

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040982.D
 Acq On : 16 Jan 2024 11:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 17 00:23:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1070152	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3119200	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	3010819	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.790	95	2207013	9.952	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2123552	10.418	ppbv	98
3) Chlorodifluoromethane	2.668	51	1796654	11.156	ppbv	100
4) Chloromethane	2.806	50	670478	11.291	ppbv	94
5) Vinyl Chloride	2.915	62	697492	12.169	ppbv	97
6) Bromomethane	3.118	94	280552	11.033	ppbv	97
7) Chloroethane	3.195	64	234213	11.461	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	1696694	11.552	ppbv	100
9) Propene	2.687	41	612952	11.536	ppbv	100
10) Heptane	7.587	43	1509601	11.429	ppbv	99
11) Trichlorofluoromethane	3.562	101	1901630	11.933	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1358681	10.979	ppbv	97
13) Ethanol	3.240	45	120125	8.961	ppbv	100
14) Bromoethene	3.365	108	548528	12.093	ppbv	100
15) Acetone	3.465	43	1313331	10.233	ppbv	99
16) 1,3-Butadiene	2.980	39	660172	11.946	ppbv	100
17) tert-Butyl alcohol	3.877	59	1274174	13.420	ppbv	99
18) 1,1-Dichloroethene	3.880	96	607437	11.888	ppbv	98
19) Isopropyl Alcohol	3.574	45	839603	12.537	ppbv	99
20) Methylene Chloride	3.935	84	507679	11.097	ppbv	95
21) Allyl Chloride	3.996	41	867248	11.431	ppbv	98
22) trans-1,2-Dichloroethene	4.449	96	644722	11.065	ppbv	91
23) Vinyl Acetate	4.629	43	1442095	10.185	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1268115	10.012	ppbv	99
25) Ethyl Acetate	5.208	43	2223416	9.998	ppbv	99
26) Hexane	5.218	57	974410	9.886	ppbv	98
27) Carbon Disulfide	4.124	76	1507546	11.302	ppbv	96
28) Methyl tert-Butyl Ether	4.587	73	941523	10.294	ppbv	99
29) Chloroform	5.279	83	1497939	9.006	ppbv	99
30) Cyclohexane	6.610	84	931114	11.331	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	983038	9.709	ppbv	94
32) 1,1,1-Trichloroethane	6.008	97	1849755	11.503	ppbv	99
34) 2-Butanone	4.787	43	1432060	8.679	ppbv	100
35) Carbon Tetrachloride	6.500	117	1980079	10.136	ppbv	99
36) Benzene	6.375	78	2369436	9.717	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1437139	9.836	ppbv	100
38) Trichloroethene	7.298	130	932000	10.177	ppbv	99
39) 1,2-Dichloropropane	7.079	63	930789	9.714	ppbv	98
40) 1,4-Dioxane	7.291	88	375940	9.292	ppbv	97
41) Tetrahydrofuran	5.562	42	967088	9.633	ppbv	98
42) Bromodichloromethane	7.256	83	2078025	9.861	ppbv	99
43) Methyl Methacrylate	7.478	69	981413	10.261	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3909912	9.440	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	767992	10.823	ppbv	99

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

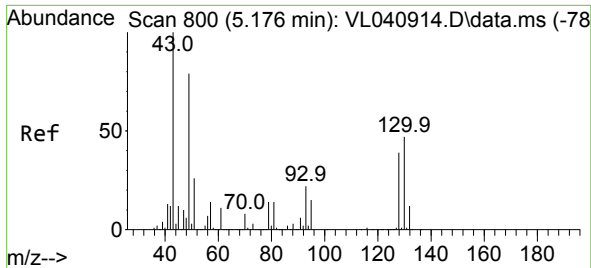
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jan 17 00:20:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	914453	10.409	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	981262	9.654	ppbv	95
48) Dibromochloromethane	9.719	129	1738745	10.021	ppbv	100
49) Bromoform	12.417	173	1388210	10.370	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2477624	9.915	ppbv	99
51) 2-Hexanone	9.558	43	1833347	10.193	ppbv #	100
52) Tetrachloroethene	10.626	164	808299	9.840	ppbv	96
53) Toluene	9.230	91	2697832	9.978	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1406451	10.083	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.520	131	1257310	9.550	ppbv	99
57) Chlorobenzene	11.539	112	2056262	9.274	ppbv	97
58) Ethyl Benzene	12.098	91	3656720	9.456	ppbv	99
59) m/p-Xylene	12.384	91	3390931	10.309	ppbv #	100
60) o-Xylene	13.072	91	2918687	9.417	ppbv	100
61) Styrene	12.912	104	1513184	10.271	ppbv	100
62) Isopropylbenzene	14.040	105	4258896	9.266	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2100787	9.409	ppbv	99
64) n-propylbenzene	14.931	120	1104575	9.581	ppbv	99
65) tert-Butylbenzene	16.105	119	3732748	9.554	ppbv	100
66) Benzyl Chloride	16.339	91	192119	7.186	ppbv	98
67) sec-Butylbenzene	16.651	105	5213170	9.182	ppbv	100
69) p-Isopropyltoluene	17.008	119	4177797	9.467	ppbv	99
70) n-Butylbenzene	17.899	91	4372696	9.544	ppbv	100
71) 2-Chlorotoluene	14.812	91	3300336	9.324	ppbv	100
72) 4-Ethyltoluene	15.204	105	3368737	9.904	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2839844	9.673	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	3157261	9.663	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	1766598	9.465	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1721683	9.430	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1673753	9.309	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	905502	8.188	ppbv	100
79) Naphthalene	21.403	128	2086706	13.255	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	395211	13.734	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1007355	11.145	ppbv	97

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

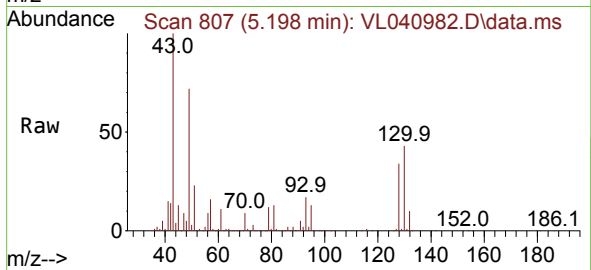
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QLast Update : Wed Jan 17 00:20:56 2024
Response via : Initial Calibration





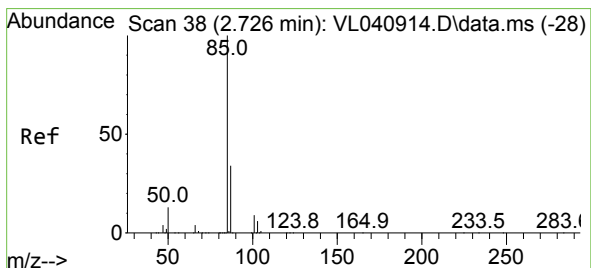
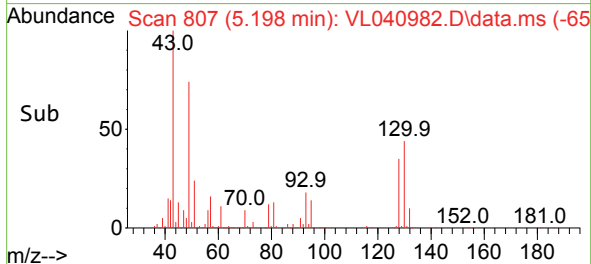
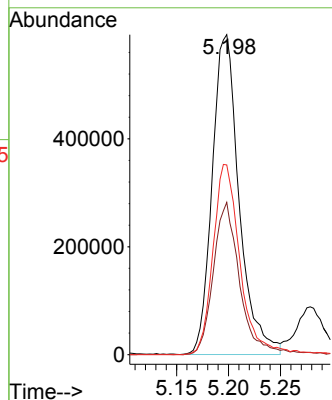
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 49 Resp: 1070152

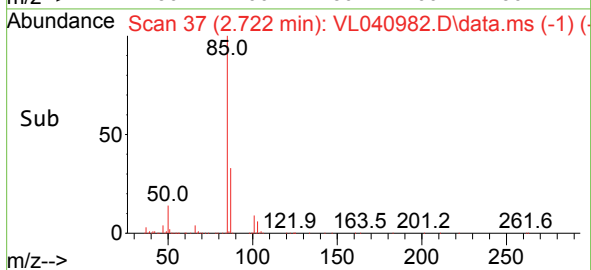
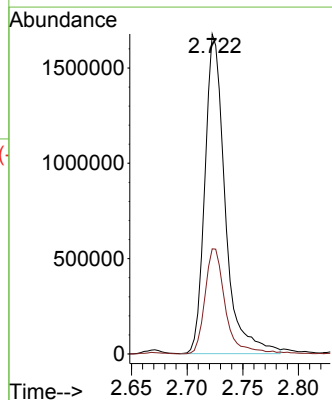
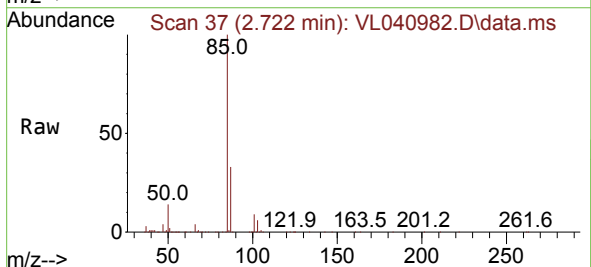
Ion	Ratio	Lower	Upper
49	100		
128	47.3	23.8	71.2
130	60.4	30.1	90.5

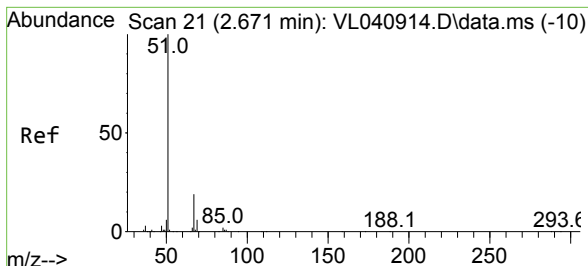


#2
 Dichlorodifluoromethane
 Concen: 10.418 ppbv
 RT: 2.722 min Scan# 37
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Tgt Ion: 85 Resp: 2123552

Ion	Ratio	Lower	Upper
85	100		
87	32.9	27.0	40.6

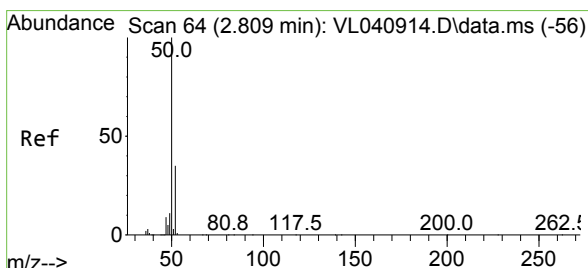
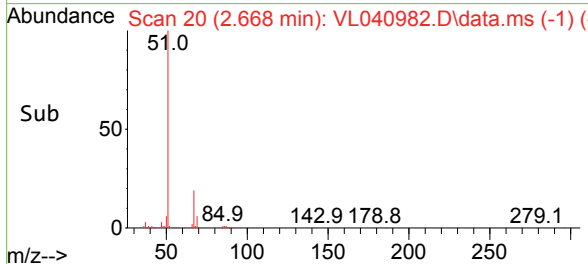
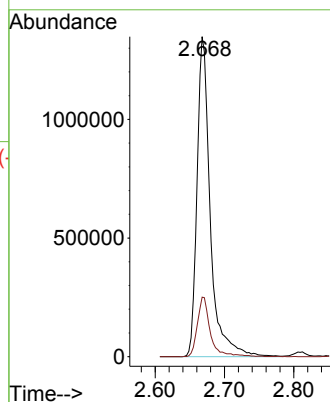
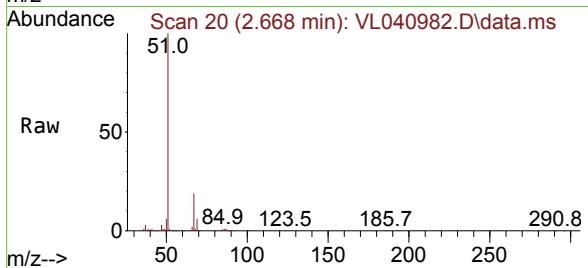




#3
Chlorodifluoromethane
Concen: 11.156 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

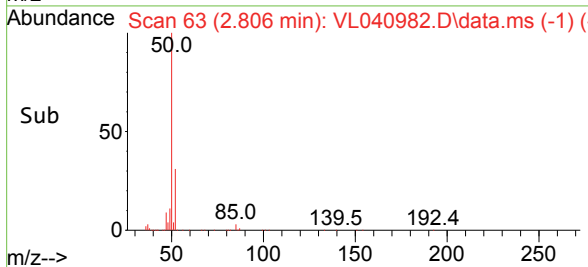
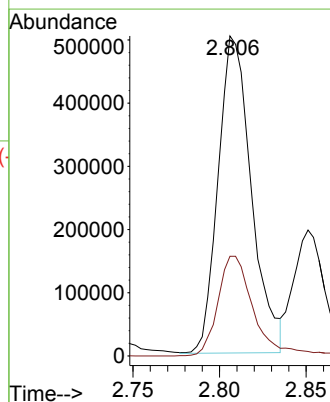
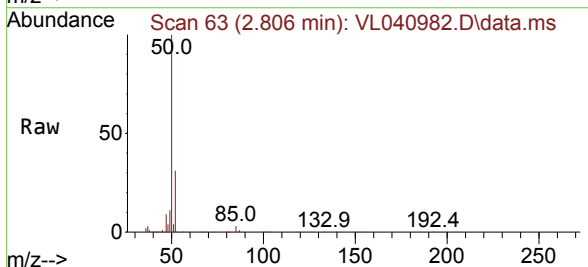
Instrument :
MSVOA_L
ClientSampleId :

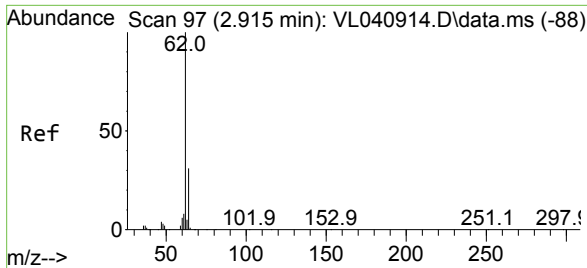
Tgt Ion: 51 Resp: 1796654
Ion Ratio Lower Upper
51 100
67 18.4 14.7 22.1



#4
Chloromethane
Concen: 11.291 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 50 Resp: 670478
Ion Ratio Lower Upper
50 100
52 31.4 28.0 42.0

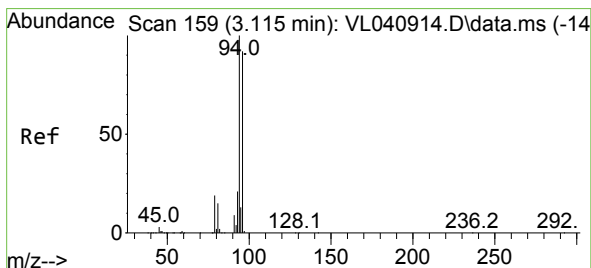
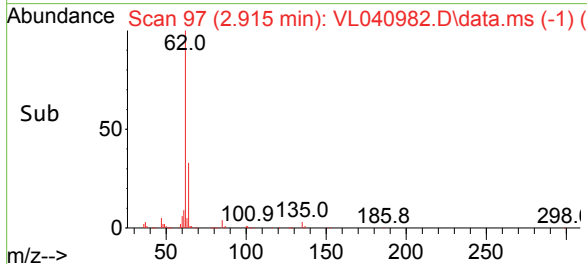
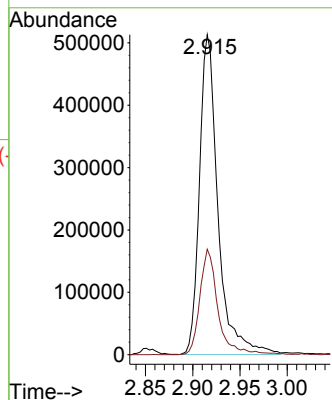
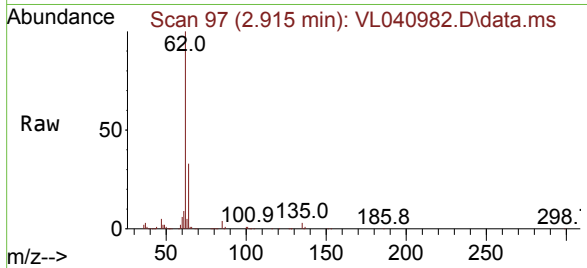




#5
 Vinyl Chloride
 Concen: 12.169 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

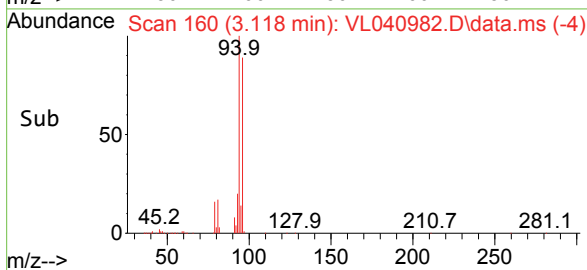
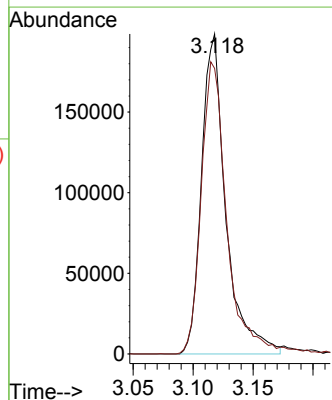
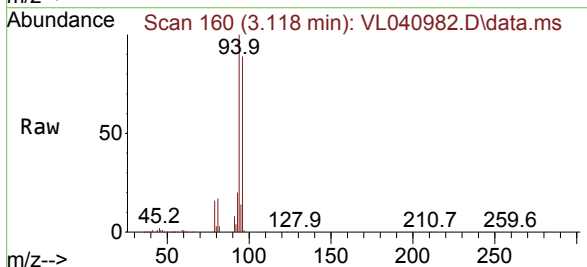
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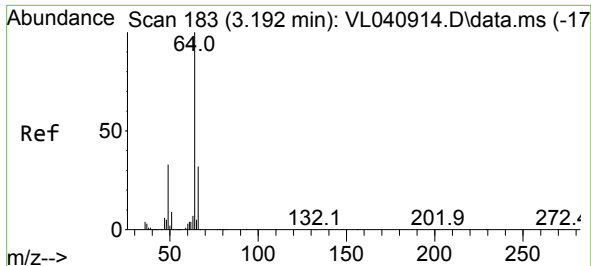
Tgt Ion: 62 Resp: 697492
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.9 37.3



#6
 Bromomethane
 Concen: 11.033 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Tgt Ion: 94 Resp: 280552
 Ion Ratio Lower Upper
 94 100
 96 89.0 73.2 109.8

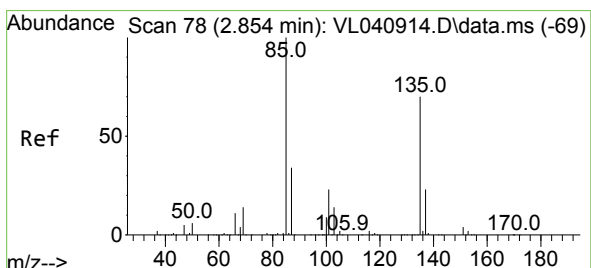
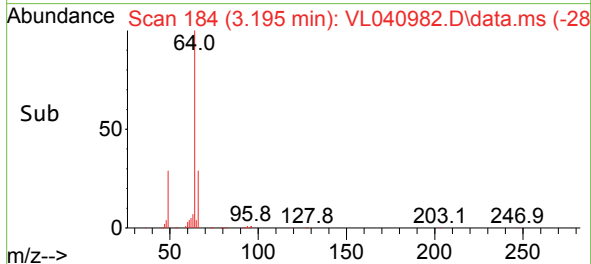
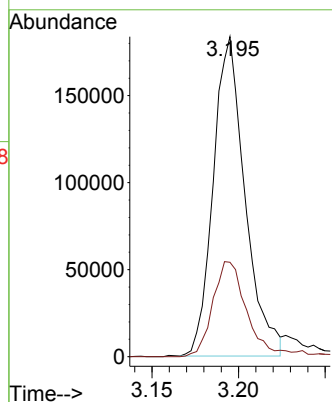
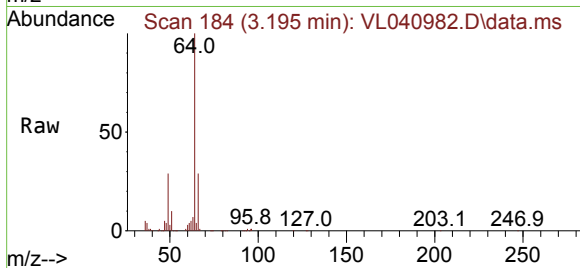




#7
Chloroethane
Concen: 11.461 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

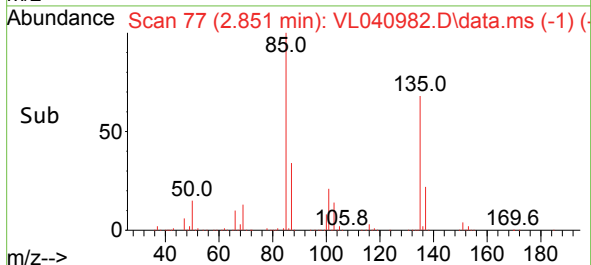
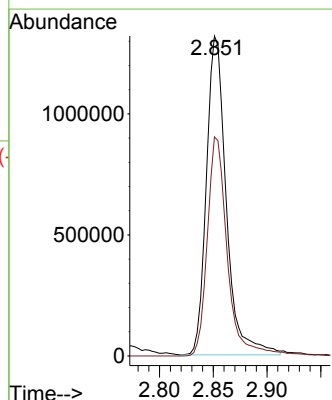
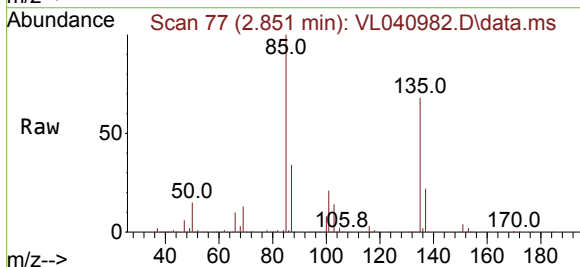
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ClientSampleId :

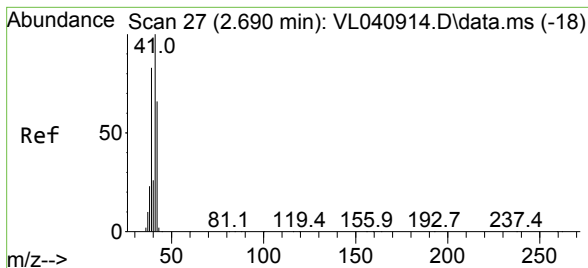
Tgt Ion: 64 Resp: 234213
Ion Ratio Lower Upper
64 100
66 29.5 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 11.552 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 85 Resp: 1696694
Ion Ratio Lower Upper
85 100
135 69.9 55.8 83.8





