

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011624\
 Data File : VL040984.D
 Acq On : 16 Jan 2024 12:56
 Operator : SY/MD
 Sample : VL0116ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 17 00:24:45 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	5.201	49	1076069	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2957945	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2928687	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2142353 9.931 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.729	85	2260955	11.031 ppbv	99
3) Chlorodifluoromethane	2.671	51	1743443	10.766 ppbv	99
4) Chloromethane	2.809	50	651457	10.911 ppbv	94
5) Vinyl Chloride	2.922	62	644755	11.187 ppbv	97
6) Bromomethane	3.118	94	276634	10.819 ppbv	98
7) Chloroethane	3.198	64	232031	11.292 ppbv	95
8) Dichlorotetrafluoroethane	2.854	85	1676791	11.354 ppbv	98
9) Propene	2.693	41	570622	10.680 ppbv	98
10) Heptane	7.594	43	1471051	11.076 ppbv	99
11) Trichlorofluoromethane	3.565	101	1837066	11.464 ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	1318353	10.594 ppbv	98
13) Ethanol	3.240	45	110266	8.180 ppbv	94
14) Bromoethene	3.369	108	527935	11.575 ppbv	99
15) Acetone	3.472	43	1255327	9.727 ppbv	98
16) 1,3-Butadiene	2.983	39	624276	11.234 ppbv	99
17) tert-Butyl alcohol	3.883	59	1164795	12.201 ppbv	98
18) 1,1-Dichloroethene	3.886	96	586487	11.415 ppbv	93
19) Isopropyl Alcohol	3.578	45	765704	11.370 ppbv	100
20) Methylene Chloride	3.938	84	500462	10.879 ppbv	98
21) Allyl Chloride	4.002	41	842818	11.048 ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	627793	10.716 ppbv	94
23) Vinyl Acetate	4.632	43	1412275	9.920 ppbv	98
24) 1,1-Dichloroethane	4.571	63	1240596	9.741 ppbv	100
25) Ethyl Acetate	5.214	43	2289254	10.237 ppbv	99
26) Hexane	5.221	57	987416	9.963 ppbv	99
27) Carbon Disulfide	4.131	76	1462365	10.903 ppbv	97
28) Methyl tert-Butyl Ether	4.594	73	895566	9.738 ppbv	99
29) Chloroform	5.285	83	1773145	10.602 ppbv	98
30) Cyclohexane	6.613	84	918779	11.120 ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	947487	9.307 ppbv	96
32) 1,1,1-Trichloroethane	6.015	97	1822442	11.271 ppbv	99
34) 2-Butanone	4.793	43	1398360	8.937 ppbv	100
35) Carbon Tetrachloride	6.507	117	1932196	10.431 ppbv	98
36) Benzene	6.381	78	2299437	9.944 ppbv	100
37) 1,2-Dichloroethane	5.819	62	1415046	10.213 ppbv	99
38) Trichloroethene	7.307	130	897973	10.340 ppbv	97
39) 1,2-Dichloropropane	7.086	63	903476	9.943 ppbv	96
40) 1,4-Dioxane	7.301	88	357319	9.313 ppbv	97
41) Tetrahydrofuran	5.568	42	938181	9.855 ppbv	98
42) Bromodichloromethane	7.266	83	2025303	10.135 ppbv	98
43) Methyl Methacrylate	7.487	69	945333	10.423 ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3807931	9.695 ppbv	99
45) t-1,3-Dichloropropene	8.725	75	735249	10.926 ppbv	97

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Quant Time: Jan 17 00:24:45 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)
46) cis-1,3-Dichloropropene	8.156	75	886086	10.636	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	963323	9.994	ppbv	98
48) Dibromochloromethane	9.729	129	1712142	10.406	ppbv	98
49) Bromoform	12.426	173	1361202	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	2438249	10.289	ppbv	99
51) 2-Hexanone	9.565	43	1782791	10.452	ppbv #	100
52) Tetrachloroethene	10.632	164	778521	9.995	ppbv	99
53) Toluene	9.237	91	2599937	10.140	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1369182	10.351	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.529	131	1229869	9.603	ppbv	98
57) Chlorobenzene	11.545	112	2022379	9.377	ppbv	98
58) Ethyl Benzene	12.105	91	3545043	9.424	ppbv	100
59) m/p-Xylene	12.388	91	2950726	9.222	ppbv #	100
60) o-Xylene	13.076	91	2887281	9.577	ppbv	99
61) Styrene	12.915	104	1461874	10.201	ppbv	99
62) Isopropylbenzene	14.047	105	4171779	9.331	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	2082660	9.589	ppbv	99
64) n-propylbenzene	14.931	120	1075893	9.594	ppbv	97
65) tert-Butylbenzene	16.111	119	3633710	9.562	ppbv	99
66) Benzyl Chloride	16.346	91	193092	7.425	ppbv	98
67) sec-Butylbenzene	16.654	105	5129049	9.287	ppbv	99
69) p-Isopropyltoluene	17.011	119	4099792	9.551	ppbv	99
70) n-Butylbenzene	17.902	91	4343795	9.747	ppbv	99
71) 2-Chlorotoluene	14.815	91	3262428	9.476	ppbv	99
72) 4-Ethyltoluene	15.207	105	3297989	9.967	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2798828	9.800	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	3074473	9.673	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	1741308	9.592	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1680640	9.463	ppbv	100
77) 1,2-Dichlorobenzene	17.156	146	1648318	9.424	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	875583	8.140	ppbv	99
79) Naphthalene	21.403	128	1935847	12.641	ppbv	98
80) Naphthalene,2-methyl-	24.394	142	354673	12.671	ppbv	95
81) 1,2,4-Trichlorobenzene	21.162	180	985886	11.214	ppbv	98

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

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ClientSampleId :

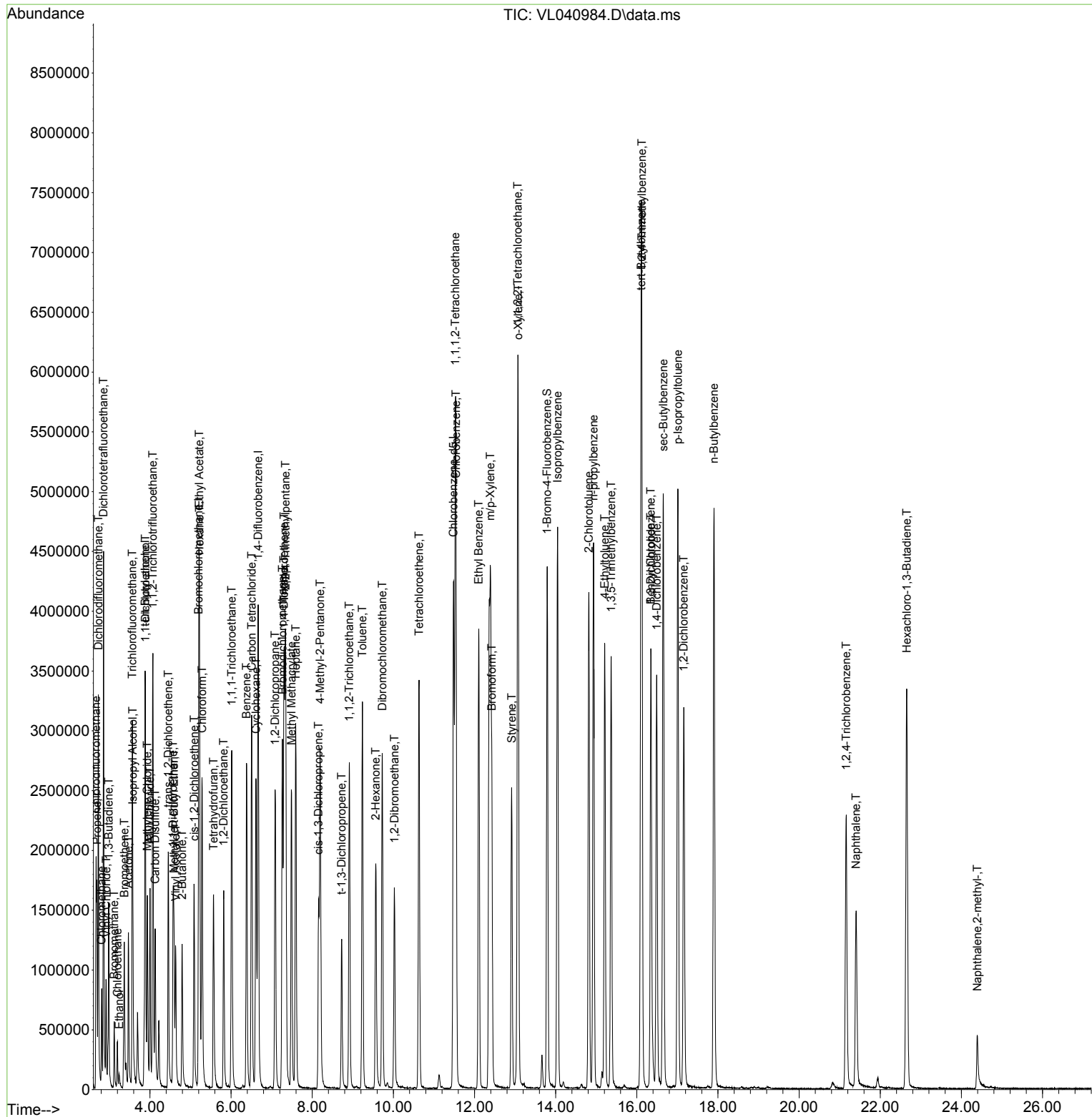
Quant Time: Jan 17 00:24:45 2024

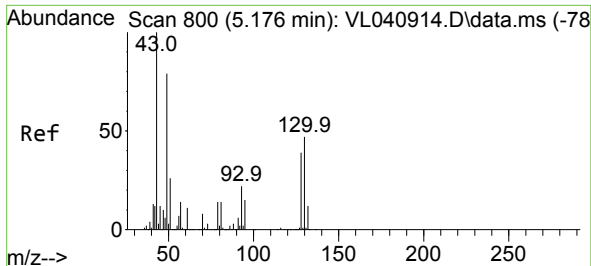
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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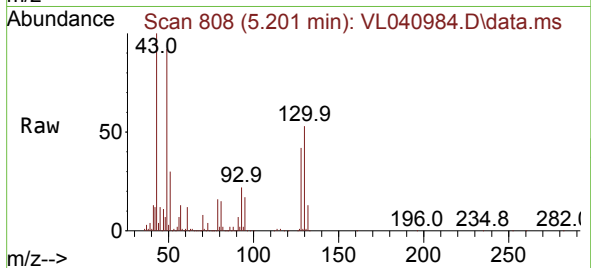
Response via : Initial Calibration



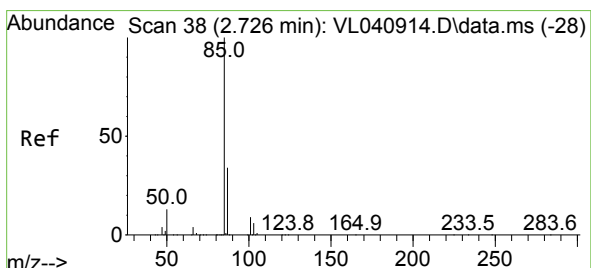
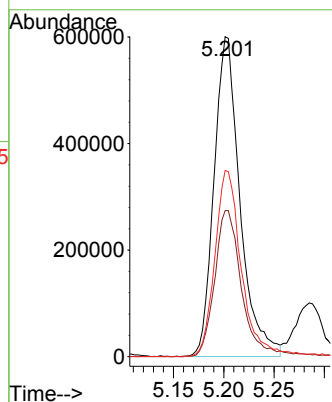
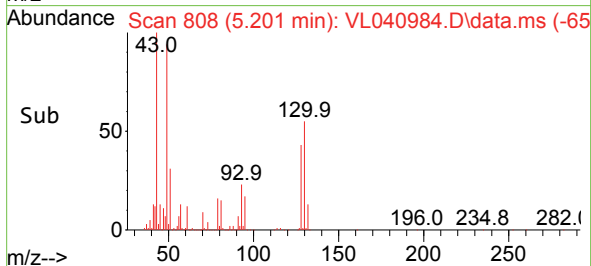


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

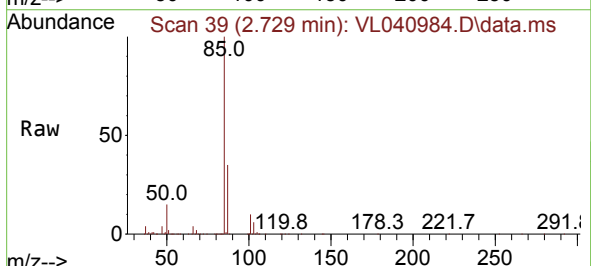
Instrument :
 MSVOA_L
 ClientSampleId :



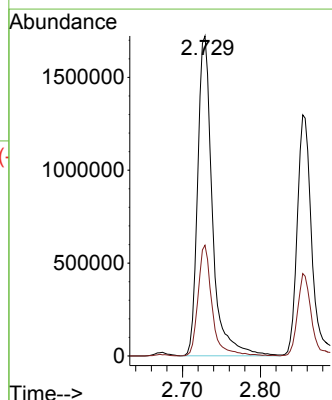
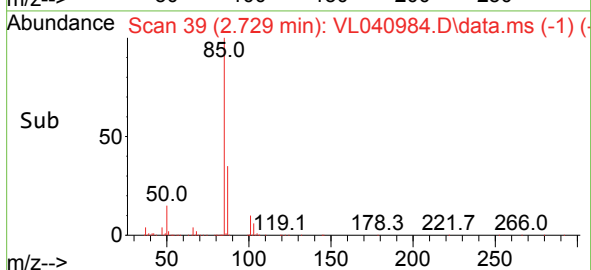
Tgt Ion: 49 Resp: 1076069
 Ion Ratio Lower Upper
 49 100
 128 48.3 23.8 71.2
 130 61.0 30.1 90.5

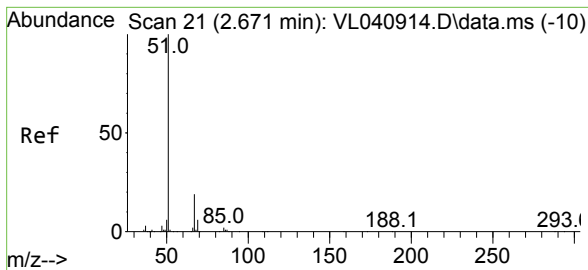


#2
 Dichlorodifluoromethane
 Concen: 11.031 ppbv
 RT: 2.729 min Scan# 39
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56



Tgt Ion: 85 Resp: 2260955
 Ion Ratio Lower Upper
 85 100
 87 34.6 27.0 40.6

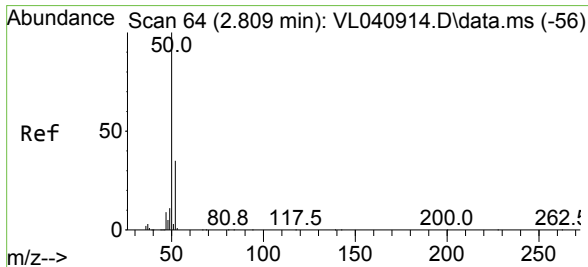
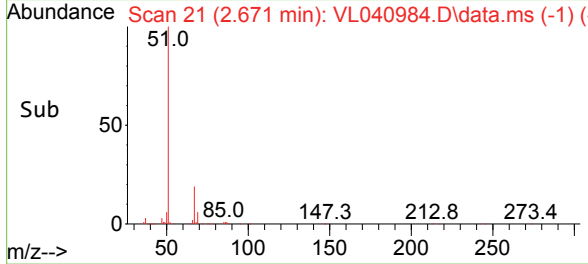
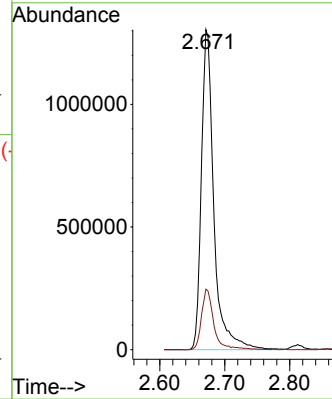
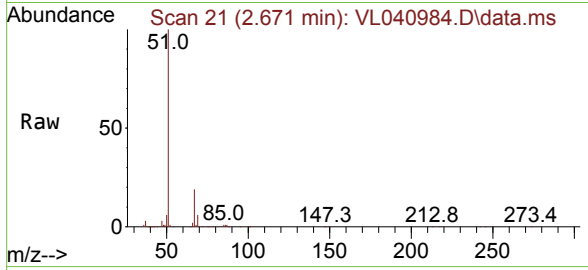




#3
 Chlorodifluoromethane
 Concen: 10.766 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

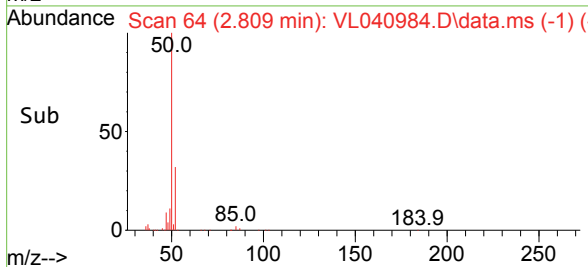
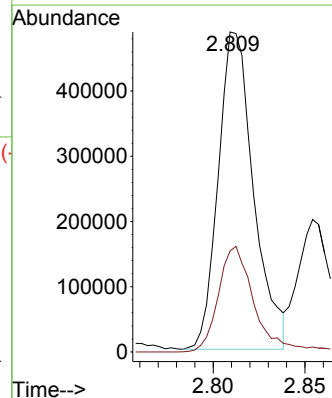
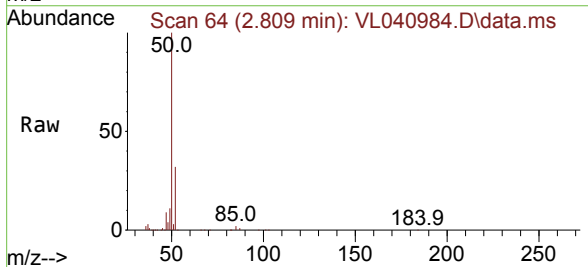
Instrument :
 MSVOA_L
 ClientSampleId :

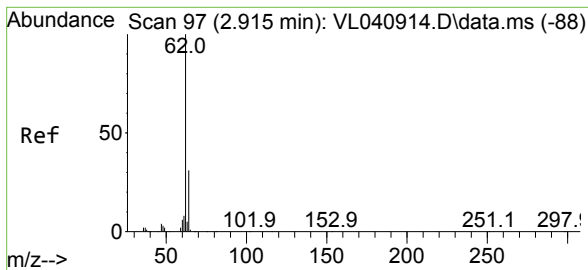
Tgt Ion: 51 Resp: 1743443
 Ion Ratio Lower Upper
 51 100
 67 18.7 14.7 22.1



#4
 Chloromethane
 Concen: 10.911 ppbv
 RT: 2.809 min Scan# 64
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion: 50 Resp: 651457
 Ion Ratio Lower Upper
 50 100
 52 31.8 28.0 42.0

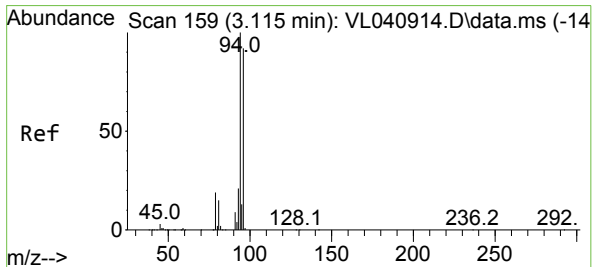
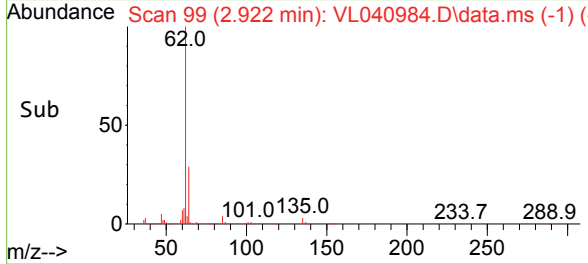
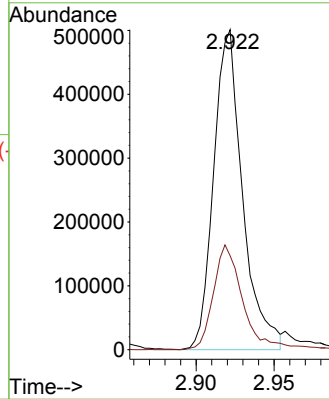
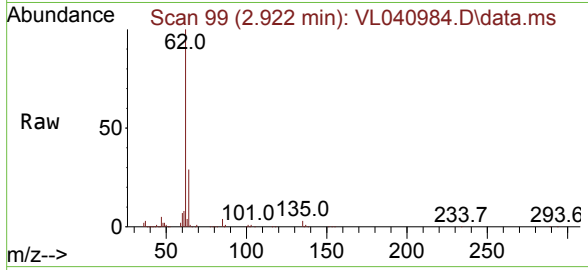




#5
 Vinyl Chloride
 Concen: 11.187 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

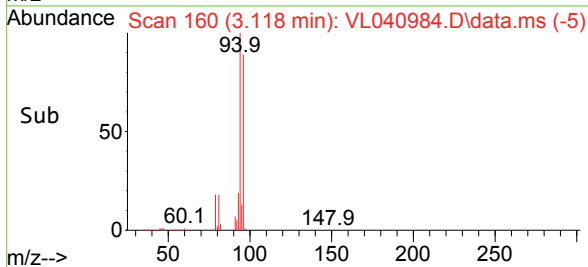
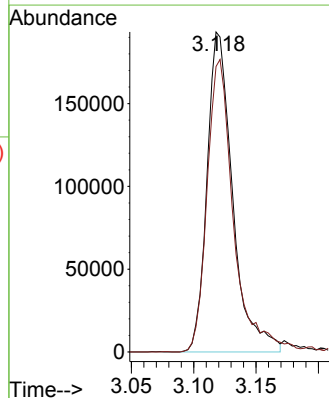
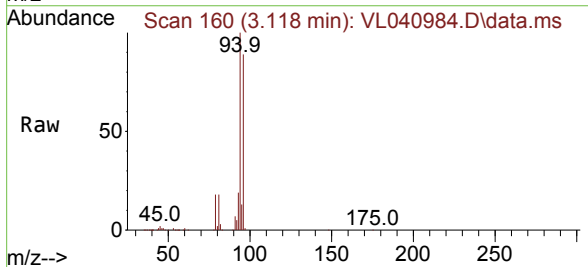
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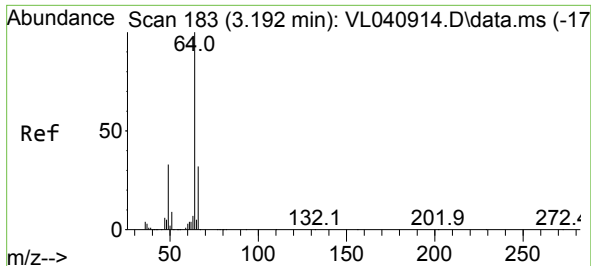
Tgt Ion: 62 Resp: 644755
 Ion Ratio Lower Upper
 62 100
 64 29.4 24.9 37.3



#6
 Bromomethane
 Concen: 10.819 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion: 94 Resp: 276634
 Ion Ratio Lower Upper
 94 100
 96 89.2 73.2 109.8

