

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041024.D
 Acq On : 25 Jan 2024 9:49
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 26 00:24:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1131998	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2761238	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2663177	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2104052	10.460	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	2185499	8.741	ppbv	98
3) Chlorodifluoromethane	2.661	51	1837336	9.650	ppbv	99
4) Chloromethane	2.800	50	697693	9.777	ppbv	99
5) Vinyl Chloride	2.906	62	725740	10.372	ppbv	100
6) Bromomethane	3.105	94	298918	9.812	ppbv	100
7) Chloroethane	3.182	64	251403	9.979	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1761362	9.430	ppbv	99
9) Propene	2.681	41	600521	9.616	ppbv	96
10) Heptane	7.565	43	1520208	9.891	ppbv	99
11) Trichlorofluoromethane	3.549	101	1951730	9.688	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1394773	9.553	ppbv	100
13) Ethanol	3.227	45	125536	8.434	ppbv	100
14) Bromoethene	3.353	108	565798	10.093	ppbv	99
15) Acetone	3.456	43	1296760	8.958	ppbv	98
16) 1,3-Butadiene	2.970	39	690422	9.970	ppbv	99
17) tert-Butyl alcohol	3.864	59	1125652	9.481	ppbv	99
18) 1,1-Dichloroethene	3.867	96	600965	9.614	ppbv	99
19) Isopropyl Alcohol	3.562	45	773539	9.231	ppbv	99
20) Methylene Chloride	3.919	84	502528	9.021	ppbv	96
21) Allyl Chloride	3.983	41	860107	9.779	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	612855	9.521	ppbv	96
23) Vinyl Acetate	4.613	43	1506395	10.095	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1261270	9.528	ppbv	98
25) Ethyl Acetate	5.192	43	2524851	9.619	ppbv	100
26) Hexane	5.201	57	1077160	9.628	ppbv	99
27) Carbon Disulfide	4.111	76	1526324	10.483	ppbv	100
28) Methyl tert-Butyl Ether	4.571	73	837620	9.020	ppbv	97
29) Chloroform	5.259	83	1911550	9.633	ppbv	100
30) Cyclohexane	6.587	84	914856	9.759	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1109963	10.570	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1898107	10.008	ppbv	99
34) 2-Butanone	4.771	43	1420416	10.798	ppbv	99
35) Carbon Tetrachloride	6.481	117	2020367	10.972	ppbv	98
36) Benzene	6.356	78	2364961	10.371	ppbv	97
37) 1,2-Dichloroethane	5.793	62	1467071	10.542	ppbv	99
38) Trichloroethene	7.279	130	924134	10.108	ppbv	96
39) 1,2-Dichloropropane	7.063	63	928591	10.336	ppbv	97
40) 1,4-Dioxane	7.269	88	357639	9.585	ppbv	81
41) Tetrahydrofuran	5.542	42	955049	10.693	ppbv	99
42) Bromodichloromethane	7.237	83	2128235	10.688	ppbv	100
43) Methyl Methacrylate	7.462	69	988374	11.232	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3952904	10.302	ppbv	99
45) t-1,3-Dichloropropene	8.697	75	727381	12.097	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

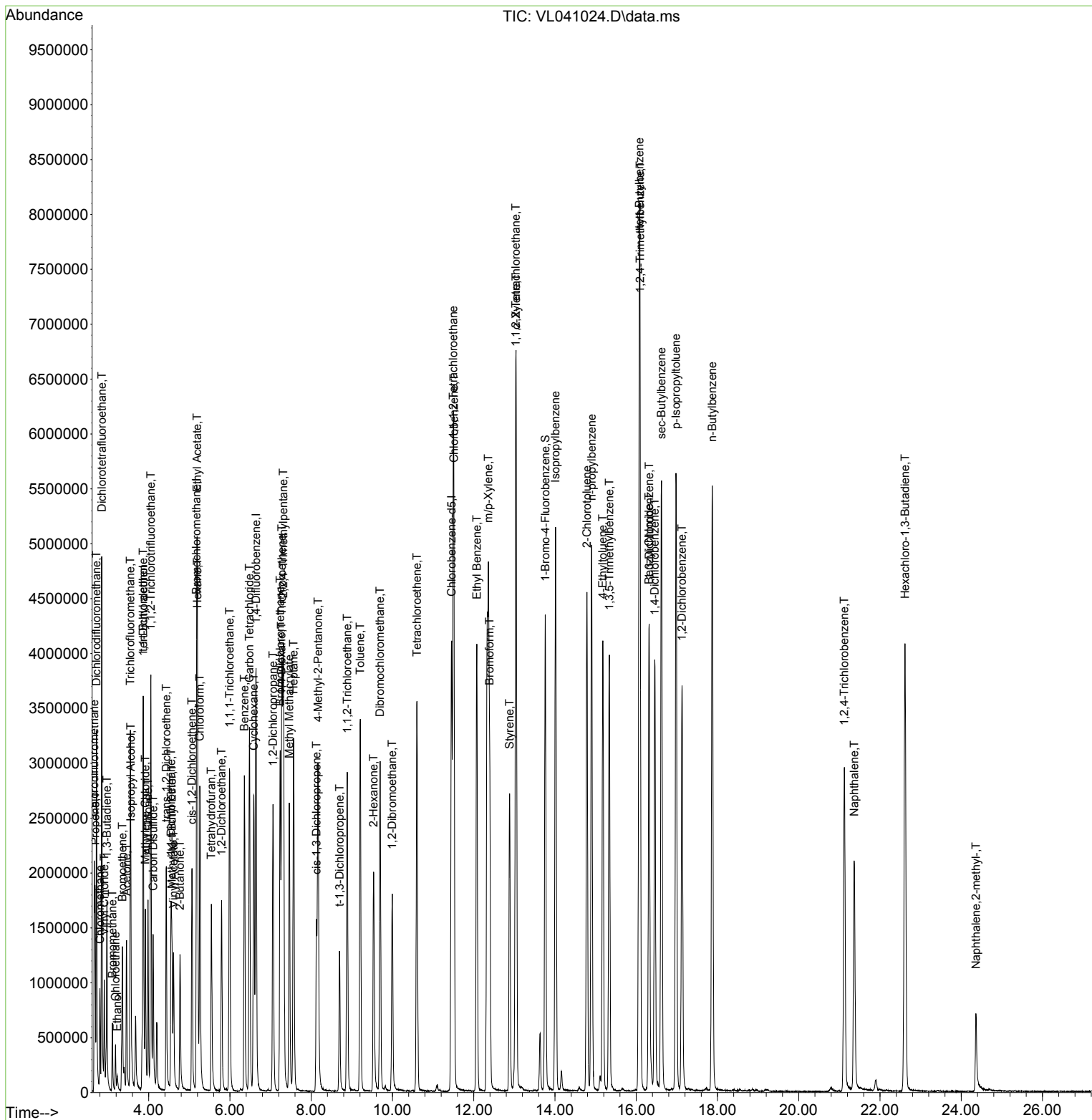
Instrument :
 MSVOA_L
 ClientSampleId :

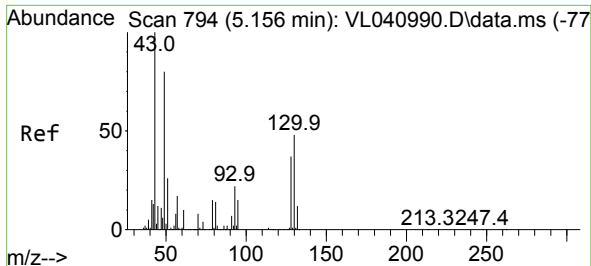
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	861478	11.489	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	1004754	10.376	ppbv	98
48) Dibromochloromethane	9.696	129	1794852	10.964	ppbv	99
49) Bromoform	12.391	173	1520622	11.841	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2587157	11.168	ppbv	98
51) 2-Hexanone	9.536	43	1884163	11.283	ppbv #	99
52) Tetrachloroethene	10.603	164	819336	10.819	ppbv	98
53) Toluene	9.208	91	2704396	10.825	ppbv	100
54) 1,2-Dibromoethane	9.995	107	1464006	11.164	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.494	131	1311413	10.263	ppbv	99
57) Chlorobenzene	11.513	112	2136713	9.974	ppbv	100
58) Ethyl Benzene	12.076	91	3738356	10.453	ppbv	100
59) m/p-Xylene	12.359	91	3953711	12.680	ppbv #	57
60) o-Xylene	13.044	91	3115584	10.414	ppbv	99
61) Styrene	12.883	104	1572712	11.449	ppbv	99
62) Isopropylbenzene	14.015	105	4495005	10.160	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2318047	9.970	ppbv	99
64) n-propylbenzene	14.902	120	1151542	10.302	ppbv	98
65) tert-Butylbenzene	16.076	119	3984943	10.309	ppbv	99
66) Benzyl Chloride	16.314	91	3011128	11.888	ppbv	99
67) sec-Butylbenzene	16.619	105	5687346	10.105	ppbv	99
69) p-Isopropyltoluene	16.979	119	4546254	10.427	ppbv	99
70) n-Butylbenzene	17.870	91	4905064	10.411	ppbv	100
71) 2-Chlorotoluene	14.786	91	3562993	10.437	ppbv	99
72) 4-Ethyltoluene	15.175	105	3596023	10.763	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3099790	10.454	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	3449234	10.261	ppbv	93
75) 1,3-Dichlorobenzene	16.317	146	1968529	10.290	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1918692	10.164	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1907180	10.030	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	1086596	8.862	ppbv	99
79) Naphthalene	21.365	128	2631924	13.725	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	534201	15.862	ppbv	96
81) 1,2,4-Trichlorobenzene	21.120	180	1271645	11.366	ppbv	98

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

Quant Time: Jan 26 00:24:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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QLast Update : Fri Jan 26 00:23:09 2024
Response via : Initial Calibration

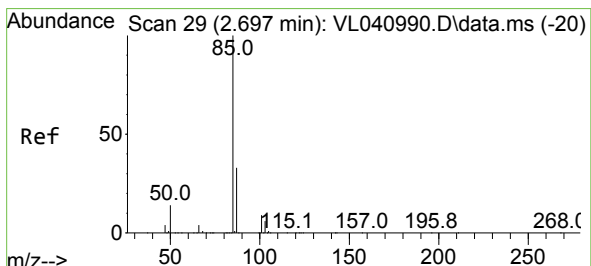
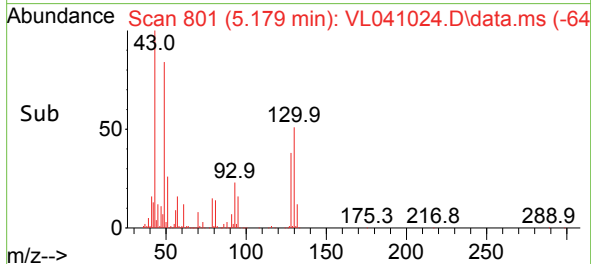
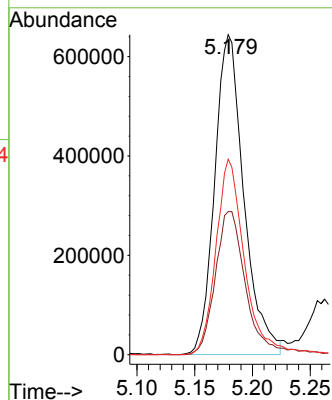
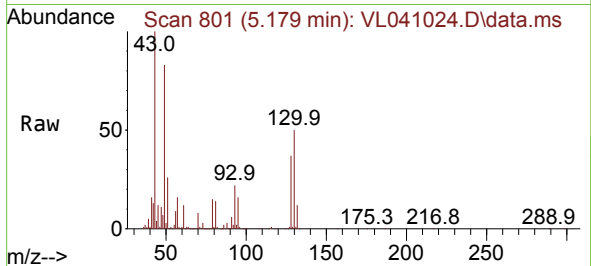




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

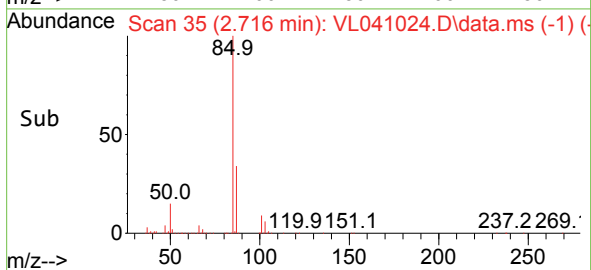
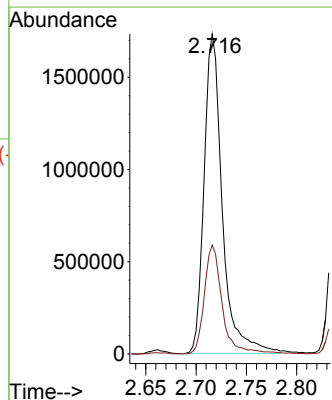
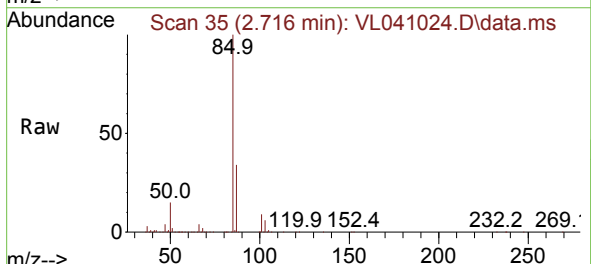
Instrument :
 MSVOA_L
 ClientSampleId :

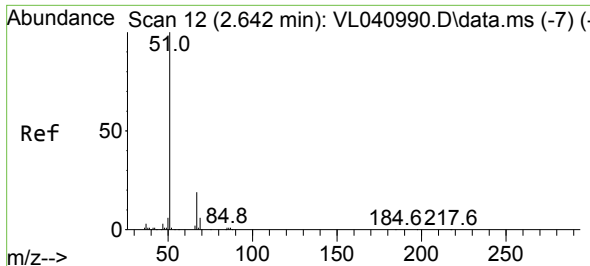
Tgt Ion: 49 Resp: 1131998
 Ion Ratio Lower Upper
 49 100
 128 47.6 23.9 71.7
 130 61.3 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 8.741 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion: 85 Resp: 2185499
 Ion Ratio Lower Upper
 85 100
 87 34.1 26.3 39.5

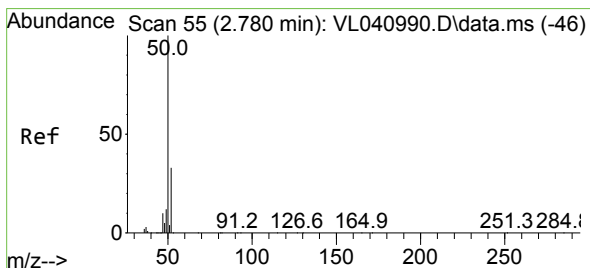
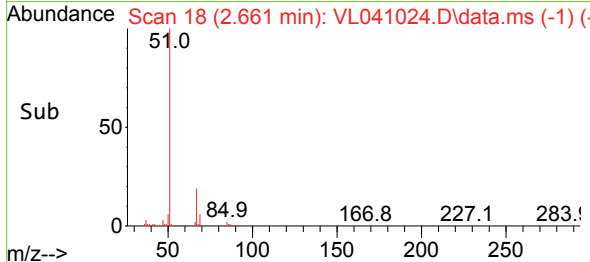
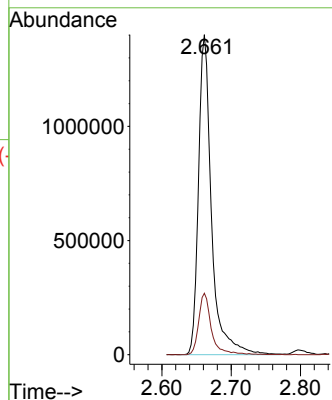
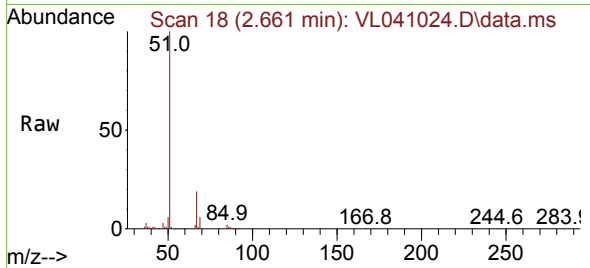




#3
Chlorodifluoromethane
Concen: 9.650 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

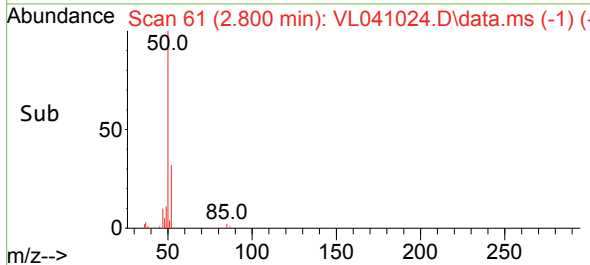
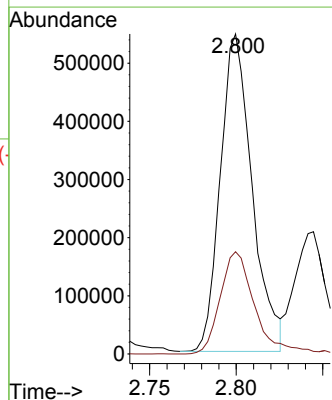
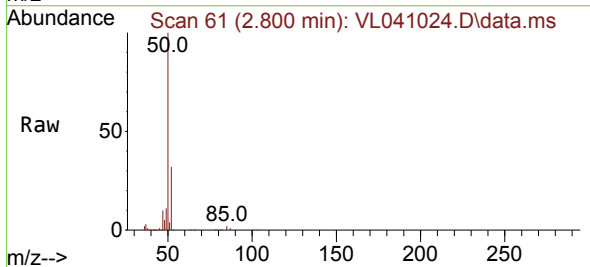
Instrument :
MSVOA_L
ClientSampleId :

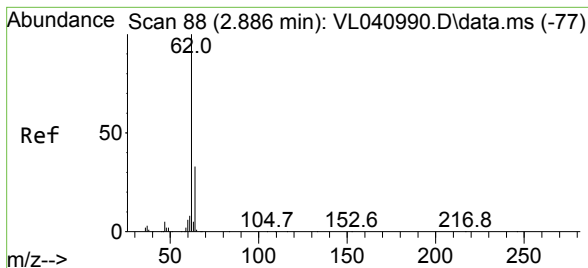
Tgt Ion: 51 Resp: 1837336
Ion Ratio Lower Upper
51 100
67 18.9 14.8 22.2



#4
Chloromethane
Concen: 9.777 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 50 Resp: 697693
Ion Ratio Lower Upper
50 100
52 32.2 26.2 39.4

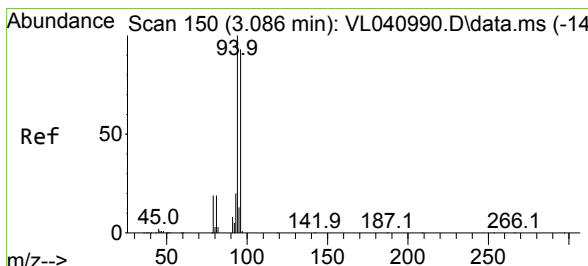
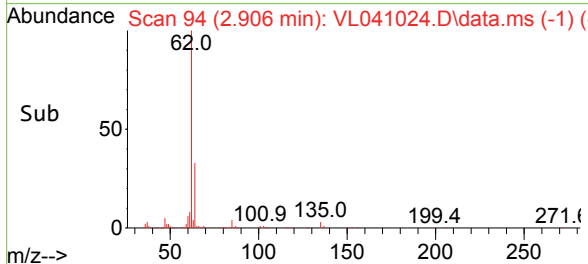
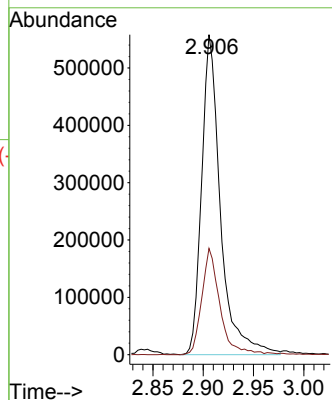
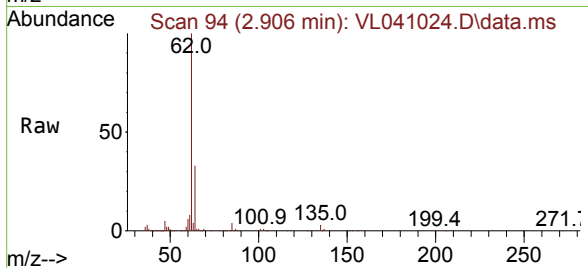




#5
 Vinyl Chloride
 Concen: 10.372 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

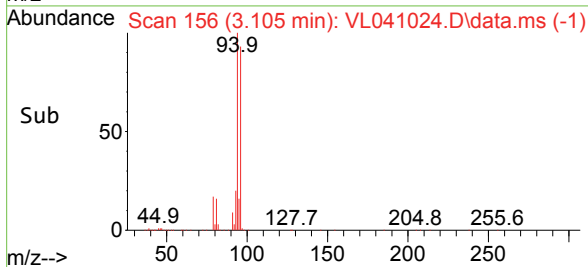
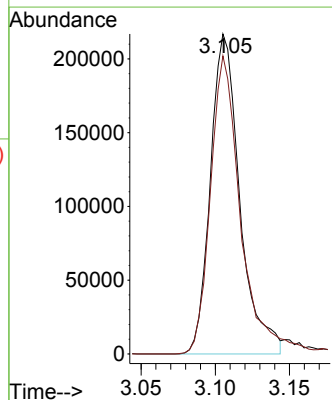
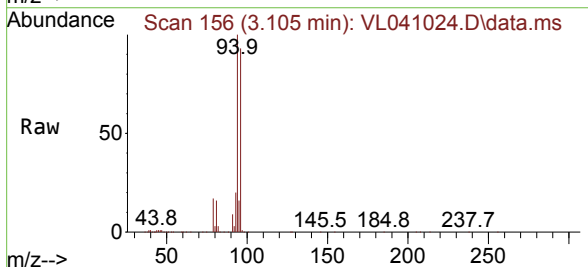
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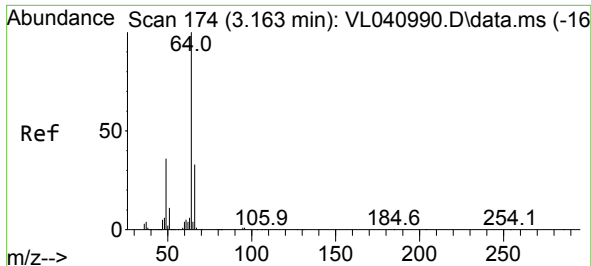
Tgt Ion: 62 Resp: 725740
 Ion Ratio Lower Upper
 62 100
 64 33.2 26.6 40.0



#6
 Bromomethane
 Concen: 9.812 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion: 94 Resp: 298918
 Ion Ratio Lower Upper
 94 100
 96 93.0 74.2 111.4