#9

Propene

Concen: 11.536 ppbv

RT: 2.687 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

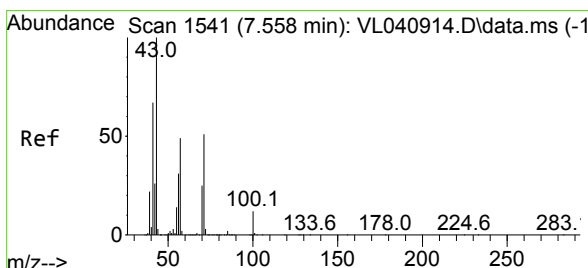
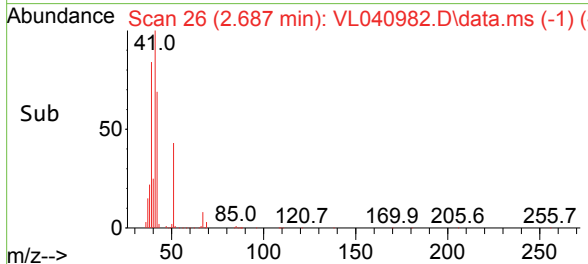
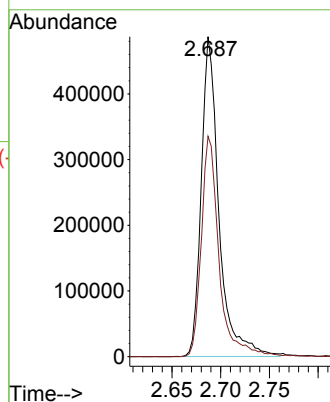
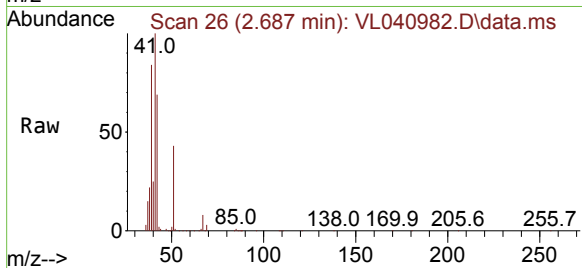
ClientSampleId :

Tgt Ion: 41 Resp: 612952

Ion Ratio Lower Upper

41 100

42 69.8 55.8 83.6



#10

Heptane

Concen: 11.429 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.000 min

Lab File: VL040982.D

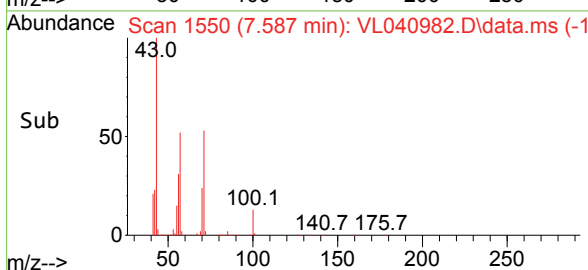
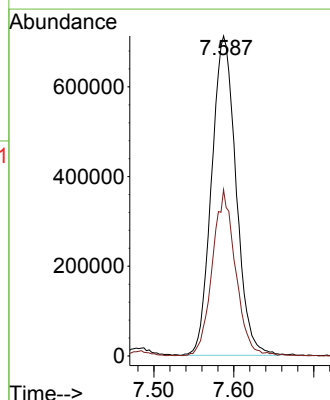
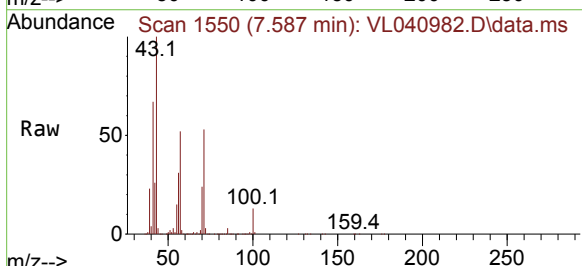
Acq: 16 Jan 2024 11:29

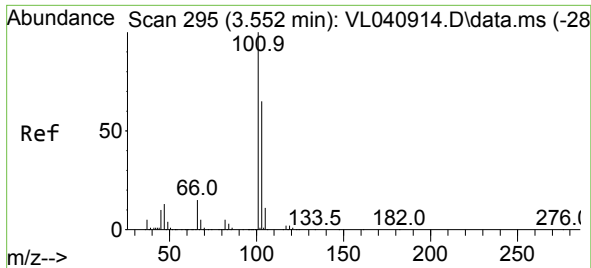
Tgt Ion: 43 Resp: 1509601

Ion Ratio Lower Upper

43 100

57 49.7 39.3 58.9

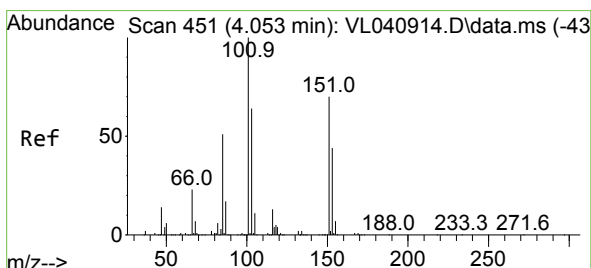
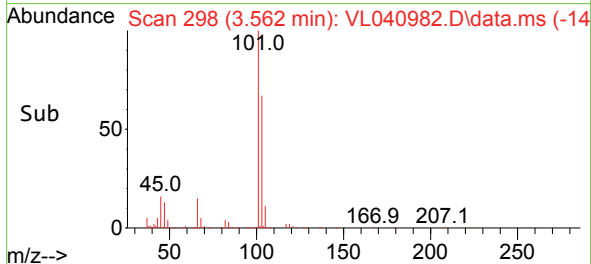
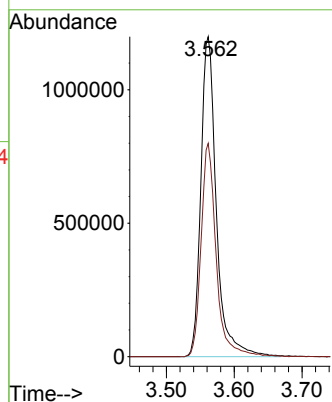
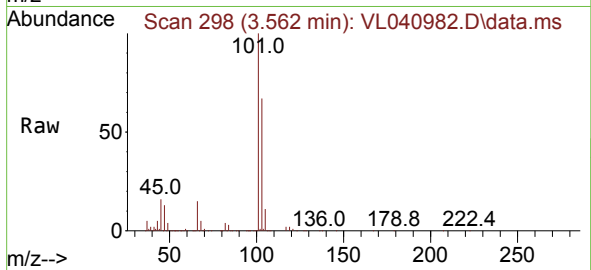




#11
 Trichlorofluoromethane
 Concen: 11.933 ppbv
 RT: 3.562 min Scan# 295
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

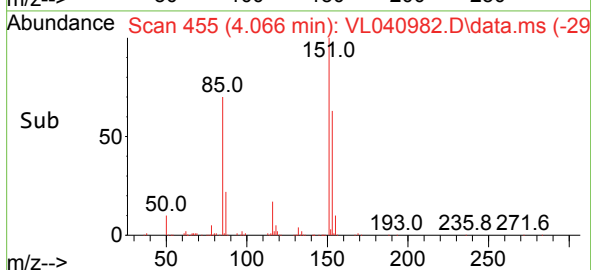
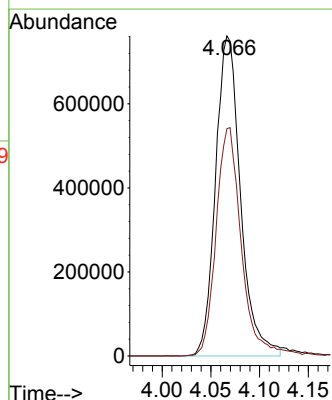
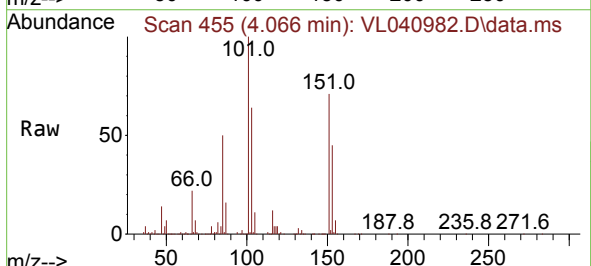
Instrument :
 MSVOA_L
 ClientSampleId :

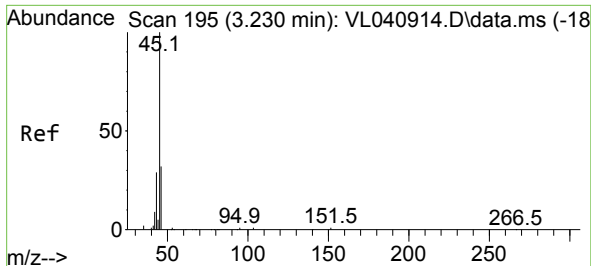
Tgt Ion:101 Resp: 1901630
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.979 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Tgt Ion:101 Resp: 1358681
 Ion Ratio Lower Upper
 101 100
 151 72.6 55.8 83.8

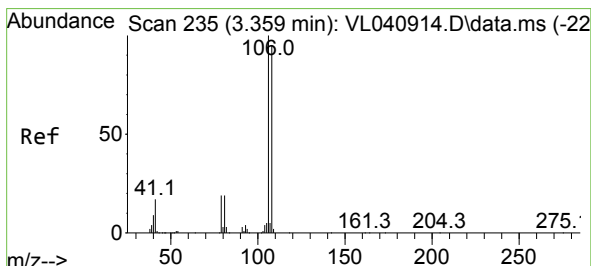
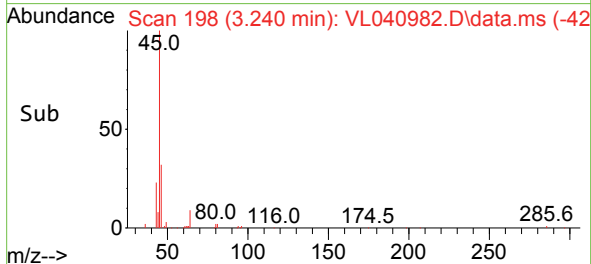
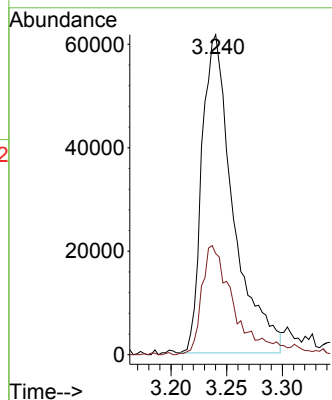
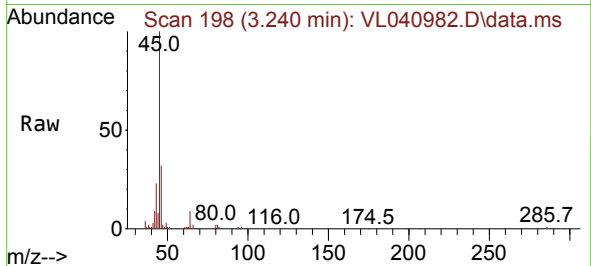




#13
Ethanol
Concen: 8.961 ppbv
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

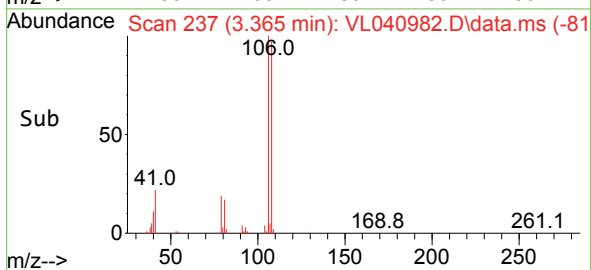
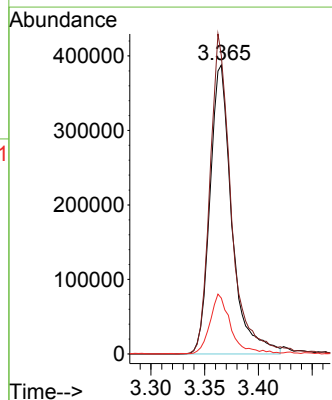
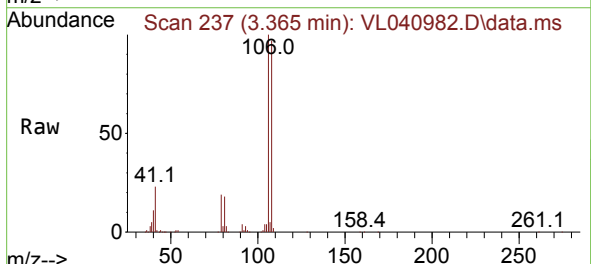
Instrument :
MSVOA_L
ClientSampleId :

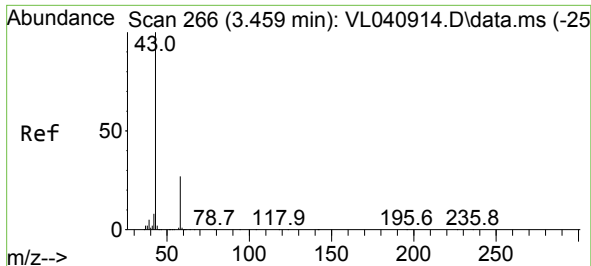
Tgt Ion: 45 Resp: 120125
Ion Ratio Lower Upper
45 100
46 37.5 15.0 60.0



#14
Bromoethene
Concen: 12.093 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion:108 Resp: 548528
Ion Ratio Lower Upper
108 100
106 109.5 87.5 131.3
79 20.0 16.6 24.8

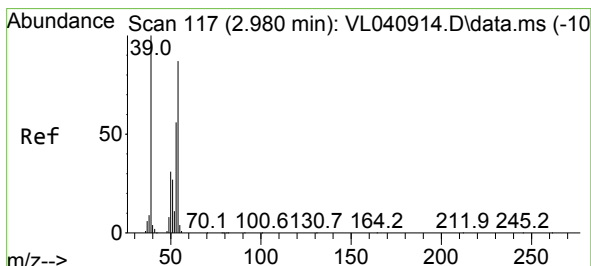
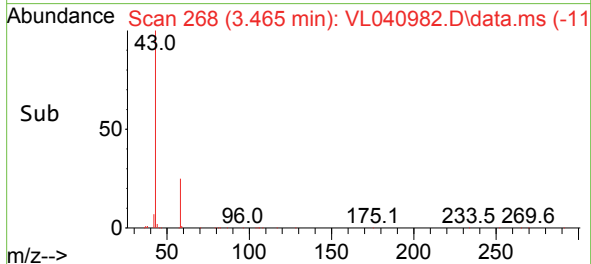
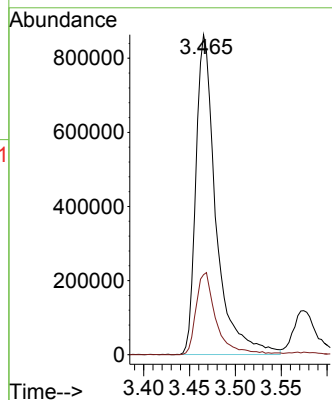
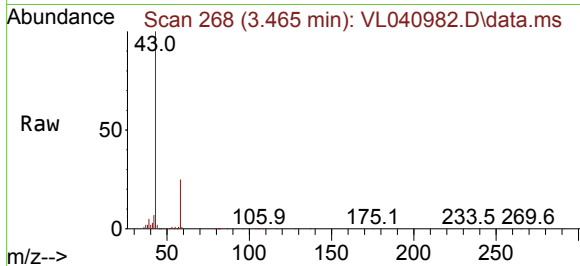




#15
Acetone
Concen: 10.233 ppbv
RT: 3.465 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

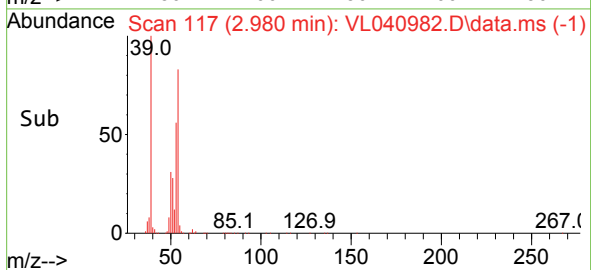
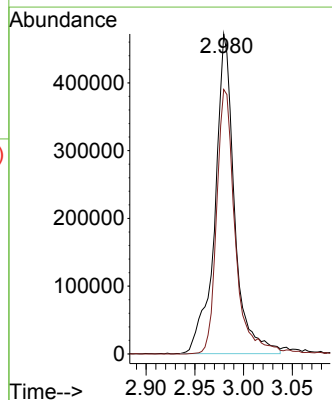
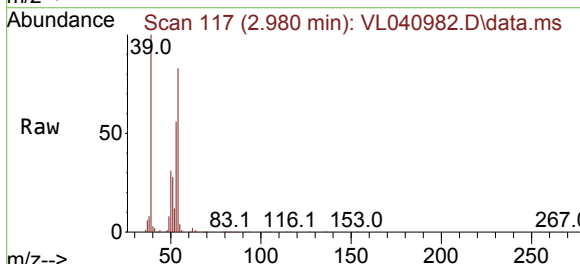
Instrument :
MSVOA_L
ClientSampleId :

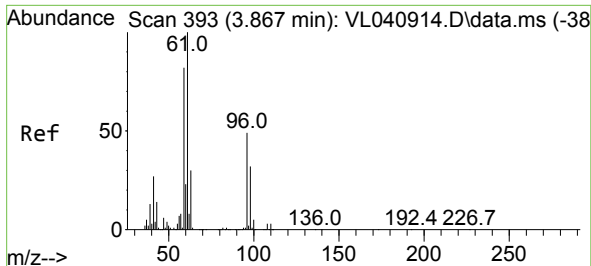
Tgt Ion: 43 Resp: 1313331
Ion Ratio Lower Upper
43 100
58 26.0 20.6 30.8



#16
1,3-Butadiene
Concen: 11.946 ppbv
RT: 2.980 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 39 Resp: 660172
Ion Ratio Lower Upper
39 100
54 79.4 63.8 95.6





#17

tert-Butyl alcohol

Concen: 13.420 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

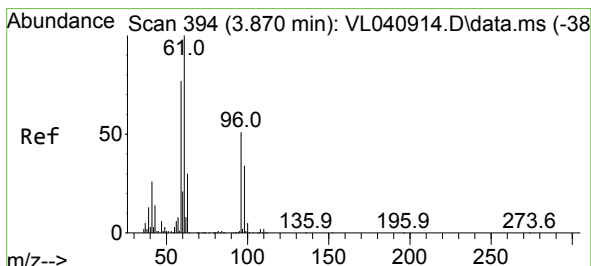
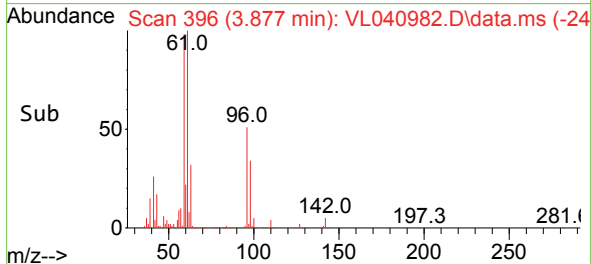
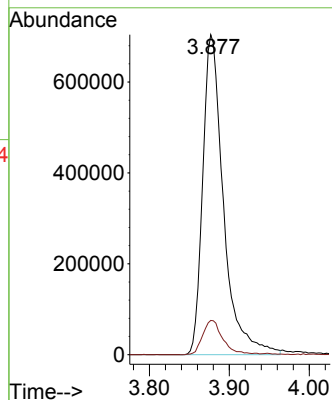
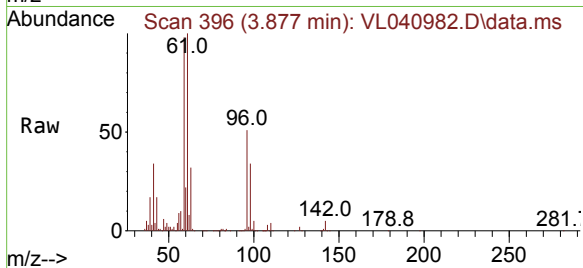
ClientSampleId :

Tgt Ion: 59 Resp: 1274174

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 11.888 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

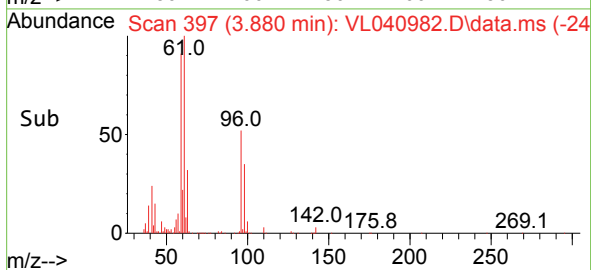
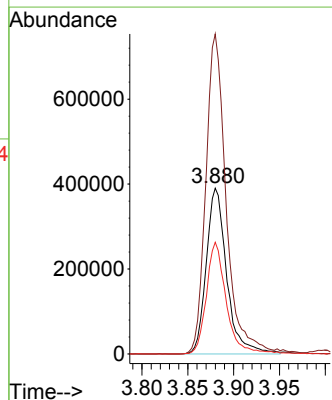
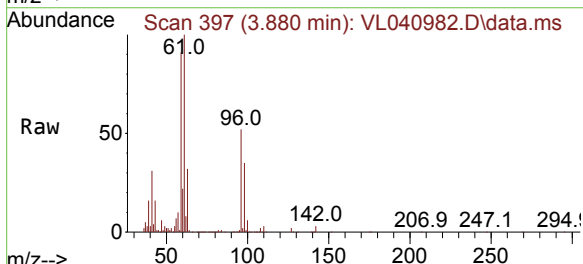
Tgt Ion: 96 Resp: 607437

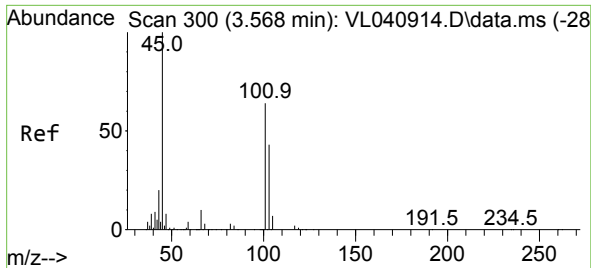
Ion Ratio Lower Upper

96 100

61 192.9 156.6 235.0

98 67.4 52.5 78.7

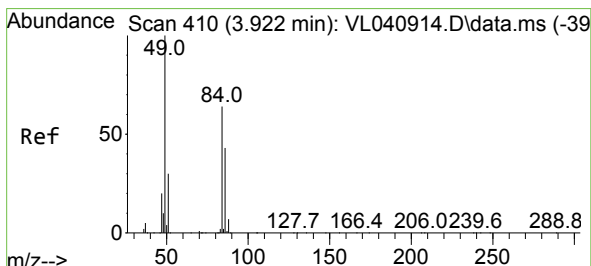
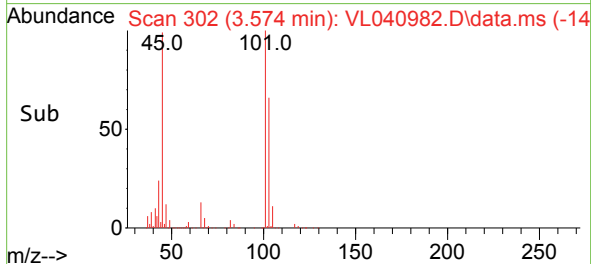
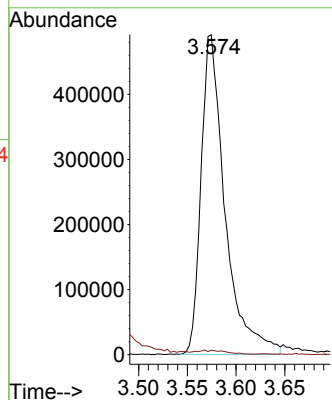
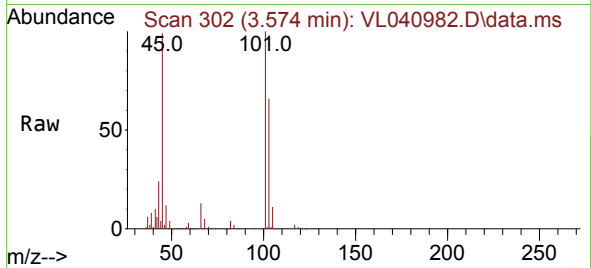