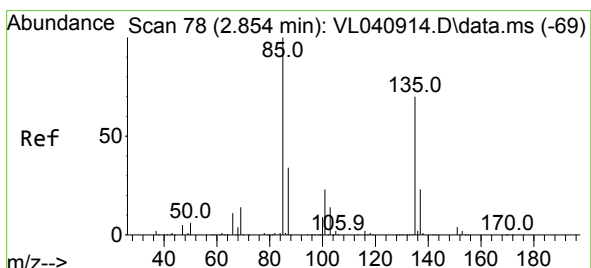
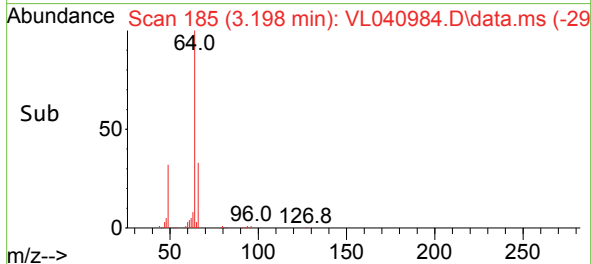
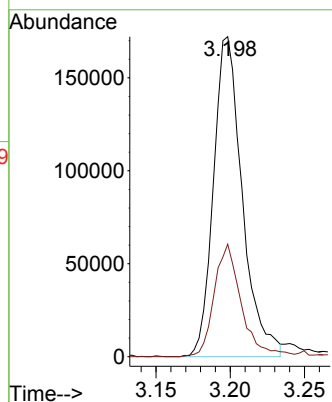
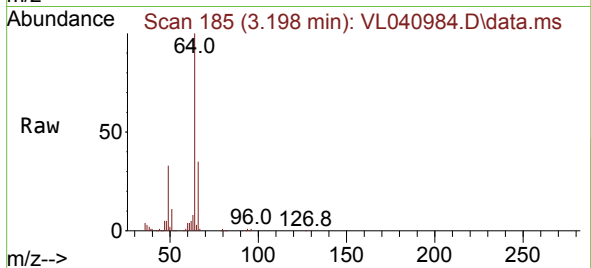




#7
Chloroethane
Concen: 11.292 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

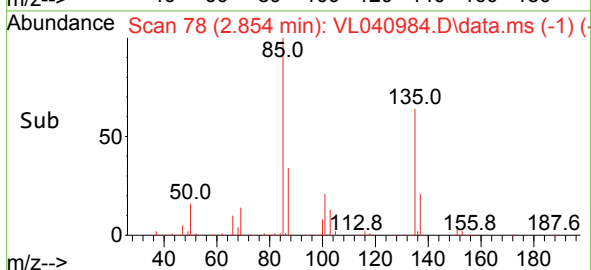
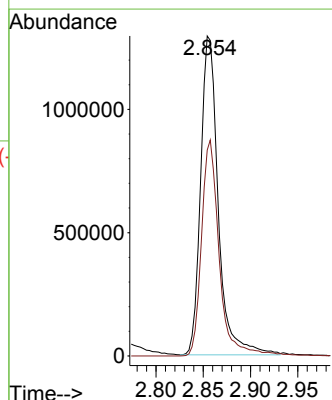
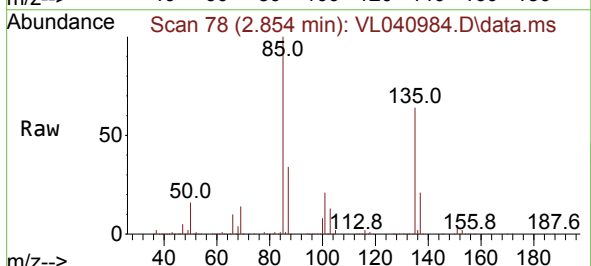
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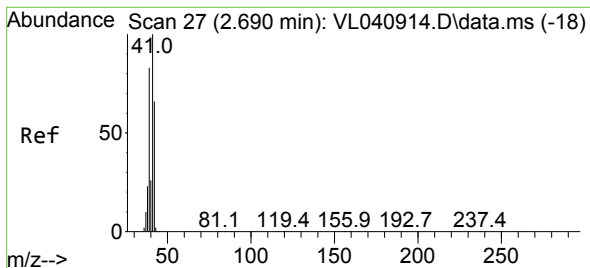
Tgt Ion: 64 Resp: 232031
Ion Ratio Lower Upper
64 100
66 35.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 11.354 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 85 Resp: 1676791
Ion Ratio Lower Upper
85 100
135 68.6 55.8 83.8





#9

Propene

Concen: 10.680 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

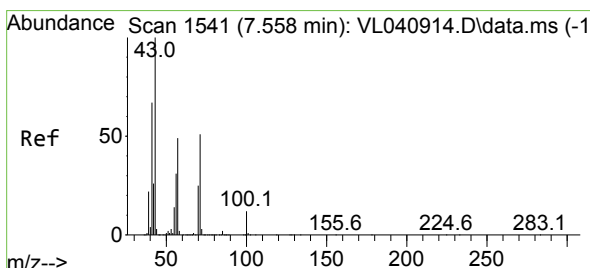
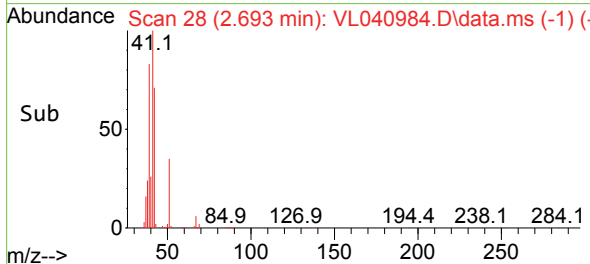
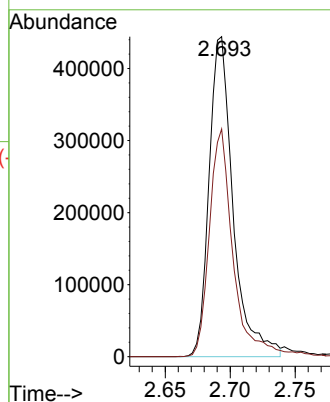
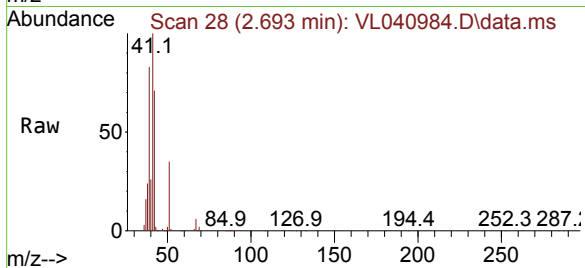
ClientSampleId :

Tgt Ion: 41 Resp: 570622

Ion Ratio Lower Upper

41 100

42 71.3 55.8 83.6



#10

Heptane

Concen: 11.076 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. 0.006 min

Lab File: VL040984.D

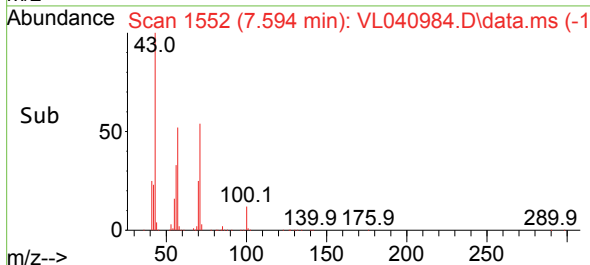
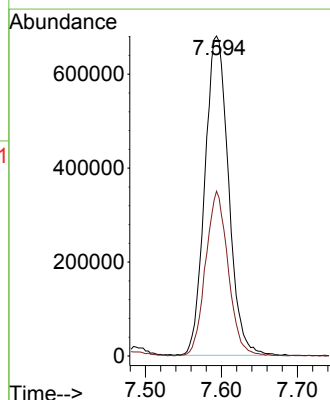
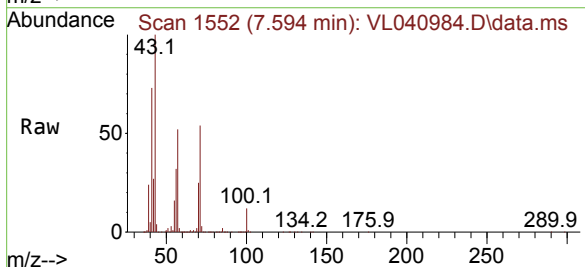
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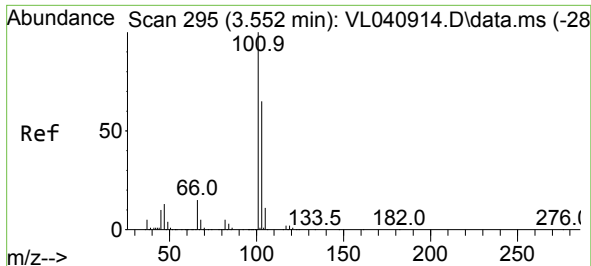
Tgt Ion: 43 Resp: 1471051

Ion Ratio Lower Upper

43 100

57 49.5 39.3 58.9

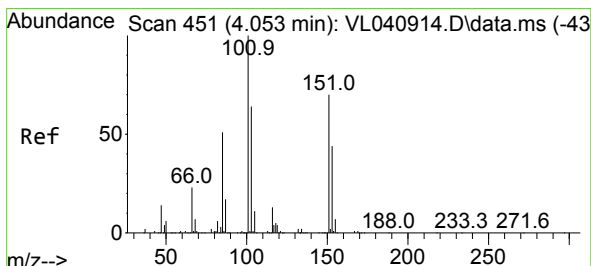
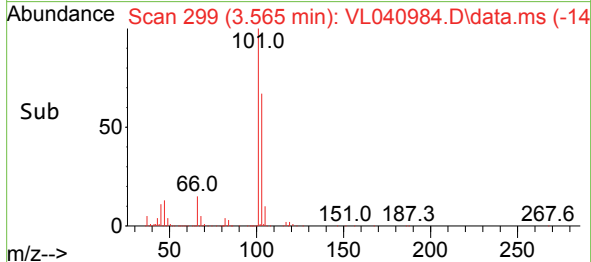
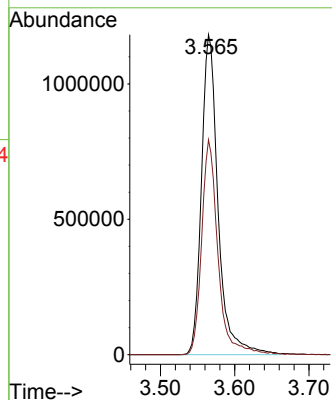
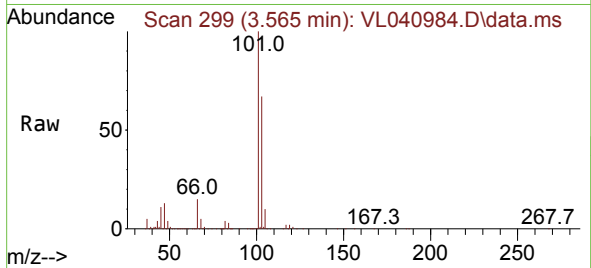




#11
 Trichlorofluoromethane
 Concen: 11.464 ppbv
 RT: 3.565 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

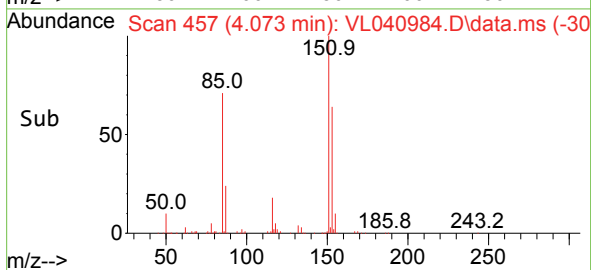
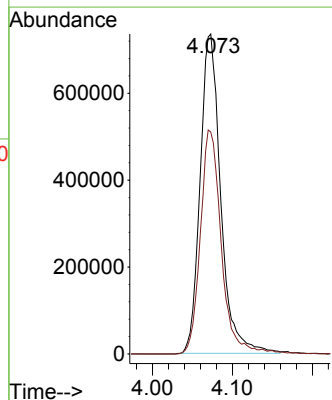
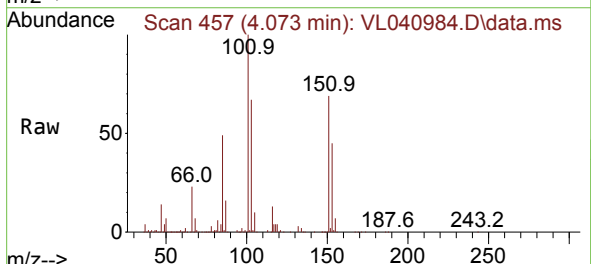
Instrument :
 MSVOA_L
 ClientSampleId :

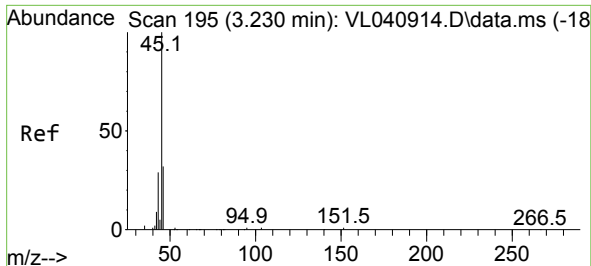
Tgt Ion:101 Resp: 1837066
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.594 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion:101 Resp: 1318353
 Ion Ratio Lower Upper
 101 100
 151 71.7 55.8 83.8

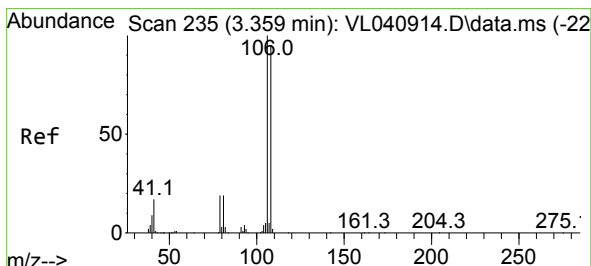
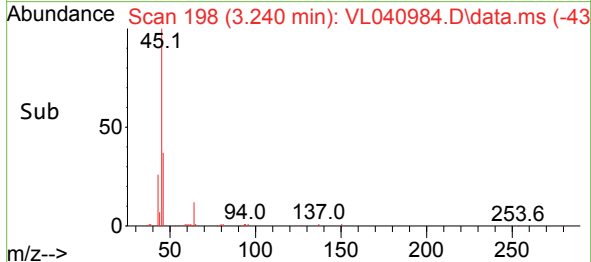
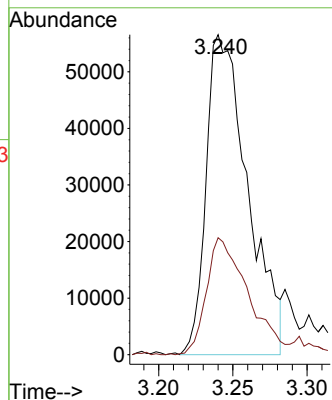
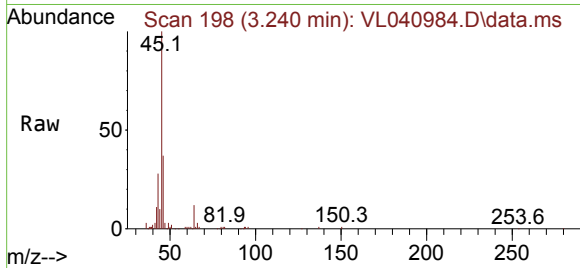




#13
Ethanol
Concen: 8.180 ppbv
RT: 3.240 min Scan# 195
Delta R.T. -0.000 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

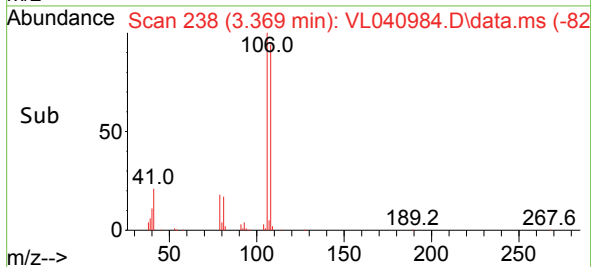
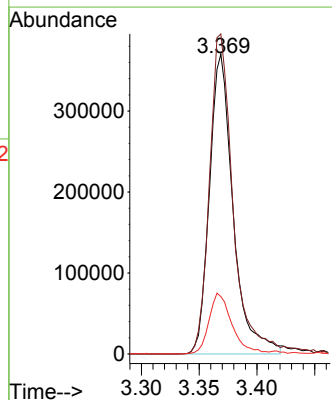
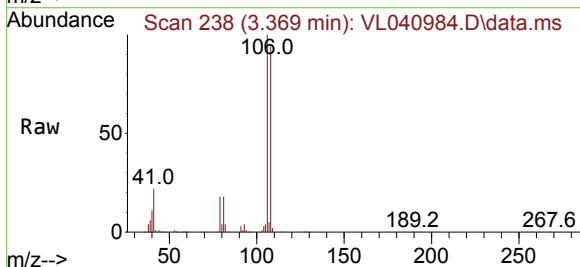
Instrument :
MSVOA_L
ClientSampleId :

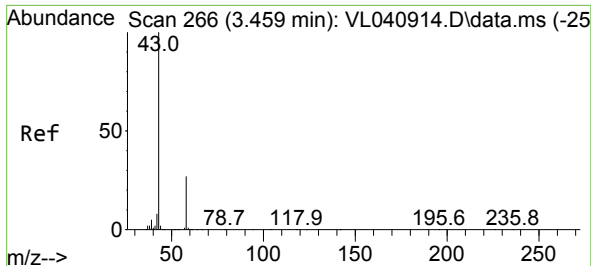
Tgt Ion: 45 Resp: 110266
Ion Ratio Lower Upper
45 100
46 41.0 15.0 60.0



#14
Bromoethene
Concen: 11.575 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion:108 Resp: 527935
Ion Ratio Lower Upper
108 100
106 108.6 87.5 131.3
79 20.9 16.6 24.8

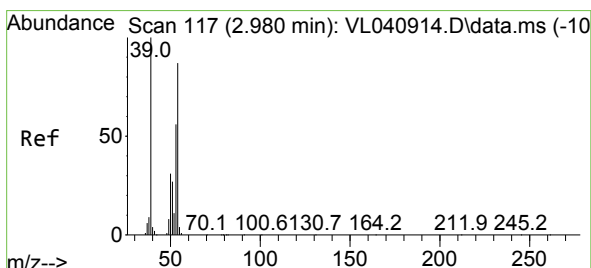
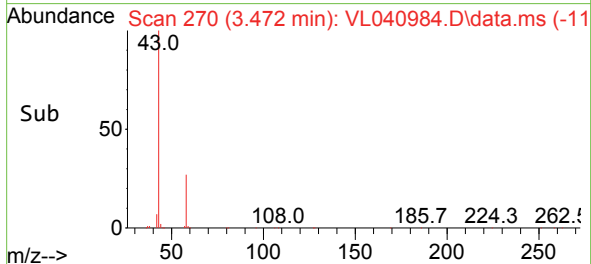
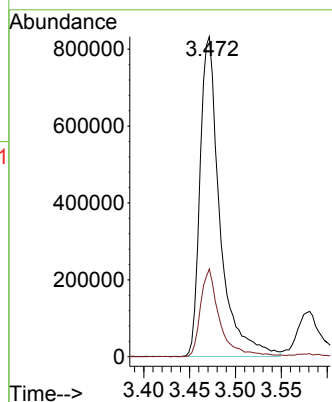
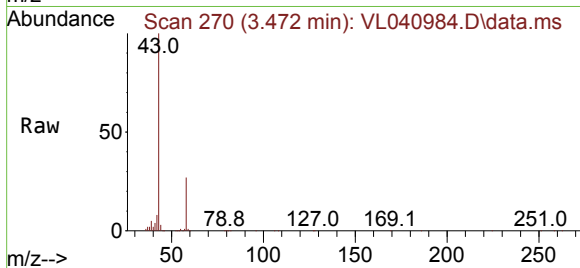




#15
Acetone
Concen: 9.727 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

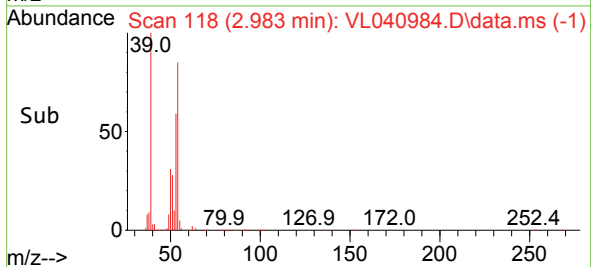
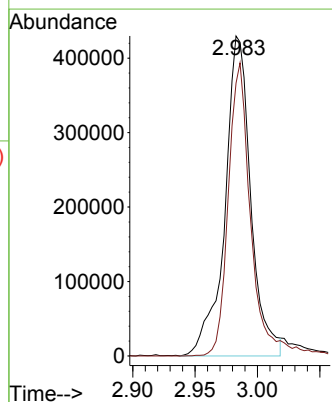
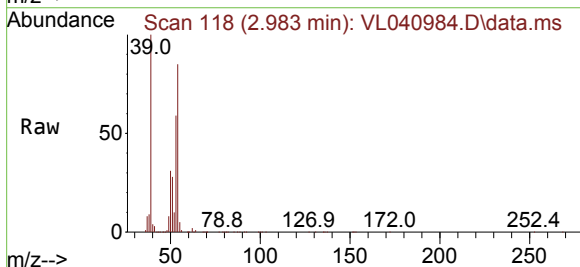
Instrument :
MSVOA_L
ClientSampleId :

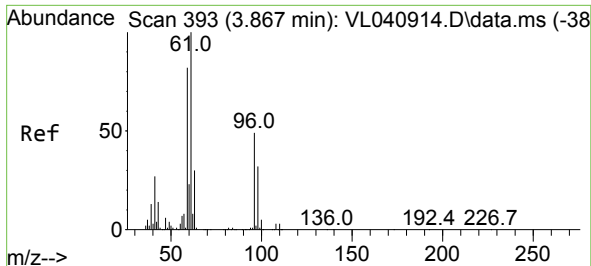
Tgt Ion: 43 Resp: 1255327
Ion Ratio Lower Upper
43 100
58 26.7 20.6 30.8



#16
1,3-Butadiene
Concen: 11.234 ppbv
RT: 2.983 min Scan# 118
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 39 Resp: 624276
Ion Ratio Lower Upper
39 100
54 80.8 63.8 95.6





#17

tert-Butyl alcohol

Concen: 12.201 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

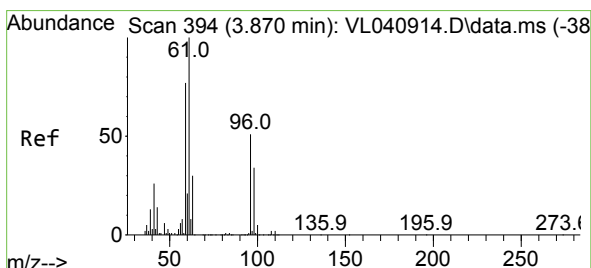
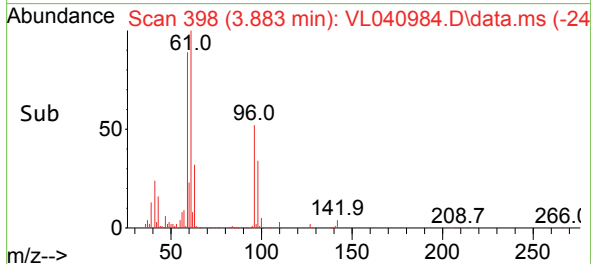
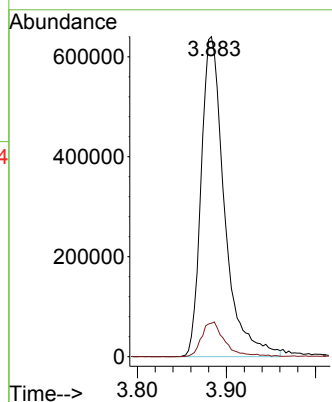
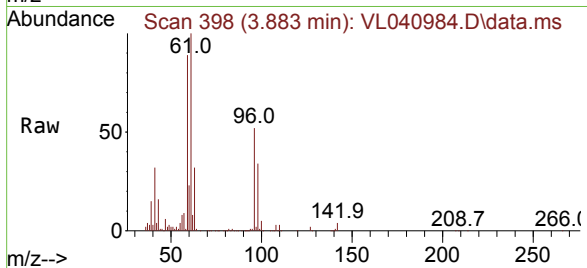
ClientSampleId :