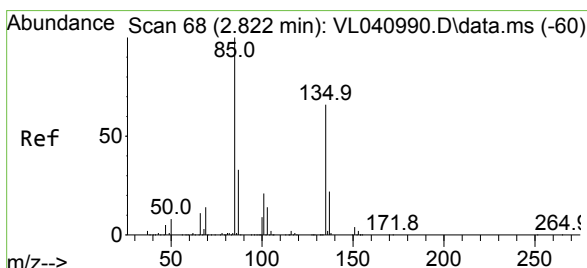
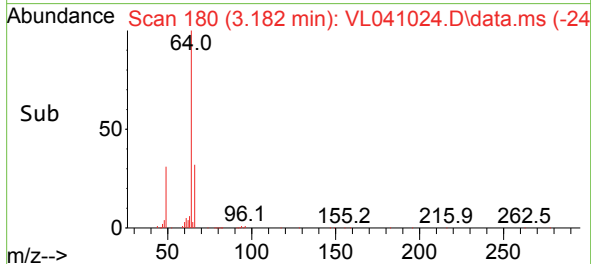
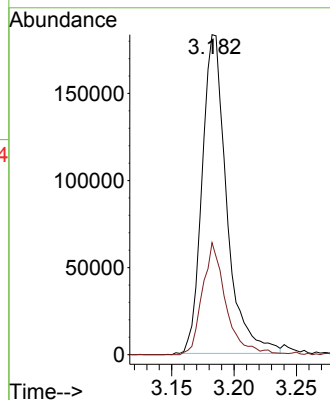
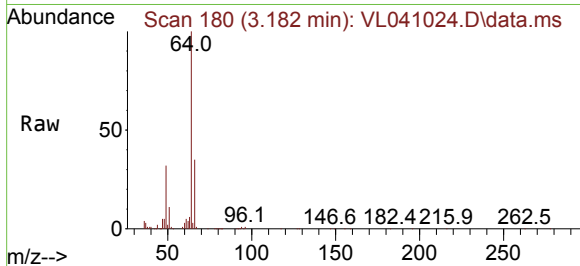




#7
Chloroethane
Concen: 9.979 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

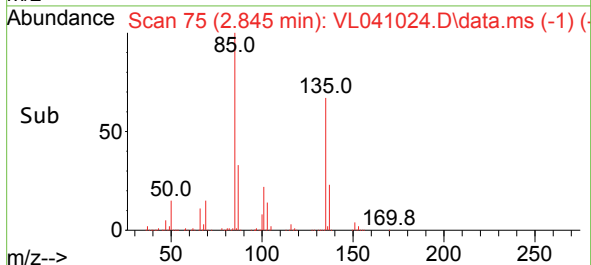
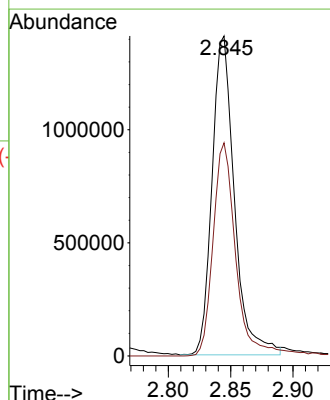
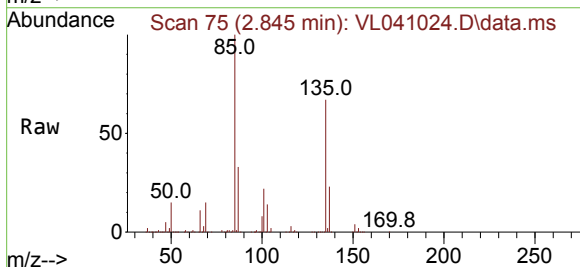
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ClientSampleId :

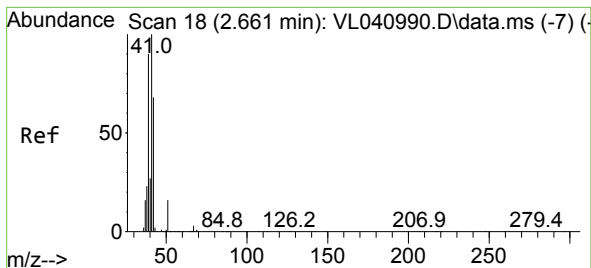
Tgt Ion: 64 Resp: 251403
Ion Ratio Lower Upper
64 100
66 35.0 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.430 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 85 Resp: 1761362
Ion Ratio Lower Upper
85 100
135 69.3 55.0 82.6





#9

Propene

Concen: 9.616 ppbv

RT: 2.681 min Scan# 24

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

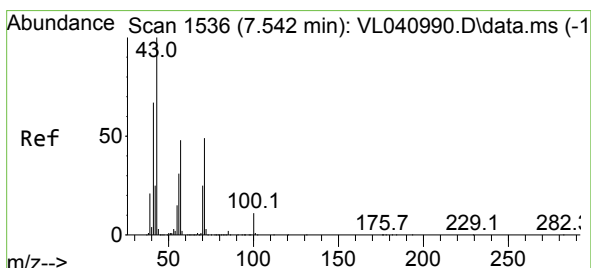
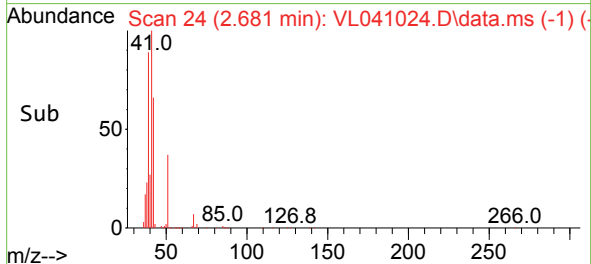
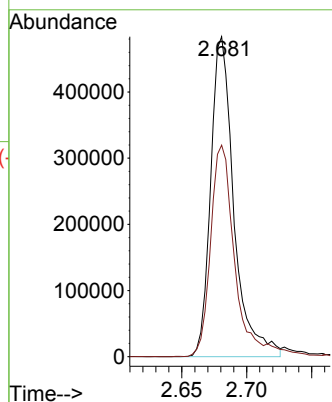
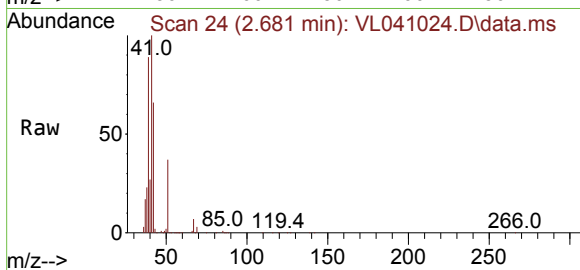
ClientSampleId :

Tgt Ion: 41 Resp: 600521

Ion Ratio Lower Upper

41 100

42 70.5 59.0 88.4



#10

Heptane

Concen: 9.891 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. 0.000 min

Lab File: VL041024.D

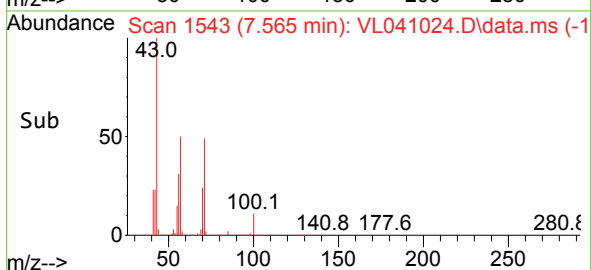
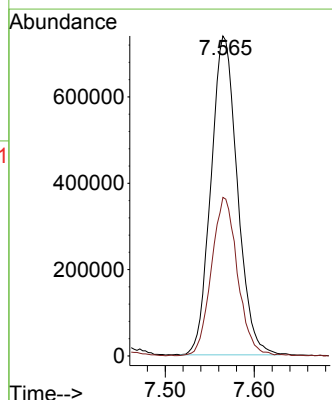
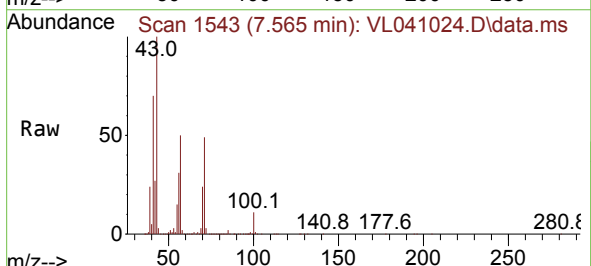
Acq: 25 Jan 2024 9:49

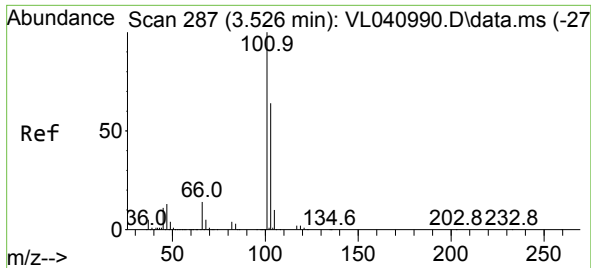
Tgt Ion: 43 Resp: 1520208

Ion Ratio Lower Upper

43 100

57 49.7 39.4 59.2

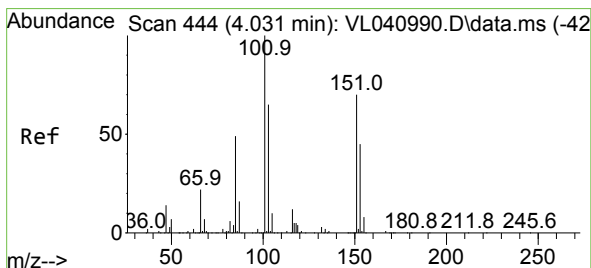
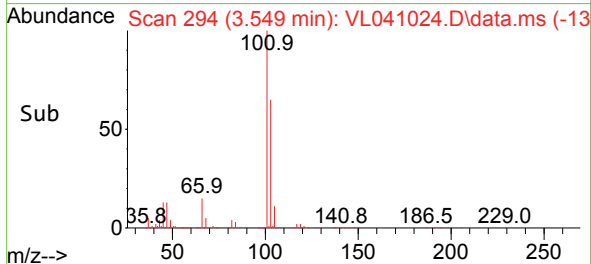
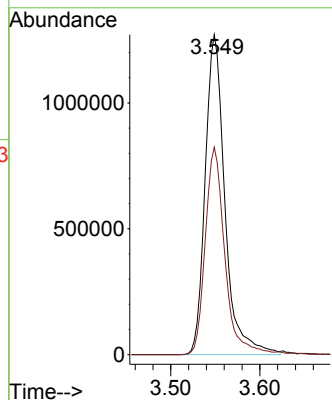
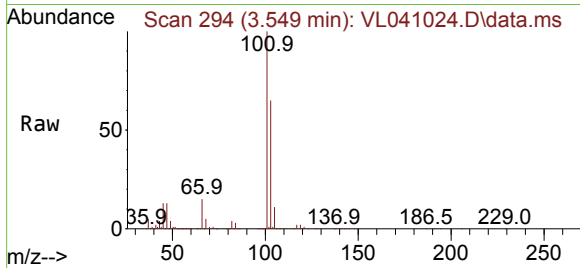




#11
 Trichlorofluoromethane
 Concen: 9.688 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

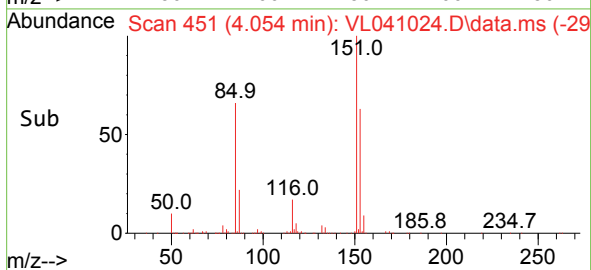
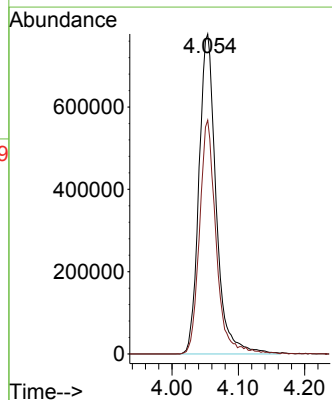
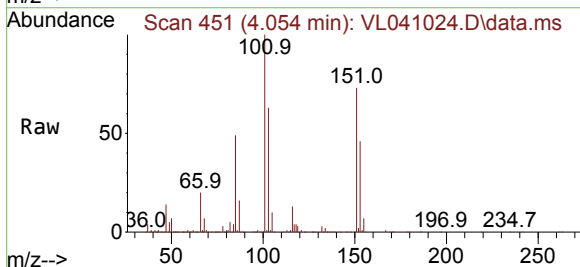
Instrument :
 MSVOA_L
 ClientSampleId :

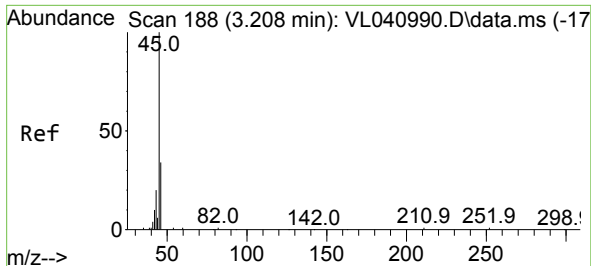
Tgt Ion:101 Resp: 1951730
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.553 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion:101 Resp: 1394773
 Ion Ratio Lower Upper
 101 100
 151 70.9 56.6 85.0

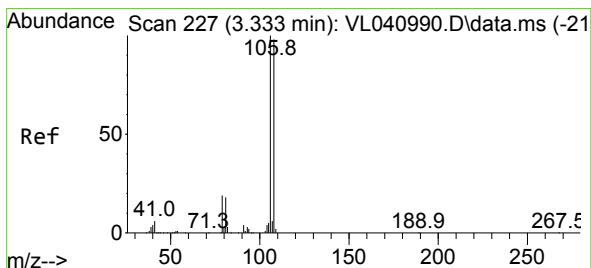
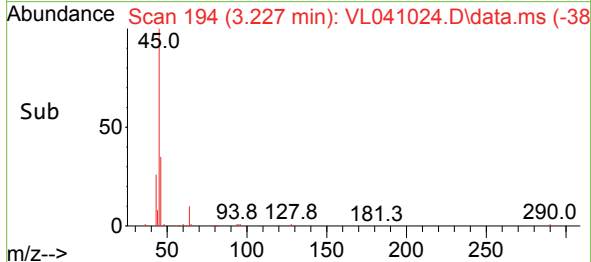
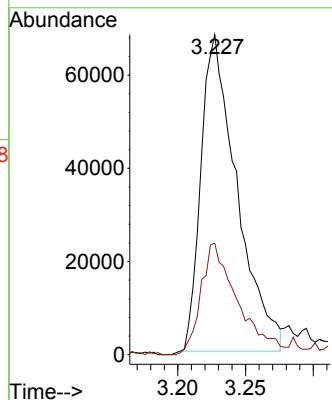
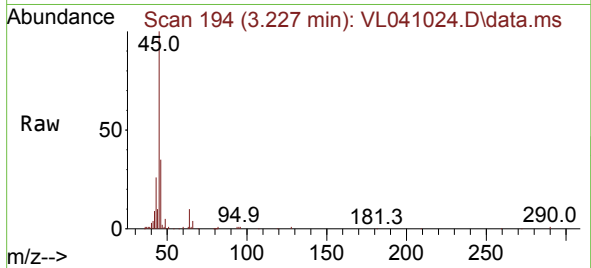




#13
Ethanol
Concen: 8.434 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

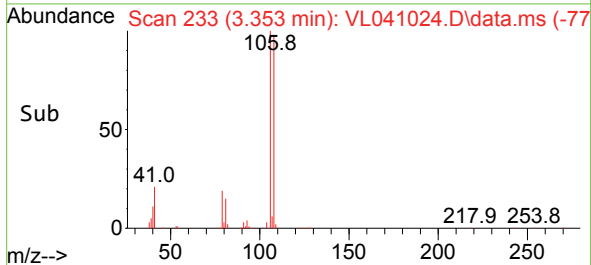
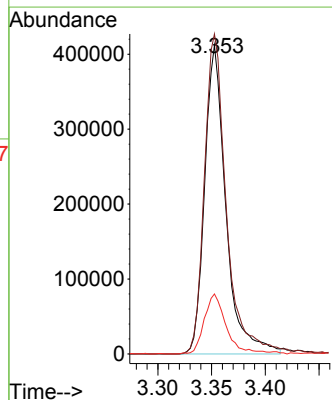
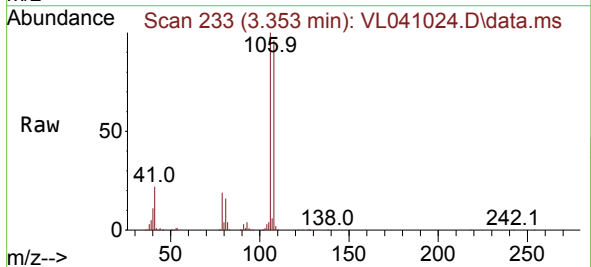
Instrument :
MSVOA_L
ClientSampleId :

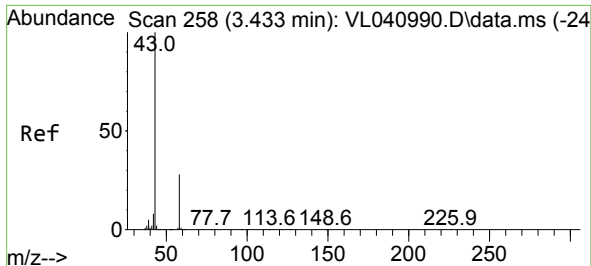
Tgt Ion: 45 Resp: 125536
Ion Ratio Lower Upper
45 100
46 40.3 16.2 64.8



#14
Bromoethene
Concen: 10.093 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 108 Resp: 565798
Ion Ratio Lower Upper
108 100
106 108.6 86.4 129.6
79 20.5 16.2 24.4





#15

Acetone

Concen: 8.958 ppbv

RT: 3.456 min Scan# 20

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

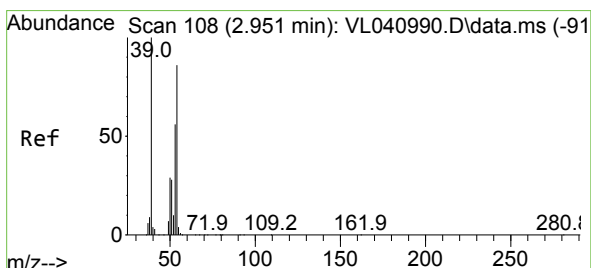
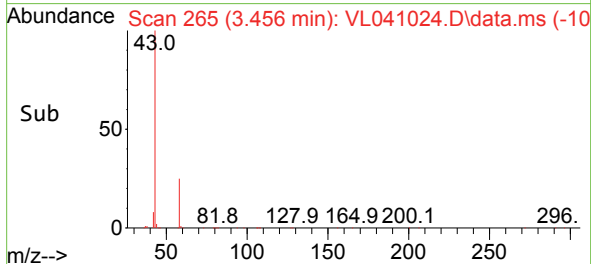
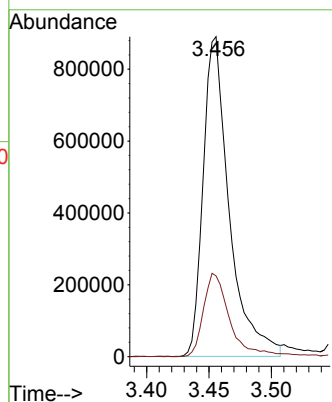
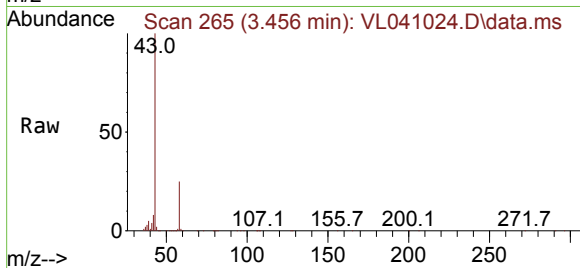
ClientSampleId :

Tgt Ion: 43 Resp: 1296760

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.2



#16

1,3-Butadiene

Concen: 9.970 ppbv

RT: 2.970 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041024.D

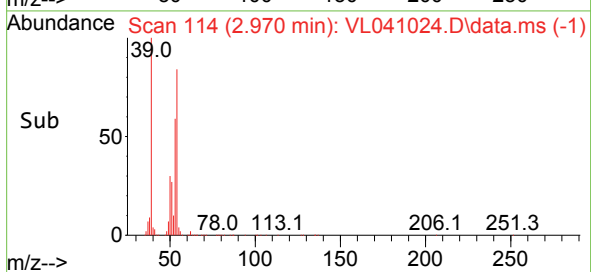
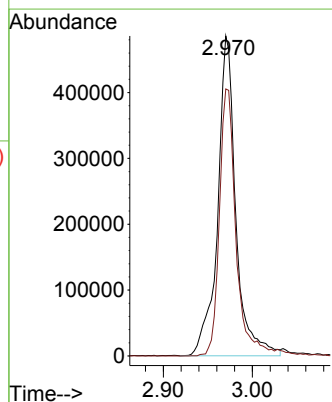
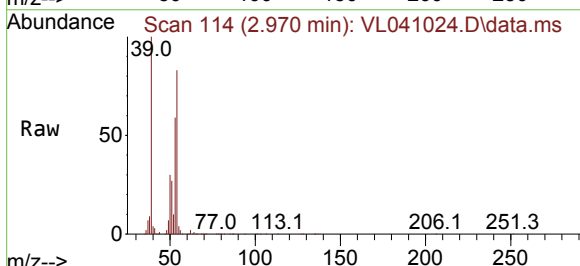
Acq: 25 Jan 2024 9:49

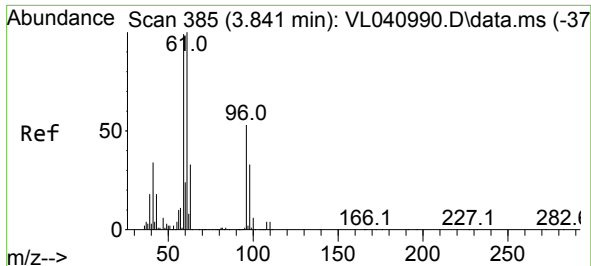
Tgt Ion: 39 Resp: 690422

Ion Ratio Lower Upper

39 100

54 77.8 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.481 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

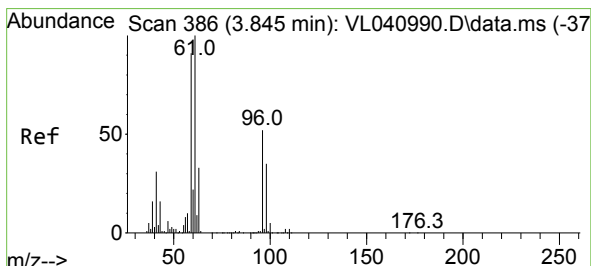
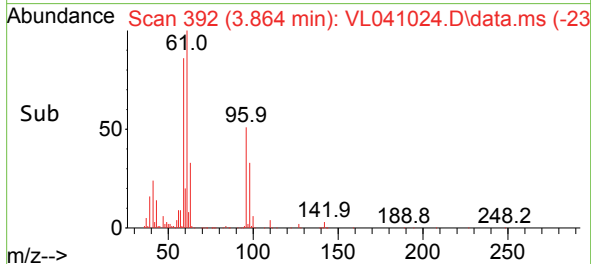
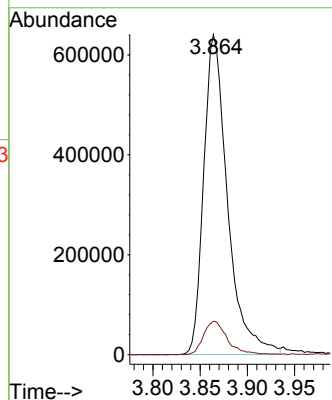
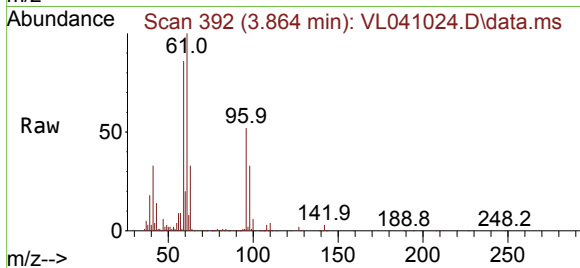
ClientSampleId :

Tgt Ion: 59 Resp: 1125652

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.614 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

