

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041068.D
 Acq On : 15 Feb 2024 12:49
 Operator : SY/MD
 Sample : VL0215ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

Quant Time: Feb 16 04:07:26 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Feb 16 04:05:22 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1215688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3153913	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3264871	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.761	95	2343701	9.504	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	2484140	9.252	ppbv	97
3) Chlorodifluoromethane	2.658	51	1918571	9.383	ppbv	99
4) Chloromethane	2.796	50	728923	9.511	ppbv	99
5) Vinyl Chloride	2.903	62	764826	10.178	ppbv	100
6) Bromomethane	3.102	94	318283	9.728	ppbv	98
7) Chloroethane	3.179	64	279356	10.325	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	1848139	9.214	ppbv	98
9) Propene	2.677	41	667908	9.958	ppbv	95
10) Heptane	7.565	43	1651673	10.006	ppbv	99
11) Trichlorofluoromethane	3.546	101	1970994	9.110	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1411038	8.999	ppbv	99
13) Ethanol	3.224	45	143715	8.991	ppbv	97
14) Bromoethene	3.349	108	589035	9.784	ppbv	99
15) Acetone	3.452	43	1368136	8.800	ppbv	99
16) 1,3-Butadiene	2.967	39	706574	9.501	ppbv	97
17) tert-Butyl alcohol	3.861	59	1268070	9.945	ppbv	100
18) 1,1-Dichloroethene	3.864	96	622782	9.277	ppbv	98
19) Isopropyl Alcohol	3.558	45	926958	10.301	ppbv #	98
20) Methylene Chloride	3.919	84	531898	8.891	ppbv	92
21) Allyl Chloride	3.980	41	904772	9.579	ppbv	98
22) trans-1,2-Dichloroethene	4.430	96	656041	9.491	ppbv	97
23) Vinyl Acetate	4.613	43	1498366	9.350	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1325380	9.323	ppbv	99
25) Ethyl Acetate	5.189	43	2823360	10.016	ppbv	100
26) Hexane	5.198	57	1231676	10.251	ppbv	97
27) Carbon Disulfide	4.108	76	1567395	10.024	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	921863	9.244	ppbv	99
29) Chloroform	5.263	83	2067377	9.701	ppbv	99
30) Cyclohexane	6.587	84	1030802	10.239	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1236450	10.964	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	2028559	9.959	ppbv	99
34) 2-Butanone	4.771	43	1617567	10.765	ppbv	99
35) Carbon Tetrachloride	6.481	117	2167788	10.307	ppbv	100
36) Benzene	6.356	78	2622966	10.070	ppbv	97
37) 1,2-Dichloroethane	5.793	62	1542079	9.701	ppbv	100
38) Trichloroethene	7.279	130	1024736	9.813	ppbv	99
39) 1,2-Dichloropropane	7.057	63	1017431	9.915	ppbv	98
40) 1,4-Dioxane	7.272	88	436381	10.239	ppbv	96
41) Tetrahydrofuran	5.542	42	1069737	10.485	ppbv	99
42) Bromodichloromethane	7.237	83	2274166	9.999	ppbv	98
43) Methyl Methacrylate	7.462	69	1084156	10.786	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	4337476	9.896	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	871096	12.684	ppbv	98

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

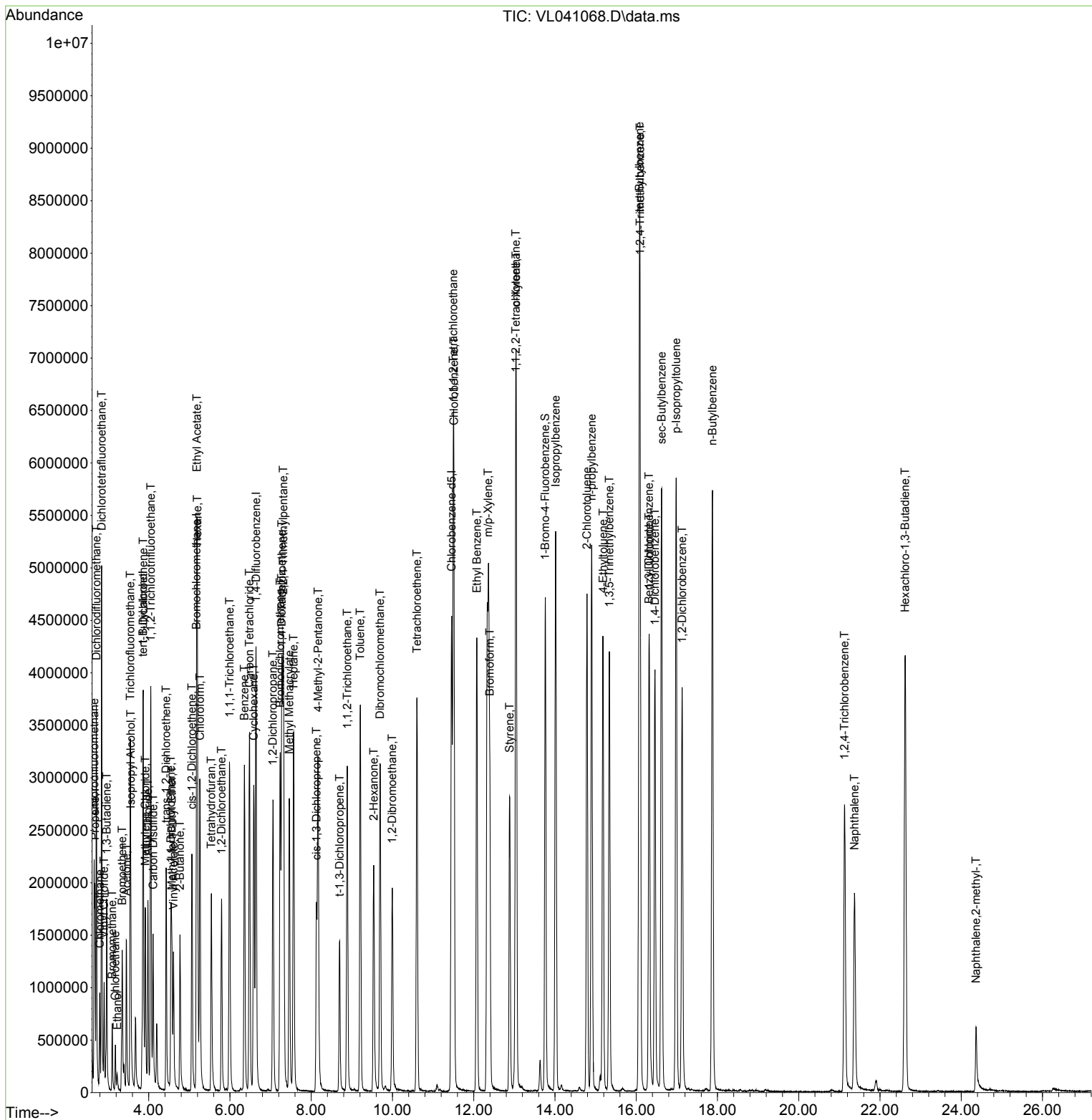
Instrument :
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 ClientSampleId :
 VL0215ABS01

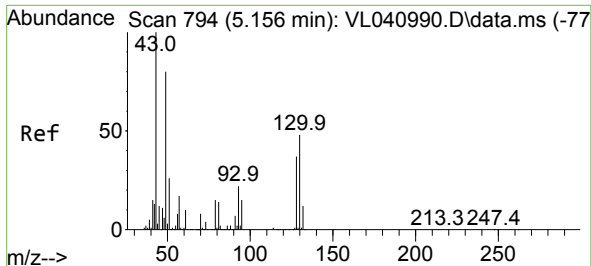
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Feb 16 04:05:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1032333	12.053	ppbv	96
47) 1,1,2-Trichloroethane	8.889	97	1113411	10.067	ppbv	97
48) Dibromochloromethane	9.696	129	1947172	10.413	ppbv	100
49) Bromoform	12.394	173	1599128	10.902	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	2737109	10.344	ppbv	100
51) 2-Hexanone	9.539	43	2002304	10.498	ppbv	98
52) Tetrachloroethene	10.603	164	895307	10.350	ppbv	98
53) Toluene	9.208	91	3000082	10.514	ppbv	99
54) 1,2-Dibromoethane	9.996	107	1611642	10.759	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1422924	9.084	ppbv	96
57) Chlorobenzene	11.513	112	2343542	8.924	ppbv	99
58) Ethyl Benzene	12.076	91	4101805	9.356	ppbv	99
59) m/p-Xylene	12.356	91	4006907	10.482	ppbv #	48
60) o-Xylene	13.044	91	3340185	9.107	ppbv	99
61) Styrene	12.886	104	1732766	10.289	ppbv	99
62) Isopropylbenzene	14.018	105	4846298	8.935	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	2467446	8.657	ppbv	100
64) n-propylbenzene	14.902	120	1273672	9.295	ppbv	96
65) tert-Butylbenzene	16.079	119	4263699	8.997	ppbv	99
66) Benzyl Chloride	16.314	91	311068	10.017	ppbv	99
67) sec-Butylbenzene	16.625	105	6027327	8.735	ppbv	99
69) p-Isopropyltoluene	16.982	119	4874466	9.120	ppbv	100
70) n-Butylbenzene	17.876	91	5189041	8.984	ppbv	100
71) 2-Chlorotoluene	14.790	91	3777595	9.027	ppbv	99
72) 4-Ethyltoluene	15.182	105	3850434	9.400	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	3350936	9.218	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	3639453	8.832	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	2094467	8.931	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	2071142	8.950	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	2041351	8.757	ppbv	98
78) Hexachloro-1,3-Butadiene	22.619	225	1171925	7.796	ppbv	100
79) Naphthalene	21.374	128	2530359	10.764	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	510000	12.352	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1251761	9.126	ppbv	99

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

Quant Time: Feb 16 04:07:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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QLast Update : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

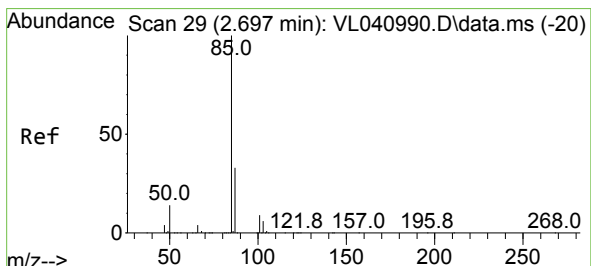
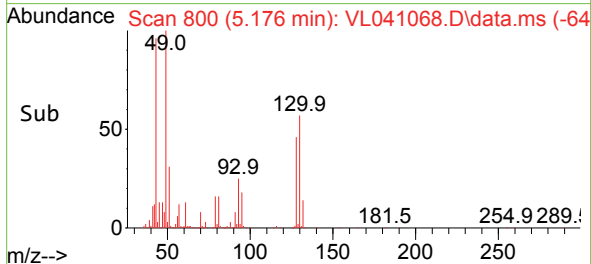
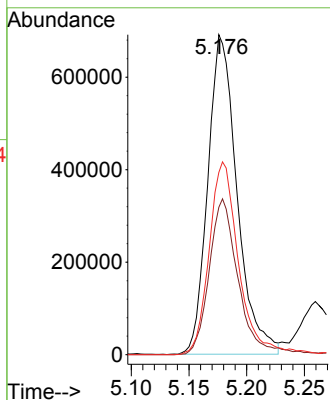
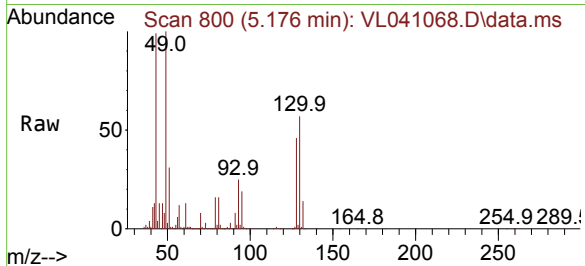




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

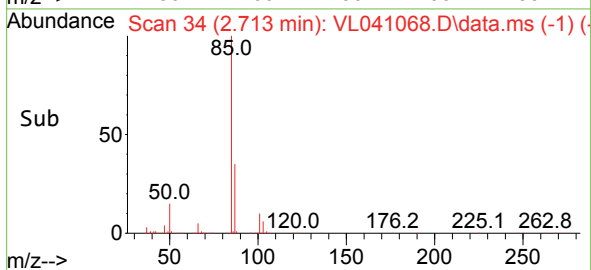
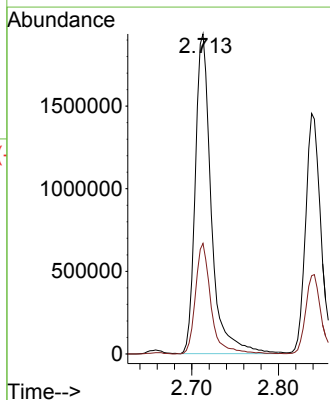
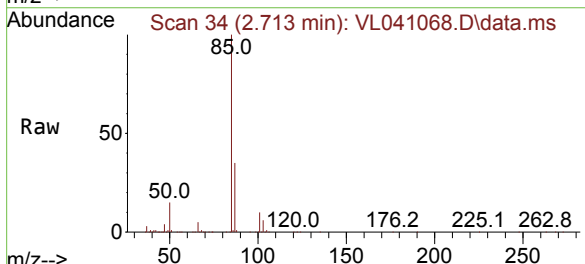
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

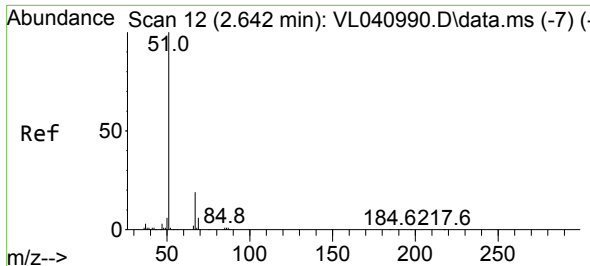
Tgt Ion: 49 Resp: 1215688
Ion Ratio Lower Upper
49 100
128 49.0 23.9 71.7
130 62.0 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 9.252 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 85 Resp: 2484140
Ion Ratio Lower Upper
85 100
87 34.5 26.3 39.5

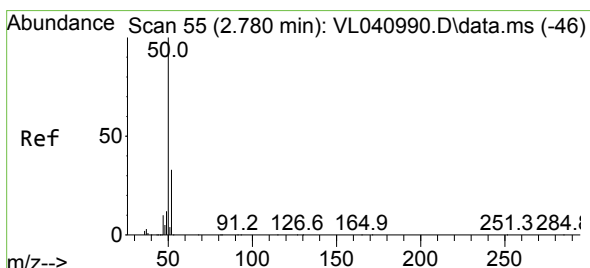
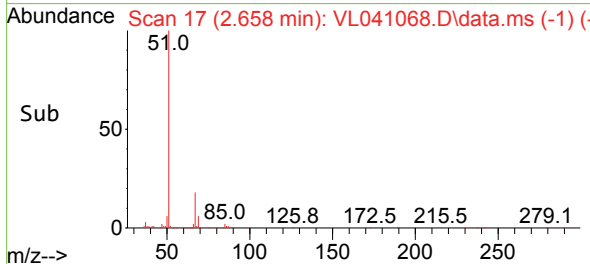
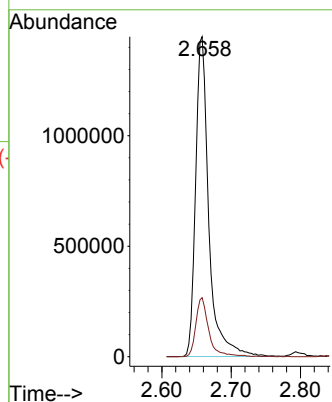
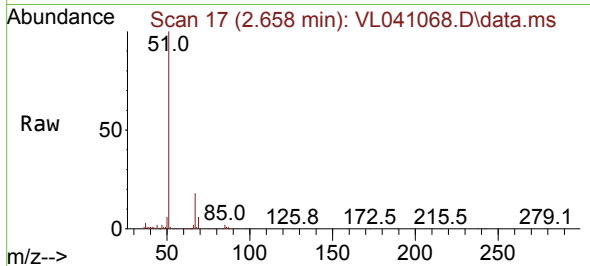




#3
Chlorodifluoromethane
Concen: 9.383 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

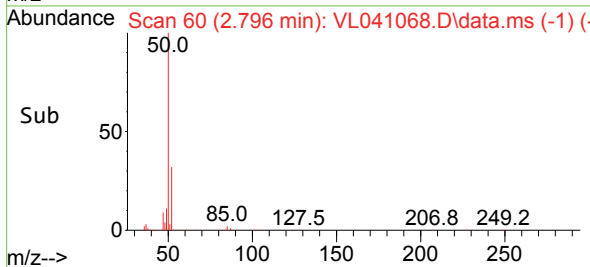
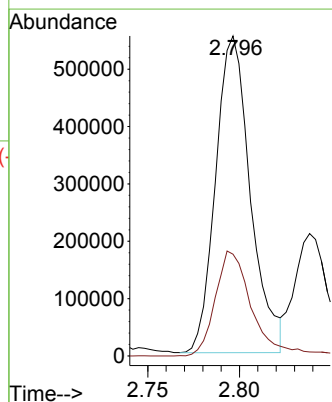
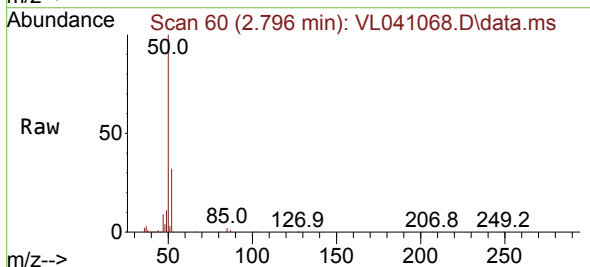
Instrument :
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ClientSampleId :
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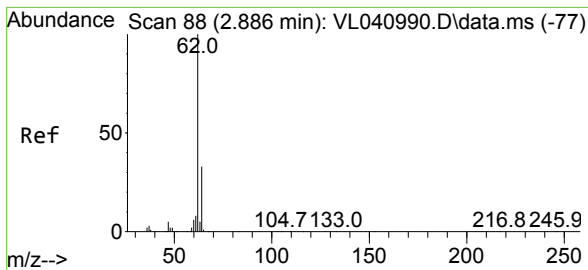
Tgt Ion: 51 Resp: 1918571
Ion Ratio Lower Upper
51 100
67 18.2 14.8 22.2



#4
Chloromethane
Concen: 9.511 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 50 Resp: 728923
Ion Ratio Lower Upper
50 100
52 32.1 26.2 39.4

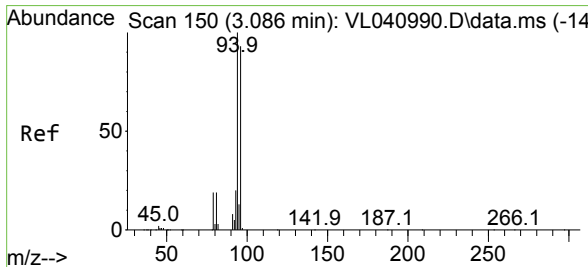
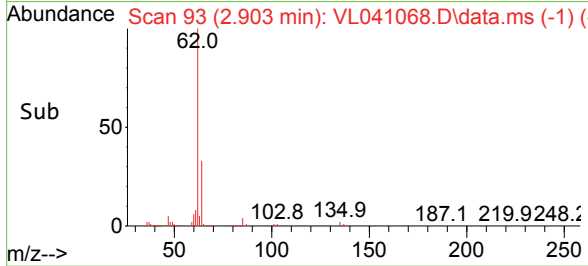
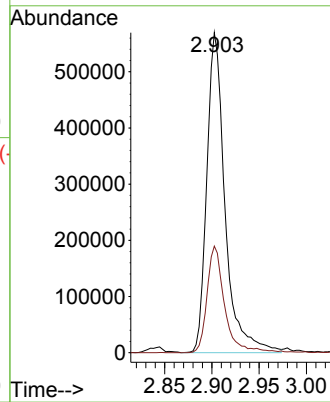
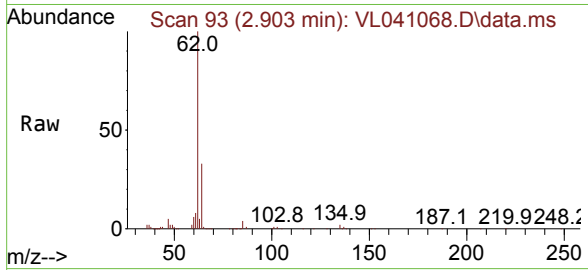




#5
 Vinyl Chloride
 Concen: 10.178 ppbv
 RT: 2.903 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

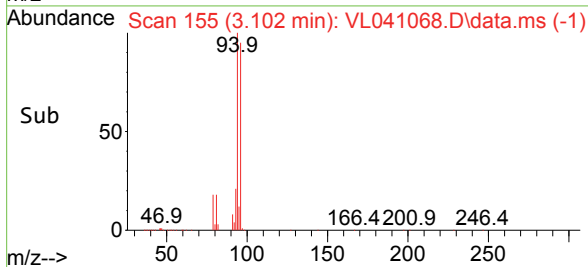
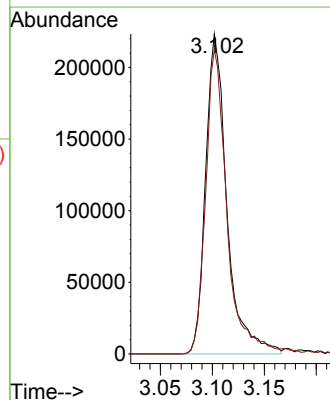
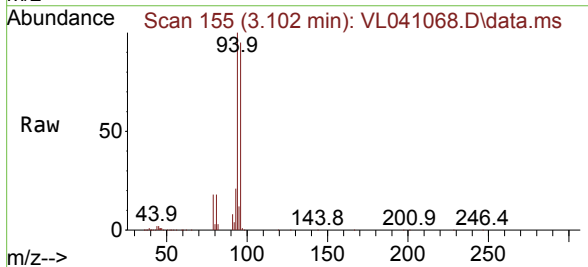
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

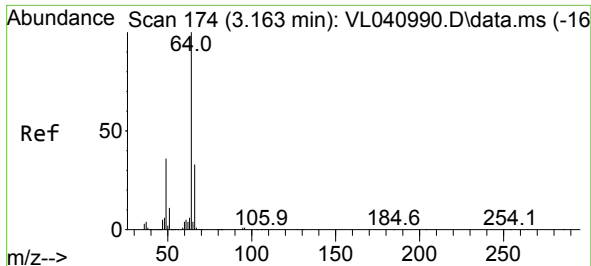
Tgt Ion: 62 Resp: 764826
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.6 40.0



#6
 Bromomethane
 Concen: 9.728 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion: 94 Resp: 318283
 Ion Ratio Lower Upper
 94 100
 96 95.0 74.2 111.4