Tgt Ion: 59 Resp: 1164795

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



#18

1,1-Dichloroethene

Concen: 11.415 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

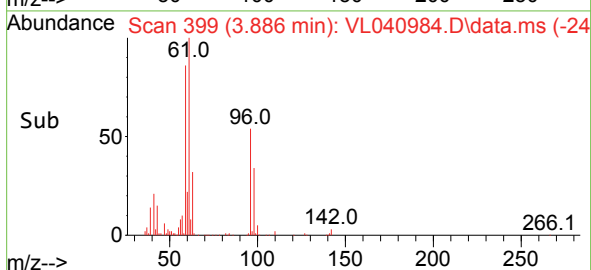
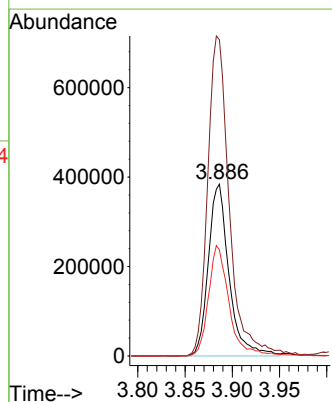
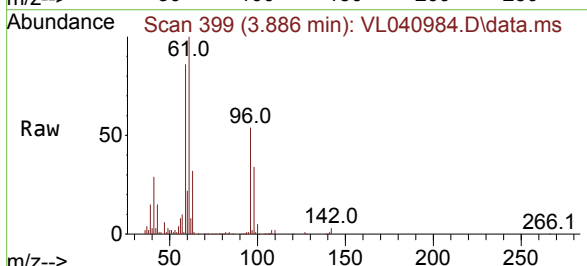
Tgt Ion: 96 Resp: 586487

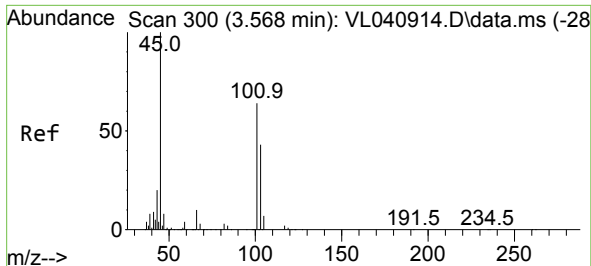
Ion Ratio Lower Upper

96 100

61 184.0 156.6 235.0

98 61.8 52.5 78.7

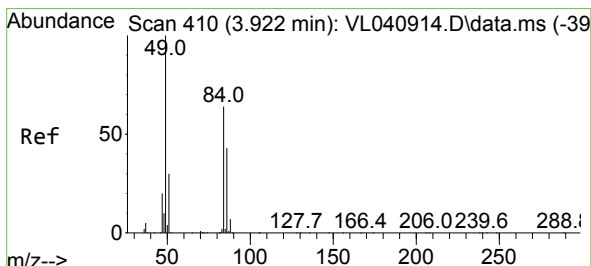
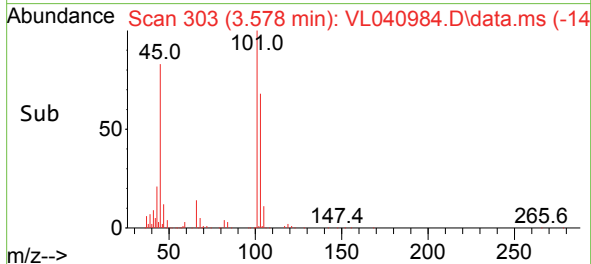
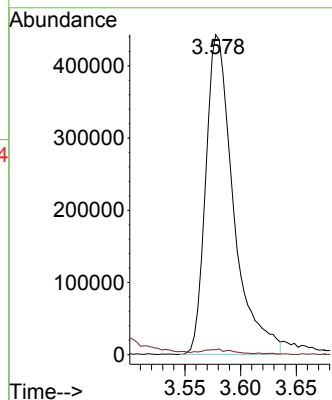
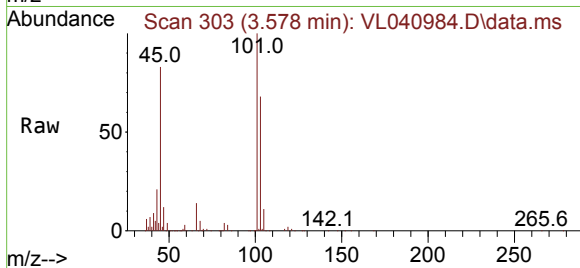




#19
Isopropyl Alcohol
Concen: 11.370 ppbv
RT: 3.578 min Scan# 300
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

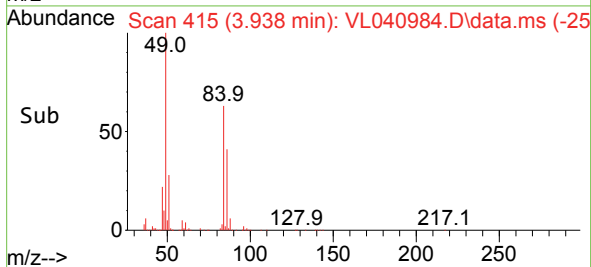
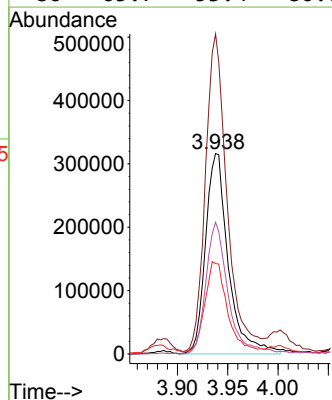
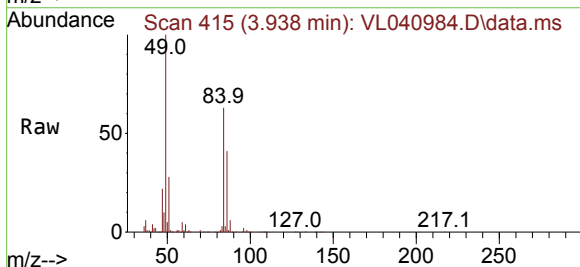
Instrument :
MSVOA_L
ClientSampleId :

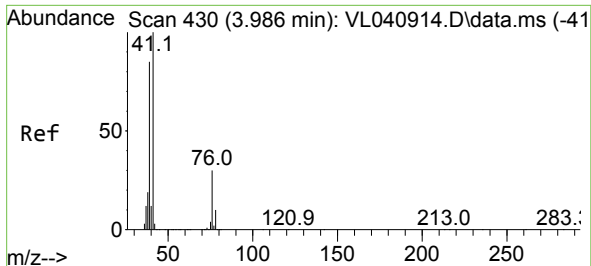
Tgt Ion: 45 Resp: 765704
Ion Ratio Lower Upper
45 100
58 2.0 1.5 2.3



#20
Methylene Chloride
Concen: 10.879 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 84 Resp: 500462
Ion Ratio Lower Upper
84 100
49 157.7 124.6 187.0
51 43.7 37.2 55.8
86 65.7 53.4 80.0

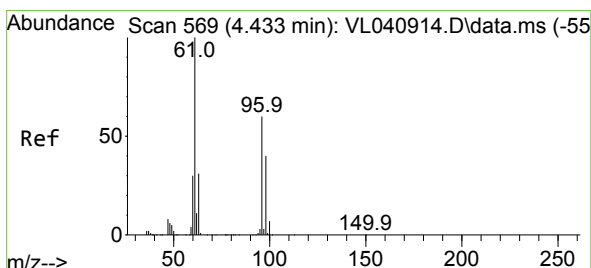
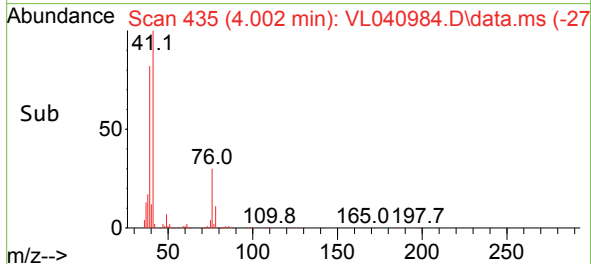
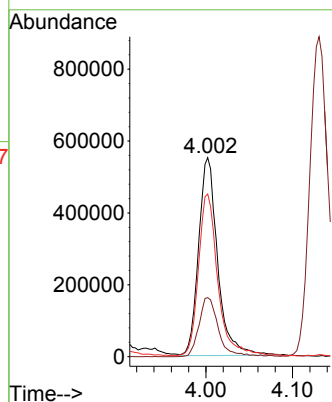
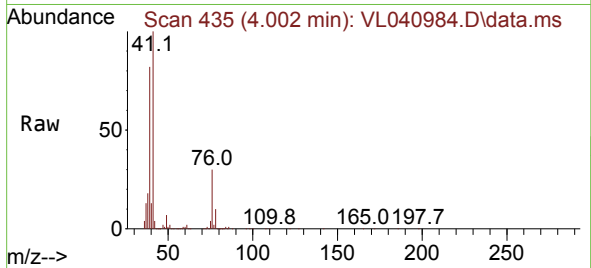




#21
 Allyl Chloride
 Concen: 11.048 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

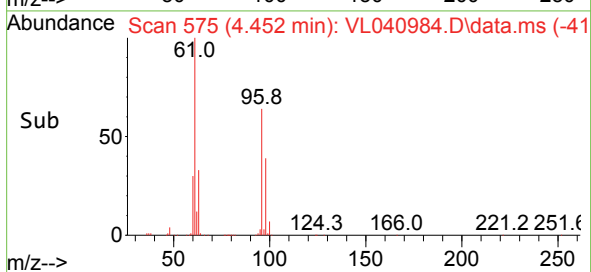
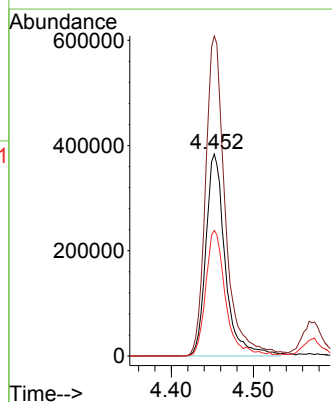
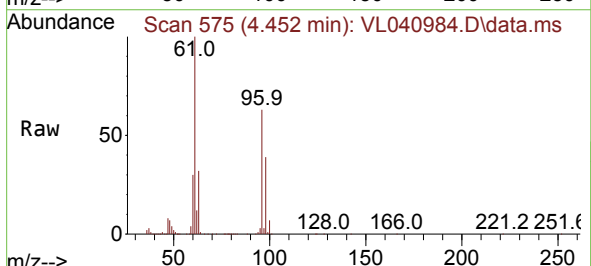
Instrument :
 MSVOA_L
 ClientSampleId :

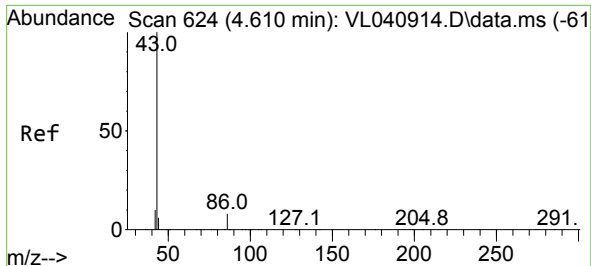
Tgt Ion: 41 Resp: 842818
 Ion Ratio Lower Upper
 41 100
 76 30.7 23.9 35.9
 39 83.8 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.716 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

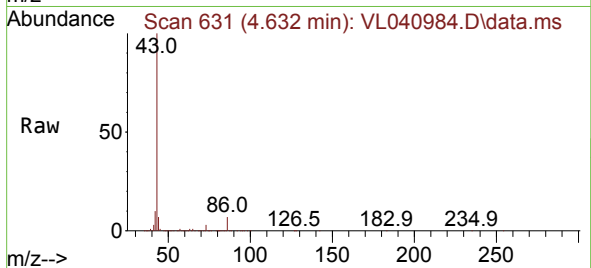
Tgt Ion: 96 Resp: 627793
 Ion Ratio Lower Upper
 96 100
 61 158.5 133.0 199.6
 98 62.1 53.7 80.5





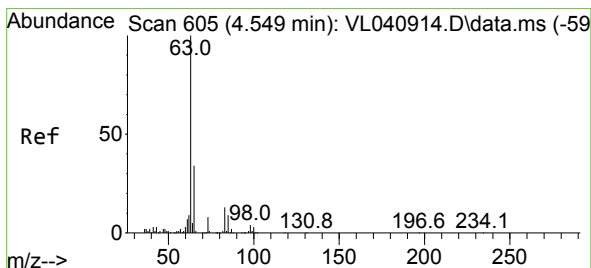
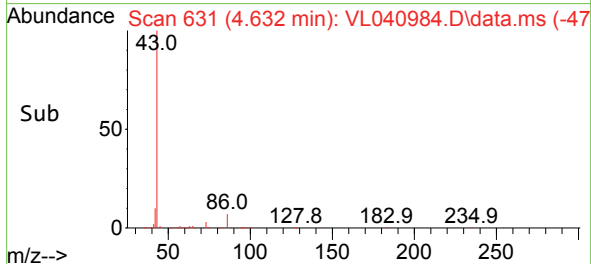
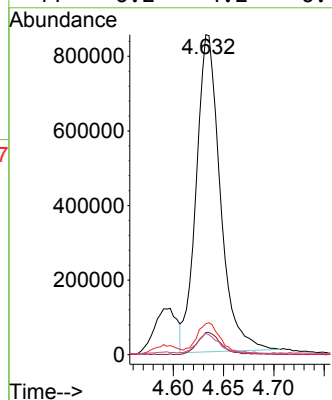
#23
 Vinyl Acetate
 Concen: 9.920 ppbv
 RT: 4.632 min Scan# 612
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1412275

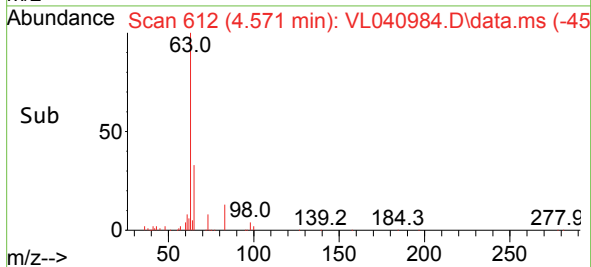
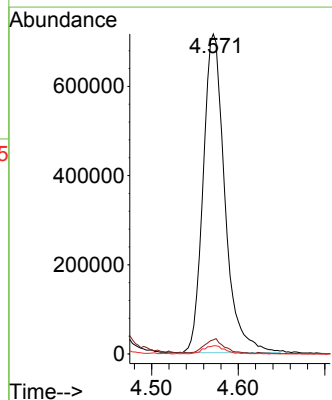
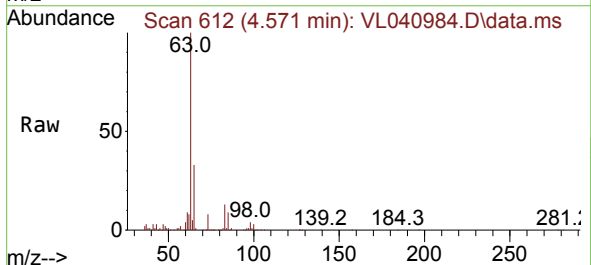
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	9.6	8.4	12.6
44	6.2	4.2	6.4

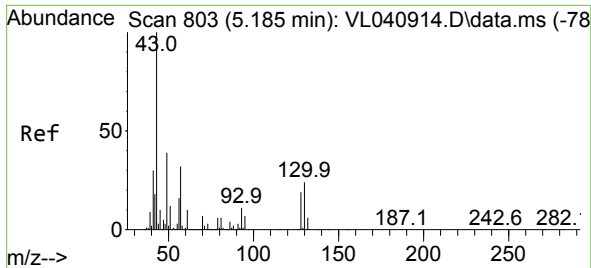


#24
 1,1-Dichloroethane
 Concen: 9.741 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion: 63 Resp: 1240596

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.6	1.4	4.2



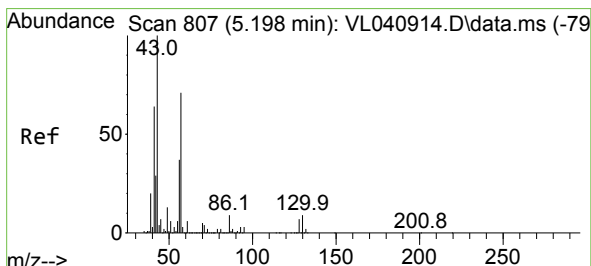
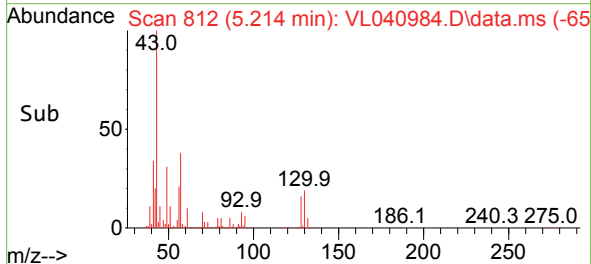
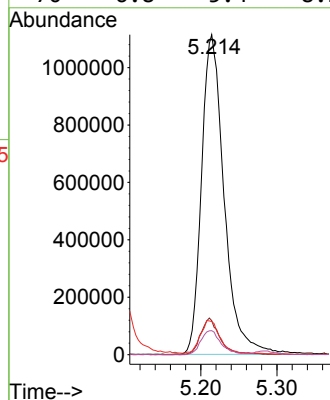
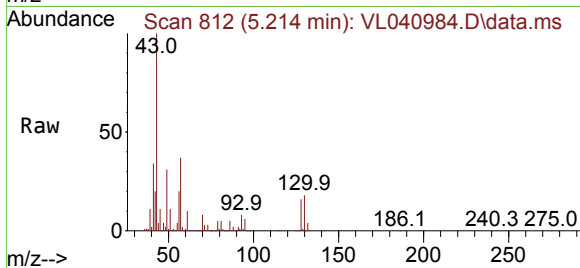


#25
Ethyl Acetate
Concen: 10.237 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2289254

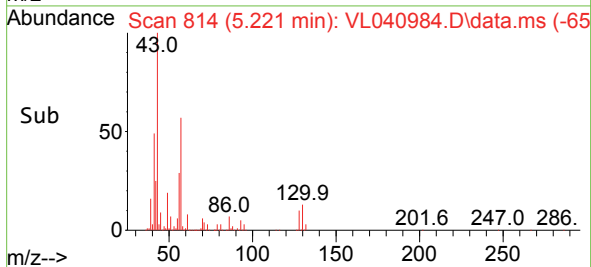
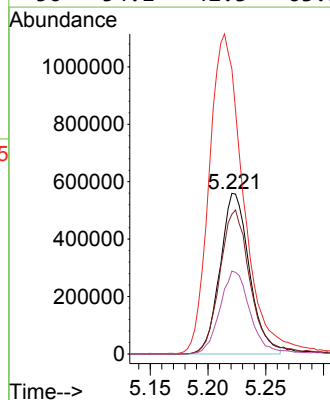
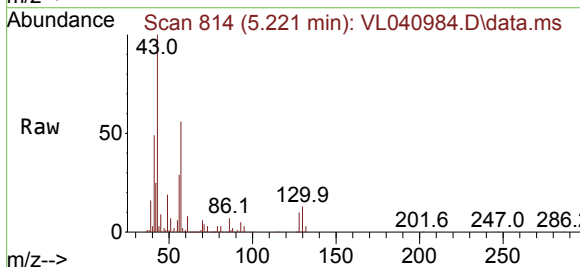
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	9.9	7.6	11.4
70	6.8	5.4	8.2

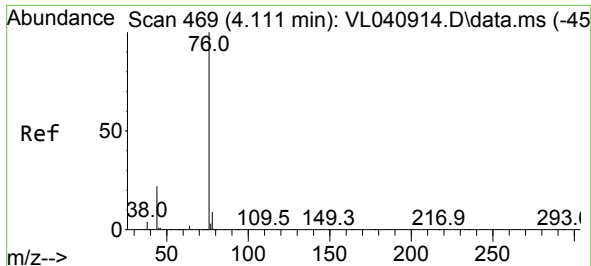


#26
Hexane
Concen: 9.963 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 57 Resp: 987416

Ion	Ratio	Lower	Upper
57	100		
41	94.8	75.2	112.8
43	234.4	188.0	282.0
56	54.1	42.3	63.5

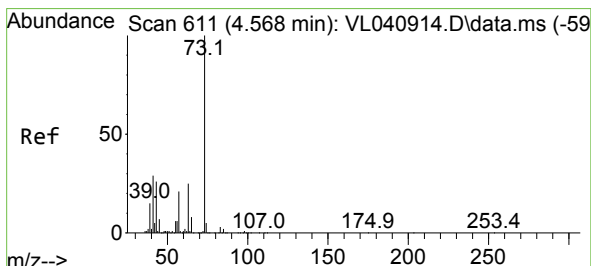
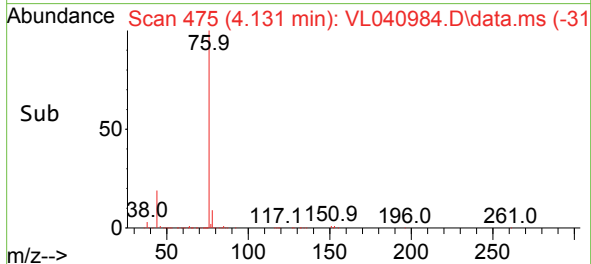
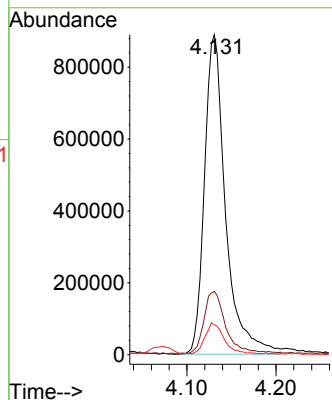
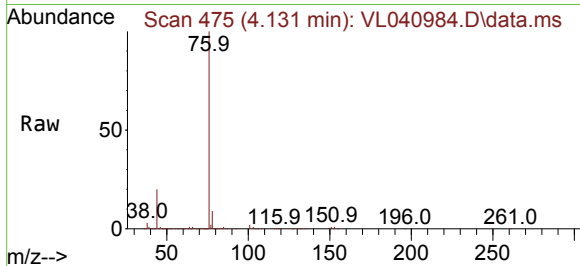




#27
Carbon Disulfide
Concen: 10.903 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

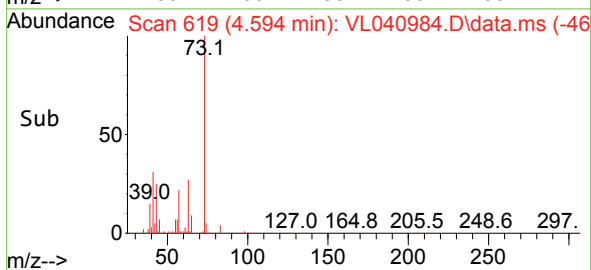
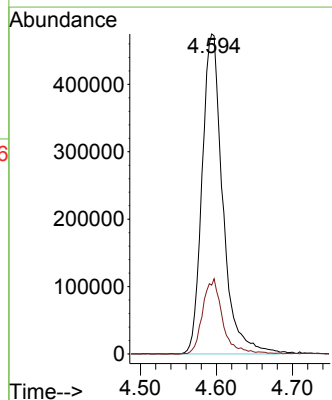
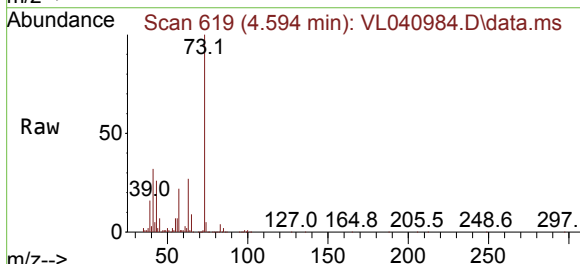
Instrument :
MSVOA_L
ClientSampleId :