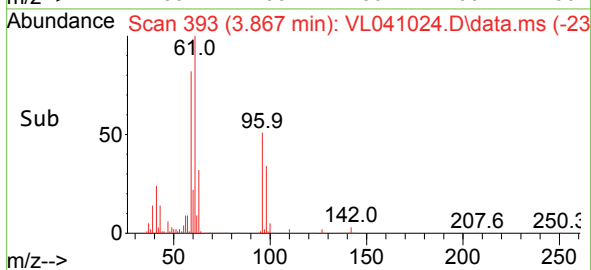
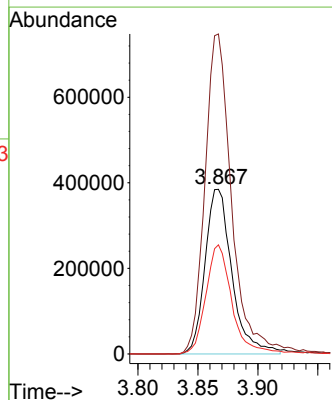
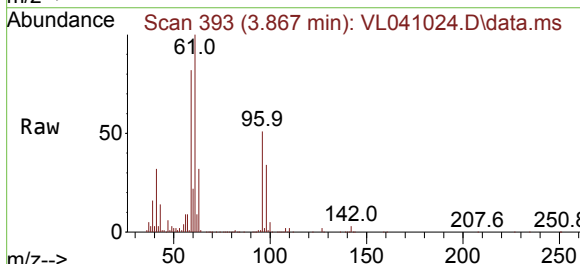
Tgt Ion: 96 Resp: 600965

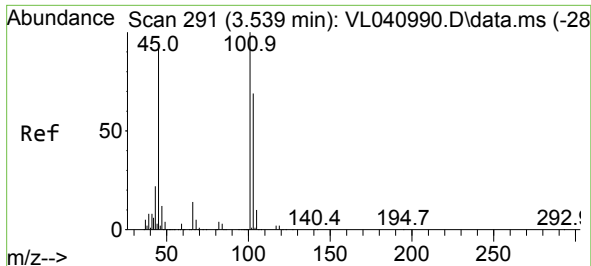
Ion Ratio Lower Upper

96 100

61 194.0 153.8 230.8

98 66.2 53.7 80.5

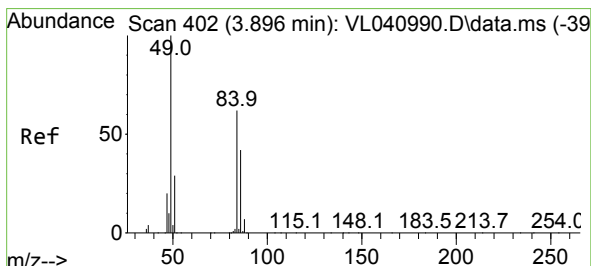
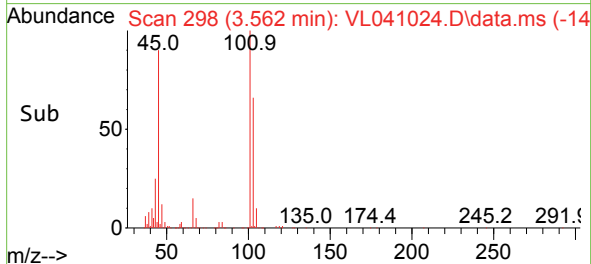
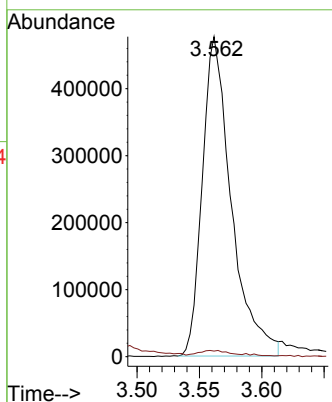
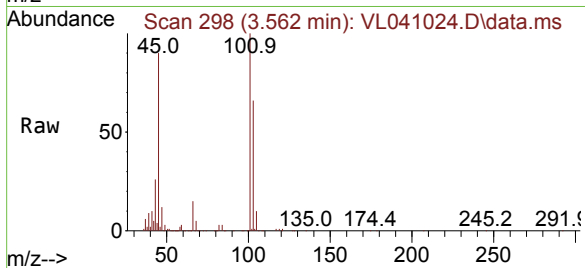




#19
Isopropyl Alcohol
Concen: 9.231 ppbv
RT: 3.562 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

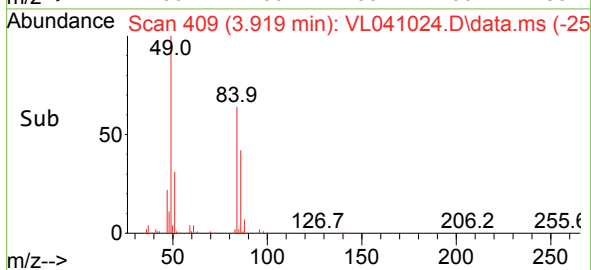
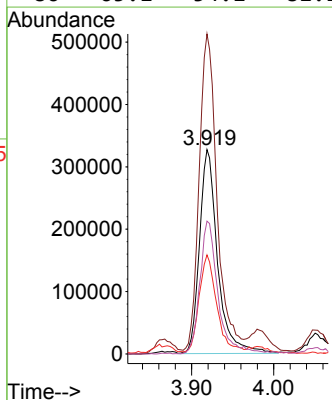
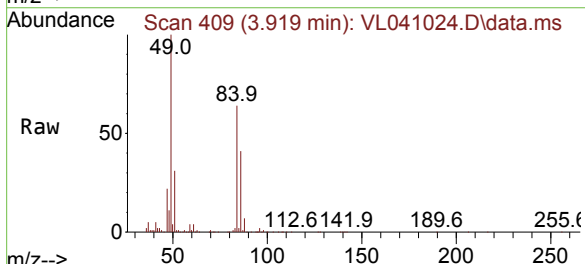
Instrument :
MSVOA_L
ClientSampleId :

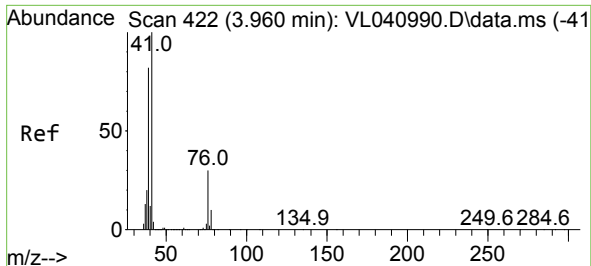
Tgt Ion: 45 Resp: 773539
Ion Ratio Lower Upper
45 100
58 2.5 2.2 3.4



#20
Methylene Chloride
Concen: 9.021 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 84 Resp: 502528
Ion Ratio Lower Upper
84 100
49 155.0 128.1 192.1
51 47.7 36.5 54.7
86 65.1 54.1 81.1

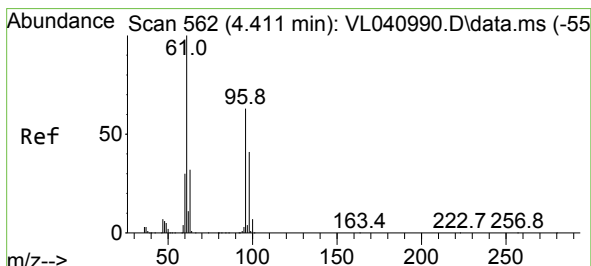
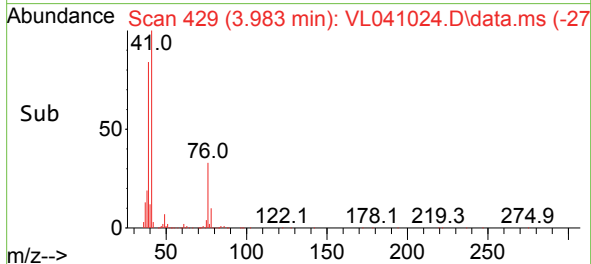
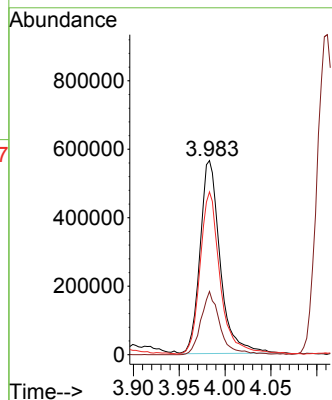
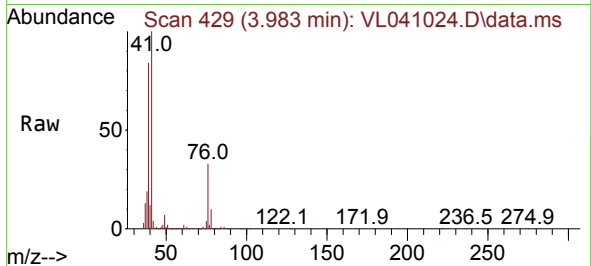




#21
 Allyl Chloride
 Concen: 9.779 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

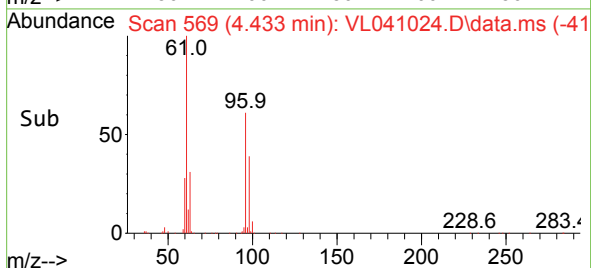
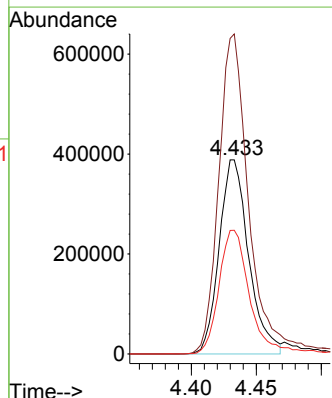
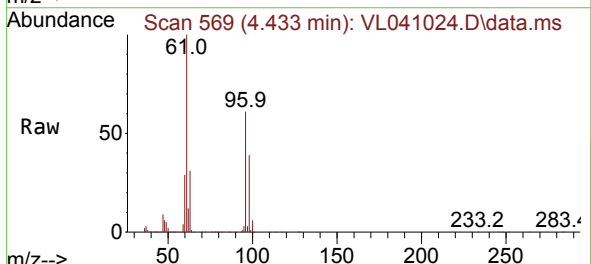
Instrument :
 MSVOA_L
 ClientSampleId :

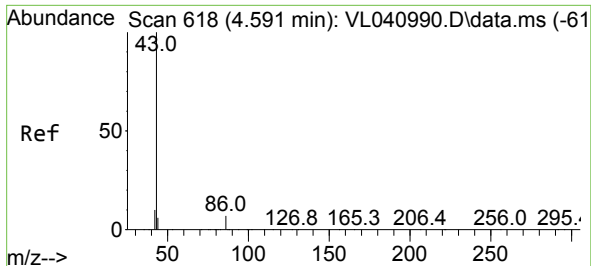
Tgt Ion: 41 Resp: 860107
 Ion Ratio Lower Upper
 41 100
 76 31.2 25.0 37.4
 39 83.6 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.521 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion: 96 Resp: 612855
 Ion Ratio Lower Upper
 96 100
 61 164.9 126.0 189.0
 98 63.7 51.2 76.8



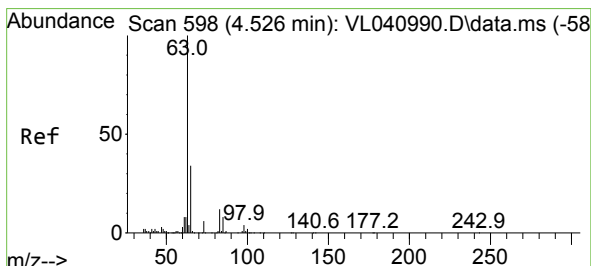
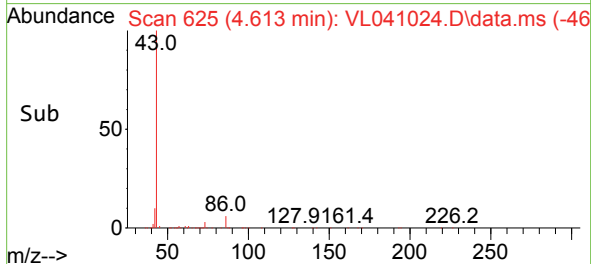
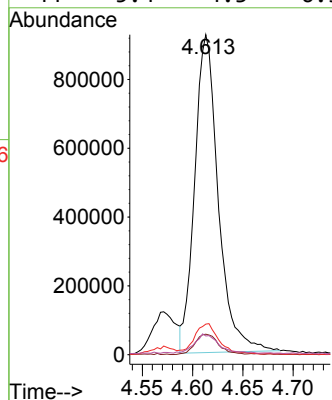
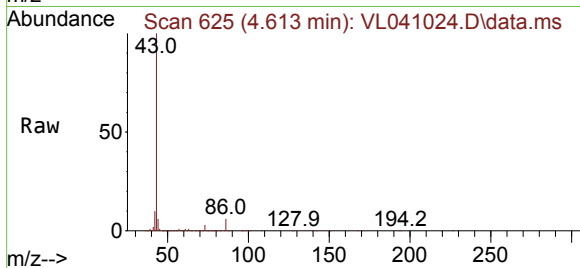


#23
 Vinyl Acetate
 Concen: 10.095 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1506395

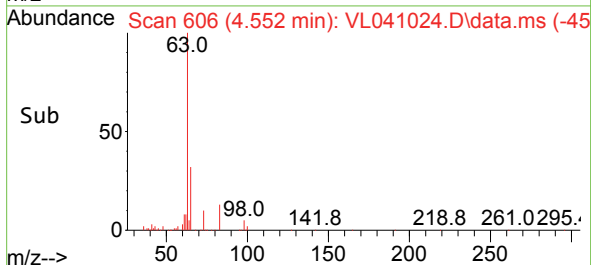
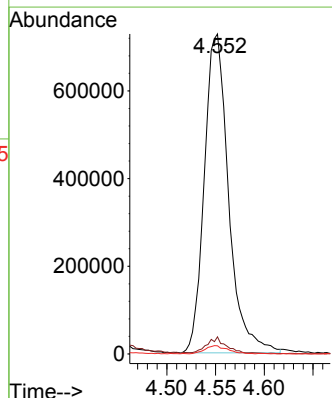
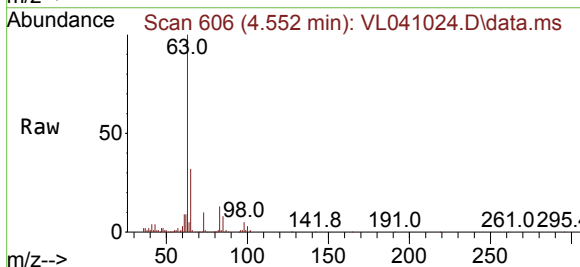
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.4	8.0
42	9.4	8.6	13.0
44	5.4	4.3	6.5

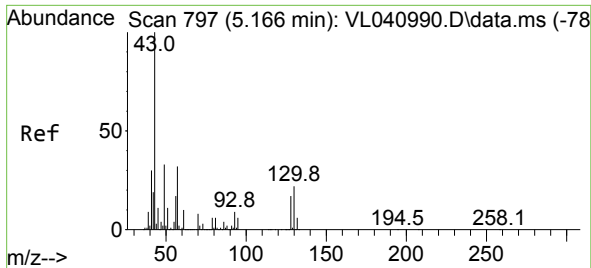


#24
 1,1-Dichloroethane
 Concen: 9.528 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion: 63 Resp: 1261270

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.1	6.3
100	2.6	1.3	3.9



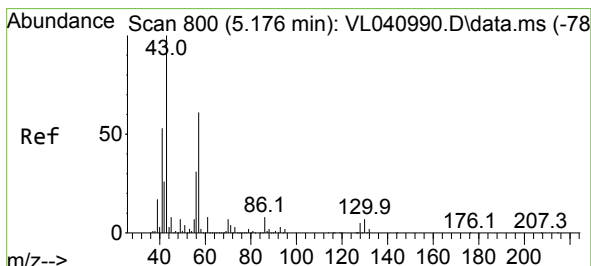
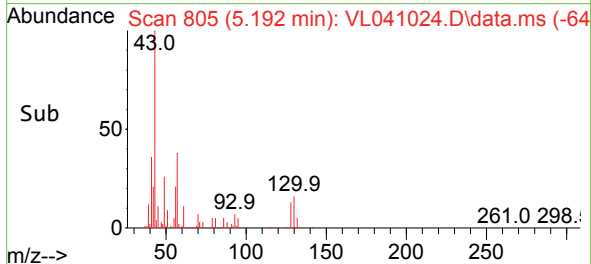
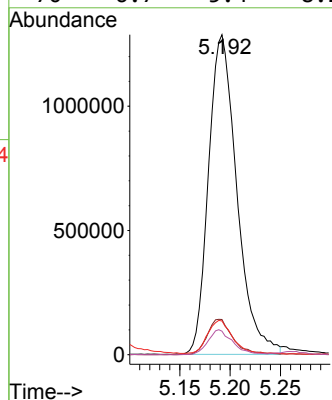
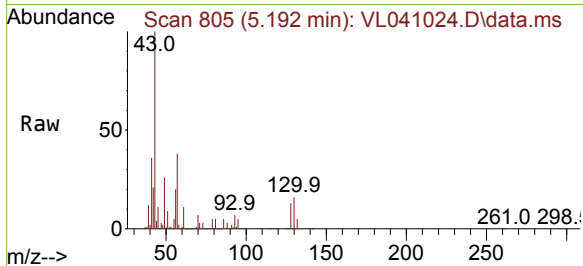


#25
Ethyl Acetate
Concen: 9.619 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2524851

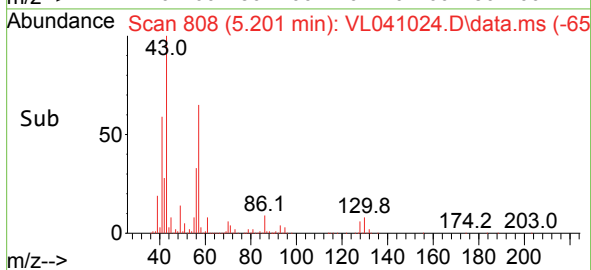
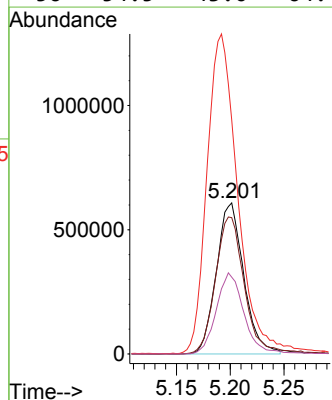
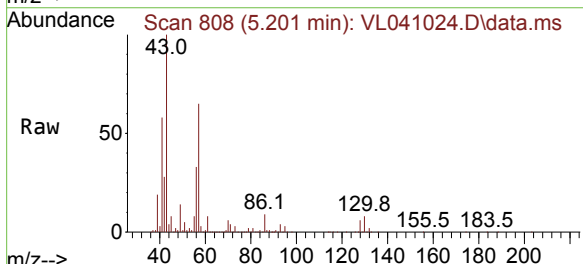
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.9	7.9	11.9
70	6.7	5.4	8.2

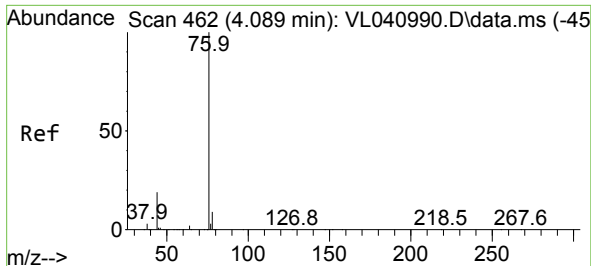


#26
Hexane
Concen: 9.628 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 57 Resp: 1077160

Ion	Ratio	Lower	Upper
57	100		
41	96.8	74.4	111.6
43	239.2	190.6	285.8
56	54.5	43.0	64.4

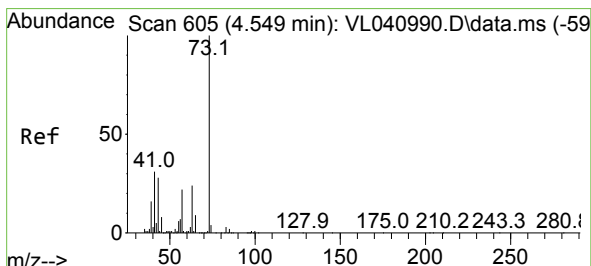
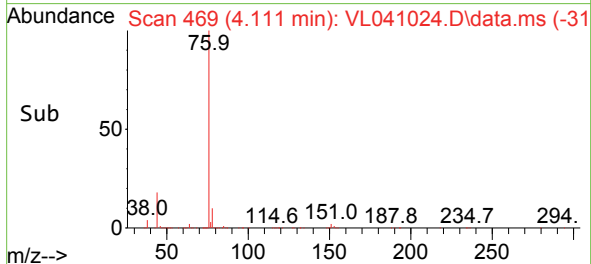
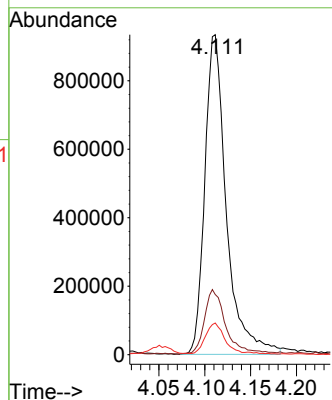
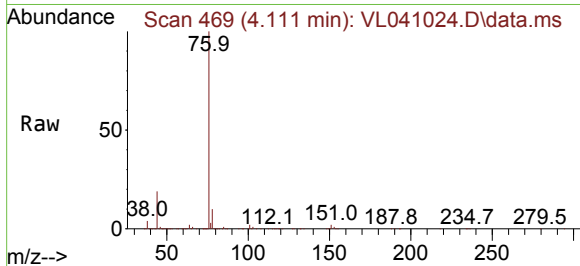




#27
Carbon Disulfide
Concen: 10.483 ppbv
RT: 4.111 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

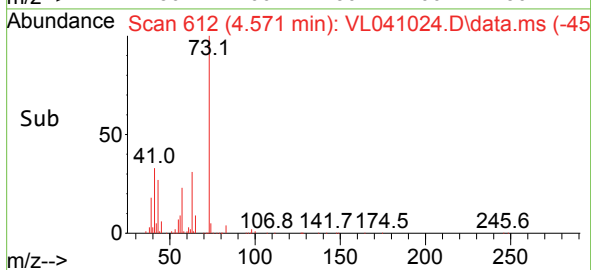
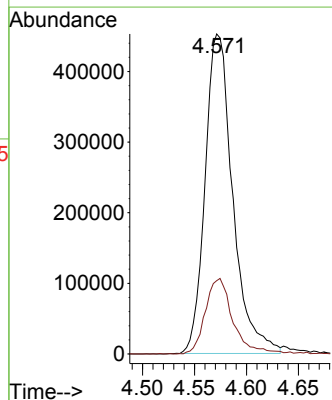
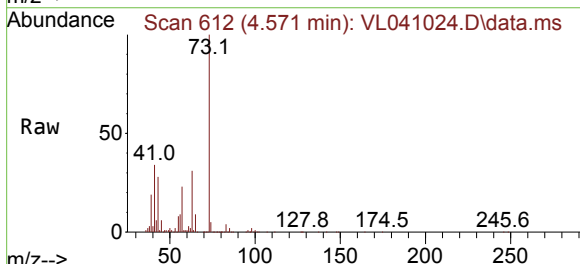
Instrument :
MSVOA_L
ClientSampleId :