#19
Isopropyl Alcohol
Concen: 12.537 ppbv
RT: 3.574 min Scan# 300
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

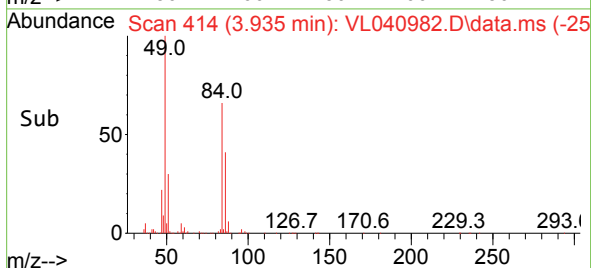
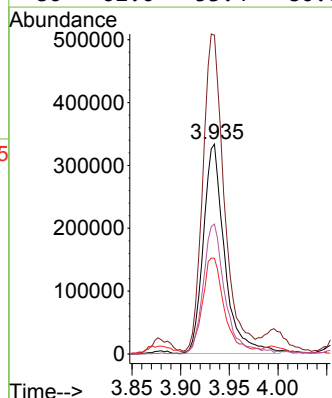
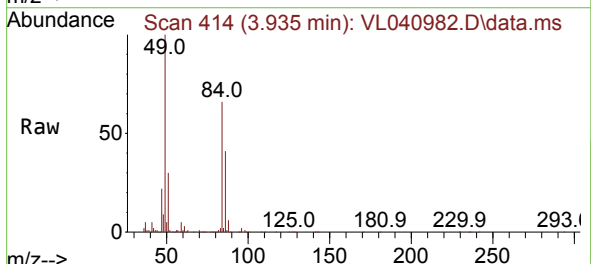
Instrument :
MSVOA_L
ClientSampleId :

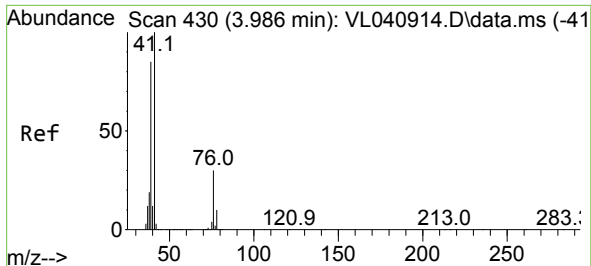
Tgt Ion: 45 Resp: 839603
Ion Ratio Lower Upper
45 100
58 1.6 1.5 2.3



#20
Methylene Chloride
Concen: 11.097 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 84 Resp: 507679
Ion Ratio Lower Upper
84 100
49 150.2 124.6 187.0
51 44.4 37.2 55.8
86 62.0 53.4 80.0

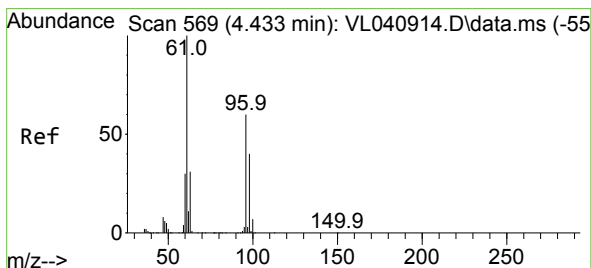
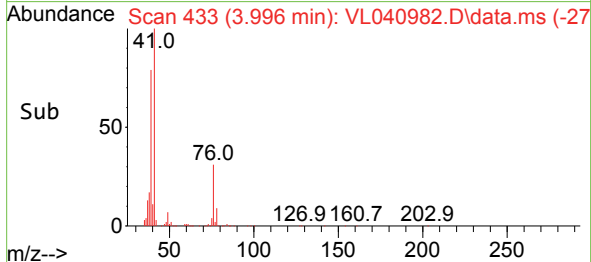
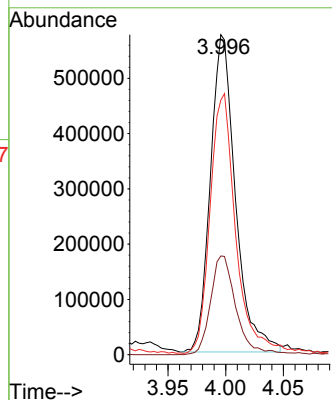
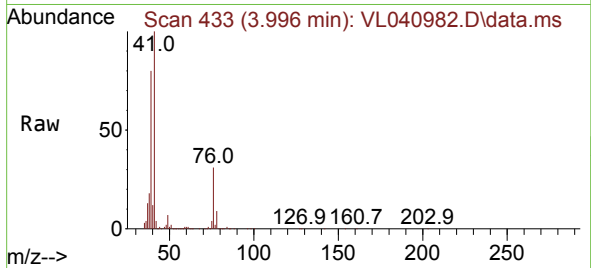




#21
 Allyl Chloride
 Concen: 11.431 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

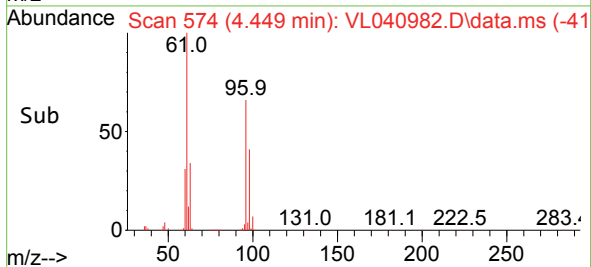
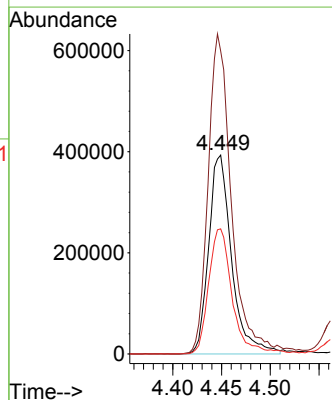
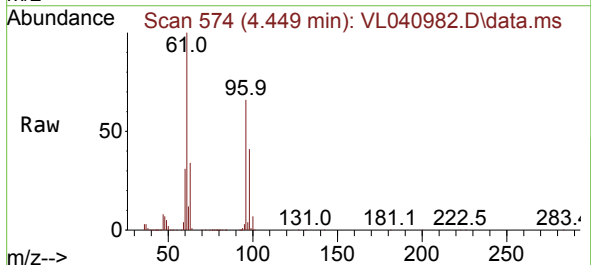
Instrument :
 MSVOA_L
 ClientSampleId :

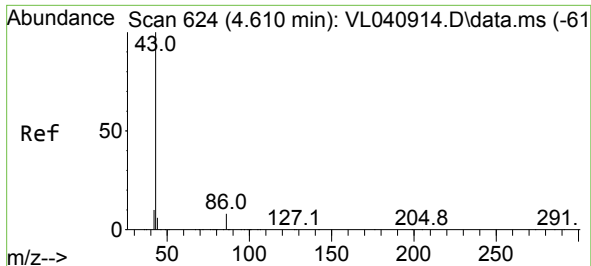
Tgt Ion: 41 Resp: 867248
 Ion Ratio Lower Upper
 41 100
 76 31.7 23.9 35.9
 39 84.8 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 11.065 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

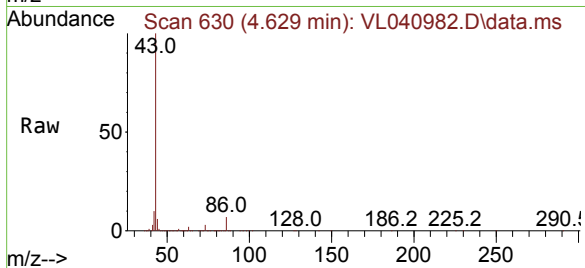
Tgt Ion: 96 Resp: 644722
 Ion Ratio Lower Upper
 96 100
 61 152.2 133.0 199.6
 98 62.8 53.7 80.5





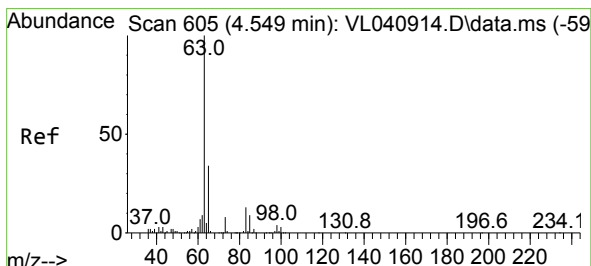
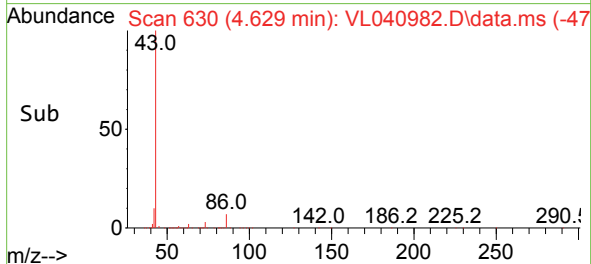
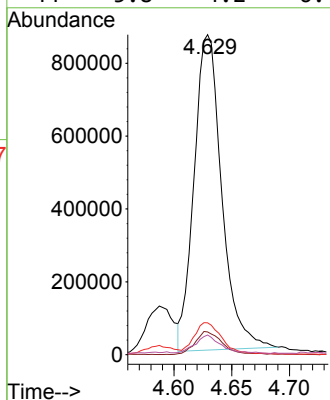
#23
 Vinyl Acetate
 Concen: 10.185 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1442095

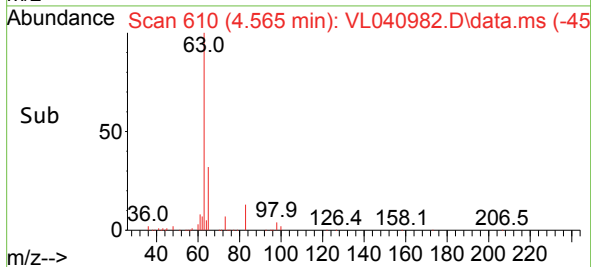
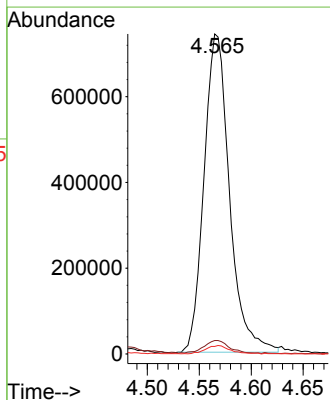
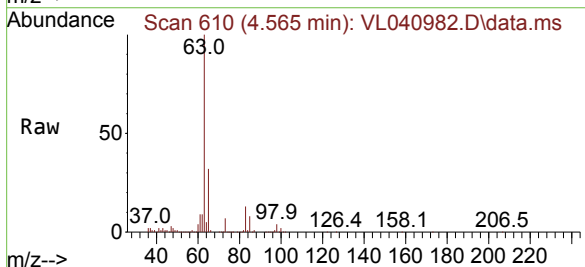
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.5	8.3
42	9.9	8.4	12.6
44	5.8	4.2	6.4

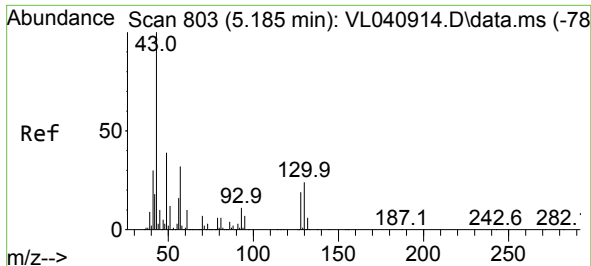


#24
 1,1-Dichloroethane
 Concen: 10.012 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Tgt Ion: 63 Resp: 1268115

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.3	1.4	4.2

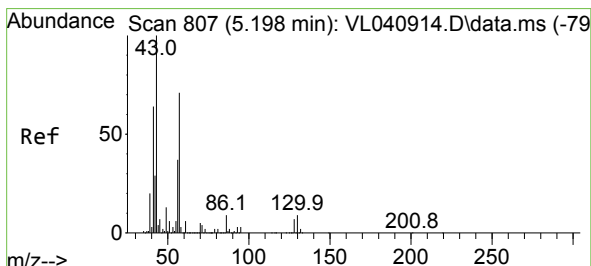
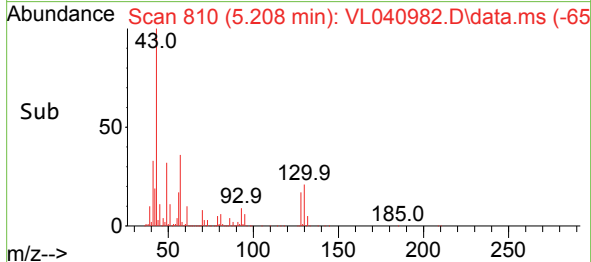
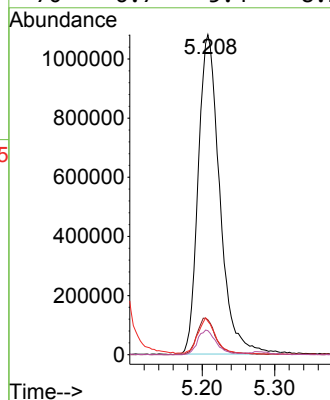
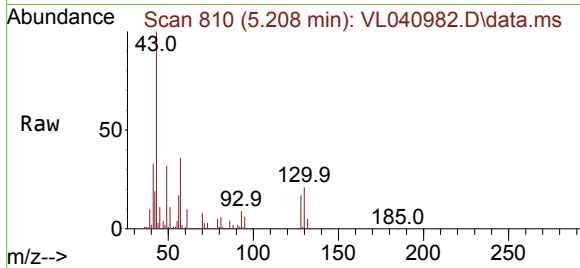




#25
Ethyl Acetate
Concen: 9.998 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

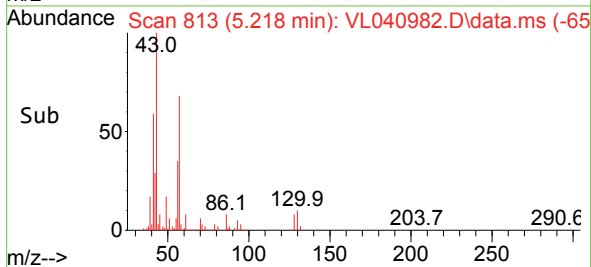
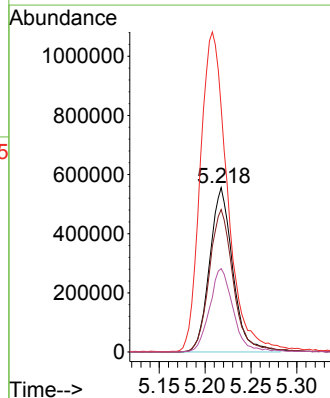
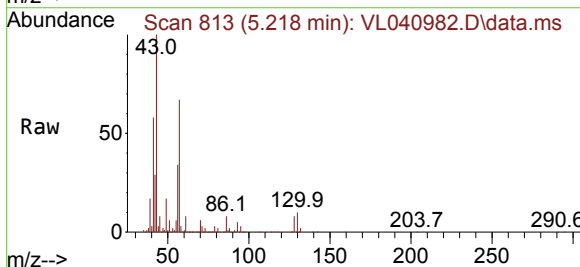
Instrument :
MSVOA_L
ClientSampleId :

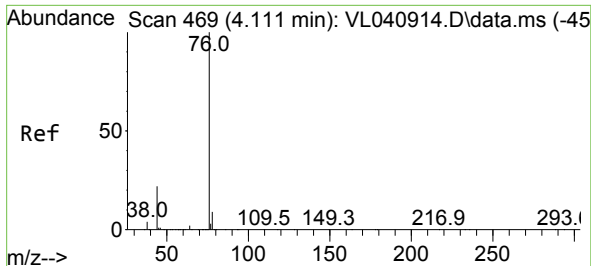
Tgt Ion: 43 Resp: 2223416
Ion Ratio Lower Upper
43 100
45 10.5 8.2 12.2
61 10.1 7.6 11.4
70 6.7 5.4 8.2



#26
Hexane
Concen: 9.886 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 57 Resp: 974410
Ion Ratio Lower Upper
57 100
41 91.3 75.2 112.8
43 231.0 188.0 282.0
56 52.3 42.3 63.5

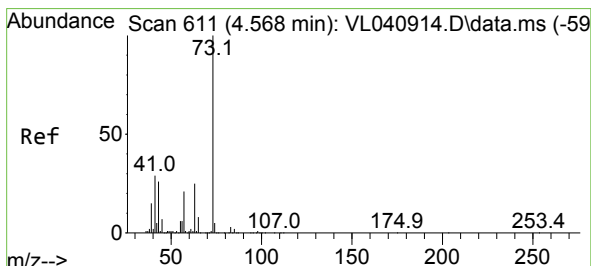
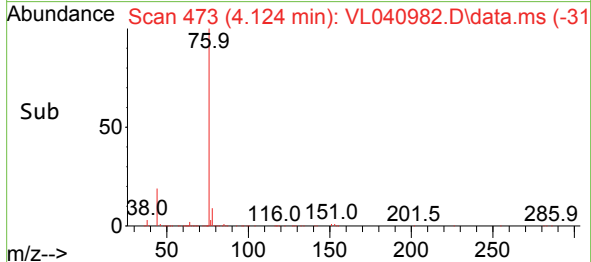
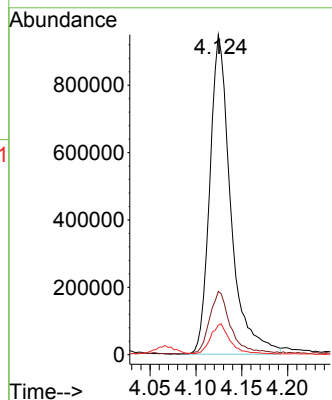
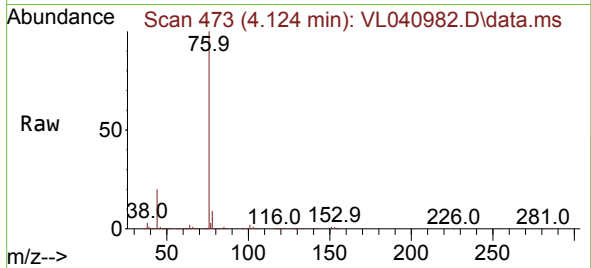




#27
Carbon Disulfide
Concen: 11.302 ppbv
RT: 4.124 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

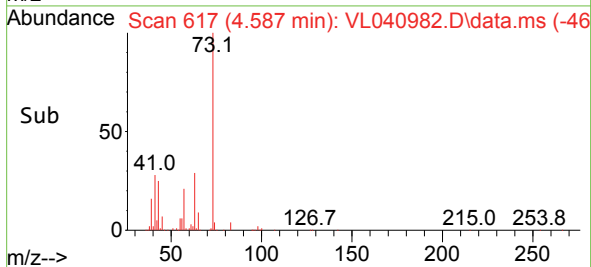
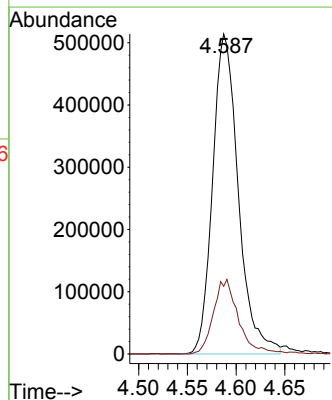
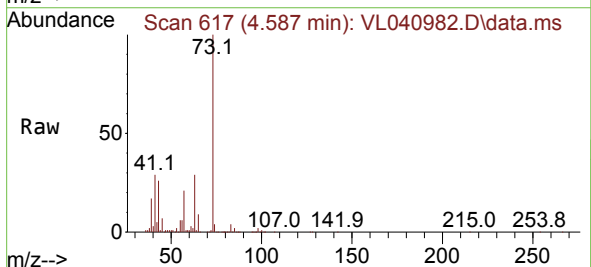
Instrument :
MSVOA_L
ClientSampleId :

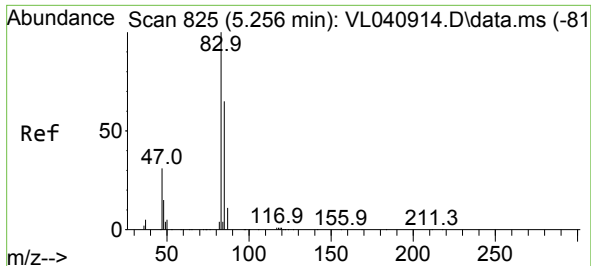
Tgt Ion: 76 Resp: 1507546
Ion Ratio Lower Upper
76 100
44 20.3 18.4 27.6
78 9.4 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 10.294 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 73 Resp: 941523
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0





#29

Chloroform

Concen: 9.006 ppbv

RT: 5.279 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

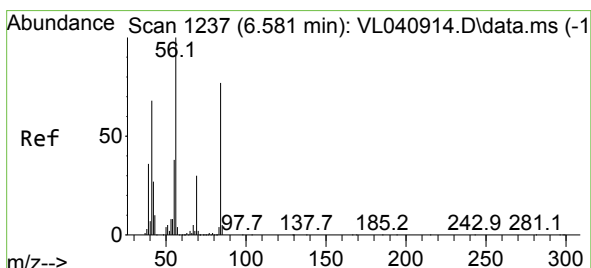
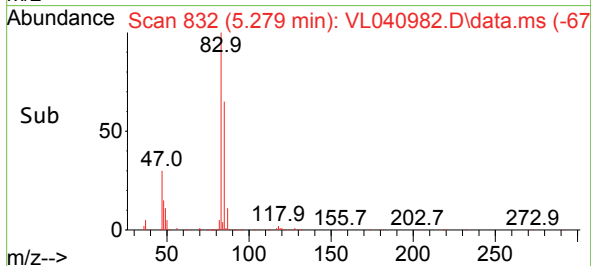
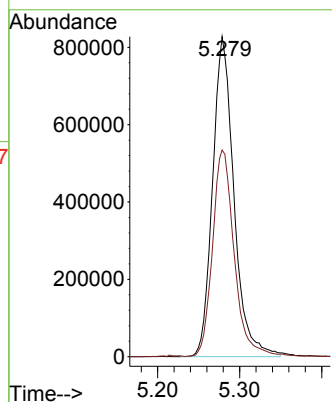
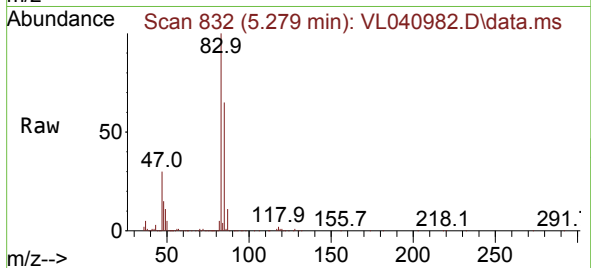
ClientSampleId :