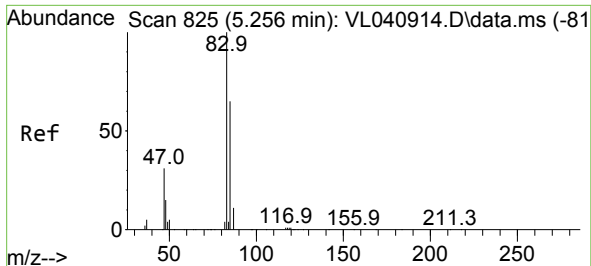
Tgt Ion: 76 Resp: 1462365
Ion Ratio Lower Upper
76 100
44 21.1 18.4 27.6
78 9.7 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 9.738 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 73 Resp: 895566
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0





#29

Chloroform

Concen: 10.602 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

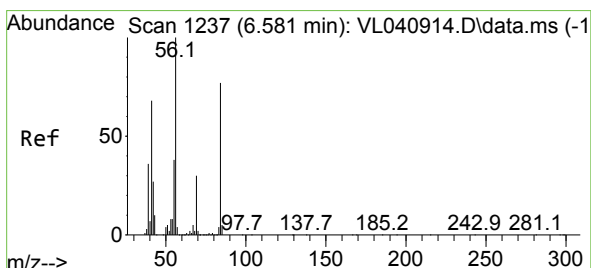
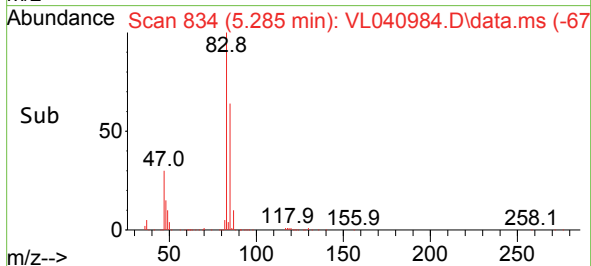
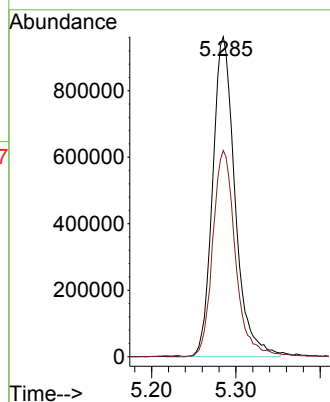
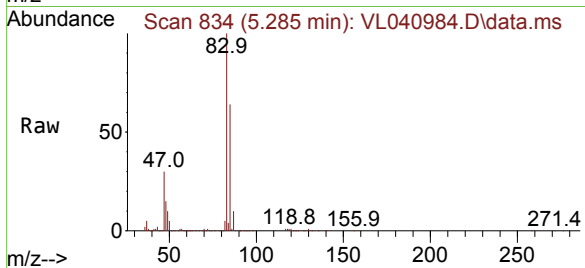
ClientSampleId :

Tgt Ion: 83 Resp: 1773145

Ion Ratio Lower Upper

83 100

85 64.1 52.3 78.5



#30

Cyclohexane

Concen: 11.120 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

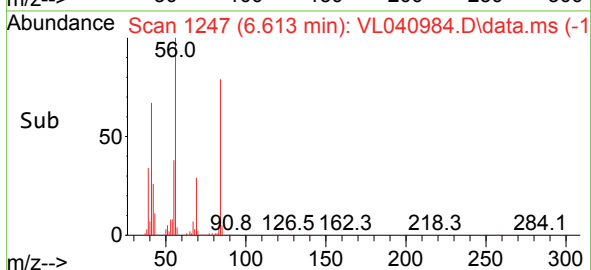
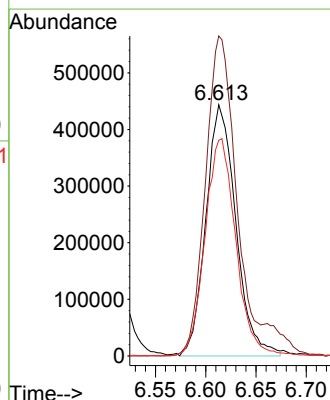
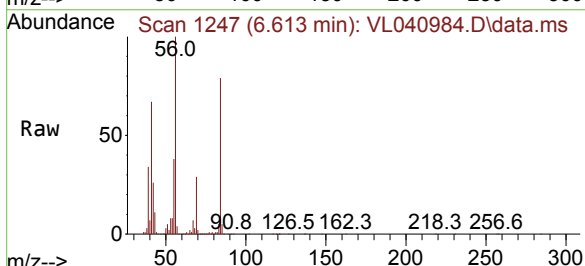
Tgt Ion: 84 Resp: 918779

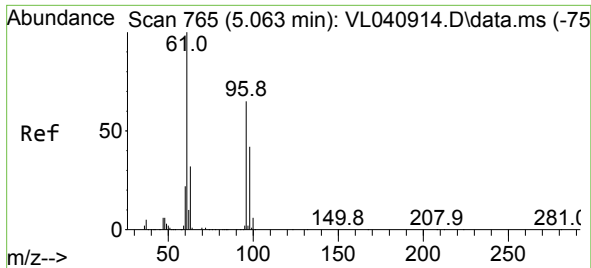
Ion Ratio Lower Upper

84 100

56 138.9 111.4 167.2

41 88.4 70.0 105.0

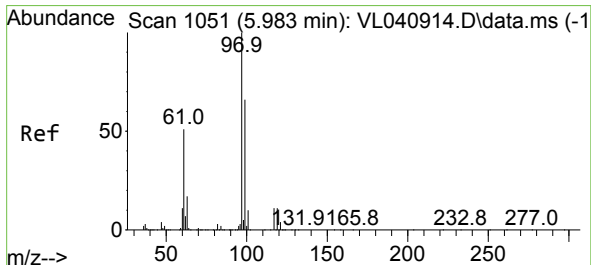
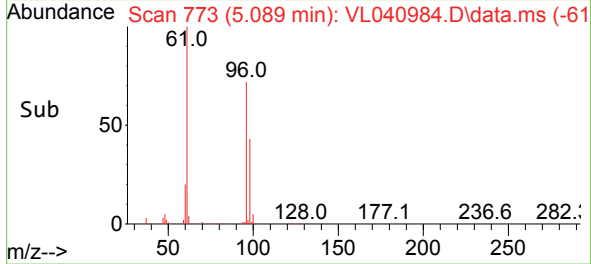
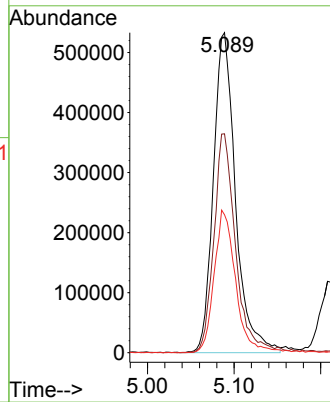
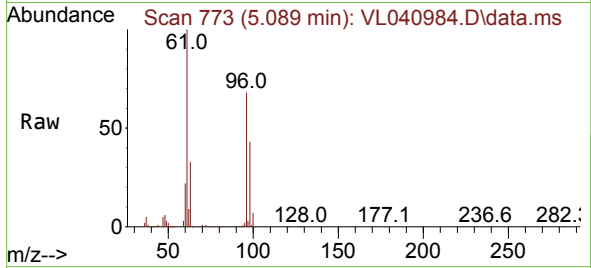




#31
 cis-1,2-Dichloroethene
 Concen: 9.307 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

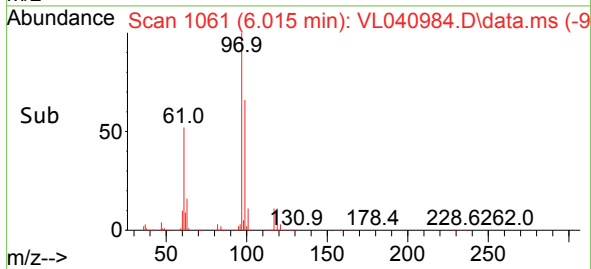
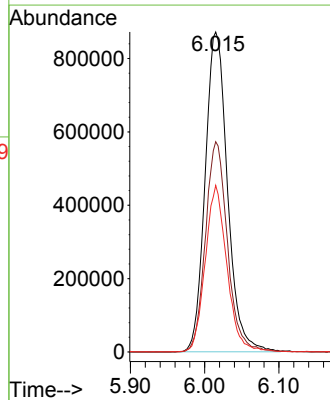
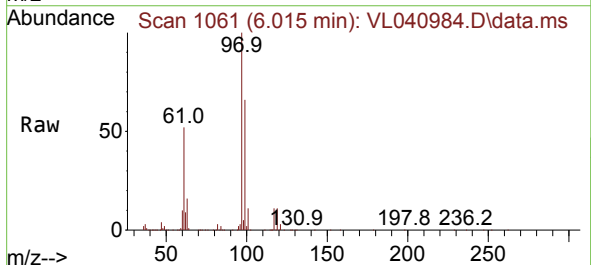
Instrument :
 MSVOA_L
 ClientSampleId :

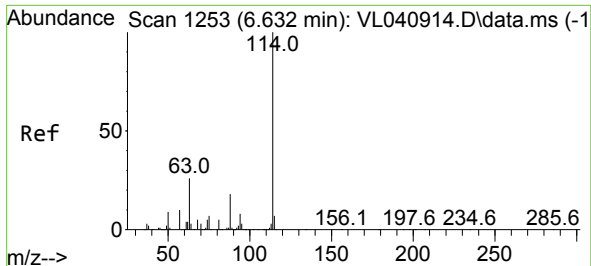
Tgt Ion: 61 Resp: 947487
 Ion Ratio Lower Upper
 61 100
 96 68.3 51.7 77.5
 98 43.1 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 11.271 ppbv
 RT: 6.015 min Scan# 1061
 Delta R.T. 0.006 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion: 97 Resp: 1822442
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 50.6 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

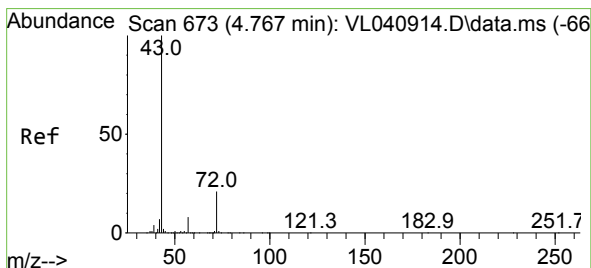
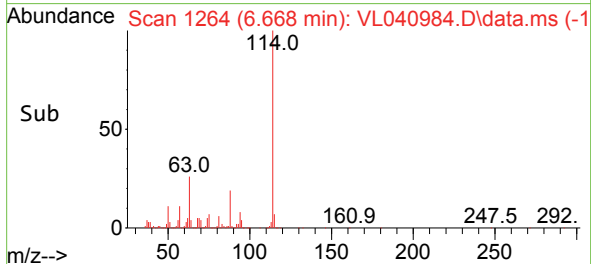
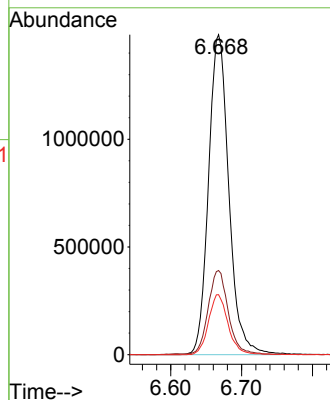
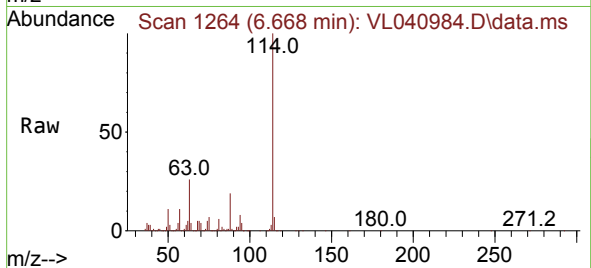
Tgt Ion:114 Resp: 2957945

Ion Ratio Lower Upper

114 100

63 26.5 21.0 31.6

88 18.2 14.3 21.5



#34

2-Butanone

Concen: 8.937 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.006 min

Lab File: VL040984.D

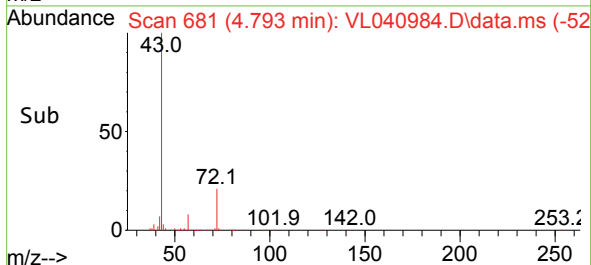
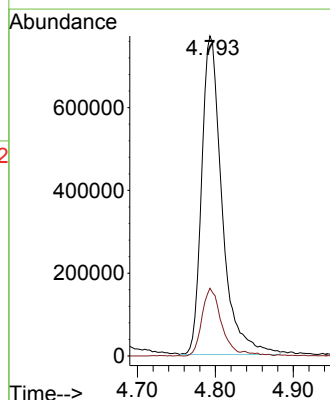
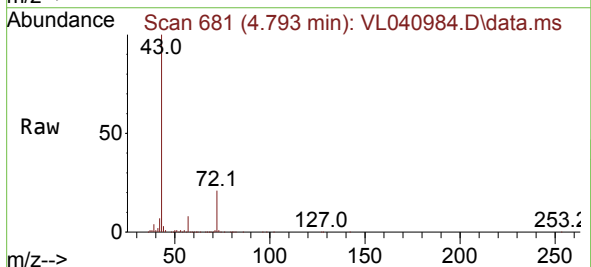
Acq: 16 Jan 2024 12:56

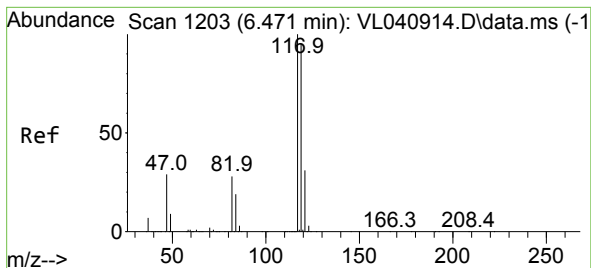
Tgt Ion: 43 Resp: 1398360

Ion Ratio Lower Upper

43 100

72 21.4 17.2 25.8





#35

Carbon Tetrachloride

Concen: 10.431 ppbv

RT: 6.507 min Scan# 117

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

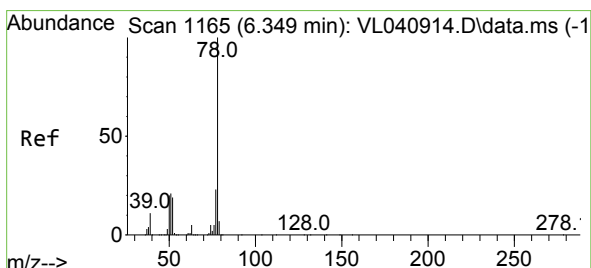
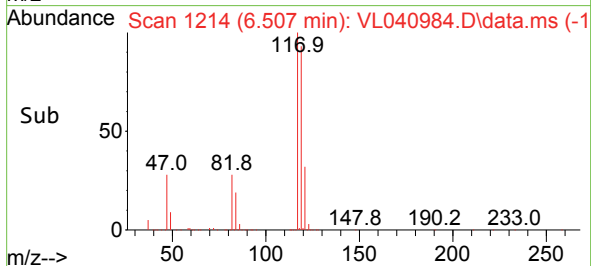
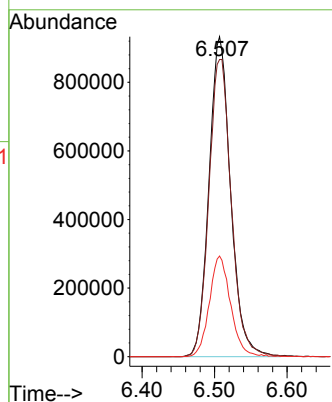
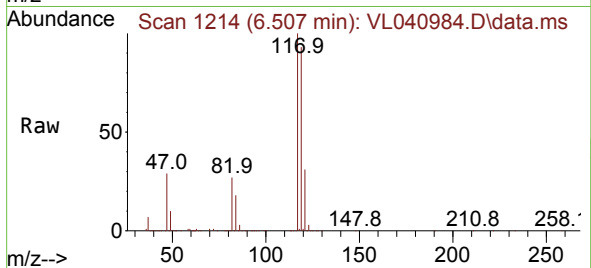
Tgt Ion:117 Resp: 1932196

Ion Ratio Lower Upper

117 100

119 92.8 76.3 114.5

121 31.4 24.9 37.3



#36

Benzene

Concen: 9.944 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

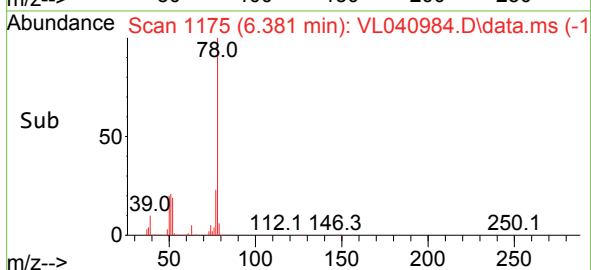
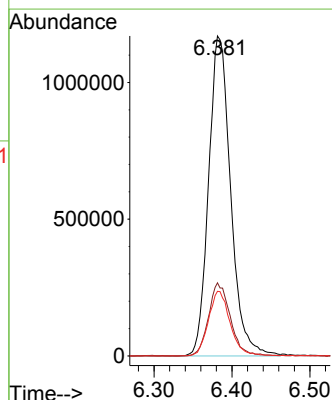
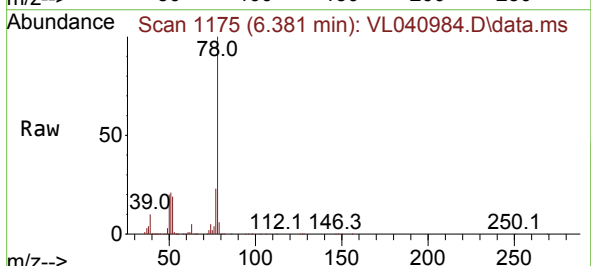
Tgt Ion: 78 Resp: 2299437

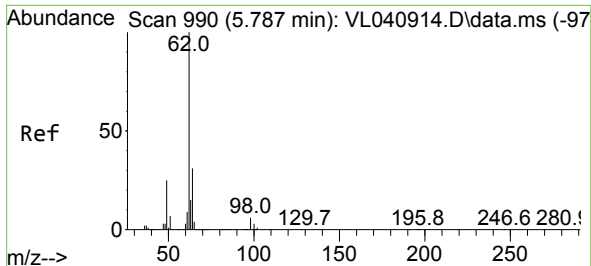
Ion Ratio Lower Upper

78 100

77 22.8 18.4 27.6

50 20.2 16.0 24.0





#37

1,2-Dichloroethane

Concen: 10.213 ppbv

RT: 5.819 min Scan# 10

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

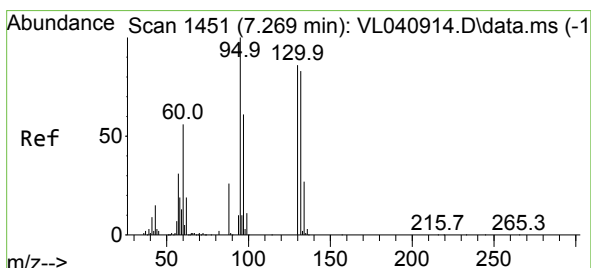
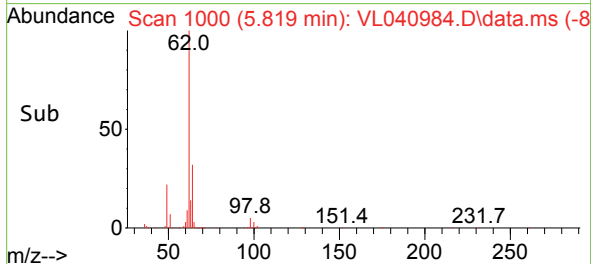
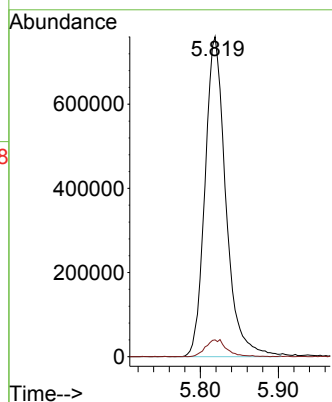
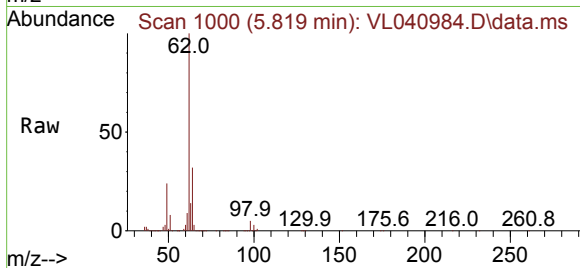
ClientSampleId :

Tgt Ion: 62 Resp: 1415046

Ion Ratio Lower Upper

62 100

98 5.5 4.6 7.0



#38

Trichloroethene

Concen: 10.340 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.010 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion:130 Resp: 897973

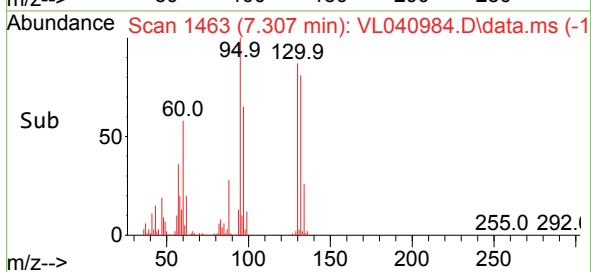
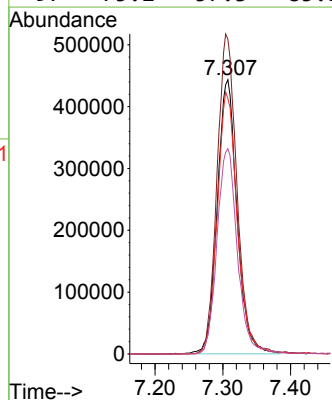
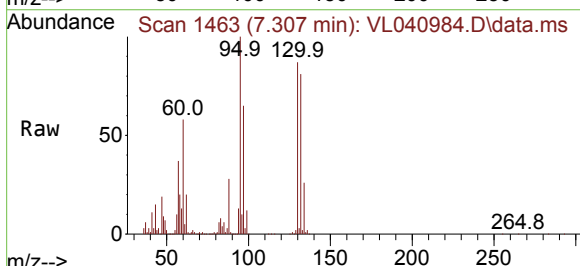
Ion Ratio Lower Upper

