515 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.010 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion:101 Resp: 1308754
 Ion Ratio Lower Upper
 101 100
 151 68.0 58.2 87.4

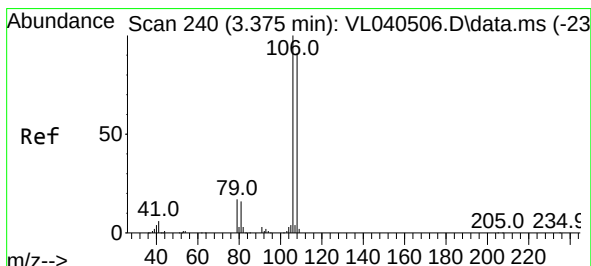
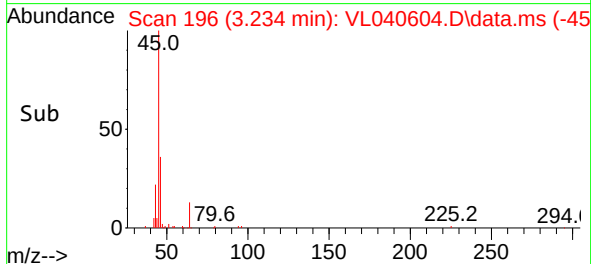
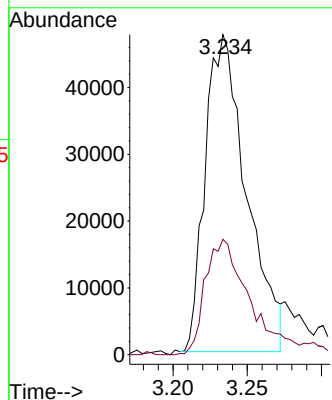
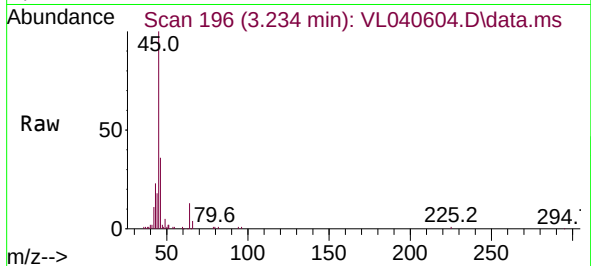




#13
Ethanol
Concen: 7.786 ppbv
RT: 3.234 min Scan# 196
Delta R.T. -0.013 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

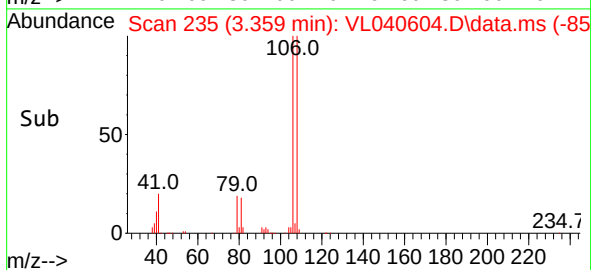
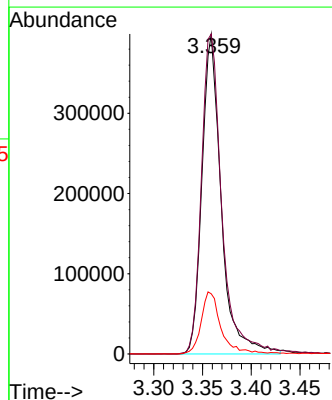
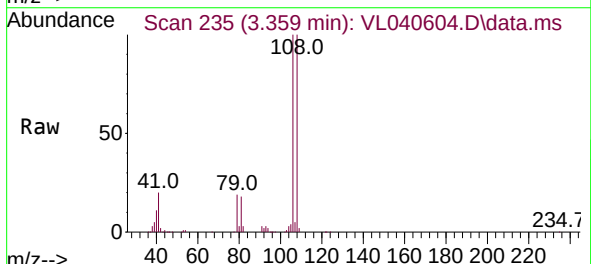
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

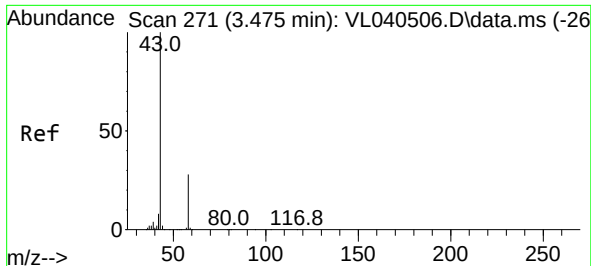
Tgt Ion: 45 Resp: 91916
Ion Ratio Lower Upper
45 100
46 40.9 15.3 61.1



#14
Bromoethene
Concen: 11.207 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.016 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 108 Resp: 547677
Ion Ratio Lower Upper
108 100
106 107.1 87.2 130.8
79 20.3 15.3 22.9

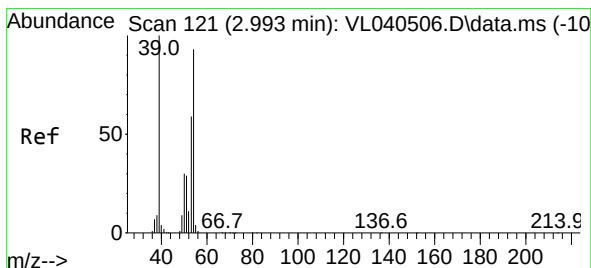
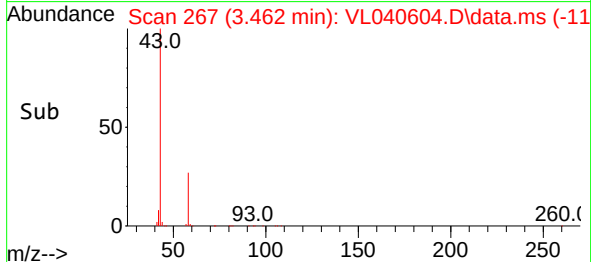
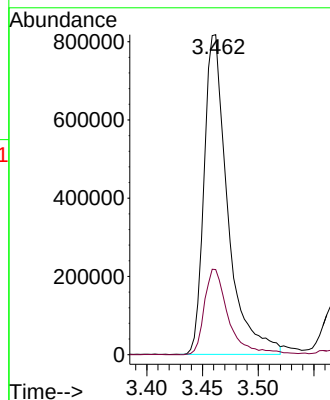
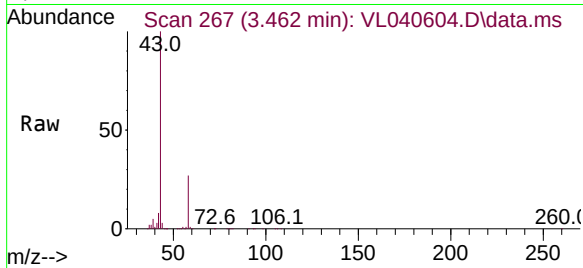




#15
Acetone
Concen: 10.490 ppbv
RT: 3.462 min Scan# 20
Delta R.T. -0.013 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

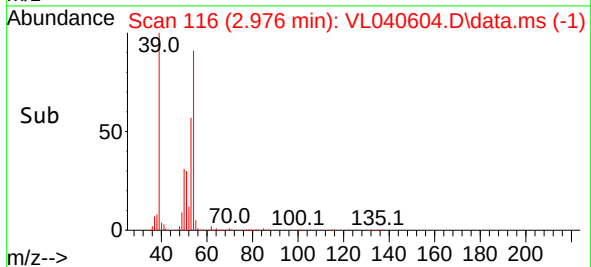
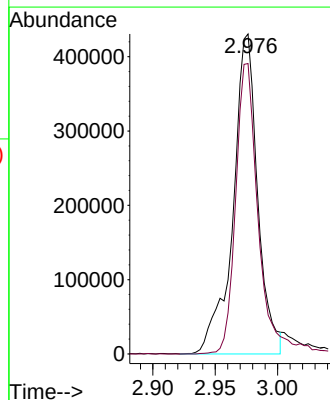
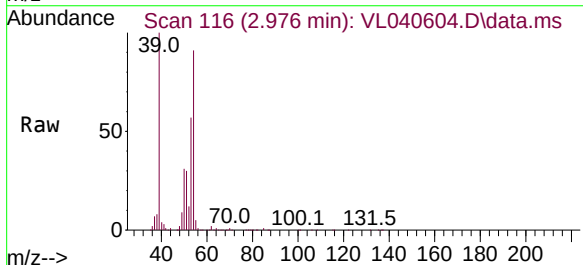
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

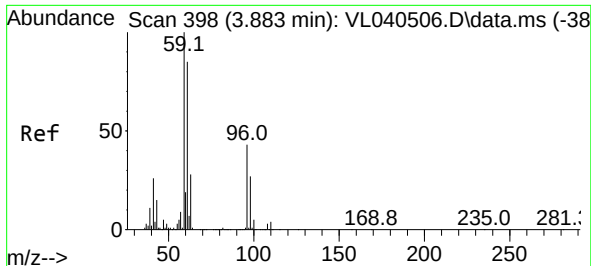
Tgt Ion: 43 Resp: 1207363
Ion Ratio Lower Upper
43 100
58 27.7 22.9 34.3



#16
1,3-Butadiene
Concen: 10.249 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.016 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 39 Resp: 595126
Ion Ratio Lower Upper
39 100
54 84.8 66.6 100.0





#17

tert-Butyl alcohol

Concen: 11.340 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.010 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

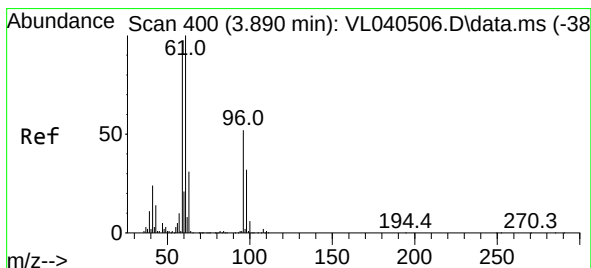
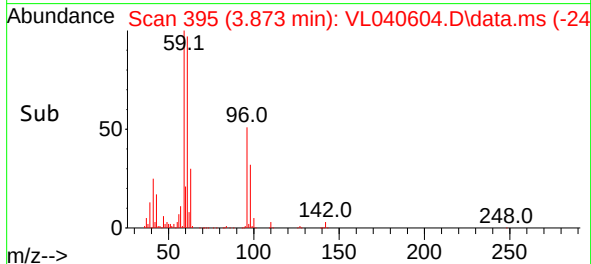
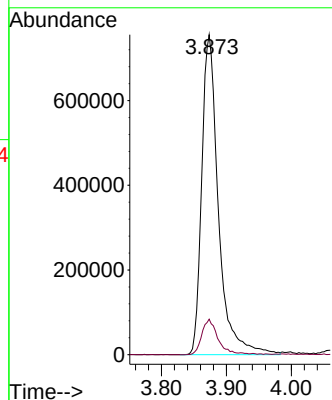
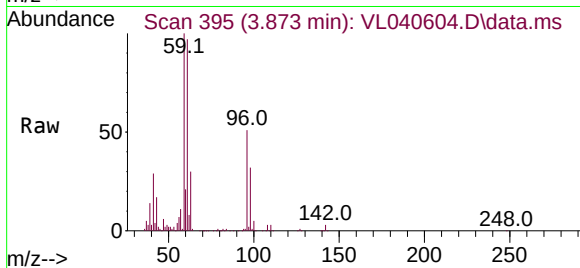
VSTDCCC010

Tgt Ion: 59 Resp: 1349970

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 11.301 ppbv

RT: 3.873 min Scan# 395

Delta R.T. -0.016 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

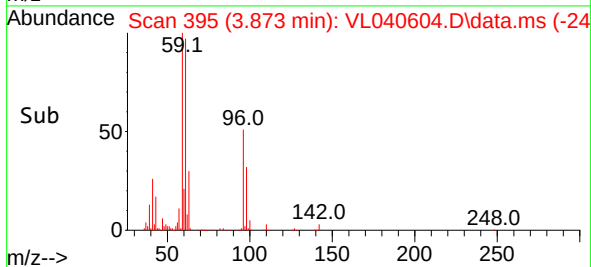
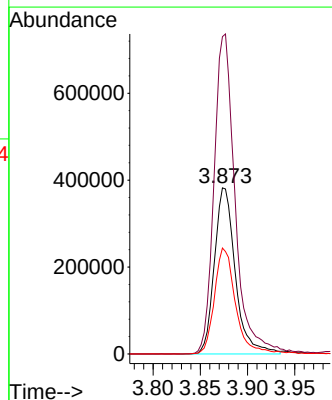
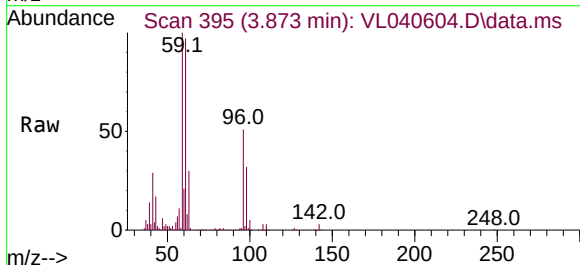
Tgt Ion: 96 Resp: 590469

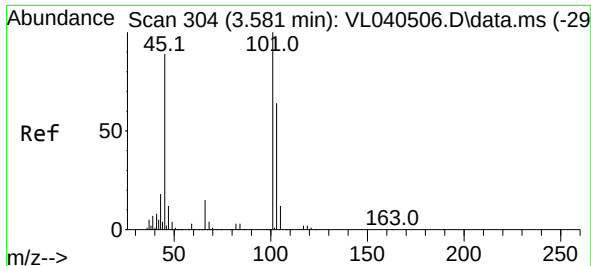
Ion Ratio Lower Upper

96 100

61 191.1 154.4 231.6

98 63.8 50.0 75.0

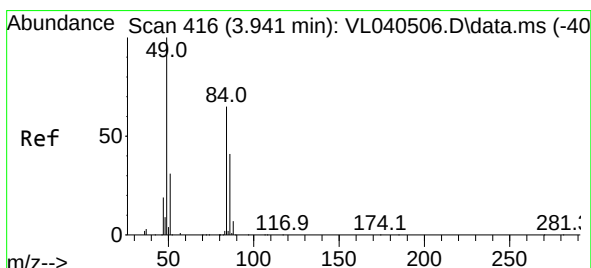
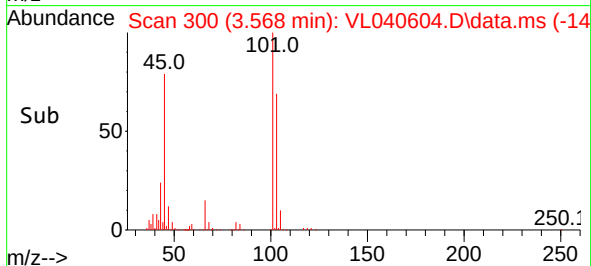
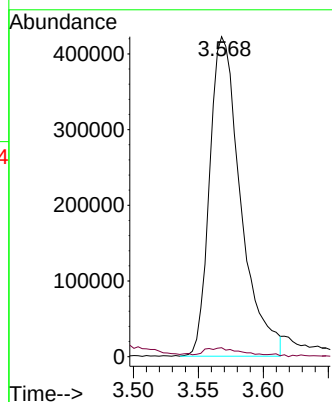
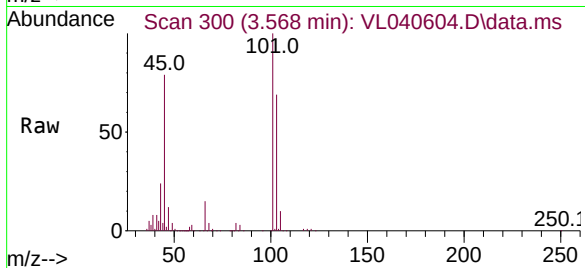




#19
Isopropyl Alcohol
Concen: 10.620 ppbv
RT: 3.568 min Scan# 304
Delta R.T. -0.013 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

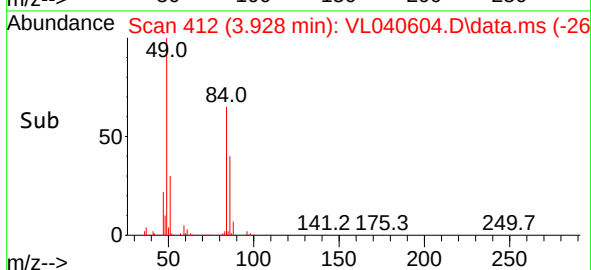
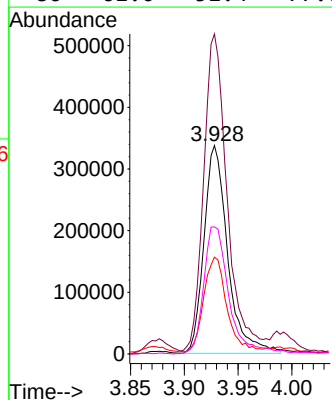
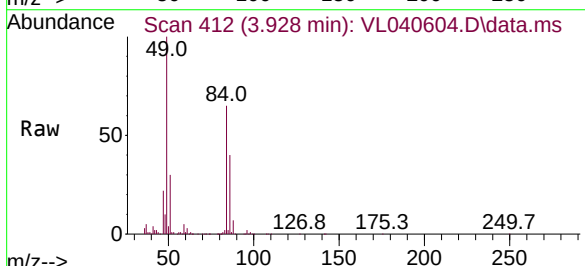
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

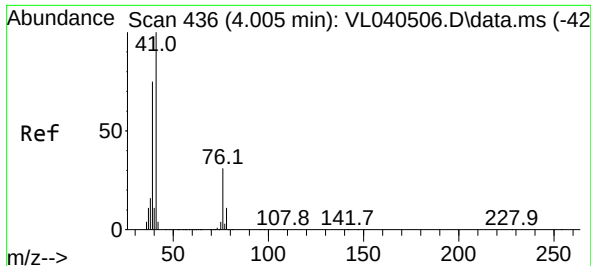
Tgt Ion: 45 Resp: 701682
Ion Ratio Lower Upper
45 100
58 3.4 1.1 1.7#



#20
Methylene Chloride
Concen: 10.561 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 84 Resp: 517051
Ion Ratio Lower Upper
84 100
49 152.5 123.4 185.2
51 45.6 38.3 57.5
86 61.0 51.4 77.0

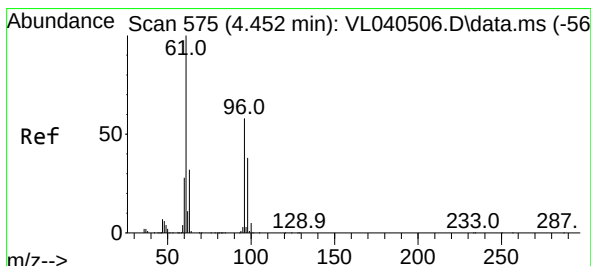
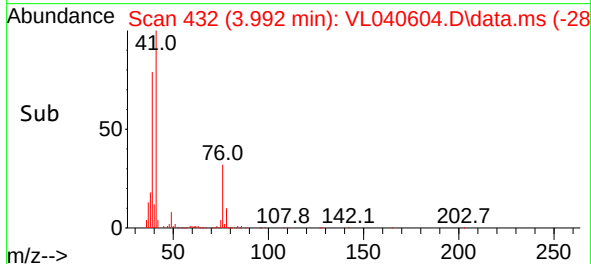
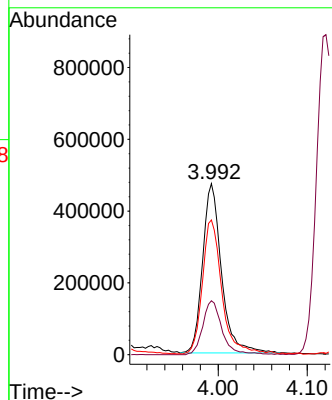
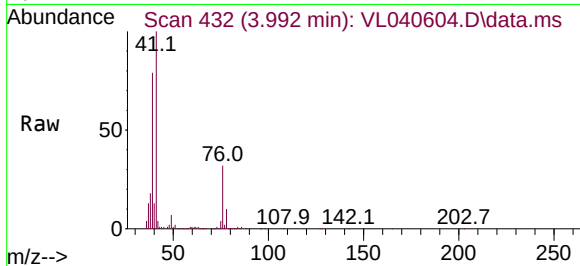