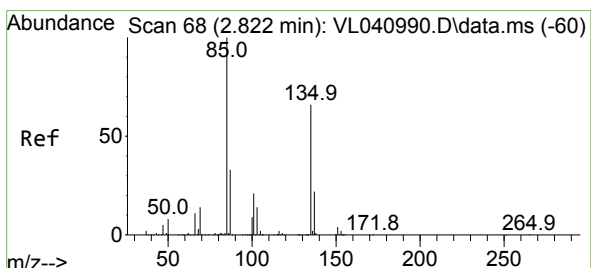
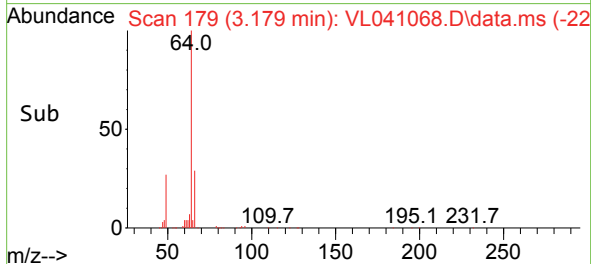
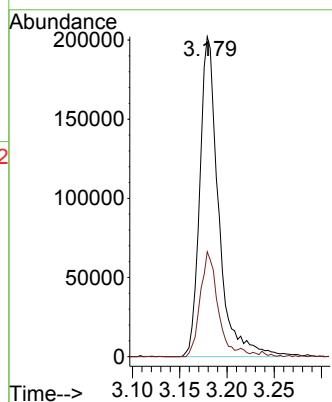
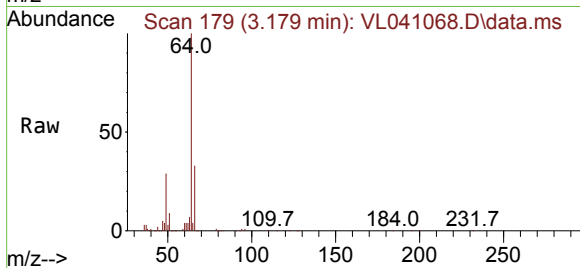




#7
Chloroethane
Concen: 10.325 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

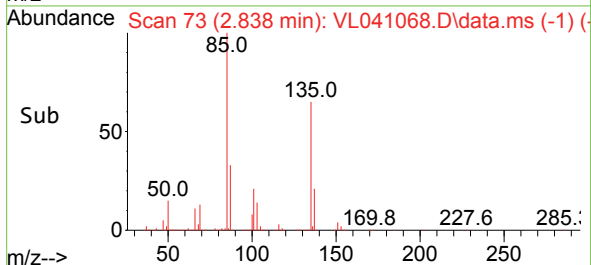
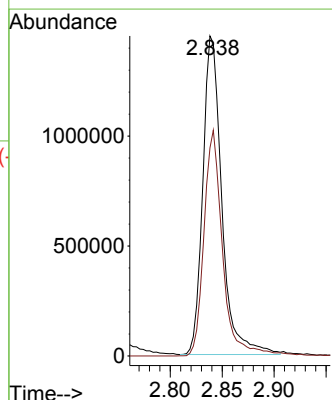
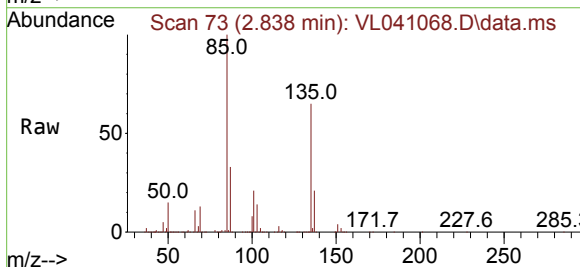
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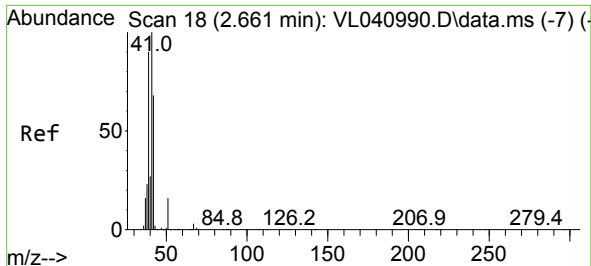
Tgt Ion: 64 Resp: 279356
Ion Ratio Lower Upper
64 100
66 32.8 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.214 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 85 Resp: 1848139
Ion Ratio Lower Upper
85 100
135 70.0 55.0 82.6

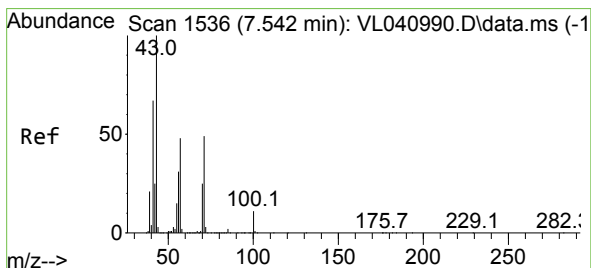
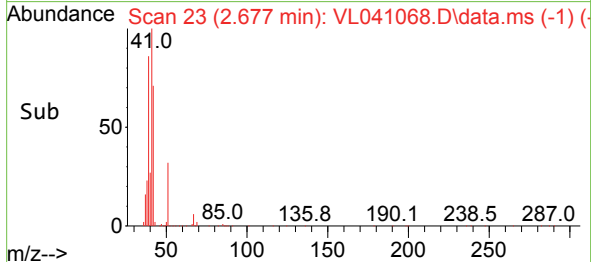
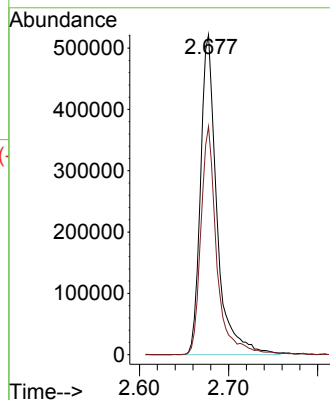
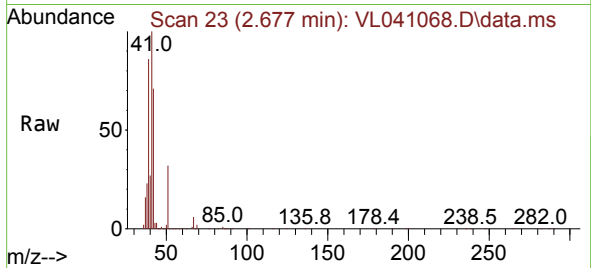




#9
Propene
Concen: 9.958 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

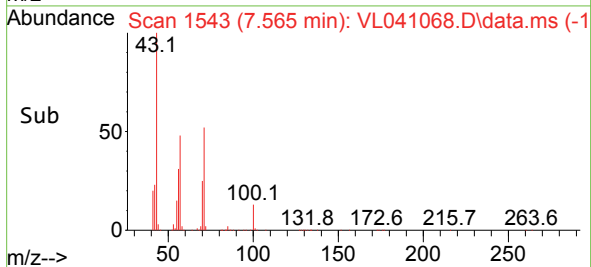
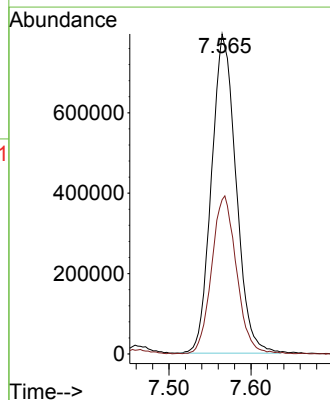
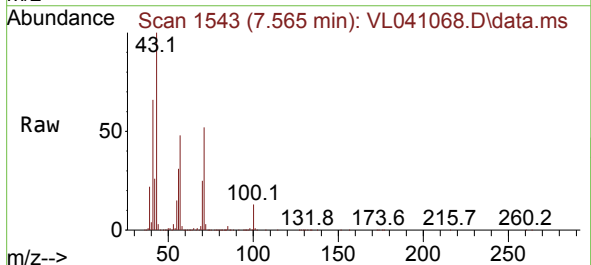
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

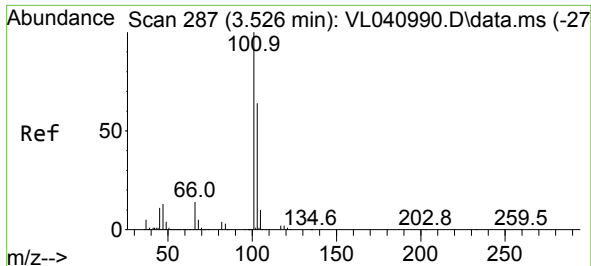
Tgt Ion: 41 Resp: 667908
Ion Ratio Lower Upper
41 100
42 69.7 59.0 88.4



#10
Heptane
Concen: 10.006 ppbv
RT: 7.565 min Scan# 1543
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 43 Resp: 1651673
Ion Ratio Lower Upper
43 100
57 50.3 39.4 59.2

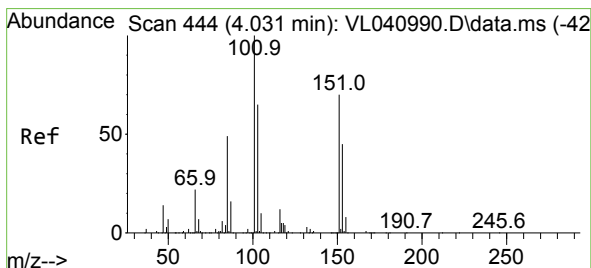
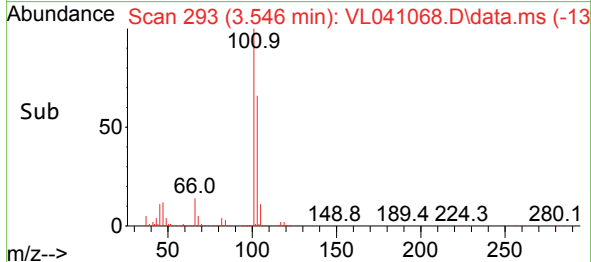
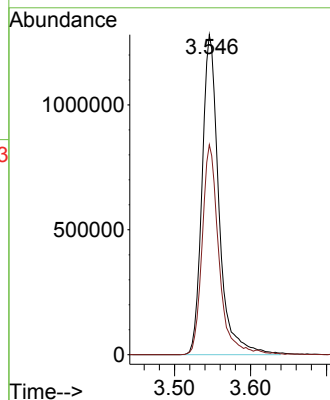
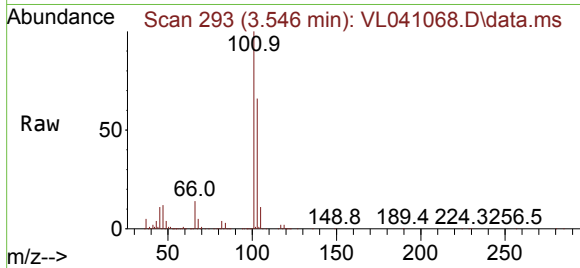




#11
 Trichlorofluoromethane
 Concen: 9.110 ppbv
 RT: 3.546 min Scan# 293
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

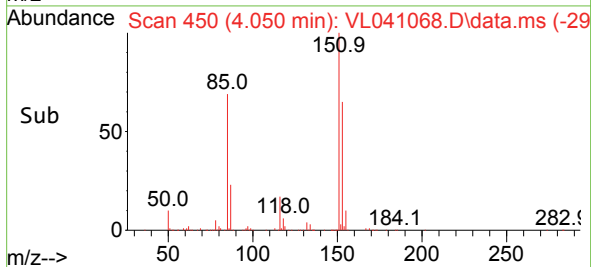
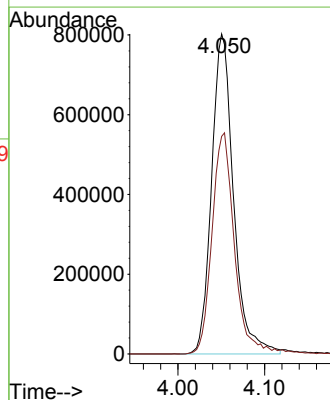
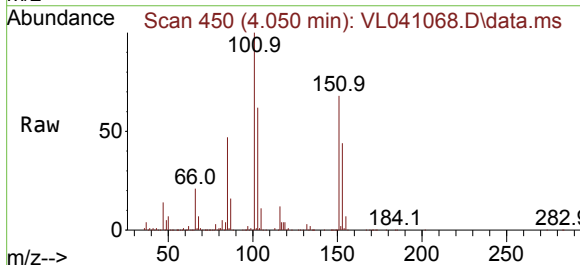
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

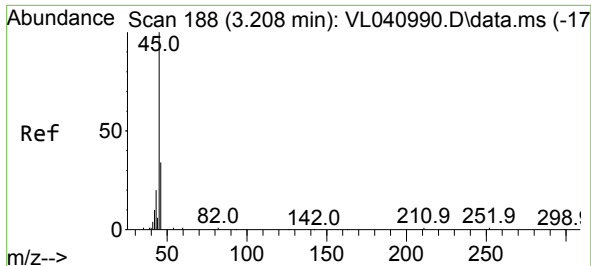
Tgt Ion:101 Resp: 1970994
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.999 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion:101 Resp: 1411038
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.6 85.0

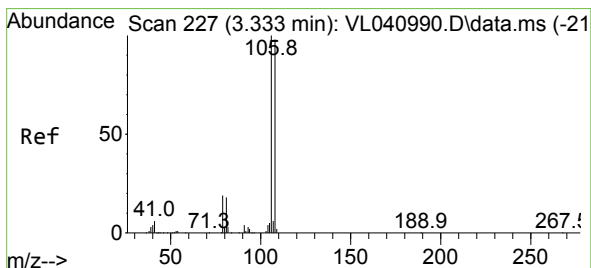
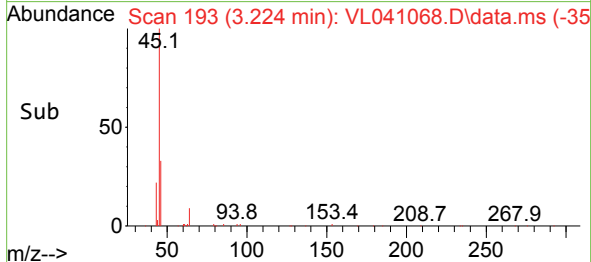
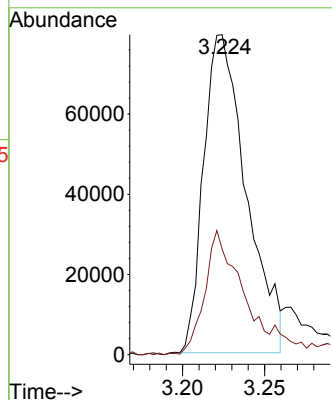
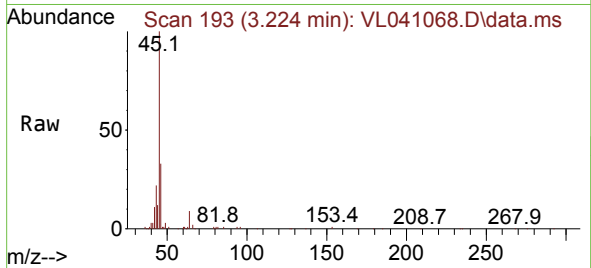




#13
Ethanol
Concen: 8.991 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

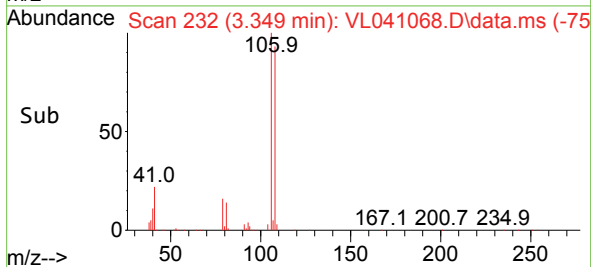
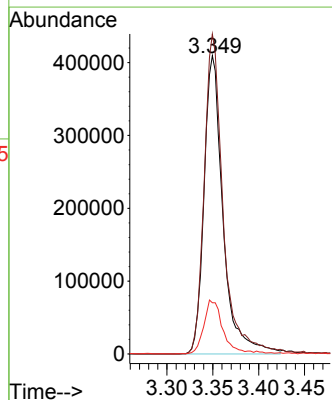
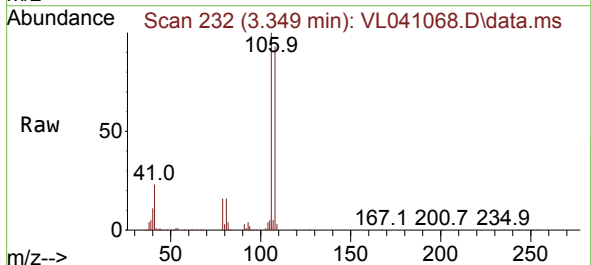
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

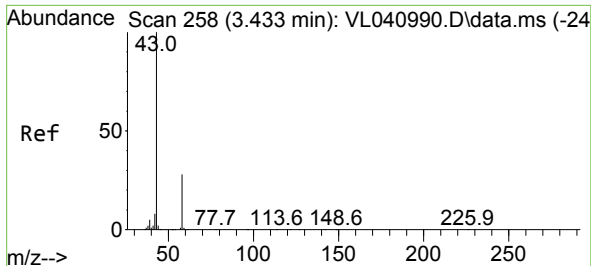
Tgt Ion: 45 Resp: 143715
Ion Ratio Lower Upper
45 100
46 38.6 16.2 64.8



#14
Bromoethene
Concen: 9.784 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 108 Resp: 589035
Ion Ratio Lower Upper
108 100
106 108.2 86.4 129.6
79 19.1 16.2 24.4

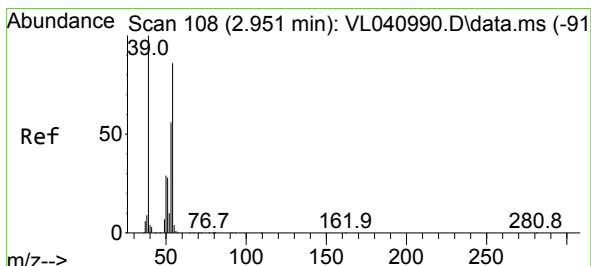
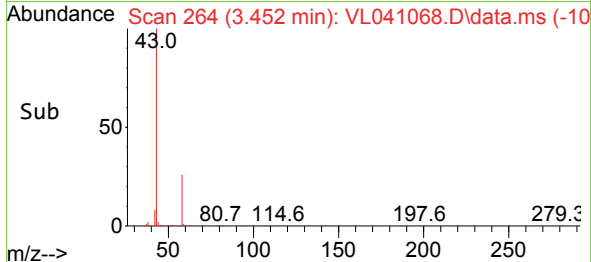
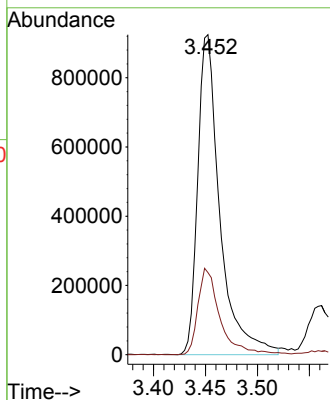
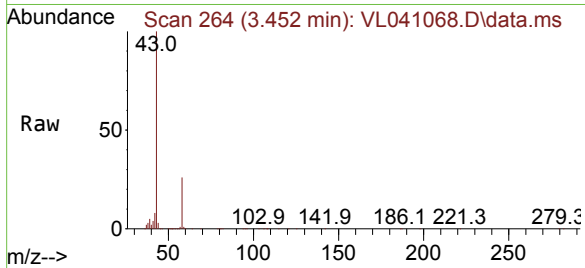




#15
Acetone
Concen: 8.800 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

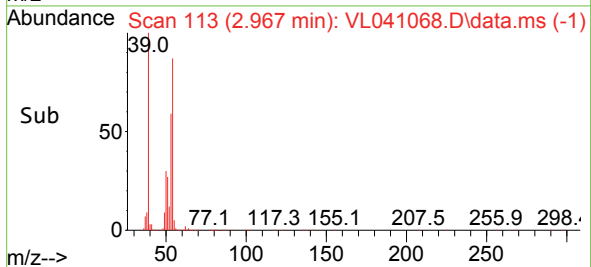
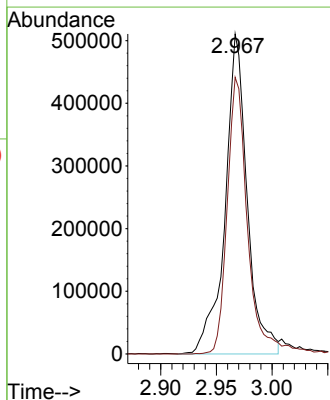
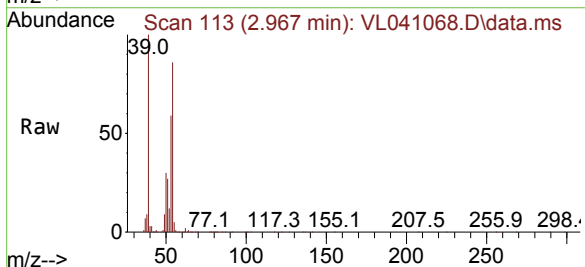
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

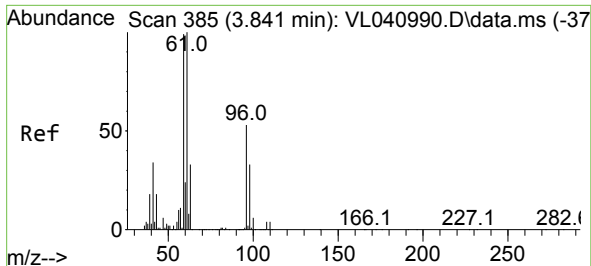
Tgt Ion: 43 Resp: 1368136
Ion Ratio Lower Upper
43 100
58 27.0 22.2 33.2



#16
1,3-Butadiene
Concen: 9.501 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 39 Resp: 706574
Ion Ratio Lower Upper
39 100
54 80.9 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.945 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

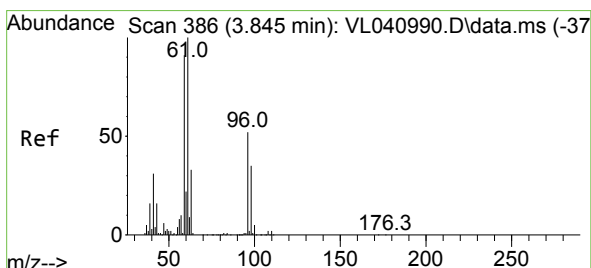
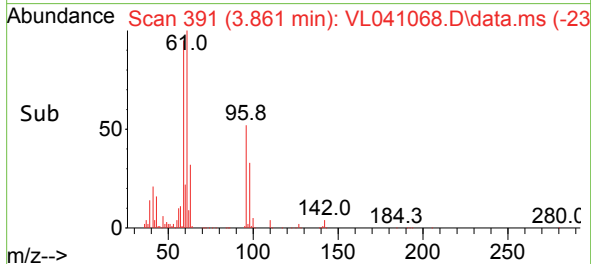
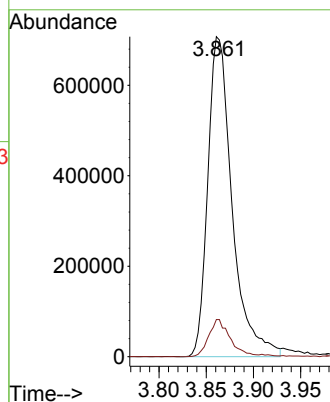
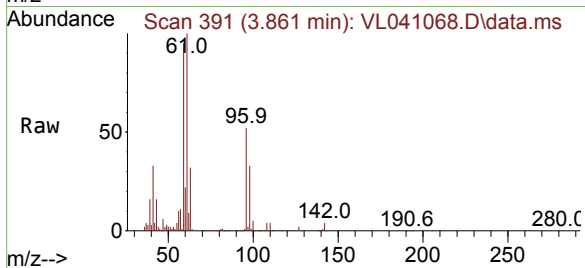
VL0215ABS01

Tgt Ion: 59 Resp: 1268070

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.277 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.006 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