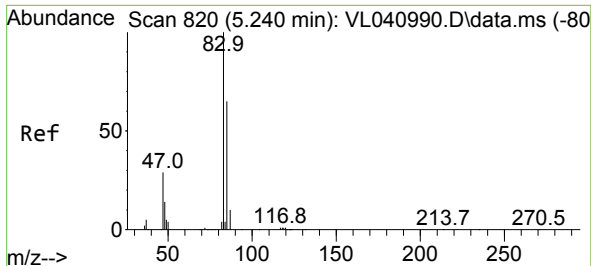
Tgt Ion: 76 Resp: 1526324
Ion Ratio Lower Upper
76 100
44 20.1 16.0 24.0
78 9.7 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.020 ppbv
RT: 4.571 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 73 Resp: 837620
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0





#29

Chloroform

Concen: 9.633 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

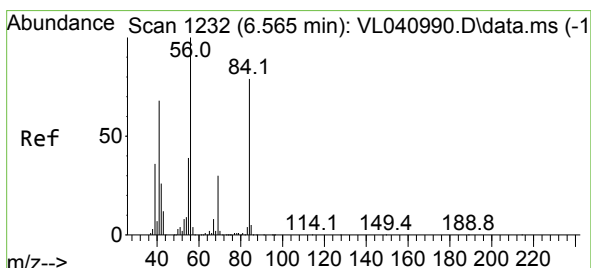
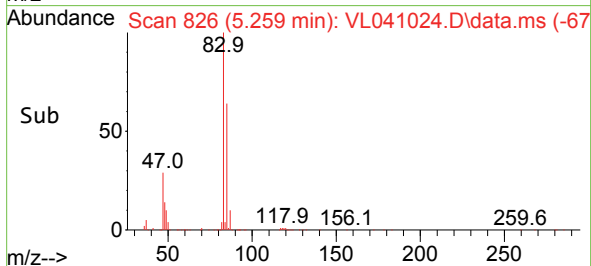
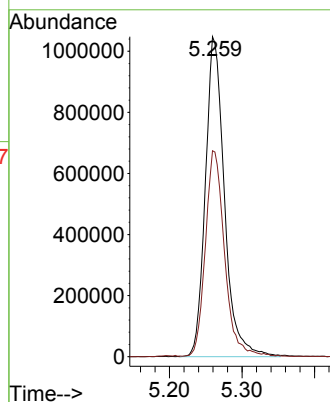
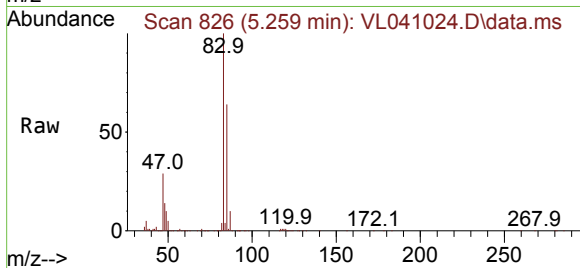
ClientSampleId :

Tgt Ion: 83 Resp: 1911550

Ion Ratio Lower Upper

83 100

85 64.2 51.6 77.4



#30

Cyclohexane

Concen: 9.759 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

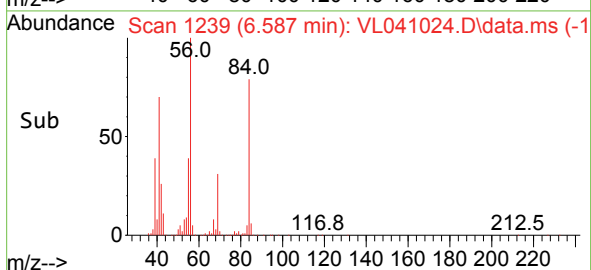
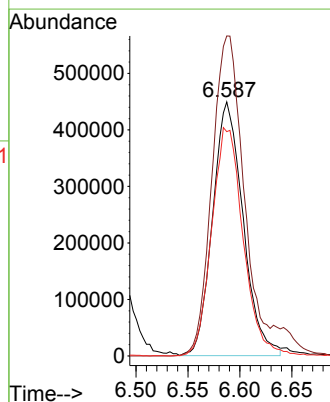
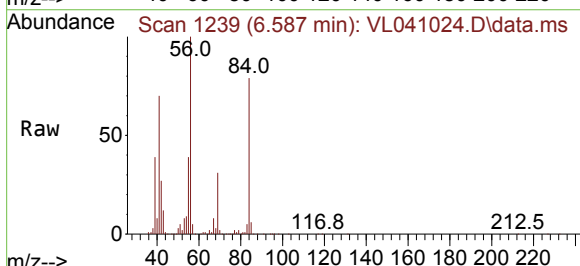
Tgt Ion: 84 Resp: 914856

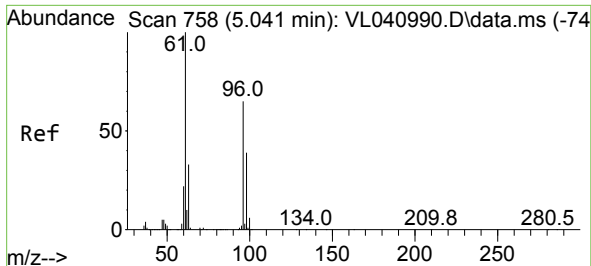
Ion Ratio Lower Upper

84 100

56 140.2 111.7 167.5

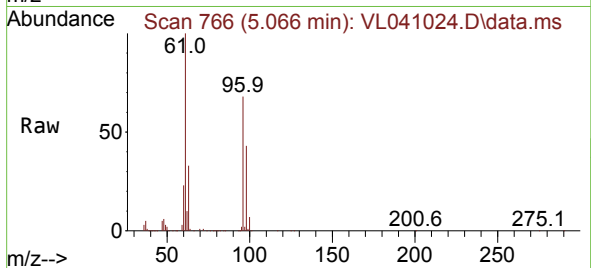
41 93.4 71.0 106.6





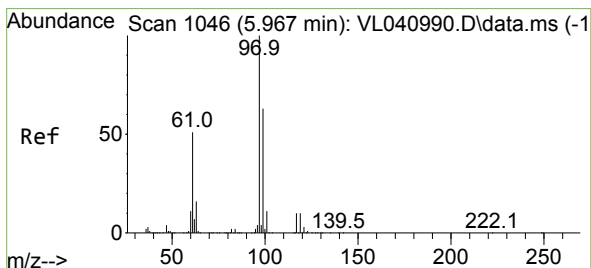
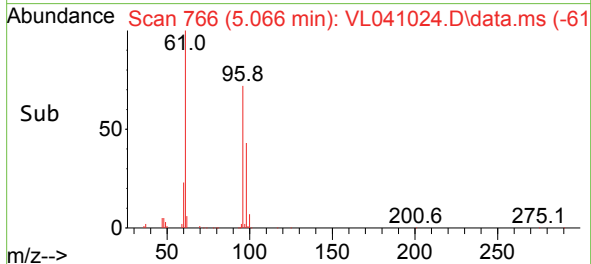
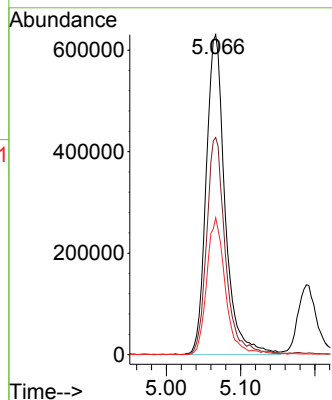
#31
 cis-1,2-Dichloroethene
 Concen: 10.570 ppbv
 RT: 5.066 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 1109963

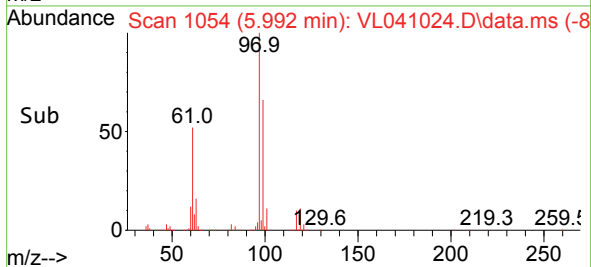
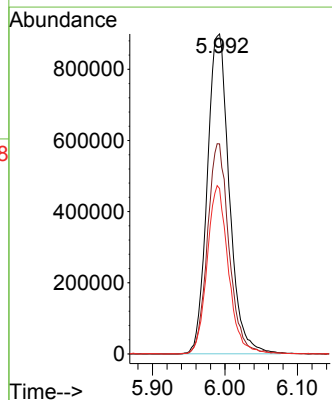
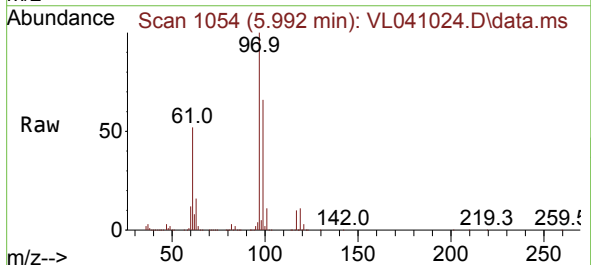
Ion	Ratio	Lower	Upper
61	100		
96	67.9	51.9	77.9
98	42.8	31.5	47.3

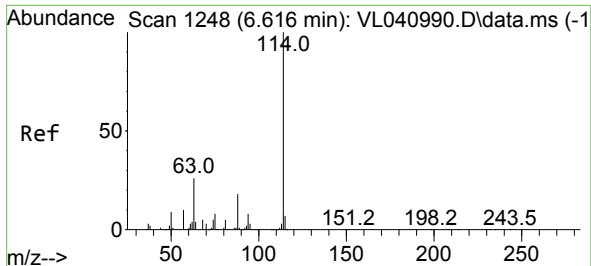


#32
 1,1,1-Trichloroethane
 Concen: 10.008 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Tgt Ion: 97 Resp: 1898107

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	51.2	40.3	60.5

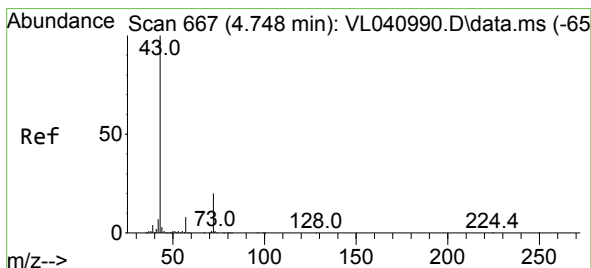
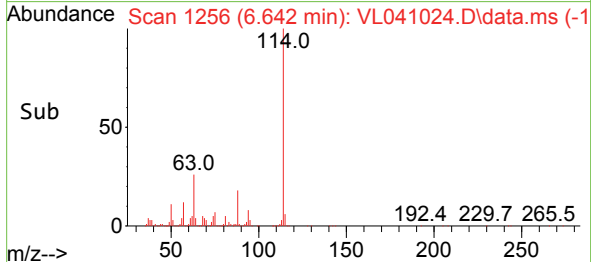
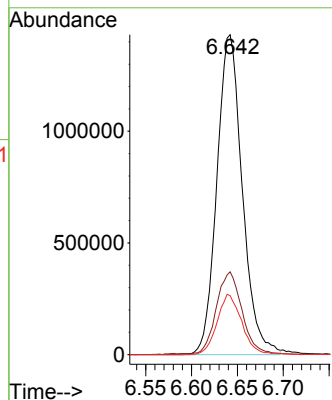
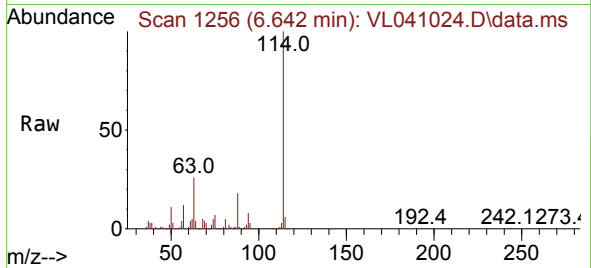




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

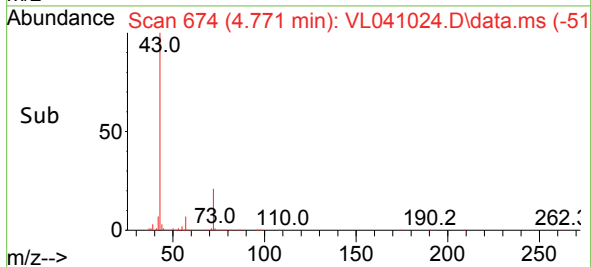
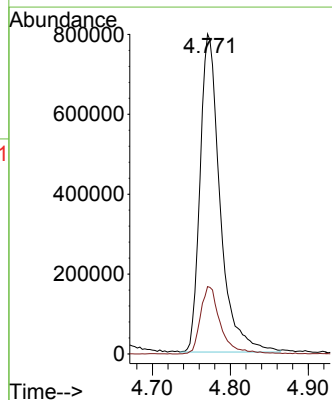
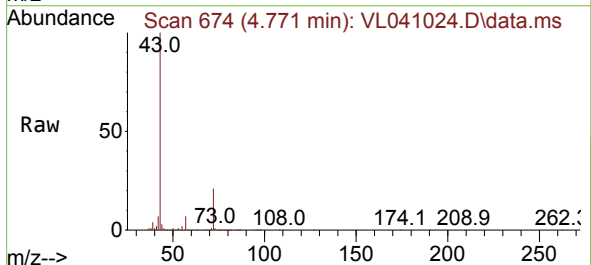
Instrument :
MSVOA_L
ClientSampleId :

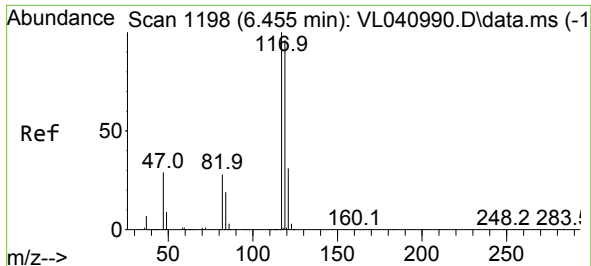
Tgt Ion:114 Resp: 2761238
Ion Ratio Lower Upper
114 100
63 26.8 20.8 31.2
88 18.4 14.3 21.5



#34
2-Butanone
Concen: 10.798 ppbv
RT: 4.771 min Scan# 674
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 43 Resp: 1420416
Ion Ratio Lower Upper
43 100
72 21.6 17.5 26.3

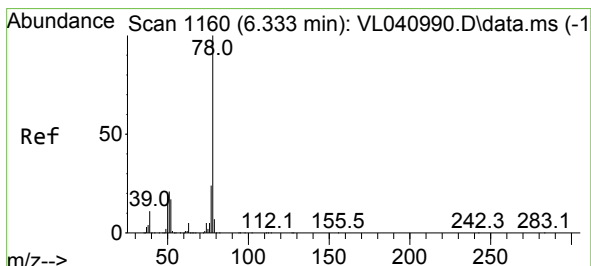
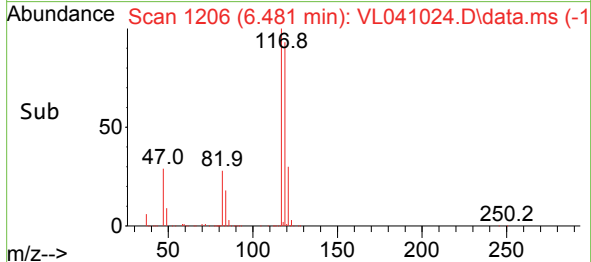
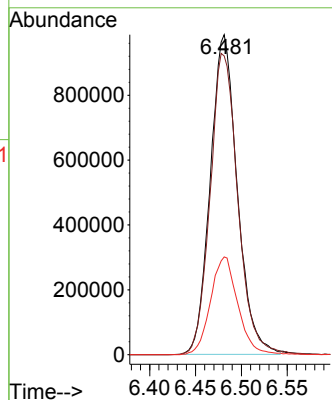
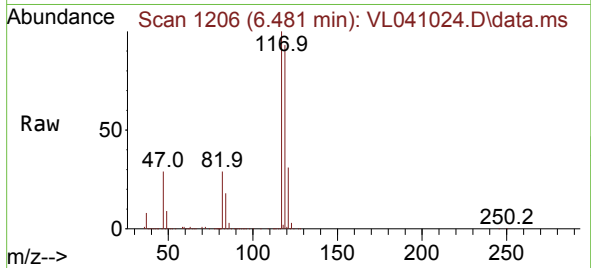




#35
Carbon Tetrachloride
Concen: 10.972 ppbv
RT: 6.481 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

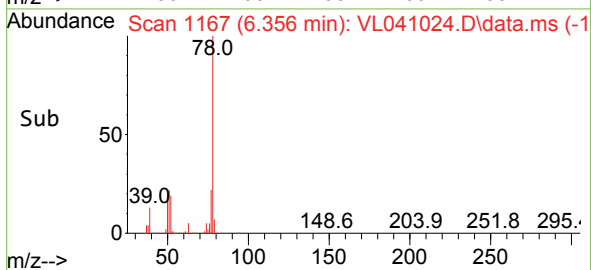
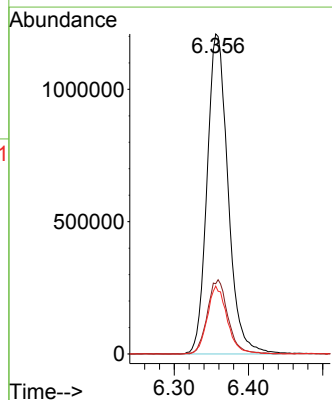
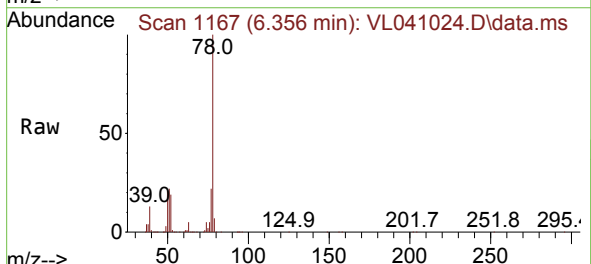
Instrument :
MSVOA_L
ClientSampleId :

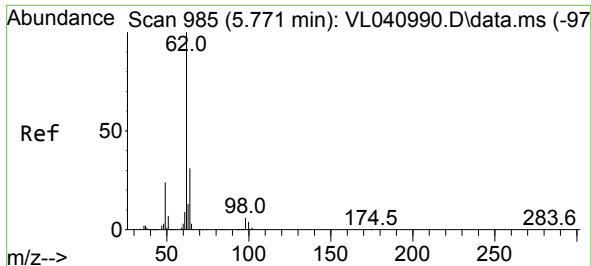
Tgt Ion:117 Resp: 2020367
Ion Ratio Lower Upper
117 100
119 93.3 76.9 115.3
121 30.6 24.7 37.1



#36
Benzene
Concen: 10.371 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 78 Resp: 2364961
Ion Ratio Lower Upper
78 100
77 21.9 19.0 28.4
50 21.2 15.8 23.6





#37

1,2-Dichloroethane

Concen: 10.542 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

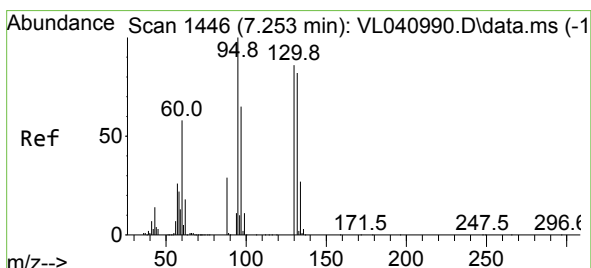
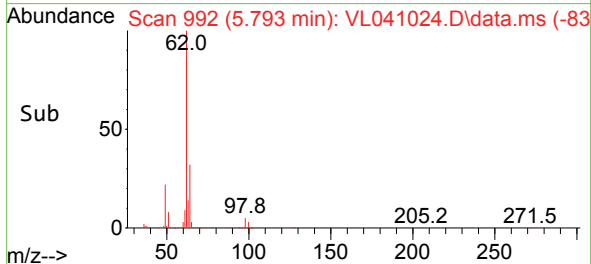
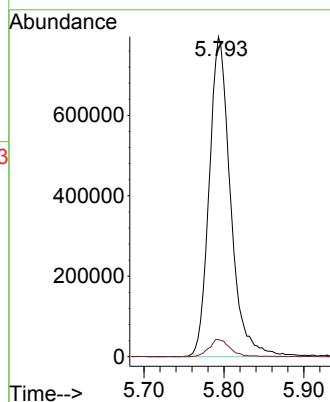
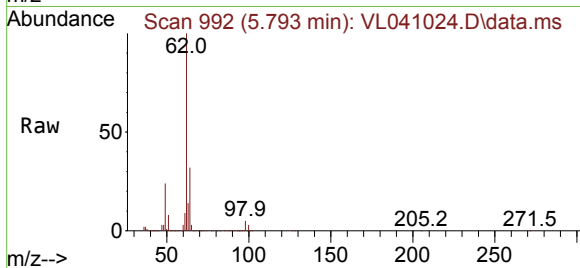
ClientSampleId :

Tgt Ion: 62 Resp: 1467071

Ion Ratio Lower Upper

62 100

98 5.5 4.7 7.1



#38

Trichloroethene

Concen: 10.108 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Tgt Ion:130 Resp: 924134

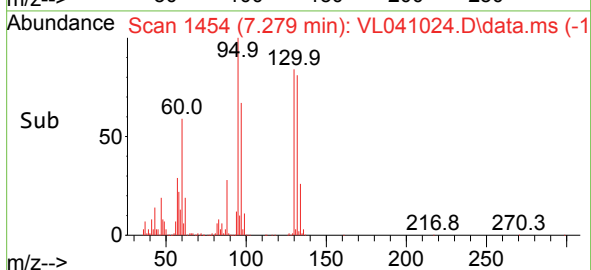
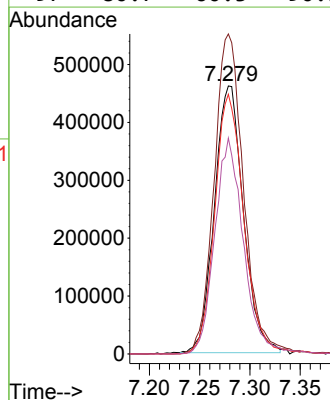
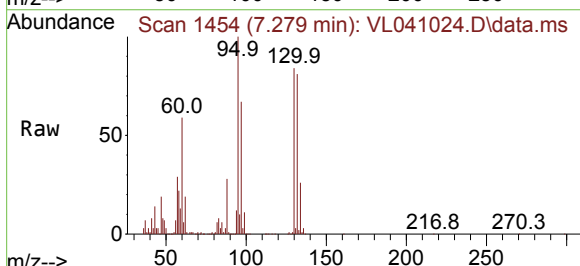
Ion Ratio Lower Upper