#21
 Allyl Chloride
 Concen: 10.547 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

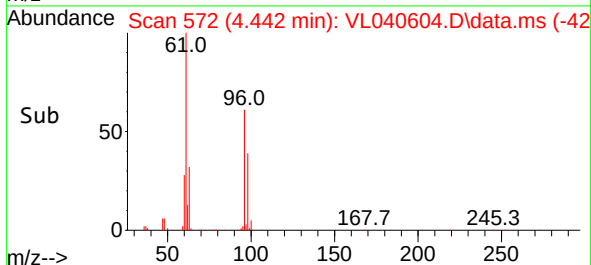
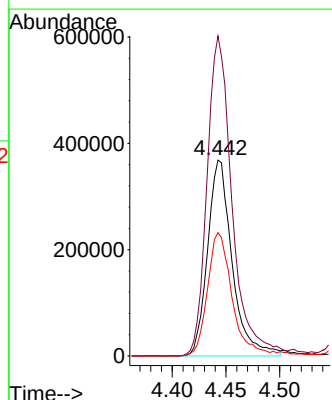
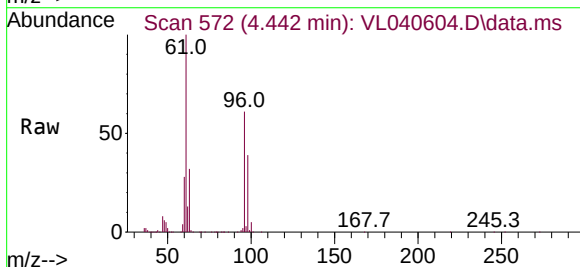
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

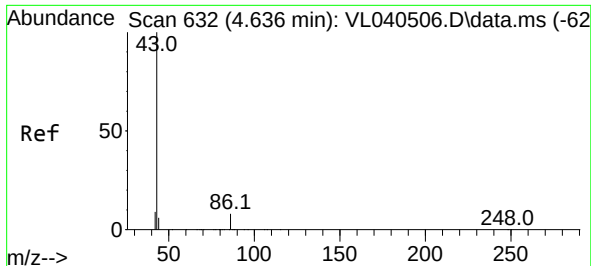
Tgt Ion: 41 Resp: 693221
 Ion Ratio Lower Upper
 41 100
 76 32.6 24.8 37.2
 39 82.3 60.6 91.0



#22
 trans-1,2-Dichloroethene
 Concen: 11.371 ppbv
 RT: 4.442 min Scan# 572
 Delta R.T. -0.010 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion: 96 Resp: 586223
 Ion Ratio Lower Upper
 96 100
 61 163.3 137.7 206.5
 98 63.1 52.9 79.3



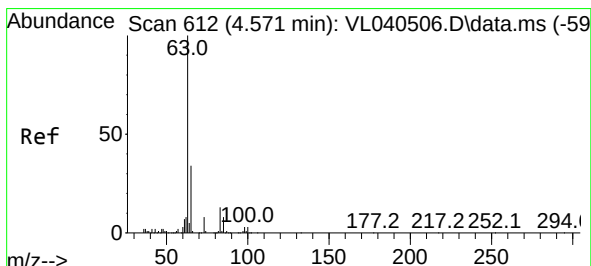
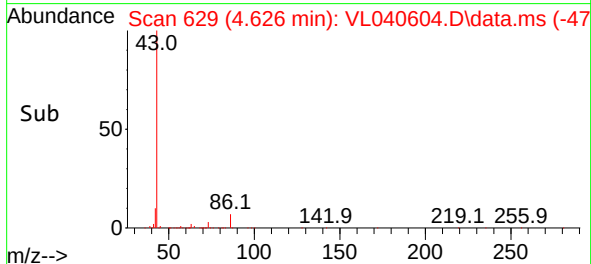
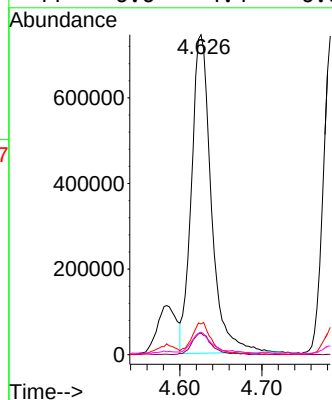
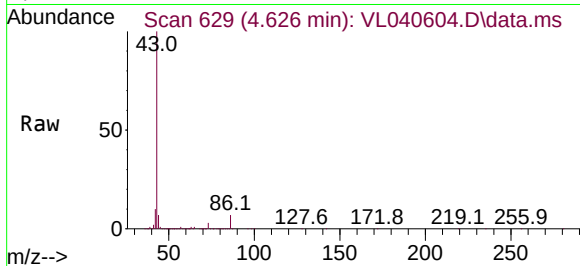


#23
 Vinyl Acetate
 Concen: 11.368 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1246442

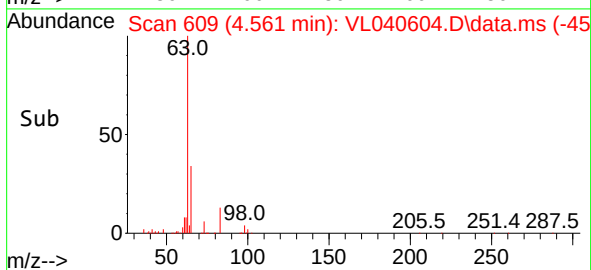
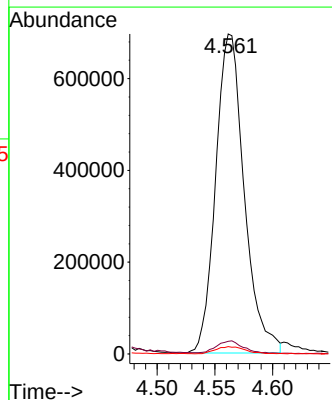
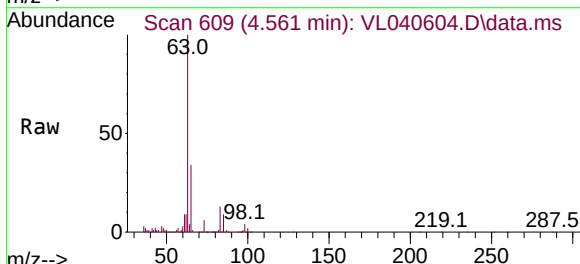
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.6	8.4
42	9.5	7.4	11.2
44	6.6	4.4	6.6

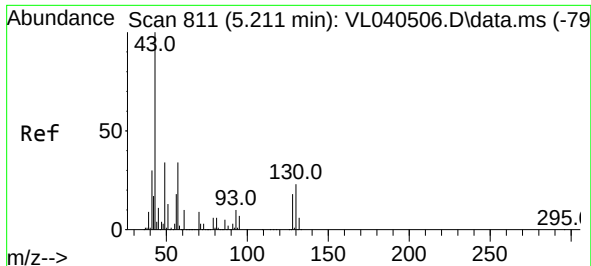


#24
 1,1-Dichloroethane
 Concen: 10.744 ppbv
 RT: 4.561 min Scan# 609
 Delta R.T. -0.010 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion: 63 Resp: 1195734

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.5
100	2.2	1.4	4.0



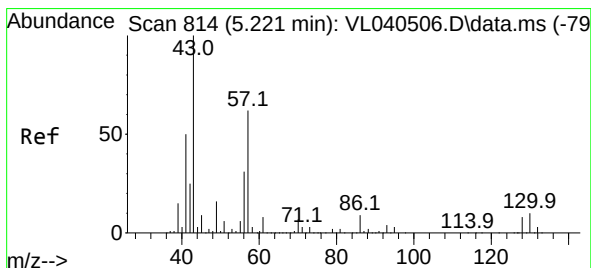
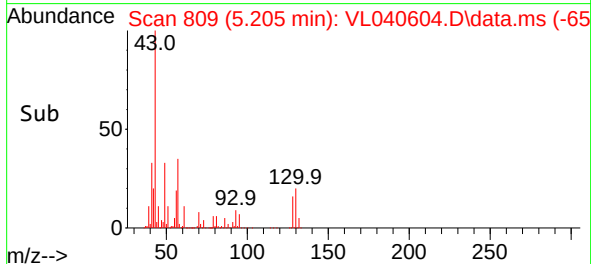
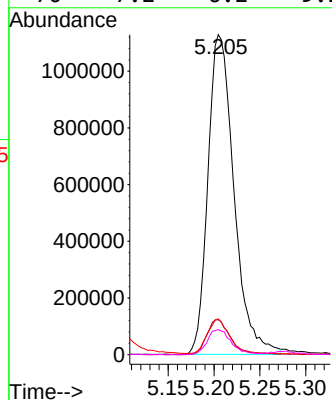
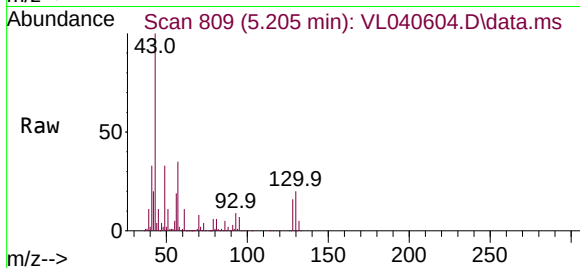


#25
Ethyl Acetate
Concen: 10.170 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2228365

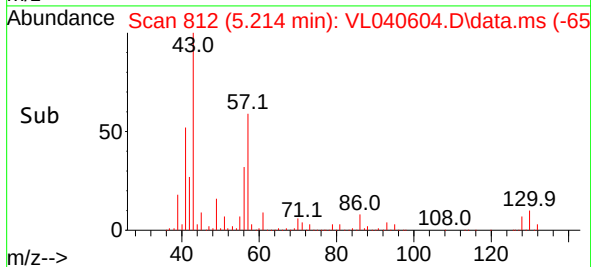
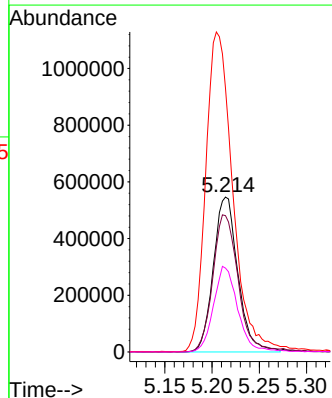
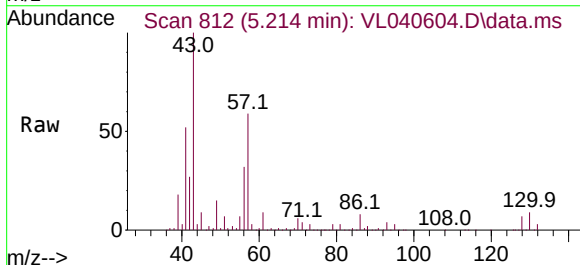
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	10.1	8.3	12.5
70	7.2	6.2	9.2

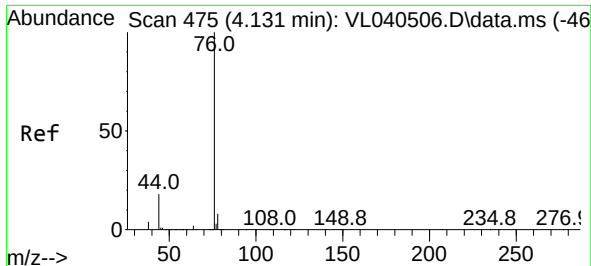


#26
Hexane
Concen: 9.668 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 57 Resp: 984090

Ion	Ratio	Lower	Upper
57	100		
41	93.3	69.5	104.3
43	230.1	177.1	265.7
56	55.1	42.3	63.5



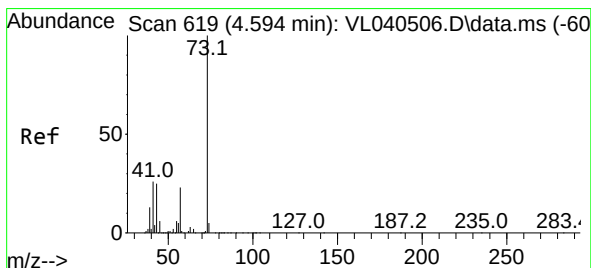
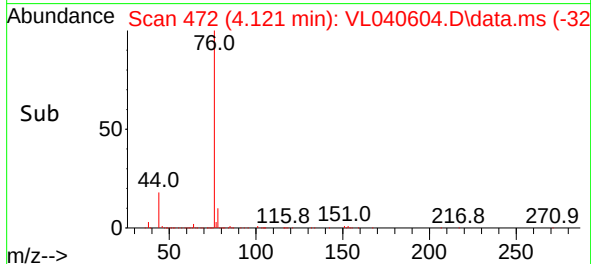
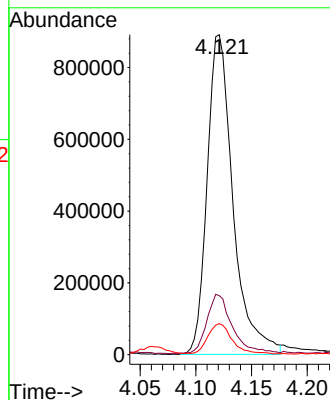
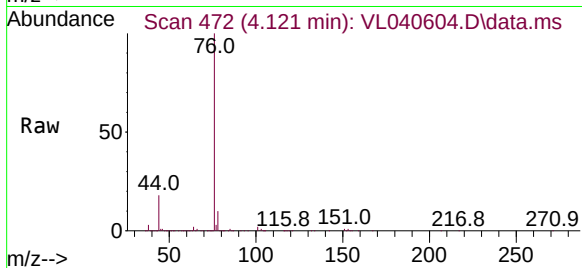


#27
Carbon Disulfide
Concen: 12.027 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1440042

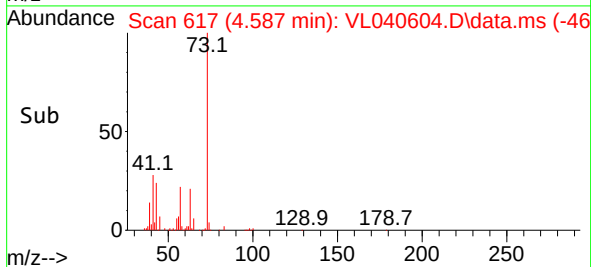
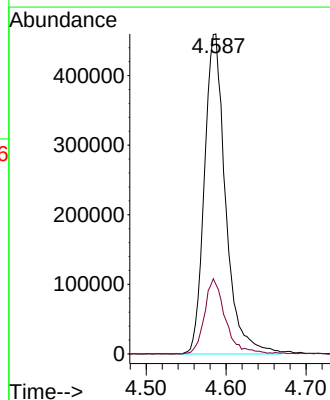
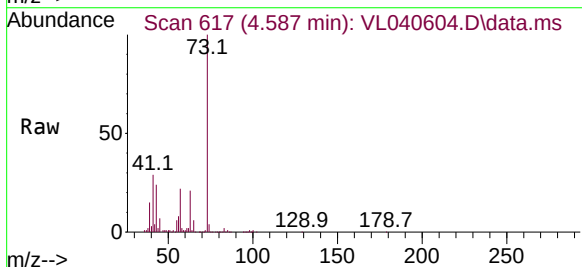
Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.1	22.7
78	9.6	7.5	11.3

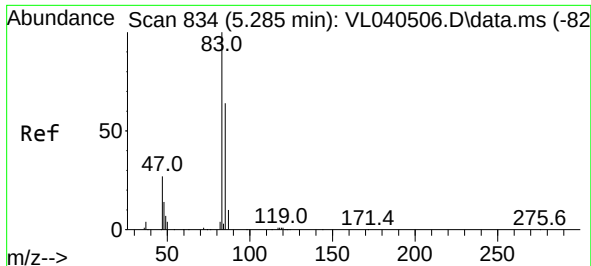


#28
Methyl tert-Butyl Ether
Concen: 10.339 ppbv
RT: 4.587 min Scan# 617
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 73 Resp: 847251

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.8	28.2

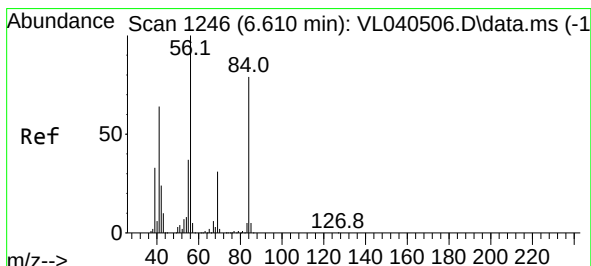
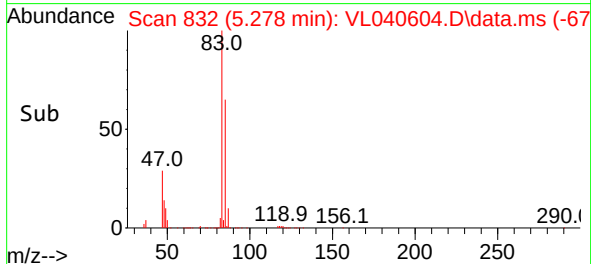
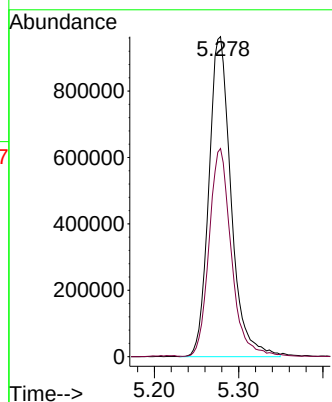
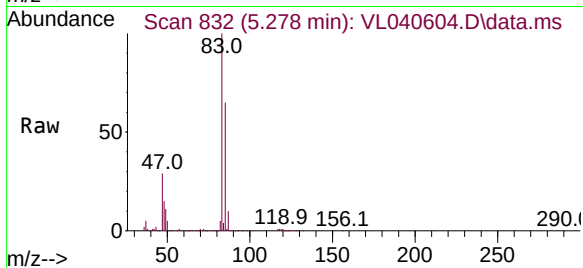




#29
Chloroform
Concen: 10.450 ppbv
RT: 5.278 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