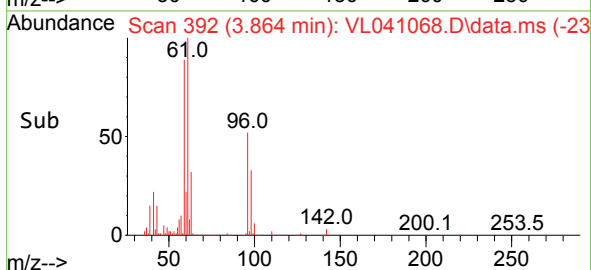
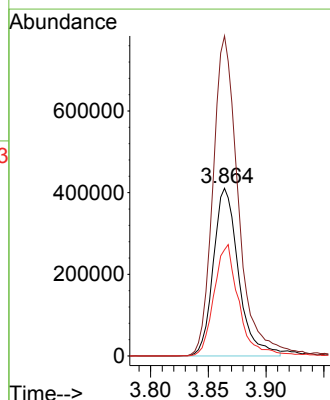
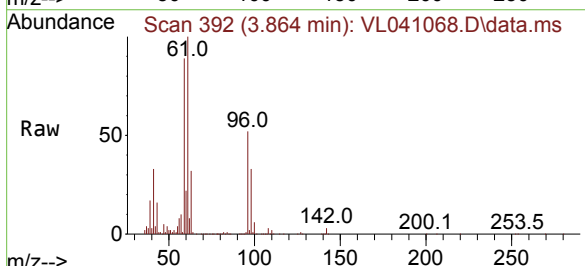
Tgt Ion: 96 Resp: 622782

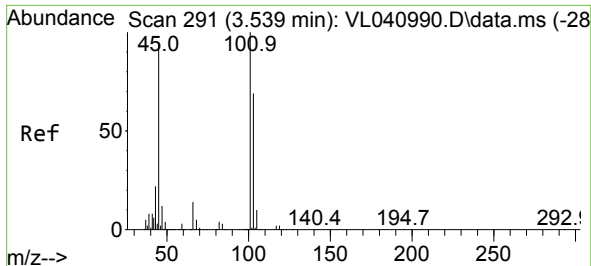
Ion Ratio Lower Upper

96 100

61 190.8 153.8 230.8

98 63.4 53.7 80.5





#19

Isopropyl Alcohol

Concen: 10.301 ppbv

RT: 3.558 min Scan# 291

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

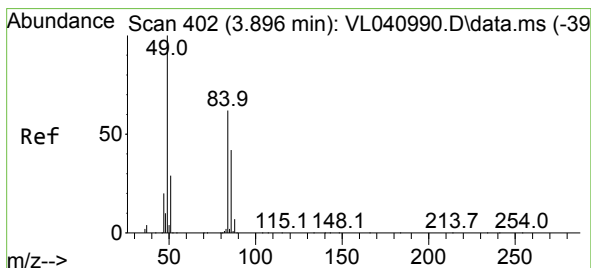
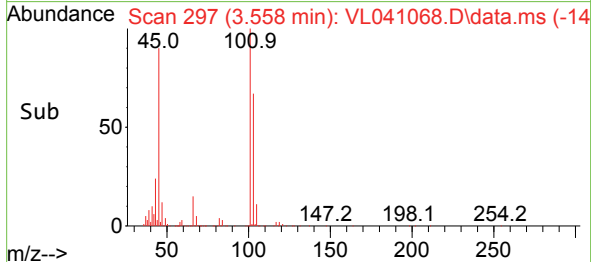
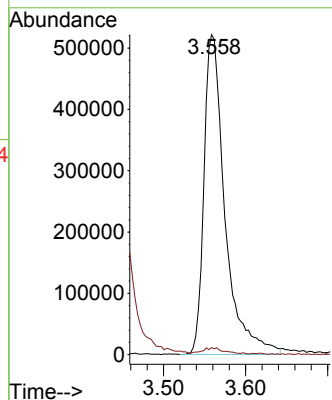
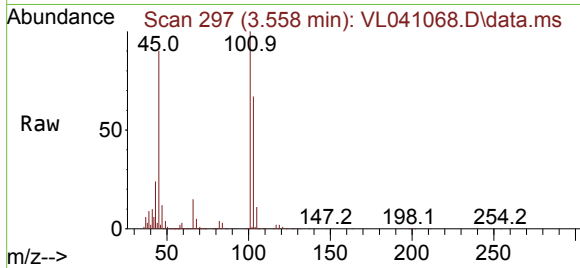
VL0215ABS01

Tgt Ion: 45 Resp: 926958

Ion Ratio Lower Upper

45 100

58 2.0 2.2 3.4#



#20

Methylene Chloride

Concen: 8.891 ppbv

RT: 3.919 min Scan# 409

Delta R.T. 0.006 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Tgt Ion: 84 Resp: 531898

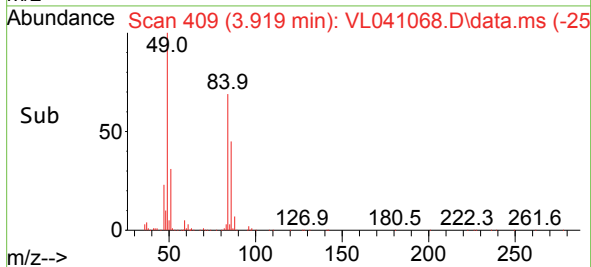
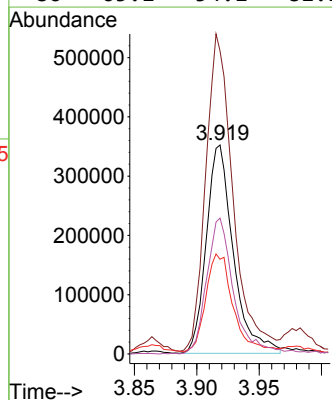
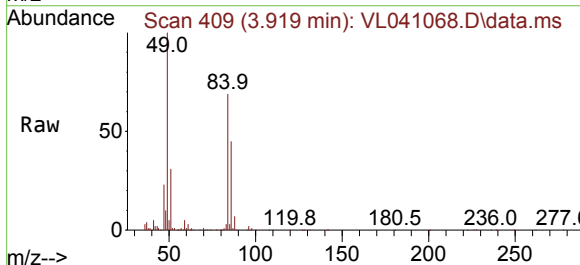
Ion Ratio Lower Upper

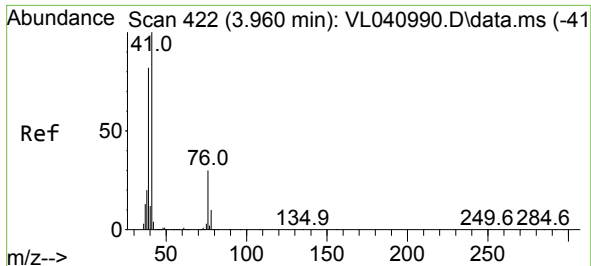
84 100

49 144.1 128.1 192.1

51 44.0 36.5 54.7

86 65.1 54.1 81.1

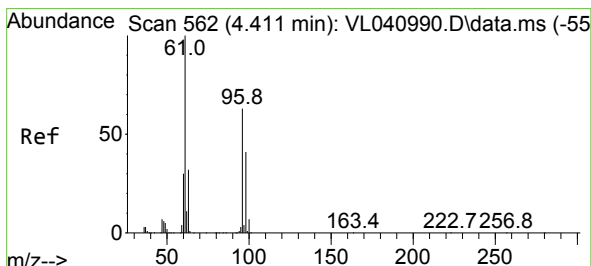
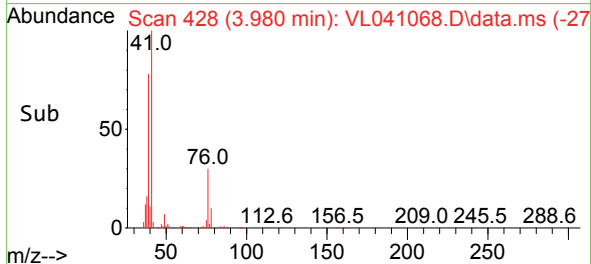
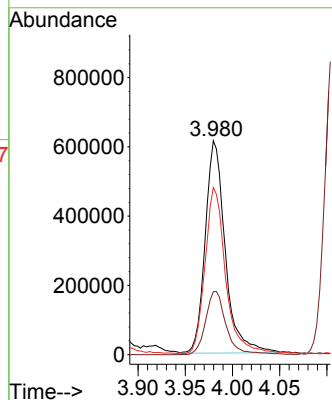
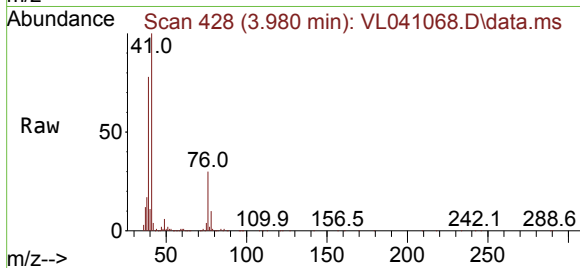




#21
 Allyl Chloride
 Concen: 9.579 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

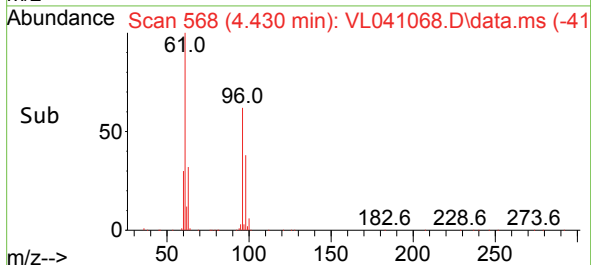
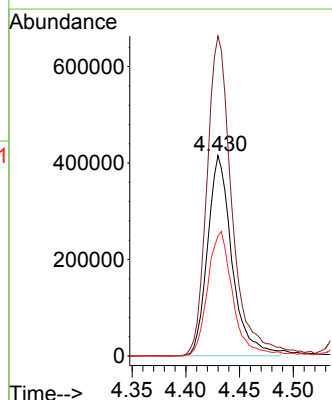
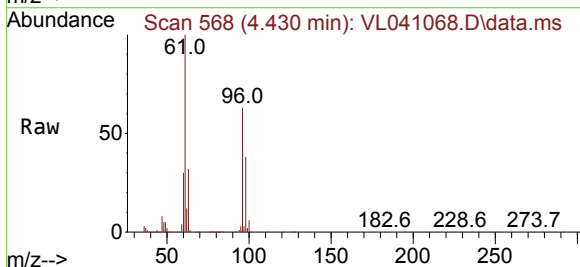
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

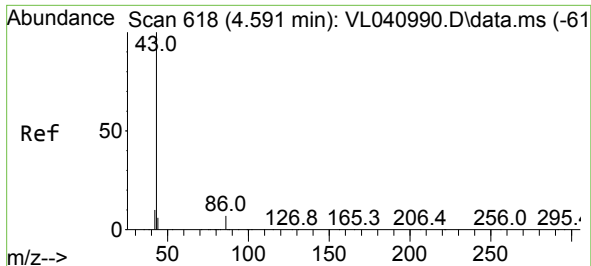
Tgt Ion: 41 Resp: 904772
 Ion Ratio Lower Upper
 41 100
 76 30.6 25.0 37.4
 39 81.8 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.491 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion: 96 Resp: 656041
 Ion Ratio Lower Upper
 96 100
 61 159.4 126.0 189.0
 98 59.9 51.2 76.8



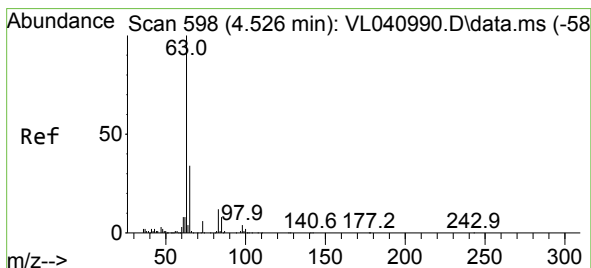
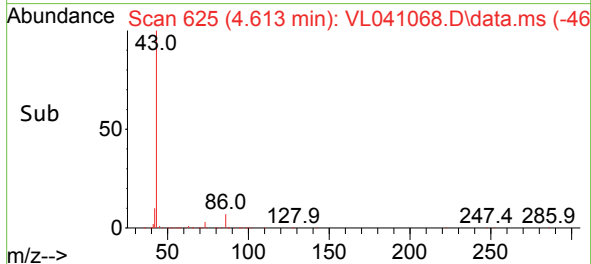
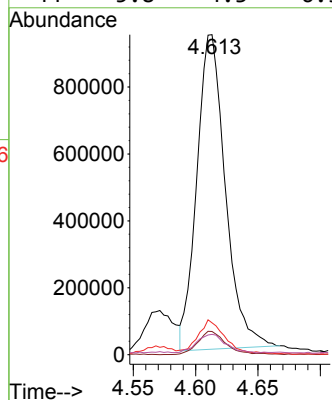
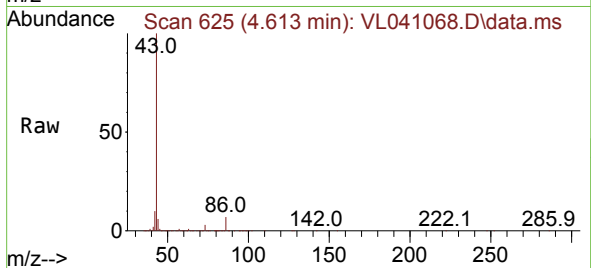


#23
 Vinyl Acetate
 Concen: 9.350 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

Tgt Ion: 43 Resp: 1498366

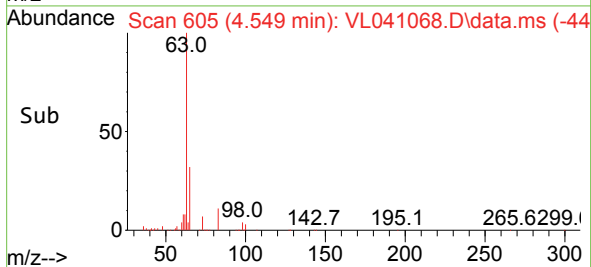
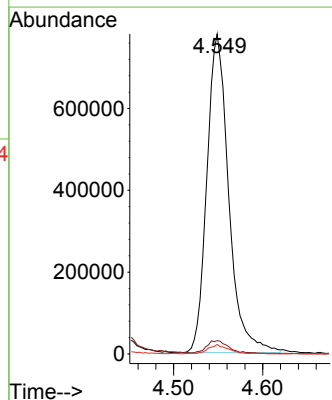
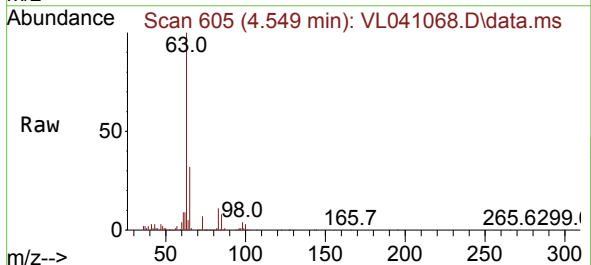
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.4	8.0
42	9.9	8.6	13.0
44	5.8	4.3	6.5

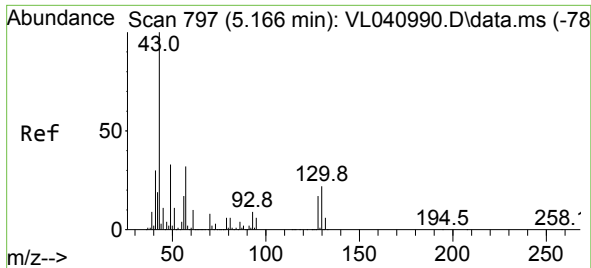


#24
 1,1-Dichloroethane
 Concen: 9.323 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion: 63 Resp: 1325380

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	3.0	1.3	3.9



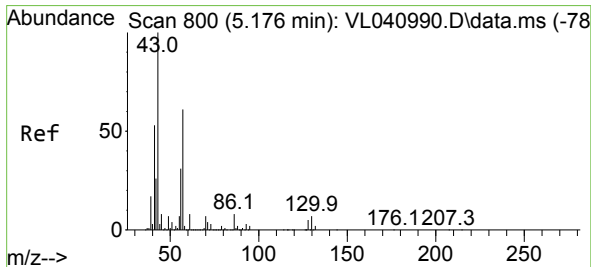
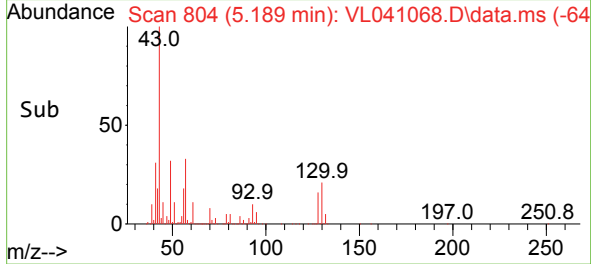
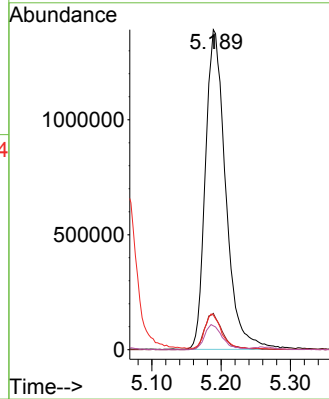
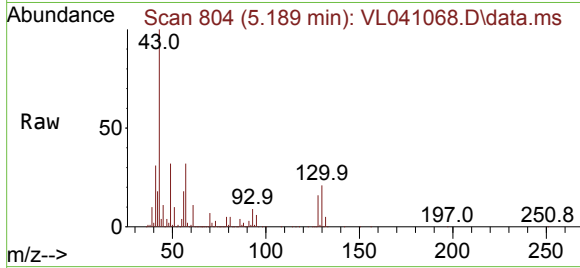


#25
Ethyl Acetate
Concen: 10.016 ppbv
RT: 5.189 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

Tgt Ion: 43 Resp: 2823360

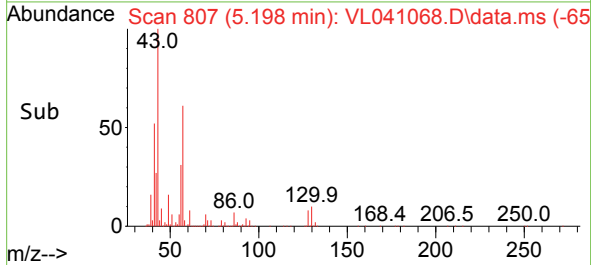
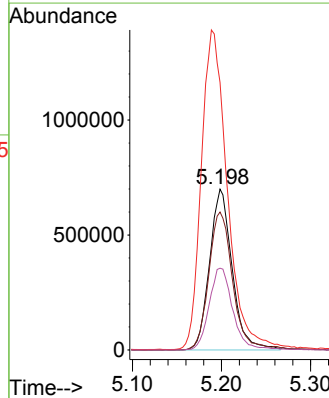
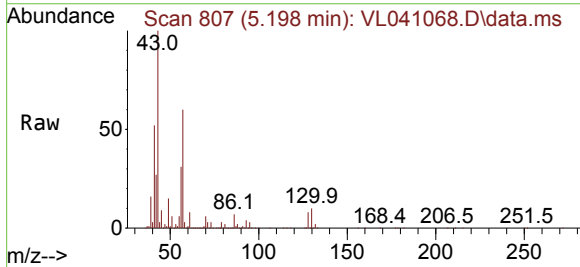
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.9	7.9	11.9
70	6.8	5.4	8.2

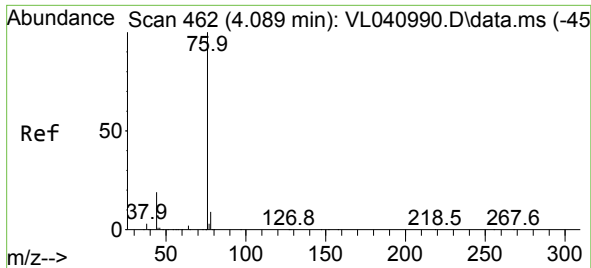


#26
Hexane
Concen: 10.251 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 57 Resp: 1231676

Ion	Ratio	Lower	Upper
57	100		
41	91.9	74.4	111.6
43	231.0	190.6	285.8
56	53.5	43.0	64.4

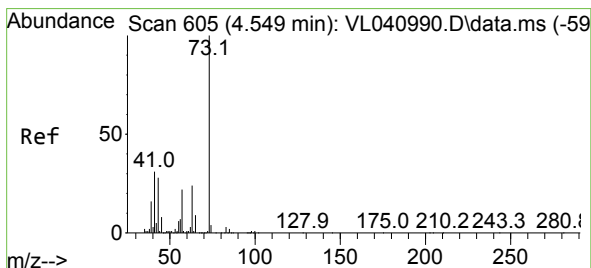
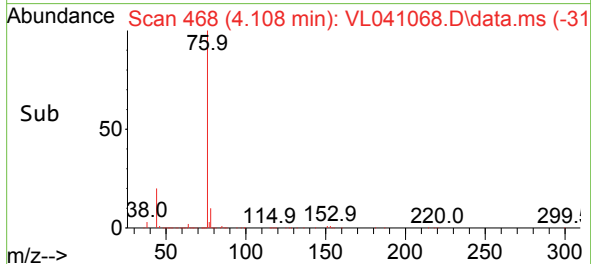
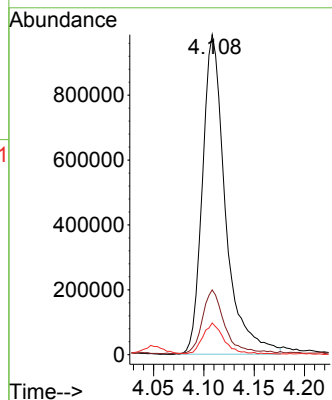
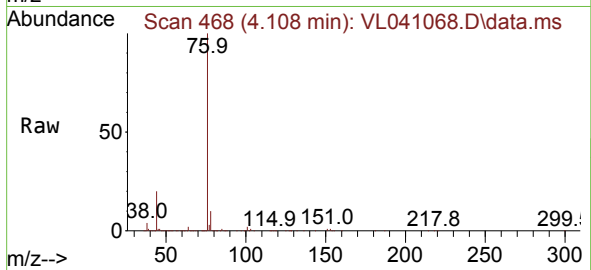




#27
Carbon Disulfide
Concen: 10.024 ppbv
RT: 4.108 min Scan# 40
Delta R.T. 0.006 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

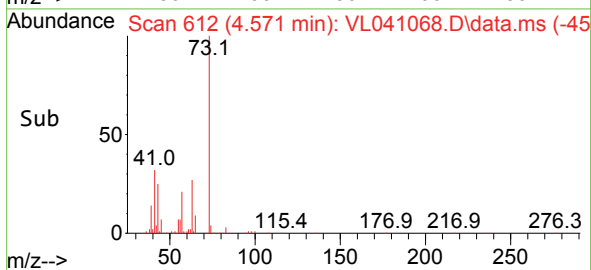
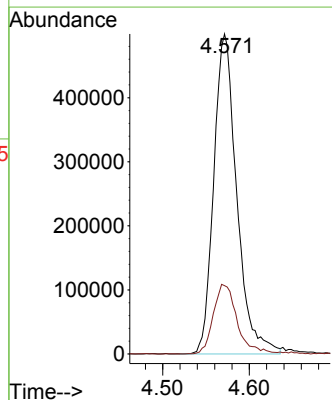
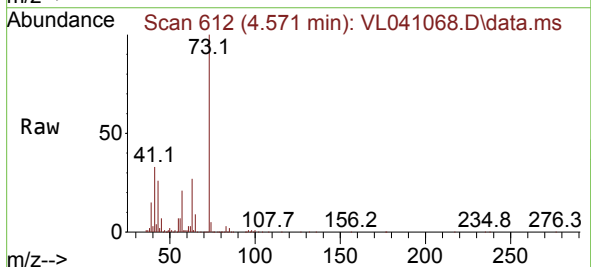
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