Tgt Ion: 83 Resp: 1497939

Ion Ratio Lower Upper

83 100

85 64.3 52.3 78.5



#30

Cyclohexane

Concen: 11.331 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

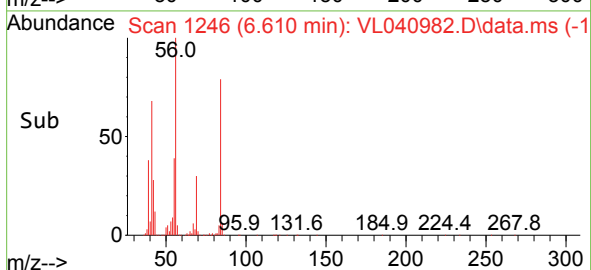
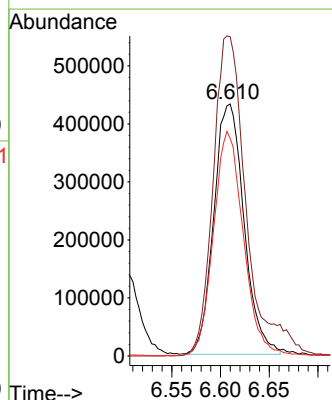
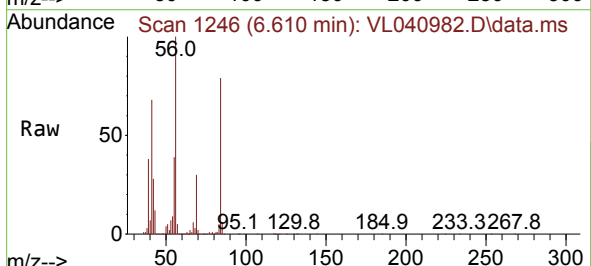
Tgt Ion: 84 Resp: 931114

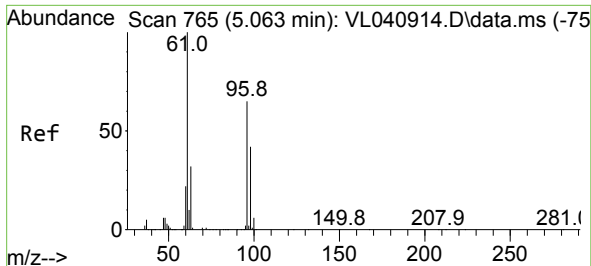
Ion Ratio Lower Upper

84 100

56 140.8 111.4 167.2

41 88.9 70.0 105.0

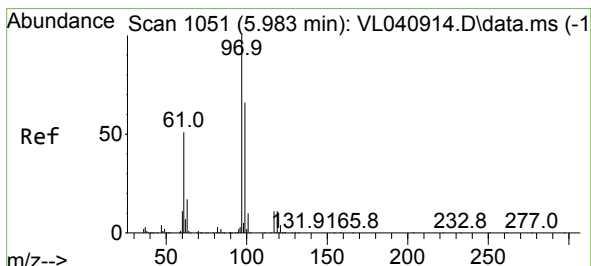
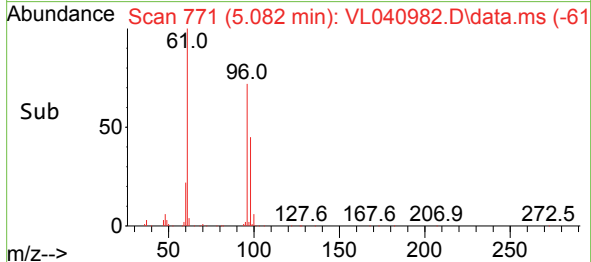
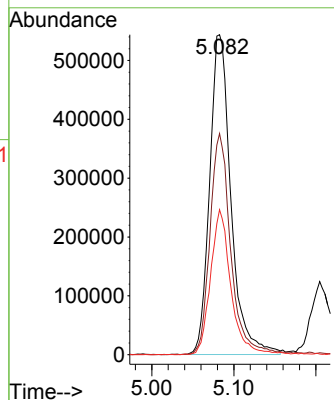
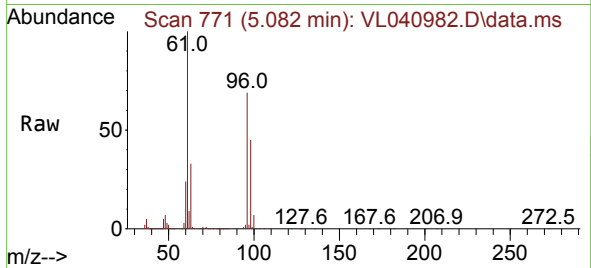




#31
 cis-1,2-Dichloroethene
 Concen: 9.709 ppbv
 RT: 5.082 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

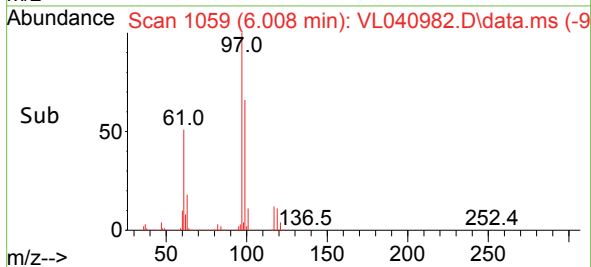
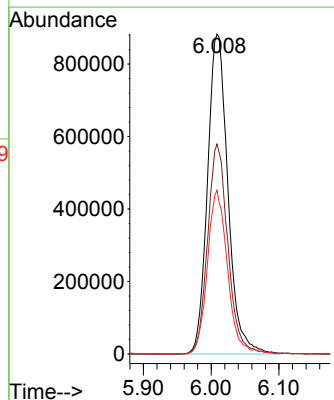
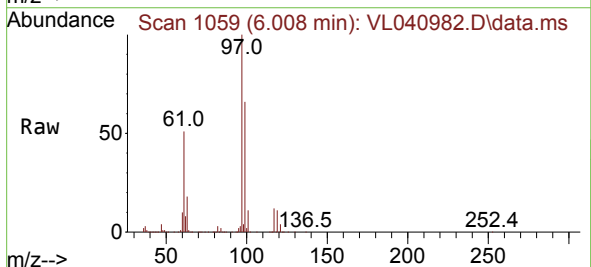
Instrument :
 MSVOA_L
 ClientSampleId :

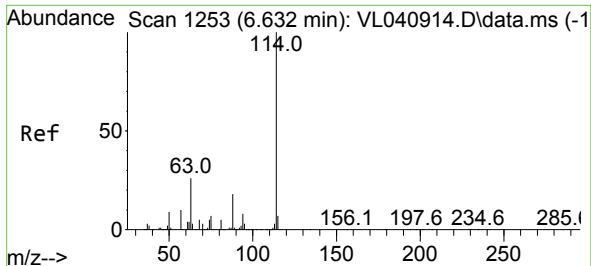
Tgt Ion: 61 Resp: 983038
 Ion Ratio Lower Upper
 61 100
 96 69.2 51.7 77.5
 98 45.3 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 11.503 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Tgt Ion: 97 Resp: 1849755
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 50.7 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

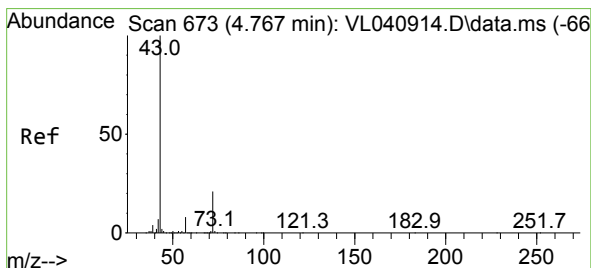
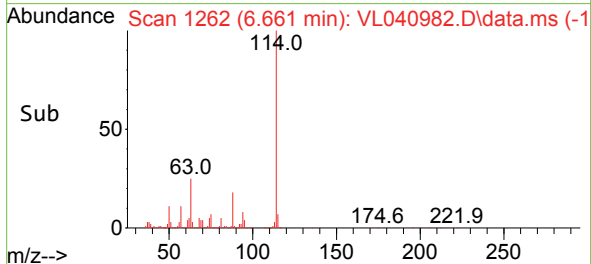
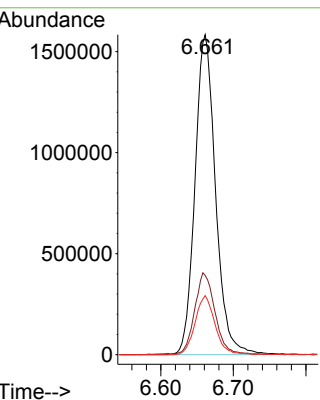
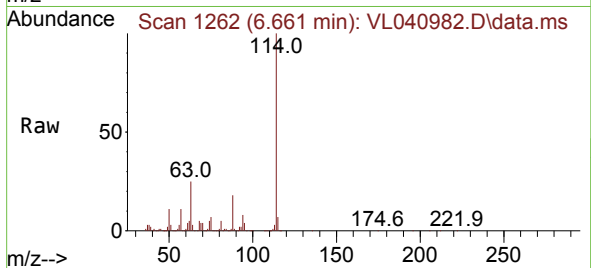
Tgt Ion:114 Resp: 3119200

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 8.679 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.000 min

Lab File: VL040982.D

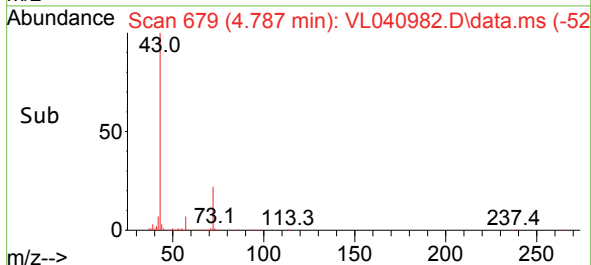
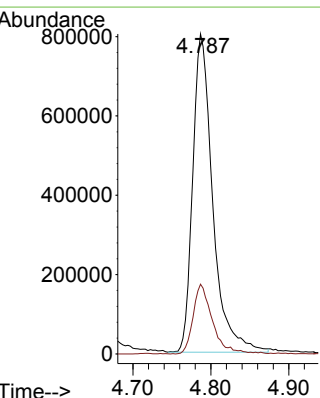
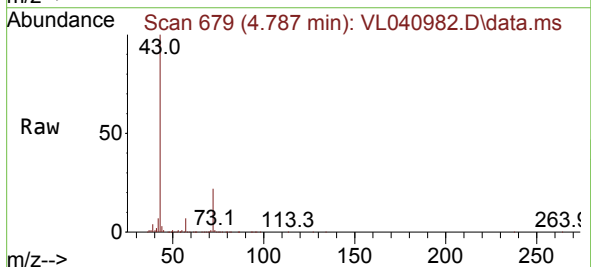
Acq: 16 Jan 2024 11:29

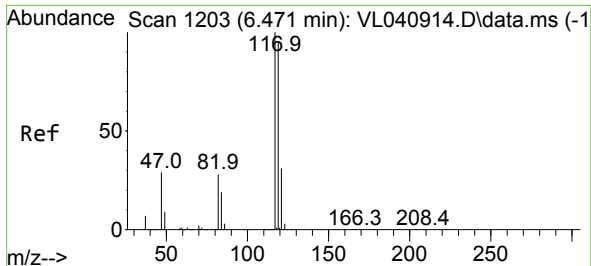
Tgt Ion: 43 Resp: 1432060

Ion Ratio Lower Upper

43 100

72 21.4 17.2 25.8

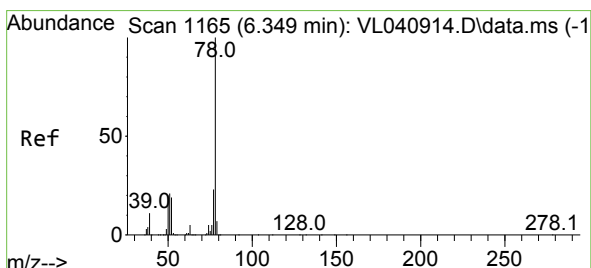
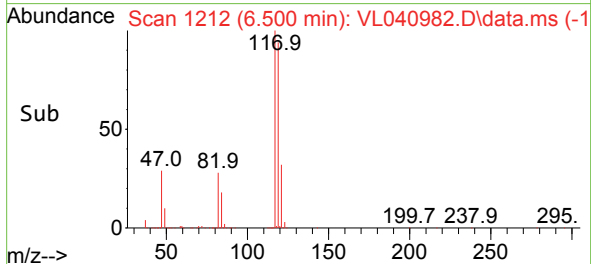
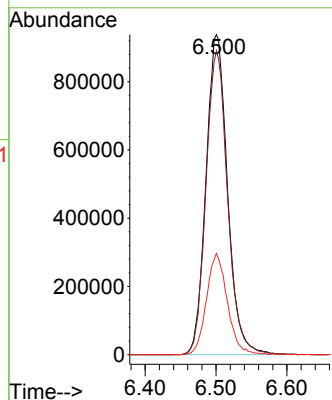
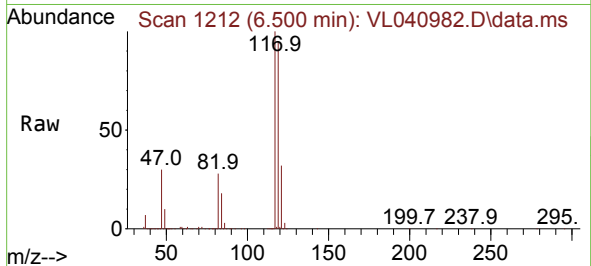




#35
Carbon Tetrachloride
Concen: 10.136 ppbv
RT: 6.500 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

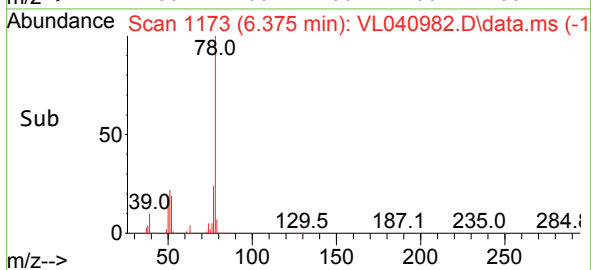
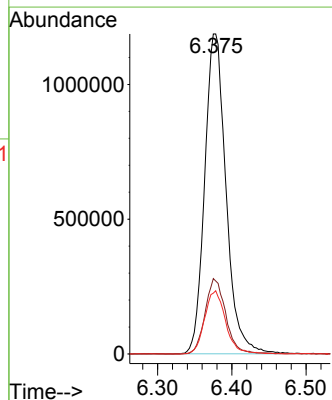
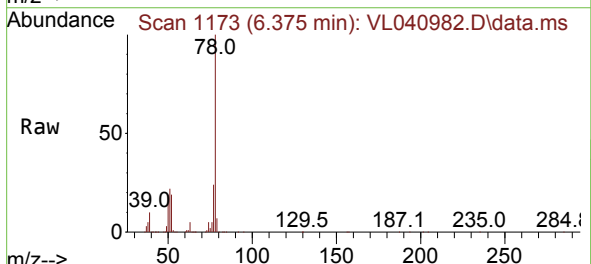
Instrument :
MSVOA_L
ClientSampleId :

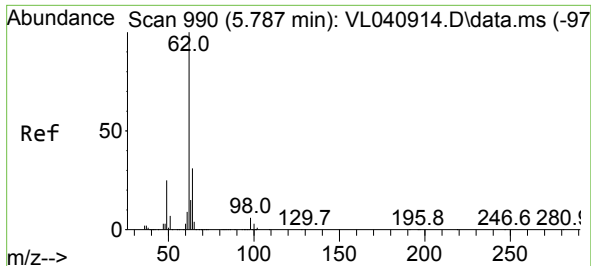
Tgt Ion:117 Resp: 1980079
Ion Ratio Lower Upper
117 100
119 94.9 76.3 114.5
121 31.7 24.9 37.3



#36
Benzene
Concen: 9.717 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 78 Resp: 2369436
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6
50 19.0 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.836 ppbv

RT: 5.812 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

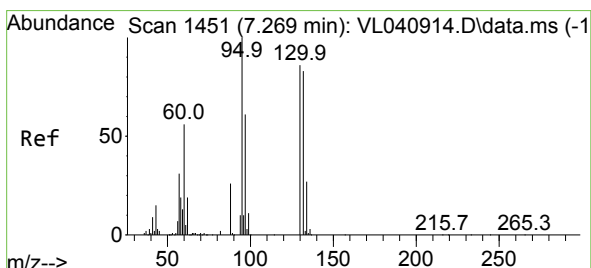
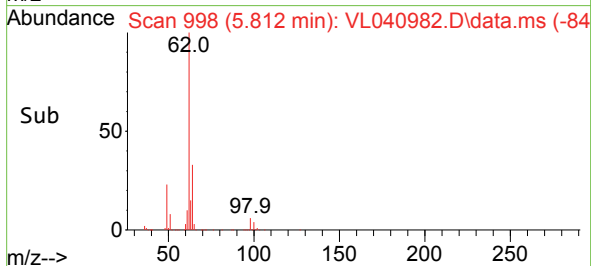
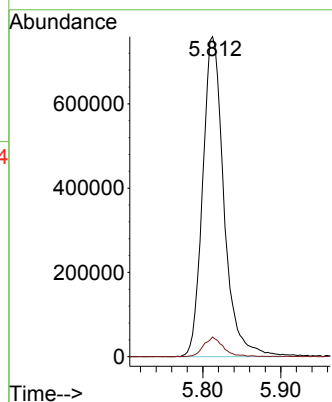
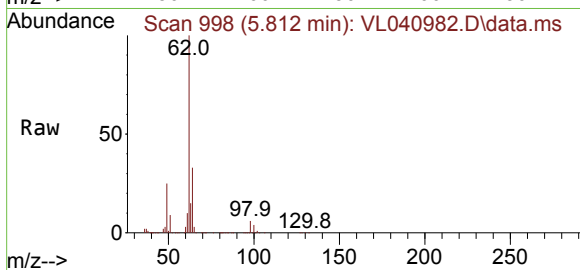
ClientSampleId :

Tgt Ion: 62 Resp: 1437139

Ion Ratio Lower Upper

62 100

98 5.7 4.6 7.0



#38

Trichloroethene

Concen: 10.177 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Tgt Ion:130 Resp: 932000

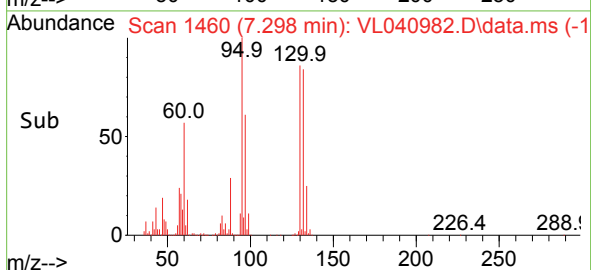
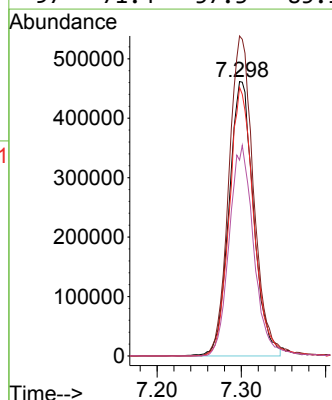
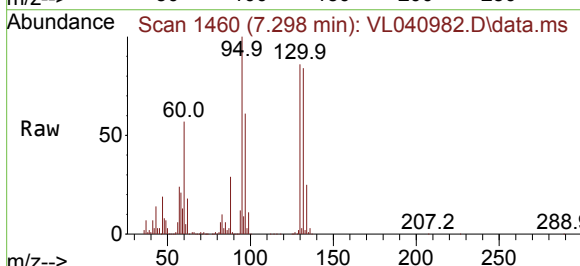
Ion Ratio Lower Upper

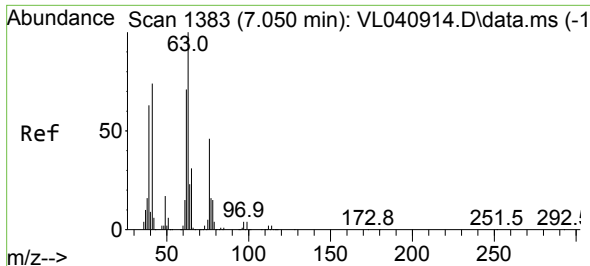
130 100

95 116.6 93.5 140.3

132 97.9 77.4 116.2

97 71.4 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.714 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

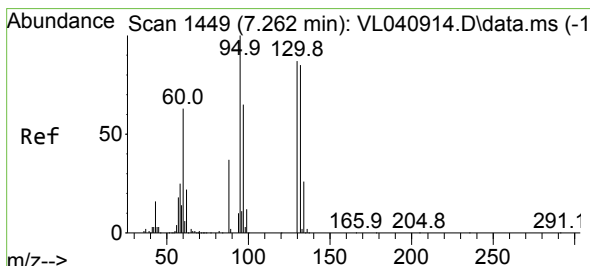
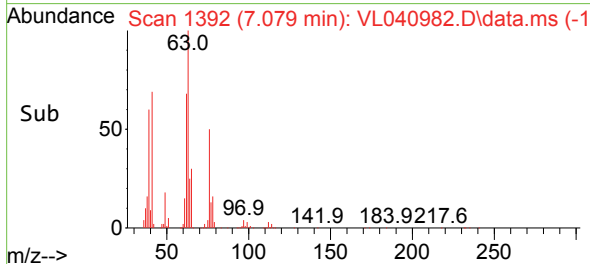
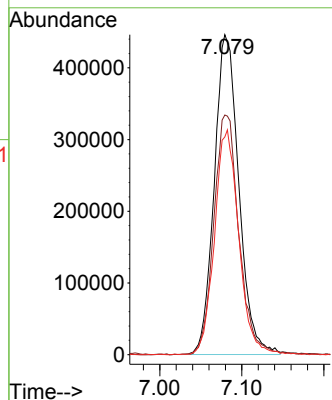
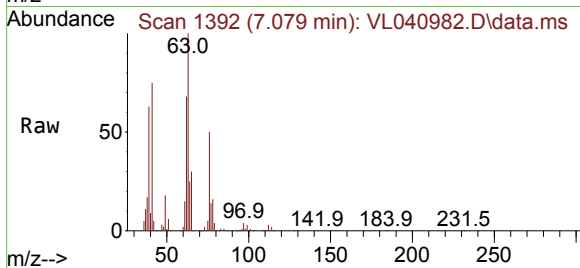
Tgt Ion: 63 Resp: 930789

Ion Ratio Lower Upper

63 100

41 74.8 59.0 88.6

62 68.0 56.6 85.0



#40

1,4-Dioxane

Concen: 9.292 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Tgt Ion: 88 Resp: 375940