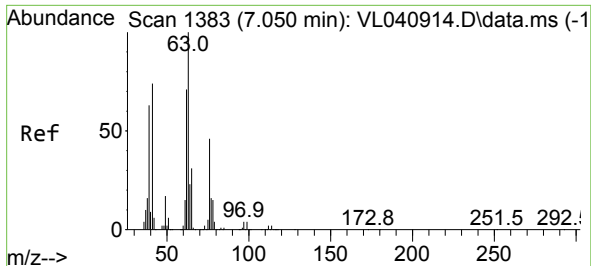
130 100

95 115.2 93.5 140.3

132 93.6 77.4 116.2

97 75.2 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.943 ppbv

RT: 7.086 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

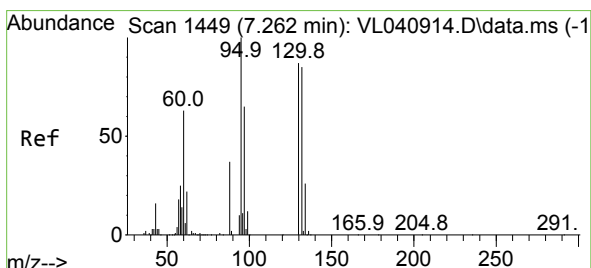
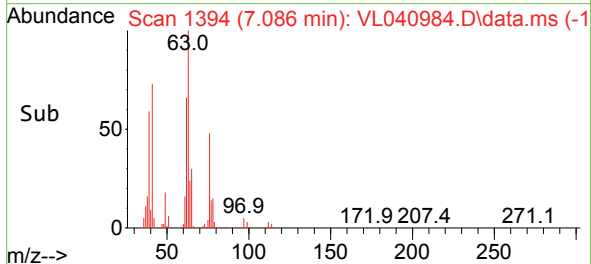
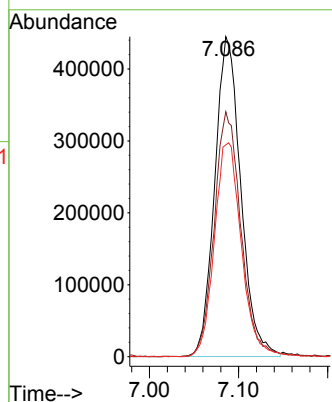
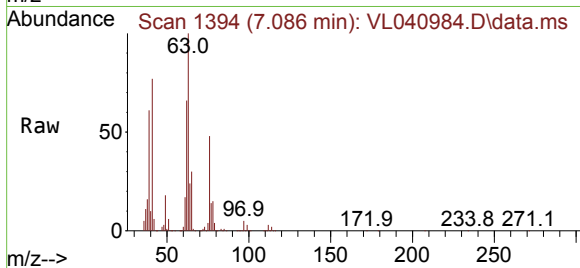
Tgt Ion: 63 Resp: 903476

Ion Ratio Lower Upper

63 100

41 76.5 59.0 88.6

62 66.2 56.6 85.0



#40

1,4-Dioxane

Concen: 9.313 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.010 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion: 88 Resp: 357319

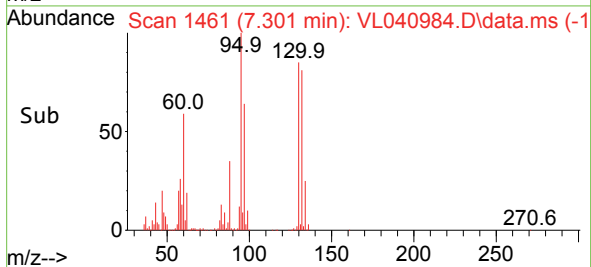
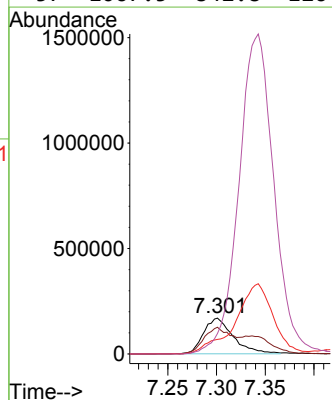
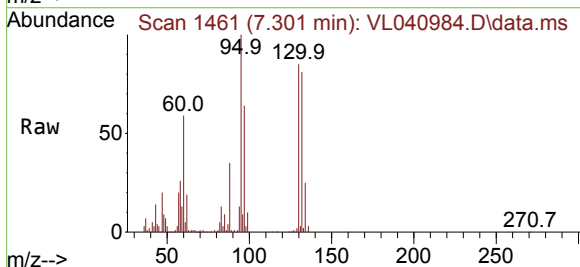
Ion Ratio Lower Upper

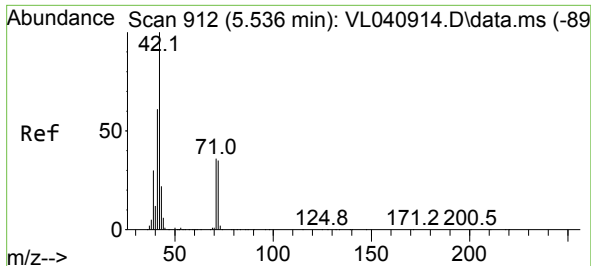
88 100

58 123.4 97.3 145.9

43 253.3 200.6 300.8

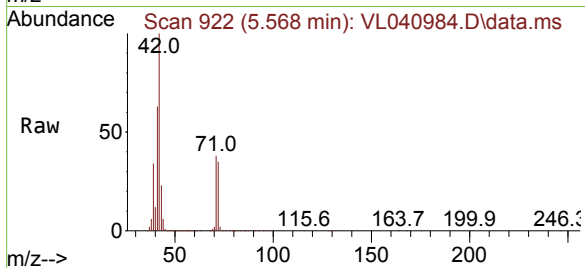
57 1067.5 842.8 1264.2



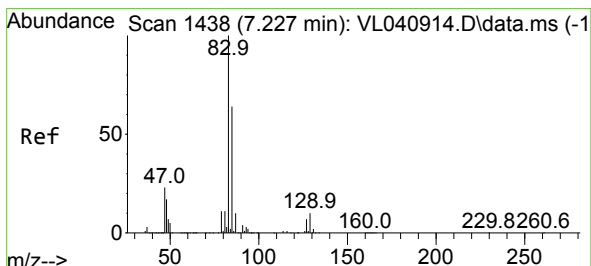
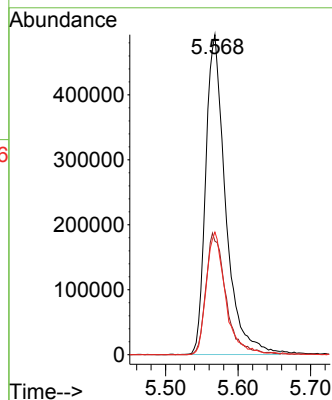
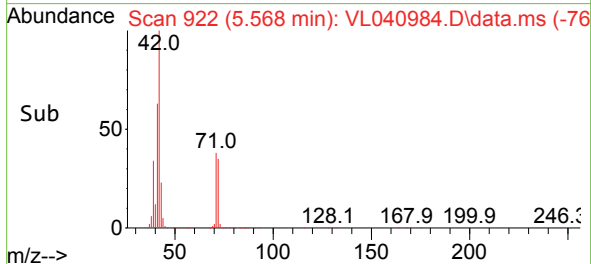


#41
Tetrahydrofuran
Concen: 9.855 ppbv
RT: 5.568 min Scan# 912
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

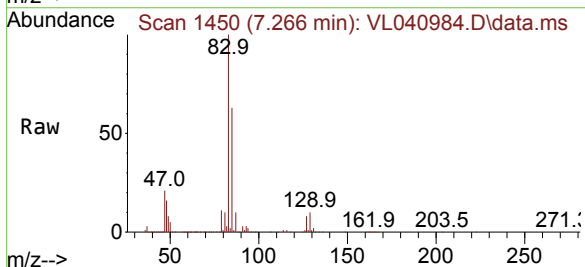
Instrument :
MSVOA_L
ClientSampleId :



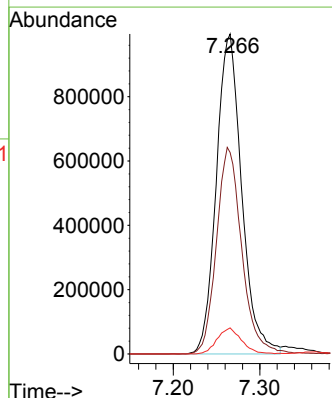
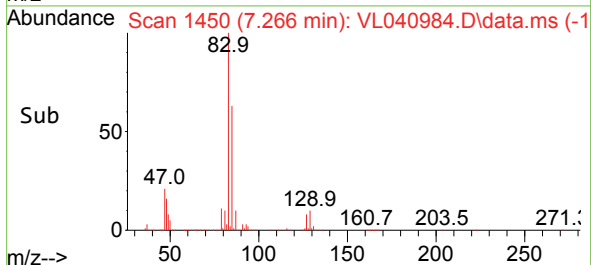
Tgt Ion: 42 Resp: 938181
Ion Ratio Lower Upper
42 100
72 38.6 29.6 44.4
71 37.6 29.1 43.7

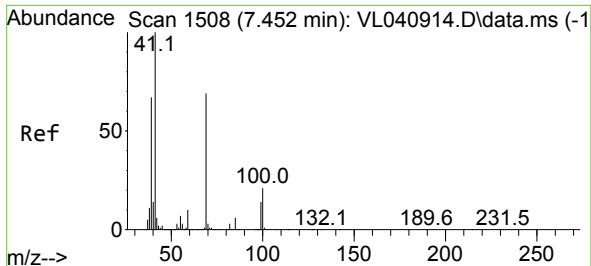


#42
Bromodichloromethane
Concen: 10.135 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.010 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56



Tgt Ion: 83 Resp: 2025303
Ion Ratio Lower Upper
83 100
85 63.0 51.4 77.0
127 8.1 5.9 8.9

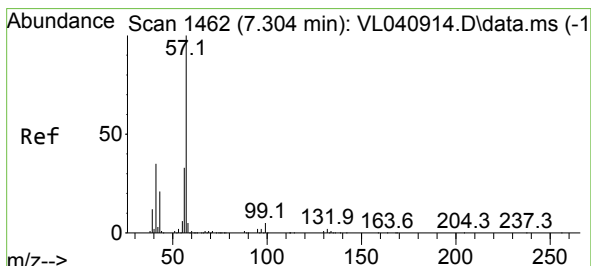
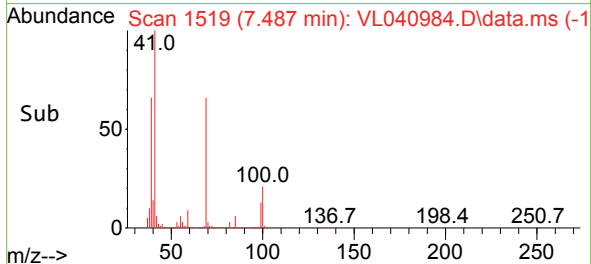
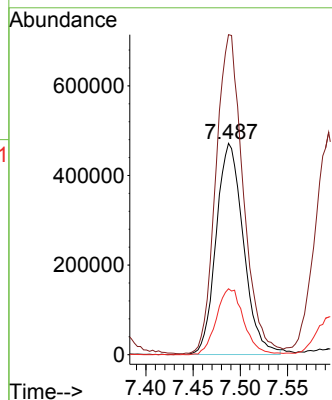
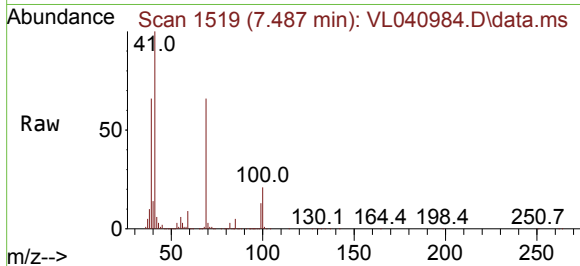




#43
Methyl Methacrylate
Concen: 10.423 ppbv
RT: 7.487 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

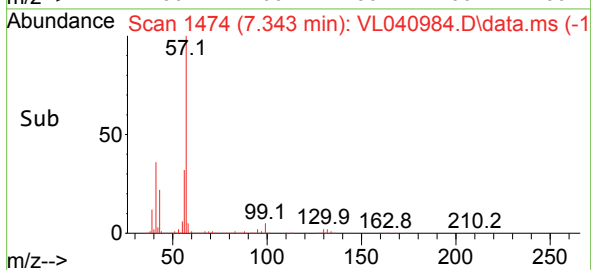
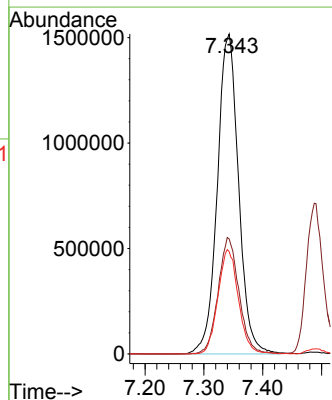
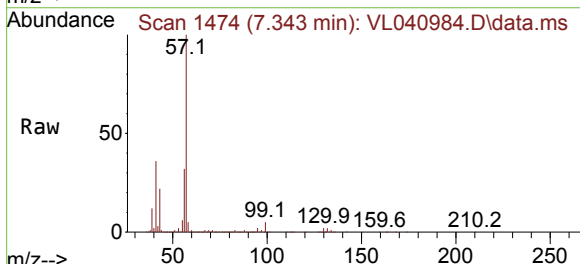
Instrument :
MSVOA_L
ClientSampleId :

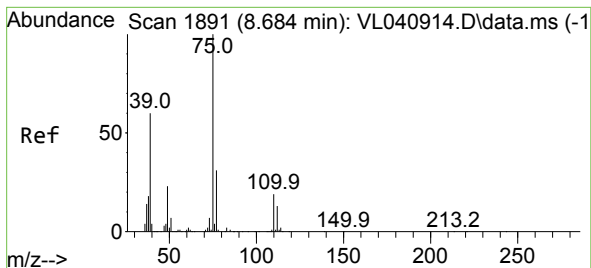
Tgt Ion: 69 Resp: 945333
Ion Ratio Lower Upper
69 100
41 152.4 119.9 179.9
100 31.4 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.695 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.010 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 57 Resp: 3807931
Ion Ratio Lower Upper
57 100
41 35.7 28.2 42.4
56 31.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.926 ppbv

RT: 8.725 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

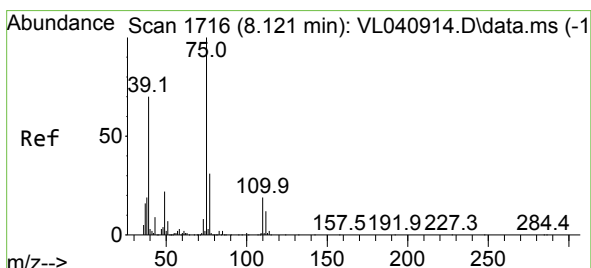
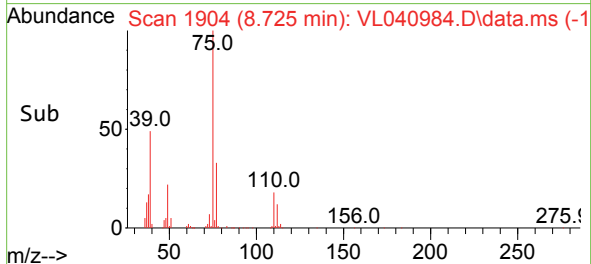
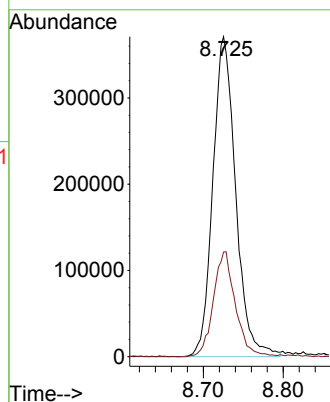
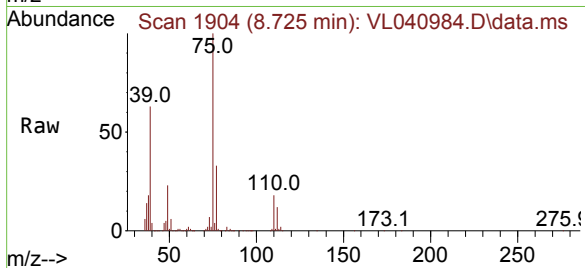
ClientSampleId :

Tgt Ion: 75 Resp: 735249

Ion Ratio Lower Upper

75 100

77 32.7 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 10.636 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

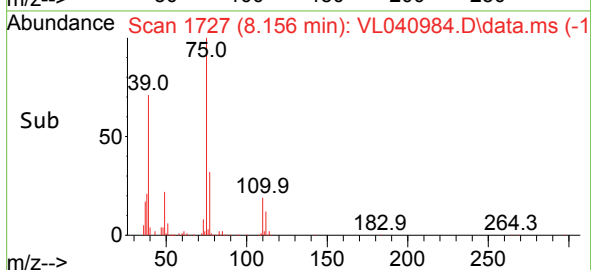
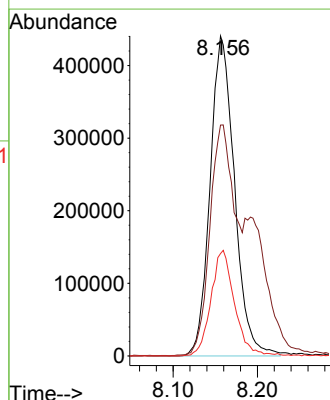
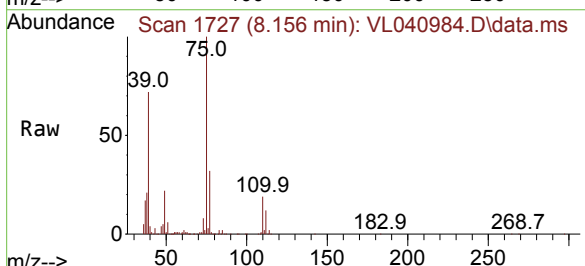
Tgt Ion: 75 Resp: 886086

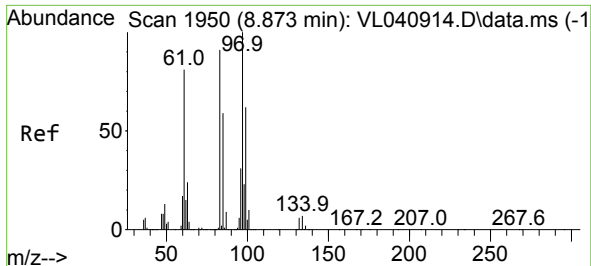
Ion Ratio Lower Upper

75 100

39 71.8 56.2 84.4

77 31.9 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.994 ppbv

RT: 8.912 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 963323

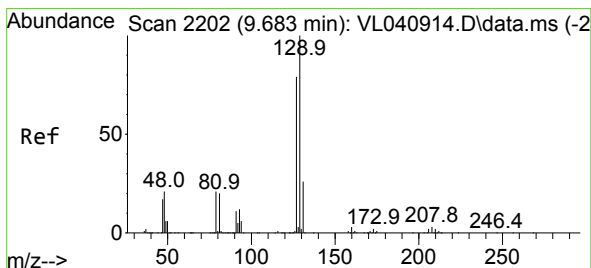
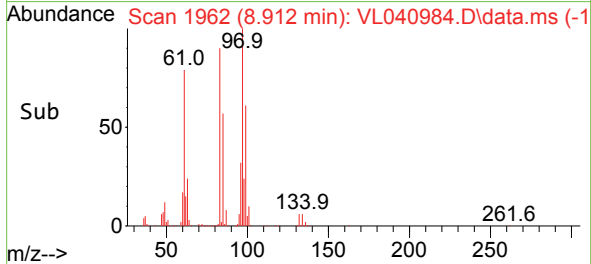
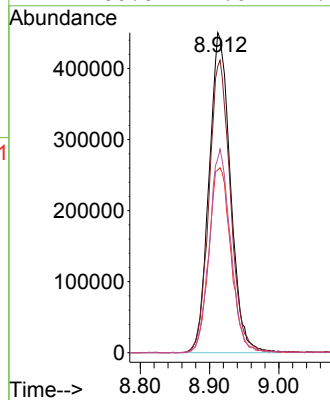
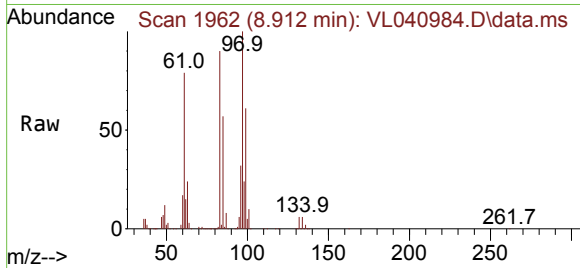
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

97	100		
----	-----	--	--

83	89.5	72.6	108.8
----	------	------	-------

85	57.1	47.4	71.0
----	------	------	------

99	60.6	49.6	74.4
----	------	------	------



#48

Dibromochloromethane

Concen: 10.406 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.010 min

Lab File: VL040984.D

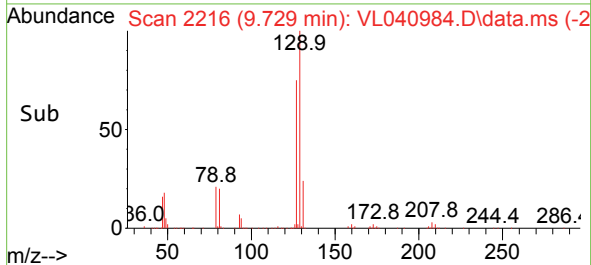
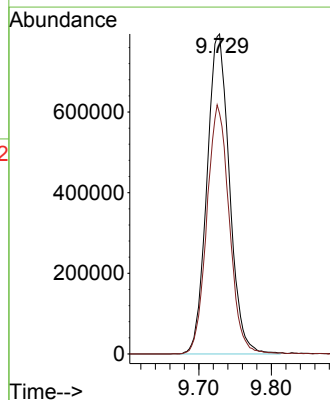
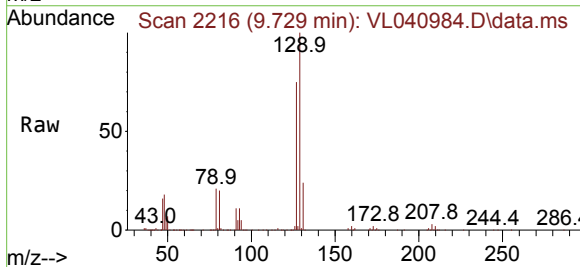
Acq: 16 Jan 2024 12:56

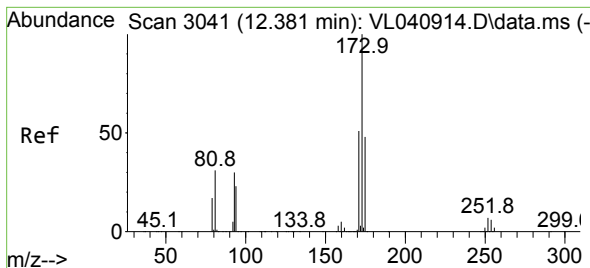
Tgt Ion: 129 Resp: 1712142

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

129	100		
-----	-----	--	--

127	77.8	39.6	119.0
-----	------	------	-------





#49

Bromoform

Concen: 10.722 ppbv

RT: 12.426 min Scan# 3041

Delta R.T. 0.010 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

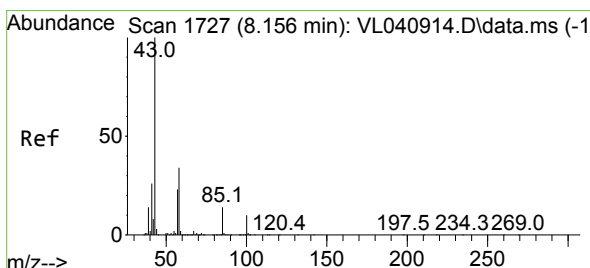
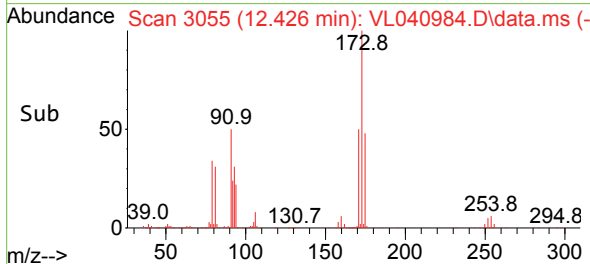
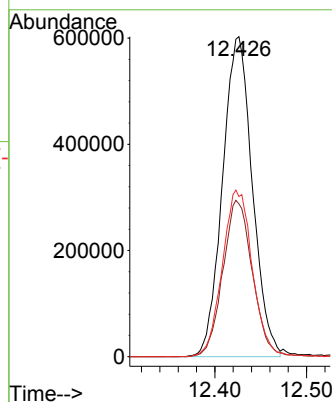
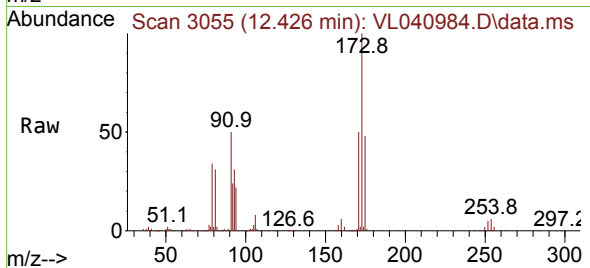
Tgt Ion:173 Resp: 1361202