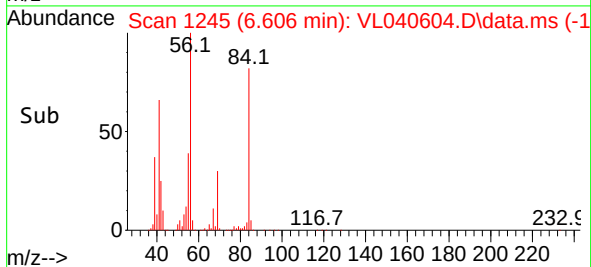
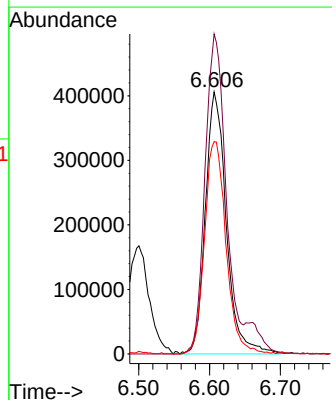
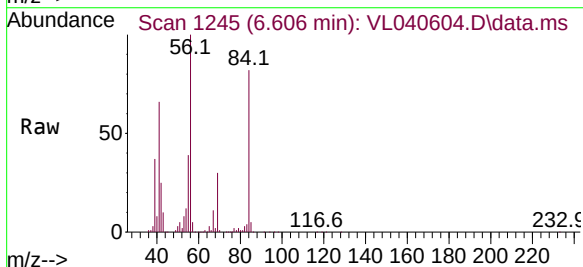
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

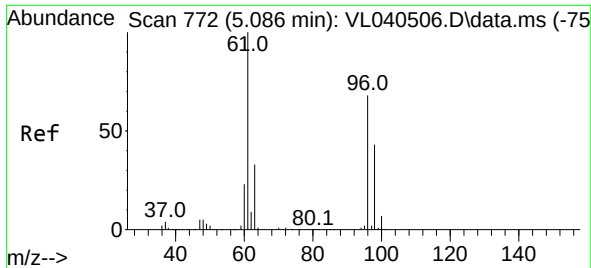
Tgt Ion: 83 Resp: 1764289
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7



#30
Cyclohexane
Concen: 9.839 ppbv
RT: 6.606 min Scan# 1245
Delta R.T. -0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 84 Resp: 833352
Ion Ratio Lower Upper
84 100
56 130.6 108.7 163.1
41 83.8 64.5 96.7

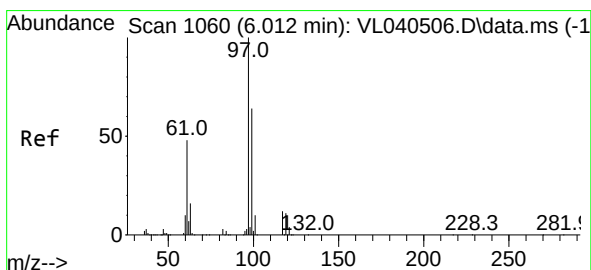
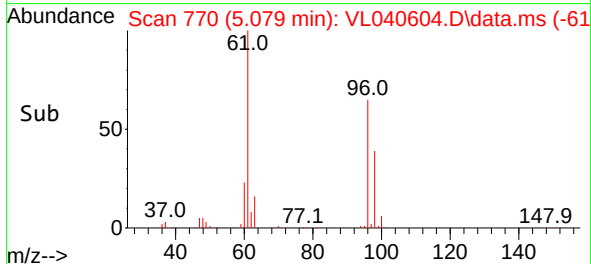
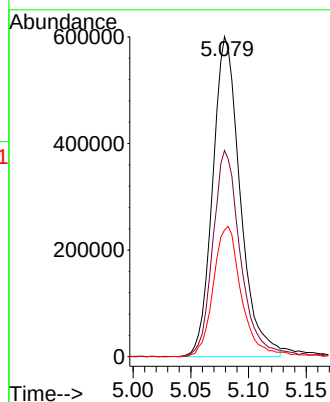
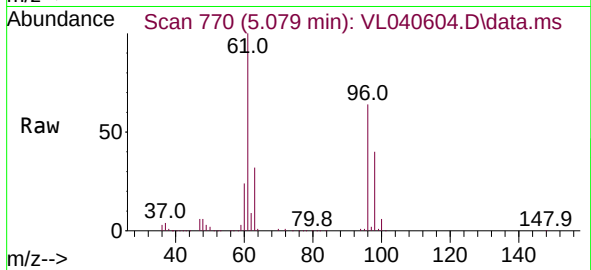




#31
 cis-1,2-Dichloroethene
 Concen: 9.903 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

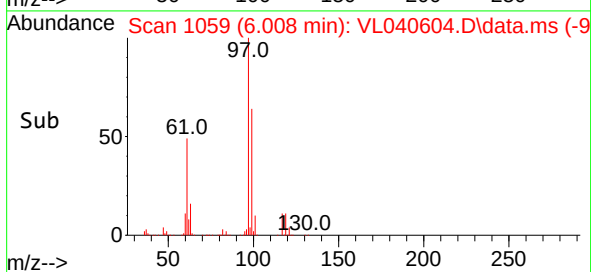
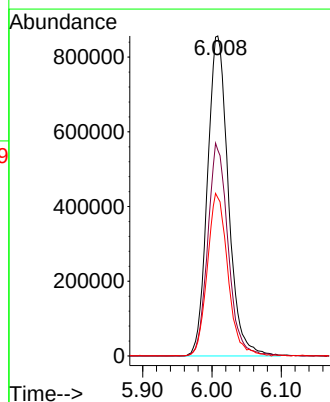
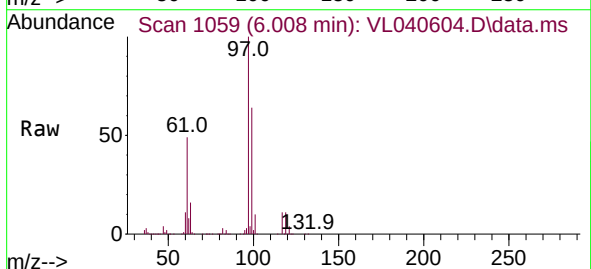
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

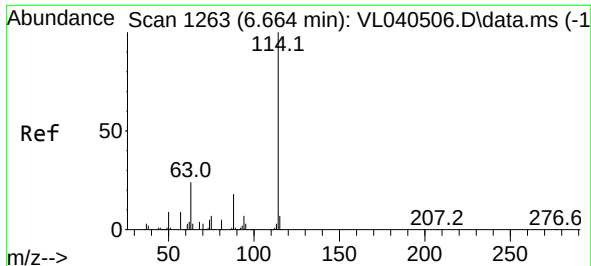
Tgt Ion: 61 Resp: 996454
 Ion Ratio Lower Upper
 61 100
 96 64.4 54.7 82.1
 98 39.6 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 10.828 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. -0.003 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion: 97 Resp: 1788811
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.0 78.0
 61 50.1 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

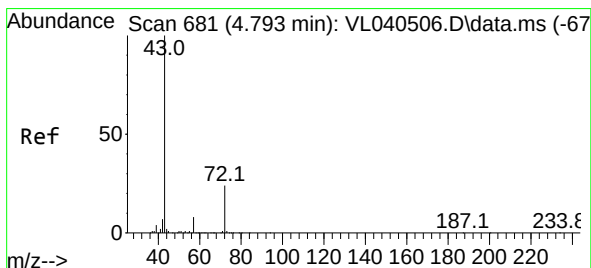
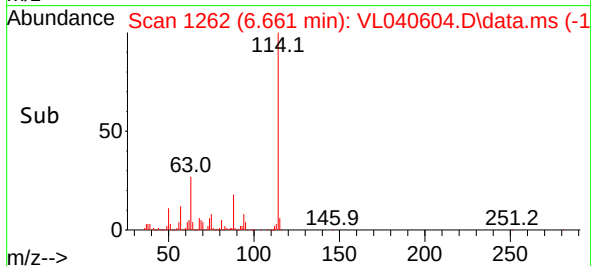
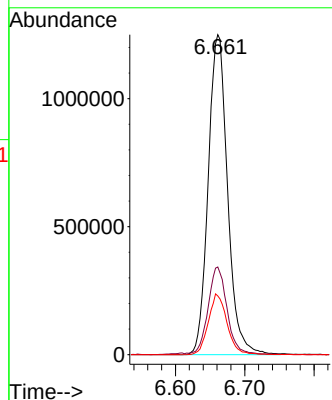
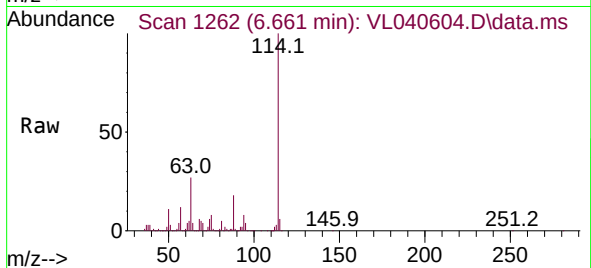
Tgt Ion:114 Resp: 2423280

Ion Ratio Lower Upper

114 100

63 27.6 19.6 29.4

88 18.4 14.2 21.2



#34

2-Butanone

Concen: 11.196 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.007 min

Lab File: VL040604.D

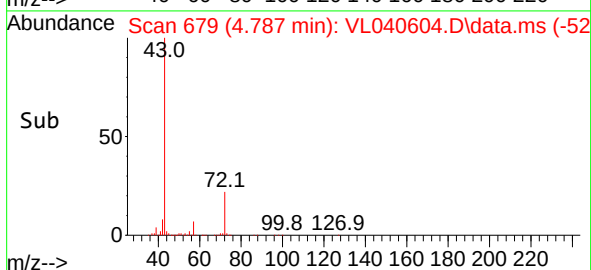
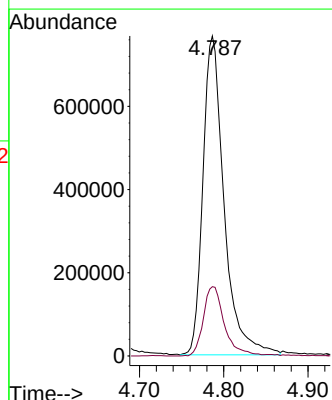
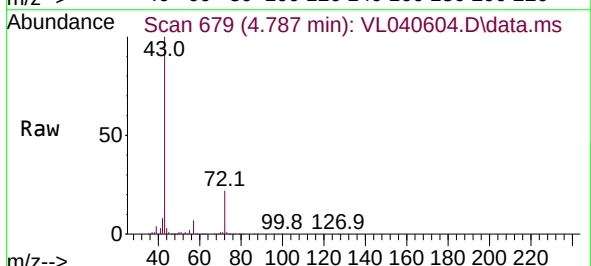
Acq: 9 Aug 2023 13:38

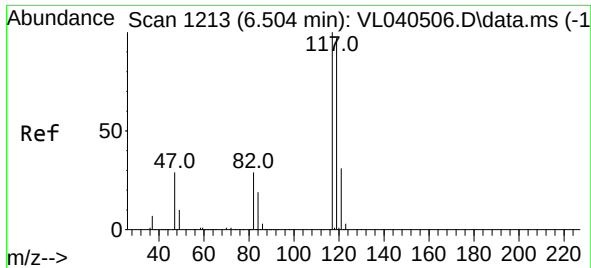
Tgt Ion: 43 Resp: 1340694

Ion Ratio Lower Upper

43 100

72 22.3 19.1 28.7

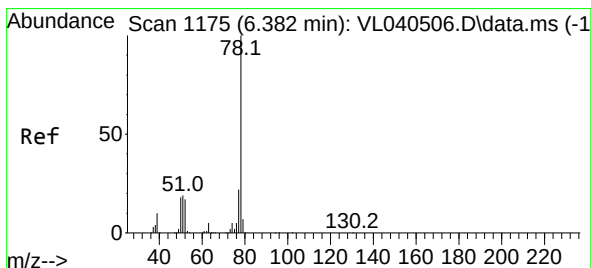
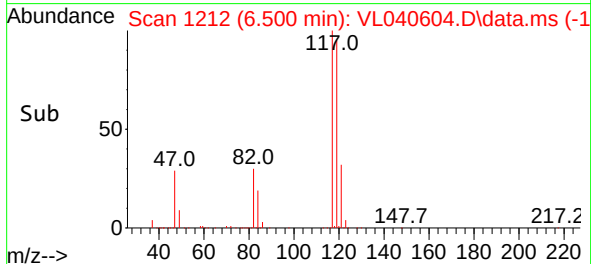
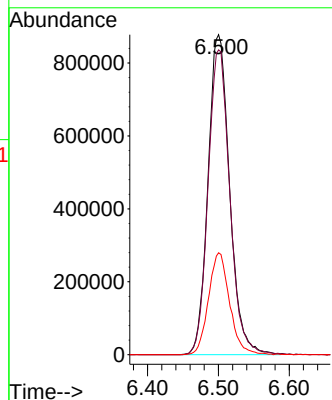
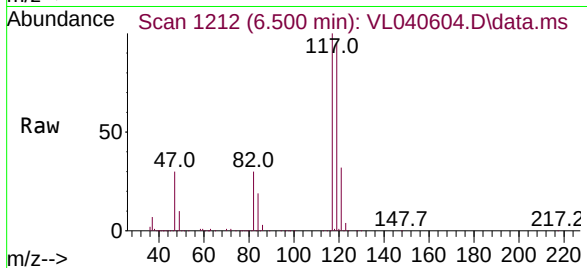




#35
Carbon Tetrachloride
Concen: 12.746 ppbv
RT: 6.500 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

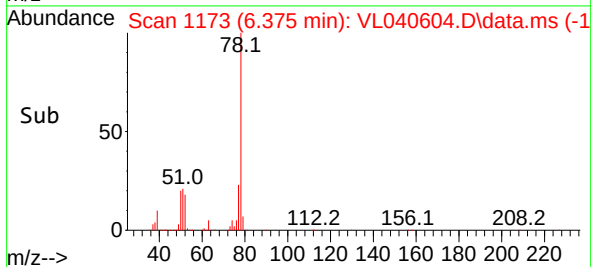
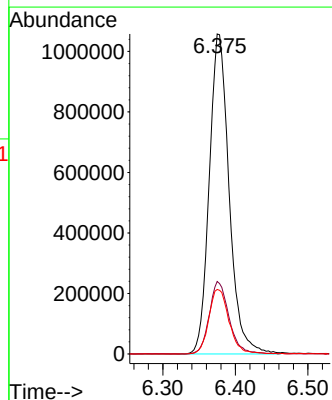
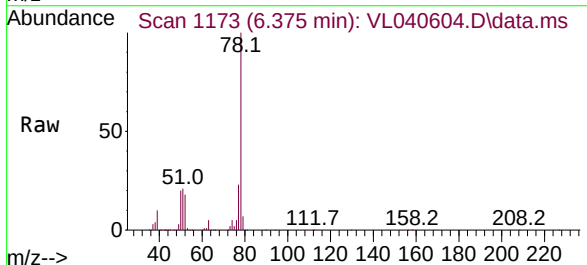
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

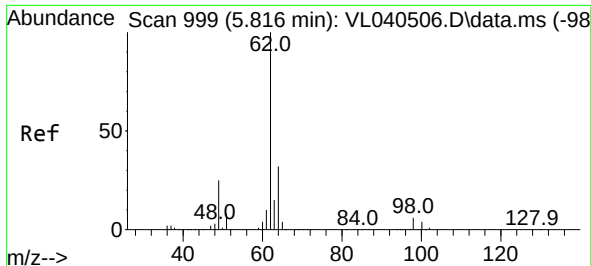
Tgt Ion:117 Resp: 1858837
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.6
121 31.9 24.8 37.2



#36
Benzene
Concen: 10.338 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 78 Resp: 2015688
Ion Ratio Lower Upper
78 100
77 22.7 17.4 26.0
50 20.1 14.4 21.6

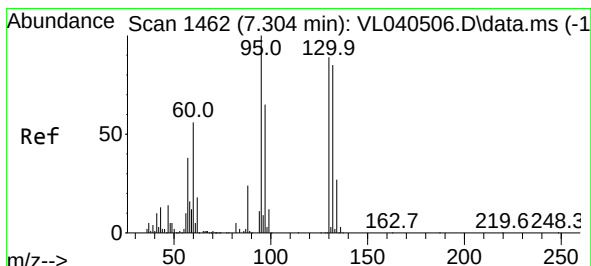
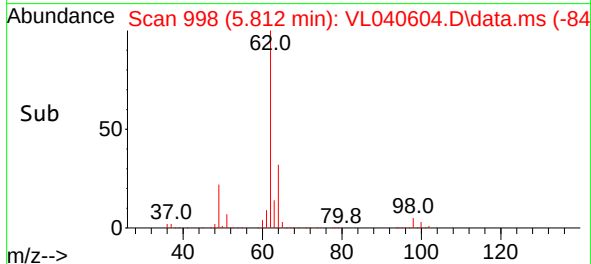
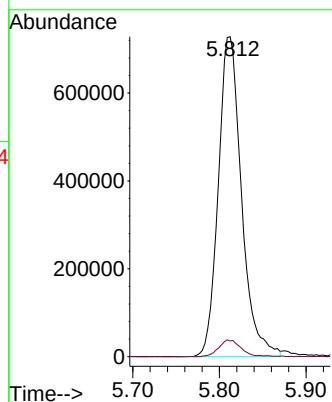
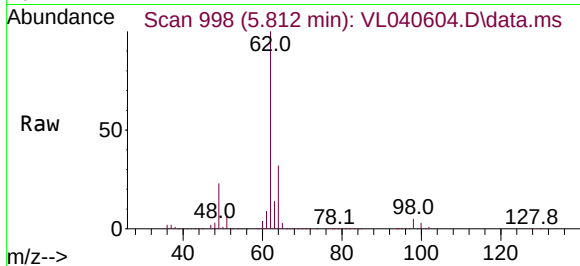




#37
1,2-Dichloroethane
Concen: 11.819 ppbv
RT: 5.812 min Scan# 999
Delta R.T. -0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

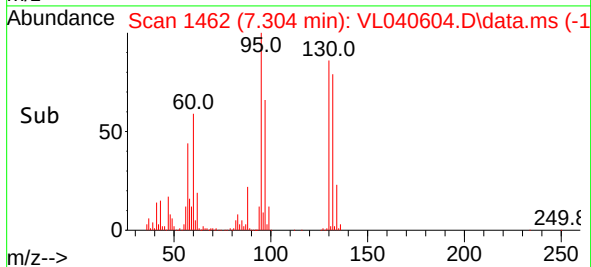
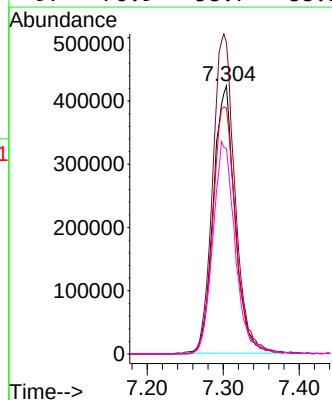
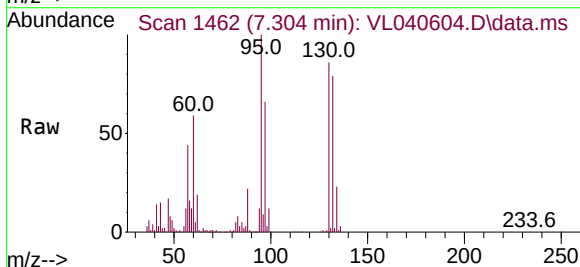
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

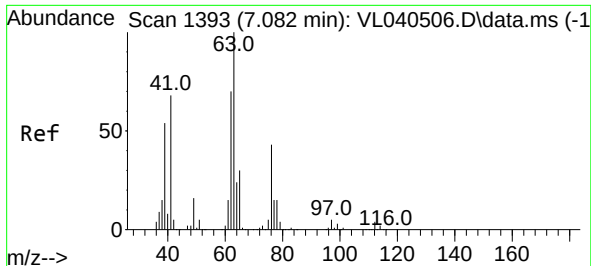
Tgt Ion: 62 Resp: 1355726
Ion Ratio Lower Upper
62 100
98 5.2 5.1 7.7