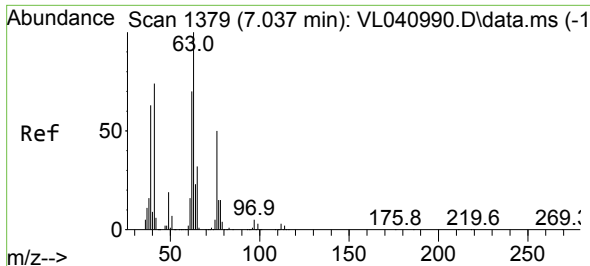
130 100

95 119.9 92.9 139.3

132 97.4 76.2 114.2

97 80.7 60.3 90.5





#39

1,2-Dichloropropane

Concen: 10.336 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

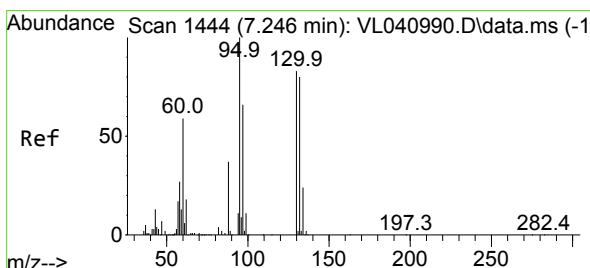
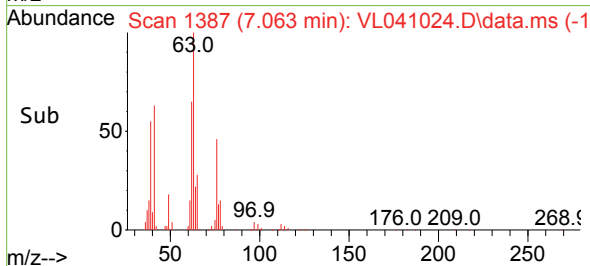
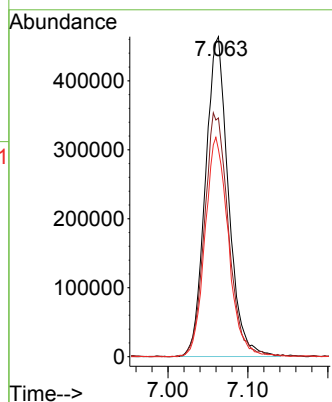
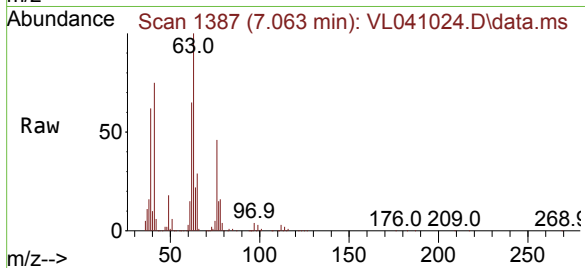
Tgt Ion: 63 Resp: 928591

Ion Ratio Lower Upper

63 100

41 74.4 59.6 89.4

62 64.5 55.6 83.4



#40

1,4-Dioxane

Concen: 9.585 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Tgt Ion: 88 Resp: 357639

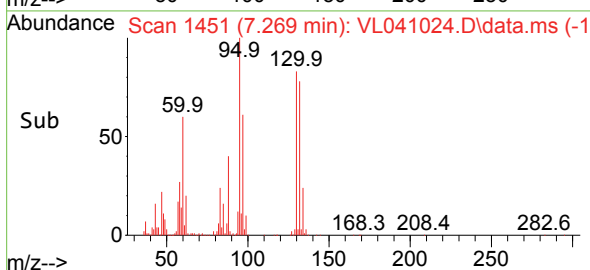
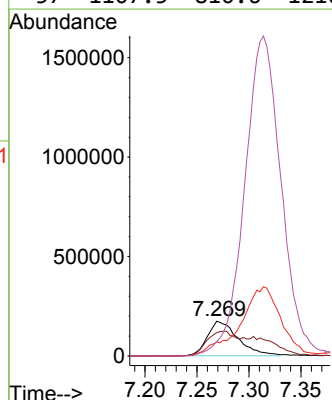
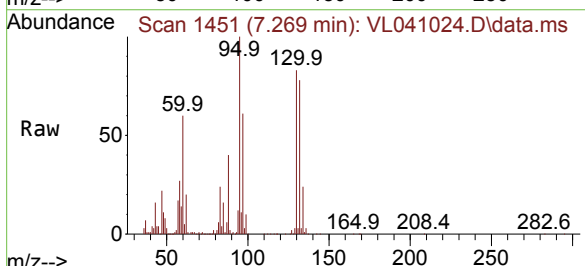
Ion Ratio Lower Upper

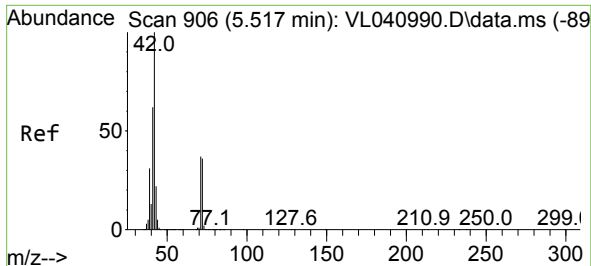
88 100

58 128.0 96.6 144.8

43 265.4 191.0 286.6

57 1107.5 810.6 1216.0

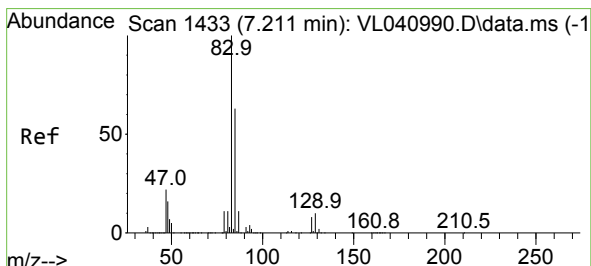
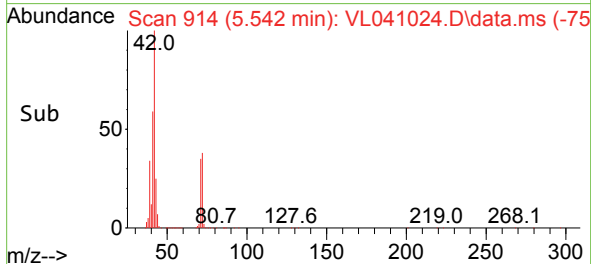
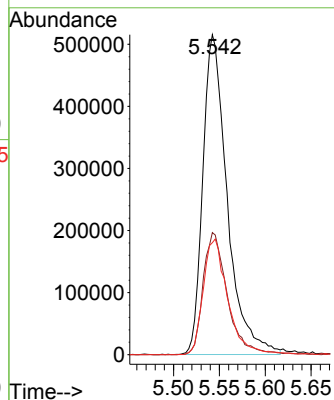
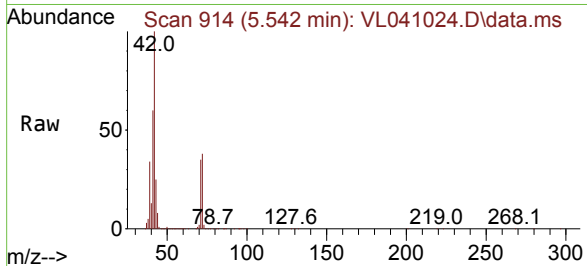




#41
Tetrahydrofuran
Concen: 10.693 ppbv
RT: 5.542 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

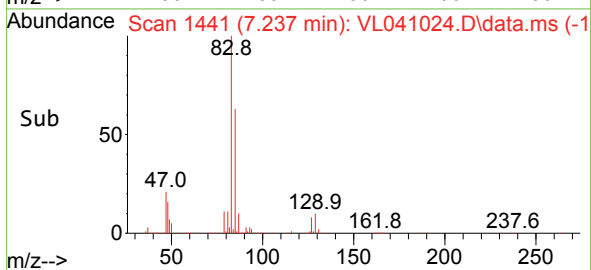
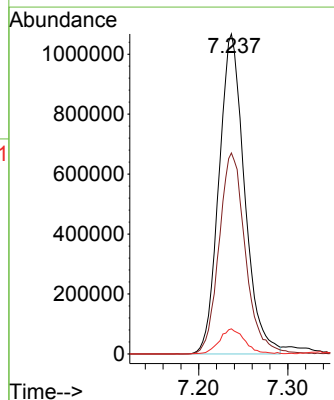
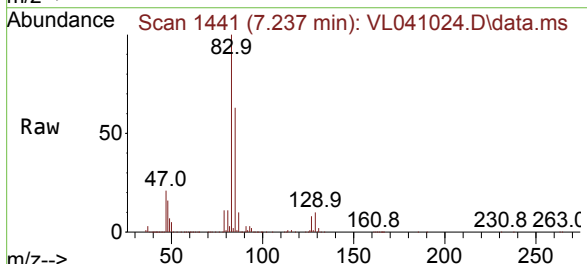
Instrument :
MSVOA_L
ClientSampleId :

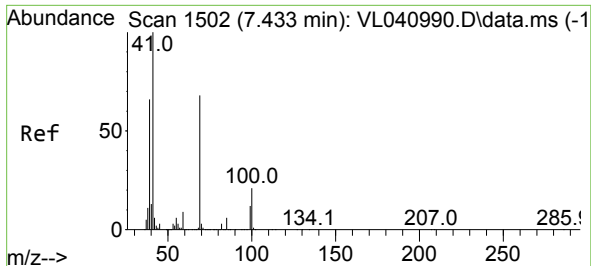
Tgt Ion: 42 Resp: 955049
Ion Ratio Lower Upper
42 100
72 38.1 30.0 45.0
71 36.9 29.5 44.3



#42
Bromodichloromethane
Concen: 10.688 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 83 Resp: 2128235
Ion Ratio Lower Upper
83 100
85 62.8 50.5 75.7
127 7.8 6.4 9.6

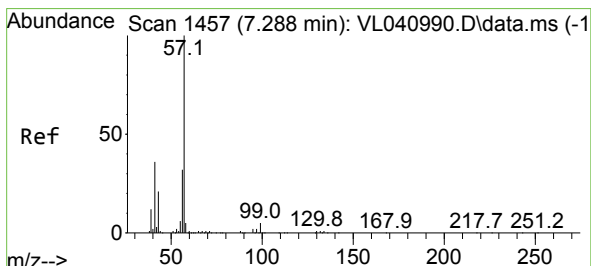
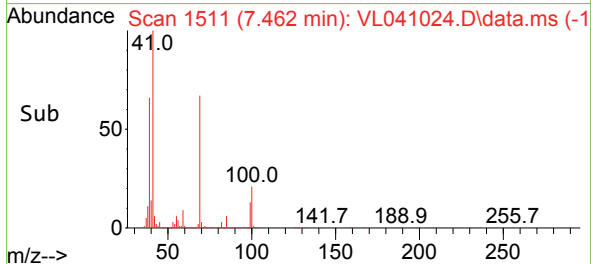
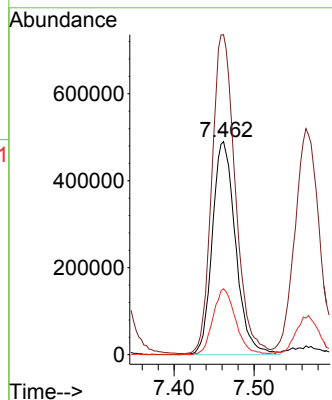
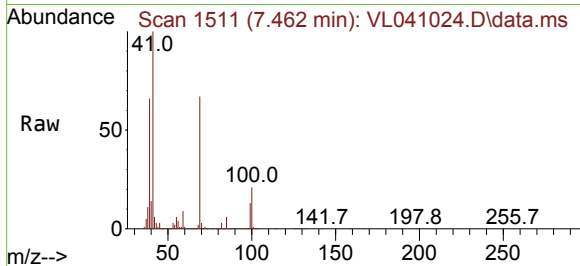




#43
Methyl Methacrylate
Concen: 11.232 ppbv
RT: 7.462 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

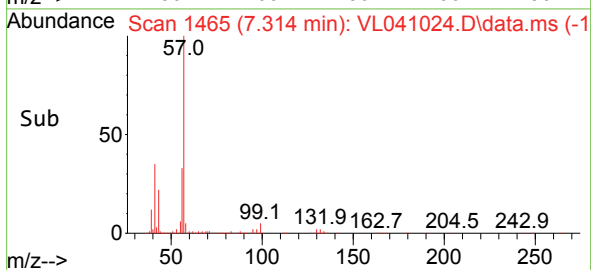
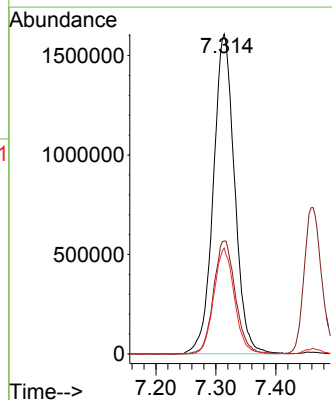
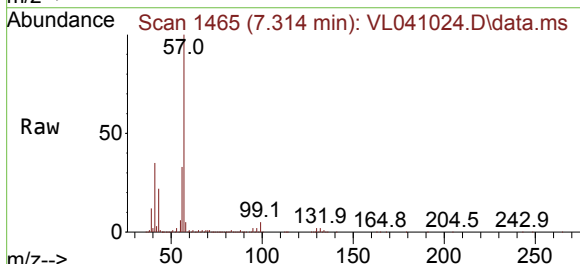
Instrument :
MSVOA_L
ClientSampleId :

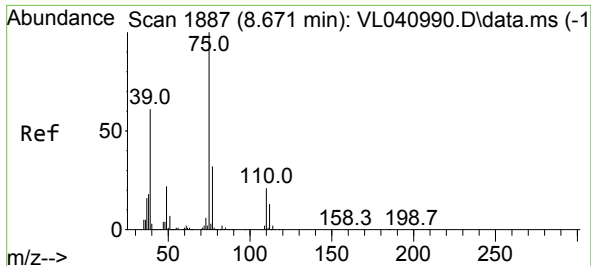
Tgt Ion: 69 Resp: 988374
Ion Ratio Lower Upper
69 100
41 151.6 120.2 180.2
100 30.2 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 10.302 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 57 Resp: 3952904
Ion Ratio Lower Upper
57 100
41 36.4 28.6 43.0
56 32.1 25.2 37.8

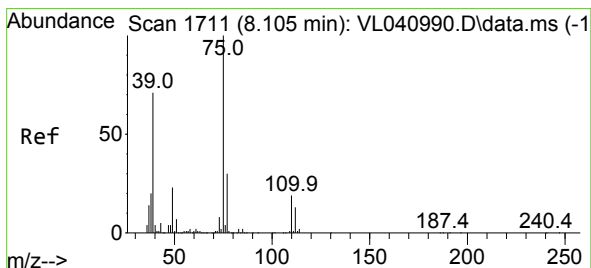
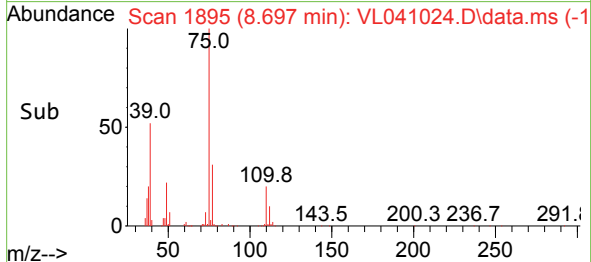
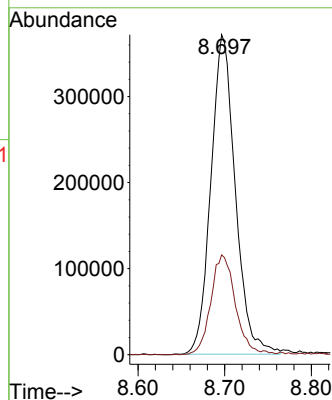
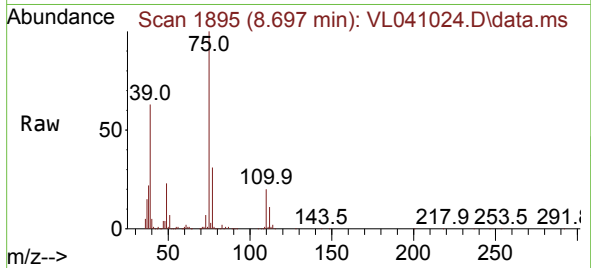




#45
t-1,3-Dichloropropene
Concen: 12.097 ppbv
RT: 8.697 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

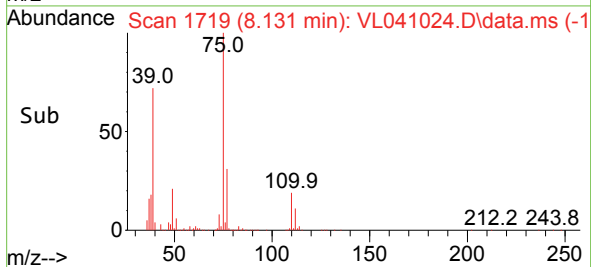
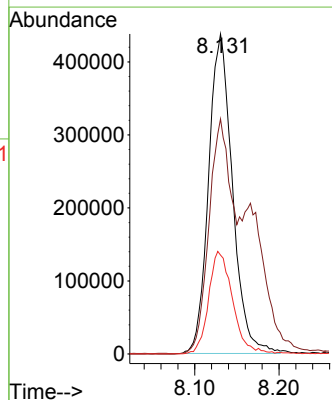
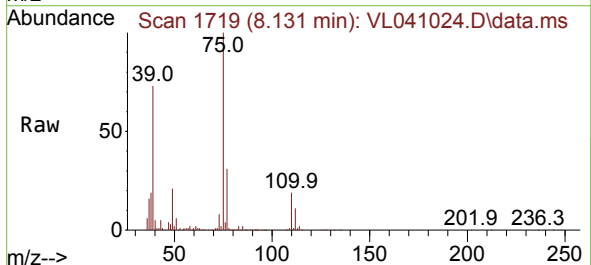
Instrument :
MSVOA_L
ClientSampleId :

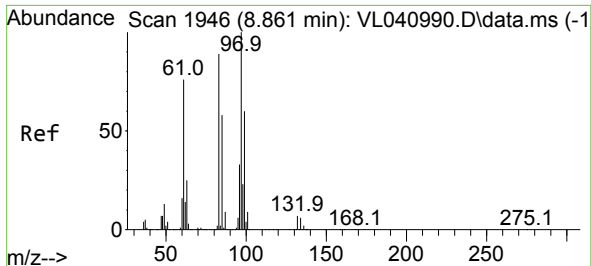
Tgt Ion: 75 Resp: 727381
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 11.489 ppbv
RT: 8.131 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 75 Resp: 861478
Ion Ratio Lower Upper
75 100
39 73.4 57.3 85.9
77 30.9 24.3 36.5



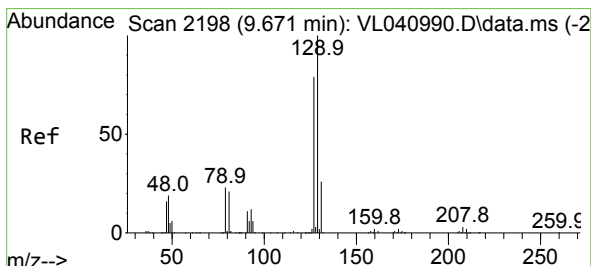
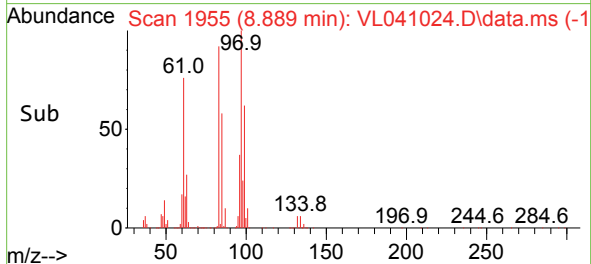
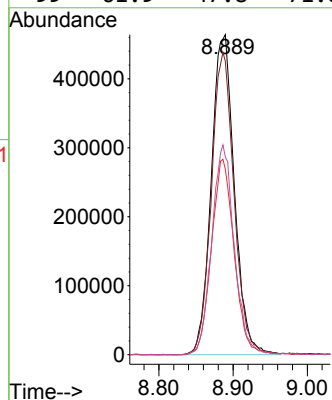
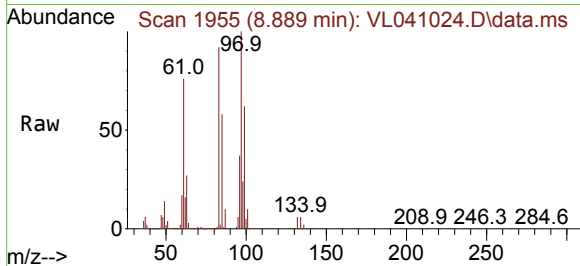


#47
1,1,2-Trichloroethane
Concen: 10.376 ppbv
RT: 8.889 min Scan# 1946
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1004754

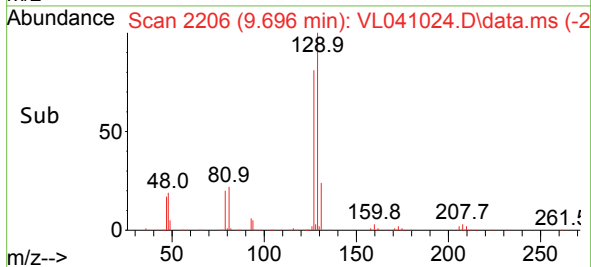
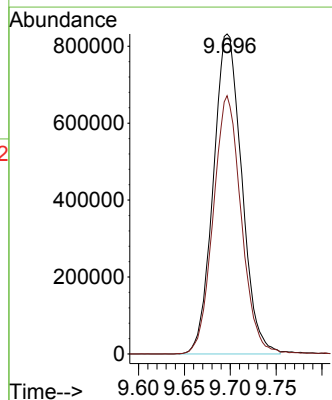
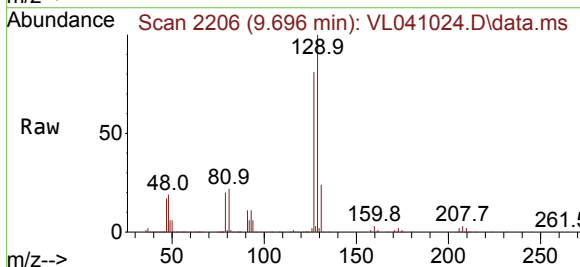
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.5	107.3
85	58.0	46.1	69.1
99	61.9	47.8	71.8

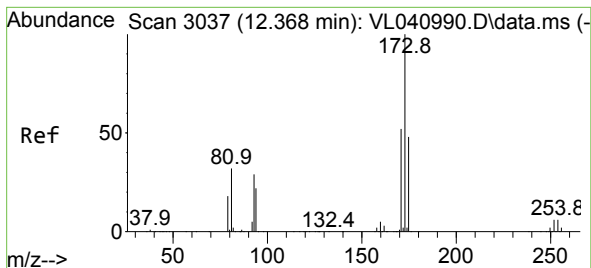


#48
Dibromochloromethane
Concen: 10.964 ppbv
RT: 9.696 min Scan# 2206
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 129 Resp: 1794852

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.6	119.0





#49

Bromoform

Concen: 11.841 ppbv

RT: 12.391 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

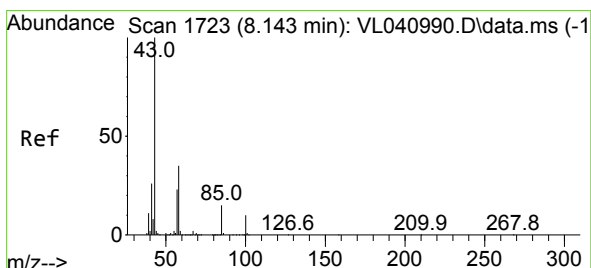
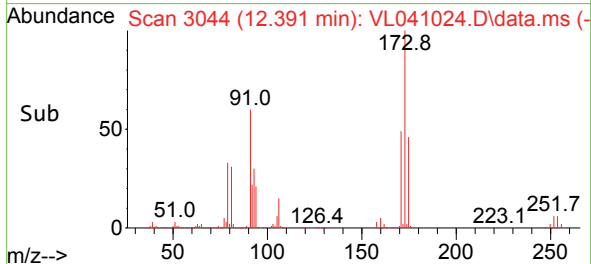
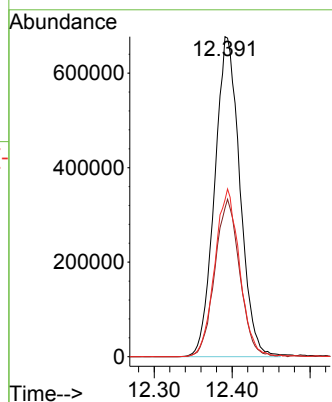
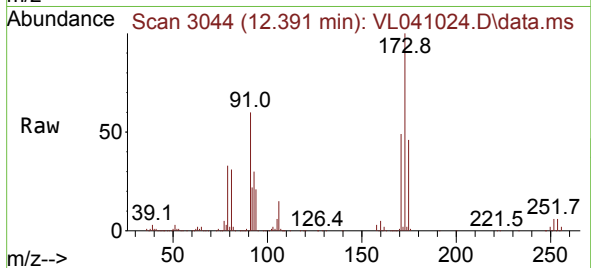
Tgt Ion:173 Resp: 1520622