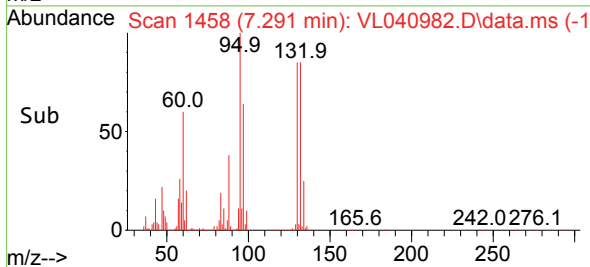
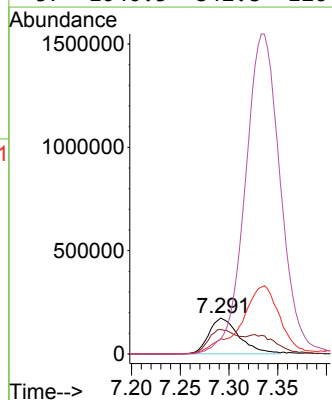
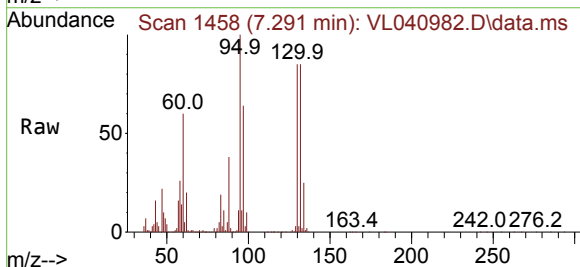
Ion Ratio Lower Upper

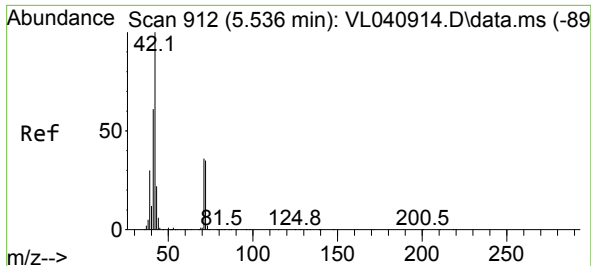
88 100

58 121.5 97.3 145.9

43 245.6 200.6 300.8

57 1040.5 842.8 1264.2

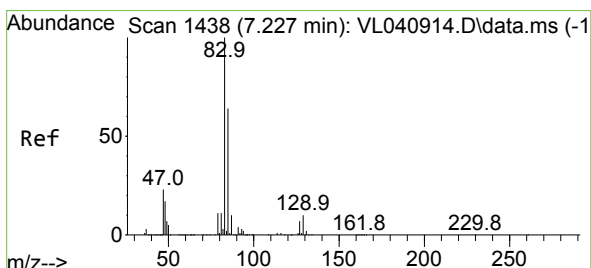
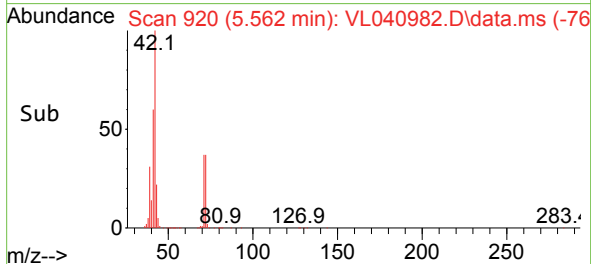
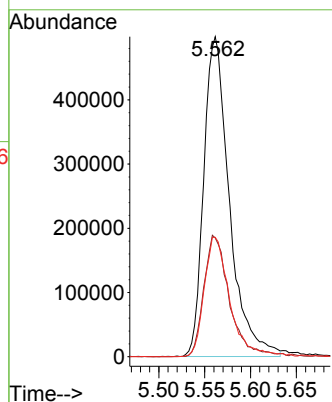
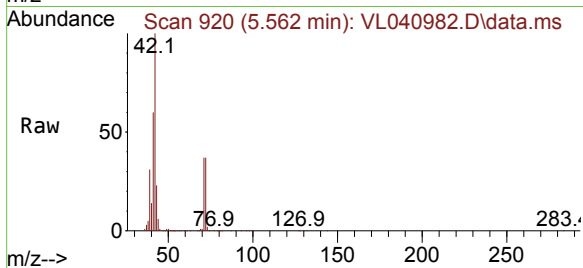




#41
Tetrahydrofuran
Concen: 9.633 ppbv
RT: 5.562 min Scan# 912
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

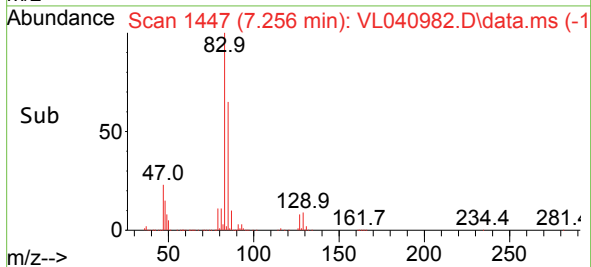
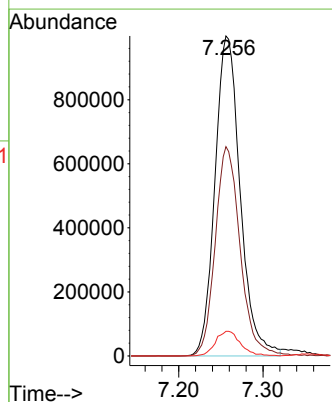
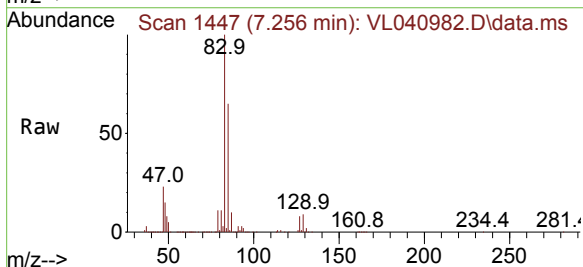
Instrument :
MSVOA_L
ClientSampleId :

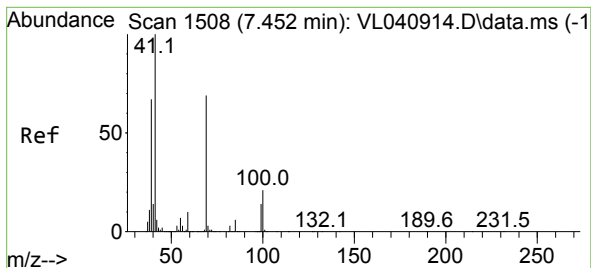
Tgt Ion: 42 Resp: 967088
Ion Ratio Lower Upper
42 100
72 38.4 29.6 44.4
71 37.6 29.1 43.7



#42
Bromodichloromethane
Concen: 9.861 ppbv
RT: 7.256 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 83 Resp: 2078025
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.0
127 7.7 5.9 8.9





#43

Methyl Methacrylate

Concen: 10.261 ppbv

RT: 7.478 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

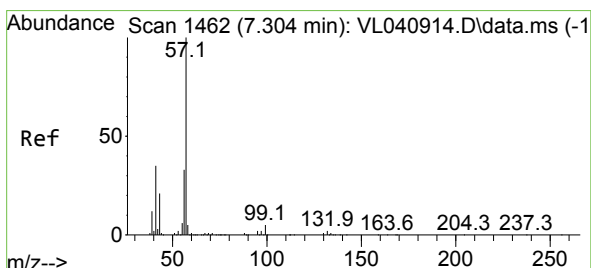
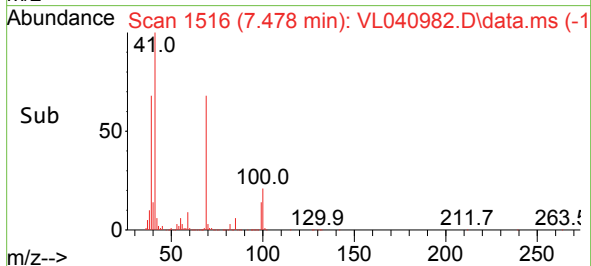
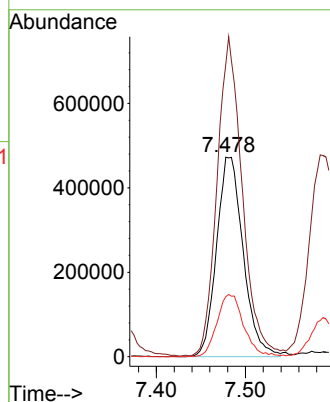
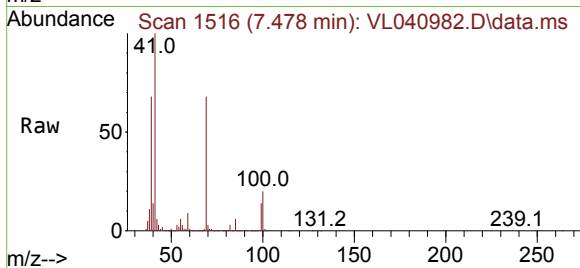
Tgt Ion: 69 Resp: 981413

Ion Ratio Lower Upper

69 100

41 151.8 119.9 179.9

100 31.3 25.1 37.7



#44

2,2,4-Trimethylpentane

Concen: 9.440 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

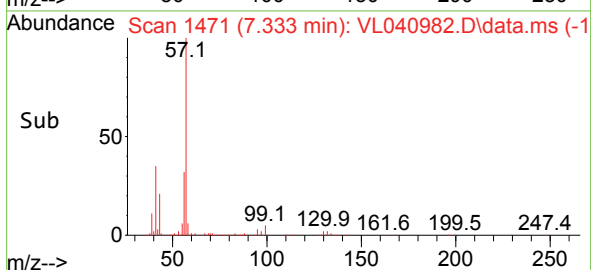
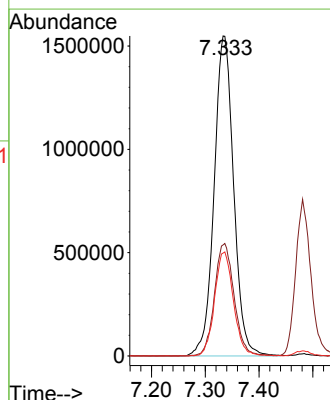
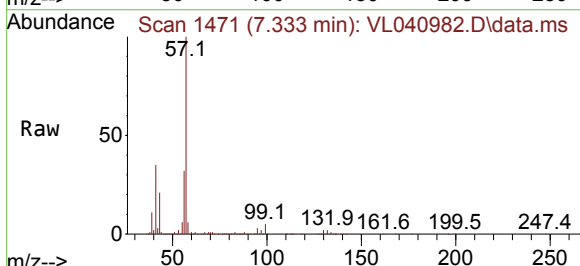
Tgt Ion: 57 Resp: 3909912

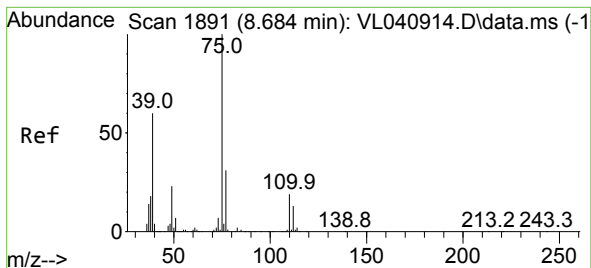
Ion Ratio Lower Upper

57 100

41 35.4 28.2 42.4

56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.823 ppbv

RT: 8.719 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

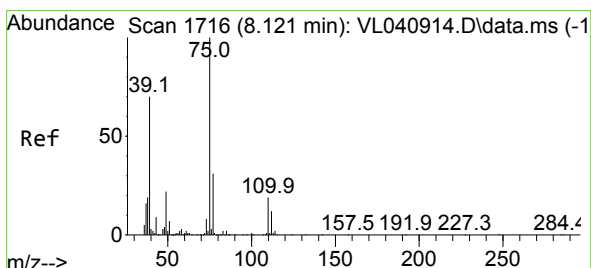
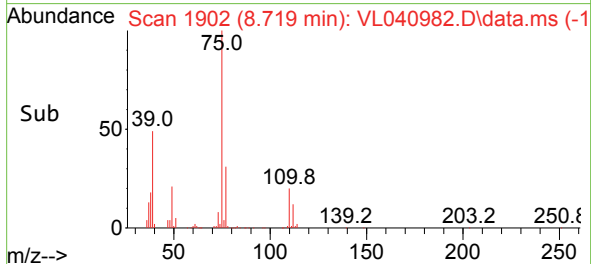
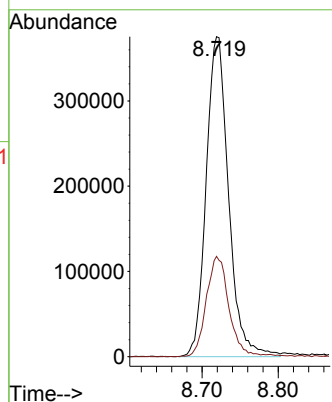
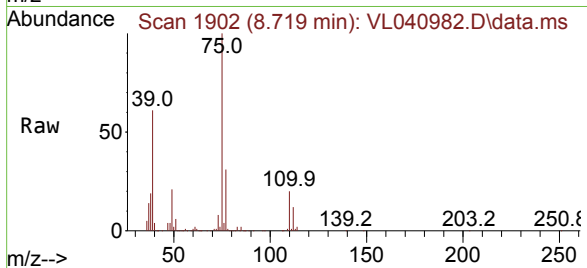
ClientSampleId :

Tgt Ion: 75 Resp: 767992

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 10.409 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

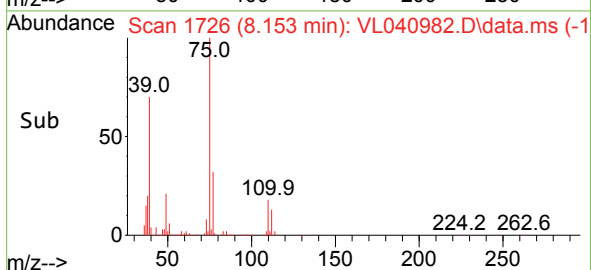
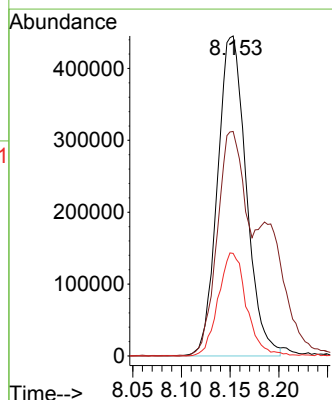
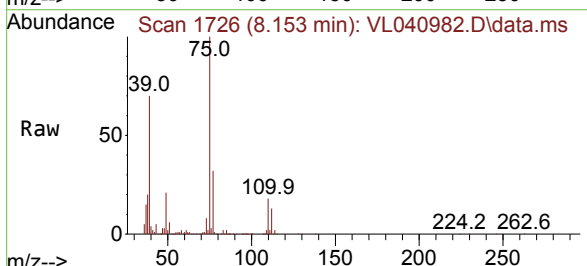
Tgt Ion: 75 Resp: 914453

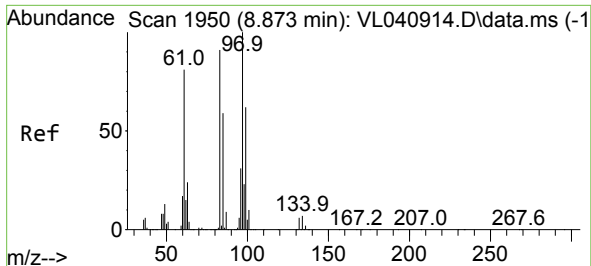
Ion Ratio Lower Upper

75 100

39 69.9 56.2 84.4

77 32.1 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.654 ppbv

RT: 8.909 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 981262

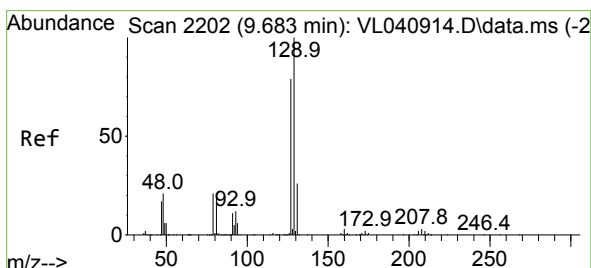
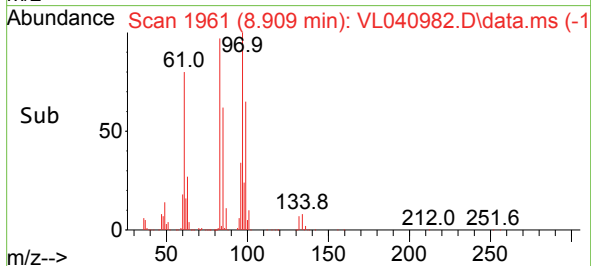
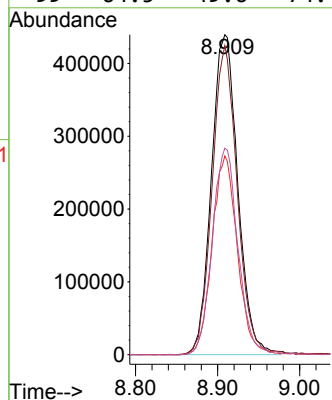
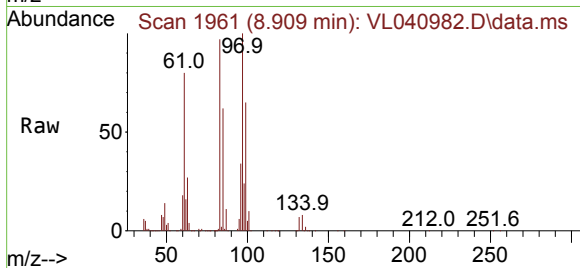
Ion Ratio Lower Upper

97 100

83 96.4 72.6 108.8

85 62.1 47.4 71.0

99 64.5 49.6 74.4



#48

Dibromochloromethane

Concen: 10.021 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VL040982.D

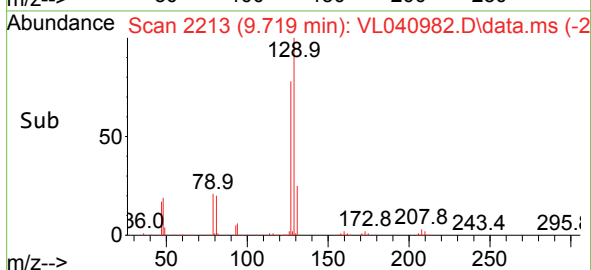
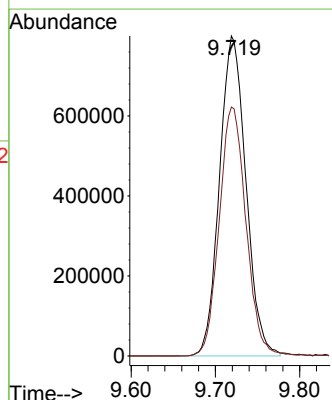
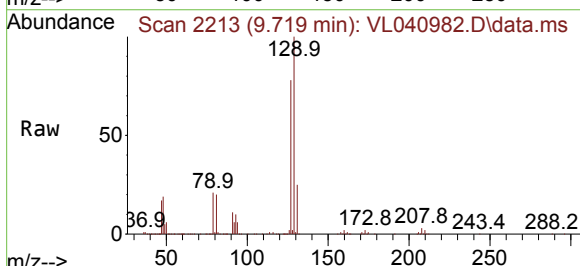
Acq: 16 Jan 2024 11:29

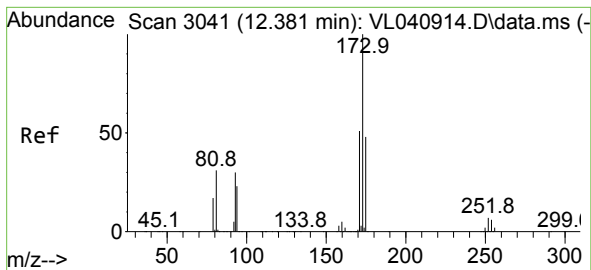
Tgt Ion: 129 Resp: 1738745

Ion Ratio Lower Upper

129 100

127 79.1 39.6 119.0





#49

Bromoform

Concen: 10.370 ppbv

RT: 12.417 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

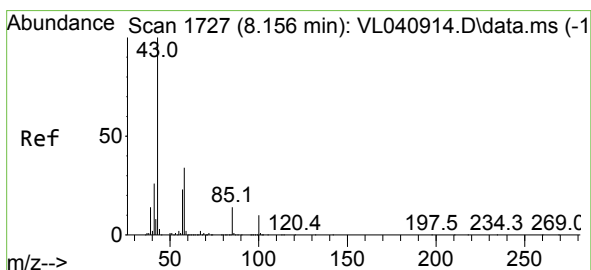
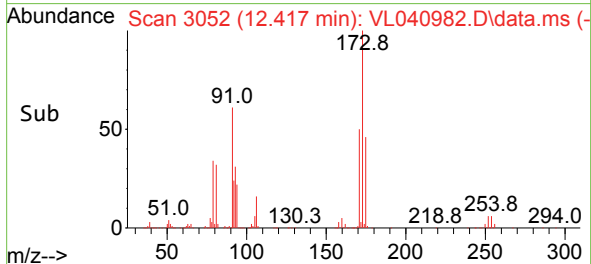
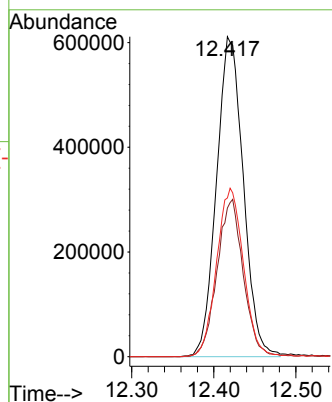
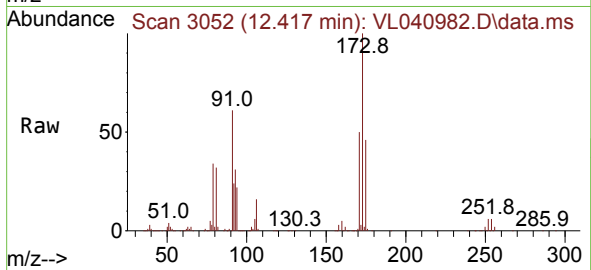
Tgt Ion:173 Resp: 1388210

Ion Ratio Lower Upper

173 100

175 48.5 39.3 58.9

171 53.2 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.915 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. 0.000 min

Lab File: VL040982.D

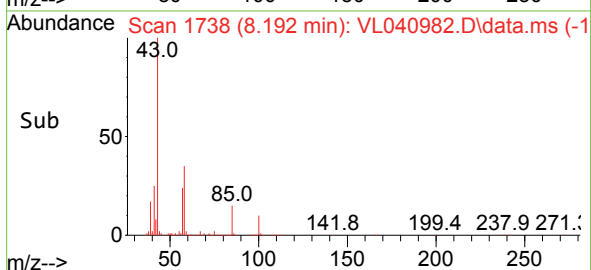
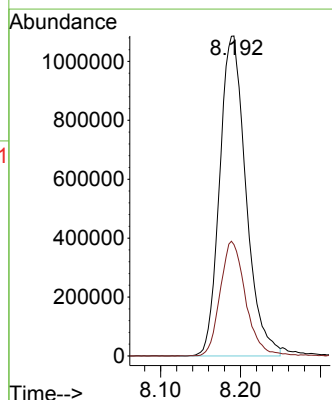
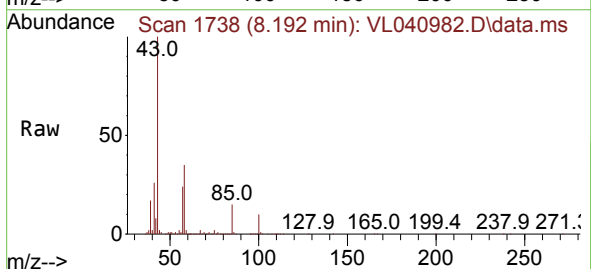
Acq: 16 Jan 2024 11:29