#38
Trichloroethene
Concen: 11.311 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.000 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion:130 Resp: 834225
Ion Ratio Lower Upper
130 100
95 116.4 90.2 135.2
132 91.9 76.3 114.5
97 76.9 58.7 88.1





#39

1,2-Dichloropropane

Concen: 10.600 ppbv

RT: 7.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

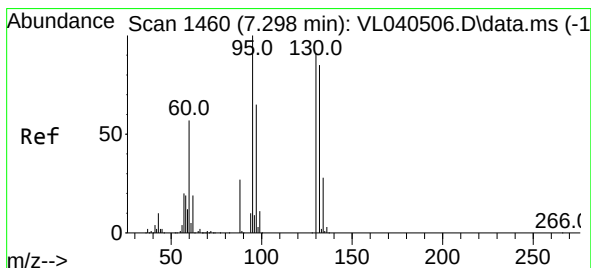
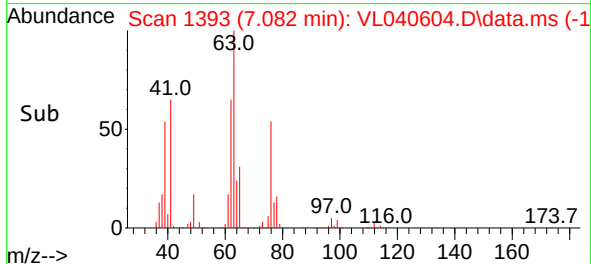
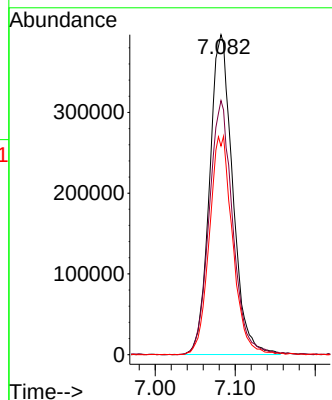
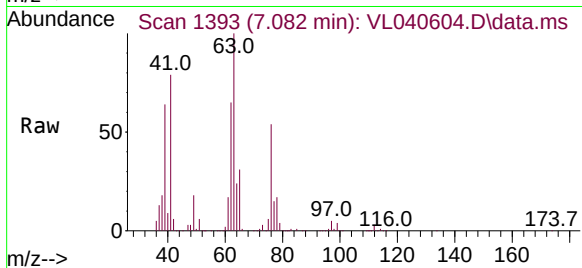
Tgt Ion: 63 Resp: 795662

Ion Ratio Lower Upper

63 100

41 79.4 54.3 81.5

62 65.1 55.6 83.4



#40

1,4-Dioxane

Concen: 11.012 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Tgt Ion: 88 Resp: 258519

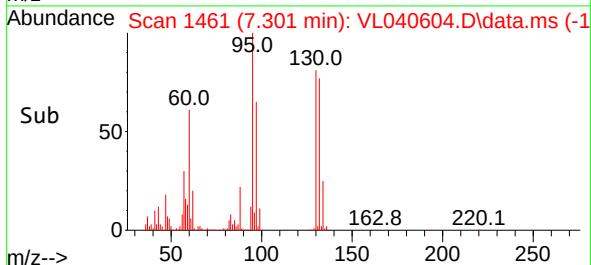
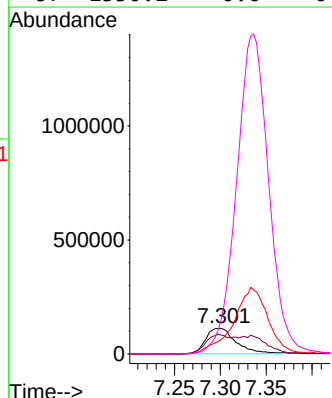
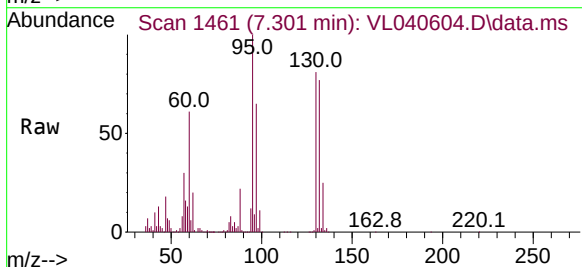
Ion Ratio Lower Upper

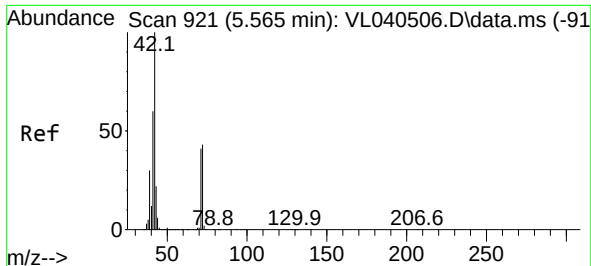
88 100

58 62.9 58.6 88.0

43 300.7 0.0 0.0#

57 1330.2 0.0 0.0#

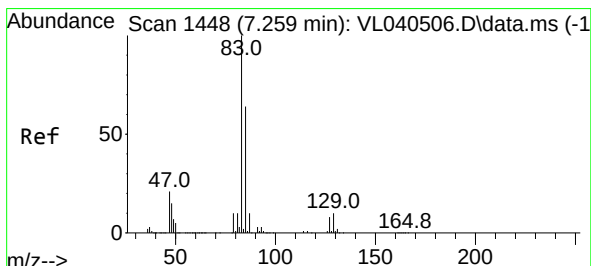
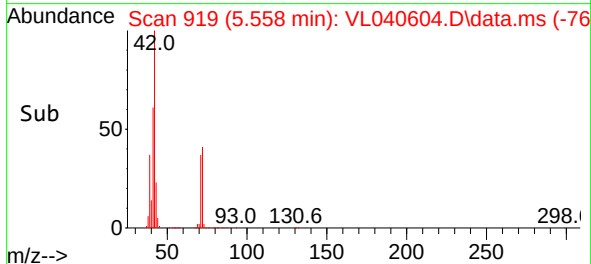
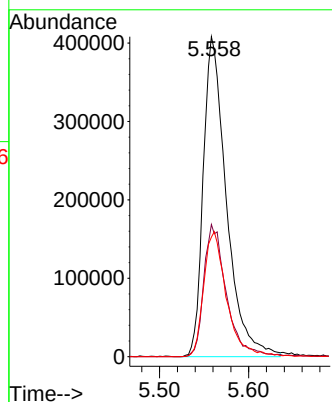
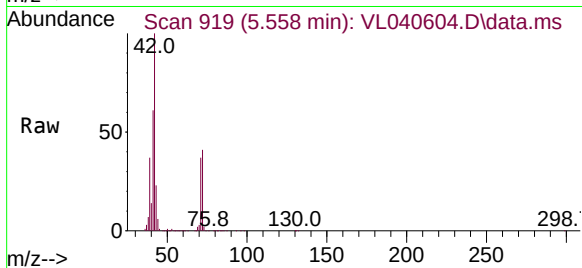




#41
Tetrahydrofuran
Concen: 10.561 ppbv
RT: 5.558 min Scan# 919
Delta R.T. -0.007 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

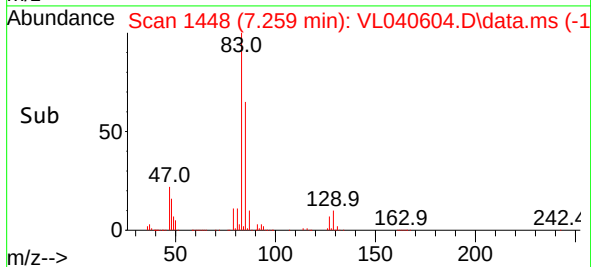
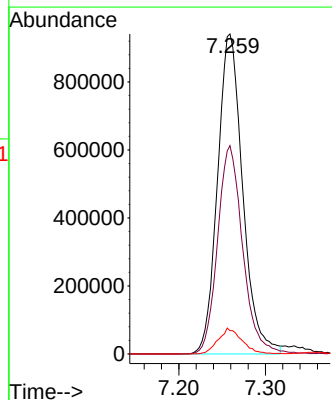
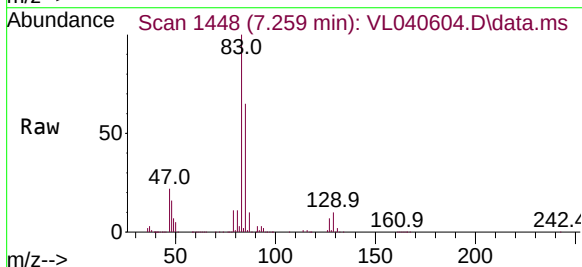
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

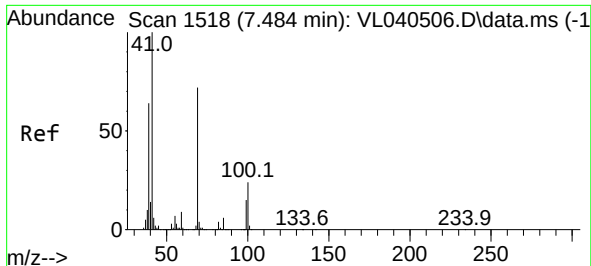
Tgt Ion: 42 Resp: 737967
Ion Ratio Lower Upper
42 100
72 40.6 33.8 50.8
71 38.9 33.0 49.6



#42
Bromodichloromethane
Concen: 11.910 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 83 Resp: 1900049
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7
127 7.3 6.5 9.7





#43

Methyl Methacrylate

Concen: 11.511 ppbv

RT: 7.484 min Scan# 1518

Delta R.T. -0.000 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

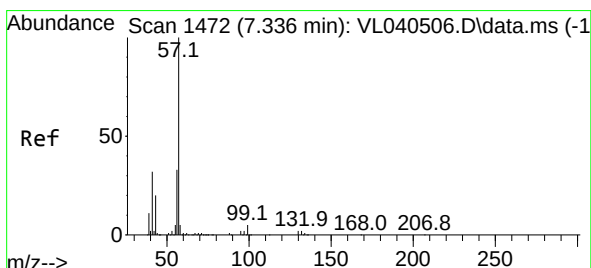
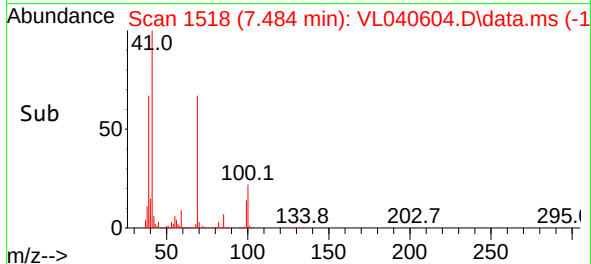
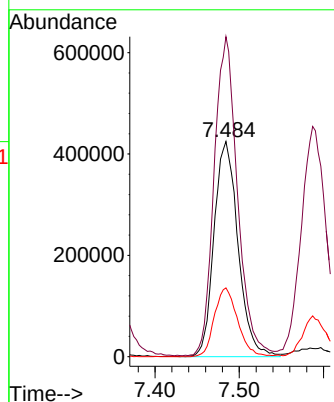
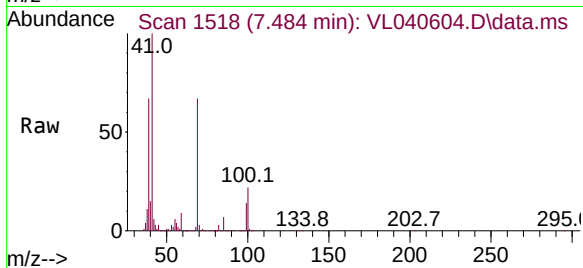
Tgt Ion: 69 Resp: 840116

Ion Ratio Lower Upper

69 100

41 144.8 111.7 167.5

100 31.0 26.9 40.3



#44

2,2,4-Trimethylpentane

Concen: 10.957 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

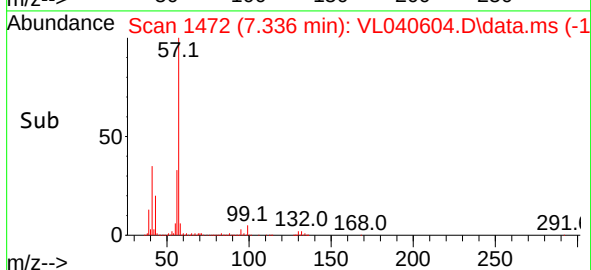
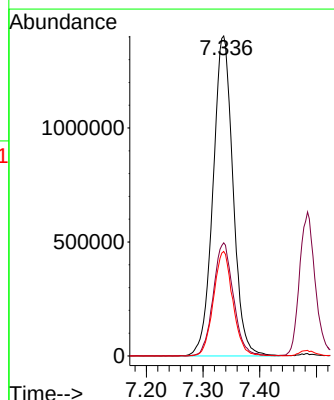
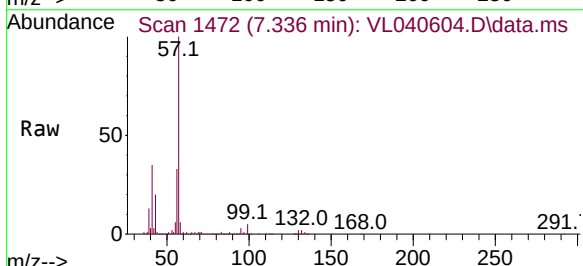
Tgt Ion: 57 Resp: 3437240

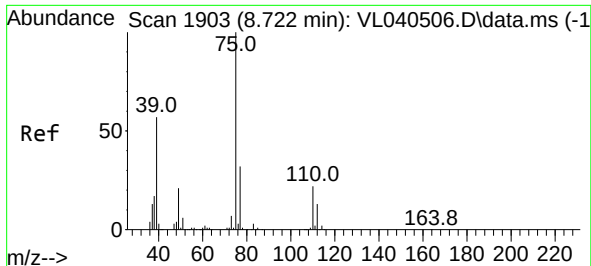
Ion Ratio Lower Upper

57 100

41 35.6 25.5 38.3

56 31.7 25.1 37.7

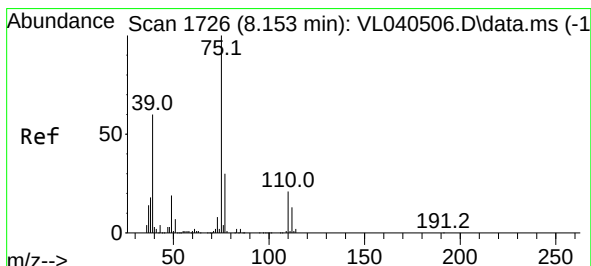
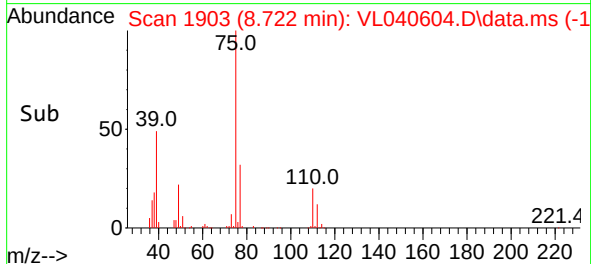
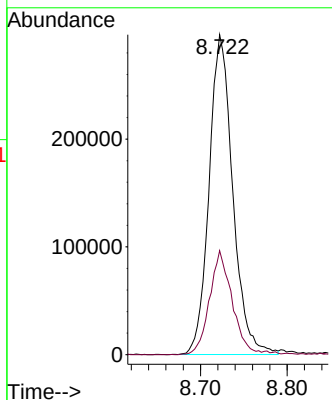
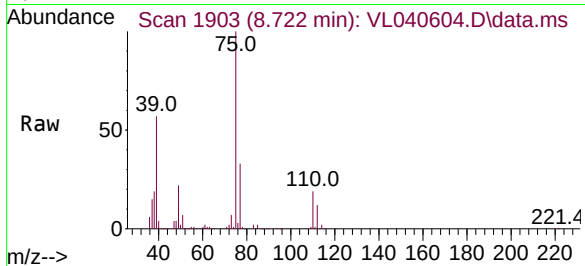




#45
 t-1,3-Dichloropropene
 Concen: 12.028 ppbv
 RT: 8.722 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

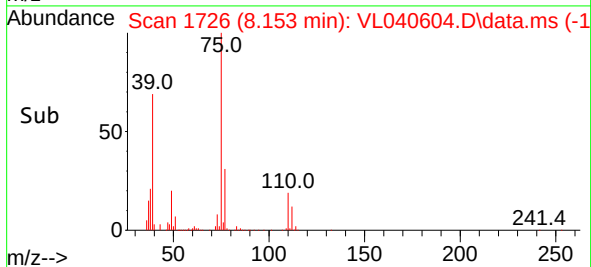
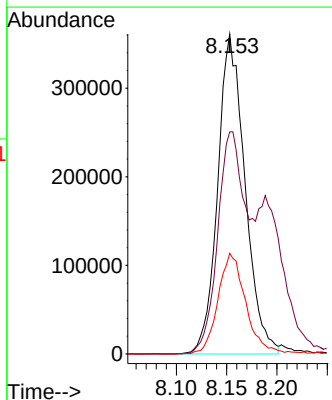
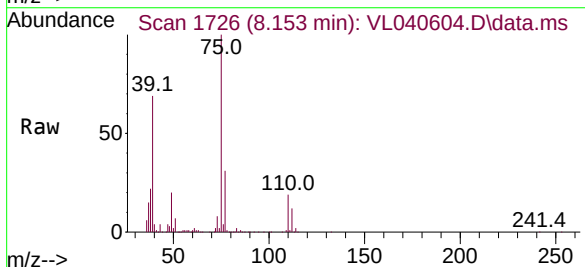
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

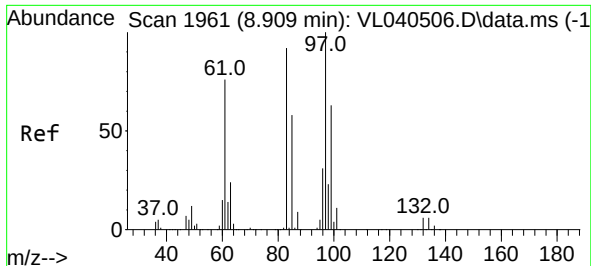
Tgt Ion: 75 Resp: 563120
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 11.339 ppbv
 RT: 8.153 min Scan# 1726
 Delta R.T. -0.000 min
 Lab File: VL040604.D
 Acq: 9 Aug 2023 13:38

Tgt Ion: 75 Resp: 681078
 Ion Ratio Lower Upper
 75 100
 39 69.3 48.0 72.0
 77 31.4 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 10.675 ppbv