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

171 52.8 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.289 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.003 min

Lab File: VL040984.D

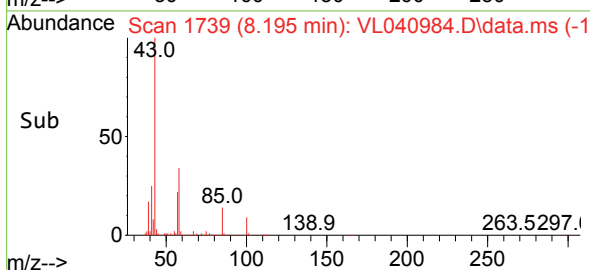
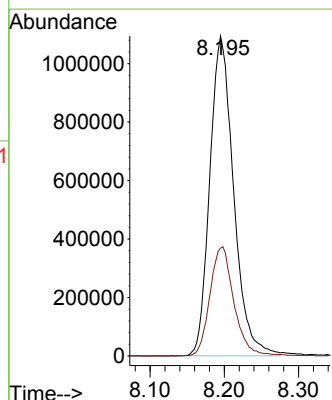
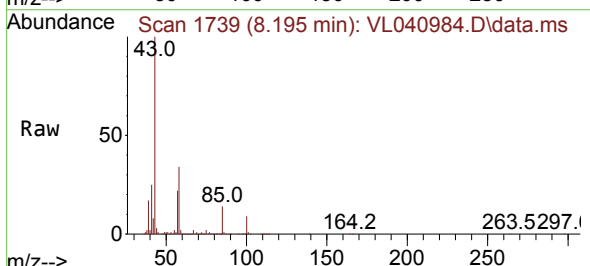
Acq: 16 Jan 2024 12:56

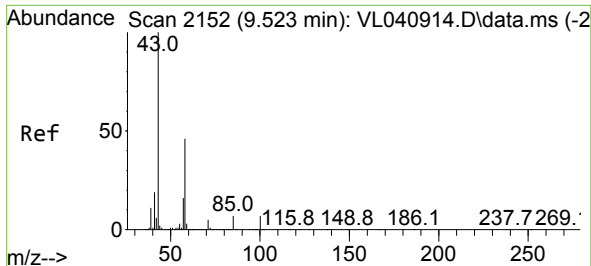
Tgt Ion: 43 Resp: 2438249

Ion Ratio Lower Upper

43 100

58 34.5 27.4 41.0

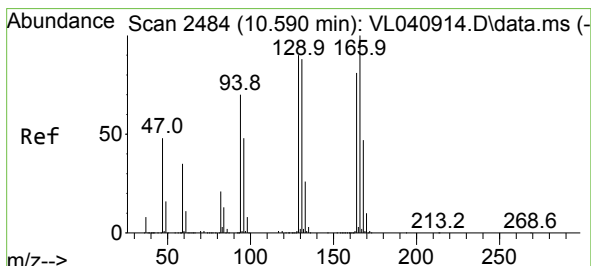
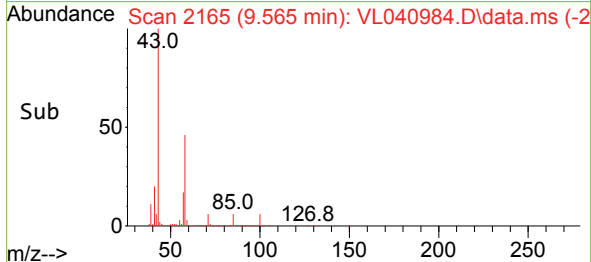
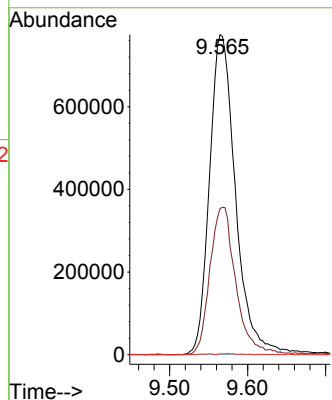
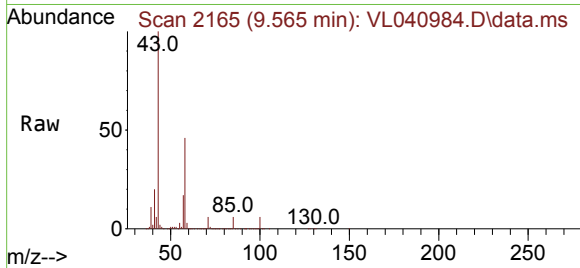




#51
2-Hexanone
Concen: 10.452 ppbv
RT: 9.565 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

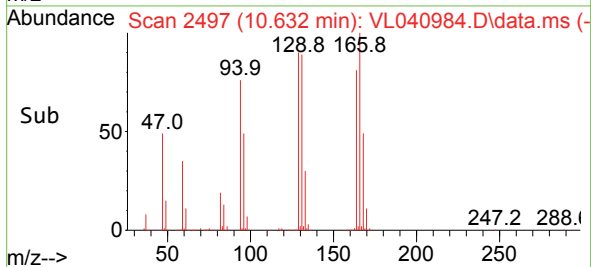
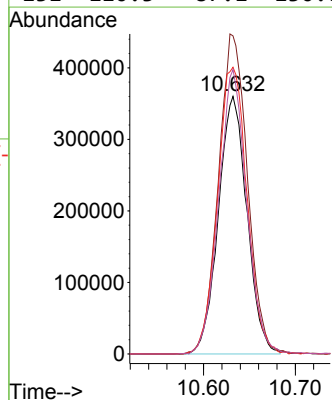
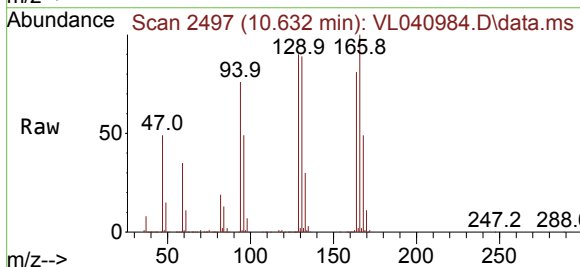
Instrument :
MSVOA_L
ClientSampleId :

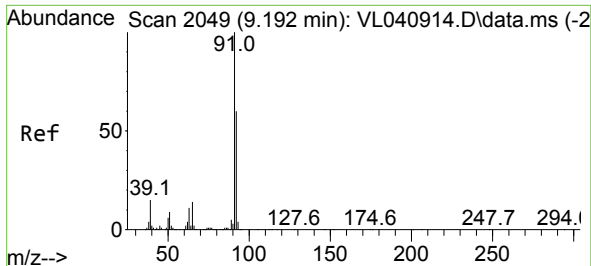
Tgt Ion: 43 Resp: 1782791
Ion Ratio Lower Upper
43 100
58 46.5 37.3 55.9
98 0.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.995 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion:164 Resp: 778521
Ion Ratio Lower Upper
164 100
166 123.5 98.9 148.3
129 111.1 88.7 133.1
131 110.3 87.1 130.7

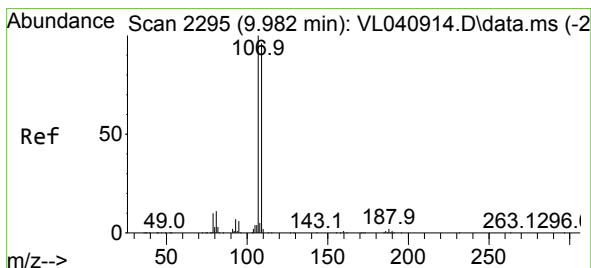
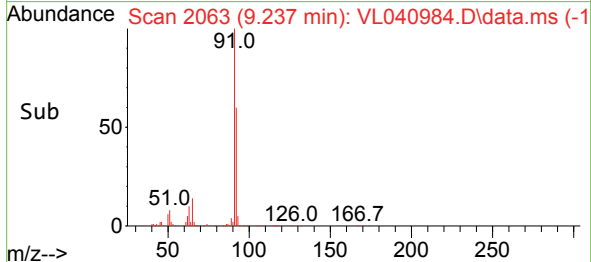
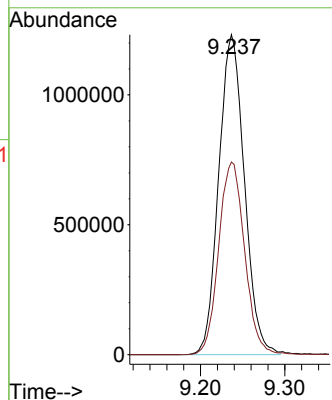
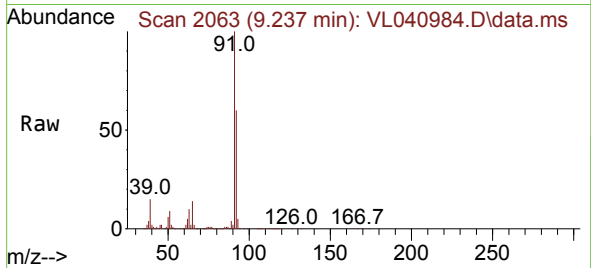




#53
Toluene
Concen: 10.140 ppbv
RT: 9.237 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

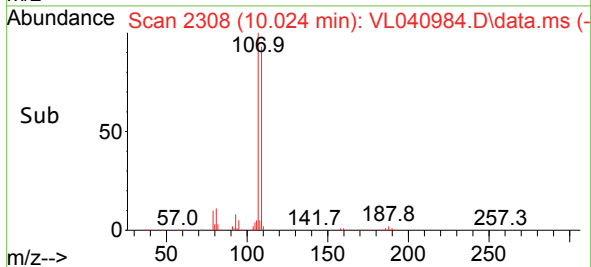
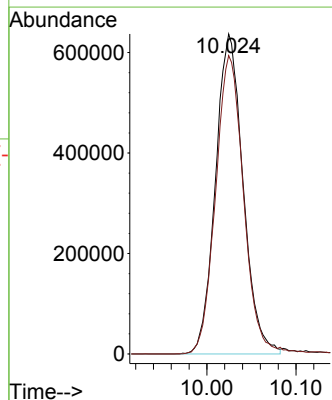
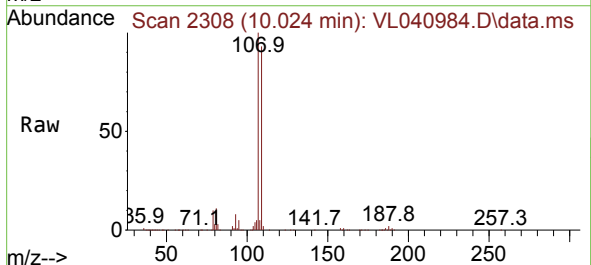
Instrument :
MSVOA_L
ClientSampleId :

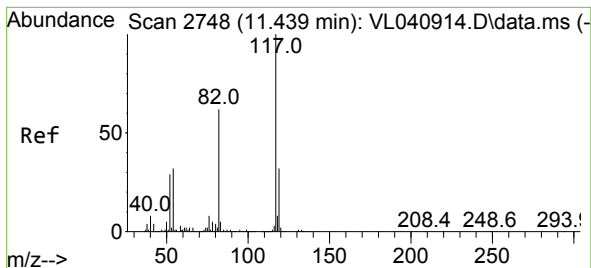
Tgt Ion: 91 Resp: 2599937
Ion Ratio Lower Upper
91 100
92 61.2 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.351 ppbv
RT: 10.024 min Scan# 2308
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion: 107 Resp: 1369182
Ion Ratio Lower Upper
107 100
109 93.2 77.0 115.4

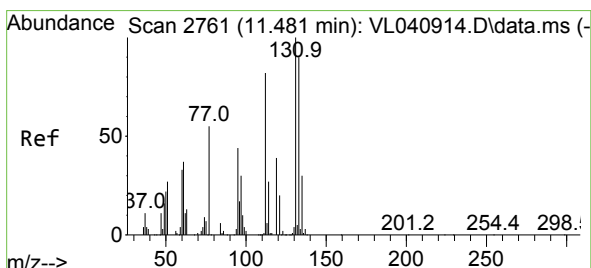
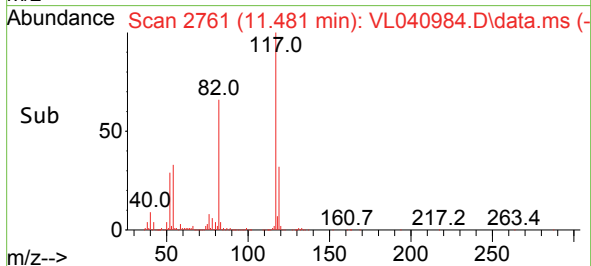
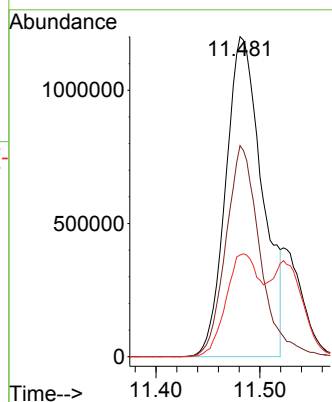
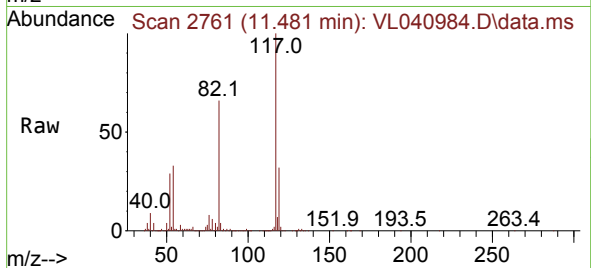




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

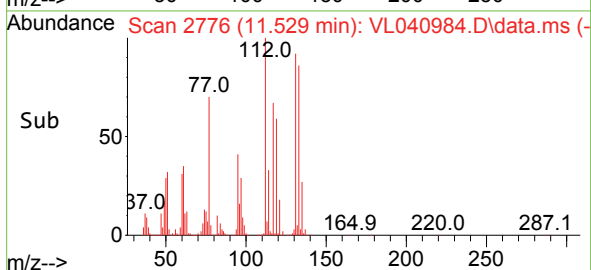
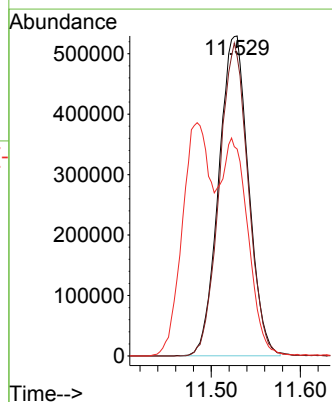
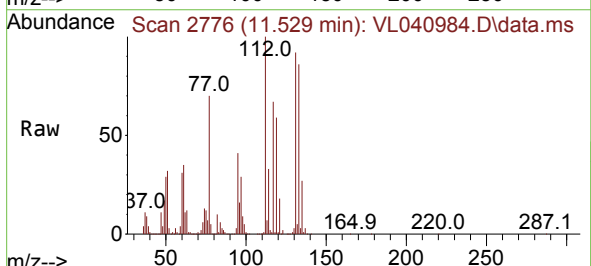
Instrument :
MSVOA_L
ClientSampleId :

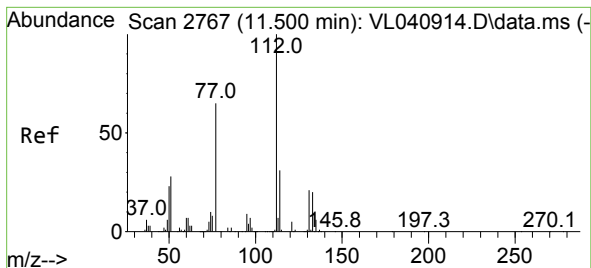
Tgt Ion:117 Resp: 2928687
Ion Ratio Lower Upper
117 100
82 62.3 49.6 74.4
119 32.9 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.603 ppbv
RT: 11.529 min Scan# 2776
Delta R.T. 0.010 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion:131 Resp: 1229869
Ion Ratio Lower Upper
131 100
133 95.3 76.3 114.5
119 64.5 48.6 73.0





#57

Chlorobenzene

Concen: 9.377 ppbv

RT: 11.545 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

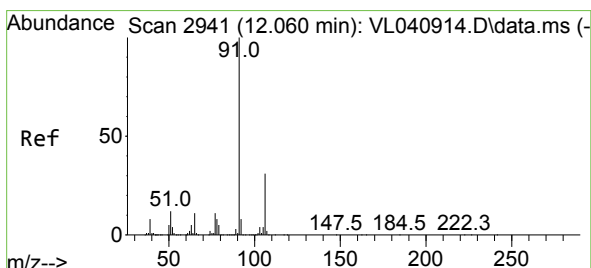
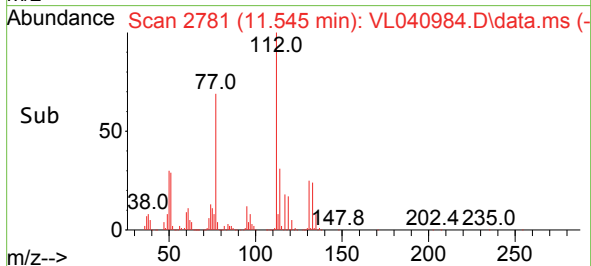
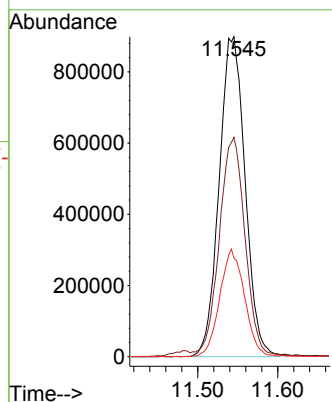
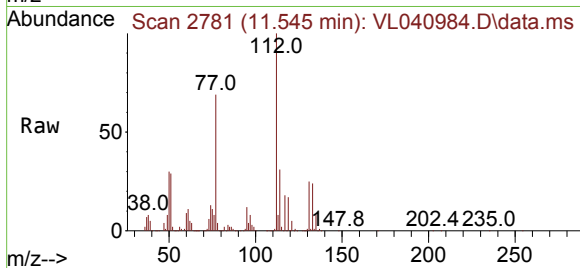
Tgt Ion:112 Resp: 2022379

Ion Ratio Lower Upper

112 100

77 68.0 52.7 79.1

114 30.7 28.4 34.7



#58

Ethyl Benzene

Concen: 9.424 ppbv

RT: 12.105 min Scan# 2955

Delta R.T. 0.006 min

Lab File: VL040984.D

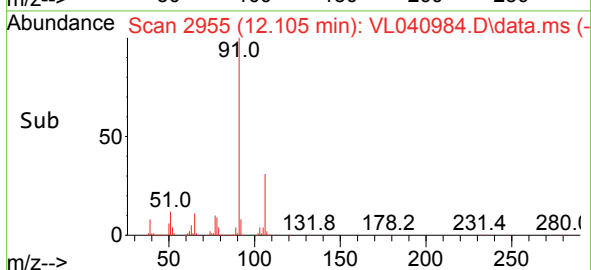
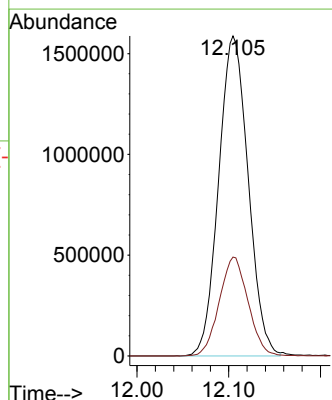
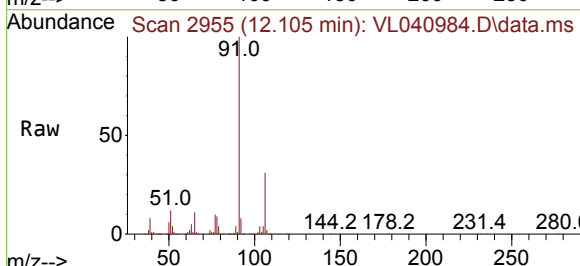
Acq: 16 Jan 2024 12:56

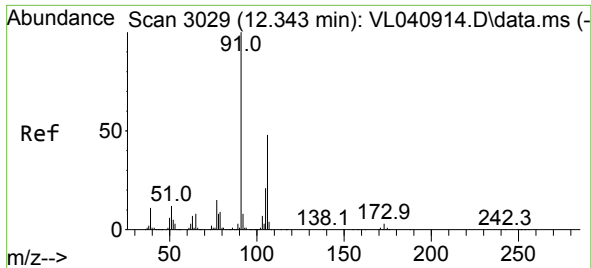
Tgt Ion: 91 Resp: 3545043

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3





#59

m/p-Xylene

Concen: 9.222 ppbv

RT: 12.388 min Scan# 3029

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

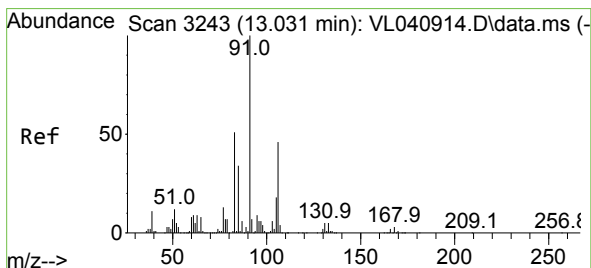
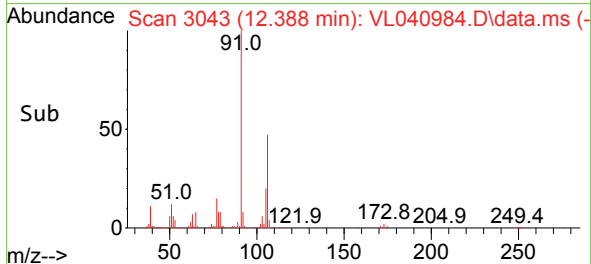
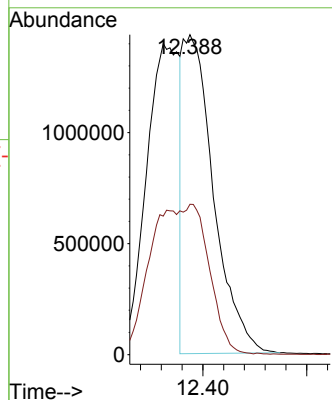
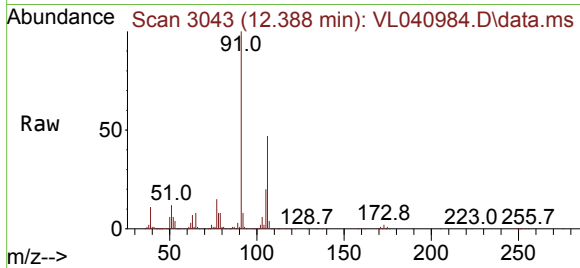
ClientSampleId :