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

171 51.8 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 11.168 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.000 min

Lab File: VL041024.D

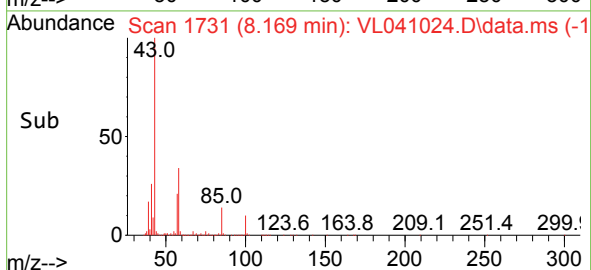
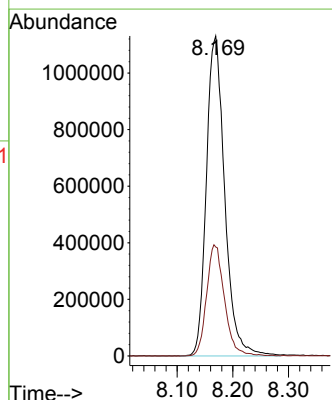
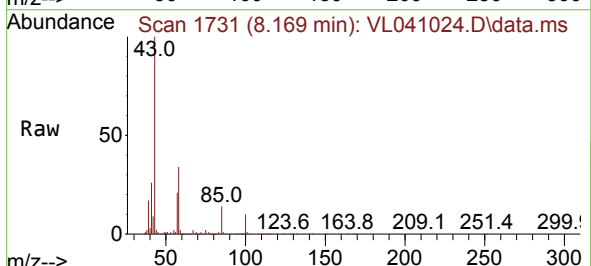
Acq: 25 Jan 2024 9:49

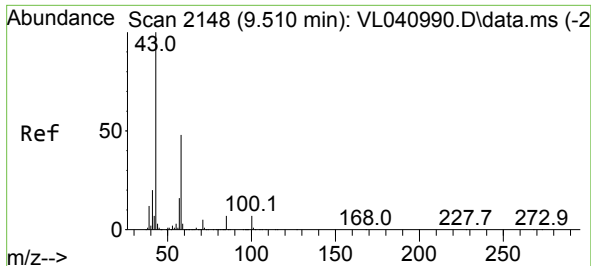
Tgt Ion: 43 Resp: 2587157

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.8

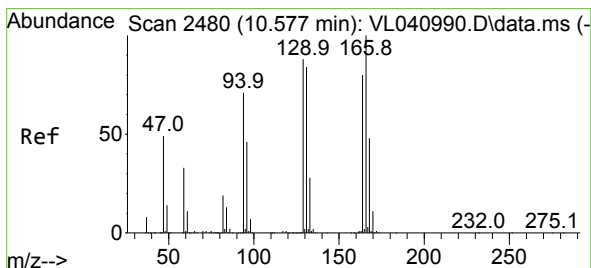
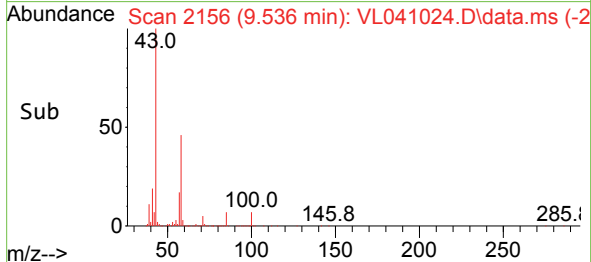
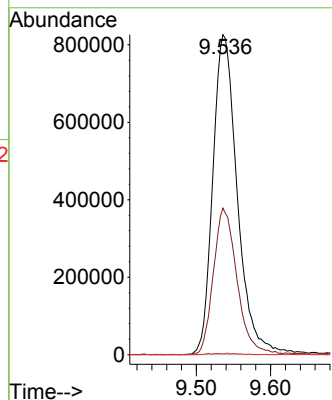
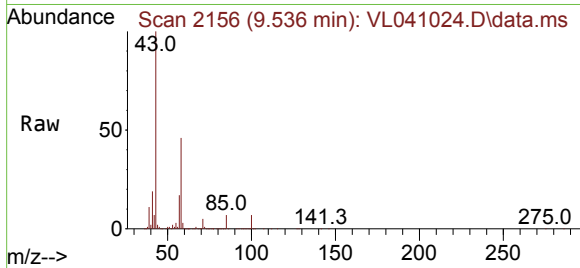




#51
2-Hexanone
Concen: 11.283 ppbv
RT: 9.536 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

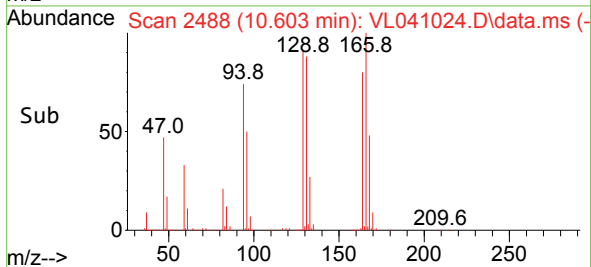
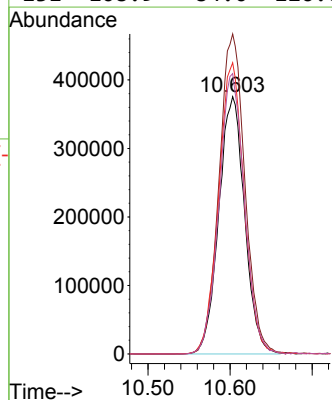
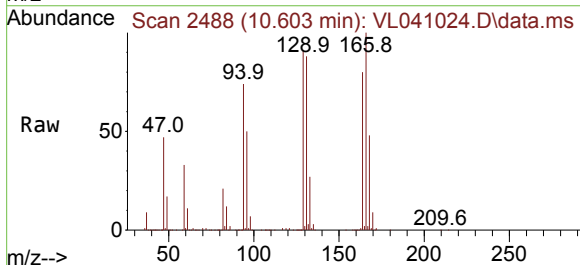
Instrument :
MSVOA_L
ClientSampleId :

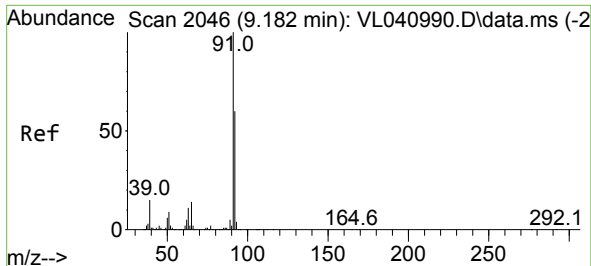
Tgt Ion: 43 Resp: 1884163
Ion Ratio Lower Upper
43 100
58 45.1 36.8 55.2
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.819 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 164 Resp: 819336
Ion Ratio Lower Upper
164 100
166 124.3 100.2 150.2
129 113.0 87.9 131.9
131 108.9 84.0 126.0

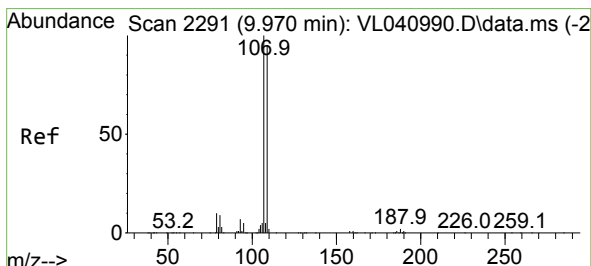
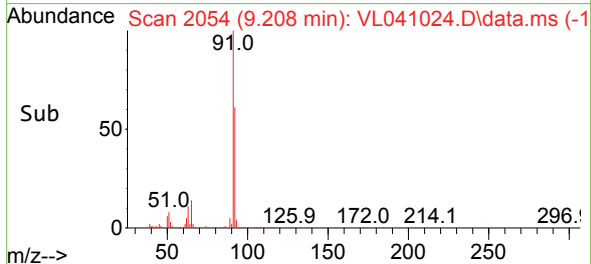
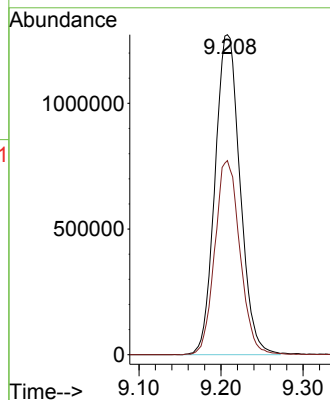
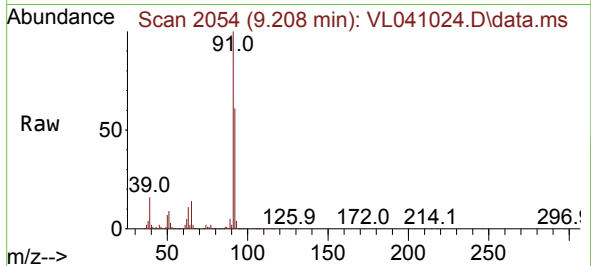




#53
Toluene
Concen: 10.825 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

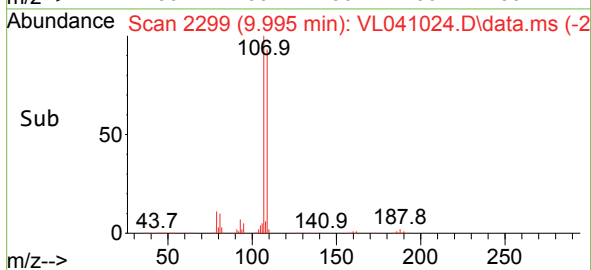
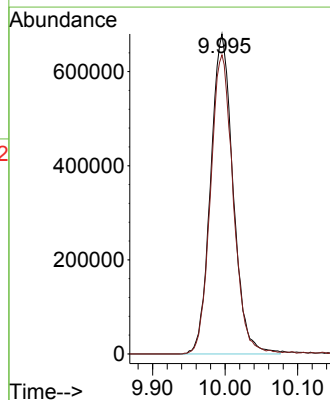
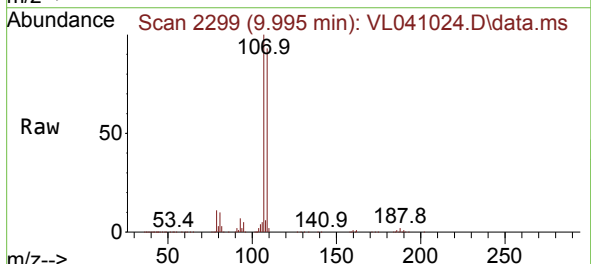
Instrument :
MSVOA_L
ClientSampleId :

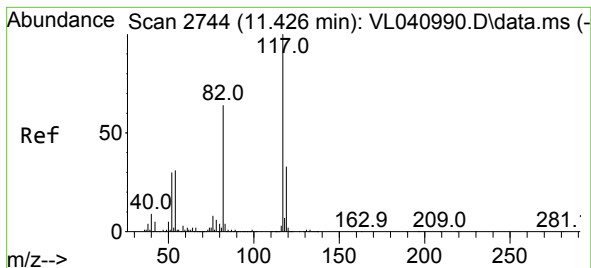
Tgt Ion: 91 Resp: 2704396
Ion Ratio Lower Upper
91 100
92 60.8 48.6 72.8



#54
1,2-Dibromoethane
Concen: 11.164 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 107 Resp: 1464006
Ion Ratio Lower Upper
107 100
109 93.5 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

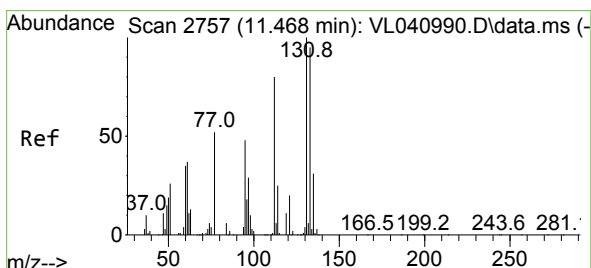
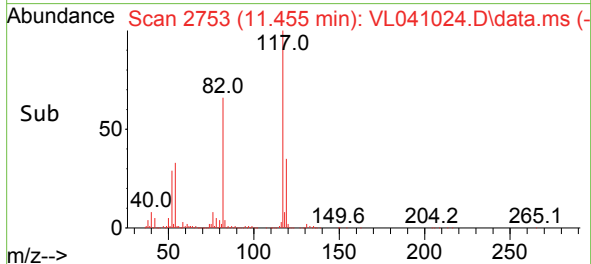
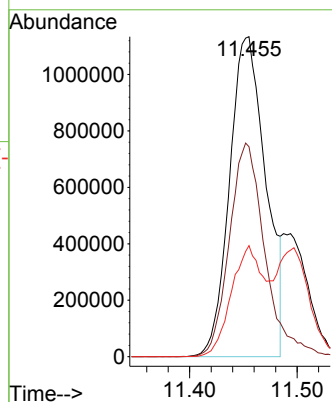
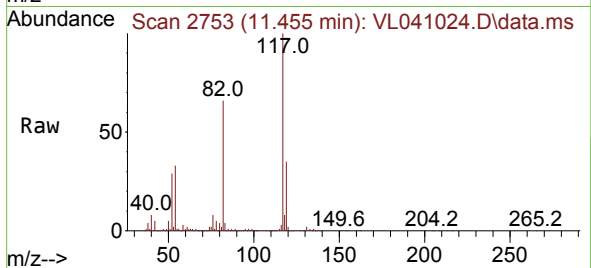
Tgt Ion:117 Resp: 2663177

Ion Ratio Lower Upper

117 100

82 65.8 51.7 77.5

119 31.3 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 10.263 ppbv

RT: 11.494 min Scan# 2765

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

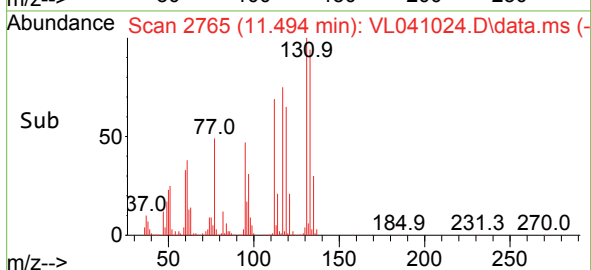
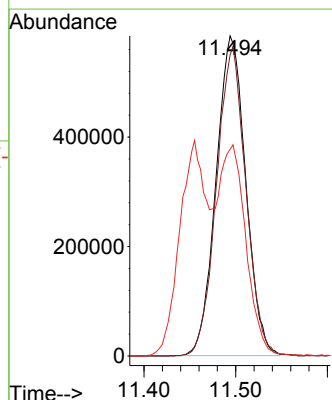
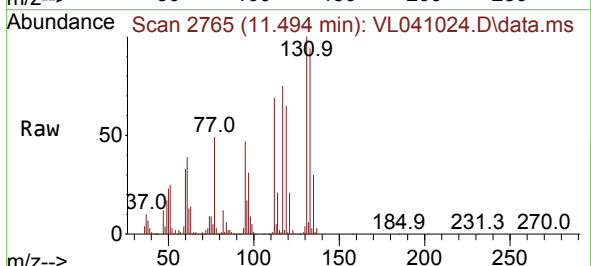
Tgt Ion:131 Resp: 1311413

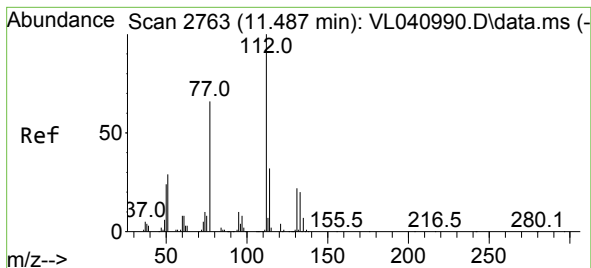
Ion Ratio Lower Upper

131 100

133 95.9 75.9 113.9

119 62.4 49.2 73.8





#57

Chlorobenzene

Concen: 9.974 ppbv

RT: 11.513 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

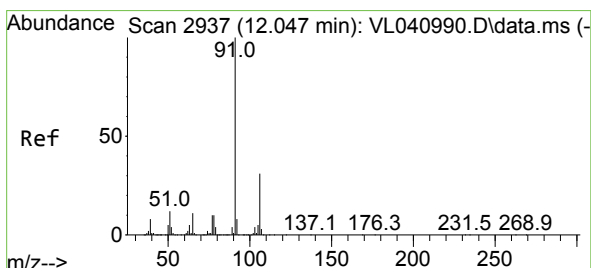
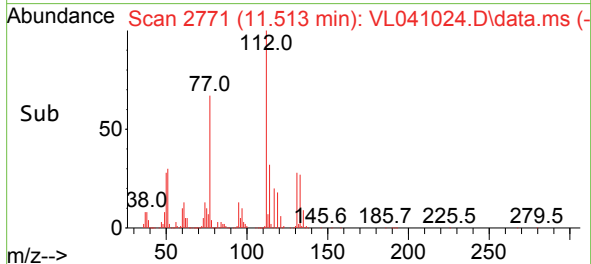
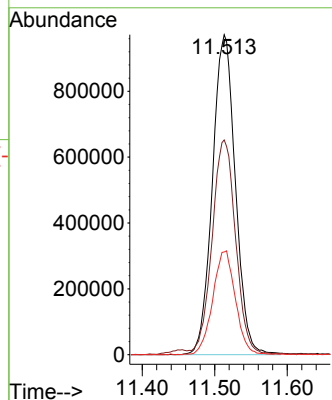
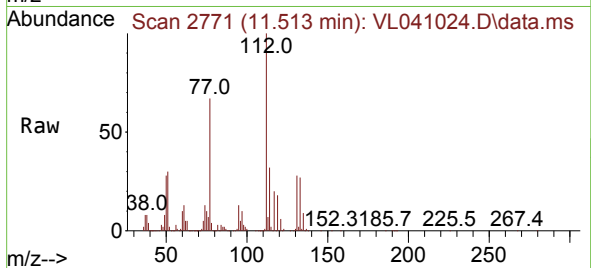
Tgt Ion:112 Resp: 2136713

Ion Ratio Lower Upper

112 100

77 66.8 53.4 80.0

114 32.0 29.1 35.5



#58

Ethyl Benzene

Concen: 10.453 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041024.D

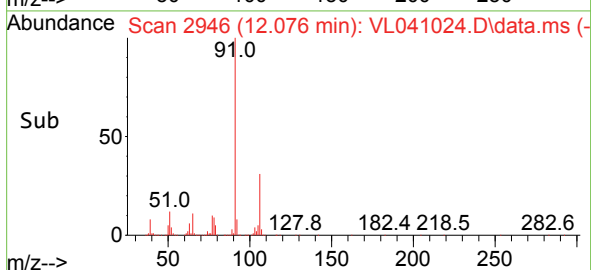
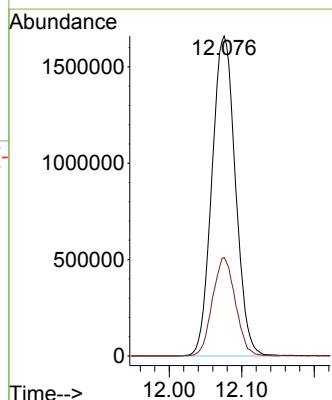
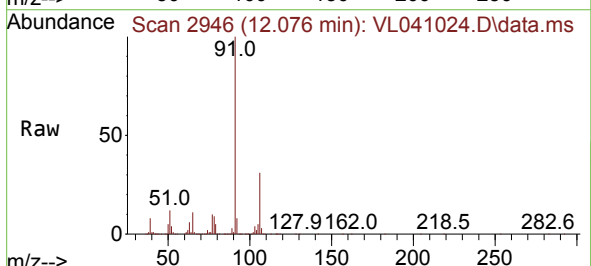
Acq: 25 Jan 2024 9:49

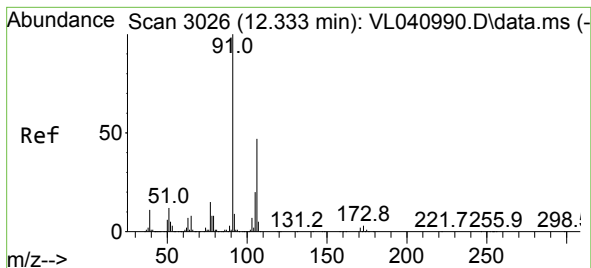
Tgt Ion: 91 Resp: 3738356

Ion Ratio Lower Upper

91 100

106 30.8 24.8 37.2





#59

m/p-Xylene

Concen: 12.680 ppbv

RT: 12.359 min Scan# 3026

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

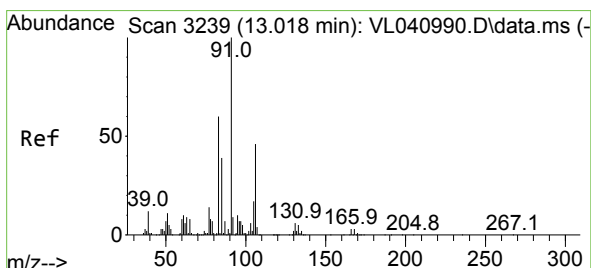
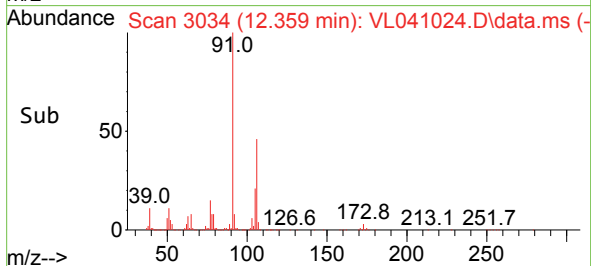
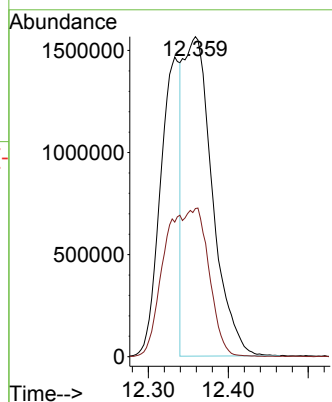
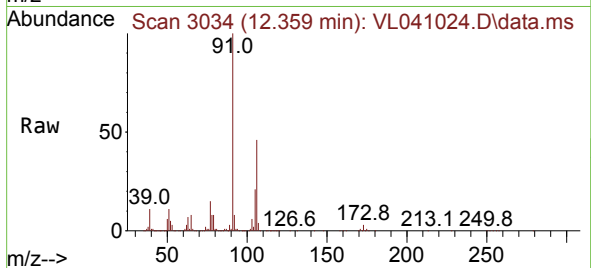
ClientSampleId :

Tgt Ion: 91 Resp: 3953711

Ion Ratio Lower Upper

91 100

106 71.3 34.9 52.3#



#60

o-Xylene

Concen: 10.414 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041024.D

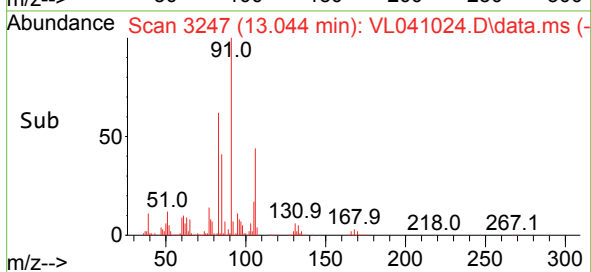
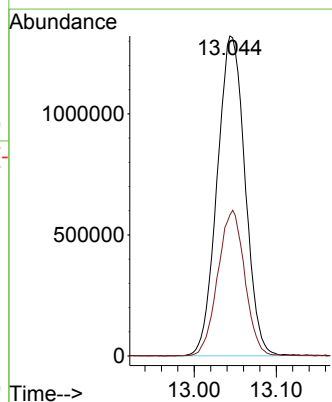
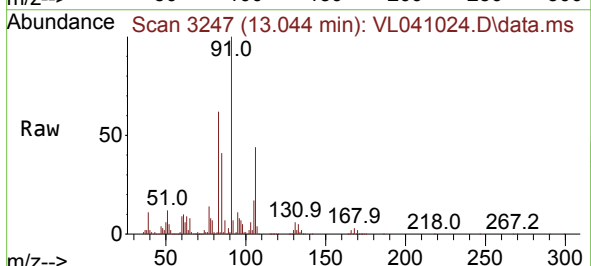
Acq: 25 Jan 2024 9:49