RT: 8.912 min Scan# 1962

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 884048

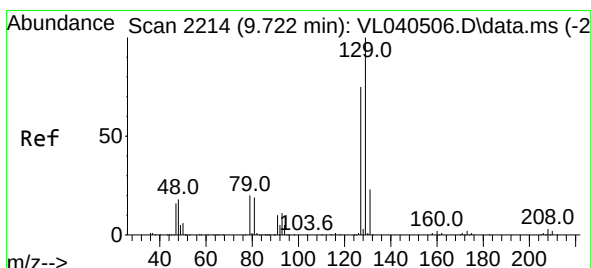
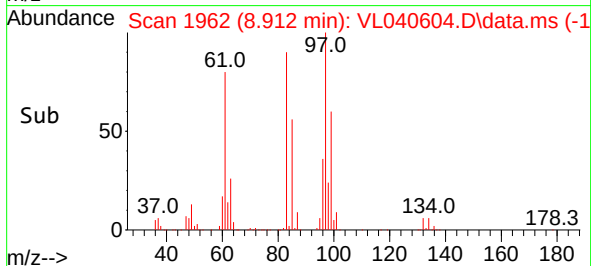
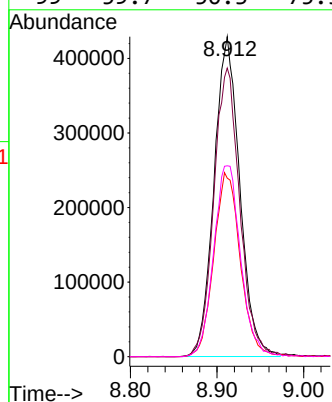
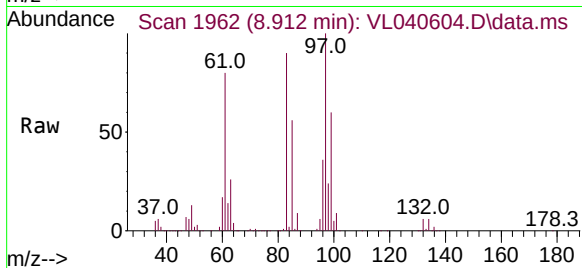
Ion Ratio Lower Upper

97 100

83 90.2 73.4 110.0

85 55.9 46.6 70.0

99 59.7 50.3 75.5



#48

Dibromochloromethane

Concen: 12.173 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. 0.003 min

Lab File: VL040604.D

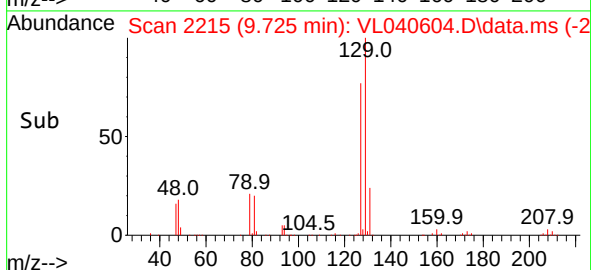
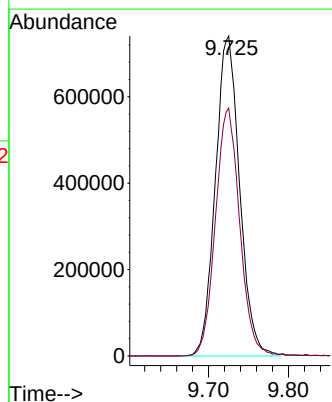
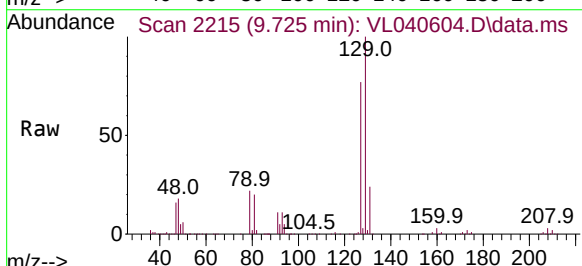
Acq: 9 Aug 2023 13:38

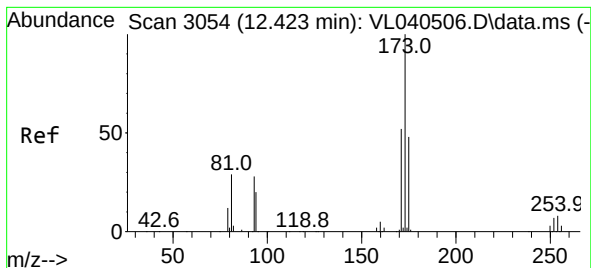
Tgt Ion: 129 Resp: 1558671

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





#49

Bromoform

Concen: 12.704 ppbv

RT: 12.423 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

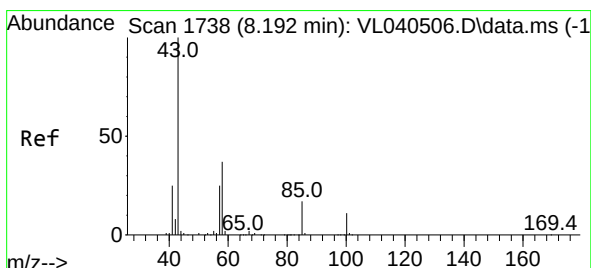
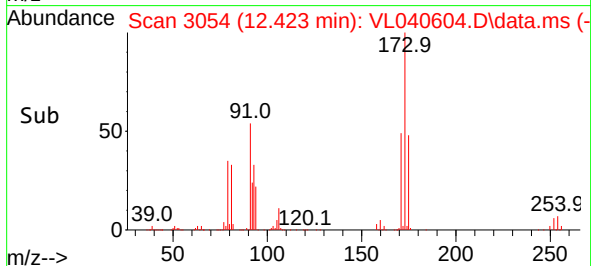
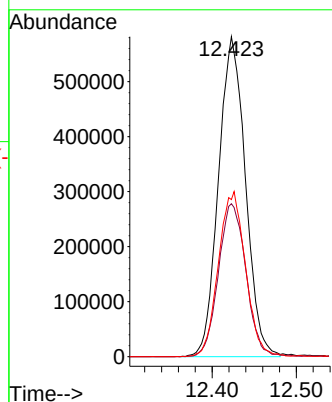
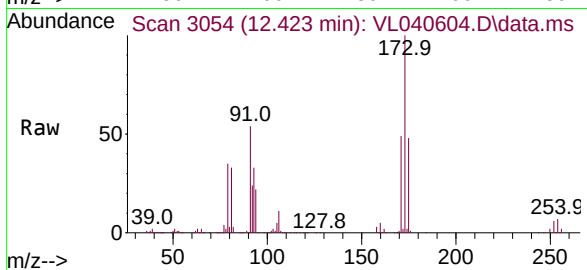
Tgt Ion:173 Resp: 1289576

Ion Ratio Lower Upper

173 100

175 48.9 39.5 59.3

171 52.2 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 11.894 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. -0.000 min

Lab File: VL040604.D

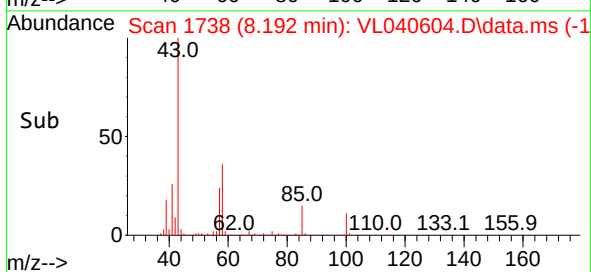
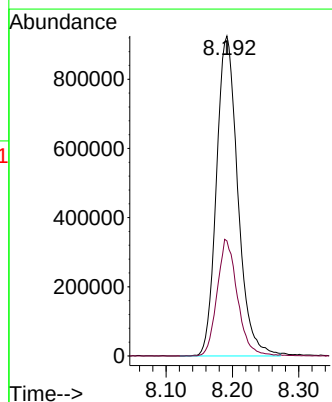
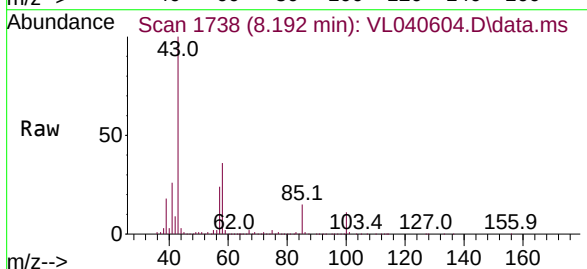
Acq: 9 Aug 2023 13:38

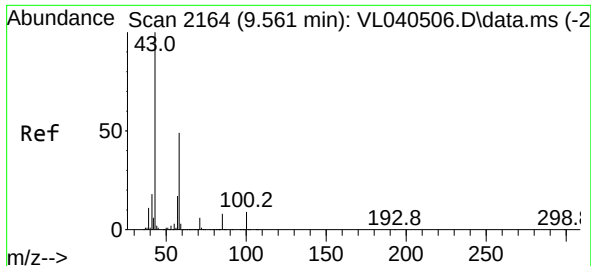
Tgt Ion: 43 Resp: 2069347

Ion Ratio Lower Upper

43 100

58 34.8 30.2 45.2

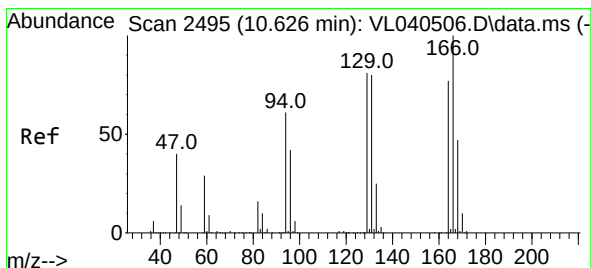
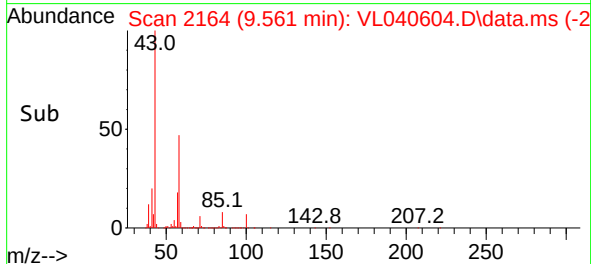
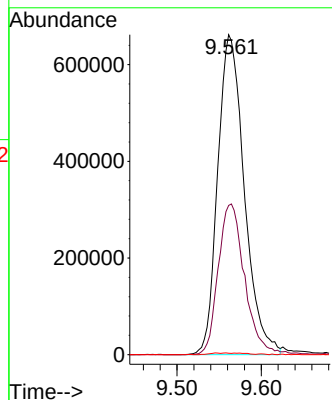
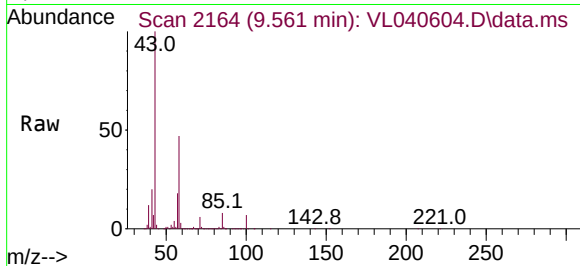




#51
2-Hexanone
Concen: 11.778 ppbv
RT: 9.561 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

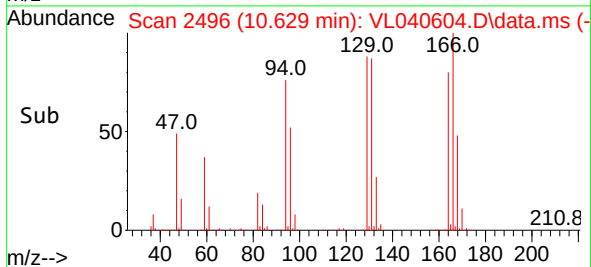
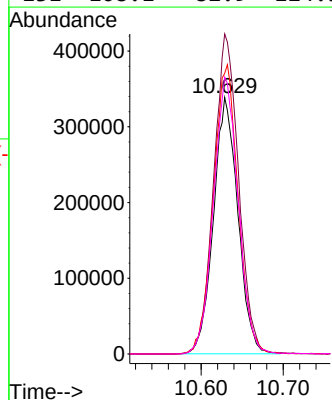
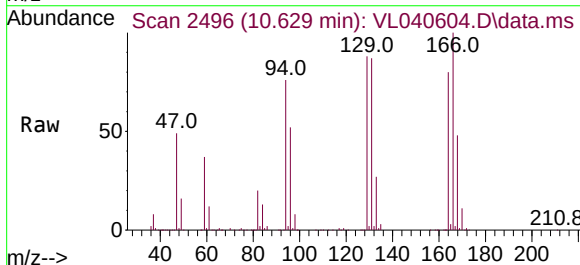
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

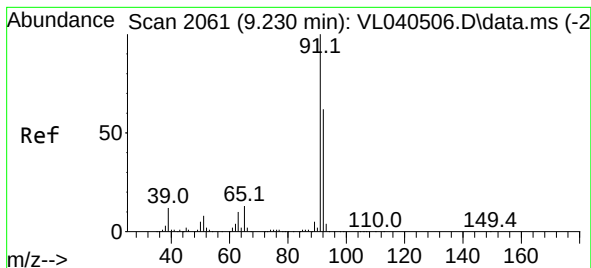
Tgt Ion: 43 Resp: 1449096
Ion Ratio Lower Upper
43 100
58 47.2 39.7 59.5
98 0.8 0.3 0.5#



#52
Tetrachloroethene
Concen: 11.085 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion:164 Resp: 699967
Ion Ratio Lower Upper
164 100
166 124.8 103.9 155.9
129 109.4 84.6 126.8
131 108.1 82.9 124.3





#53

Toluene

Concen: 11.172 ppbv

RT: 9.233 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

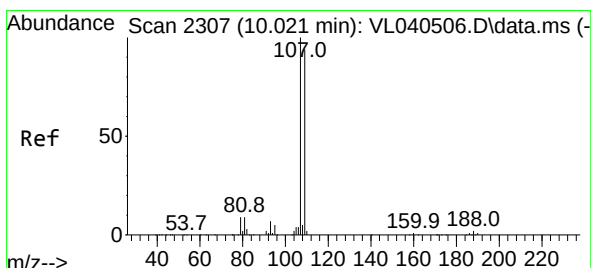
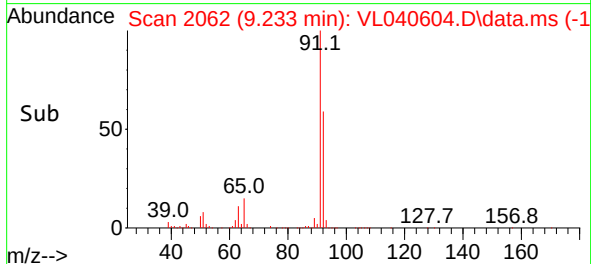
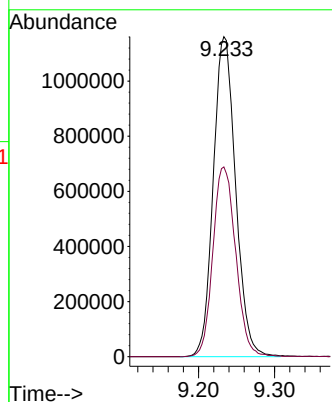
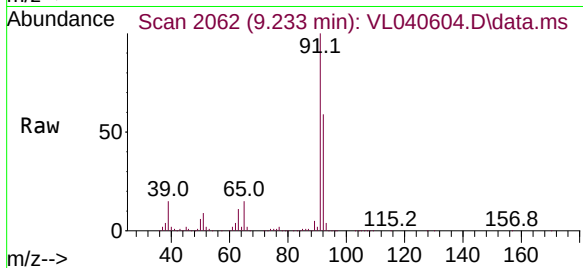
VSTDCCC010

Tgt Ion: 91 Resp: 2366109

Ion Ratio Lower Upper

91 100

92 60.7 49.1 73.7



#54

1,2-Dibromoethane

Concen: 11.112 ppbv

RT: 10.024 min Scan# 2308

Delta R.T. 0.003 min

Lab File: VL040604.D

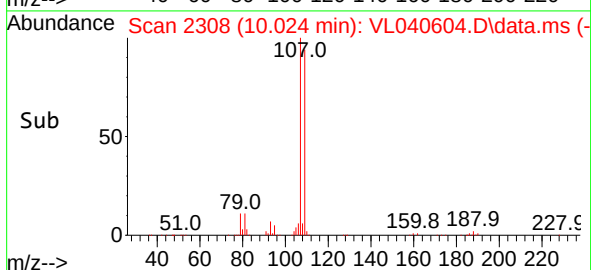
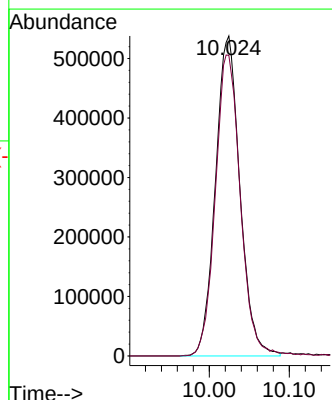
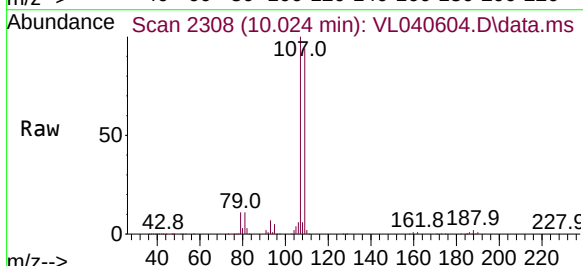
Acq: 9 Aug 2023 13:38

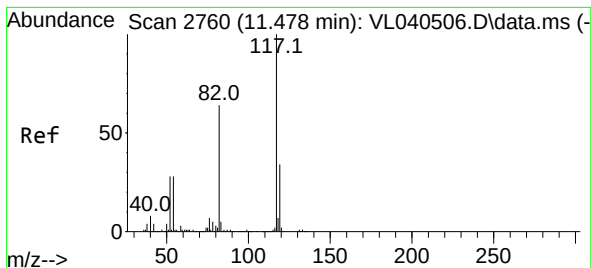
Tgt Ion: 107 Resp: 1143856

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 2760

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

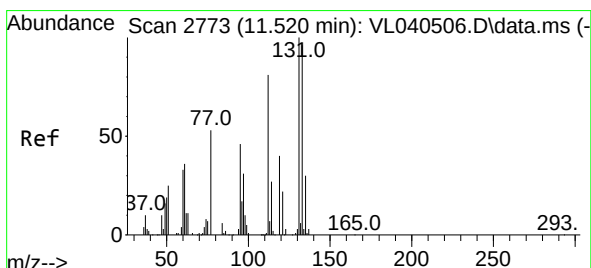
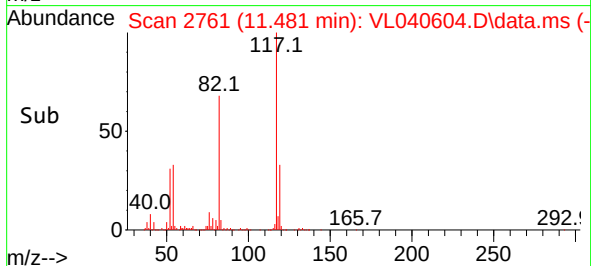
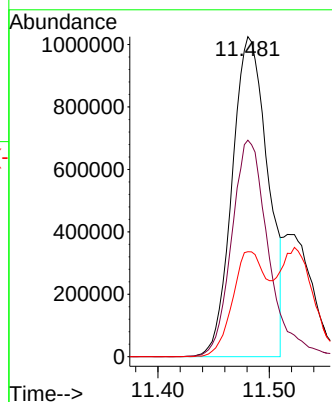
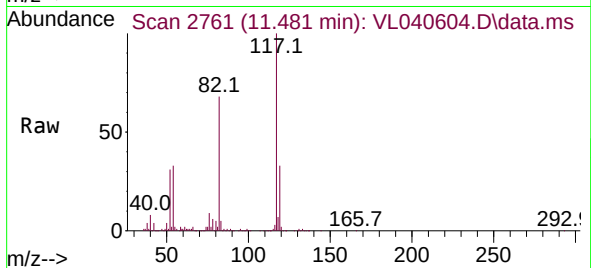
Tgt Ion:117 Resp: 2279810