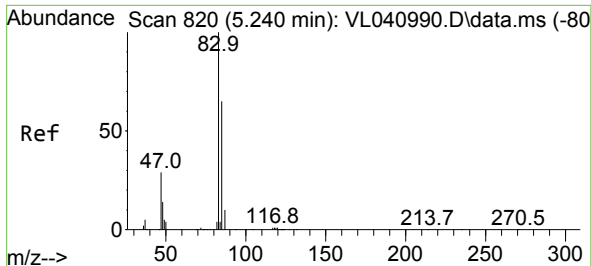
Tgt Ion: 76 Resp: 1567395
Ion Ratio Lower Upper
76 100
44 19.2 16.0 24.0
78 9.6 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.244 ppbv
RT: 4.571 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 73 Resp: 921863
Ion Ratio Lower Upper
73 100
57 23.1 18.0 27.0





#29

Chloroform

Concen: 9.701 ppbv

RT: 5.263 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

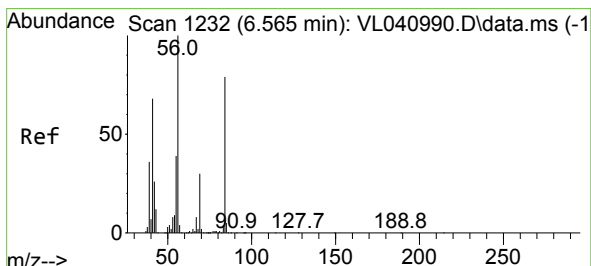
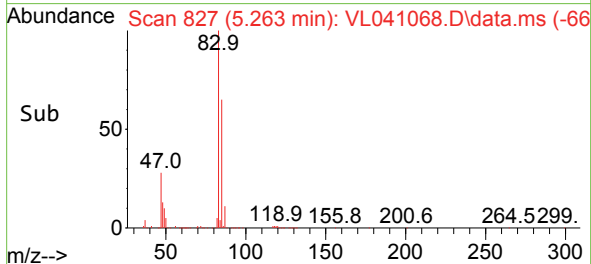
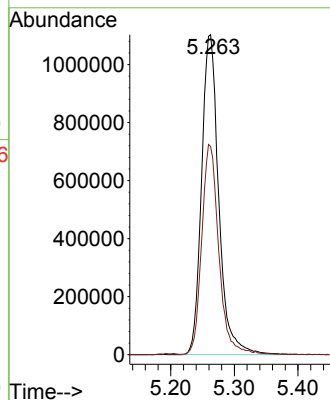
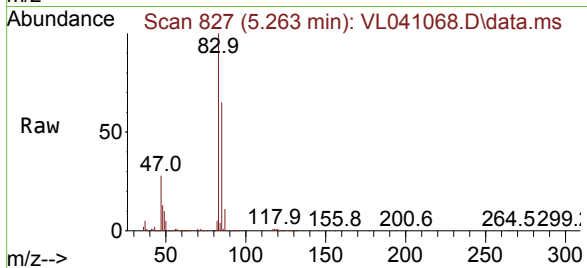
VL0215ABS01

Tgt Ion: 83 Resp: 2067377

Ion Ratio Lower Upper

83 100

85 65.0 51.6 77.4



#30

Cyclohexane

Concen: 10.239 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

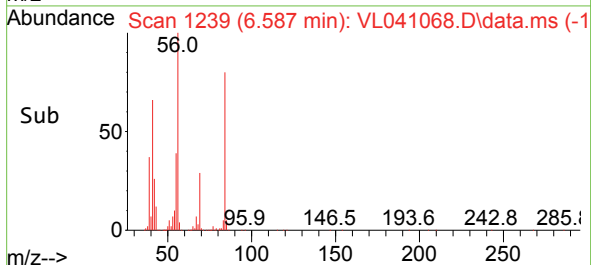
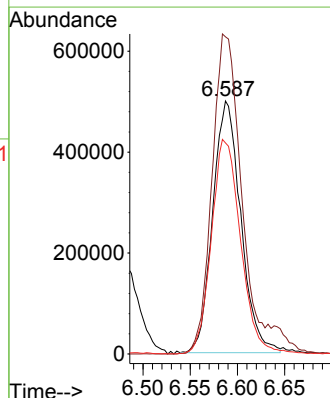
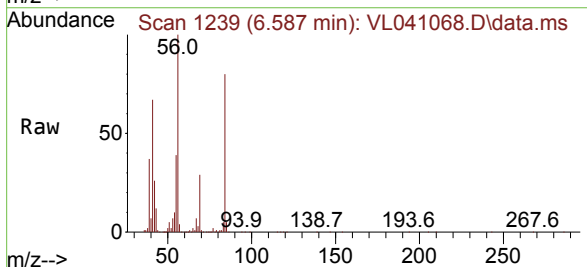
Tgt Ion: 84 Resp: 1030802

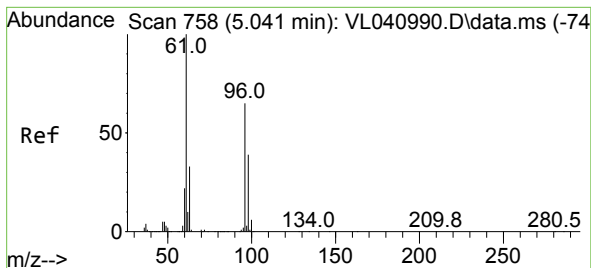
Ion Ratio Lower Upper

84 100

56 138.7 111.7 167.5

41 88.9 71.0 106.6





#31

cis-1,2-Dichloroethene

Concen: 10.964 ppbv

RT: 5.063 min Scan# 7

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

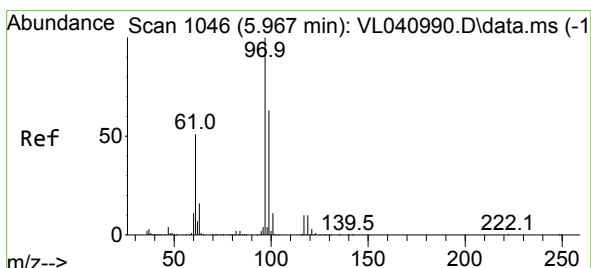
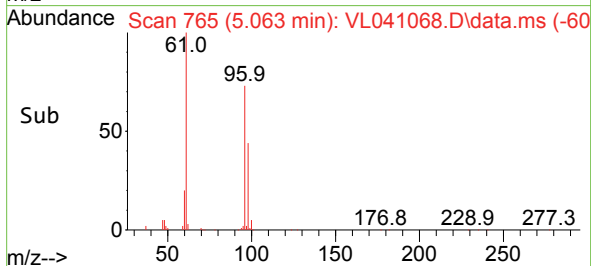
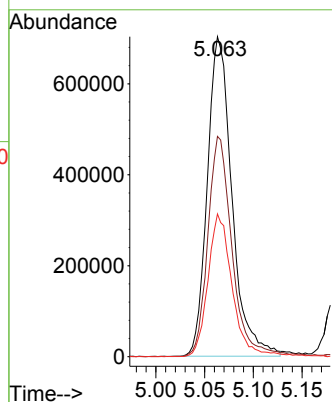
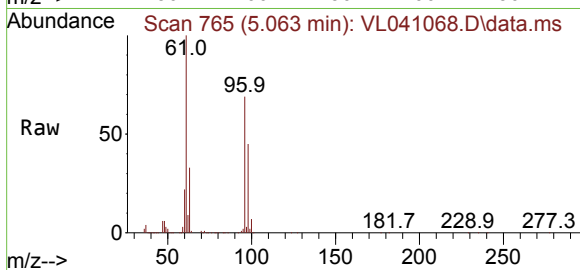
Tgt Ion: 61 Resp: 1236450

Ion Ratio Lower Upper

61 100

96 68.9 51.9 77.9

98 44.5 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 9.959 ppbv

RT: 5.989 min Scan# 1053

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

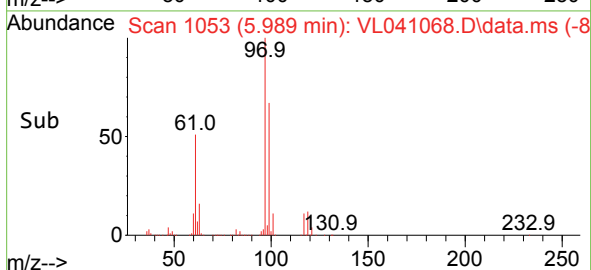
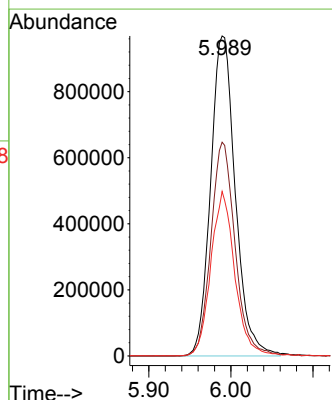
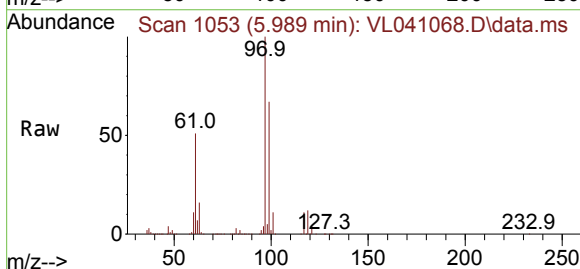
Tgt Ion: 97 Resp: 2028559

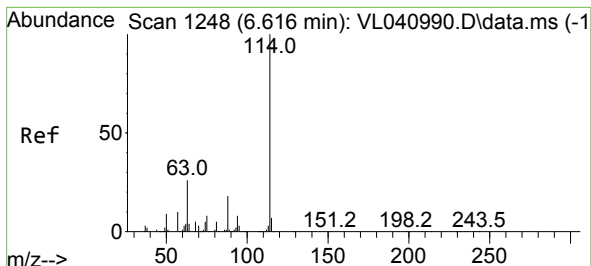
Ion Ratio Lower Upper

97 100

99 65.8 51.5 77.3

61 50.2 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

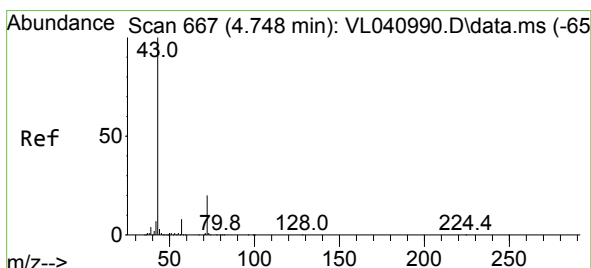
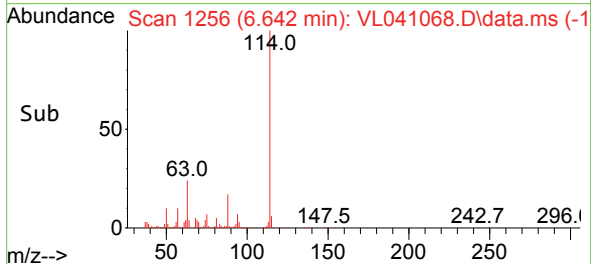
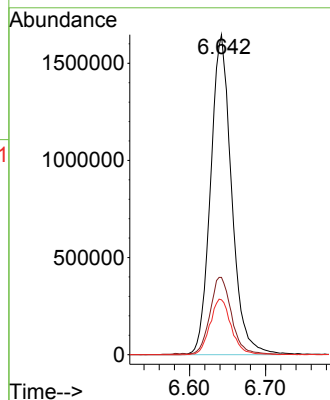
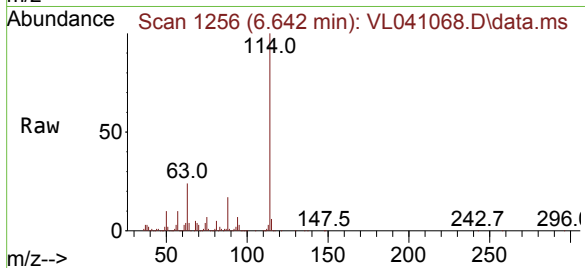
Tgt Ion:114 Resp: 3153913

Ion Ratio Lower Upper

114 100

63 25.4 20.8 31.2

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 10.765 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.003 min

Lab File: VL041068.D

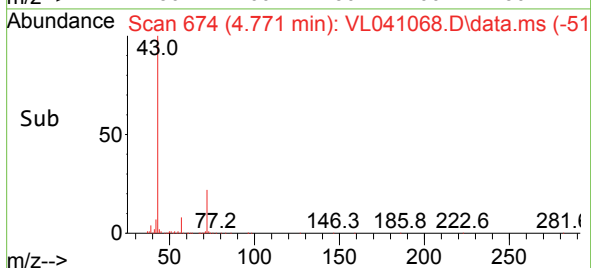
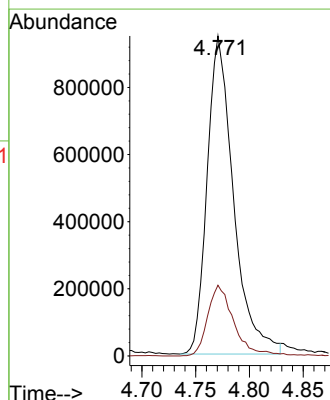
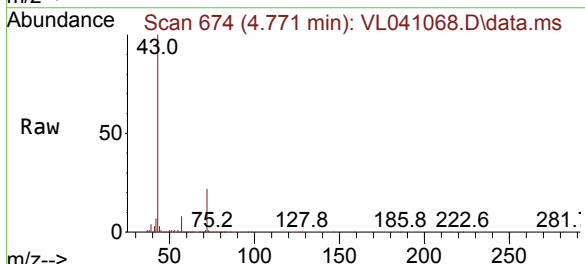
Acq: 15 Feb 2024 12:49

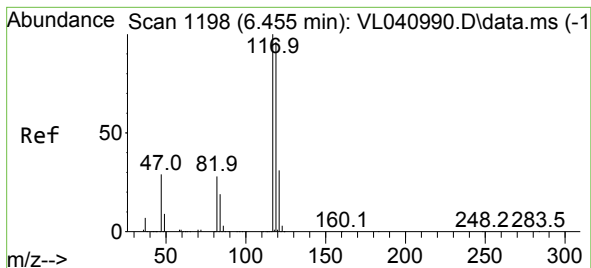
Tgt Ion: 43 Resp: 1617567

Ion Ratio Lower Upper

43 100

72 22.6 17.5 26.3





#35

Carbon Tetrachloride

Concen: 10.307 ppbv

RT: 6.481 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

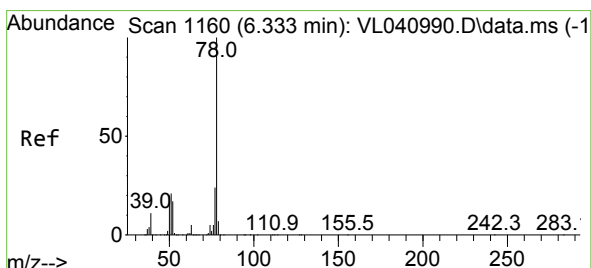
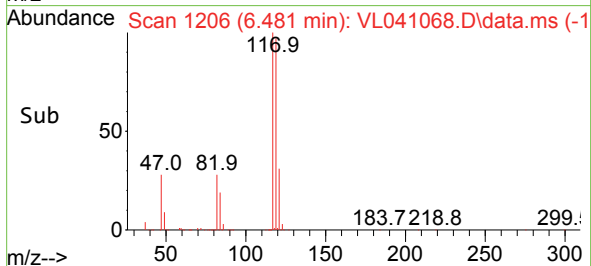
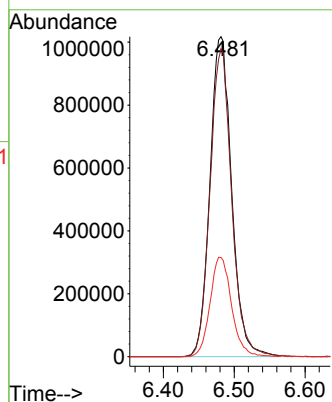
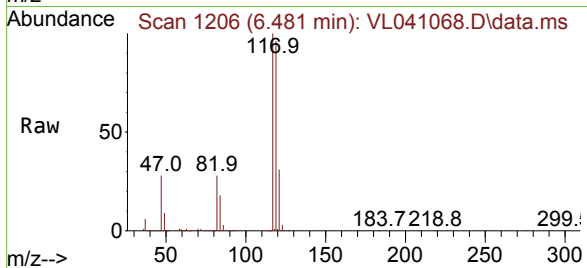
Tgt Ion:117 Resp: 2167788

Ion Ratio Lower Upper

117 100

119 96.3 76.9 115.3

121 31.0 24.7 37.1



#36

Benzene

Concen: 10.070 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

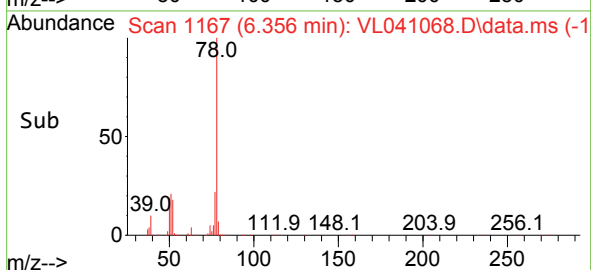
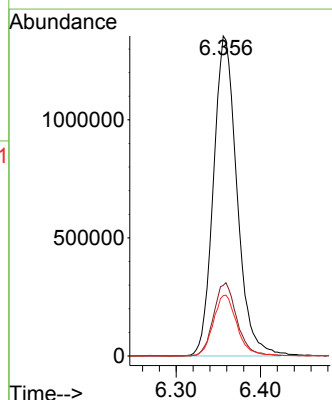
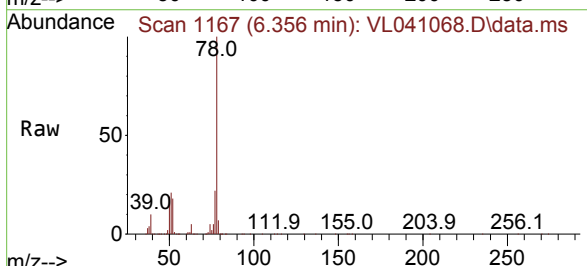
Tgt Ion: 78 Resp: 2622966

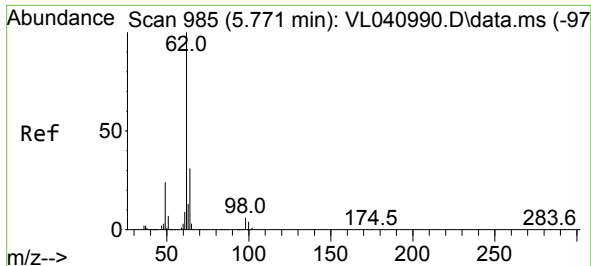
Ion Ratio Lower Upper

78 100

77 22.0 19.0 28.4

50 18.8 15.8 23.6





#37

1,2-Dichloroethane

Concen: 9.701 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

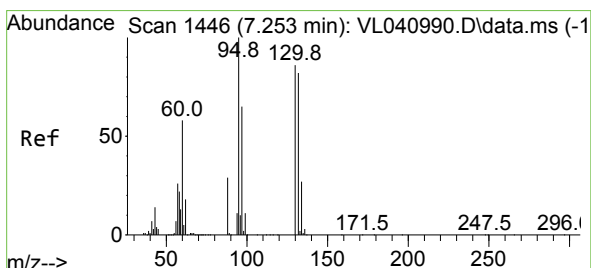
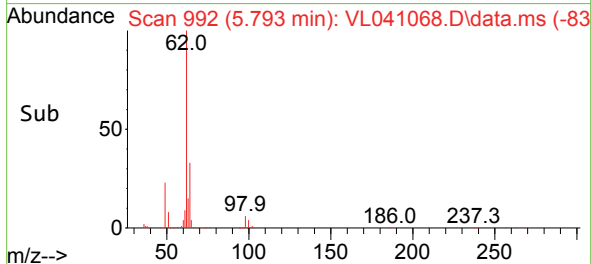
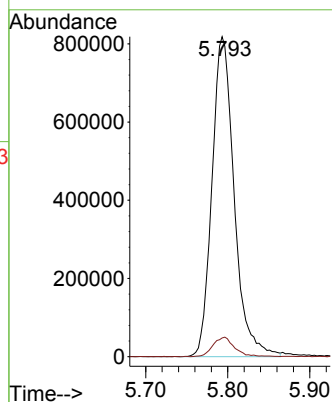
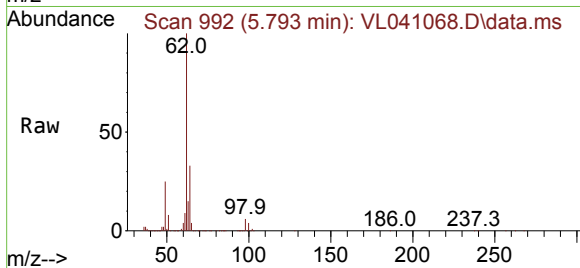
VL0215ABS01

Tgt Ion: 62 Resp: 1542079

Ion Ratio Lower Upper

62 100

98 6.1 4.7 7.1



#38

Trichloroethene

Concen: 9.813 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Tgt Ion:130 Resp: 1024736

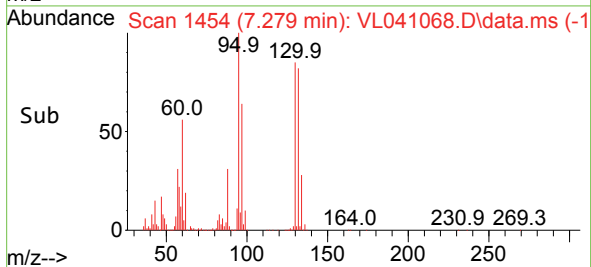
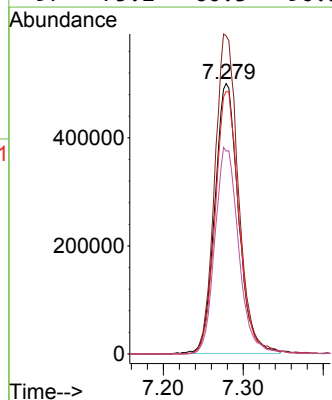
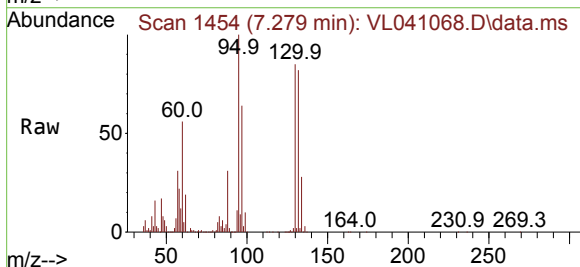
Ion Ratio Lower Upper

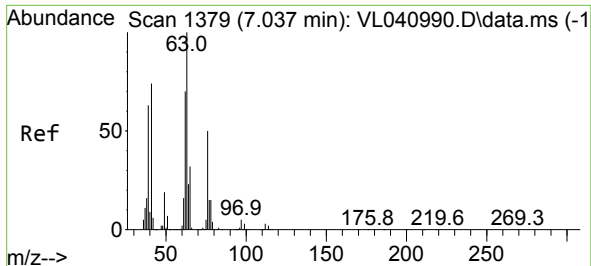
130 100

95 117.8 92.9 139.3

132 97.2 76.2 114.2

97 75.2 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.915 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