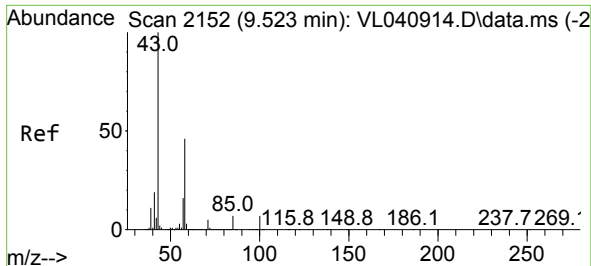
Tgt Ion: 43 Resp: 2477624

Ion Ratio Lower Upper

43 100

58 34.9 27.4 41.0

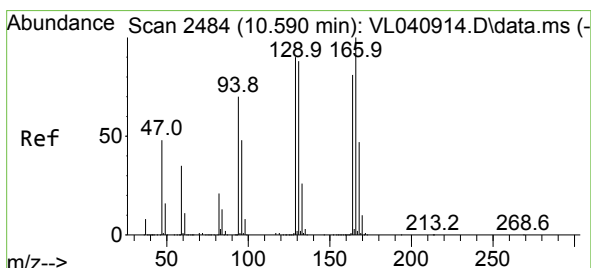
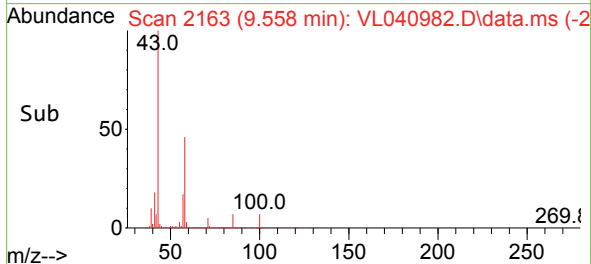
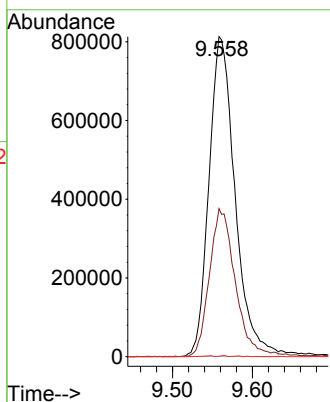
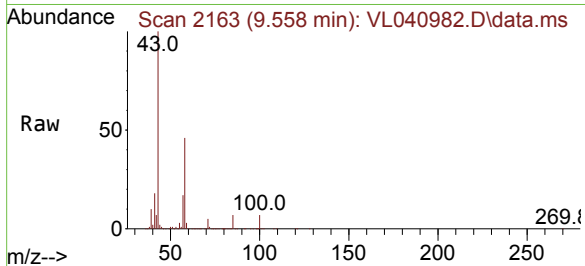




#51
2-Hexanone
Concen: 10.193 ppbv
RT: 9.558 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

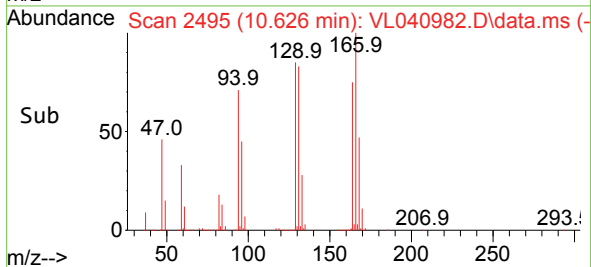
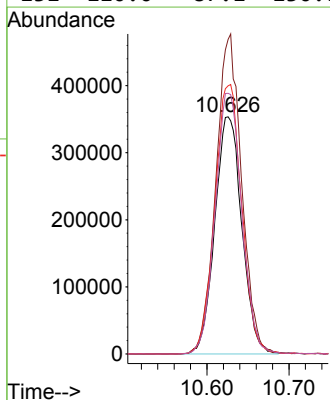
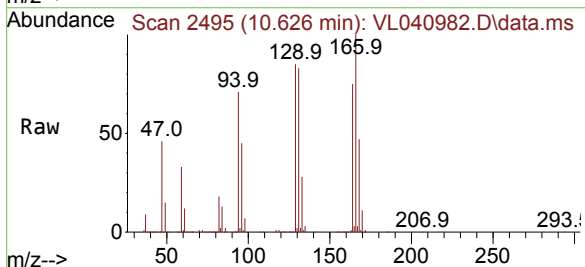
Instrument :
MSVOA_L
ClientSampleId :

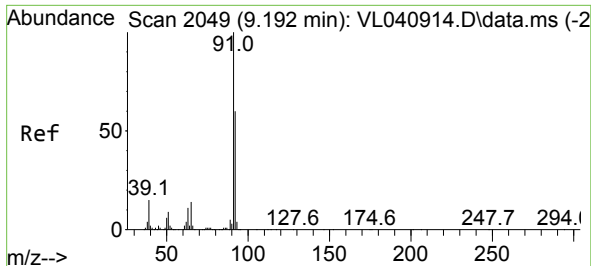
Tgt Ion: 43 Resp: 1833347
Ion Ratio Lower Upper
43 100
58 46.8 37.3 55.9
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.840 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion:164 Resp: 808299
Ion Ratio Lower Upper
164 100
166 132.6 98.9 148.3
129 113.1 88.7 133.1
131 110.0 87.1 130.7

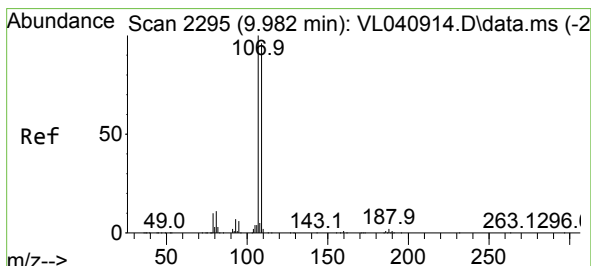
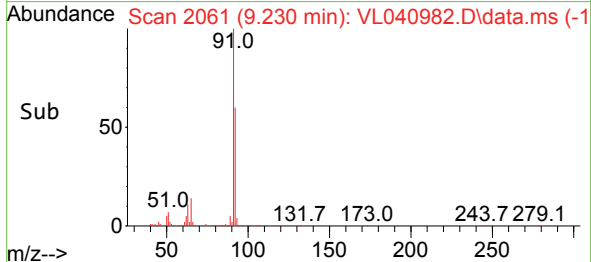
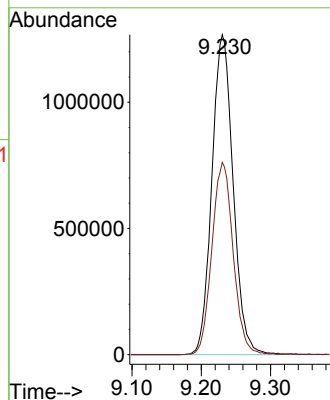
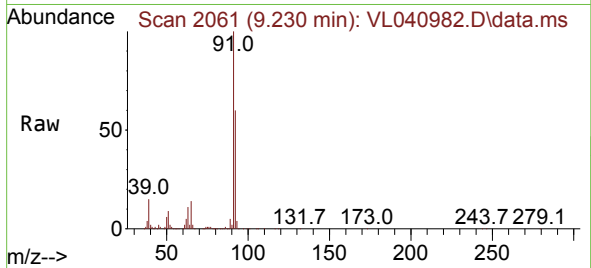




#53
Toluene
Concen: 9.978 ppbv
RT: 9.230 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

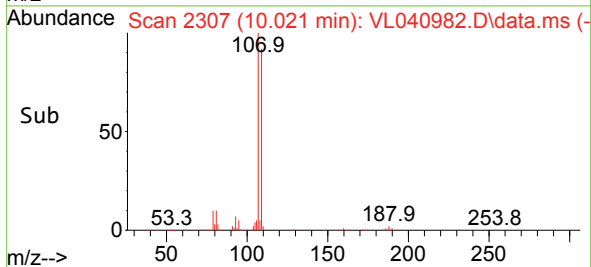
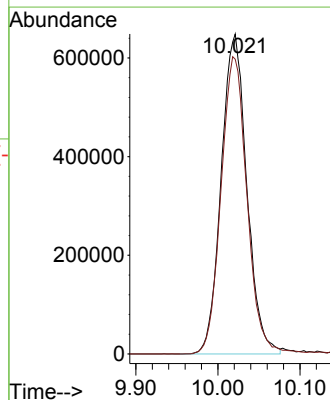
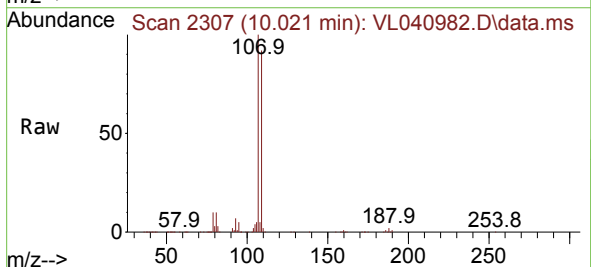
Instrument :
MSVOA_L
ClientSampleId :

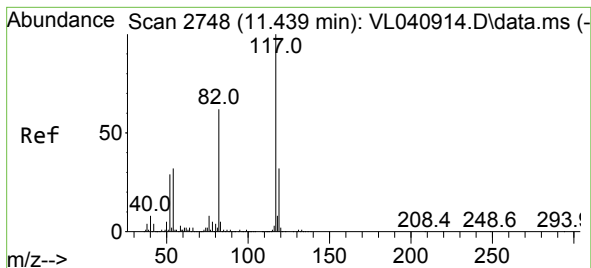
Tgt Ion: 91 Resp: 2697832
Ion Ratio Lower Upper
91 100
92 60.2 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.083 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion: 107 Resp: 1406451
Ion Ratio Lower Upper
107 100
109 92.1 77.0 115.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

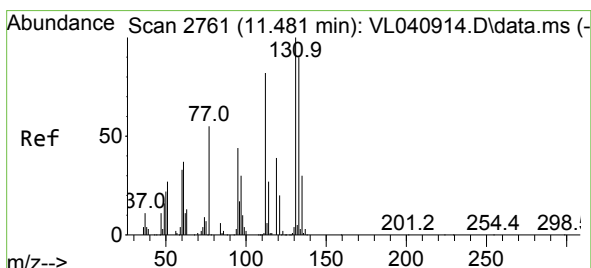
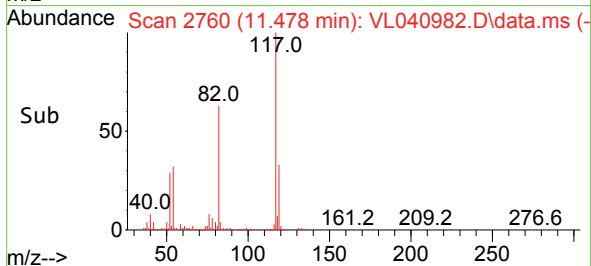
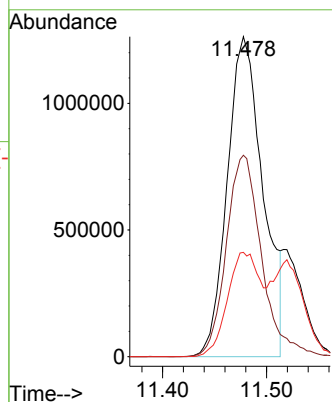
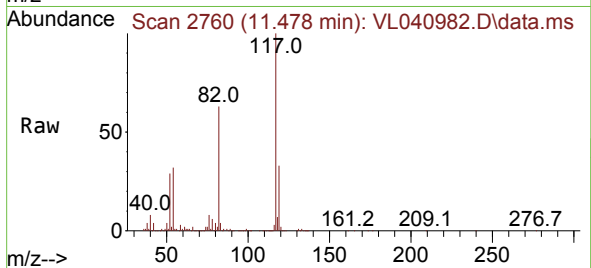
Tgt Ion:117 Resp: 3010819

Ion Ratio Lower Upper

117 100

82 62.7 49.6 74.4

119 29.2 23.4 35.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.550 ppbv

RT: 11.520 min Scan# 2773

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

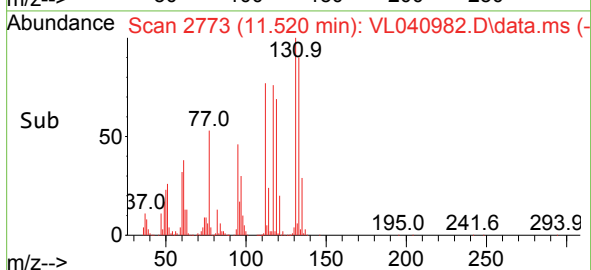
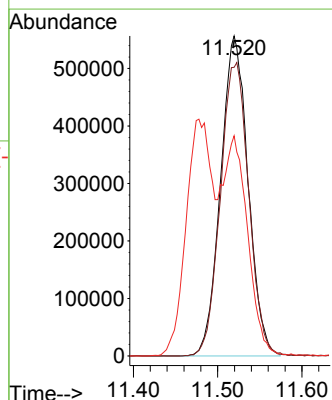
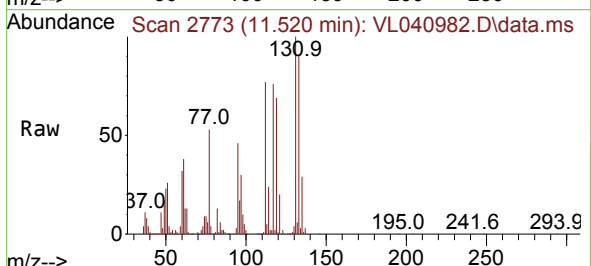
Tgt Ion:131 Resp: 1257310

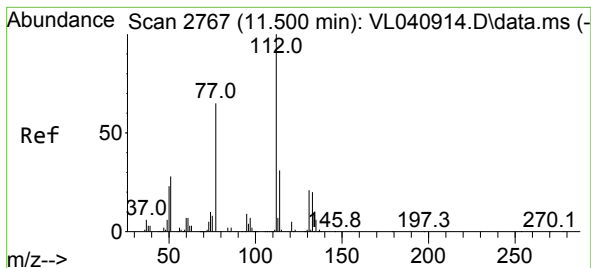
Ion Ratio Lower Upper

131 100

133 95.1 76.3 114.5

119 62.8 48.6 73.0





#57

Chlorobenzene

Concen: 9.274 ppbv

RT: 11.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

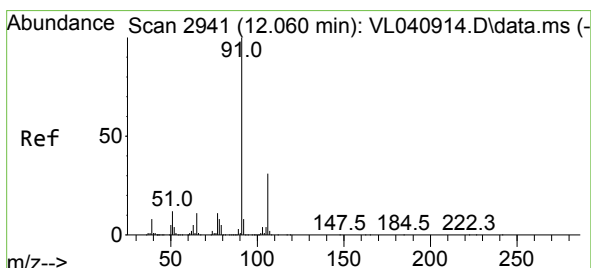
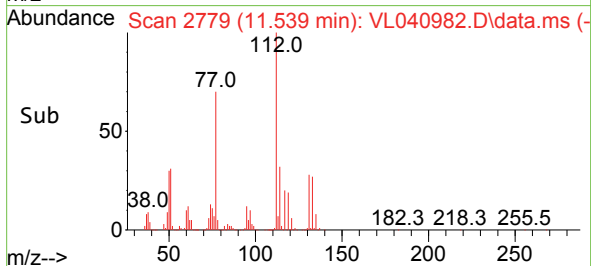
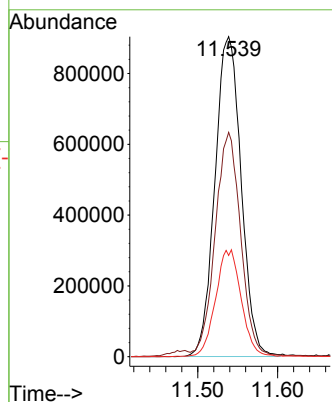
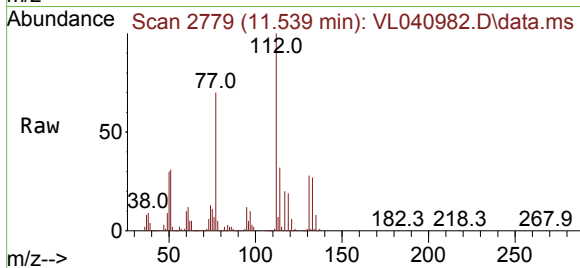
Tgt Ion:112 Resp: 2056262

Ion Ratio Lower Upper

112 100

77 69.7 52.7 79.1

114 31.6 28.4 34.7



#58

Ethyl Benzene

Concen: 9.456 ppbv

RT: 12.098 min Scan# 2953

Delta R.T. 0.000 min

Lab File: VL040982.D

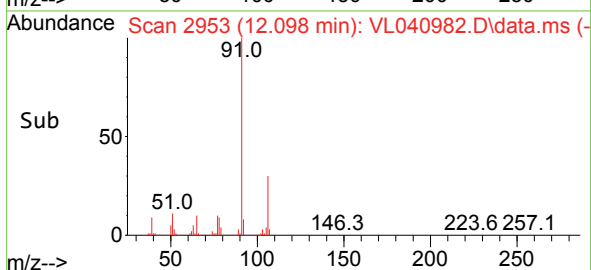
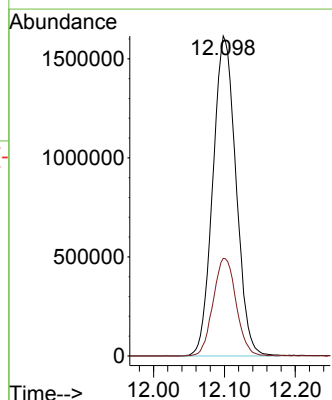
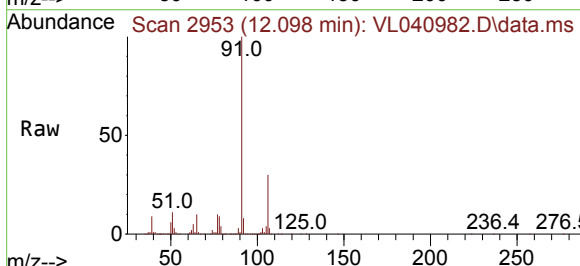
Acq: 16 Jan 2024 11:29

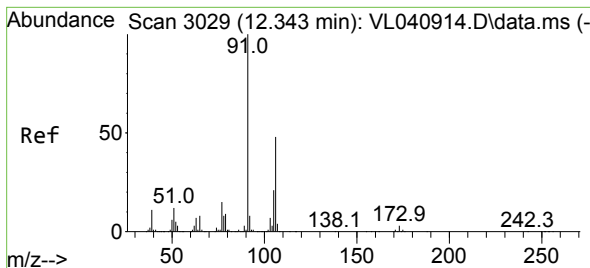
Tgt Ion: 91 Resp: 3656720

Ion Ratio Lower Upper

91 100

106 30.5 24.9 37.3





#59

m/p-Xylene

Concen: 10.309 ppbv

RT: 12.384 min Scan# 3029

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

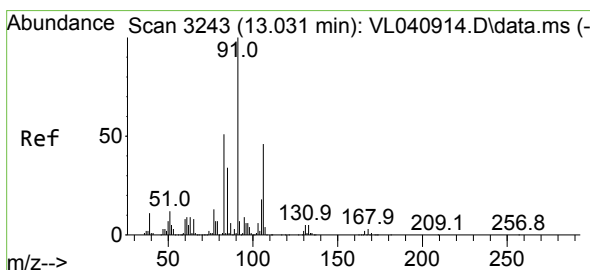
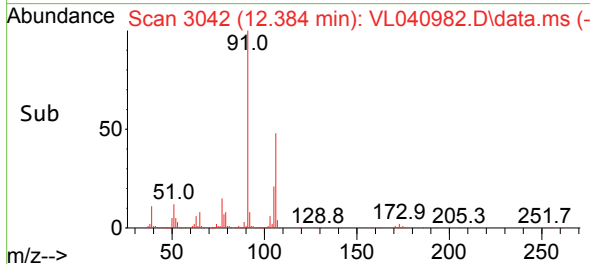
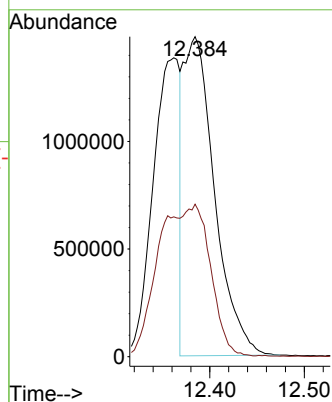
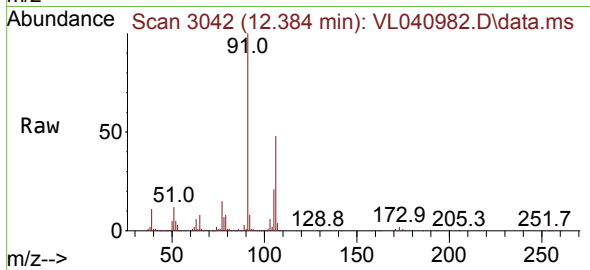
ClientSampleId :

Tgt Ion: 91 Resp: 3390931

Ion Ratio Lower Upper

91 100

106 80.2 0.0 0.0#



#60

o-Xylene

Concen: 9.417 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.000 min

Lab File: VL040982.D

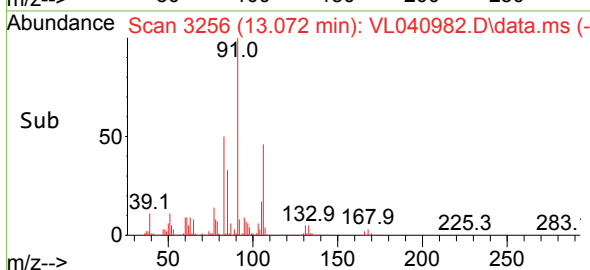
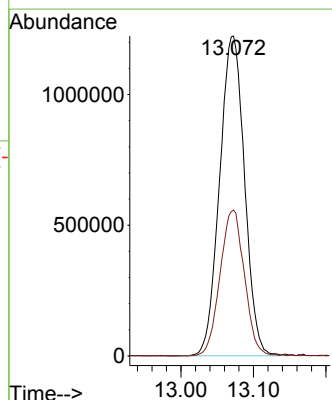
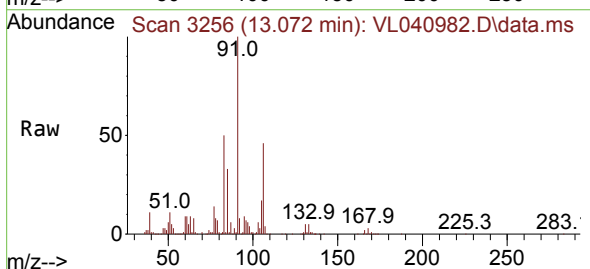
Acq: 16 Jan 2024 11:29