Ion Ratio Lower Upper

117 100

82 70.3 50.2 75.4

119 32.4 26.9 40.3



#56

1,1,1,2-Tetrachloroethane

Concen: 11.519 ppbv

RT: 11.526 min Scan# 2775

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

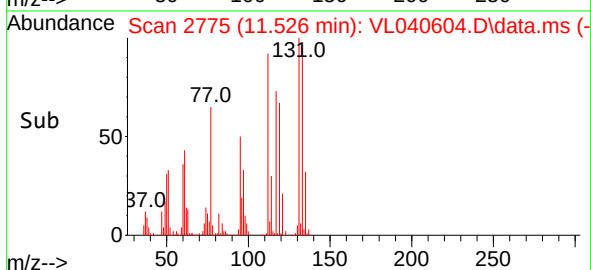
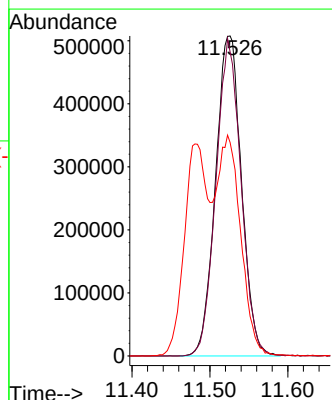
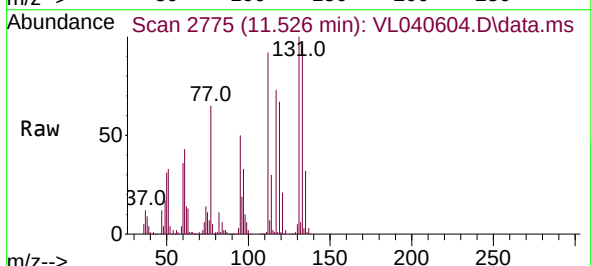
Tgt Ion:131 Resp: 1176070

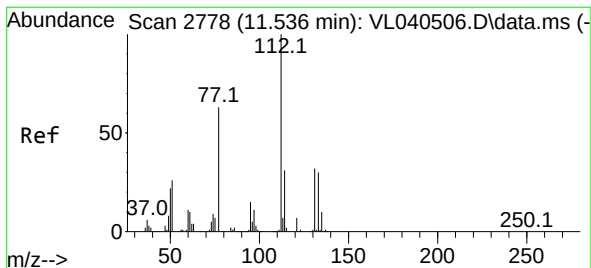
Ion Ratio Lower Upper

131 100

133 95.6 76.3 114.5

119 62.9 51.1 76.7

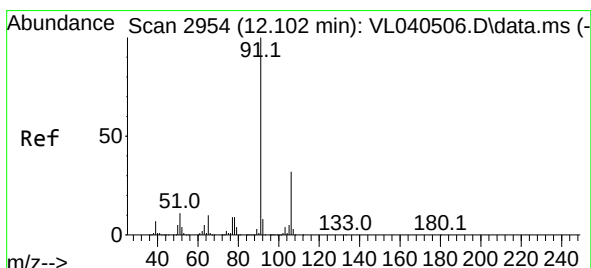
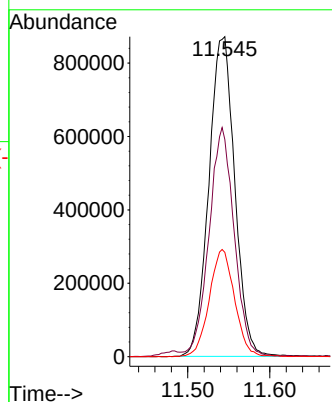
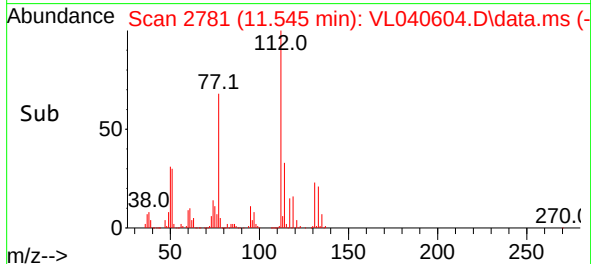
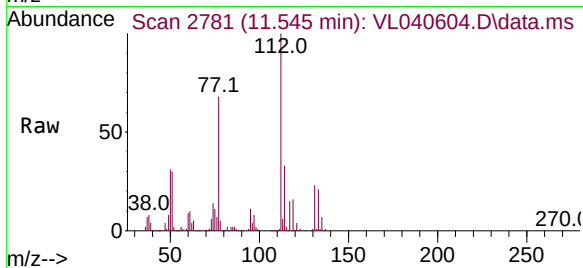




#57
Chlorobenzene
Concen: 10.735 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

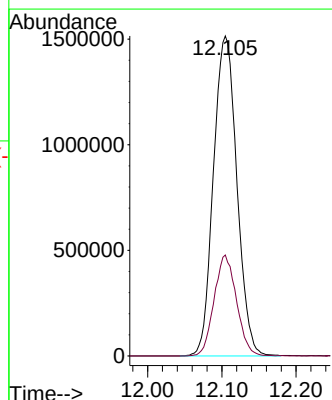
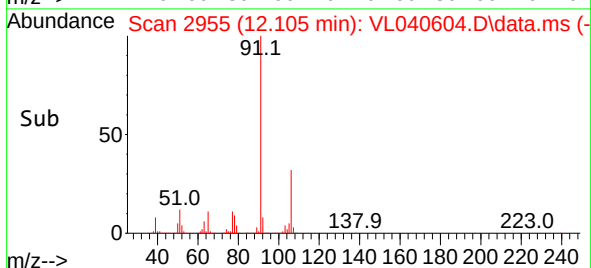
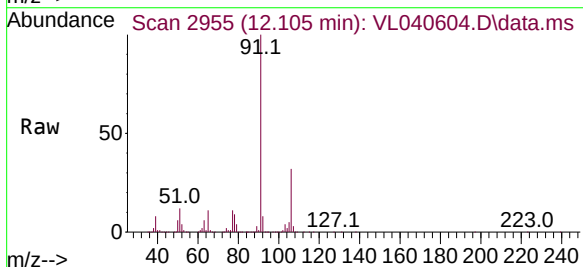
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

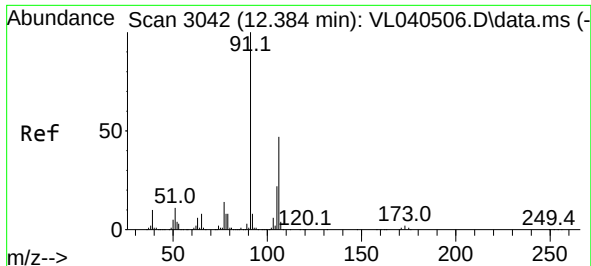
Tgt Ion:112 Resp: 1908673
Ion Ratio Lower Upper
112 100
77 67.7 51.0 76.6
114 32.5 28.3 34.5



#58
Ethyl Benzene
Concen: 11.622 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 91 Resp: 3324950
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.0





#59

m/p-Xylene

Concen: 12.390 ppbv

RT: 12.388 min Scan# 3042

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

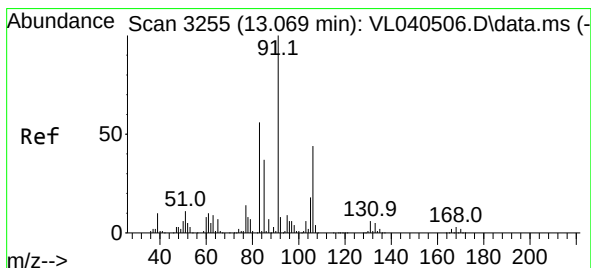
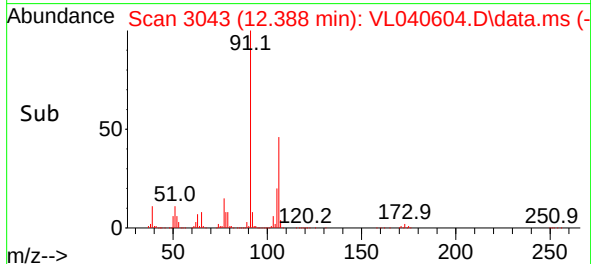
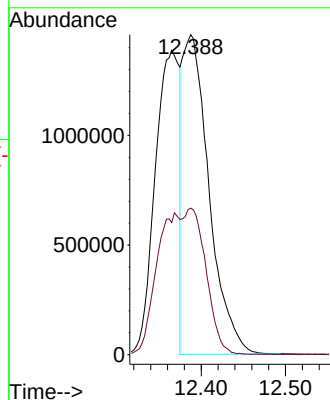
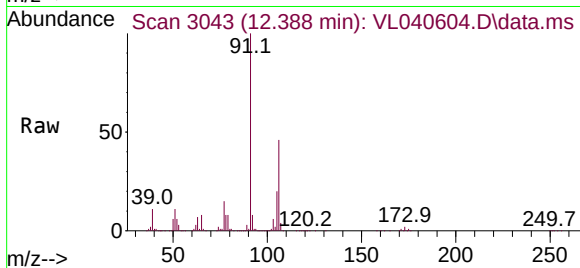
VSTDCCC010

Tgt Ion: 91 Resp: 3163863

Ion Ratio Lower Upper

91 100

106 81.2 35.9 53.9#



#60

o-Xylene

Concen: 11.978 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.006 min

Lab File: VL040604.D

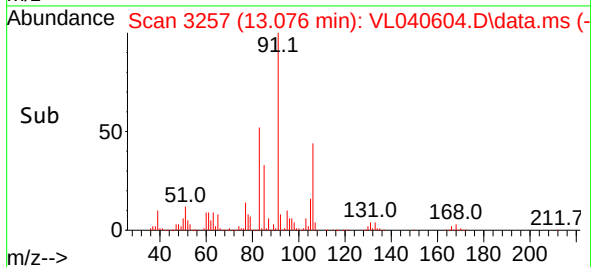
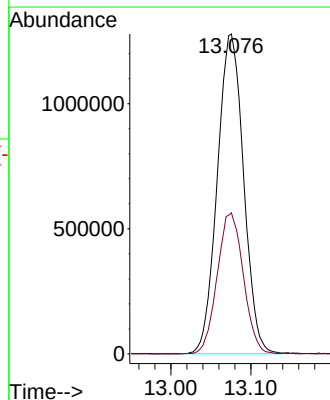
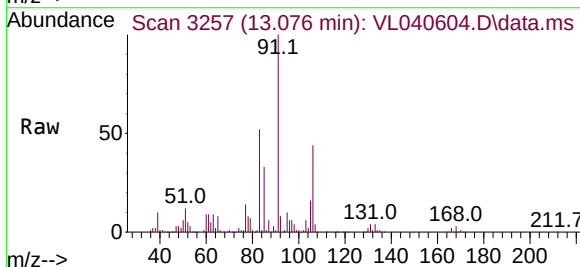
Acq: 9 Aug 2023 13:38

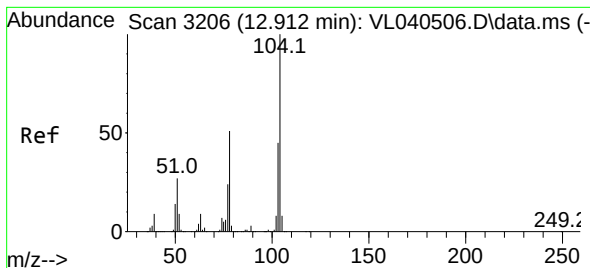
Tgt Ion: 91 Resp: 2913693

Ion Ratio Lower Upper

91 100

106 44.1 22.7 68.0





#61

Styrene

Concen: 12.177 ppbv

RT: 12.915 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

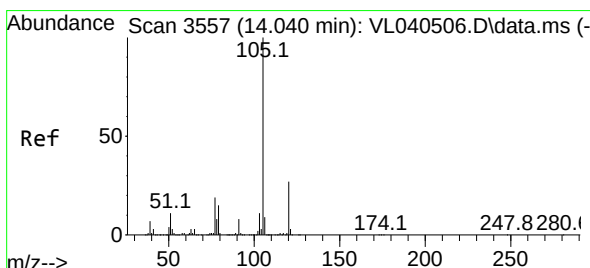
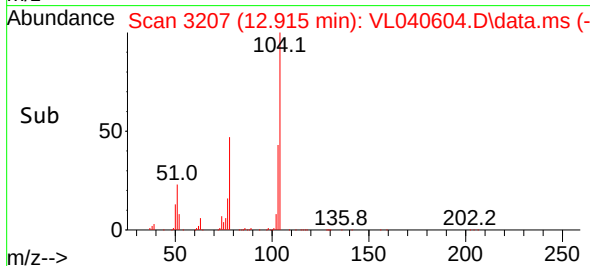
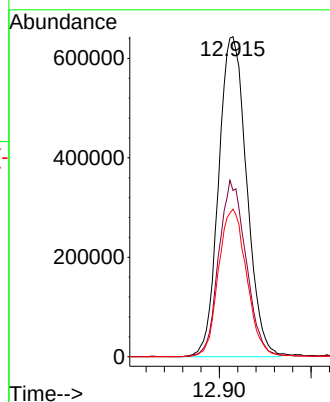
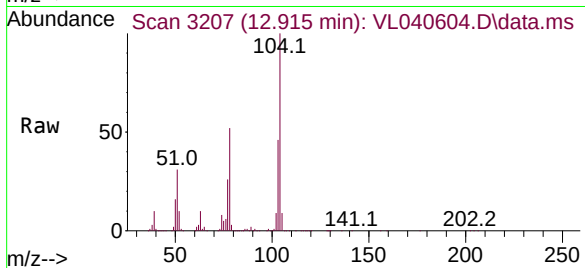
Tgt Ion:104 Resp: 1366332

Ion Ratio Lower Upper

104 100

78 53.9 40.1 60.1

103 46.5 37.0 55.4



#62

Isopropylbenzene

Concen: 11.456 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.006 min

Lab File: VL040604.D

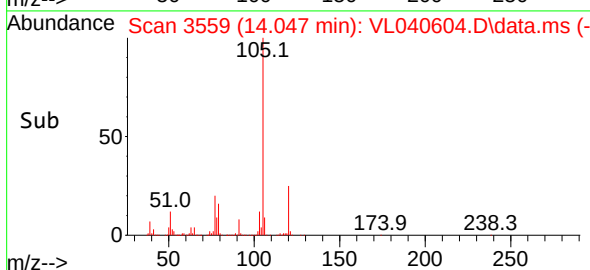
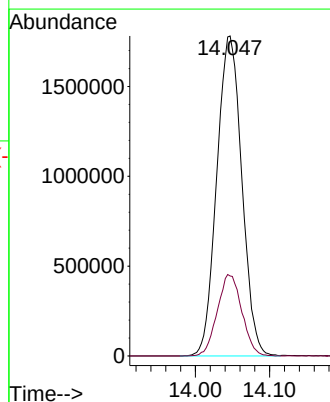
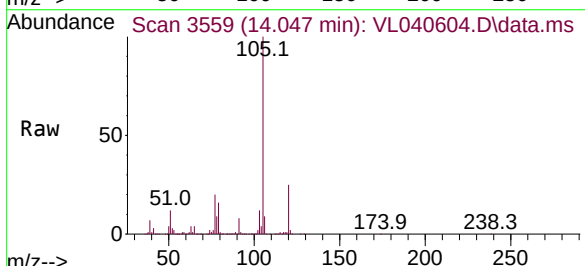
Acq: 9 Aug 2023 13:38

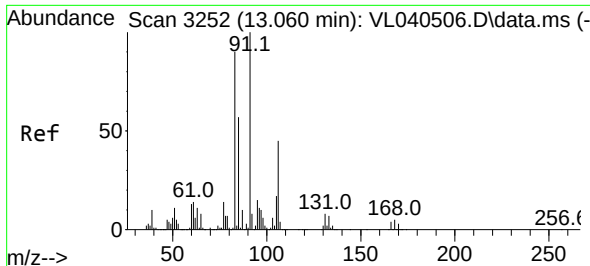
Tgt Ion:105 Resp: 4176997

Ion Ratio Lower Upper

105 100

120 24.9 20.8 31.2

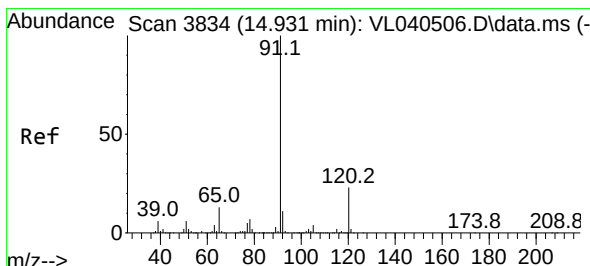
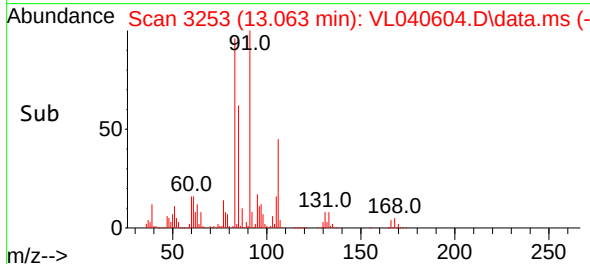
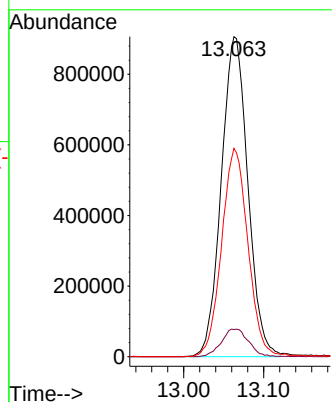
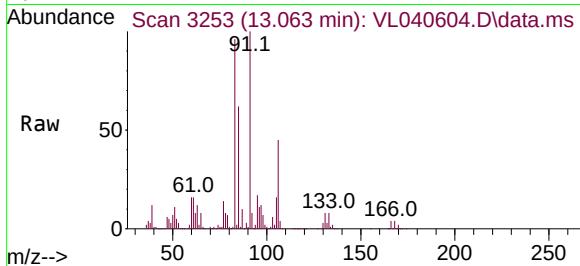




#63
1,1,2,2-Tetrachloroethane
Concen: 12.266 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

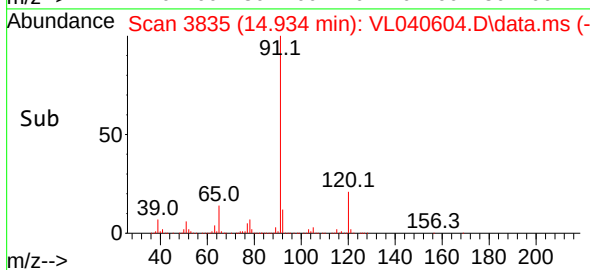
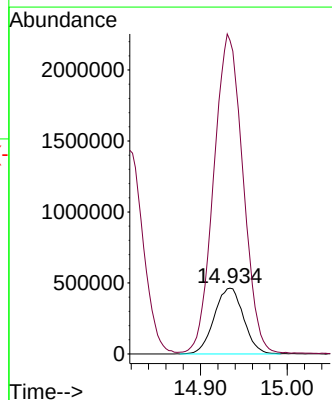
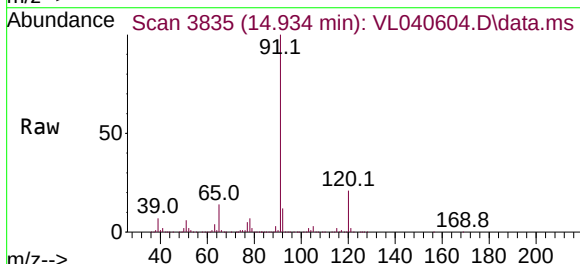
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