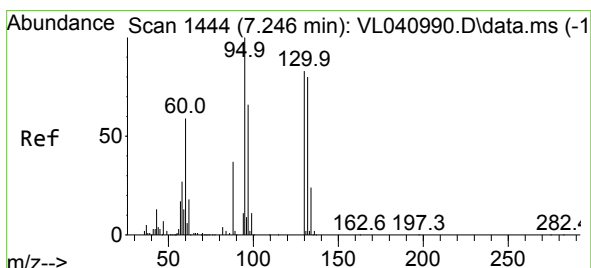
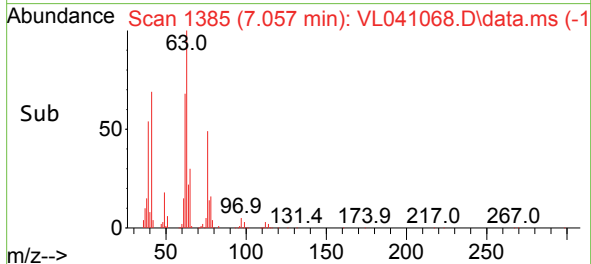
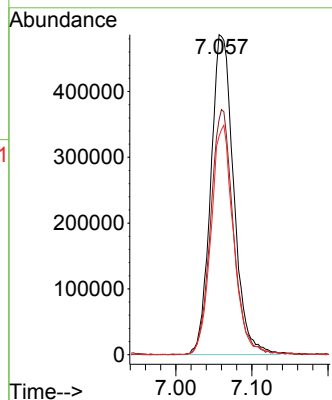
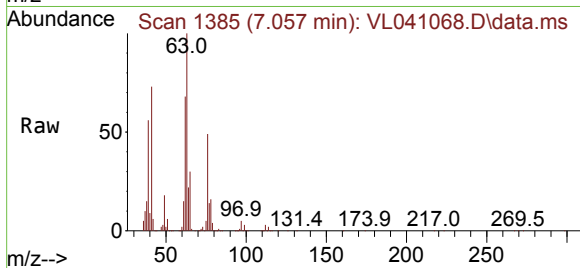
Tgt Ion: 63 Resp: 1017431

Ion Ratio Lower Upper

63 100

41 73.3 59.6 89.4

62 68.1 55.6 83.4



#40

1,4-Dioxane

Concen: 10.239 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Tgt Ion: 88 Resp: 436381

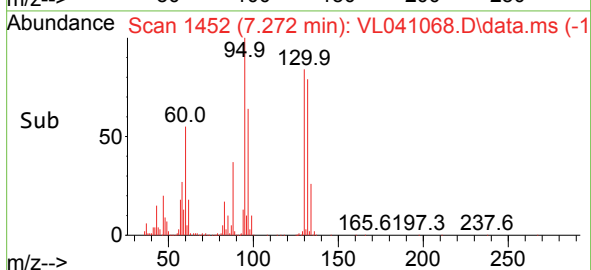
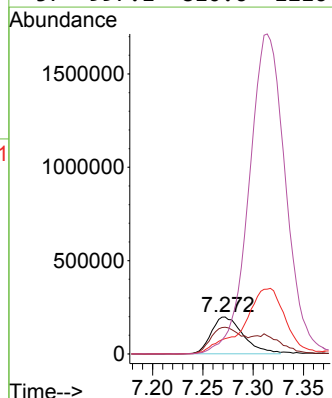
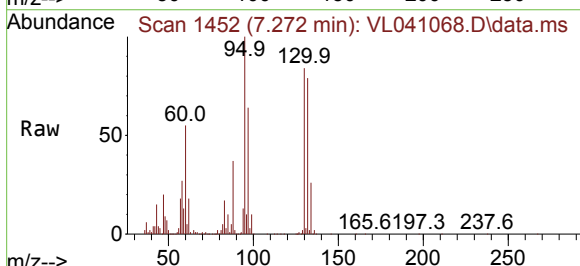
Ion Ratio Lower Upper

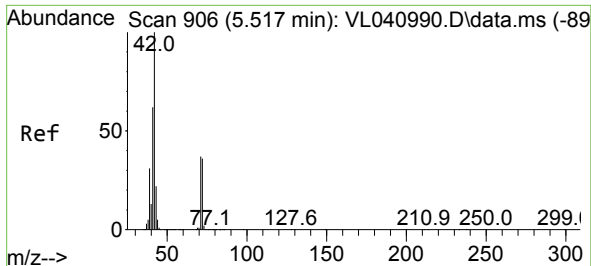
88 100

58 120.6 96.6 144.8

43 230.4 191.0 286.6

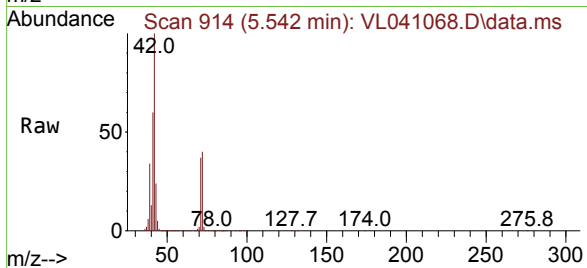
57 997.1 810.6 1216.0



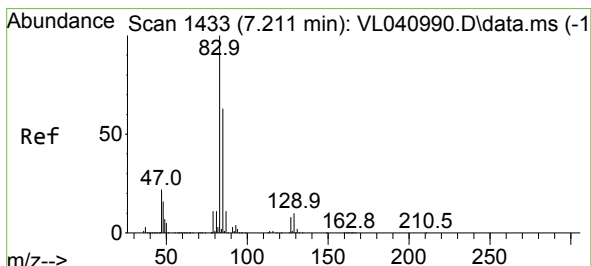
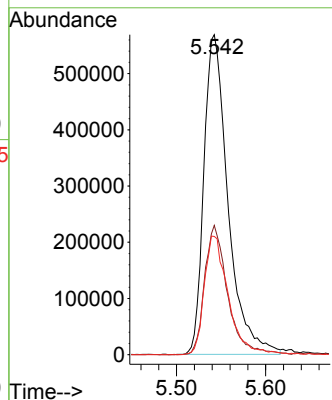
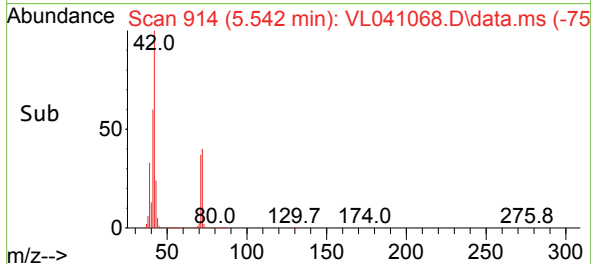


#41
Tetrahydrofuran
Concen: 10.485 ppbv
RT: 5.542 min Scan# 914
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

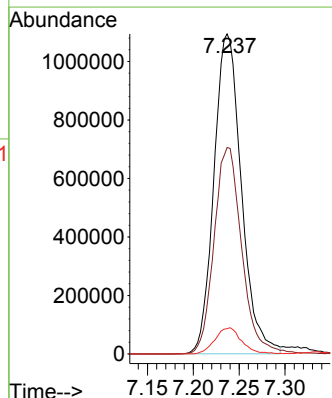
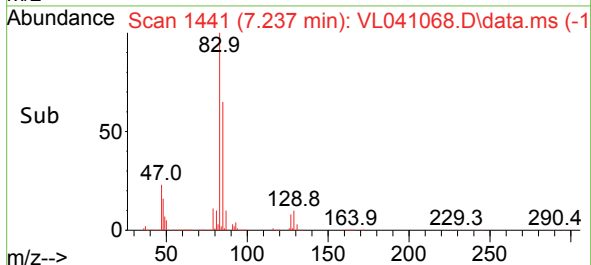
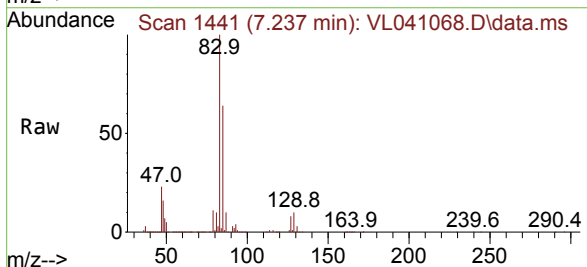


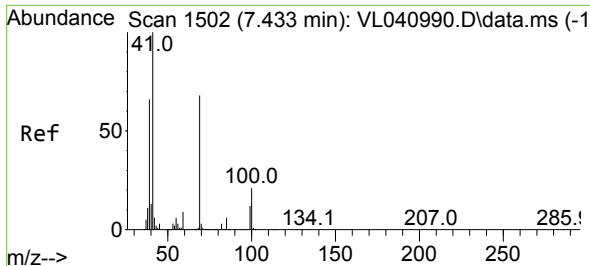
Tgt Ion: 42 Resp: 1069737
Ion Ratio Lower Upper
42 100
72 38.5 30.0 45.0
71 37.4 29.5 44.3



#42
Bromodichloromethane
Concen: 9.999 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 83 Resp: 2274166
Ion Ratio Lower Upper
83 100
85 64.5 50.5 75.7
127 7.9 6.4 9.6



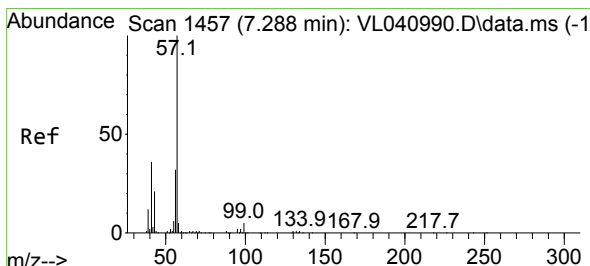
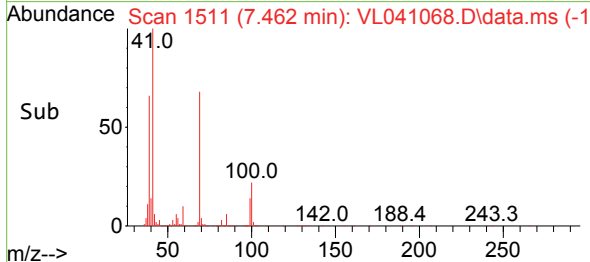
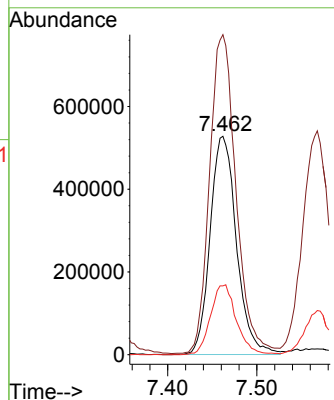
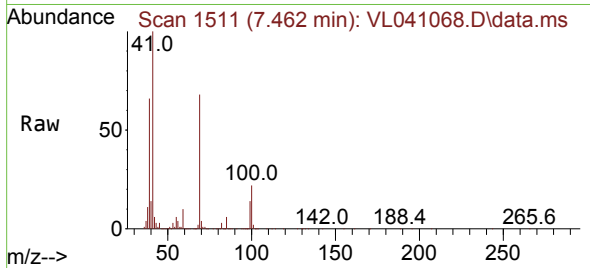


#43
Methyl Methacrylate
Concen: 10.786 ppbv
RT: 7.462 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

Tgt Ion: 69 Resp: 1084156

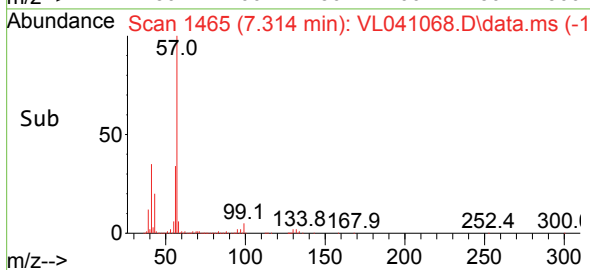
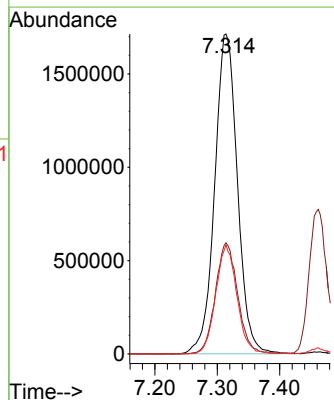
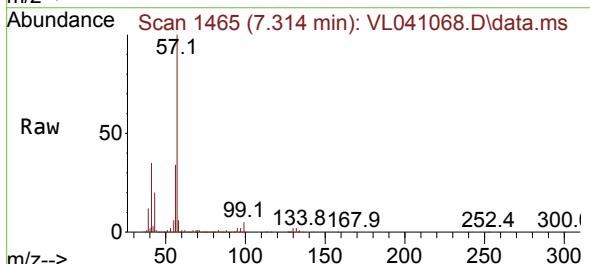
Ion	Ratio	Lower	Upper
69	100		
41	147.5	120.2	180.2
100	31.4	24.6	36.8

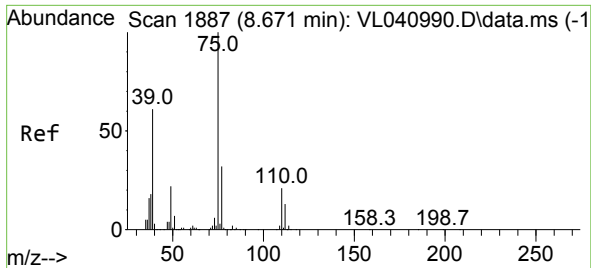


#44
2,2,4-Trimethylpentane
Concen: 9.896 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 57 Resp: 4337476

Ion	Ratio	Lower	Upper
57	100		
41	34.3	28.6	43.0
56	31.8	25.2	37.8

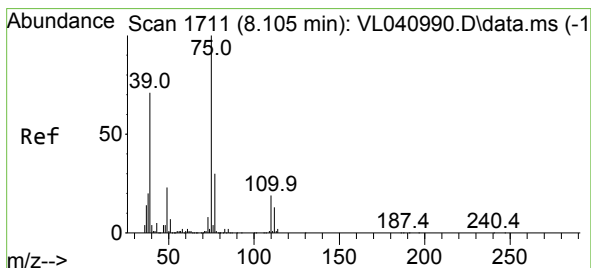
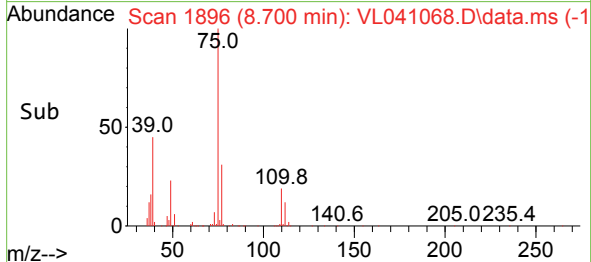
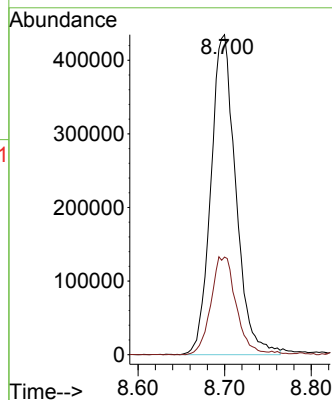
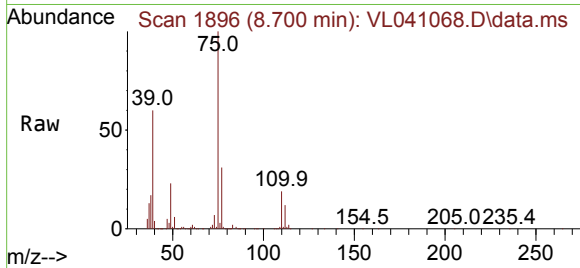




#45
 t-1,3-Dichloropropene
 Concen: 12.684 ppbv
 RT: 8.700 min Scan# 1718
 Delta R.T. 0.006 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

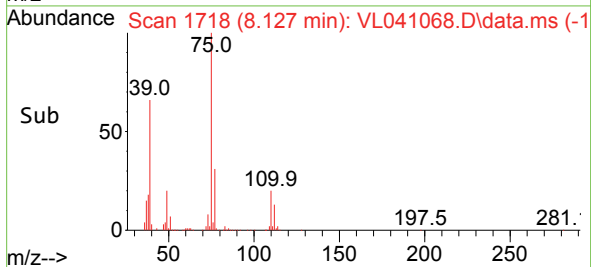
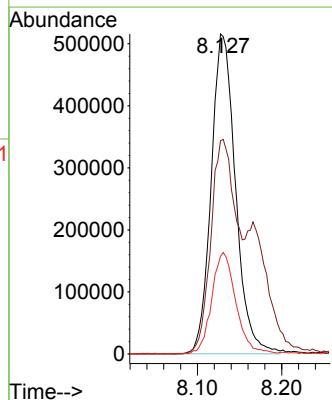
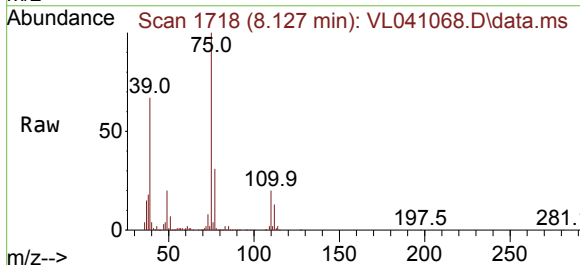
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

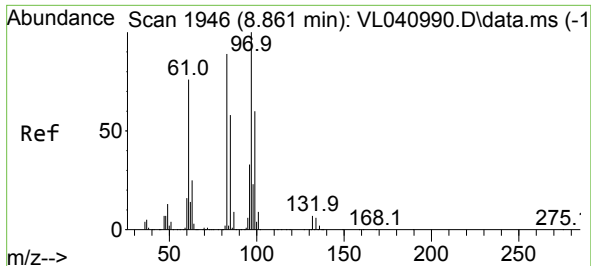
Tgt Ion: 75 Resp: 871096
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 12.053 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. -0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion: 75 Resp: 1032333
 Ion Ratio Lower Upper
 75 100
 39 66.4 57.3 85.9
 77 30.6 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 10.067 ppbv

RT: 8.889 min Scan# 1946

Delta R.T. 0.006 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

Tgt Ion: 97 Resp: 1113411

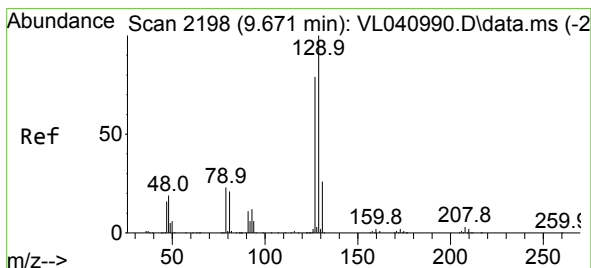
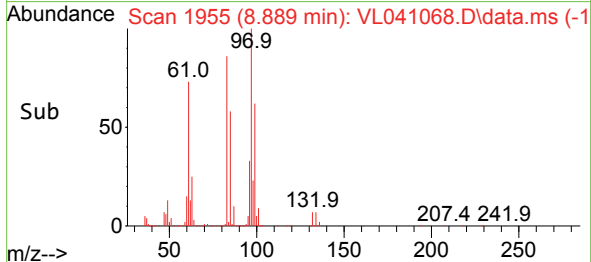
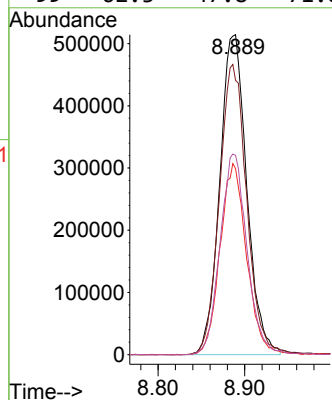
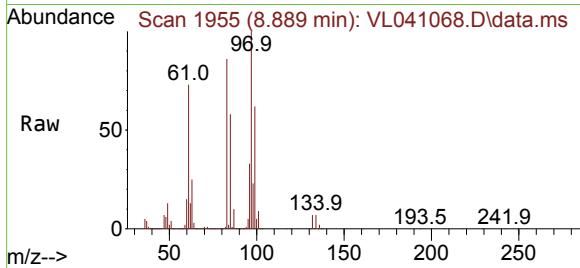
Ion Ratio Lower Upper

97 100

83 85.8 71.5 107.3

85 58.2 46.1 69.1

99 62.3 47.8 71.8



#48

Dibromochloromethane

Concen: 10.413 ppbv

RT: 9.696 min Scan# 2206

Delta R.T. 0.000 min

Lab File: VL041068.D

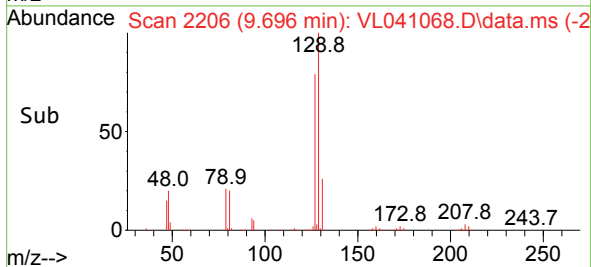
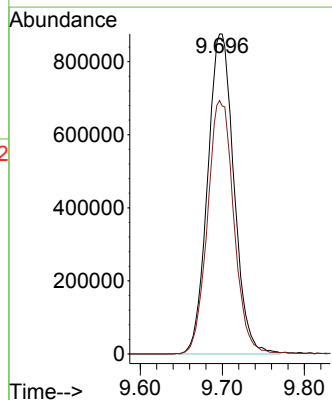
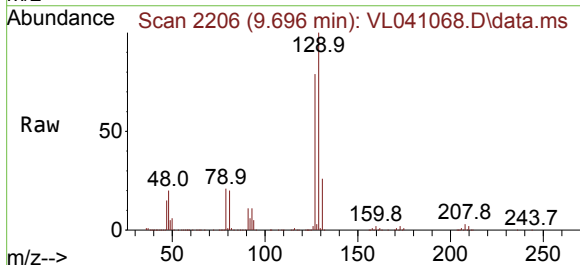
Acq: 15 Feb 2024 12:49

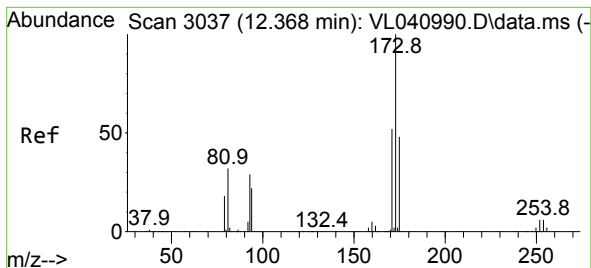
Tgt Ion: 129 Resp: 1947172

Ion Ratio Lower Upper

129 100

127 79.6 39.6 119.0





#49

Bromoform

Concen: 10.902 ppbv

RT: 12.394 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

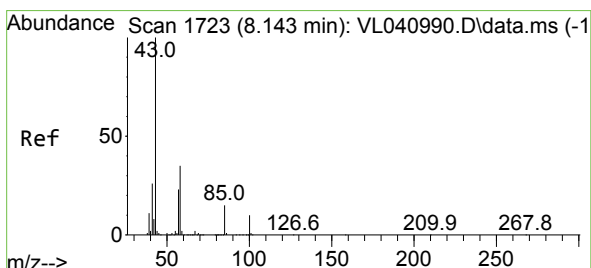
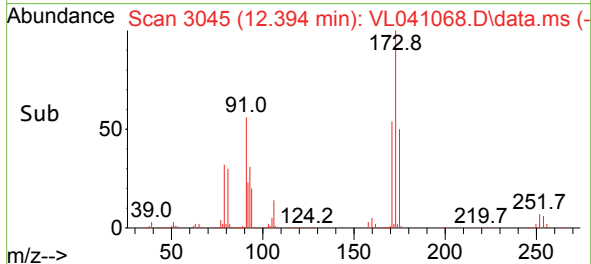
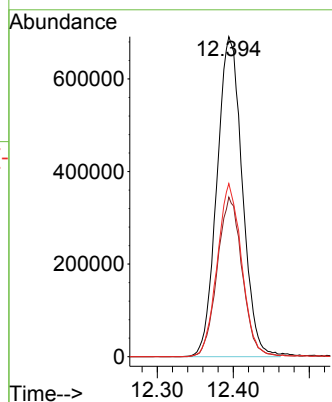
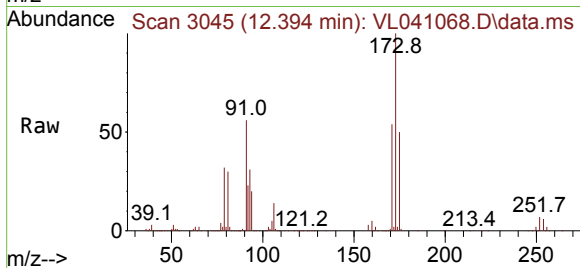
Tgt Ion:173 Resp: 1599128