Tgt Ion: 91 Resp: 2950726

Ion Ratio Lower Upper

91 100

106 89.7 0.0 0.0#



#60

o-Xylene

Concen: 9.577 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.003 min

Lab File: VL040984.D

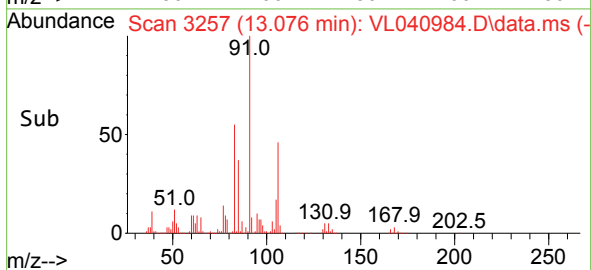
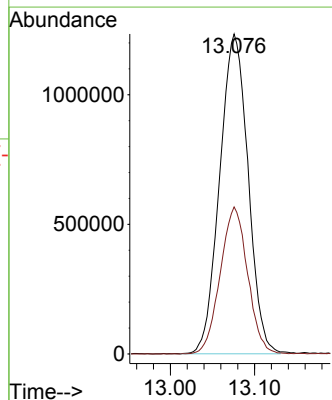
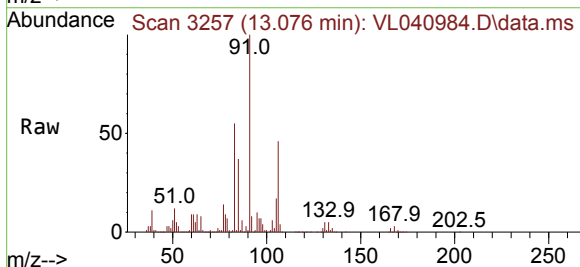
Acq: 16 Jan 2024 12:56

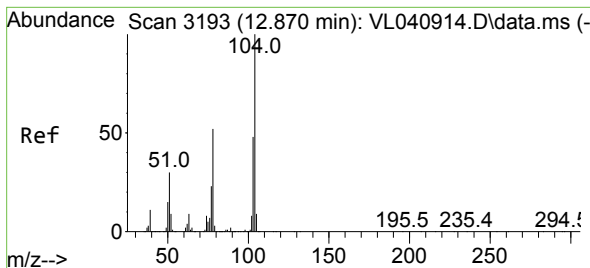
Tgt Ion: 91 Resp: 2887281

Ion Ratio Lower Upper

91 100

106 44.5 22.6 67.7





#61

Styrene

Concen: 10.201 ppbv

RT: 12.915 min Scan# 3193

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

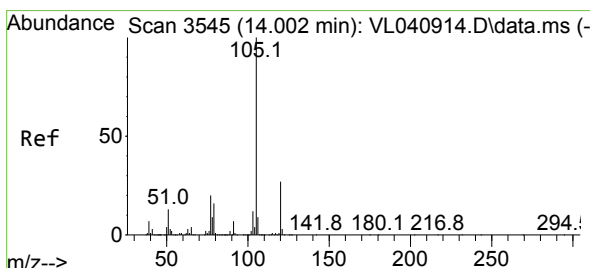
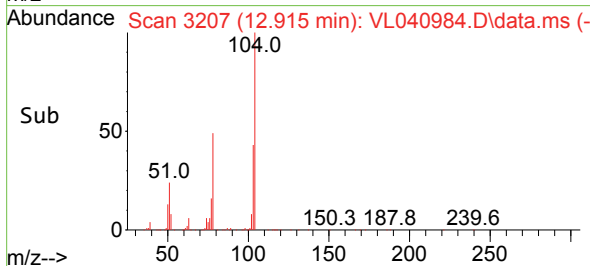
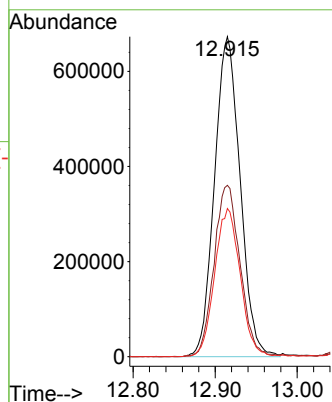
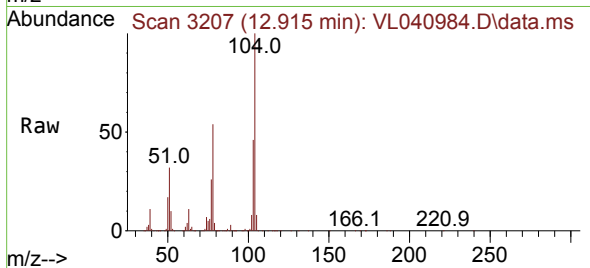
Tgt Ion:104 Resp: 1461874

Ion Ratio Lower Upper

104 100

78 54.9 43.0 64.4

103 46.5 37.6 56.4



#62

Isopropylbenzene

Concen: 9.331 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.006 min

Lab File: VL040984.D

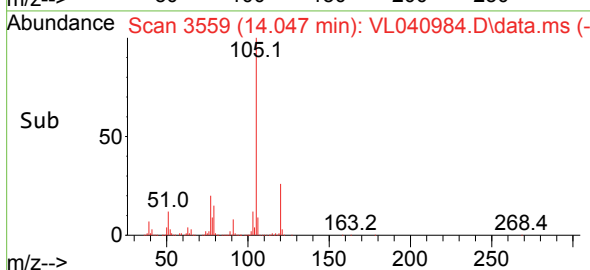
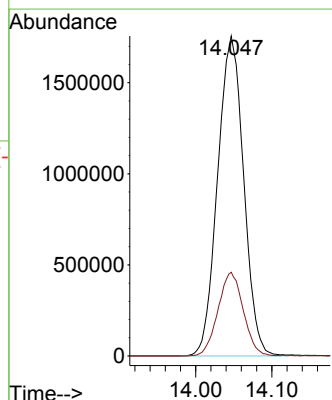
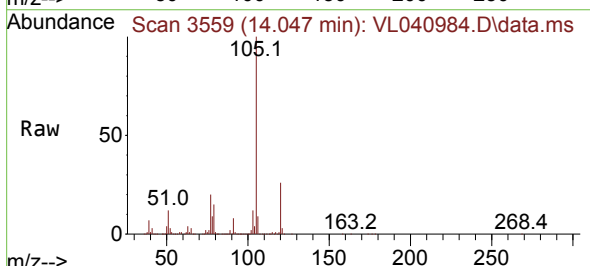
Acq: 16 Jan 2024 12:56

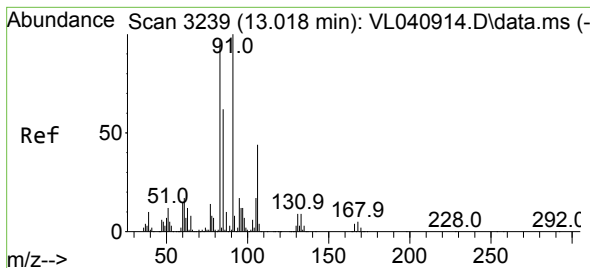
Tgt Ion:105 Resp: 4171779

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

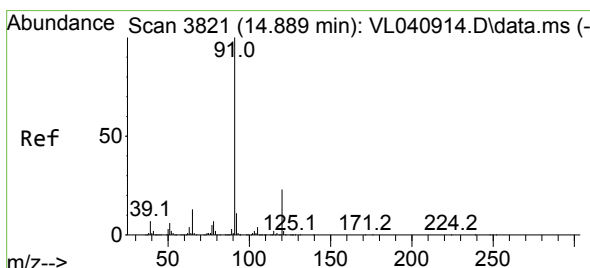
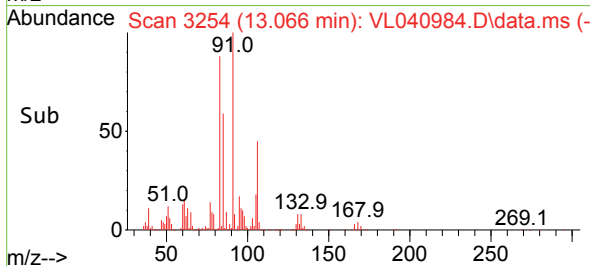
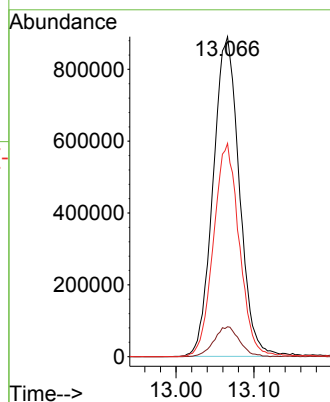
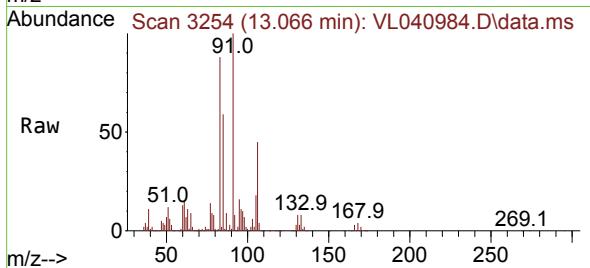




#63
1,1,2,2-Tetrachloroethane
Concen: 9.589 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

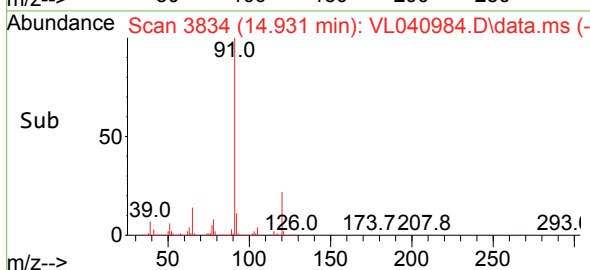
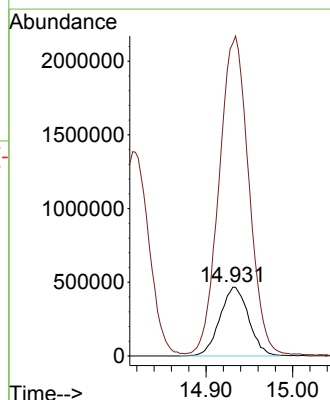
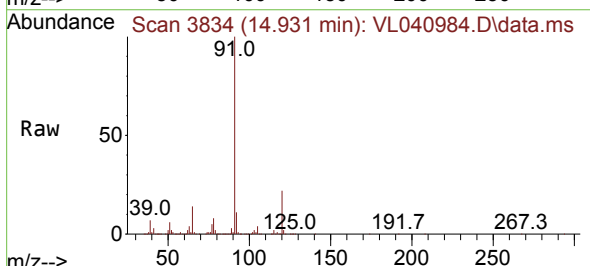
Instrument :
MSVOA_L
ClientSampleId :

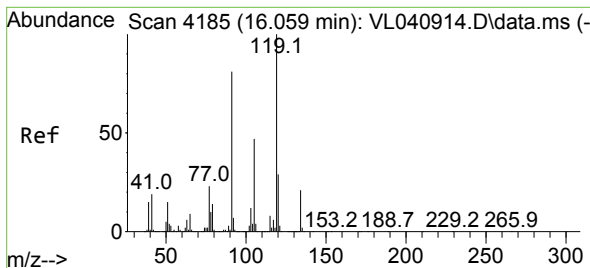
Tgt Ion: 83 Resp: 2082660
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.0
85 66.2 32.6 98.0



#64
n-propylbenzene
Concen: 9.594 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.000 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion:120 Resp: 1075893
Ion Ratio Lower Upper
120 100
91 485.5 381.9 572.9





#65

tert-Butylbenzene

Concen: 9.562 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :

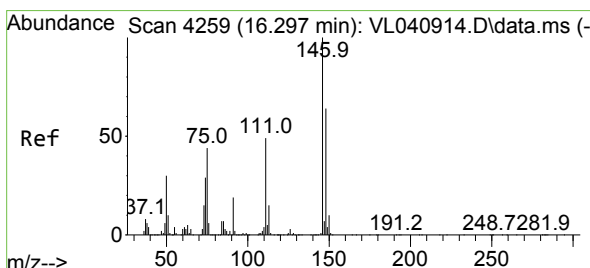
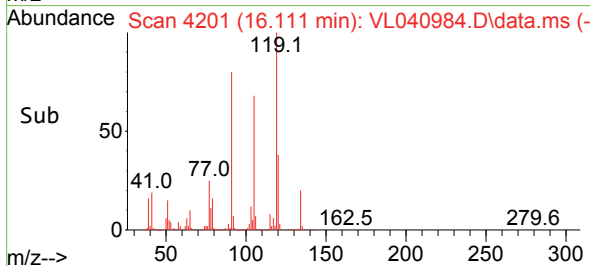
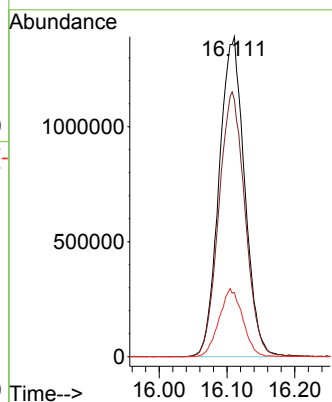
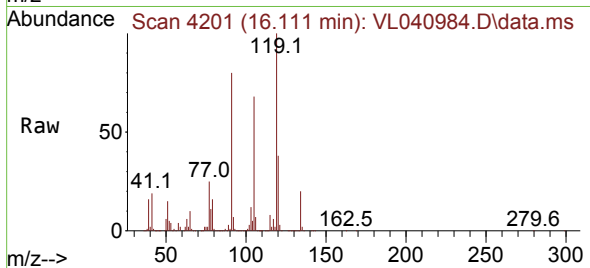
Tgt Ion:119 Resp: 3633710

Ion Ratio Lower Upper

119 100

91 85.2 67.2 100.8

134 19.9 15.8 23.6



#66

Benzyl Chloride

Concen: 7.425 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

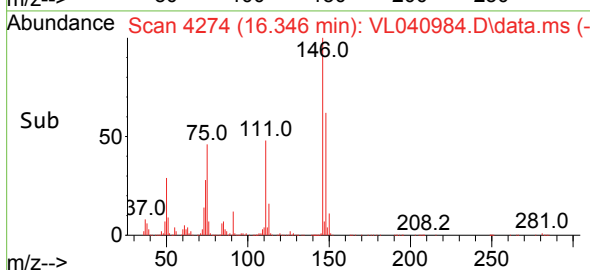
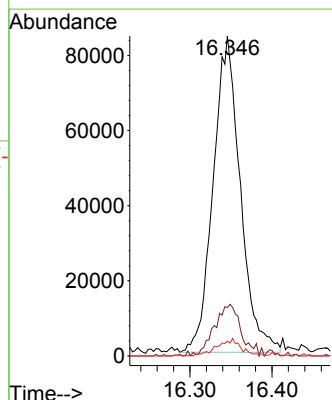
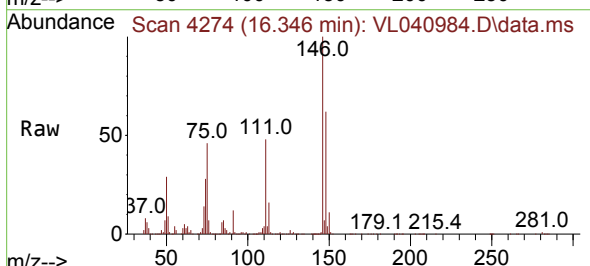
Tgt Ion: 91 Resp: 193092

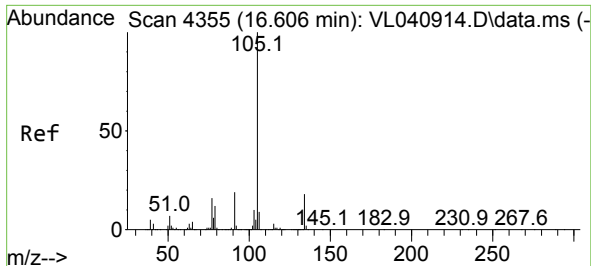
Ion Ratio Lower Upper

91 100

126 17.0 14.1 21.1

128 5.0 4.6 6.8

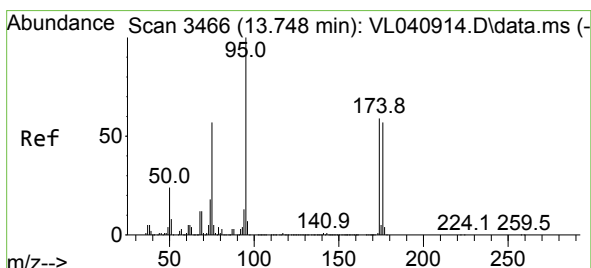
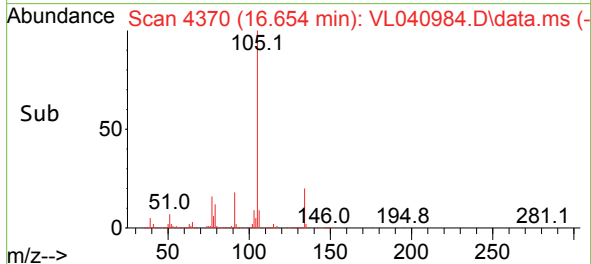
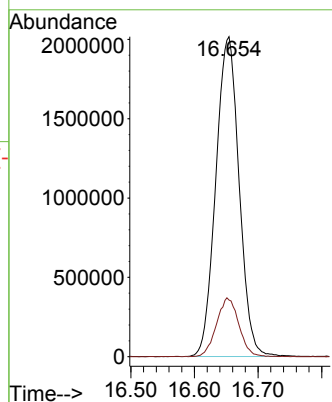
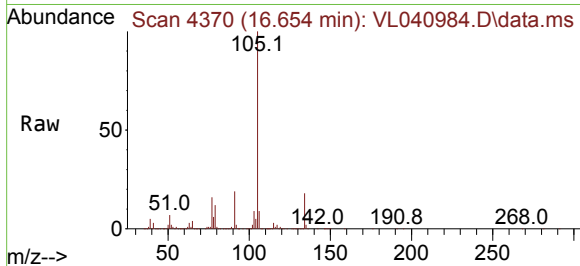




#67
 sec-Butylbenzene
 Concen: 9.287 ppbv
 RT: 16.654 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

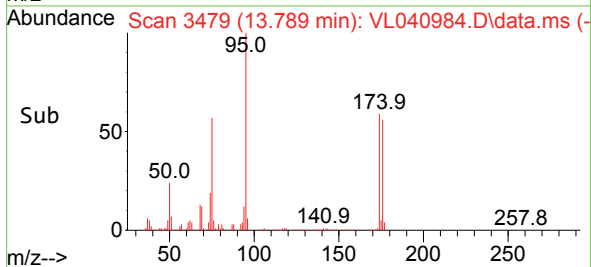
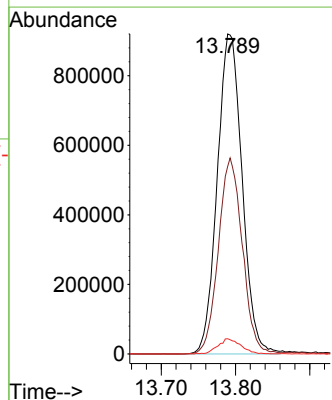
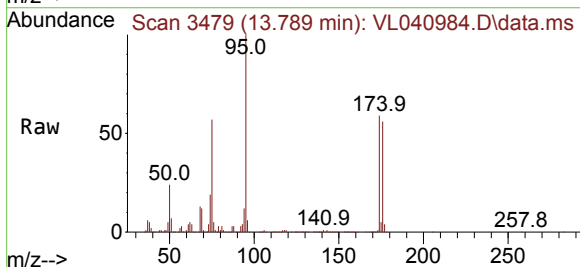
Instrument :
 MSVOA_L
 ClientSampleId :

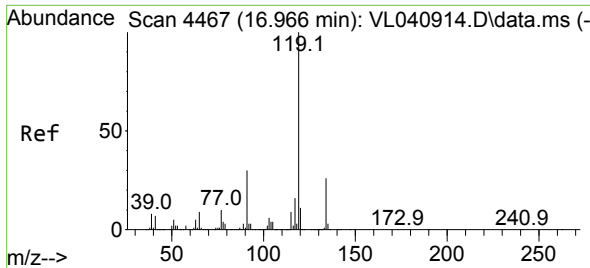
Tgt Ion:105 Resp: 5129049
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.931 ppbv
 RT: 13.789 min Scan# 3479
 Delta R.T. -0.000 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

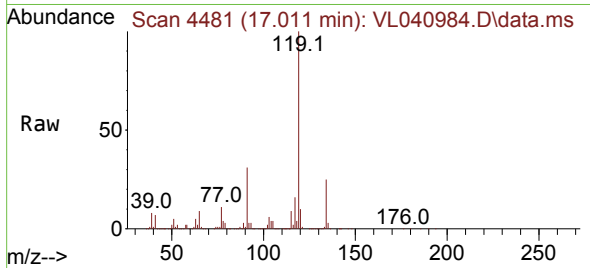
Tgt Ion: 95 Resp: 2142353
 Ion Ratio Lower Upper
 95 100
 174 59.7 48.0 72.0
 175 4.5 3.7 5.5





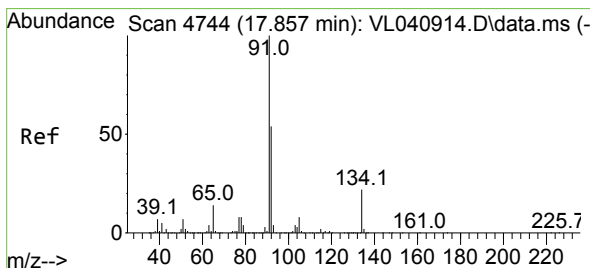
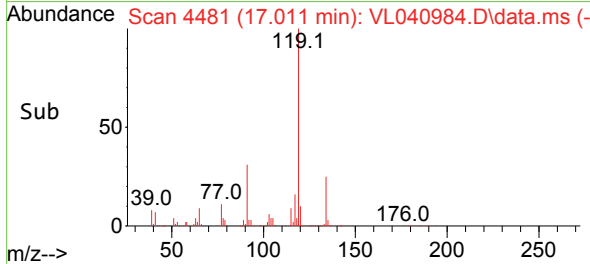
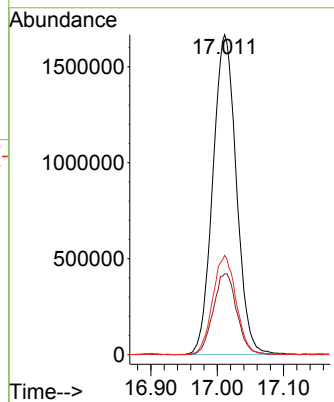
#69
 p-Isopropyltoluene
 Concen: 9.551 ppbv
 RT: 17.011 min Scan# 4467
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:119 Resp: 4099792

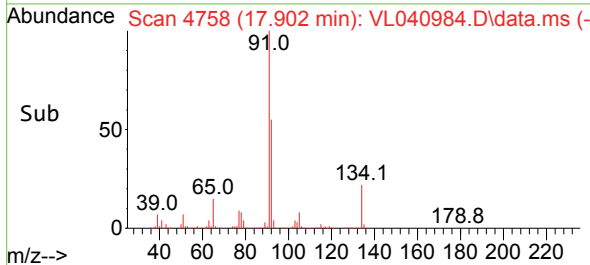
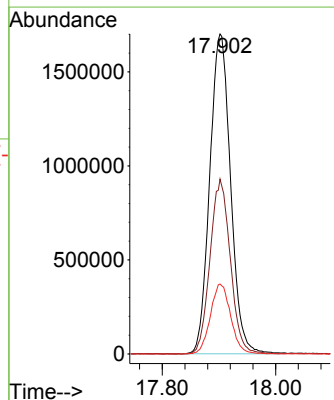
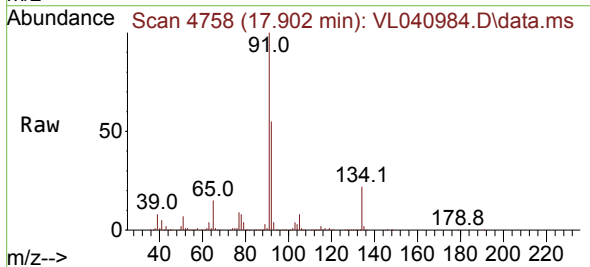
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	31.1	24.1	36.1