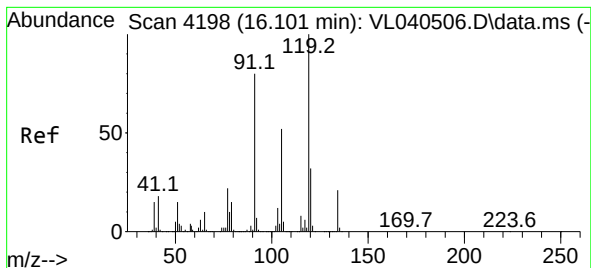
Tgt Ion: 83 Resp: 2089568
Ion Ratio Lower Upper
83 100
131 8.9 4.6 13.8
85 65.0 32.8 98.3



#64
n-propylbenzene
Concen: 11.510 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion:120 Resp: 1085765
Ion Ratio Lower Upper
120 100
91 489.6 374.3 561.5

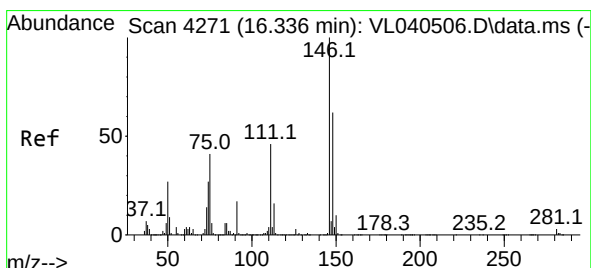
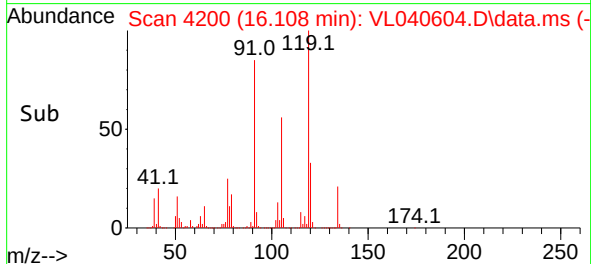
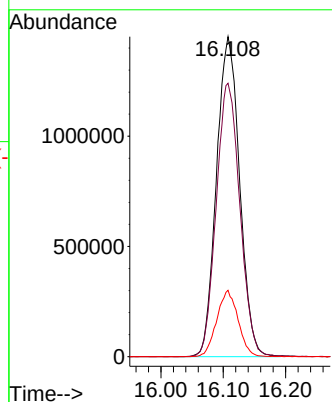
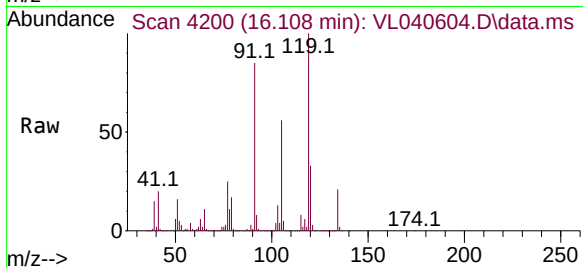




#65
tert-Butylbenzene
Concen: 11.588 ppbv
RT: 16.108 min Scan# 4198
Delta R.T. 0.006 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

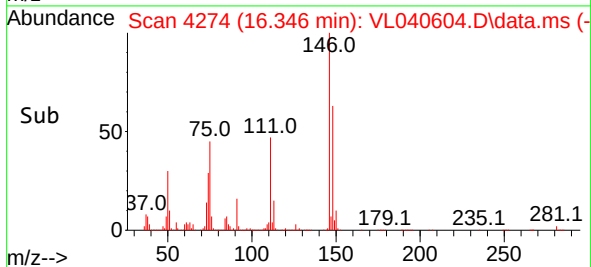
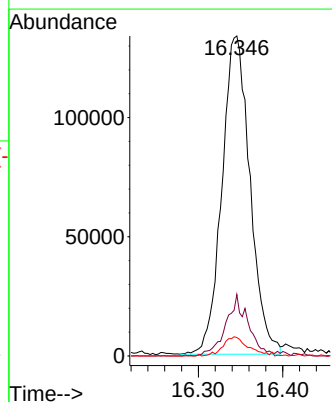
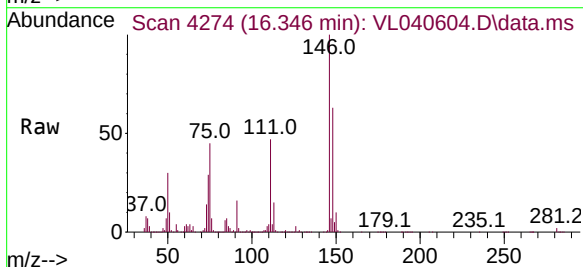
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

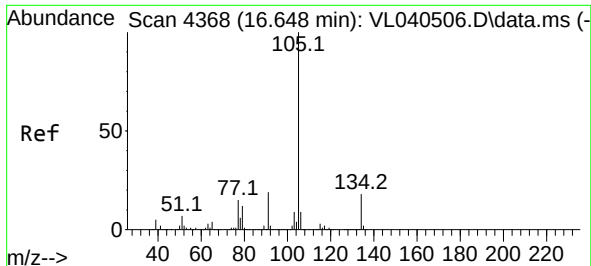
Tgt Ion:119 Resp: 3740472
Ion Ratio Lower Upper
119 100
91 87.5 66.1 99.1
134 19.1 15.7 23.5



#66
Benzyl Chloride
Concen: 13.499 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.009 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 91 Resp: 308237
Ion Ratio Lower Upper
91 100
126 16.1 15.4 23.2
128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 11.403 ppbv

RT: 16.651 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

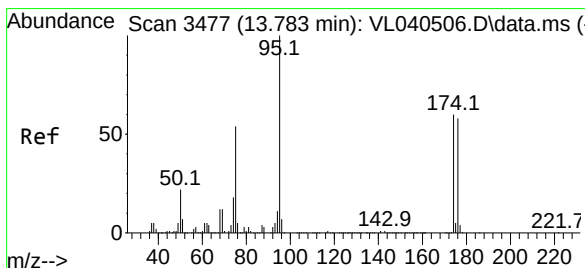
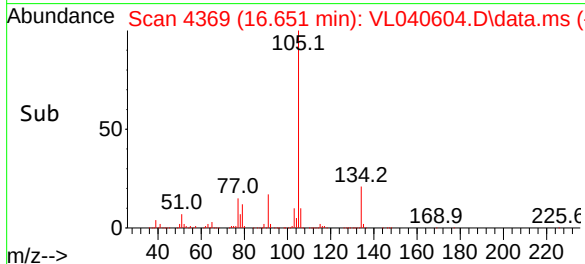
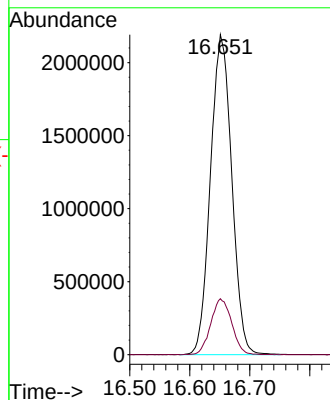
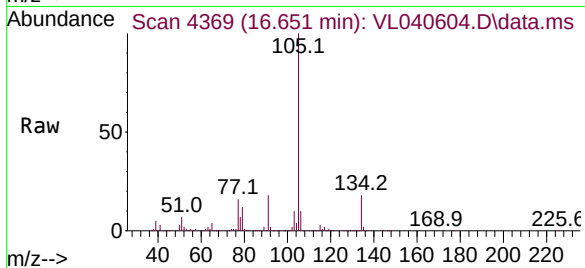
VSTDCCC010

Tgt Ion:105 Resp: 5408246

Ion Ratio Lower Upper

105 100

134 17.2 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 11.457 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. 0.009 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

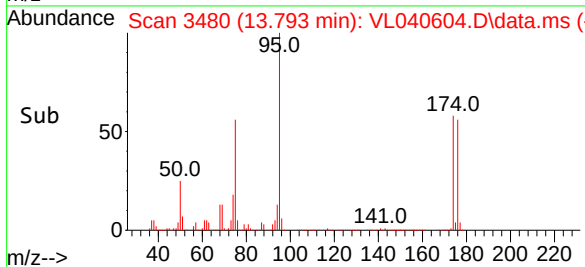
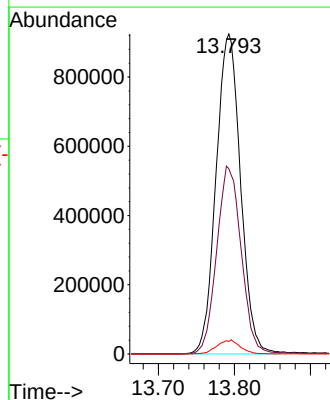
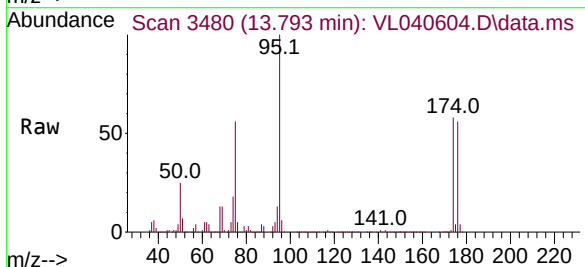
Tgt Ion: 95 Resp: 2067161

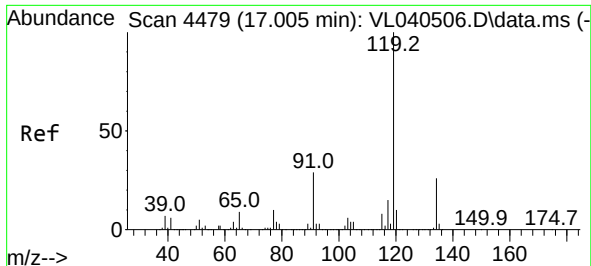
Ion Ratio Lower Upper

95 100

174 59.3 50.6 75.8

175 4.2 3.7 5.5

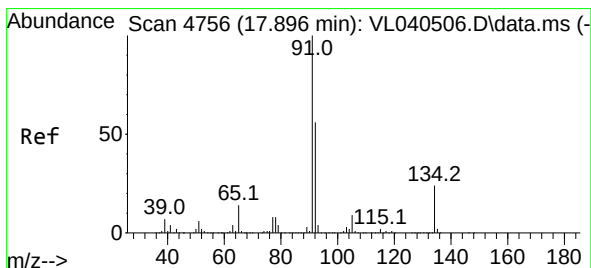
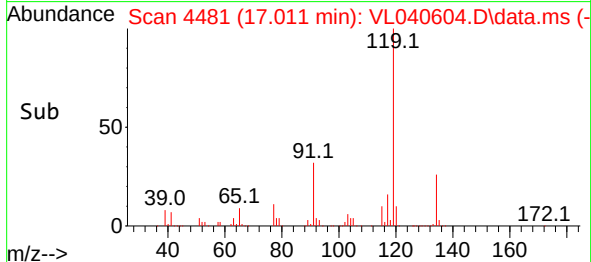
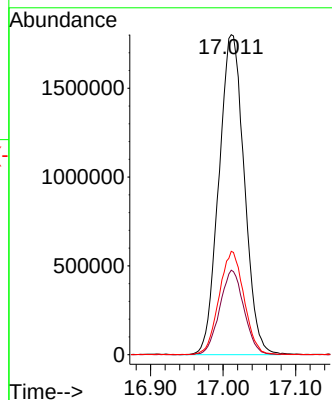
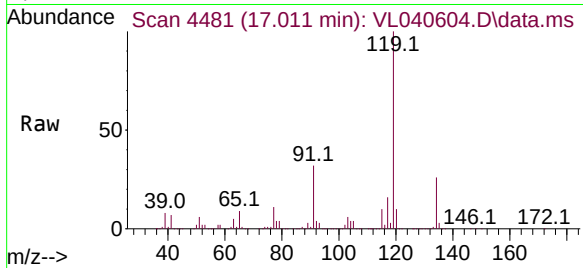




#69
p-Isopropyltoluene
Concen: 11.171 ppbv
RT: 17.011 min Scan# 4479
Delta R.T. 0.006 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

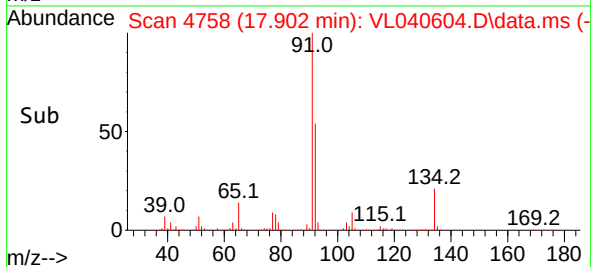
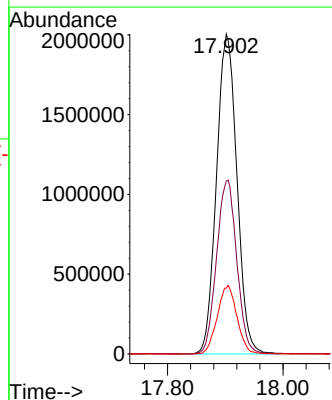
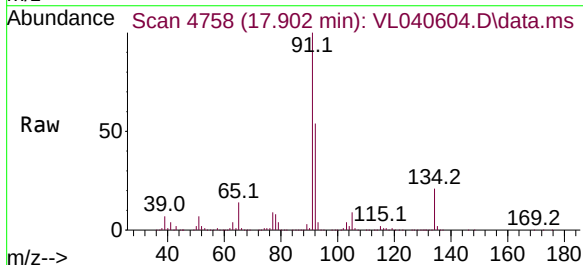
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

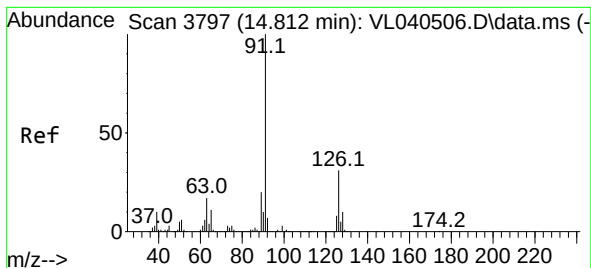
Tgt Ion:119 Resp: 4378238
Ion Ratio Lower Upper
119 100
134 25.3 20.5 30.7
91 31.7 23.8 35.8



#70
n-Butylbenzene
Concen: 11.254 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. 0.006 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 91 Resp: 4918756
Ion Ratio Lower Upper
91 100
92 53.9 43.4 65.0
134 20.7 18.1 27.1

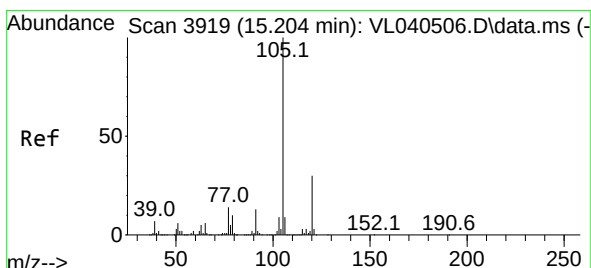
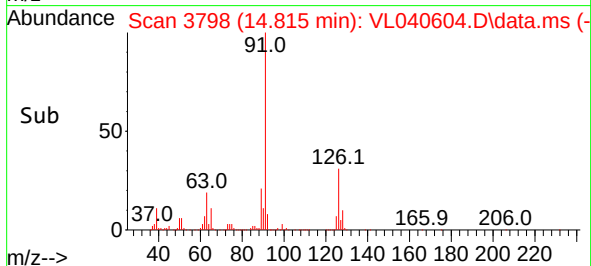
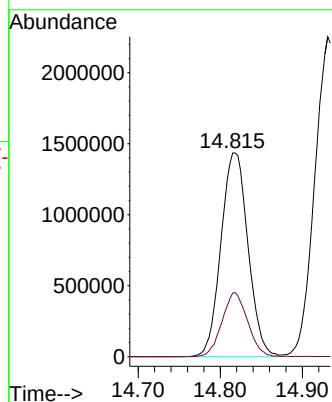
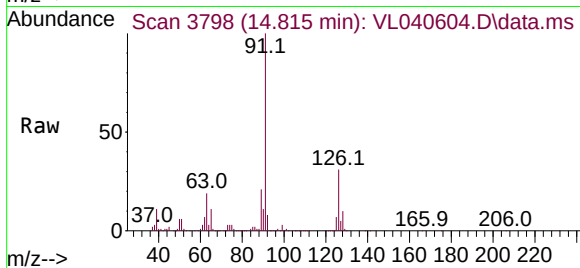




#71
2-Chlorotoluene
Concen: 11.705 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

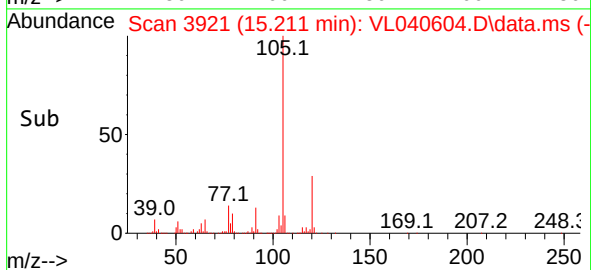
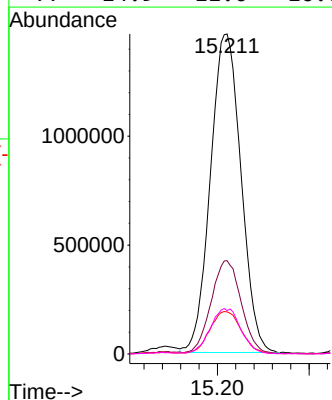
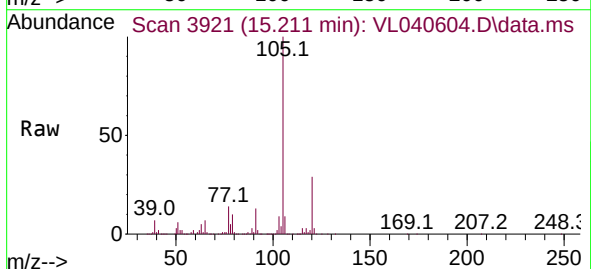
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

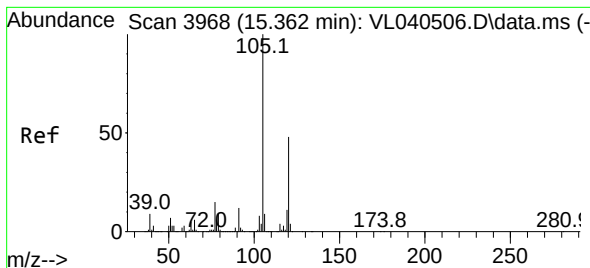
Tgt Ion: 91 Resp: 3289078
Ion Ratio Lower Upper
91 100
126 29.8 12.4 49.8