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.4

171 52.6 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.344 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.003 min

Lab File: VL041068.D

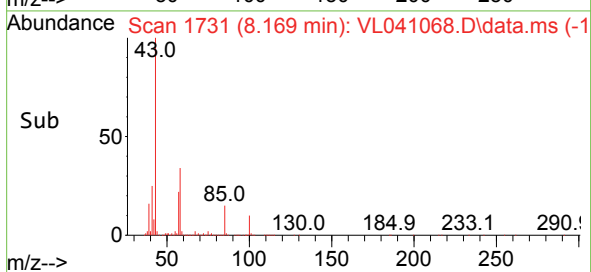
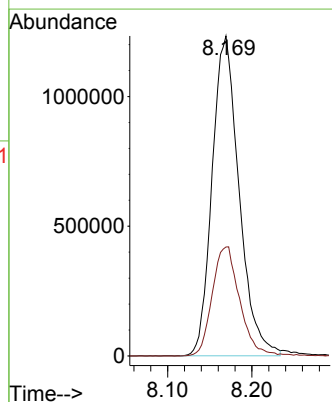
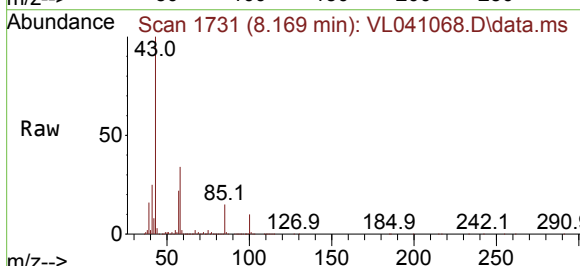
Acq: 15 Feb 2024 12:49

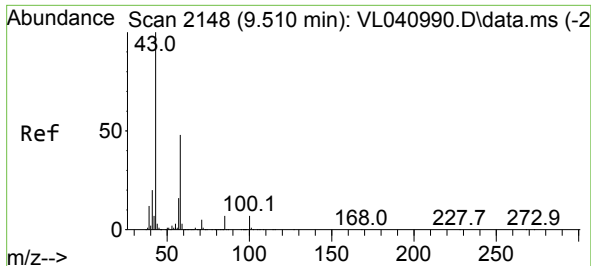
Tgt Ion: 43 Resp: 2737109

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8

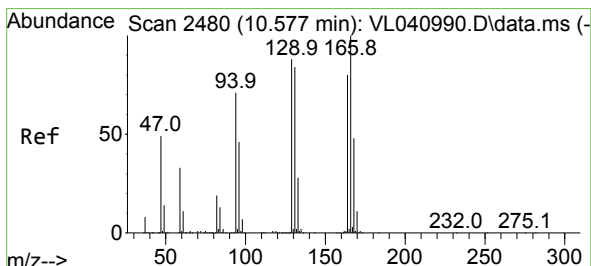
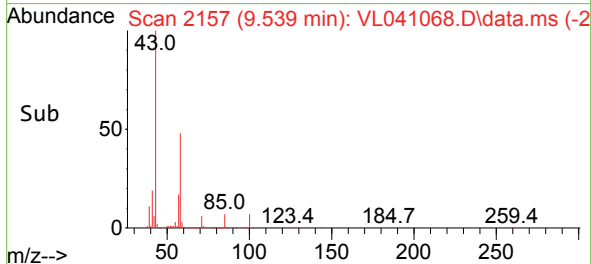
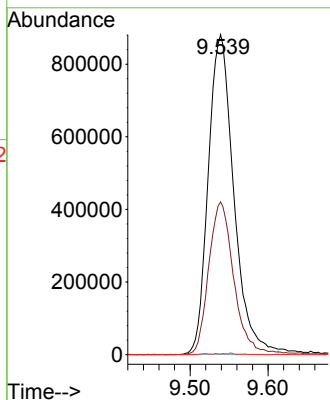
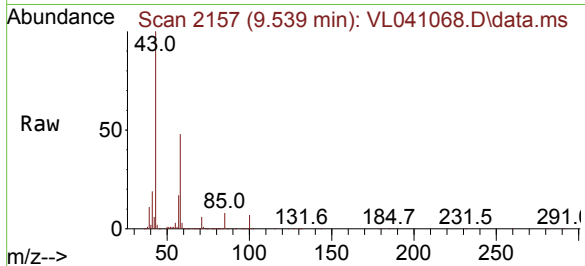




#51
2-Hexanone
Concen: 10.498 ppbv
RT: 9.539 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

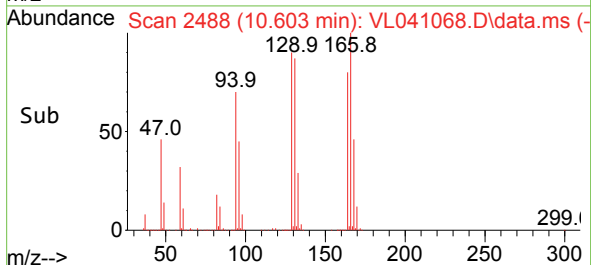
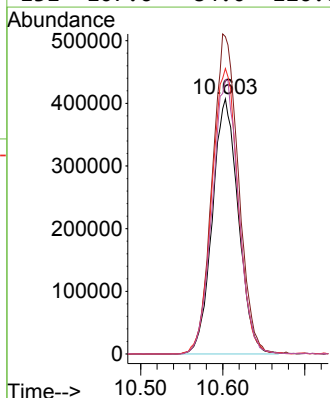
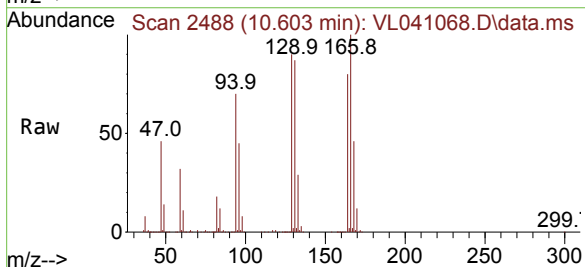
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

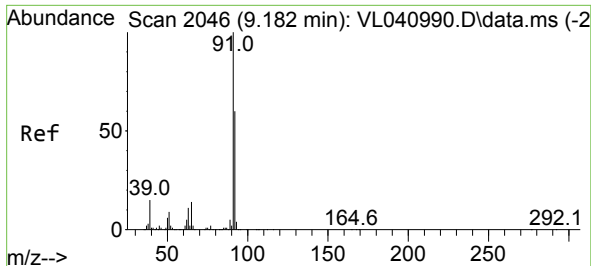
Tgt Ion: 43 Resp: 2002304
Ion Ratio Lower Upper
43 100
58 47.6 36.8 55.2
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 10.350 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 164 Resp: 895307
Ion Ratio Lower Upper
164 100
166 124.4 100.2 150.2
129 112.0 87.9 131.9
131 107.6 84.0 126.0

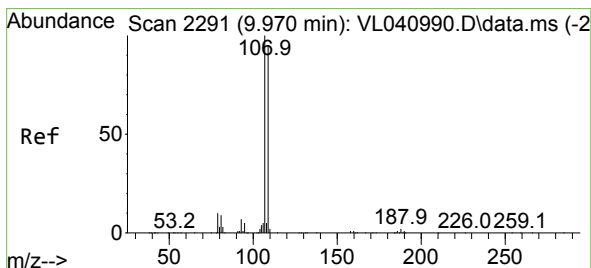
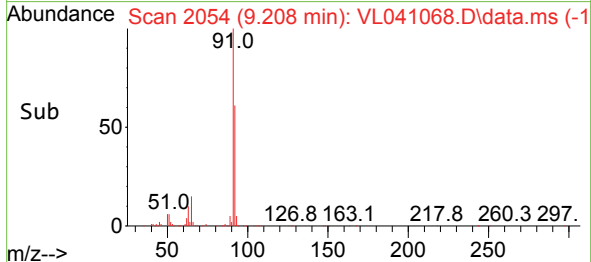
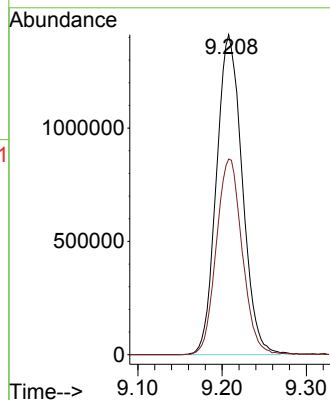
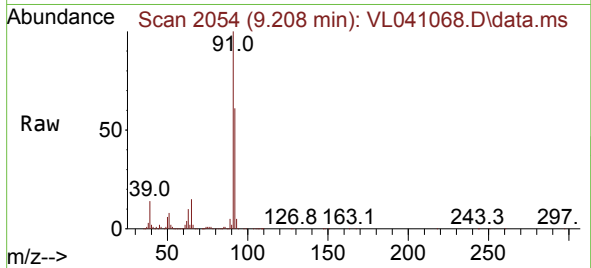




#53
Toluene
Concen: 10.514 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

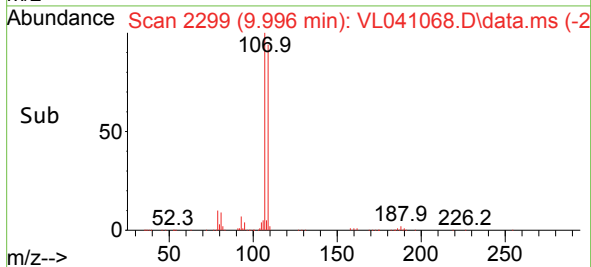
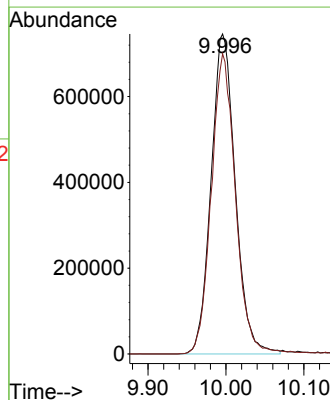
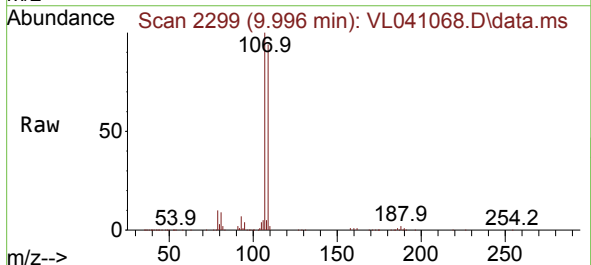
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

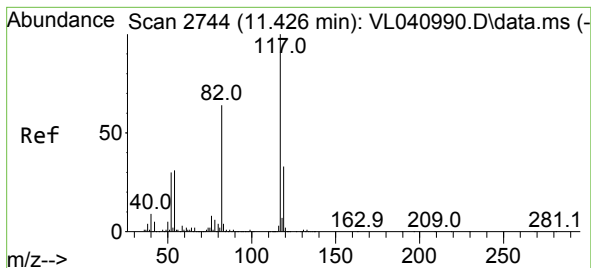
Tgt Ion: 91 Resp: 3000082
Ion Ratio Lower Upper
91 100
92 61.6 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.759 ppbv
RT: 9.996 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 107 Resp: 1611642
Ion Ratio Lower Upper
107 100
109 93.7 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

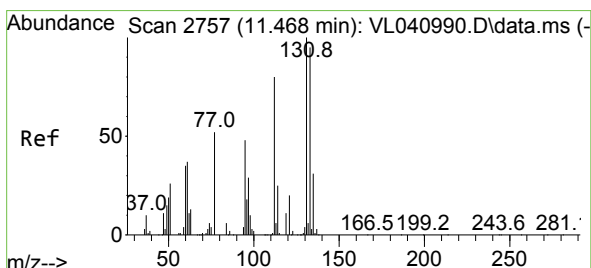
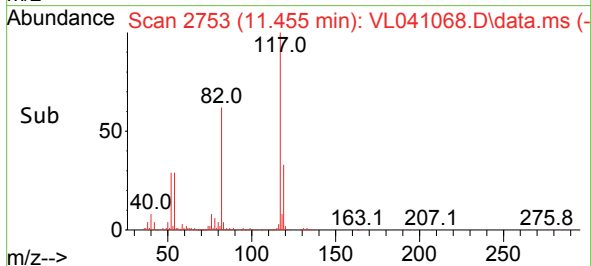
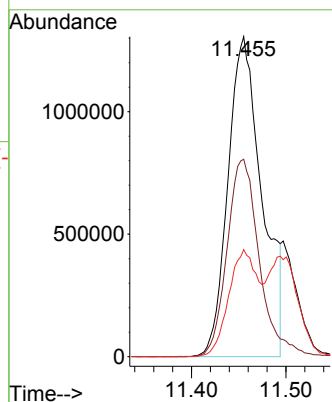
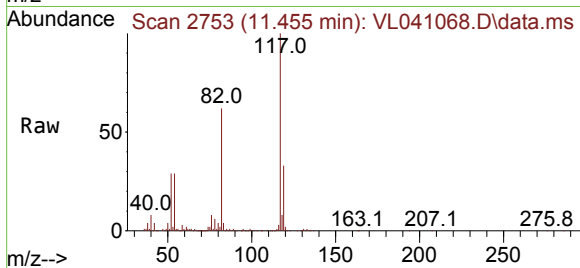
Tgt Ion:117 Resp: 3264871

Ion Ratio Lower Upper

117 100

82 59.1 51.7 77.5

119 30.3 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 9.084 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

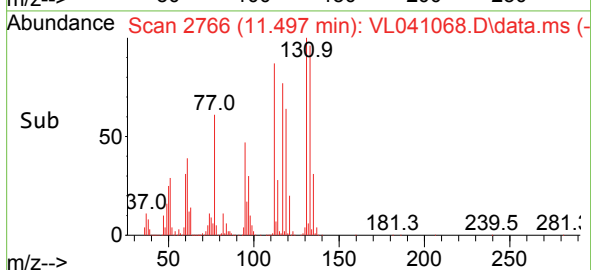
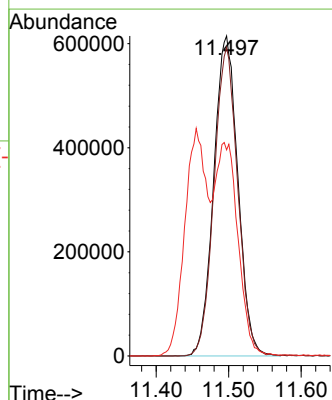
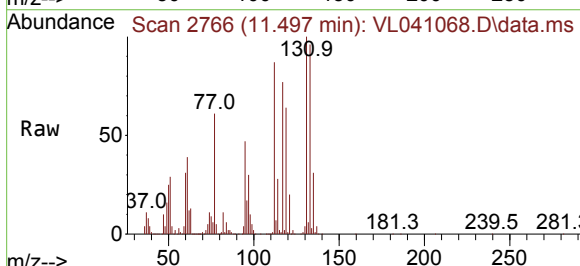
Tgt Ion:131 Resp: 1422924

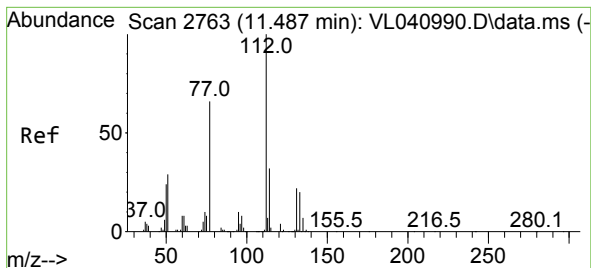
Ion Ratio Lower Upper

131 100

133 94.7 75.9 113.9

119 68.9 49.2 73.8

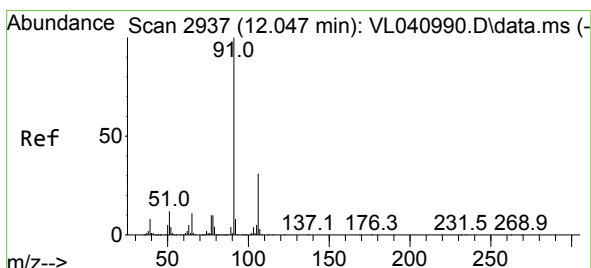
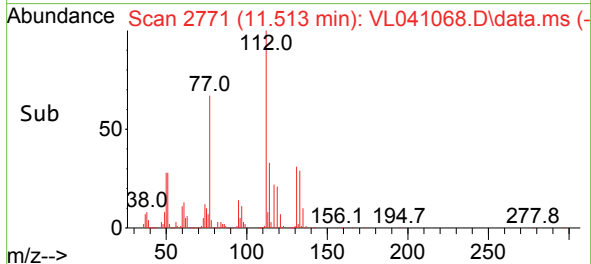
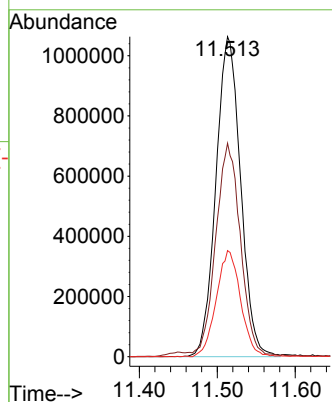
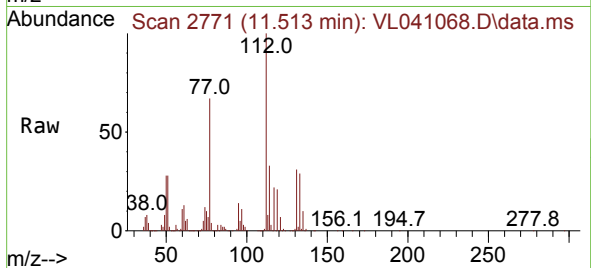




#57
Chlorobenzene
Concen: 8.924 ppbv
RT: 11.513 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

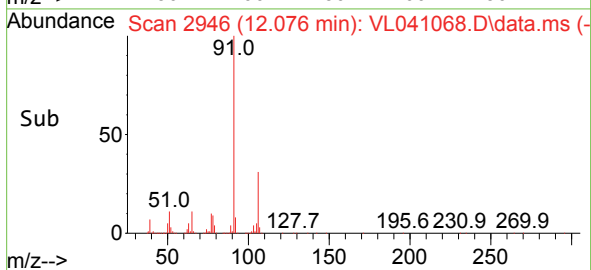
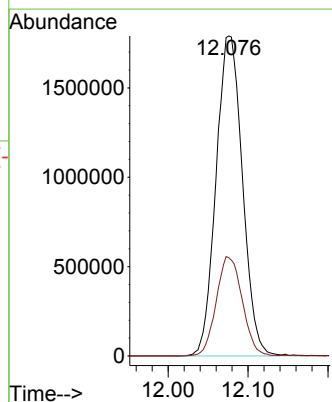
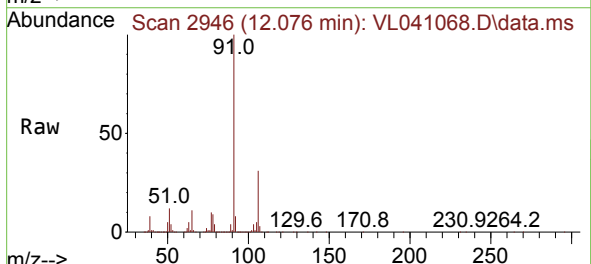
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

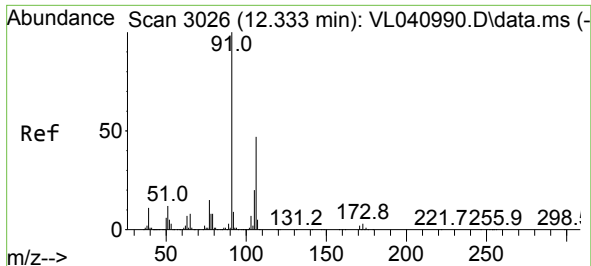
Tgt Ion:112 Resp: 2343542
Ion Ratio Lower Upper
112 100
77 66.4 53.4 80.0
114 33.1 29.1 35.5



#58
Ethyl Benzene
Concen: 9.356 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 91 Resp: 4101805
Ion Ratio Lower Upper
91 100
106 30.7 24.8 37.2

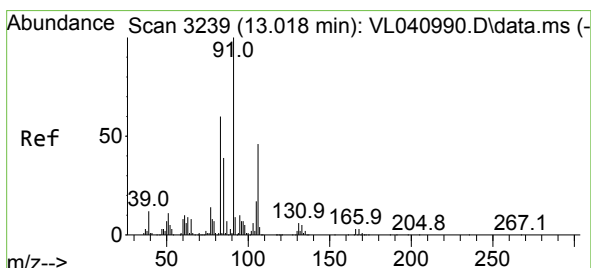
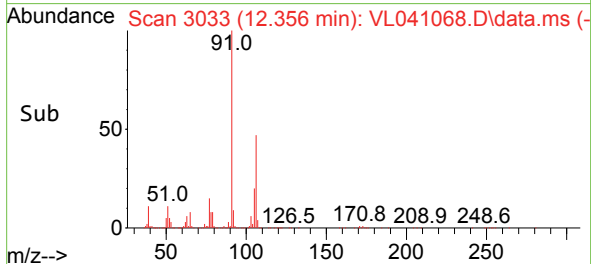
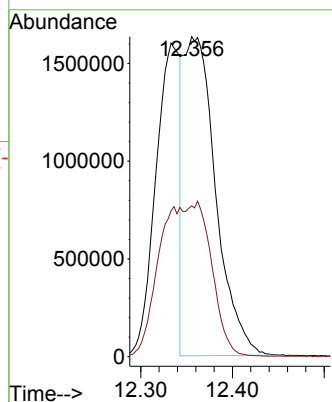
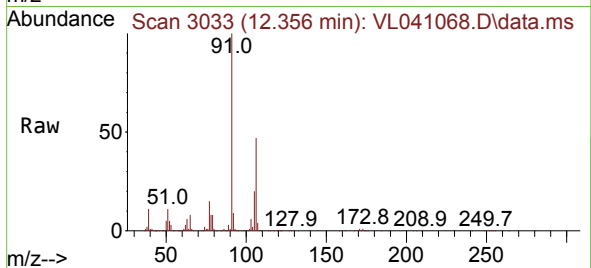




#59
m/p-Xylene
Concen: 10.482 ppbv
RT: 12.356 min Scan# 3026
Delta R.T. -0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

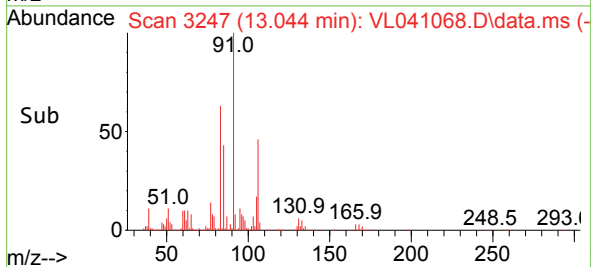
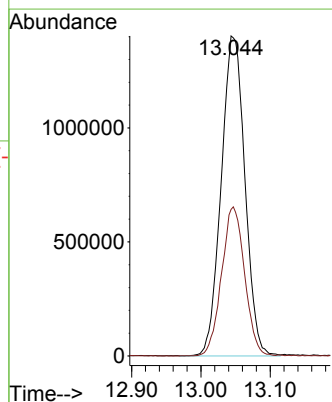
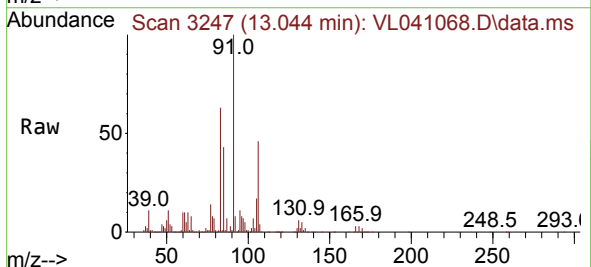
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