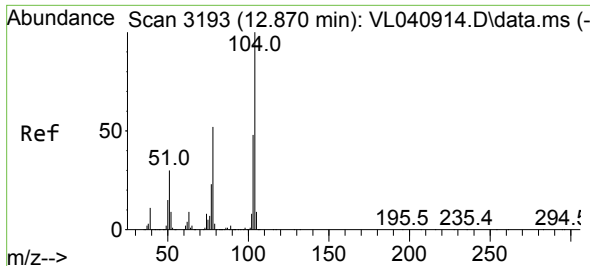
Tgt Ion: 91 Resp: 2918687

Ion Ratio Lower Upper

91 100

106 44.8 22.6 67.7

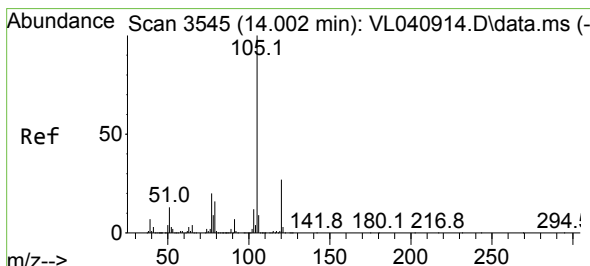
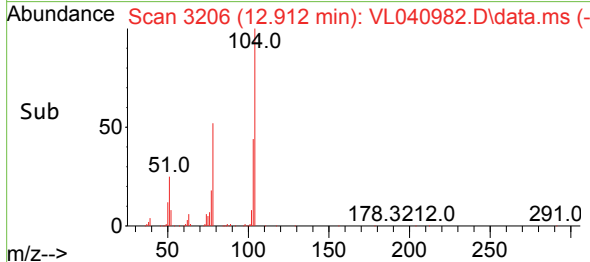
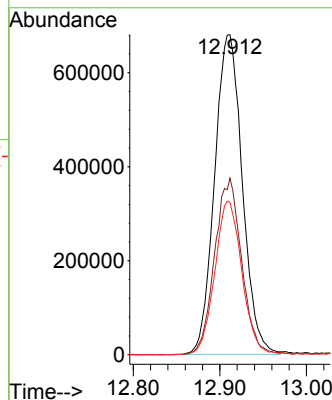
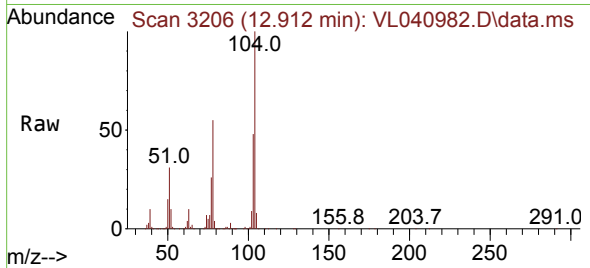




#61
Styrene
Concen: 10.271 ppbv
RT: 12.912 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

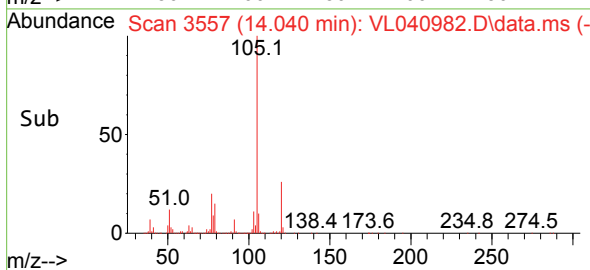
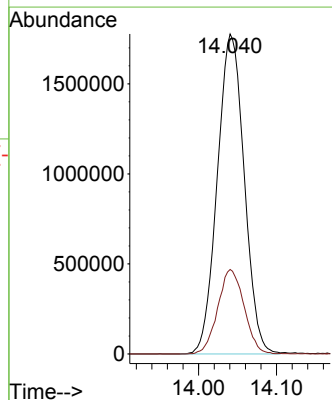
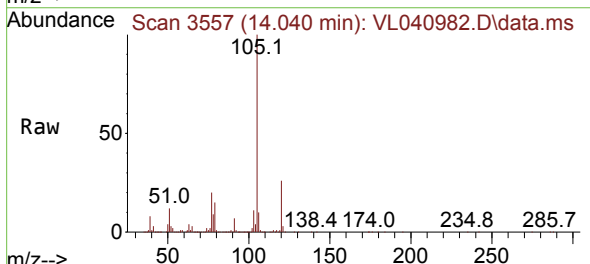
Instrument :
MSVOA_L
ClientSampleId :

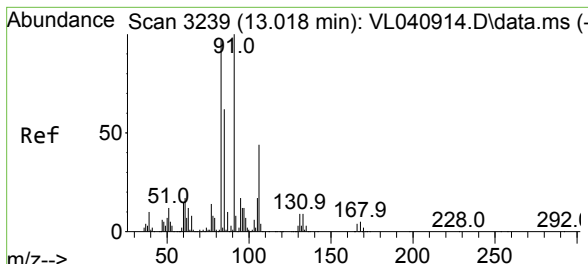
Tgt Ion:104 Resp: 1513184
Ion Ratio Lower Upper
104 100
78 54.0 43.0 64.4
103 47.3 37.6 56.4



#62
Isopropylbenzene
Concen: 9.266 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

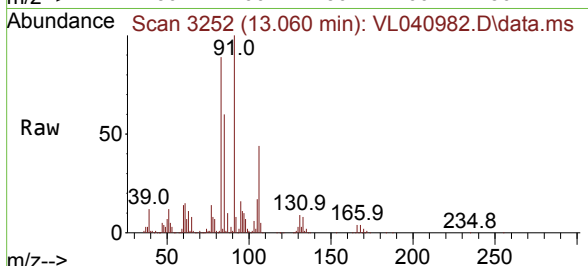
Tgt Ion:105 Resp: 4258896
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1



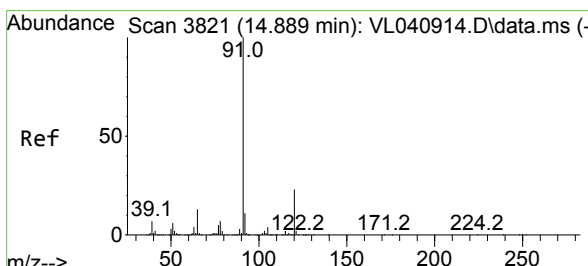
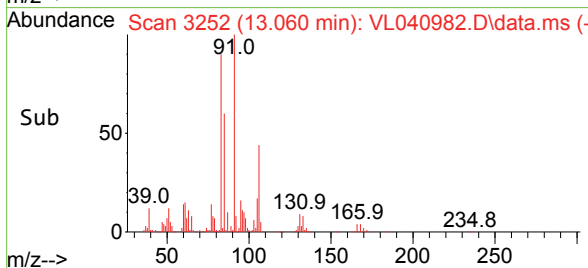
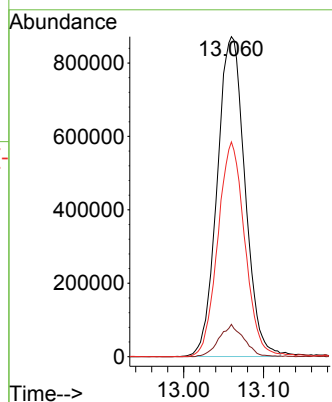


#63
1,1,2,2-Tetrachloroethane
Concen: 9.409 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Instrument :
MSVOA_L
ClientSampleId :

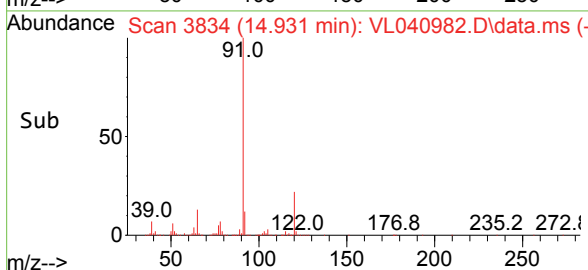
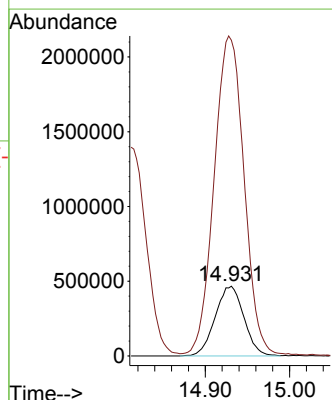
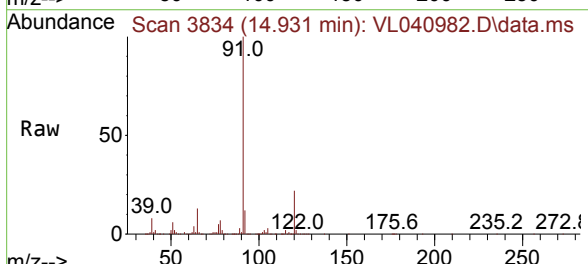


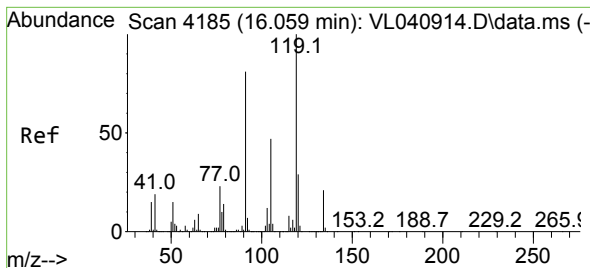
Tgt Ion: 83 Resp: 2100787
Ion Ratio Lower Upper
83 100
131 9.1 4.7 14.0
85 66.2 32.6 98.0



#64
n-propylbenzene
Concen: 9.581 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion:120 Resp: 1104575
Ion Ratio Lower Upper
120 100
91 481.0 381.9 572.9





#65

tert-Butylbenzene

Concen: 9.554 ppbv

RT: 16.105 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

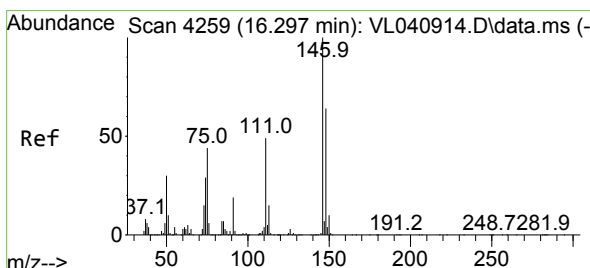
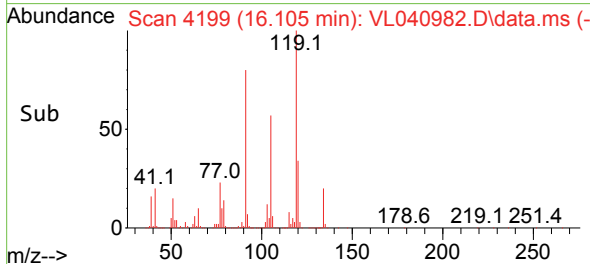
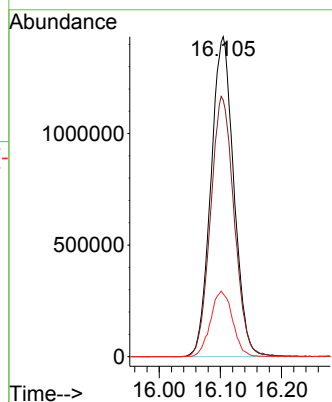
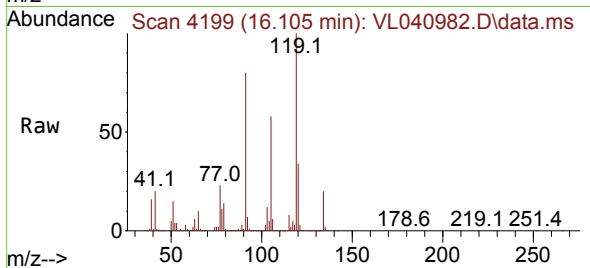
Tgt Ion:119 Resp: 3732748

Ion Ratio Lower Upper

119 100

91 83.6 67.2 100.8

134 19.8 15.8 23.6



#66

Benzyl Chloride

Concen: 7.186 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

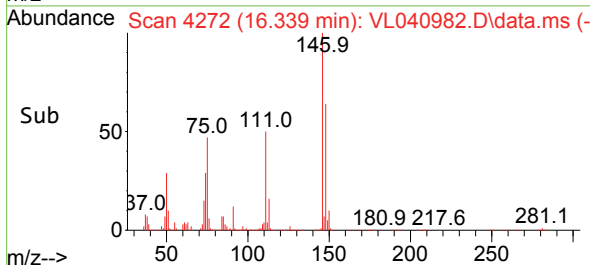
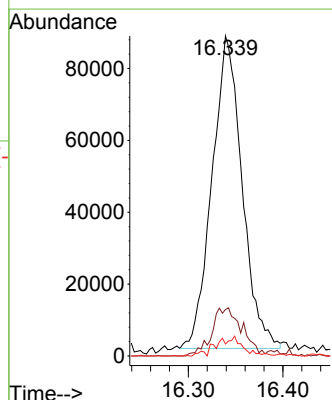
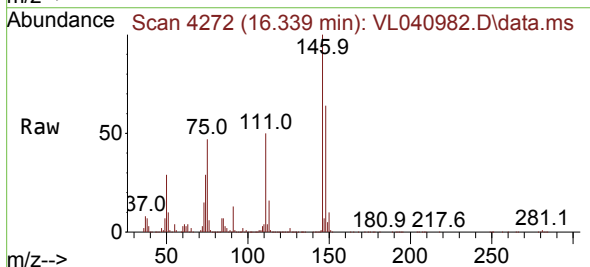
Tgt Ion: 91 Resp: 192119

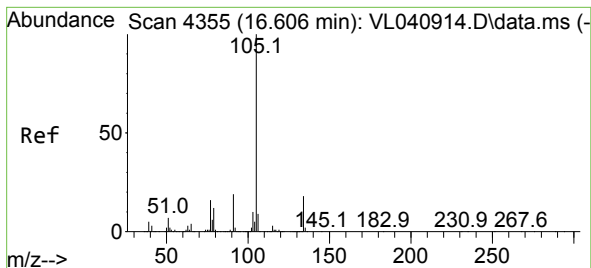
Ion Ratio Lower Upper

91 100

126 16.8 14.1 21.1

128 5.5 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.182 ppbv

RT: 16.651 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

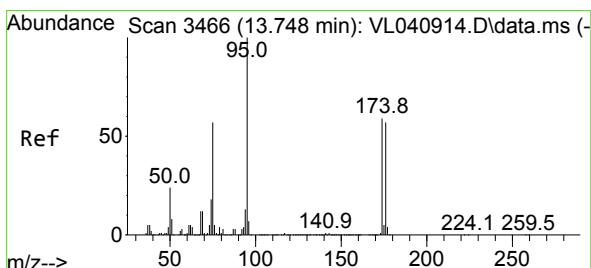
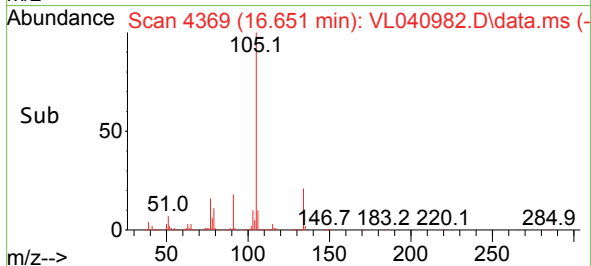
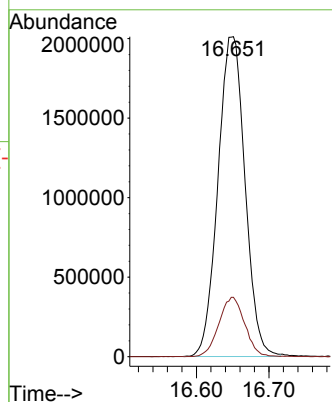
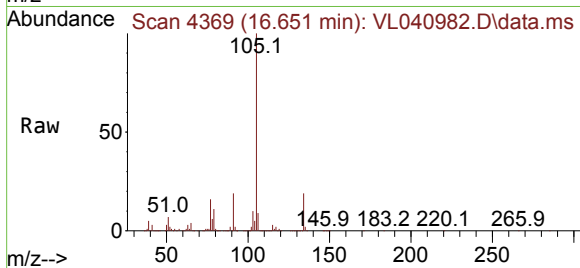
ClientSampleId :

Tgt Ion:105 Resp: 5213170

Ion Ratio Lower Upper

105 100

134 17.9 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.952 ppbv

RT: 13.790 min Scan# 3479

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

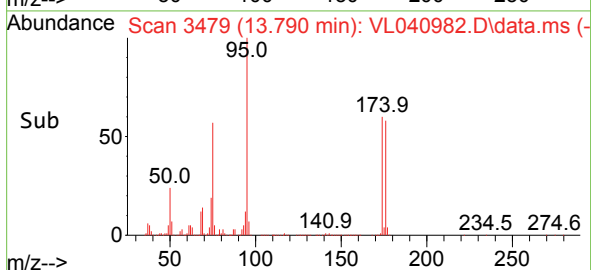
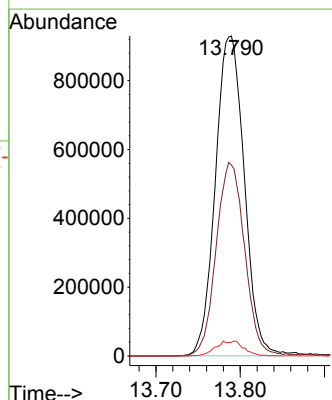
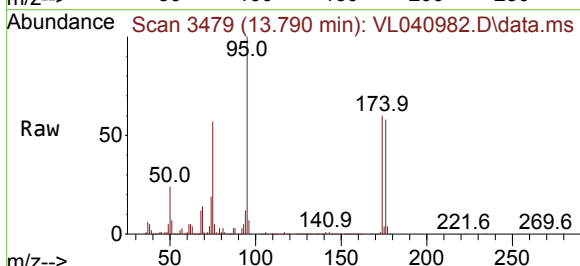
Tgt Ion: 95 Resp: 2207013

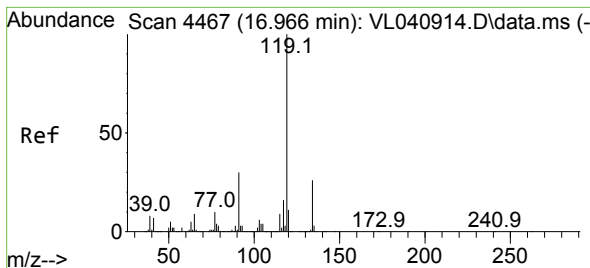
Ion Ratio Lower Upper

95 100

174 60.5 48.0 72.0

175 4.6 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.467 ppbv

RT: 17.008 min Scan# 4467

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

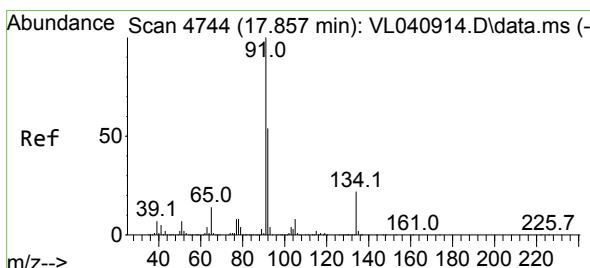
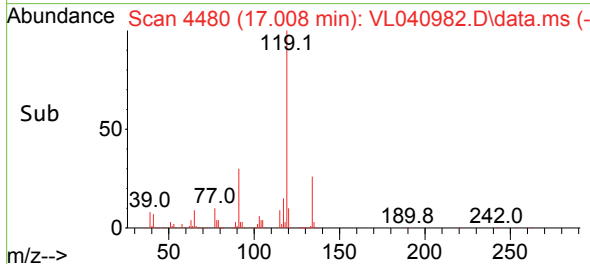
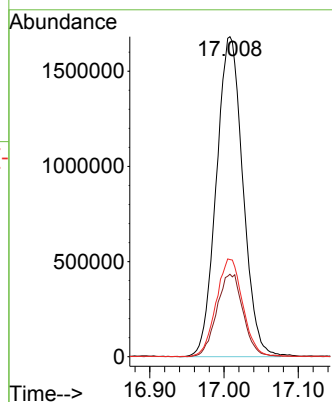
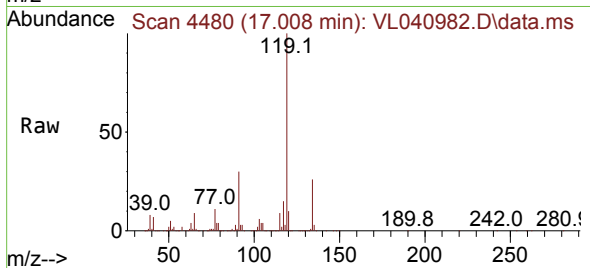
Tgt Ion:119 Resp: 4177797

Ion Ratio Lower Upper

119 100

134 25.8 20.3 30.5

91 30.7 24.1 36.1



#70

n-Butylbenzene

Concen: 9.544 ppbv

RT: 17.899 min Scan# 4757

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

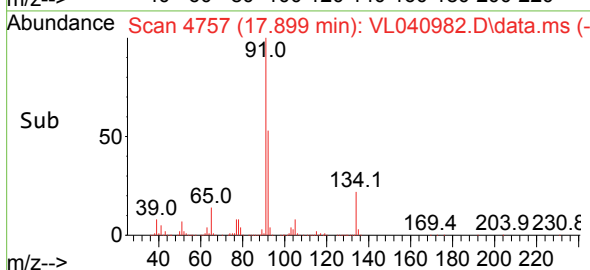
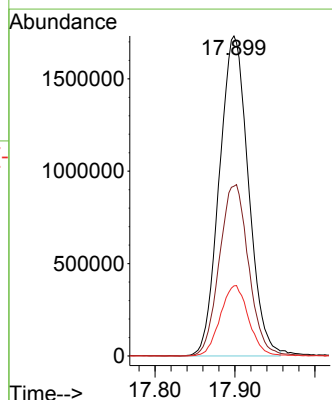
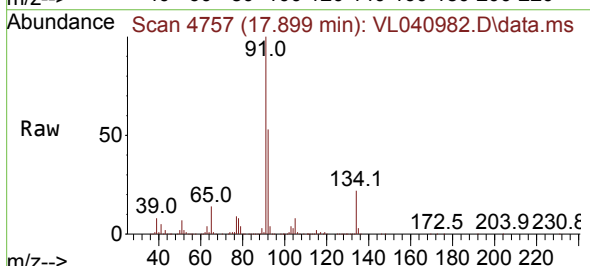
Tgt Ion: 91 Resp: 4372696

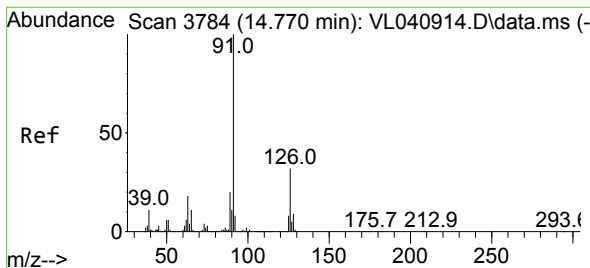
Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.0