#72
4-Ethyltoluene
Concen: 11.868 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.006 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion: 105 Resp: 3384197
Ion Ratio Lower Upper
105 100
120 29.8 24.6 37.0
91 13.7 10.7 16.1
77 14.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 11.712 ppbv

RT: 15.368 min Scan# 3968

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

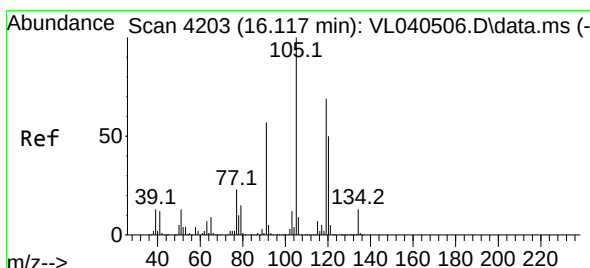
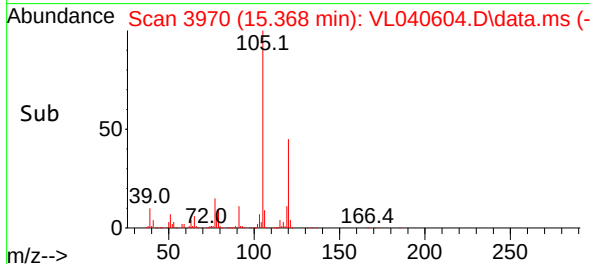
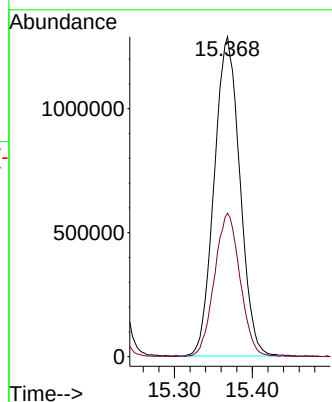
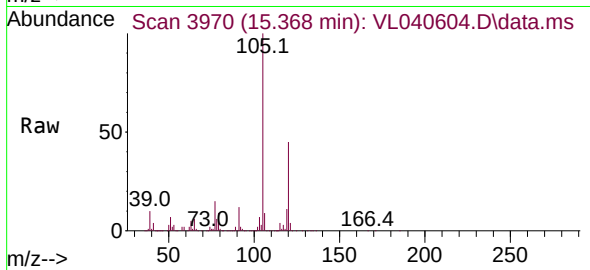
VSTDCCC010

Tgt Ion:105 Resp: 2943868

Ion Ratio Lower Upper

105 100

120 44.8 38.2 57.2



#74

1,2,4-Trimethylbenzene

Concen: 11.550 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Tgt Ion:105 Resp: 3384705

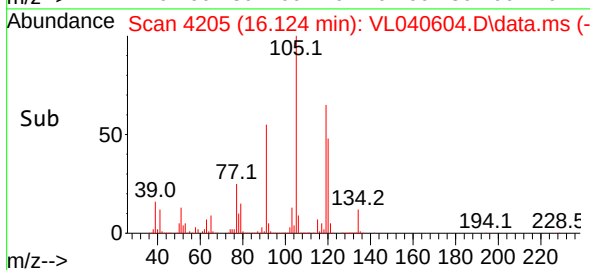
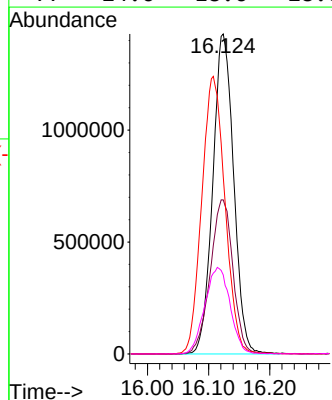
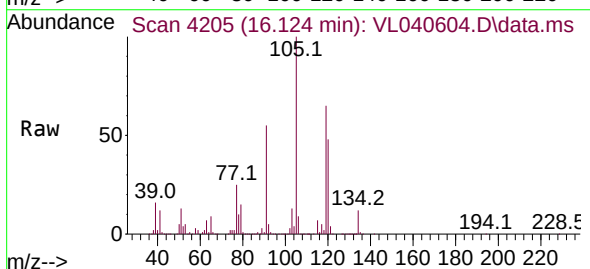
Ion Ratio Lower Upper

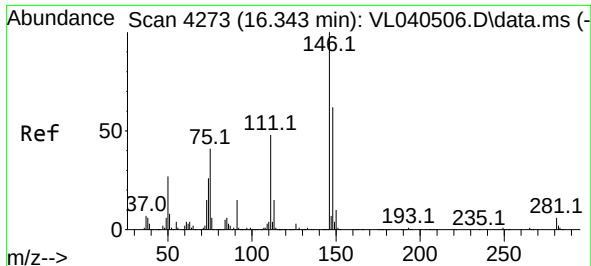
105 100

120 48.1 40.3 60.5

91 55.3 46.8 70.2

77 24.6 18.6 28.0

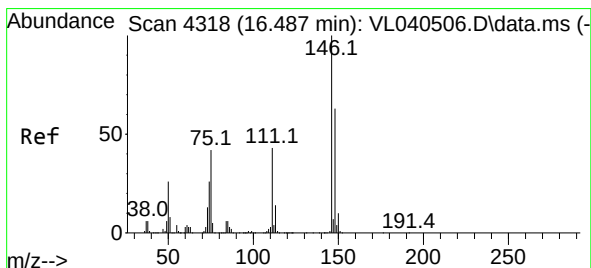
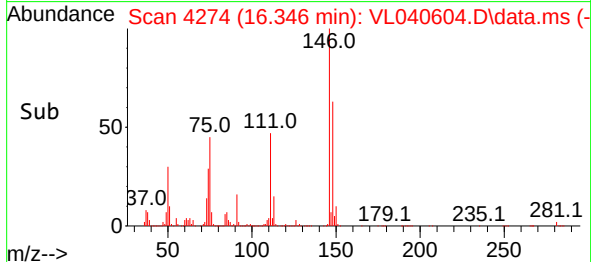
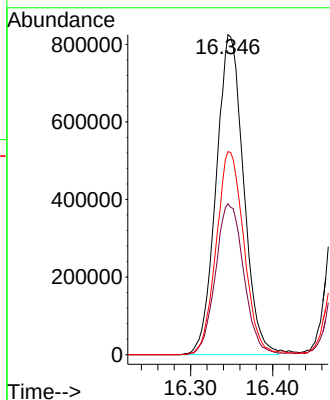
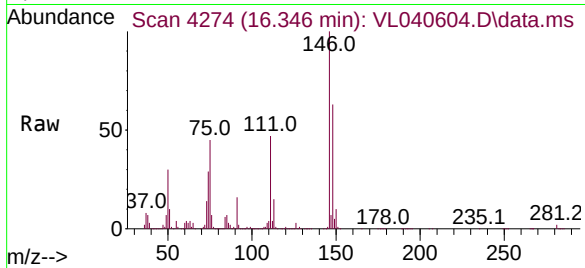




#75
1,3-Dichlorobenzene
Concen: 10.773 ppbv
RT: 16.346 min Scan# 4273
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

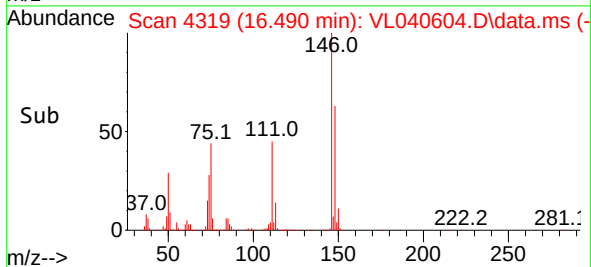
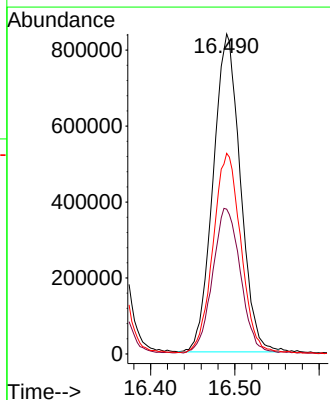
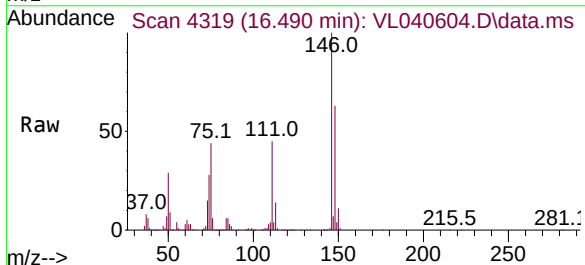
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

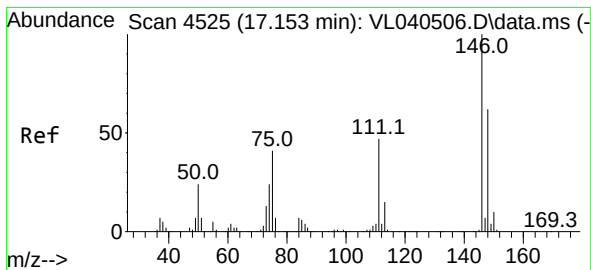
Tgt Ion:146 Resp: 1914100
Ion Ratio Lower Upper
146 100
111 48.8 23.6 71.0
148 64.5 32.2 96.6



#76
1,4-Dichlorobenzene
Concen: 10.780 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.003 min
Lab File: VL040604.D
Acq: 9 Aug 2023 13:38

Tgt Ion:146 Resp: 1878015
Ion Ratio Lower Upper
146 100
111 47.6 22.8 68.3
148 65.2 32.6 97.8





#77

1,2-Dichlorobenzene

Concen: 10.880 ppbv

RT: 17.159 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

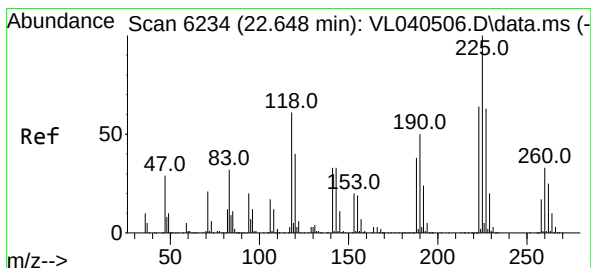
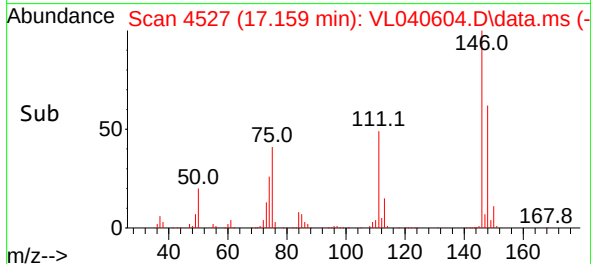
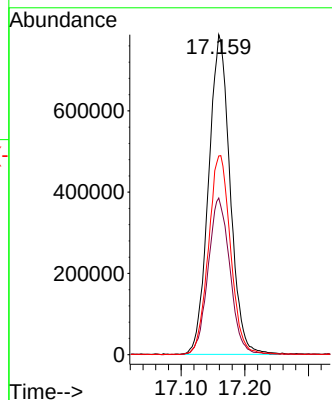
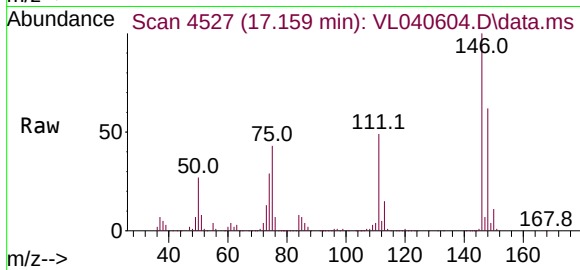
Tgt Ion:146 Resp: 1848434

Ion Ratio Lower Upper

146 100

111 50.0 24.3 72.8

148 64.0 32.1 96.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.145 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

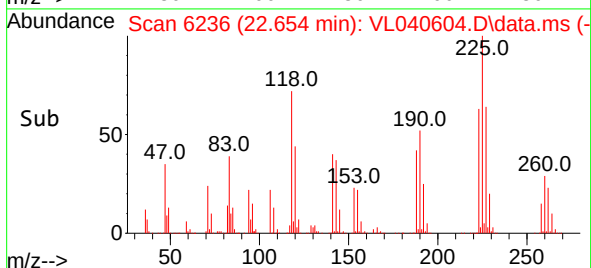
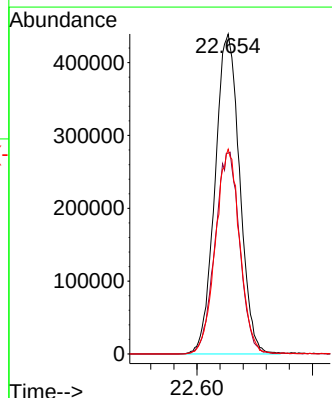
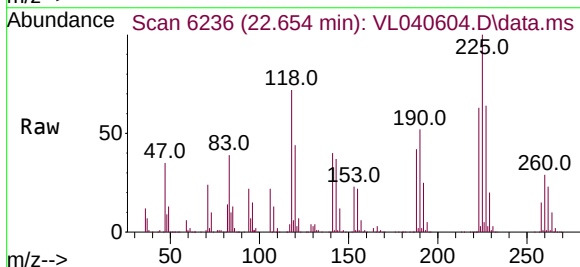
Tgt Ion:225 Resp: 1299517

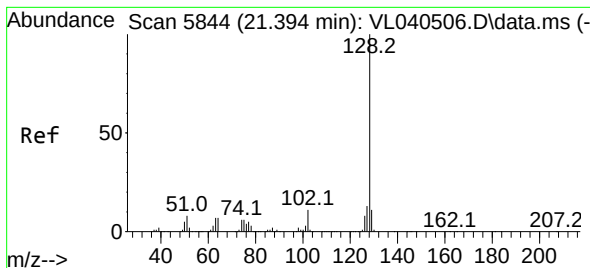
Ion Ratio Lower Upper

225 100

223 63.4 50.3 75.5

227 63.2 51.0 76.6





#79

Naphthalene

Concen: 10.774 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.006 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

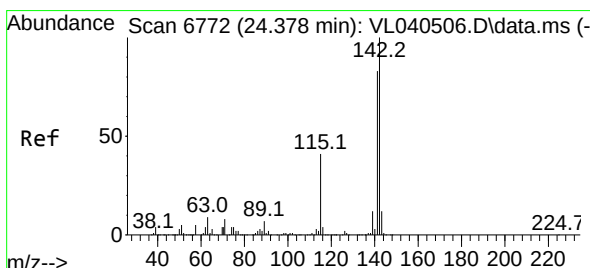
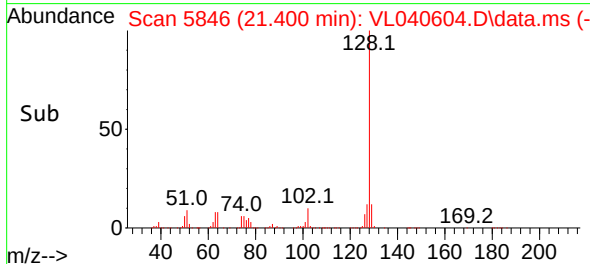
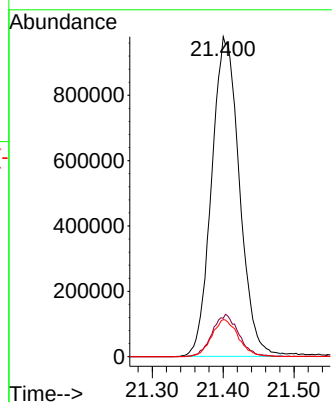
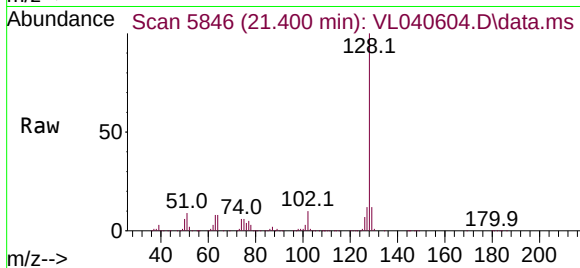
Tgt Ion:128 Resp: 2671302

Ion Ratio Lower Upper

128 100

127 11.9 10.7 16.1

129 11.6 9.2 13.8



#80

Naphthalene,2-methyl-

Concen: 7.635 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. 0.009 min

Lab File: VL040604.D

Acq: 9 Aug 2023 13:38

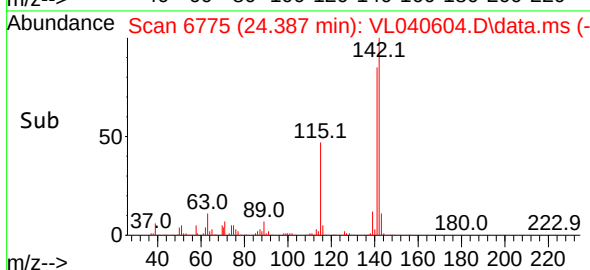
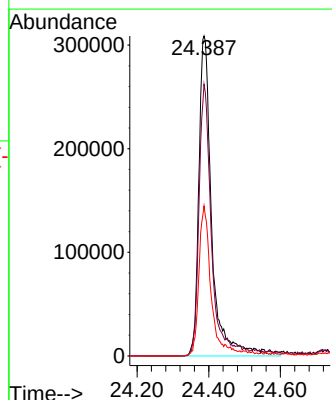
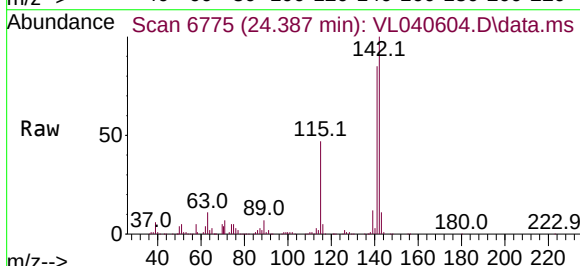
Tgt Ion:142 Resp: 780600

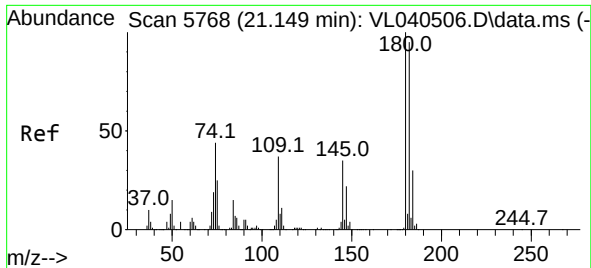
Ion Ratio Lower Upper

142 100

141 81.1 66.7 100.1

115 43.7 33.0 49.6





#81

1,2,4-Trichlorobenzene

Concen: 9.133 ppbv

RT: 21.159 min Scan# 51

Delta R.T. 0.009 min

Lab File: VL040604.D

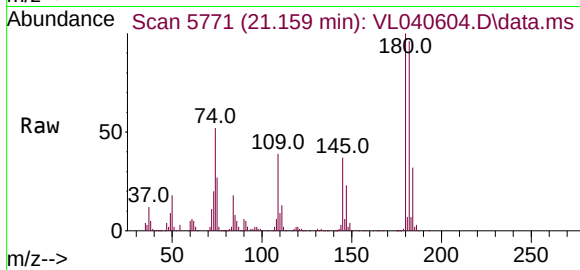
Acq: 9 Aug 2023 13:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1560631

Ion Ratio Lower Upper

180 100

182 96.4 77.5 116.3

184 31.2 24.5 36.7