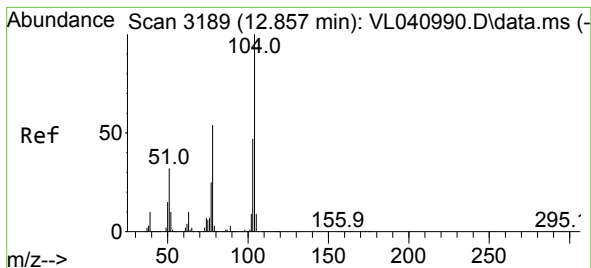
Tgt Ion: 91 Resp: 4006907
Ion Ratio Lower Upper
91 100
106 77.2 34.9 52.3#



#60
o-Xylene
Concen: 9.107 ppbv
RT: 13.044 min Scan# 3247
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 91 Resp: 3340185
Ion Ratio Lower Upper
91 100
106 45.5 22.6 67.7





#61

Styrene

Concen: 10.289 ppbv

RT: 12.886 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

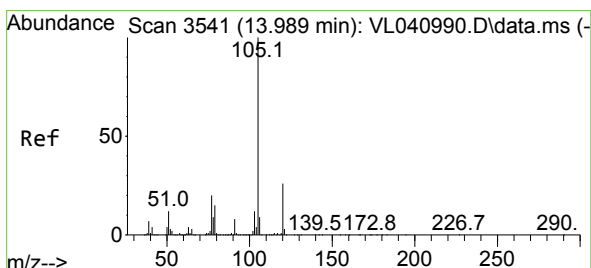
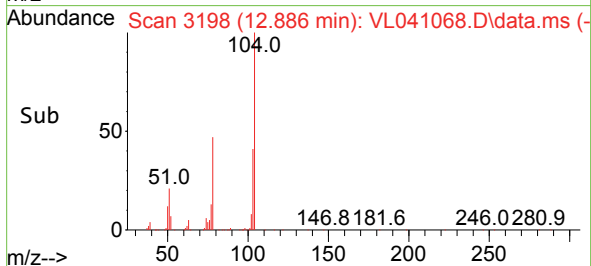
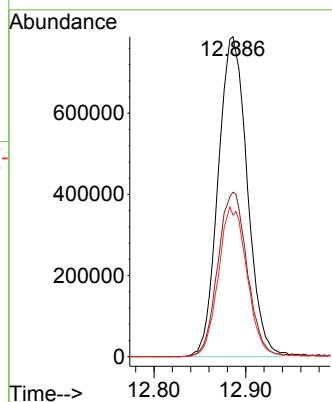
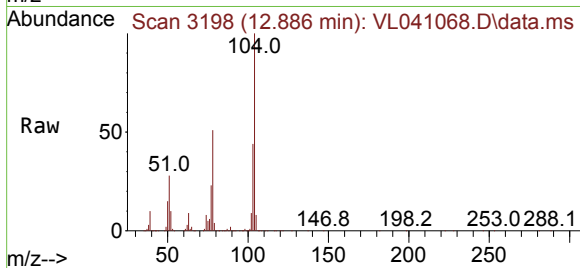
Tgt Ion:104 Resp: 1732766

Ion Ratio Lower Upper

104 100

78 52.5 42.7 64.1

103 46.6 37.6 56.4



#62

Isopropylbenzene

Concen: 8.935 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.000 min

Lab File: VL041068.D

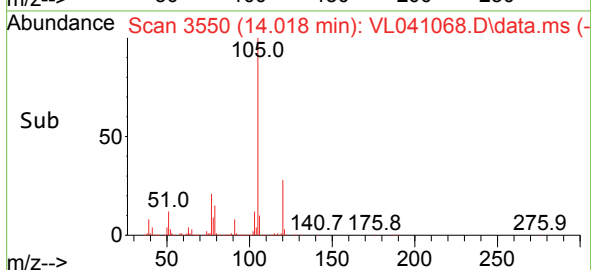
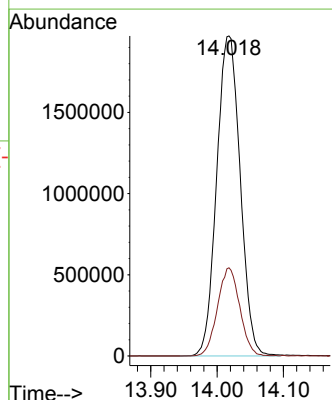
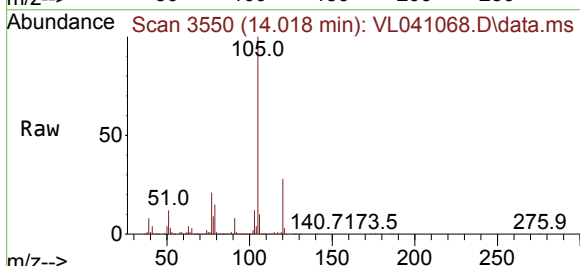
Acq: 15 Feb 2024 12:49

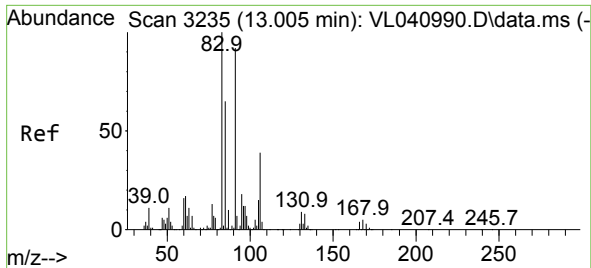
Tgt Ion:105 Resp: 4846298

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

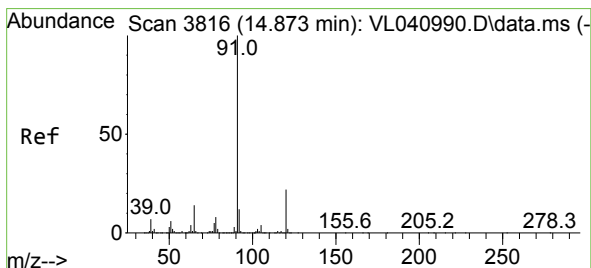
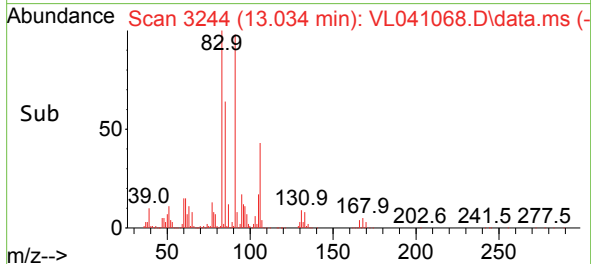
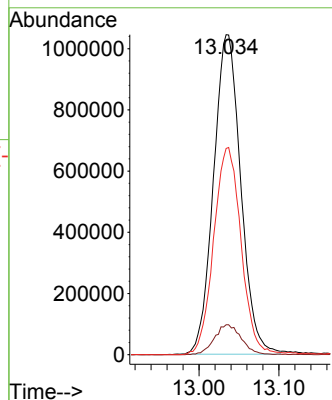
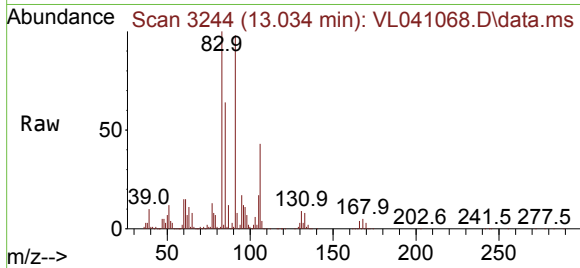




#63
1,1,2,2-Tetrachloroethane
Concen: 8.657 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

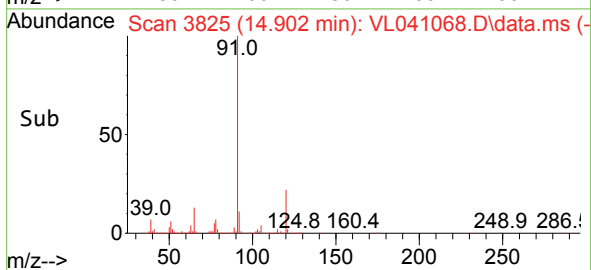
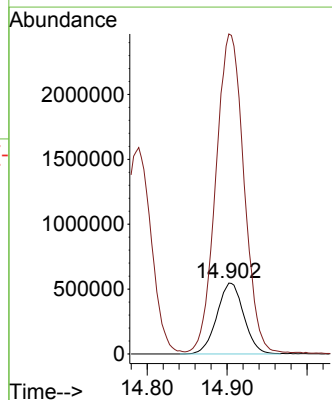
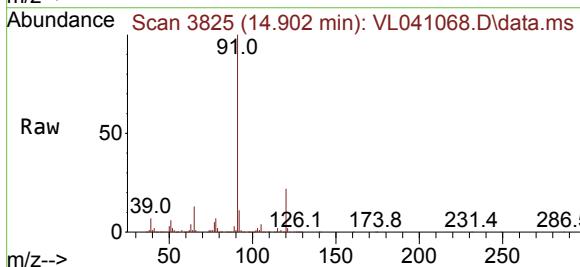
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

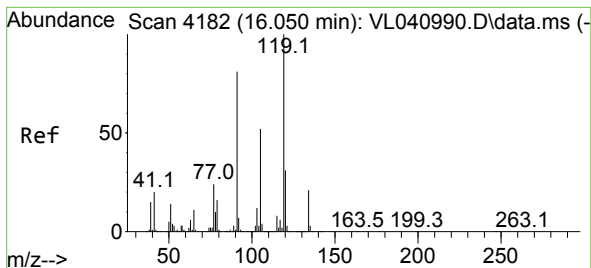
Tgt Ion: 83 Resp: 2467446
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 65.7 33.0 99.0



#64
n-propylbenzene
Concen: 9.295 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion:120 Resp: 1273672
Ion Ratio Lower Upper
120 100
91 476.7 390.6 585.8





#65

tert-Butylbenzene

Concen: 8.997 ppbv

RT: 16.079 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

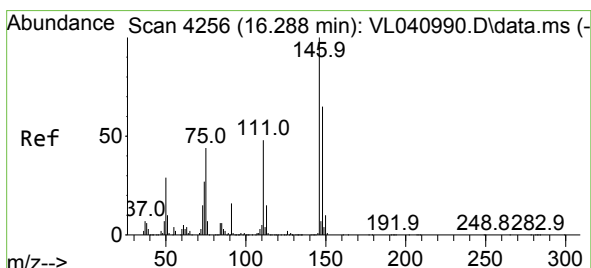
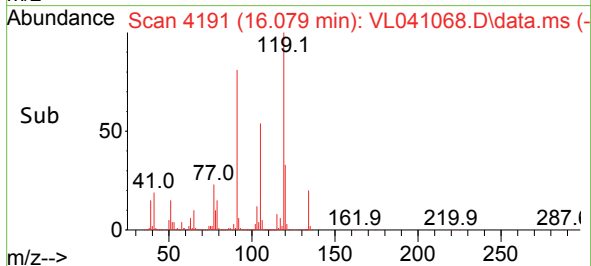
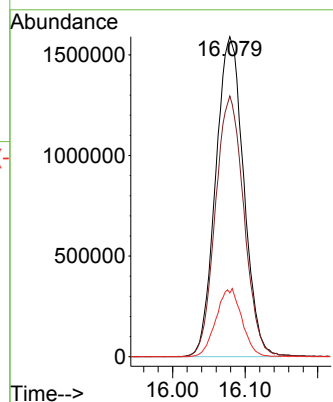
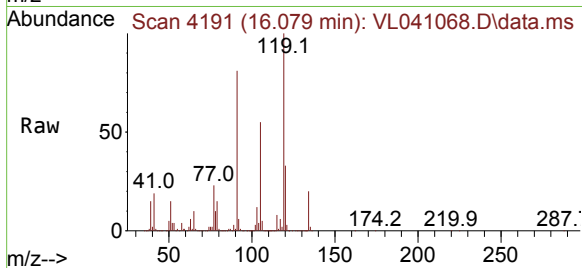
Tgt Ion:119 Resp: 4263699

Ion Ratio Lower Upper

119 100

91 83.0 67.6 101.4

134 19.7 16.1 24.1



#66

Benzyl Chloride

Concen: 10.017 ppbv

RT: 16.314 min Scan# 4264

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

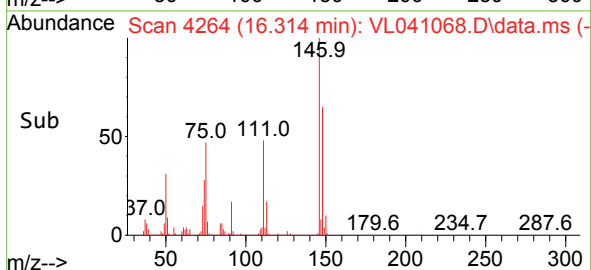
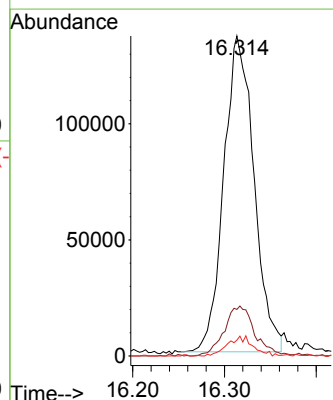
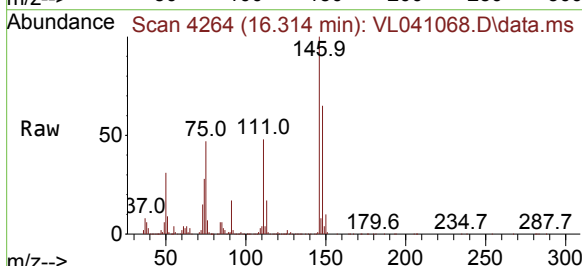
Tgt Ion: 91 Resp: 311068

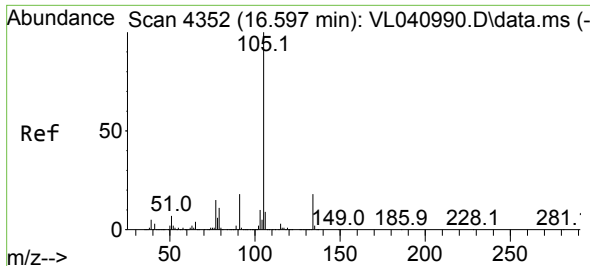
Ion Ratio Lower Upper

91 100

126 16.4 13.6 20.4

128 5.6 4.2 6.2

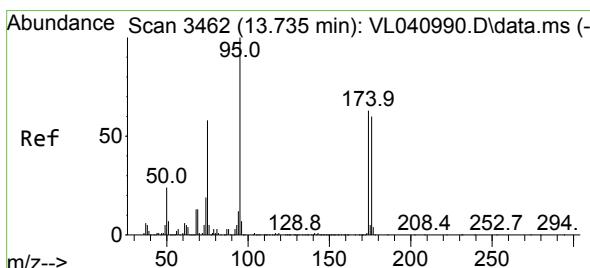
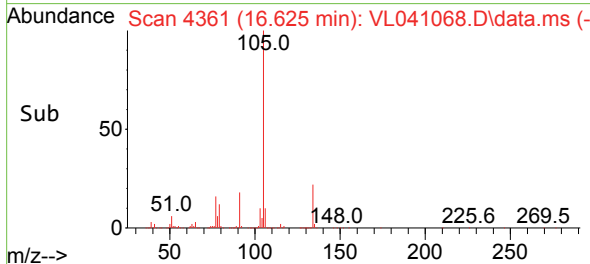
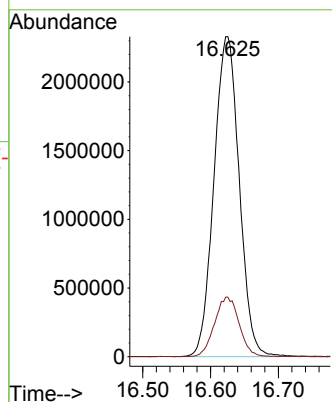
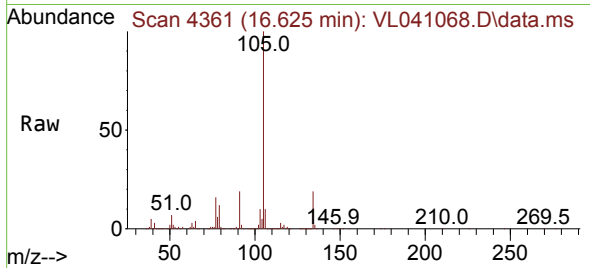




#67
 sec-Butylbenzene
 Concen: 8.735 ppbv
 RT: 16.625 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

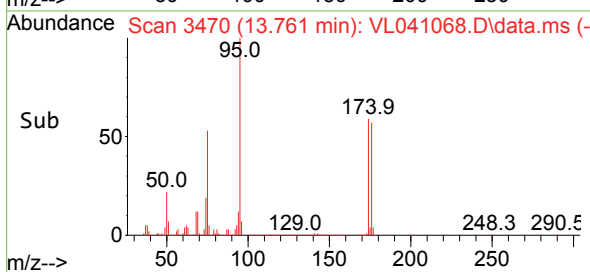
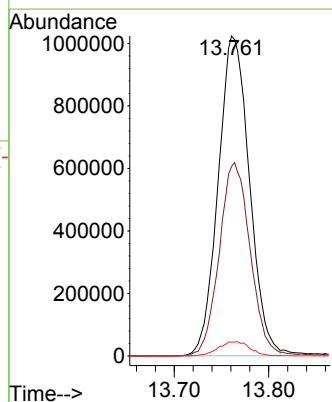
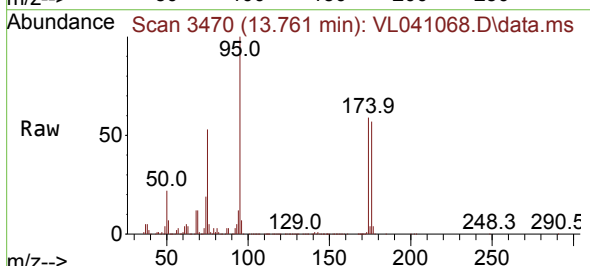
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0215ABS01

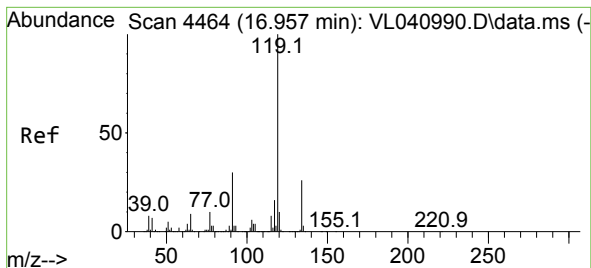
Tgt Ion:105 Resp: 6027327
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.504 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. 0.000 min
 Lab File: VL041068.D
 Acq: 15 Feb 2024 12:49

Tgt Ion: 95 Resp: 2343701
 Ion Ratio Lower Upper
 95 100
 174 60.8 49.1 73.7
 175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.120 ppbv

RT: 16.982 min Scan# 4464

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

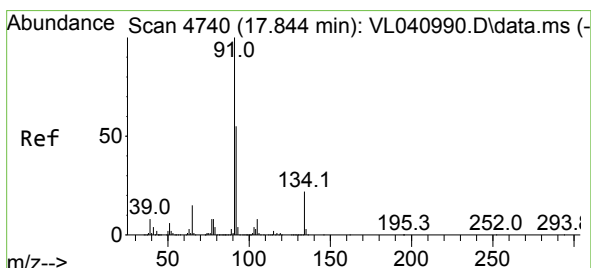
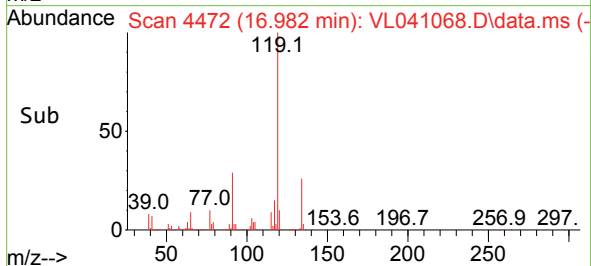
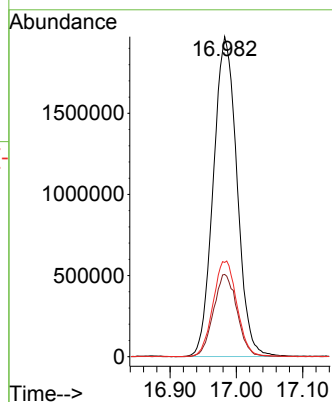
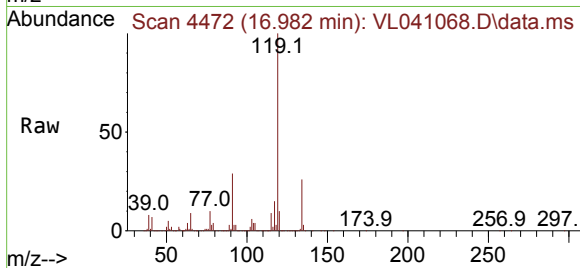
Tgt Ion:119 Resp: 4874466

Ion Ratio Lower Upper

119 100

134 25.8 20.6 30.8

91 30.5 24.5 36.7



#70

n-Butylbenzene

Concen: 8.984 ppbv

RT: 17.876 min Scan# 4750

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

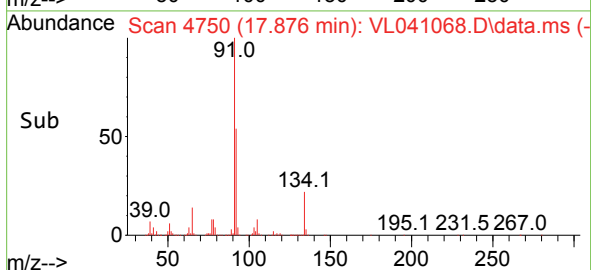
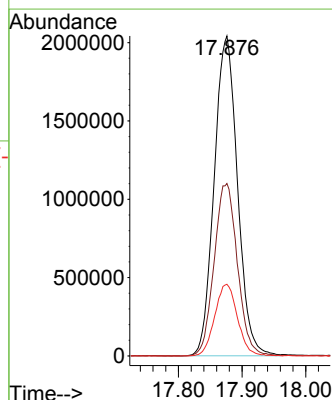
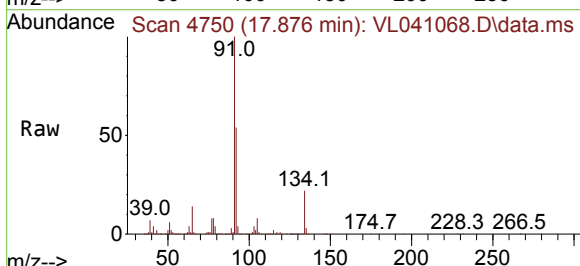
Tgt Ion: 91 Resp: 5189041