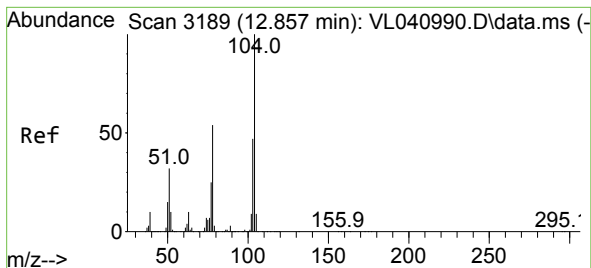
Tgt Ion: 91 Resp: 3115584

Ion Ratio Lower Upper

91 100

106 44.4 22.6 67.7





#61

Styrene

Concen: 11.449 ppbv

RT: 12.883 min Scan# 3189

Delta R.T. 0.000 min

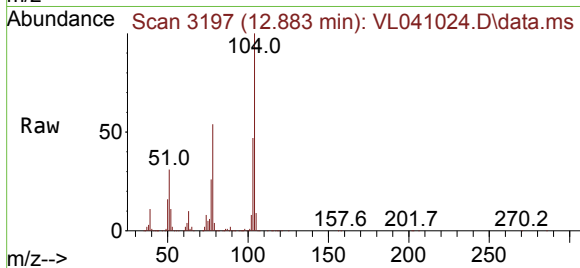
Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :



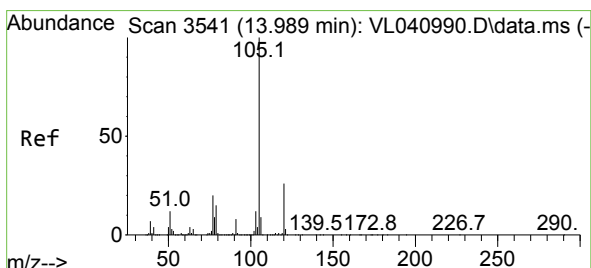
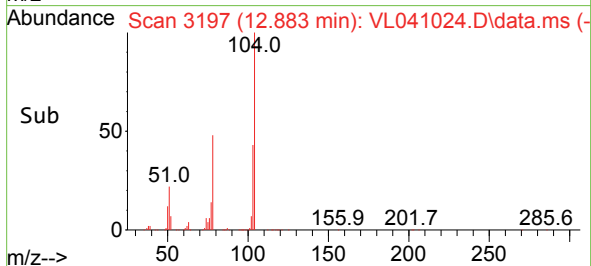
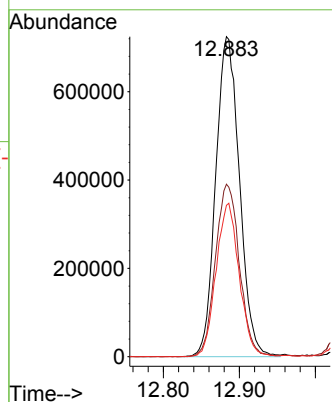
Tgt Ion:104 Resp: 1572712

Ion Ratio Lower Upper

104 100

78 54.9 42.7 64.1

103 47.1 37.6 56.4



#62

Isopropylbenzene

Concen: 10.160 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. 0.000 min

Lab File: VL041024.D

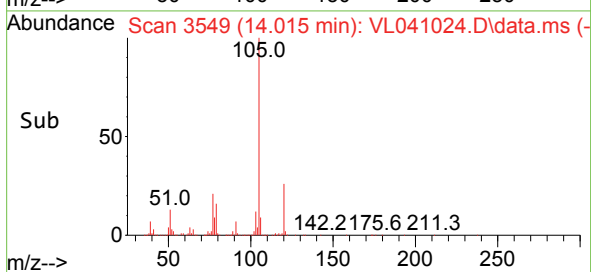
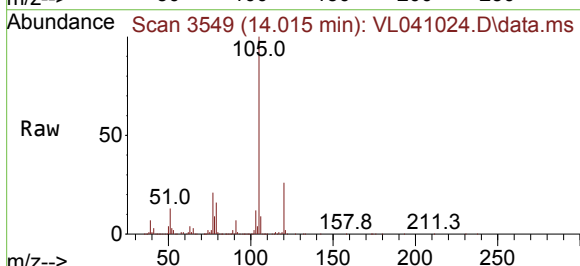
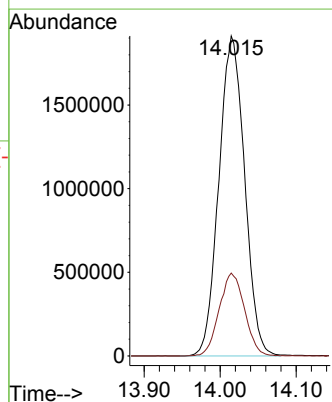
Acq: 25 Jan 2024 9:49

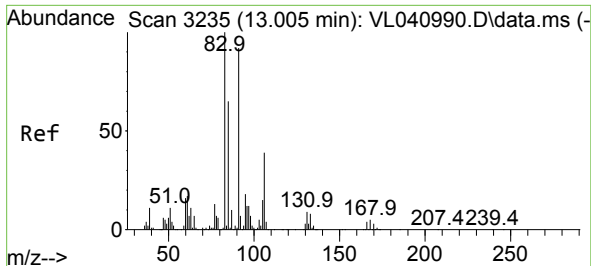
Tgt Ion:105 Resp: 4495005

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

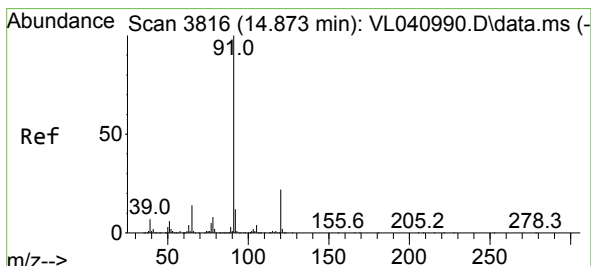
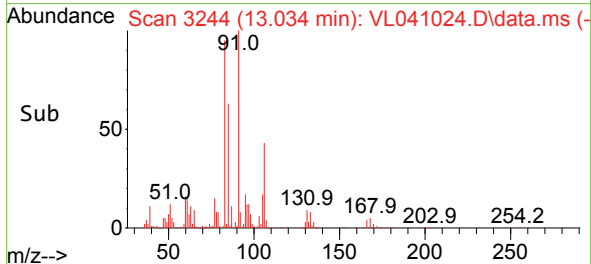
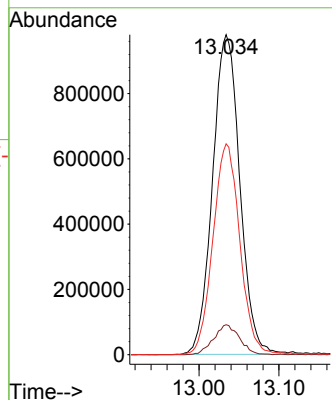
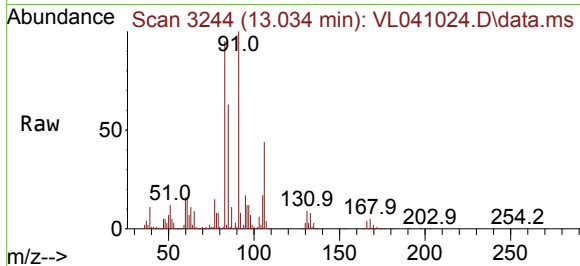




#63
1,1,2,2-Tetrachloroethane
Concen: 9.970 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

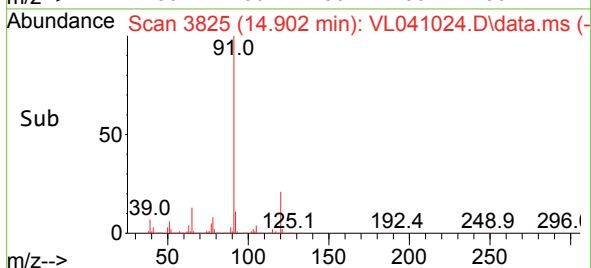
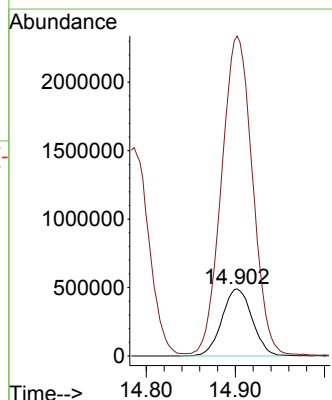
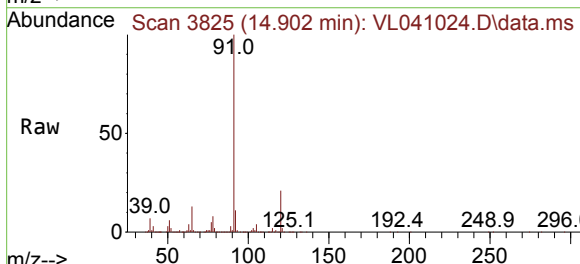
Instrument :
MSVOA_L
ClientSampleId :

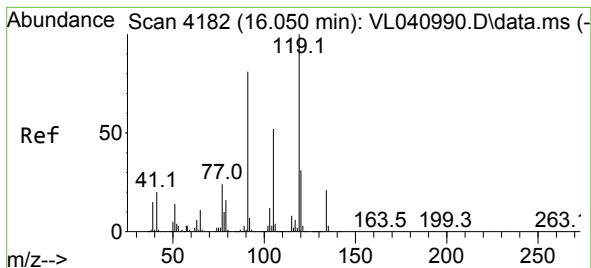
Tgt Ion: 83 Resp: 2318047
Ion Ratio Lower Upper
83 100
131 9.0 4.6 13.8
85 65.5 33.0 99.0



#64
n-propylbenzene
Concen: 10.302 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion:120 Resp: 1151542
Ion Ratio Lower Upper
120 100
91 493.3 390.6 585.8

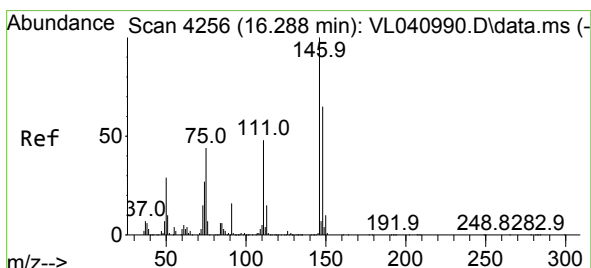
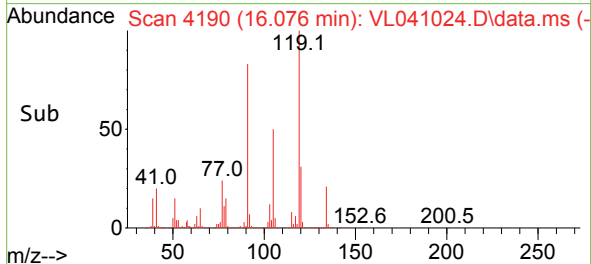
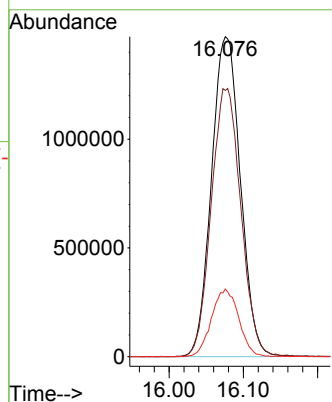
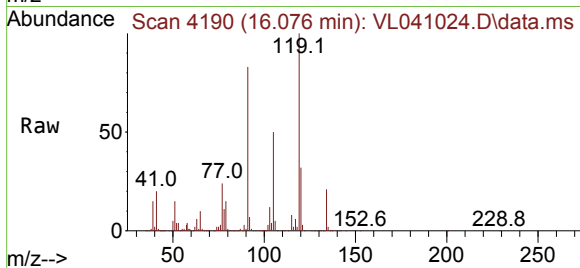




#65
tert-Butylbenzene
Concen: 10.309 ppbv
RT: 16.076 min Scan# 4182
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

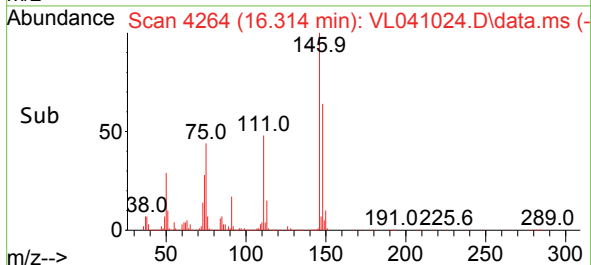
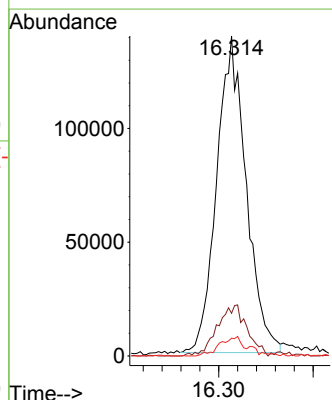
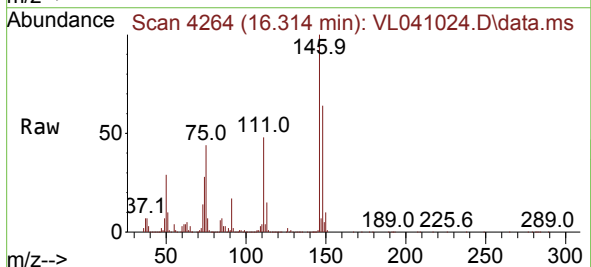
Instrument :
MSVOA_L
ClientSampleId :

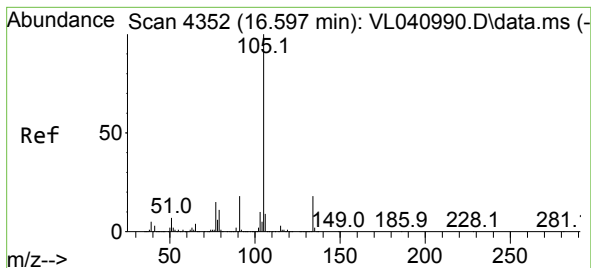
Tgt Ion:119 Resp: 3984943
Ion Ratio Lower Upper
119 100
91 86.0 67.6 101.4
134 20.0 16.1 24.1



#66
Benzyl Chloride
Concen: 11.888 ppbv
RT: 16.314 min Scan# 4264
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion: 91 Resp: 301128
Ion Ratio Lower Upper
91 100
126 17.0 13.6 20.4
128 5.9 4.2 6.2





#67

sec-Butylbenzene

Concen: 10.105 ppbv

RT: 16.619 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

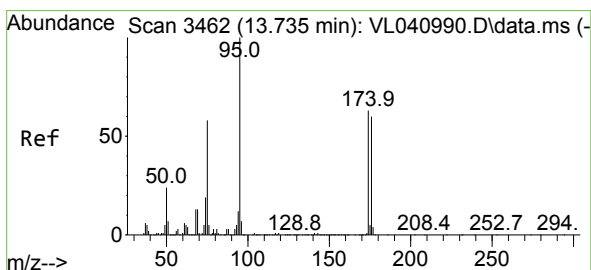
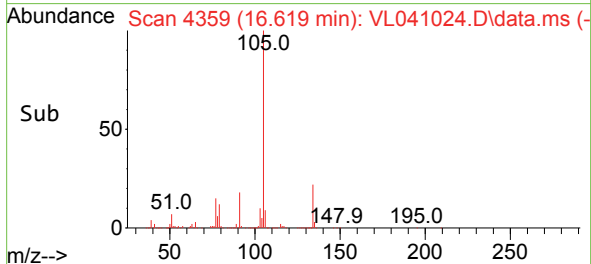
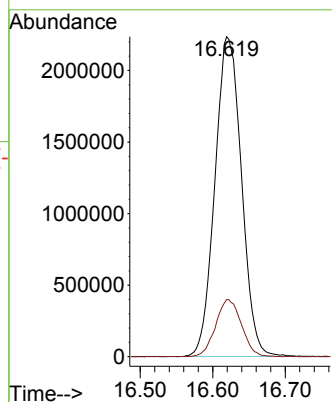
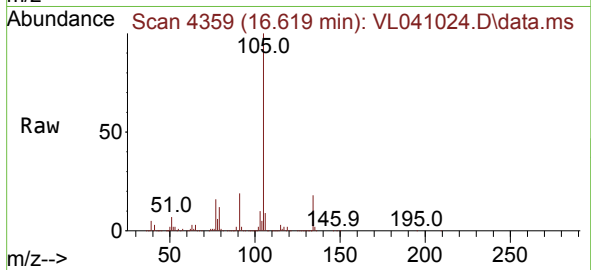
ClientSampleId :

Tgt Ion:105 Resp: 5687346

Ion Ratio Lower Upper

105 100

134 17.3 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.460 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

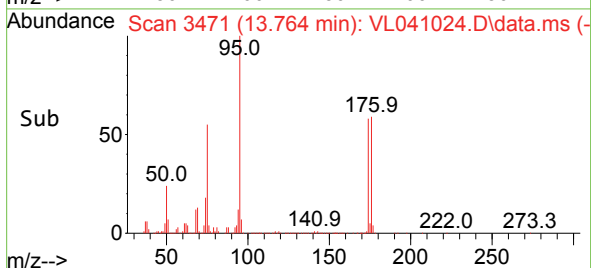
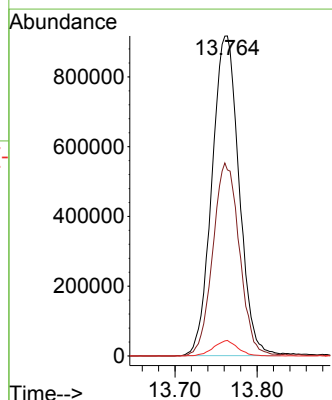
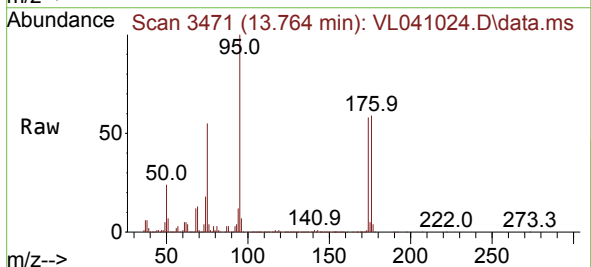
Tgt Ion: 95 Resp: 2104052

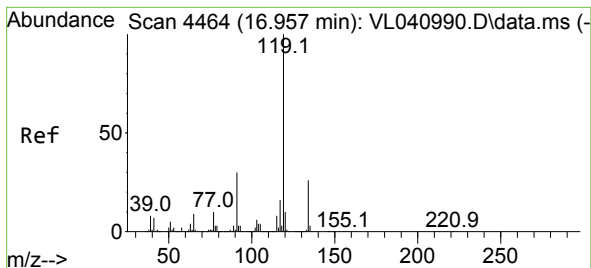
Ion Ratio Lower Upper

95 100

174 59.7 49.1 73.7

175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.427 ppbv

RT: 16.979 min Scan# 4464

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

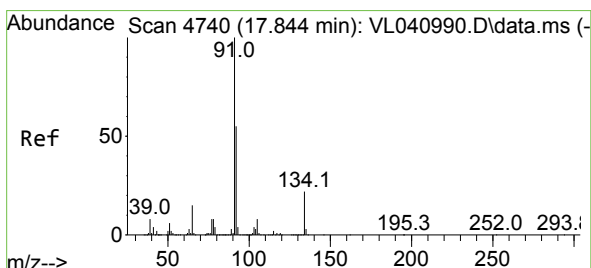
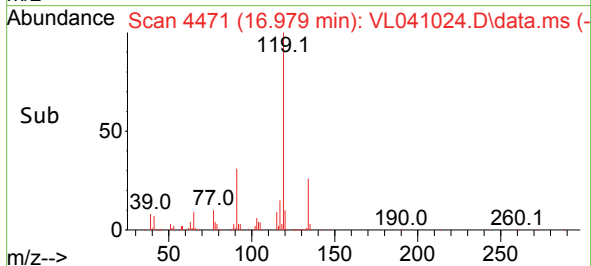
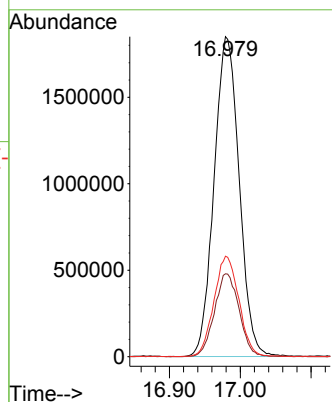
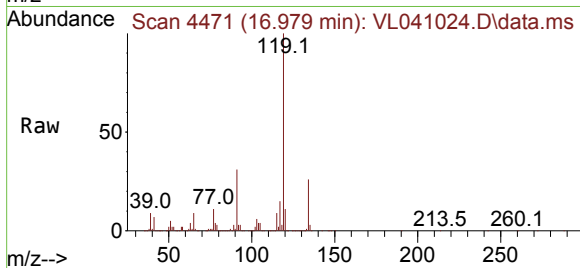
Tgt Ion:119 Resp: 4546254

Ion Ratio Lower Upper

119 100

134 25.6 20.6 30.8

91 31.3 24.5 36.7



#70

n-Butylbenzene

Concen: 10.411 ppbv

RT: 17.870 min Scan# 4748

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

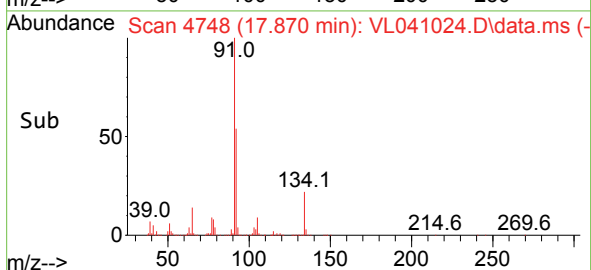
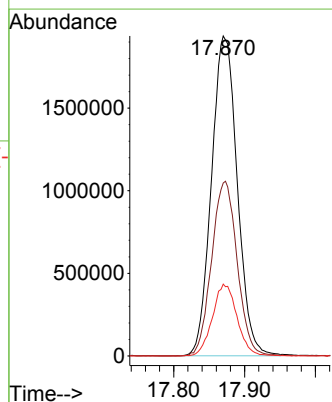
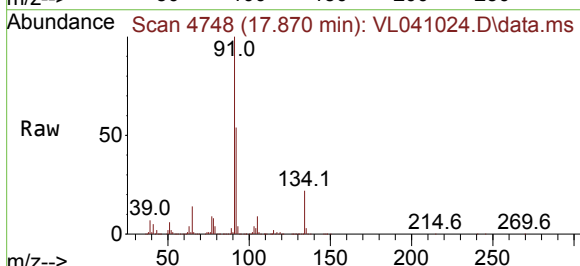
Tgt Ion: 91 Resp: 4905064