134 21.5 17.6 26.4

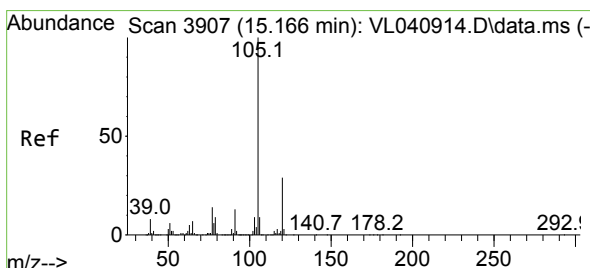
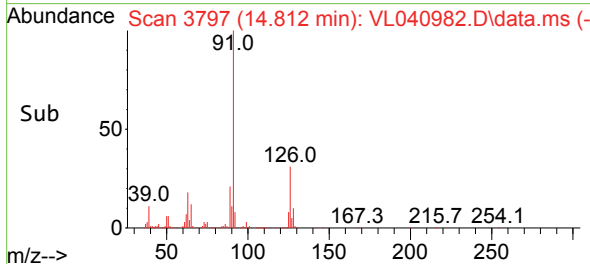
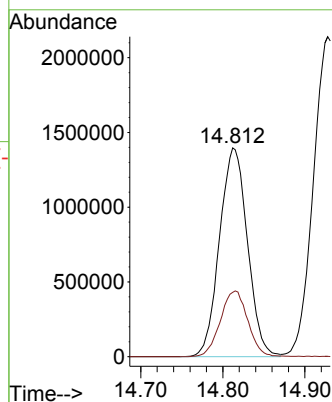
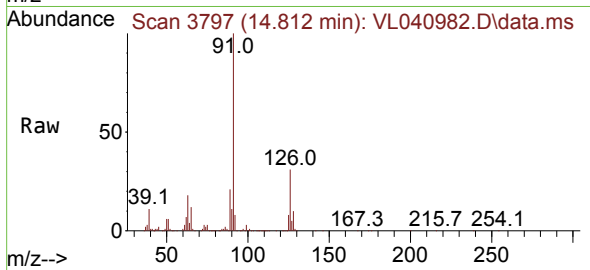




#71
2-Chlorotoluene
Concen: 9.324 ppbv
RT: 14.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

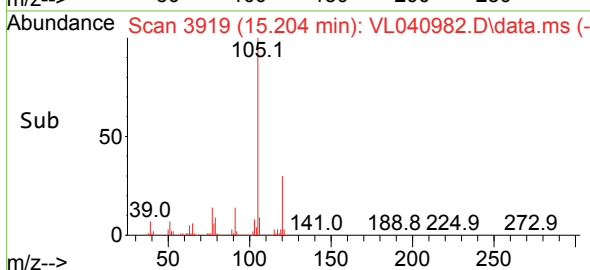
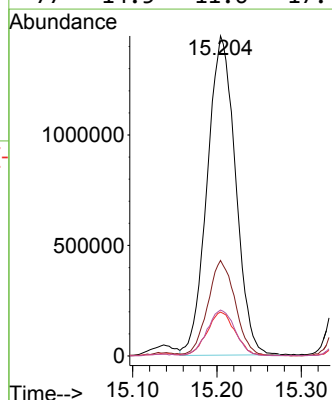
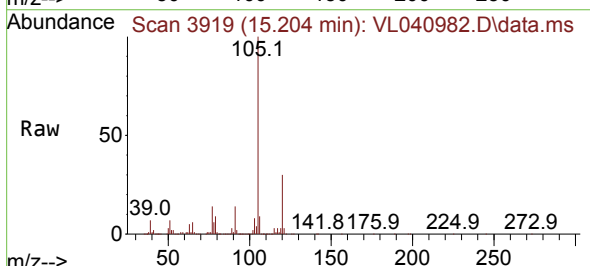
Instrument :
MSVOA_L
ClientSampleId :

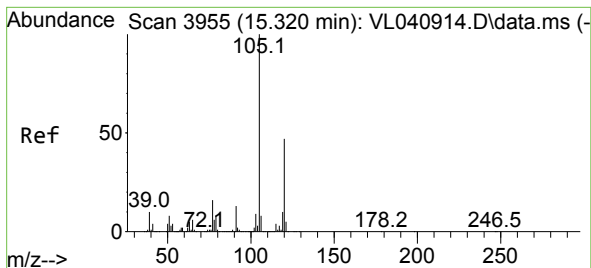
Tgt Ion: 91 Resp: 3300336
Ion Ratio Lower Upper
91 100
126 31.0 12.4 49.6



#72
4-Ethyltoluene
Concen: 9.904 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040982.D
Acq: 16 Jan 2024 11:29

Tgt Ion:105 Resp: 3368737
Ion Ratio Lower Upper
105 100
120 29.3 23.8 35.8
91 13.7 10.9 16.3
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.673 ppbv

RT: 15.362 min Scan# 3955

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

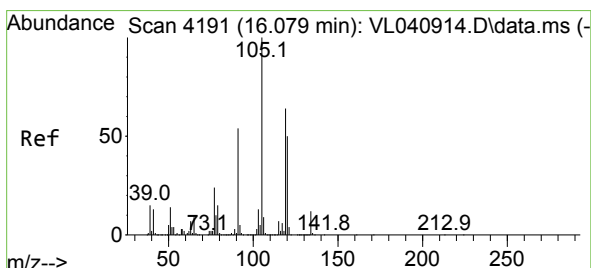
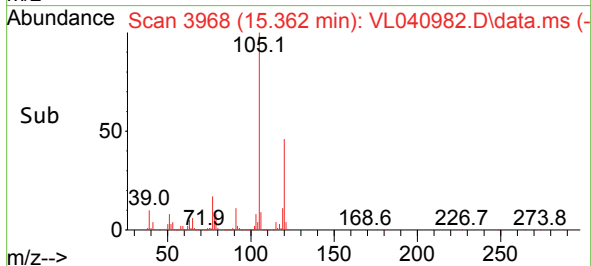
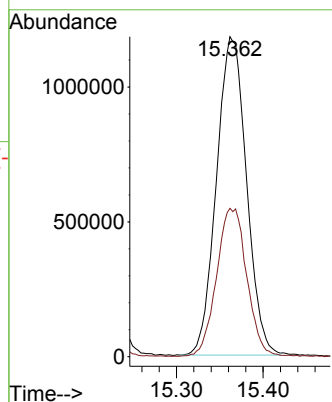
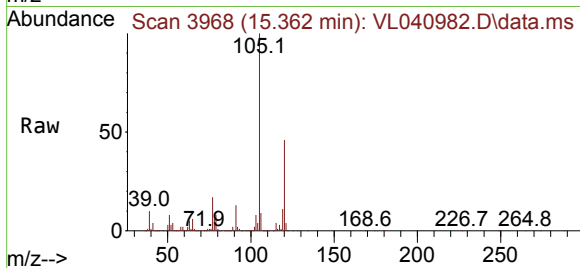
ClientSampleId :

Tgt Ion:105 Resp: 2839844

Ion Ratio Lower Upper

105 100

120 46.4 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.663 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Tgt Ion:105 Resp: 3157261

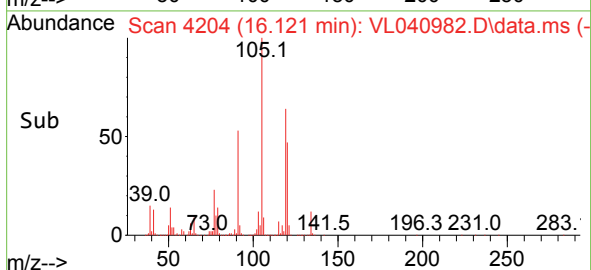
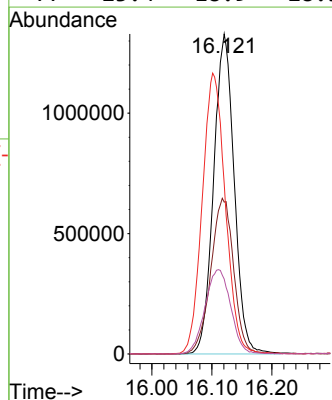
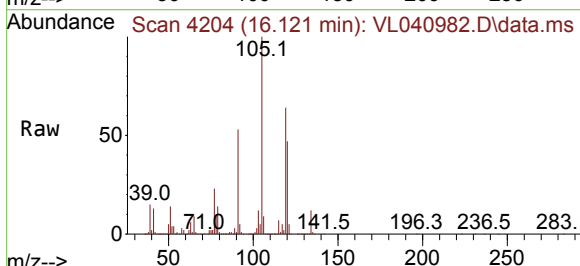
Ion Ratio Lower Upper

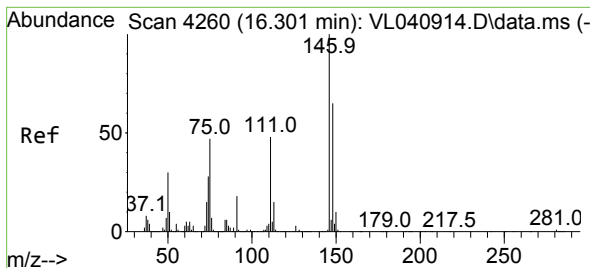
105 100

120 47.4 40.2 60.4

91 53.1 43.0 64.6

77 23.4 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 9.465 ppbv

RT: 16.346 min Scan# 4318

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

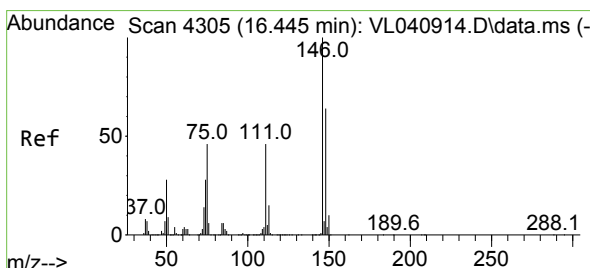
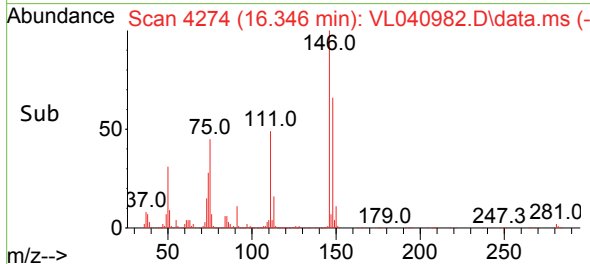
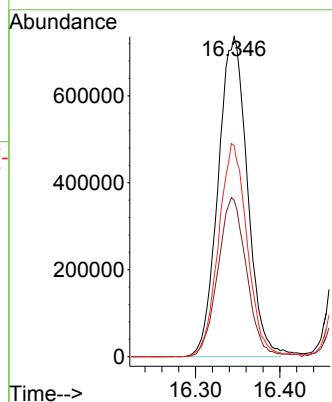
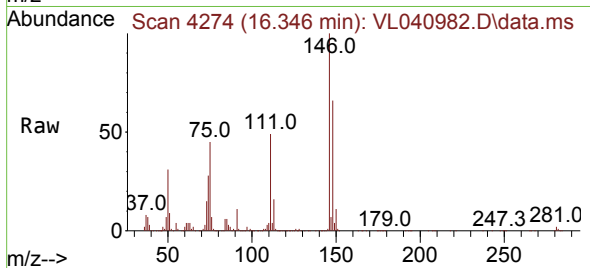
Tgt Ion:146 Resp: 1766598

Ion Ratio Lower Upper

146 100

111 49.1 24.7 74.1

148 65.6 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.430 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

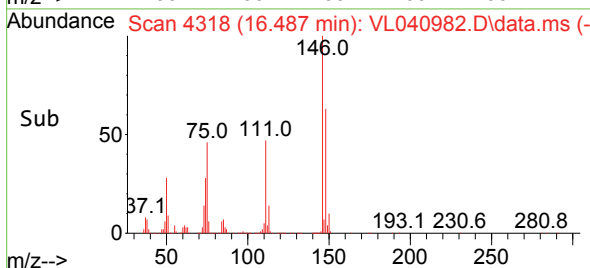
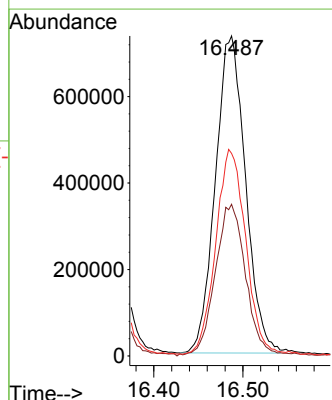
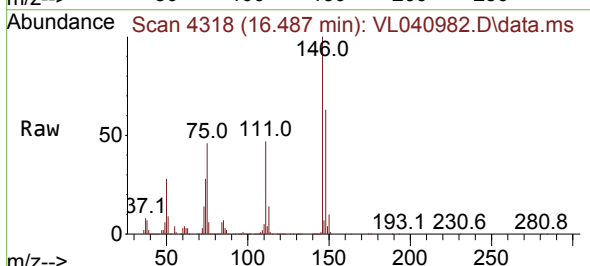
Tgt Ion:146 Resp: 1721683

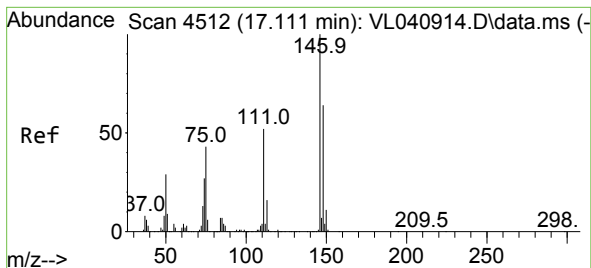
Ion Ratio Lower Upper

146 100

111 48.5 24.1 72.4

148 66.4 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.309 ppbv

RT: 17.156 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

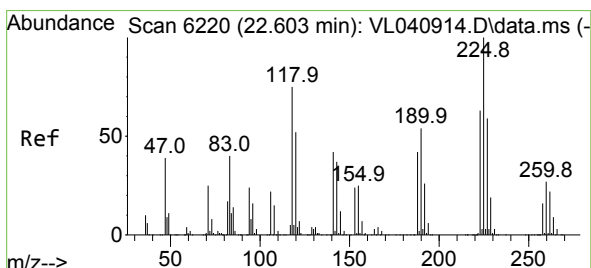
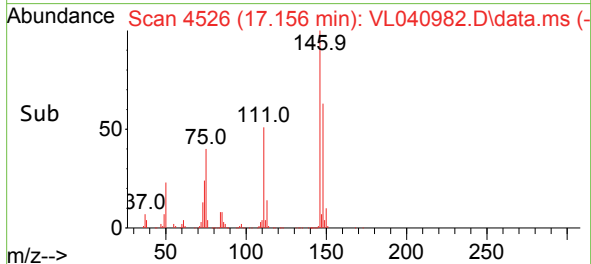
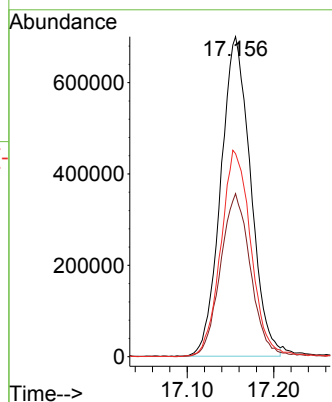
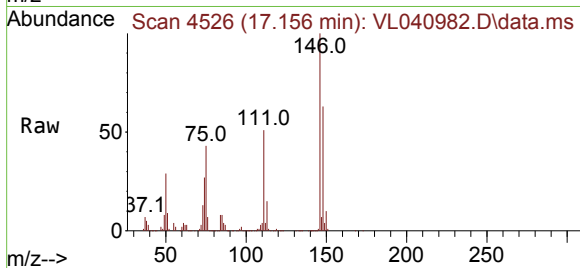
Tgt Ion:146 Resp: 1673753

Ion Ratio Lower Upper

146 100

111 51.9 25.5 76.5

148 65.7 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 8.188 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

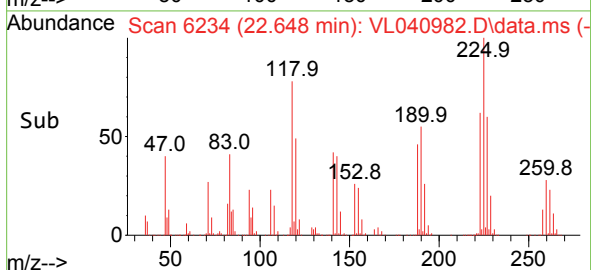
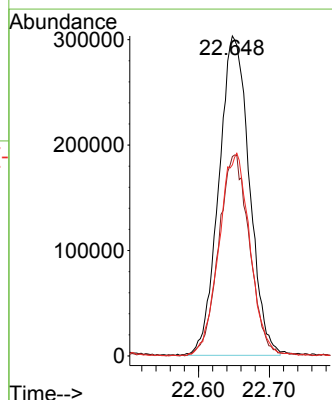
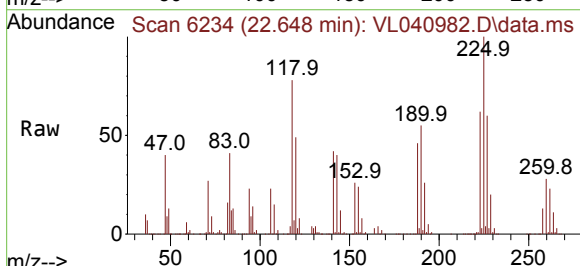
Tgt Ion:225 Resp: 905502

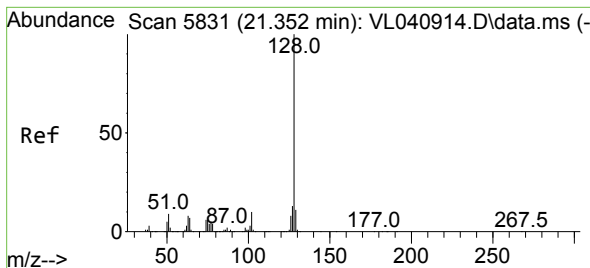
Ion Ratio Lower Upper

225 100

223 64.3 51.5 77.3

227 65.3 51.7 77.5





#79

Naphthalene

Concen: 13.255 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

Instrument :

MSVOA_L

ClientSampleId :

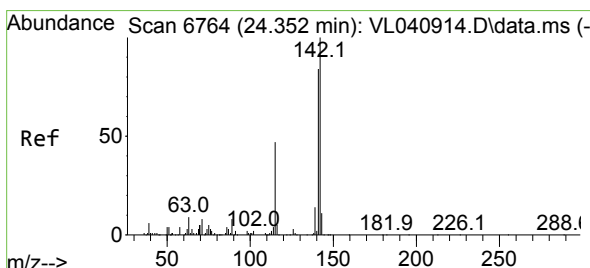
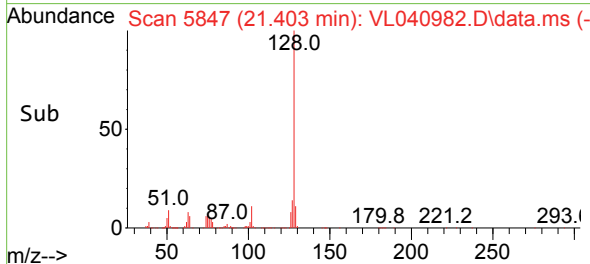
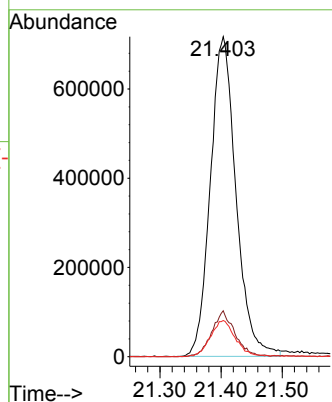
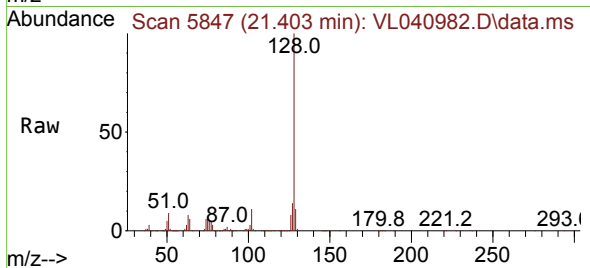
Tgt Ion:128 Resp: 2086706

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 11.3 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 13.734 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.000 min

Lab File: VL040982.D

Acq: 16 Jan 2024 11:29

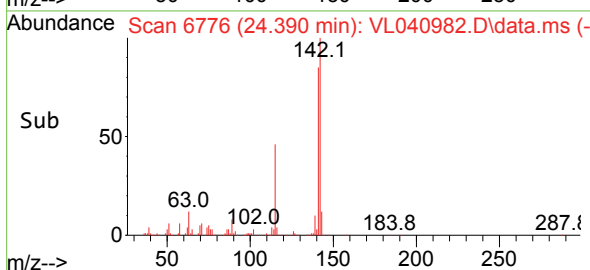
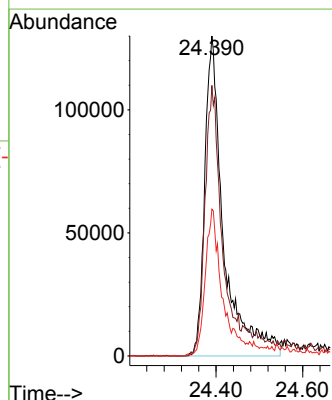
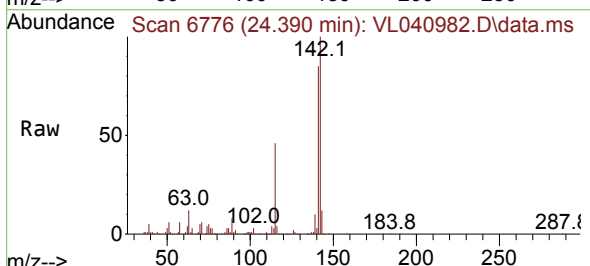
Tgt Ion:142 Resp: 395211

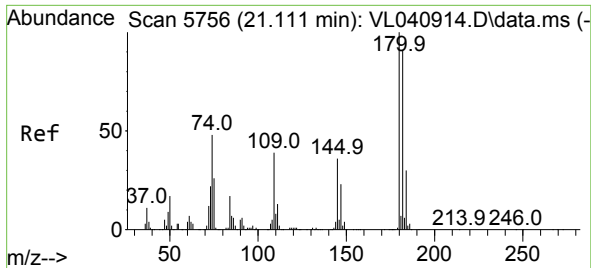
Ion Ratio Lower Upper

142 100

141 83.4 68.5 102.7

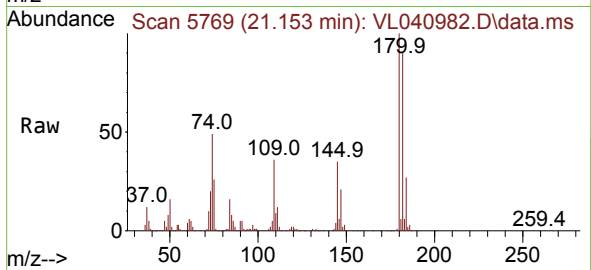
115 42.8 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.145 ppbv
 RT: 21.153 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL040982.D
 Acq: 16 Jan 2024 11:29

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	180	Resp:	1007355
Ion	Ratio	Lower	Upper
180	100		
182	102.0	79.4	119.0
184	31.9	24.5	36.7