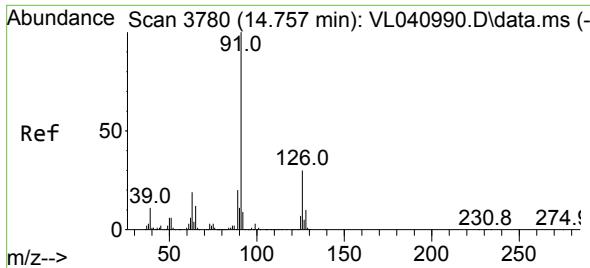
Ion Ratio Lower Upper

91 100

92 54.1 43.4 65.0

134 22.0 17.4 26.0

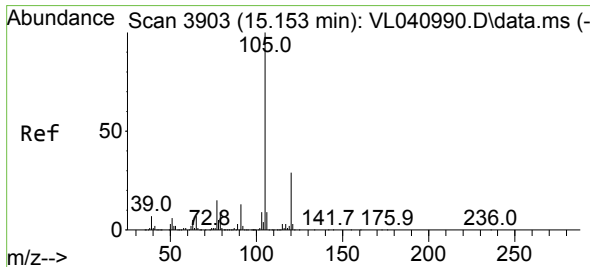
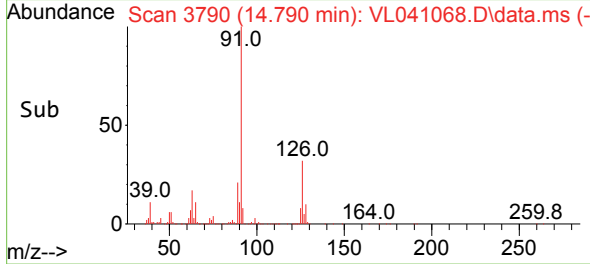
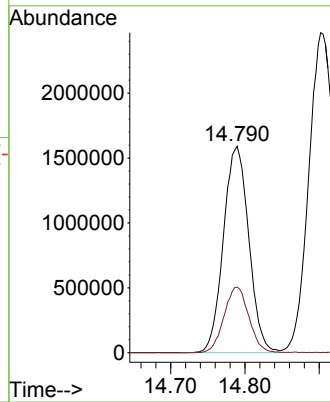
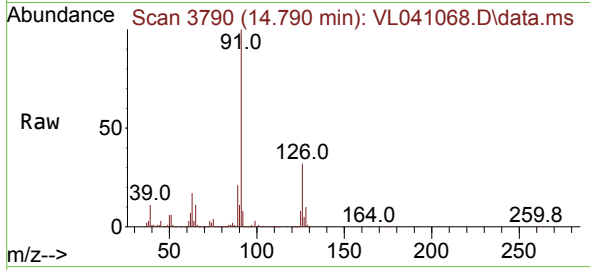




#71
2-Chlorotoluene
Concen: 9.027 ppbv
RT: 14.790 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

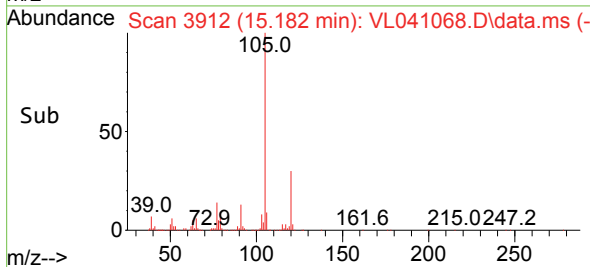
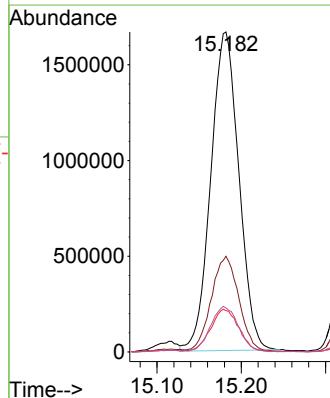
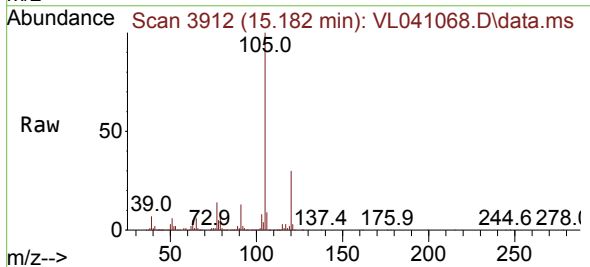
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

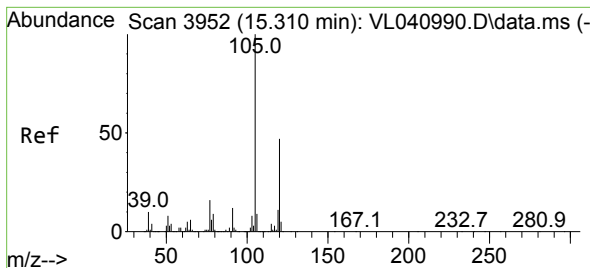
Tgt Ion: 91 Resp: 3777595
Ion Ratio Lower Upper
91 100
126 31.2 12.3 49.1



#72
4-Ethyltoluene
Concen: 9.400 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion: 105 Resp: 3850434
Ion Ratio Lower Upper
105 100
120 30.6 24.3 36.5
91 13.7 11.0 16.4
77 14.9 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 9.218 ppbv

RT: 15.339 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

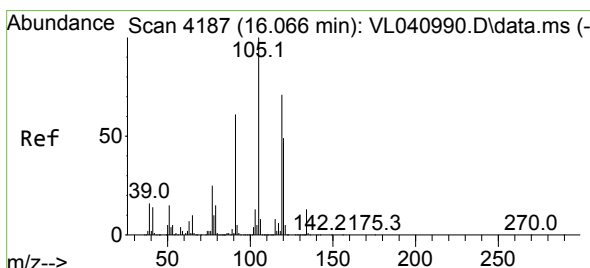
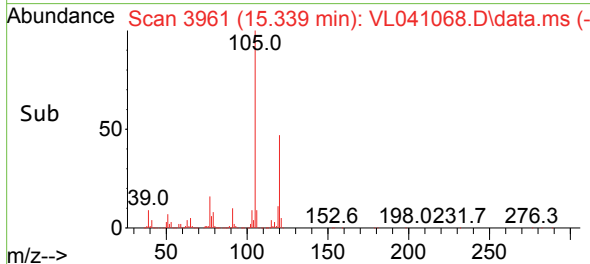
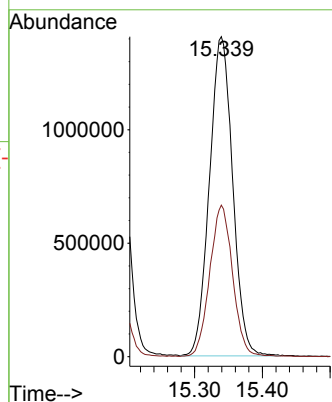
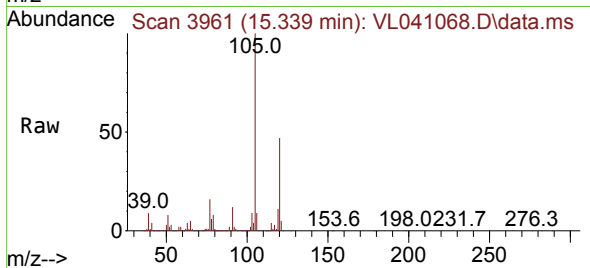
VL0215ABS01

Tgt Ion:105 Resp: 3350936

Ion Ratio Lower Upper

105 100

120 47.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 8.832 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.003 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Tgt Ion:105 Resp: 3639453

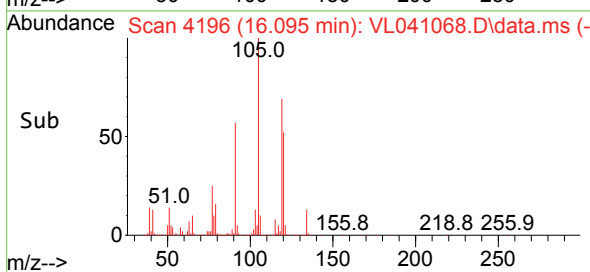
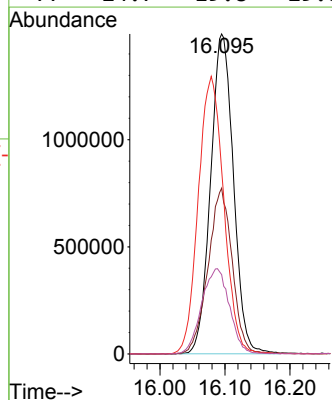
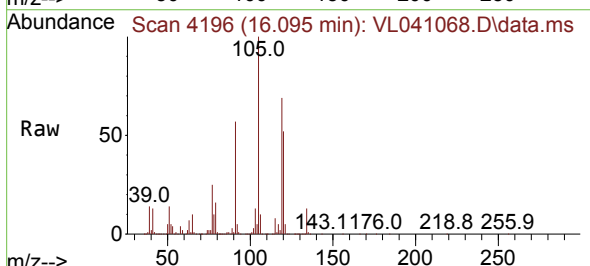
Ion Ratio Lower Upper

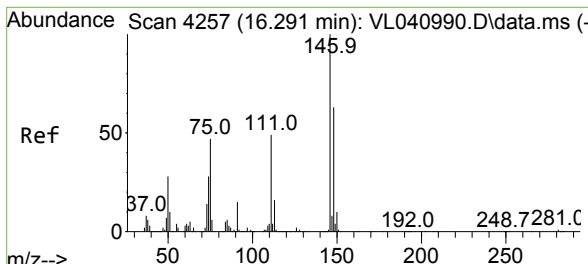
105 100

120 51.6 39.3 58.9

91 57.4 48.7 73.1

77 24.7 19.8 29.8

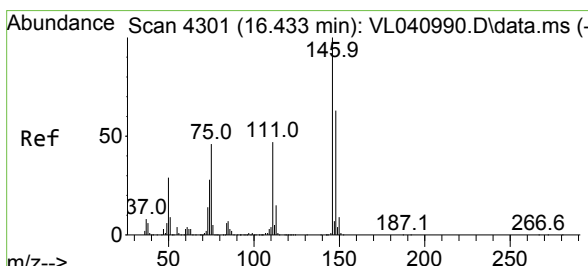
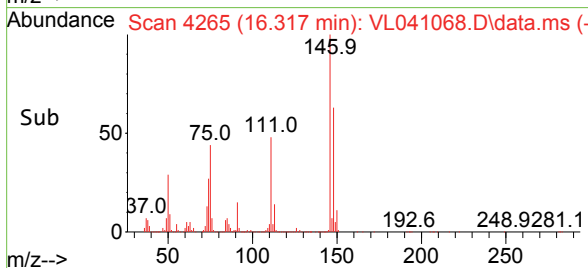
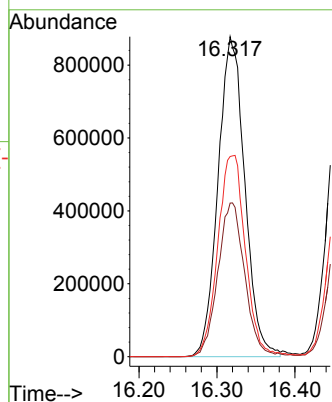
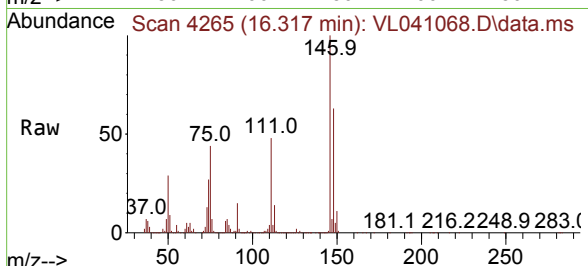




#75
1,3-Dichlorobenzene
Concen: 8.931 ppbv
RT: 16.317 min Scan# 4310
Delta R.T. 0.000 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

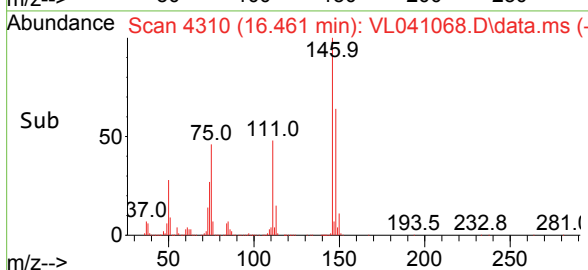
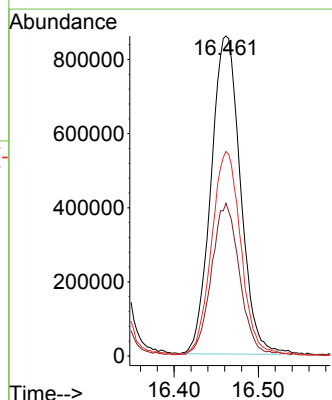
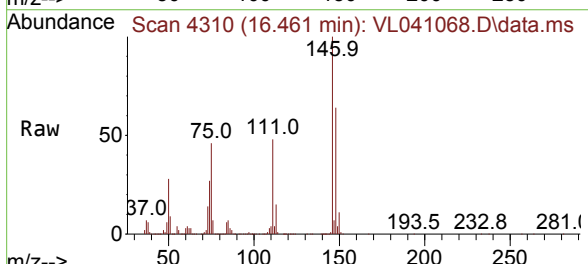
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

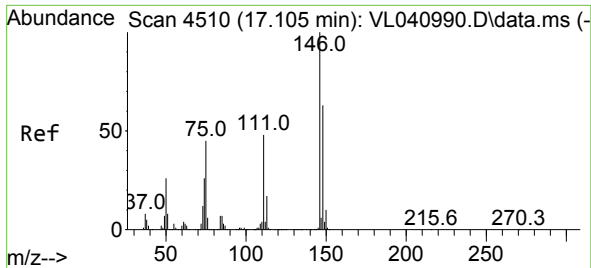
Tgt Ion:146 Resp: 2094467
Ion Ratio Lower Upper
146 100
111 48.4 24.4 73.2
148 65.1 32.5 97.4



#76
1,4-Dichlorobenzene
Concen: 8.950 ppbv
RT: 16.461 min Scan# 4310
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion:146 Resp: 2071142
Ion Ratio Lower Upper
146 100
111 47.1 24.0 72.0
148 64.8 32.9 98.7

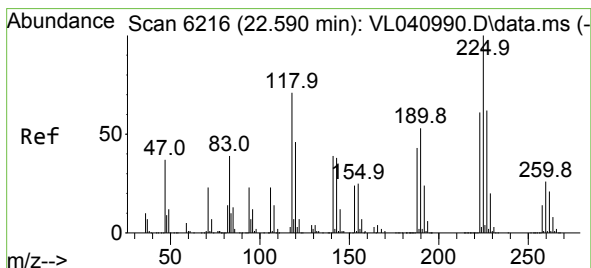
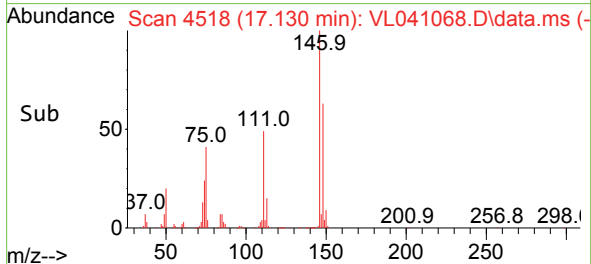
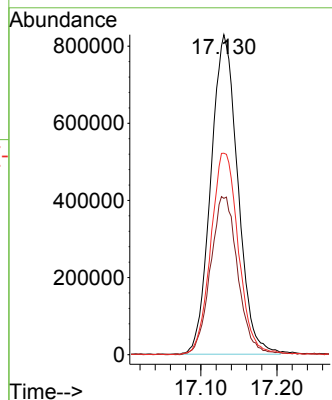
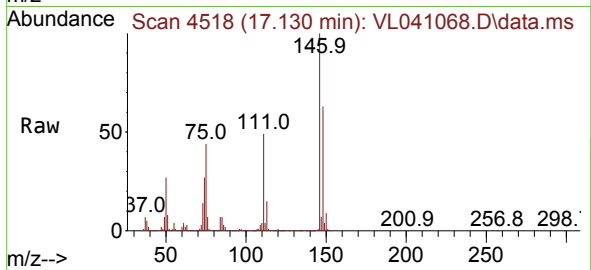




#77
1,2-Dichlorobenzene
Concen: 8.757 ppbv
RT: 17.130 min Scan# 4510
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

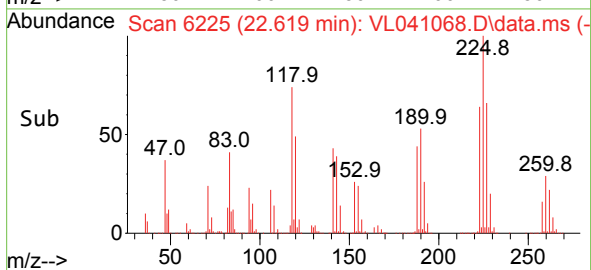
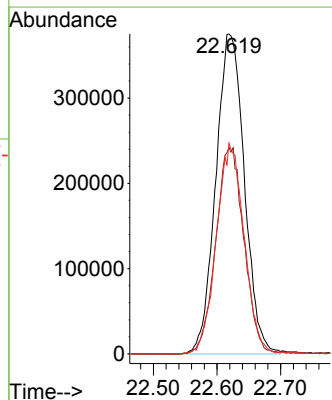
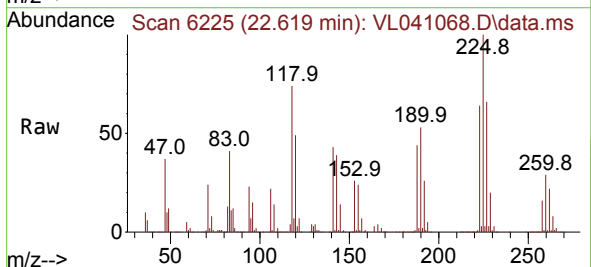
Instrument :
MSVOA_L
ClientSampleId :
VL0215ABS01

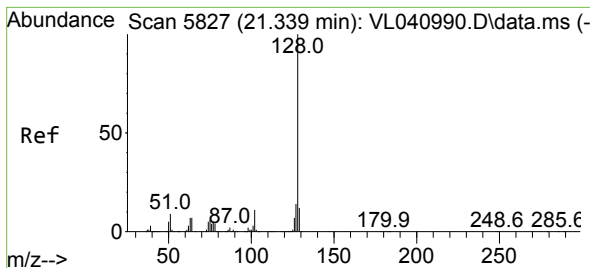
Tgt Ion:146 Resp: 2041351
Ion Ratio Lower Upper
146 100
111 50.6 24.8 74.3
148 65.0 31.8 95.3



#78
Hexachloro-1,3-Butadiene
Concen: 7.796 ppbv
RT: 22.619 min Scan# 6225
Delta R.T. 0.003 min
Lab File: VL041068.D
Acq: 15 Feb 2024 12:49

Tgt Ion:225 Resp: 1171925
Ion Ratio Lower Upper
225 100
223 64.0 51.1 76.7
227 63.9 51.0 76.4





#79

Naphthalene

Concen: 10.764 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. 0.006 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01

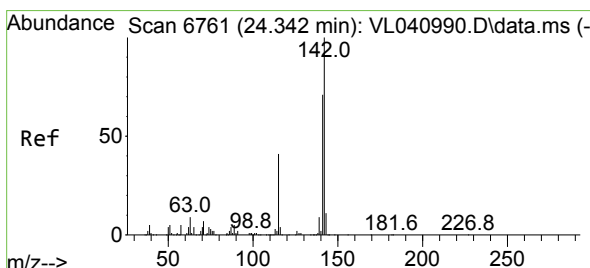
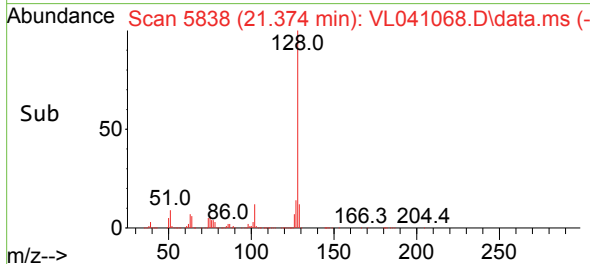
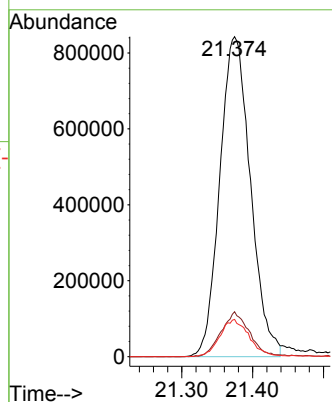
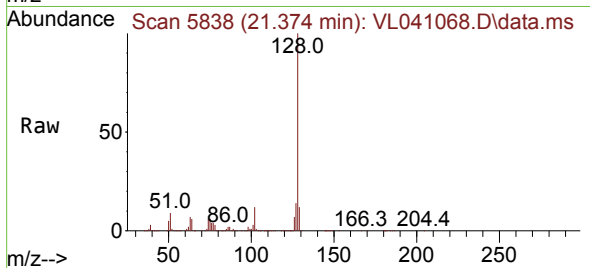
Tgt Ion:128 Resp: 2530359

Ion Ratio Lower Upper

128 100

127 14.1 10.9 16.3

129 11.6 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 12.352 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041068.D

Acq: 15 Feb 2024 12:49

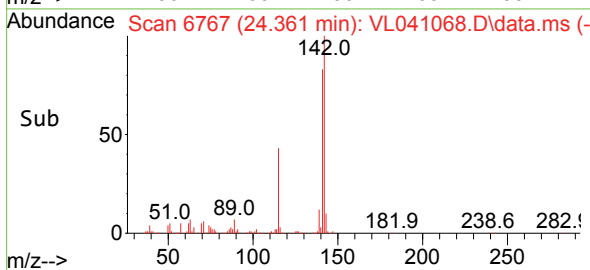
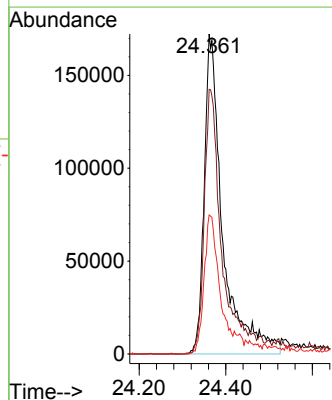
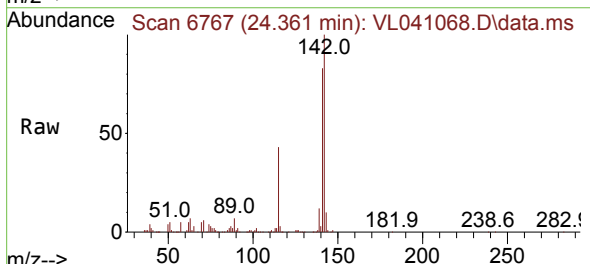
Tgt Ion:142 Resp: 510000

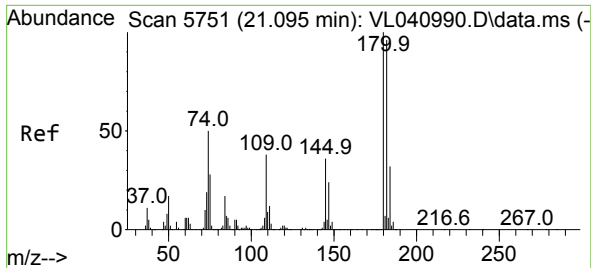
Ion Ratio Lower Upper

142 100

141 84.5 62.7 94.1

115 43.6 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 9.126 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL041068.D

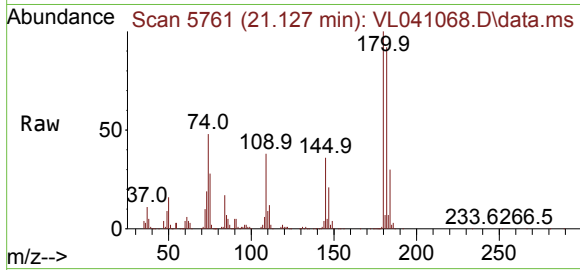
Acq: 15 Feb 2024 12:49

Instrument :

MSVOA_L

ClientSampleId :

VL0215ABS01



Tgt Ion:180 Resp: 1251761

Ion Ratio Lower Upper

180 100

182 97.0 78.6 118.0

184 30.9 24.4 36.6