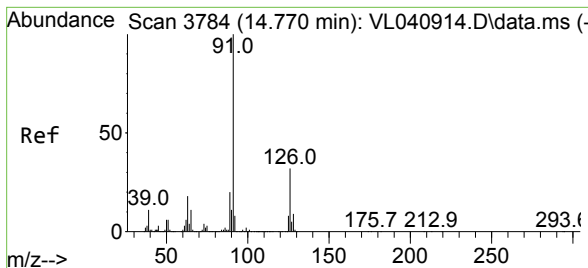


#70
 n-Butylbenzene
 Concen: 9.747 ppbv
 RT: 17.902 min Scan# 4758
 Delta R.T. 0.003 min
 Lab File: VL040984.D
 Acq: 16 Jan 2024 12:56

Tgt Ion: 91 Resp: 4343795

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.4	65.0
134	21.4	17.6	26.4

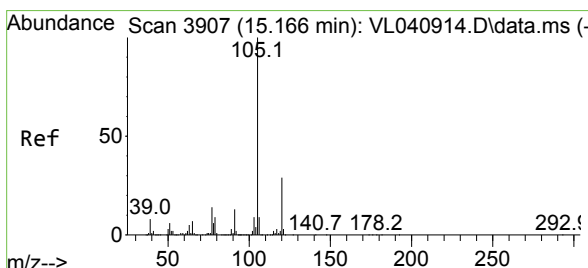
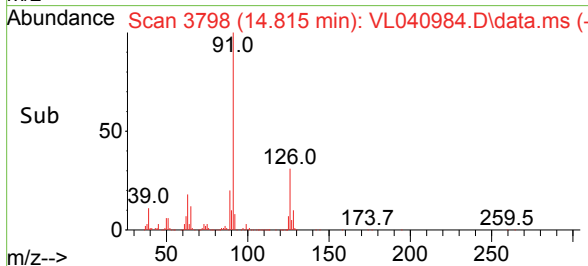
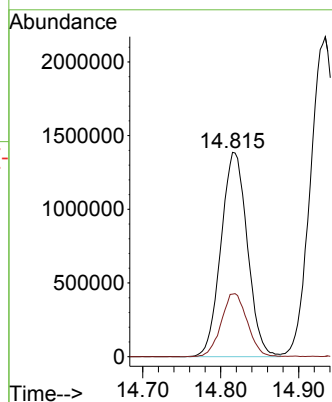
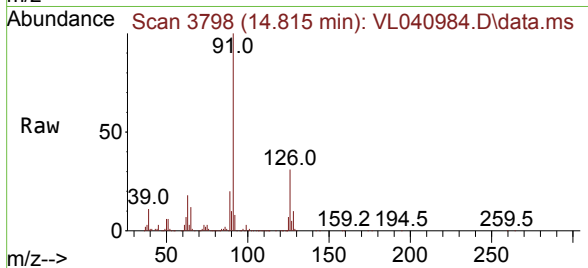




#71
2-Chlorotoluene
Concen: 9.476 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

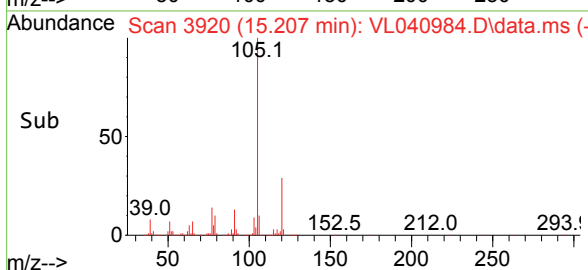
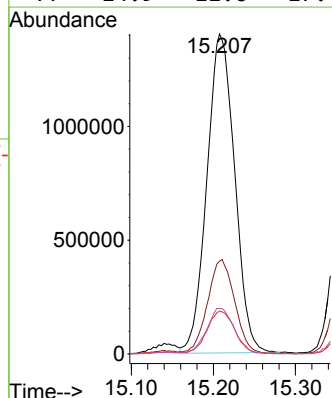
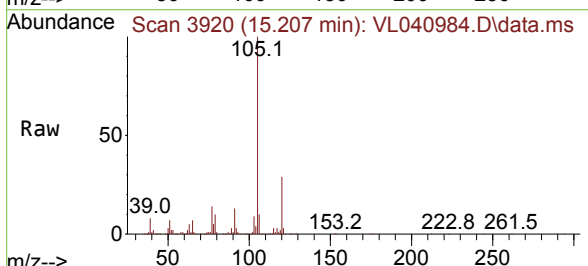
Instrument :
MSVOA_L
ClientSampleId :

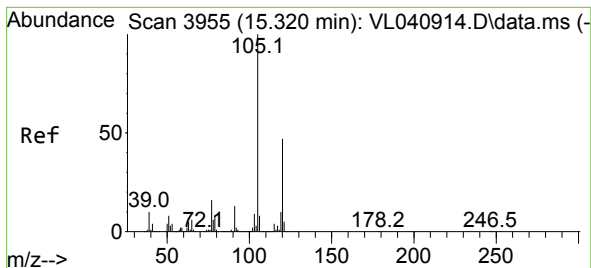
Tgt Ion: 91 Resp: 3262428
Ion Ratio Lower Upper
91 100
126 30.5 12.4 49.6



#72
4-Ethyltoluene
Concen: 9.967 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040984.D
Acq: 16 Jan 2024 12:56

Tgt Ion:105 Resp: 3297989
Ion Ratio Lower Upper
105 100
120 30.2 23.8 35.8
91 14.1 10.9 16.3
77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.800 ppbv

RT: 15.368 min Scan# 3955

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

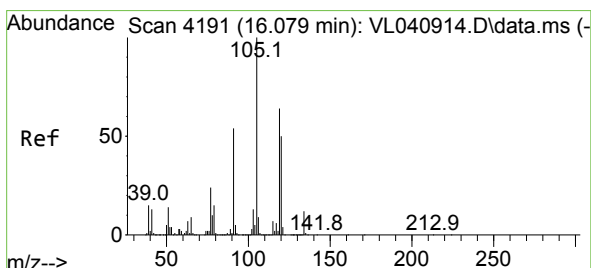
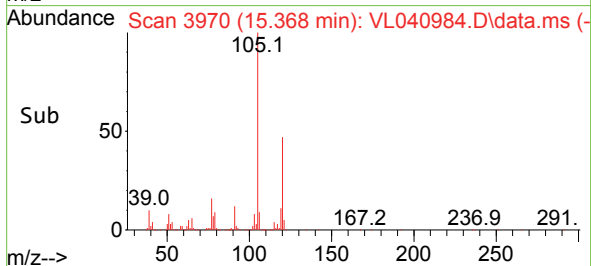
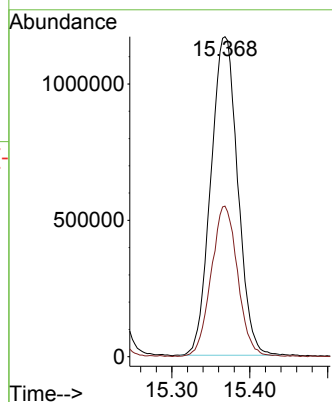
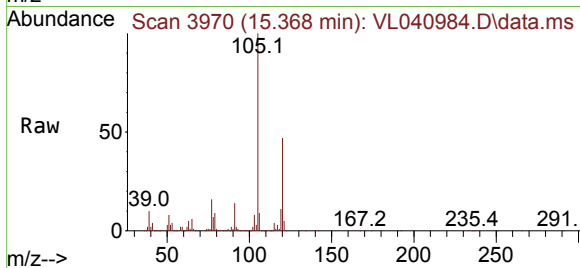
ClientSampleId :

Tgt Ion:105 Resp: 2798828

Ion Ratio Lower Upper

105 100

120 47.1 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.673 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion:105 Resp: 3074473

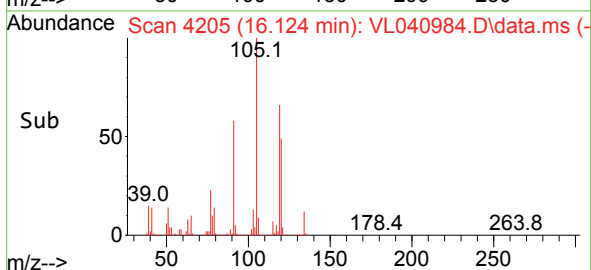
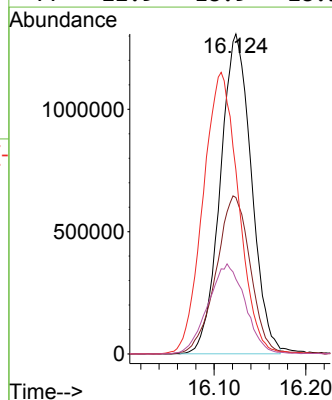
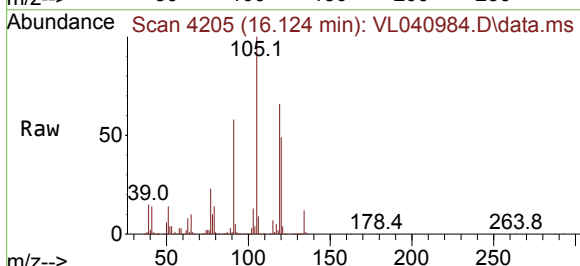
Ion Ratio Lower Upper

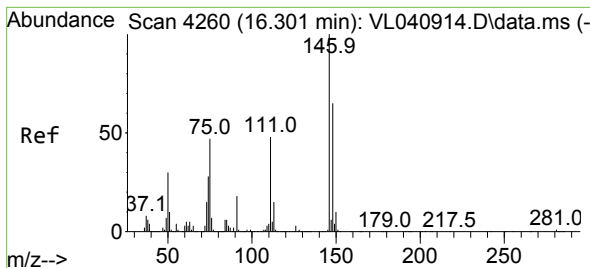
105 100

120 48.4 40.2 60.4

91 56.8 43.0 64.6

77 22.9 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 9.592 ppbv

RT: 16.346 min Scan# 4319

Delta R.T. -0.000 min

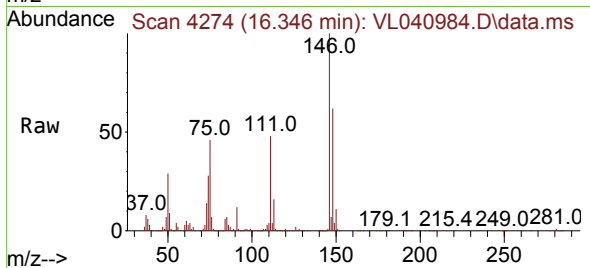
Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :



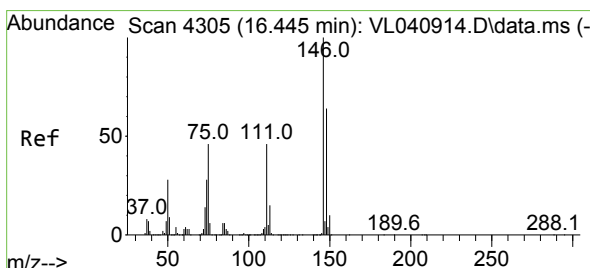
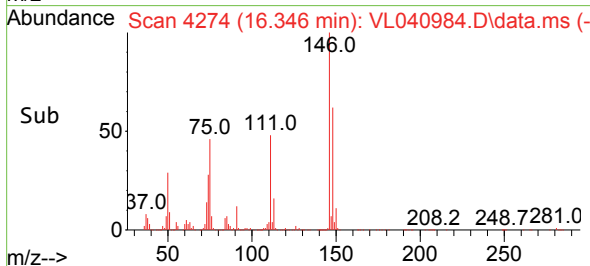
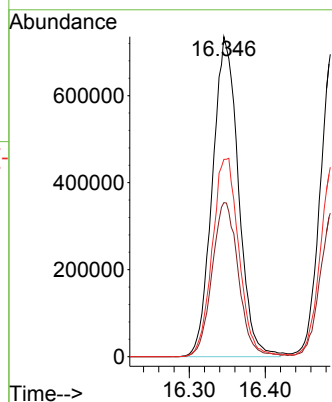
Tgt Ion:146 Resp: 1741308

Ion Ratio Lower Upper

146 100

111 49.0 24.7 74.1

148 63.9 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.463 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

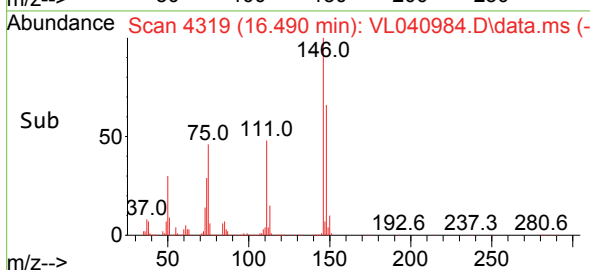
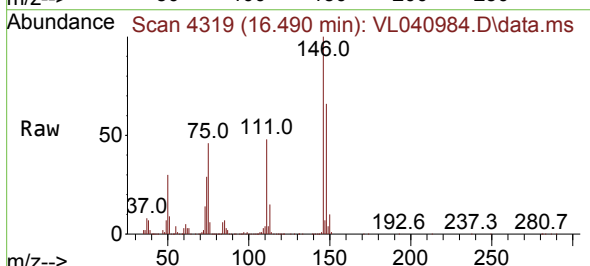
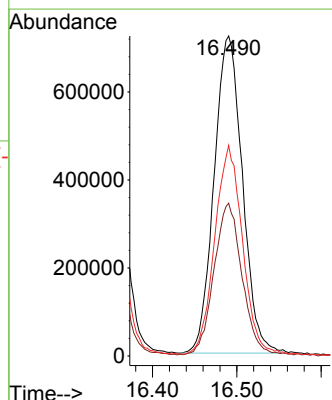
Tgt Ion:146 Resp: 1680640

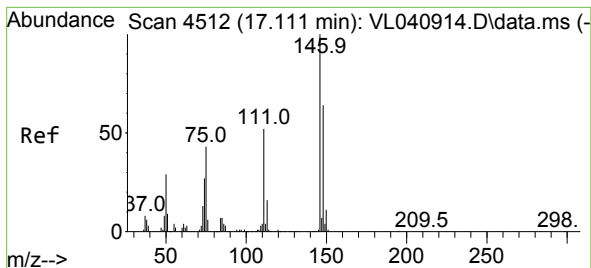
Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.4

148 66.2 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.424 ppbv

RT: 17.156 min Scan# 41

Delta R.T. -0.000 min

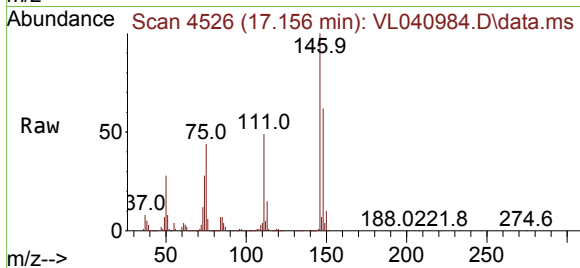
Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :



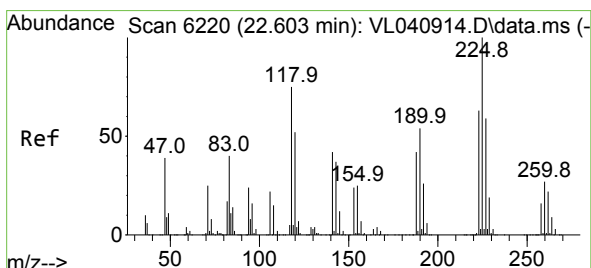
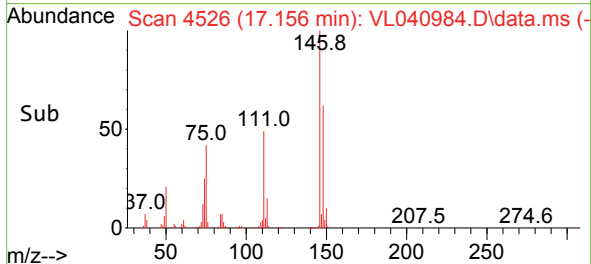
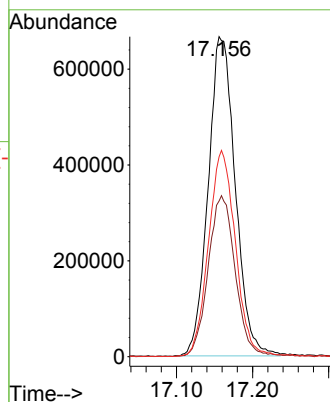
Tgt Ion:146 Resp: 1648318

Ion Ratio Lower Upper

146 100

111 50.5 25.5 76.5

148 64.6 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 8.140 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

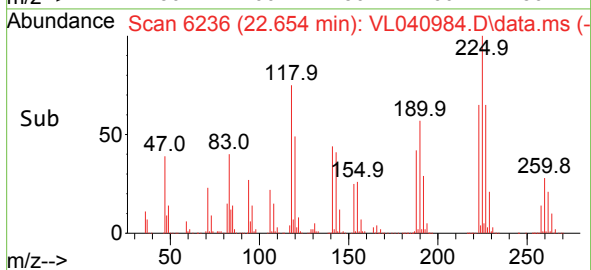
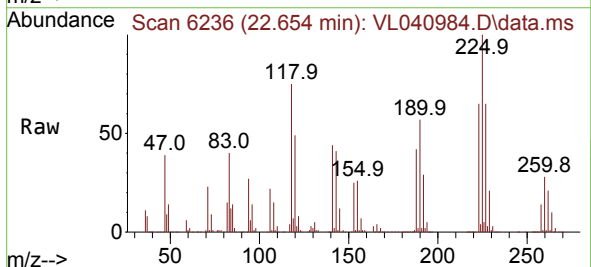
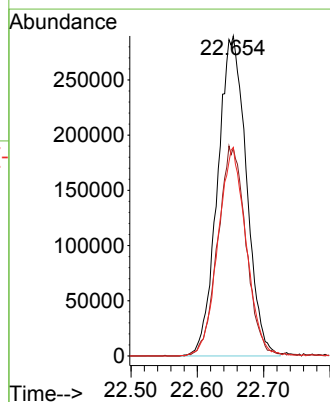
Tgt Ion:225 Resp: 875583

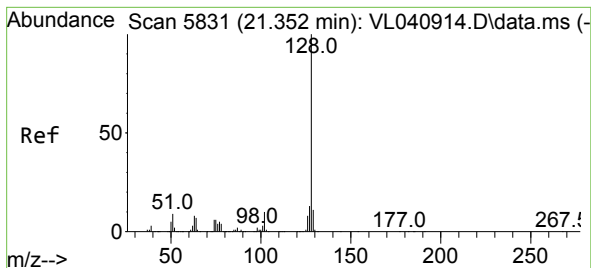
Ion Ratio Lower Upper

225 100

223 64.5 51.5 77.3

227 63.7 51.7 77.5





#79

Naphthalene

Concen: 12.641 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. -0.000 min

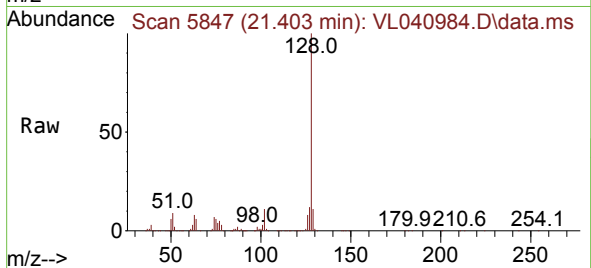
Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :



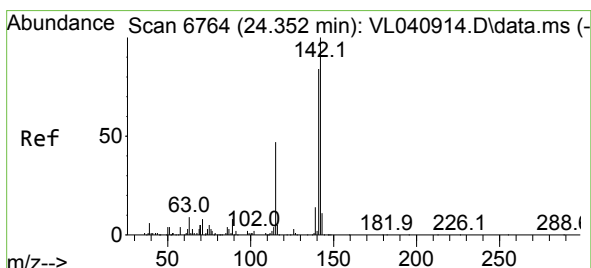
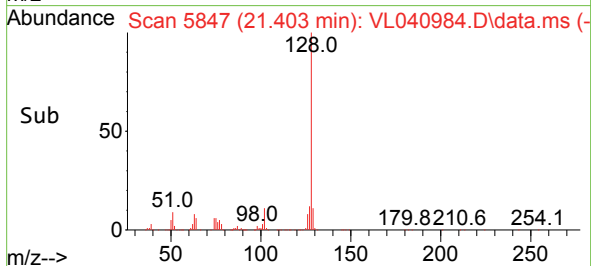
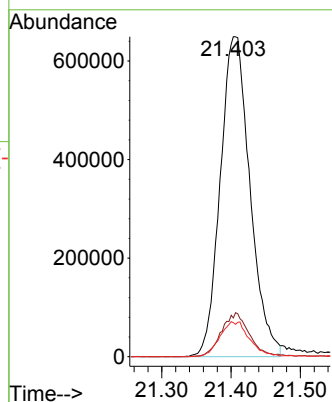
Tgt Ion:128 Resp: 1935847

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

129 10.6 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 12.671 ppbv

RT: 24.394 min Scan# 6777

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

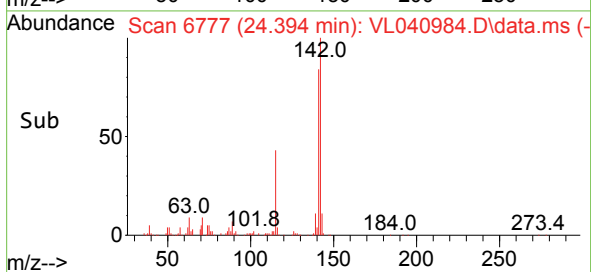
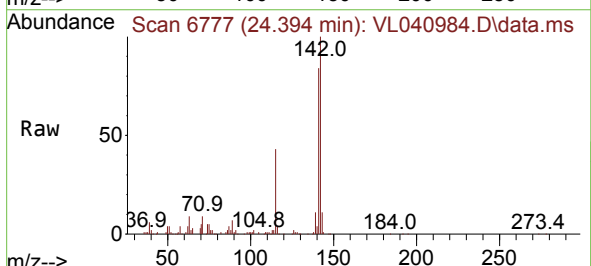
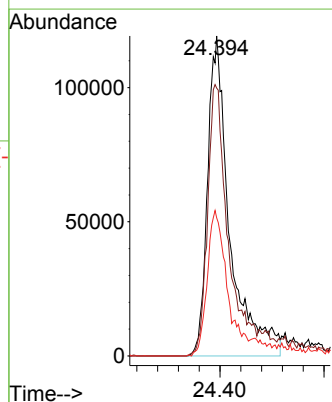
Tgt Ion:142 Resp: 354673

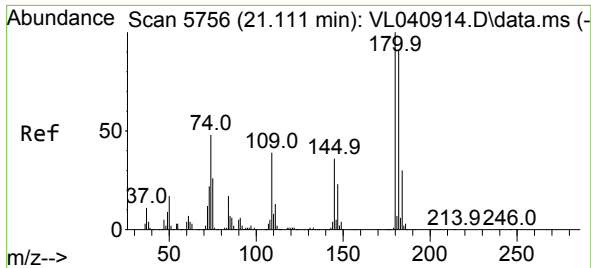
Ion Ratio Lower Upper

142 100

141 82.6 68.5 102.7

115 47.9 34.5 51.7





#81

1,2,4-Trichlorobenzene

Concen: 11.214 ppbv

RT: 21.162 min Scan# 51

Delta R.T. 0.010 min

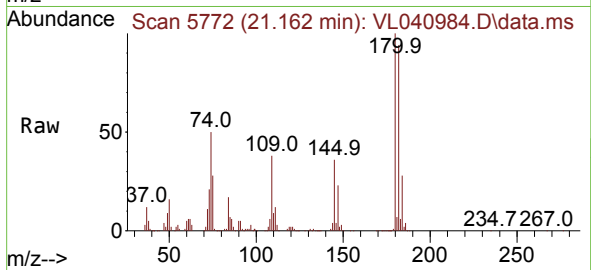
Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 985886

Ion Ratio Lower Upper

180 100

182 97.4 79.4 119.0

184 30.1 24.5 36.7