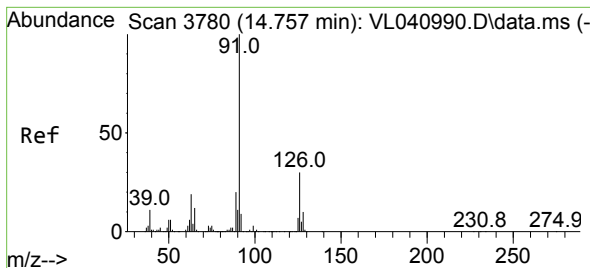
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.0

134 21.5 17.4 26.0

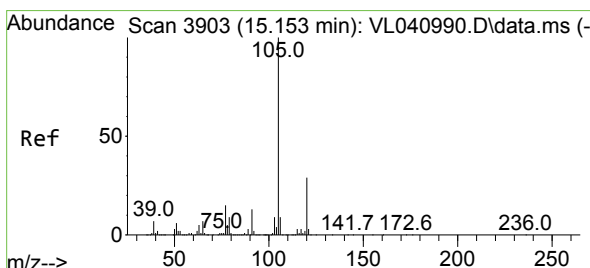
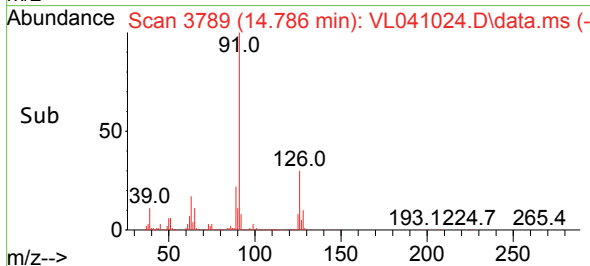
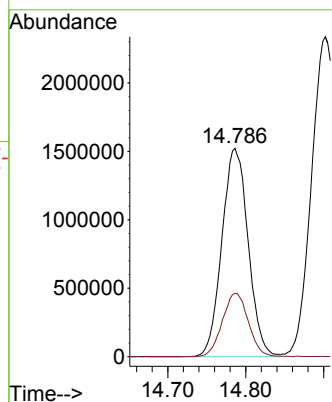
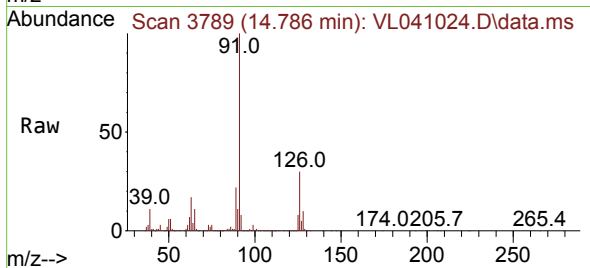




#71
2-Chlorotoluene
Concen: 10.437 ppbv
RT: 14.786 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

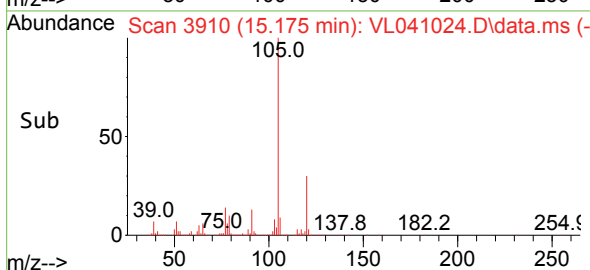
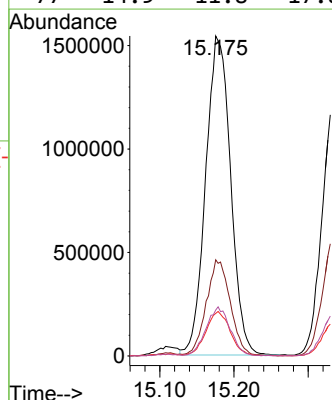
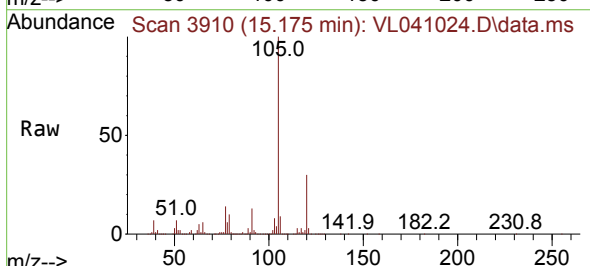
Instrument :
MSVOA_L
ClientSampleId :

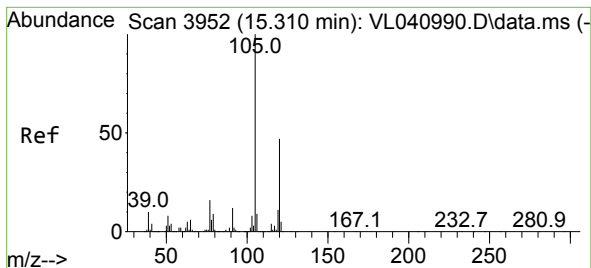
Tgt Ion: 91 Resp: 3562993
Ion Ratio Lower Upper
91 100
126 30.3 12.3 49.1



#72
4-Ethyltoluene
Concen: 10.763 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. 0.000 min
Lab File: VL041024.D
Acq: 25 Jan 2024 9:49

Tgt Ion:105 Resp: 3596023
Ion Ratio Lower Upper
105 100
120 29.2 24.3 36.5
91 13.9 11.0 16.4
77 14.9 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 10.454 ppbv

RT: 15.339 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

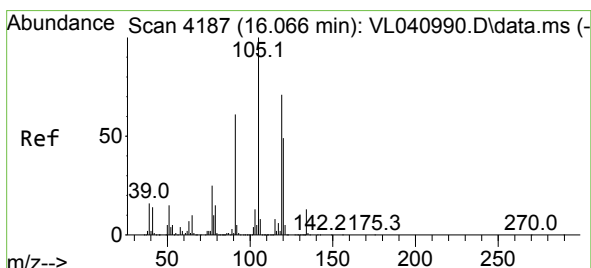
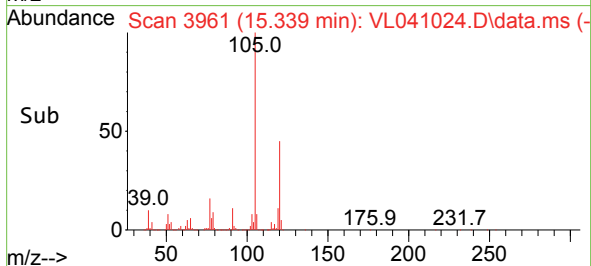
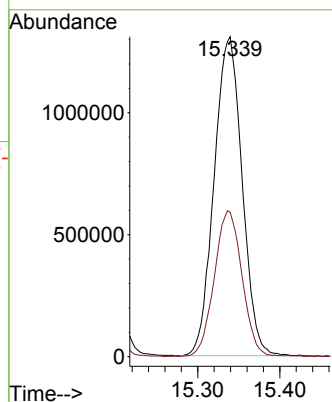
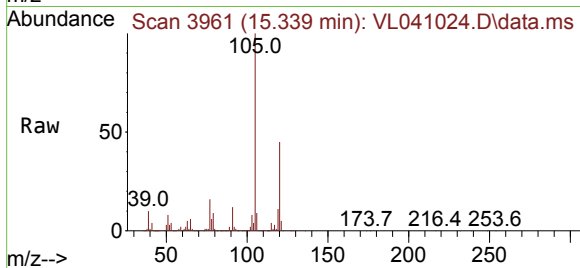
ClientSampleId :

Tgt Ion:105 Resp: 3099790

Ion Ratio Lower Upper

105 100

120 45.2 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 10.261 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Tgt Ion:105 Resp: 3449234

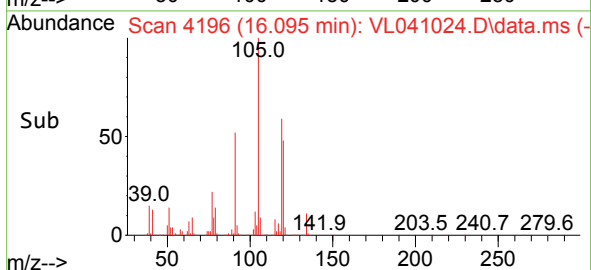
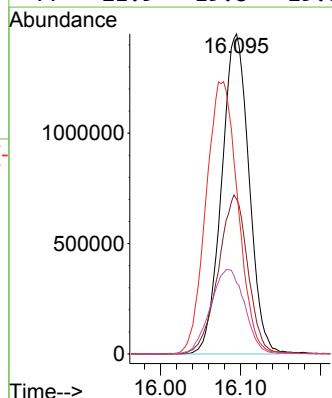
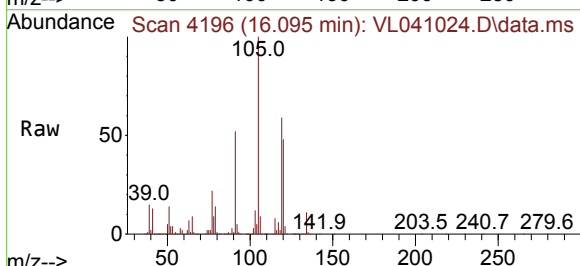
Ion Ratio Lower Upper

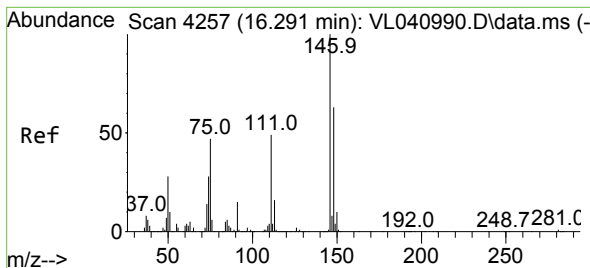
105 100

120 48.3 39.3 58.9

91 51.9 48.7 73.1

77 21.9 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 10.290 ppbv

RT: 16.317 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

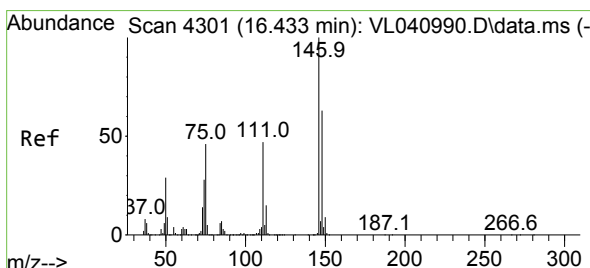
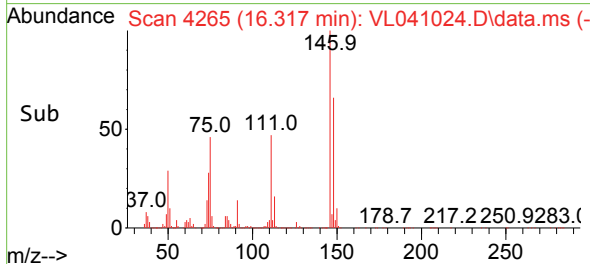
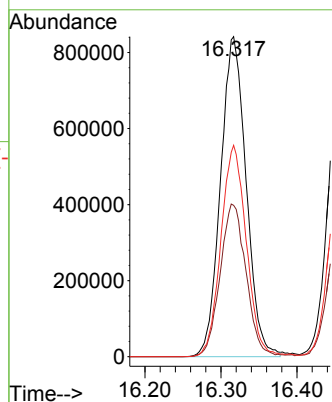
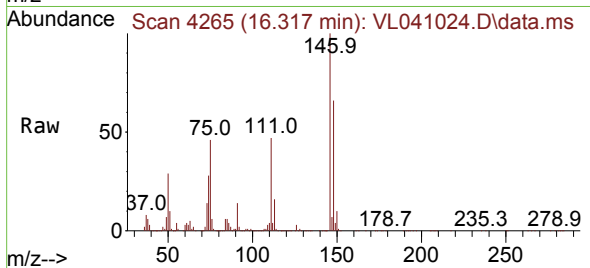
Tgt Ion:146 Resp: 1968529

Ion Ratio Lower Upper

146 100

111 48.6 24.4 73.2

148 65.7 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 10.164 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

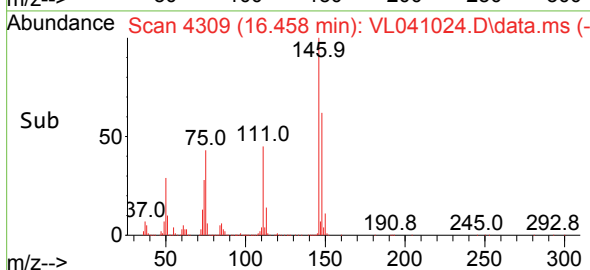
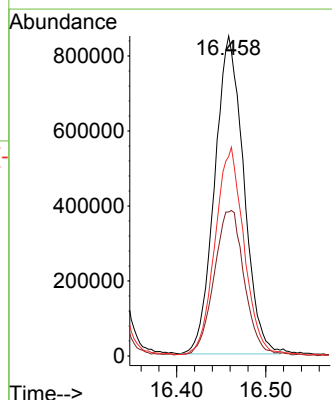
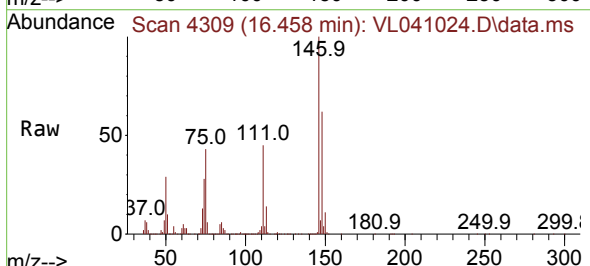
Tgt Ion:146 Resp: 1918692

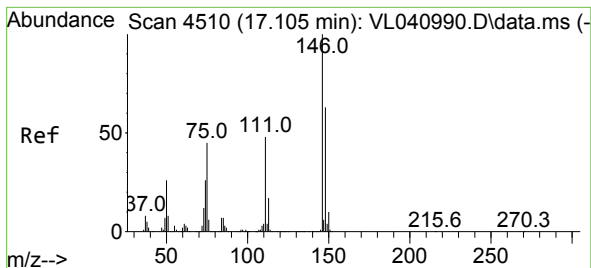
Ion Ratio Lower Upper

146 100

111 48.2 24.0 72.0

148 66.2 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 10.030 ppbv

RT: 17.127 min Scan# 4517

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

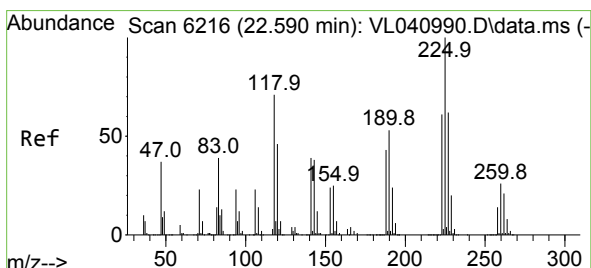
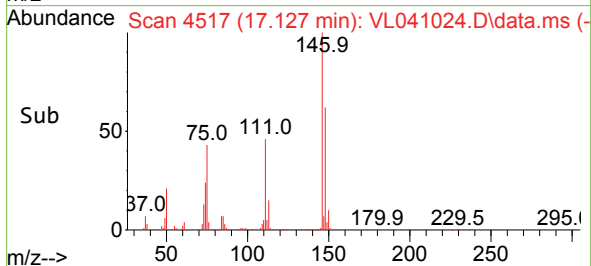
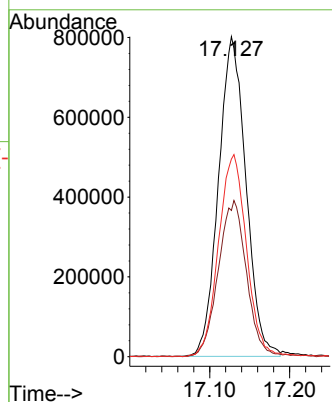
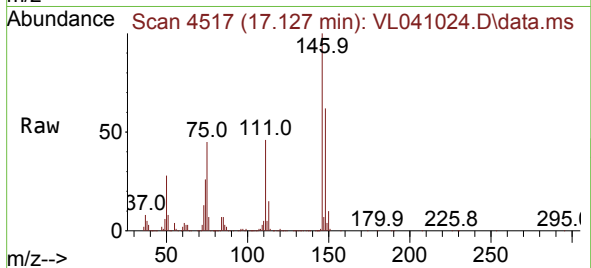
Tgt Ion:146 Resp: 1907180

Ion Ratio Lower Upper

146 100

111 50.6 24.8 74.3

148 64.6 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.862 ppbv

RT: 22.616 min Scan# 6224

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

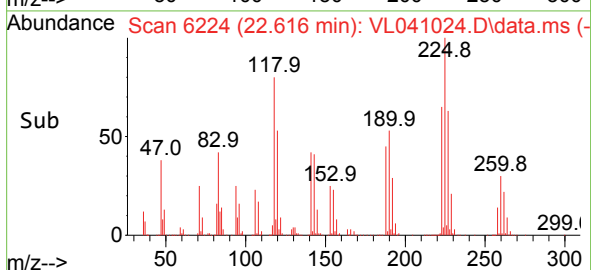
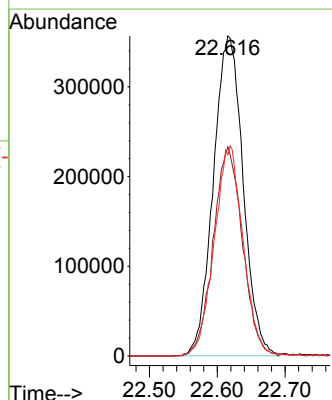
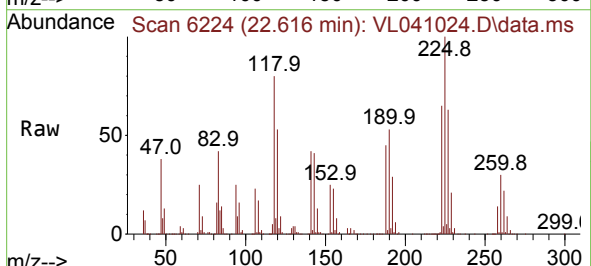
Tgt Ion:225 Resp: 1086596

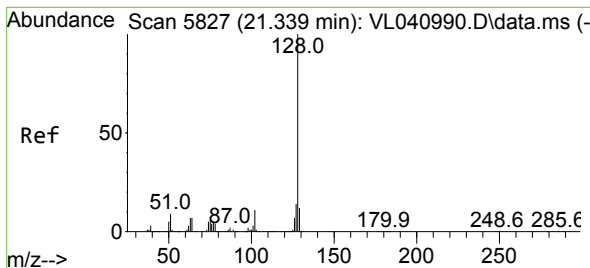
Ion Ratio Lower Upper

225 100

223 64.4 51.1 76.7

227 64.0 51.0 76.4





#79

Naphthalene

Concen: 13.725 ppbv

RT: 21.365 min Scan# 5835

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

Instrument :

MSVOA_L

ClientSampleId :

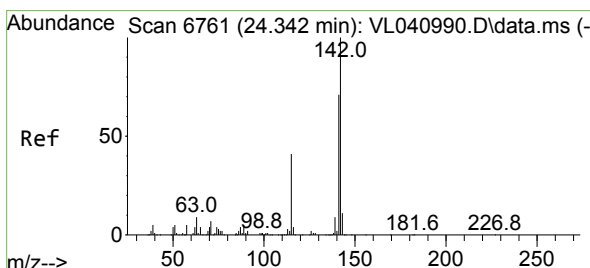
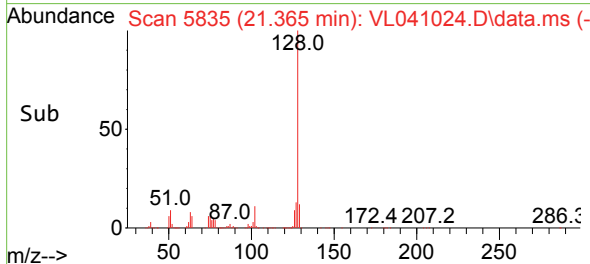
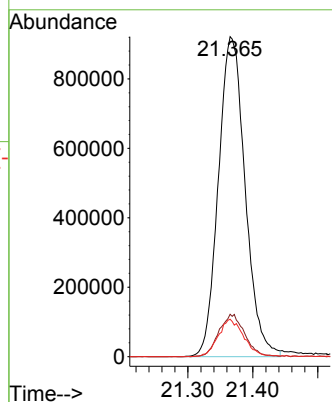
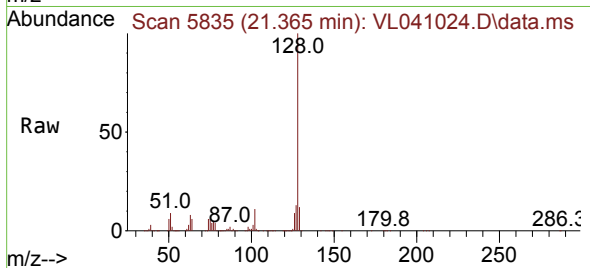
Tgt Ion:128 Resp: 2631924

Ion Ratio Lower Upper

128 100

127 13.2 10.9 16.3

129 11.7 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 15.862 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041024.D

Acq: 25 Jan 2024 9:49

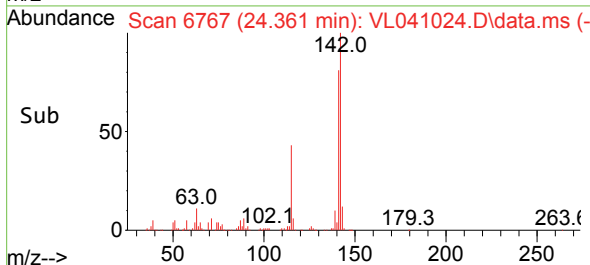
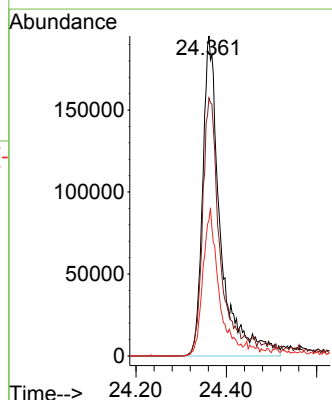
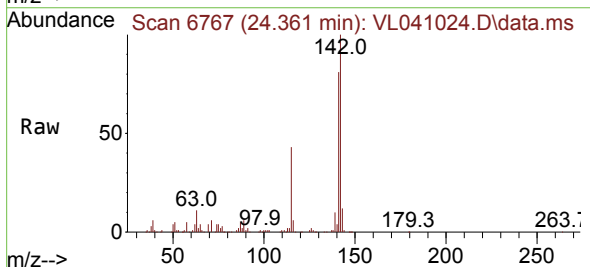
Tgt Ion:142 Resp: 534201

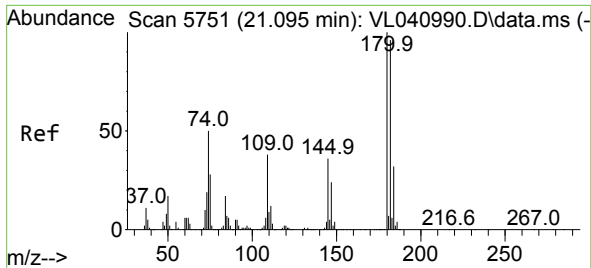
Ion Ratio Lower Upper

142 100

141 81.7 62.7 94.1

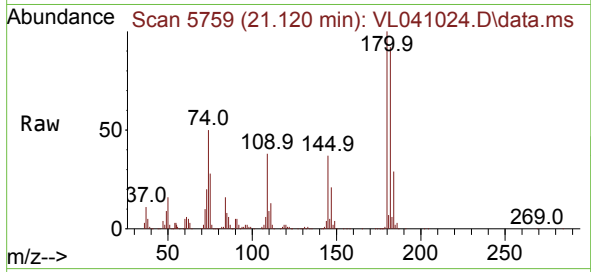
115 44.6 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.366 ppbv
 RT: 21.120 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041024.D
 Acq: 25 Jan 2024 9:49

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1271645

Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.6	118.0
184	30.0	24.4	36.6

