

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041051.D
 Acq On : 9 Feb 2024 10:28
 Operator : SY/MD
 Sample : VL0209ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 12 01:30:29 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 : Mon Feb 12 01:28:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1159595	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2933239	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3015070	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2298232 10.092 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.719	85	2393315	9.345	ppbv 96
3) Chlorodifluoromethane	2.665	51	1833396	9.400	ppbv 100
4) Chloromethane	2.803	50	696053	9.521	ppbv 99
5) Vinyl Chloride	2.909	62	715165	9.978	ppbv 99
6) Bromomethane	3.108	94	311531	9.982	ppbv 97
7) Chloroethane	3.186	64	250655	9.712	ppbv 96
8) Dichlorotetrafluoroethane	2.845	85	1749986	9.146	ppbv 96
9) Propene	2.684	41	615480	9.621	ppbv 95
10) Heptane	7.568	43	1544040	9.807	ppbv 98
11) Trichlorofluoromethane	3.552	101	1918123	9.294	ppbv 98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1386431	9.270	ppbv 99
13) Ethanol	3.227	45	140952	9.245	ppbv 95
14) Bromoethene	3.356	108	571108	9.945	ppbv 99
15) Acetone	3.456	43	1341114	9.044	ppbv 98
16) 1,3-Butadiene	2.973	39	693211	9.772	ppbv 100
17) tert-Butyl alcohol	3.867	59	1111812	9.141	ppbv 100
18) 1,1-Dichloroethene	3.867	96	601345	9.391	ppbv 94
19) Isopropyl Alcohol	3.562	45	791619	9.222	ppbv 100
20) Methylene Chloride	3.922	84	491635	8.616	ppbv 94
21) Allyl Chloride	3.983	41	852895	9.466	ppbv 100
22) trans-1,2-Dichloroethene	4.433	96	634787	9.627	ppbv 96
23) Vinyl Acetate	4.616	43	1705609	11.158	ppbv 98
24) 1,1-Dichloroethane	4.552	63	1425187	10.510	ppbv 100
25) Ethyl Acetate	5.192	43	2603997	9.684	ppbv 99
26) Hexane	5.202	57	1135057	9.904	ppbv 98
27) Carbon Disulfide	4.112	76	1511422	10.134	ppbv 99
28) Methyl tert-Butyl Ether	4.575	73	969228	10.189	ppbv 99
29) Chloroform	5.263	83	1970156	9.692	ppbv 98
30) Cyclohexane	6.587	84	950153	9.895	ppbv 100
31) cis-1,2-Dichloroethene	5.066	61	1180397	10.973	ppbv 97
32) 1,1,1-Trichloroethane	5.989	97	1941500	9.993	ppbv 100
34) 2-Butanone	4.774	43	1642092	11.751	ppbv 100
35) Carbon Tetrachloride	6.481	117	2060319	10.533	ppbv 99
36) Benzene	6.359	78	2433478	10.045	ppbv 98
37) 1,2-Dichloroethane	5.793	62	1497590	10.130	ppbv 98
38) Trichloroethene	7.279	130	935232	9.630	ppbv 98
39) 1,2-Dichloropropane	7.060	63	947683	9.930	ppbv 97
40) 1,4-Dioxane	7.269	88	402756	10.161	ppbv 97
41) Tetrahydrofuran	5.542	42	979093	10.319	ppbv 100
42) Bromodichloromethane	7.237	83	2163820	10.230	ppbv 98
43) Methyl Methacrylate	7.462	69	1005016	10.751	ppbv 100
44) 2,2,4-Trimethylpentane	7.314	57	4008536	9.834	ppbv 99
45) t-1,3-Dichloropropene	8.697	75	780448	12.219	ppbv 99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 01:28:19 2024
 Response via : Initial Calibration

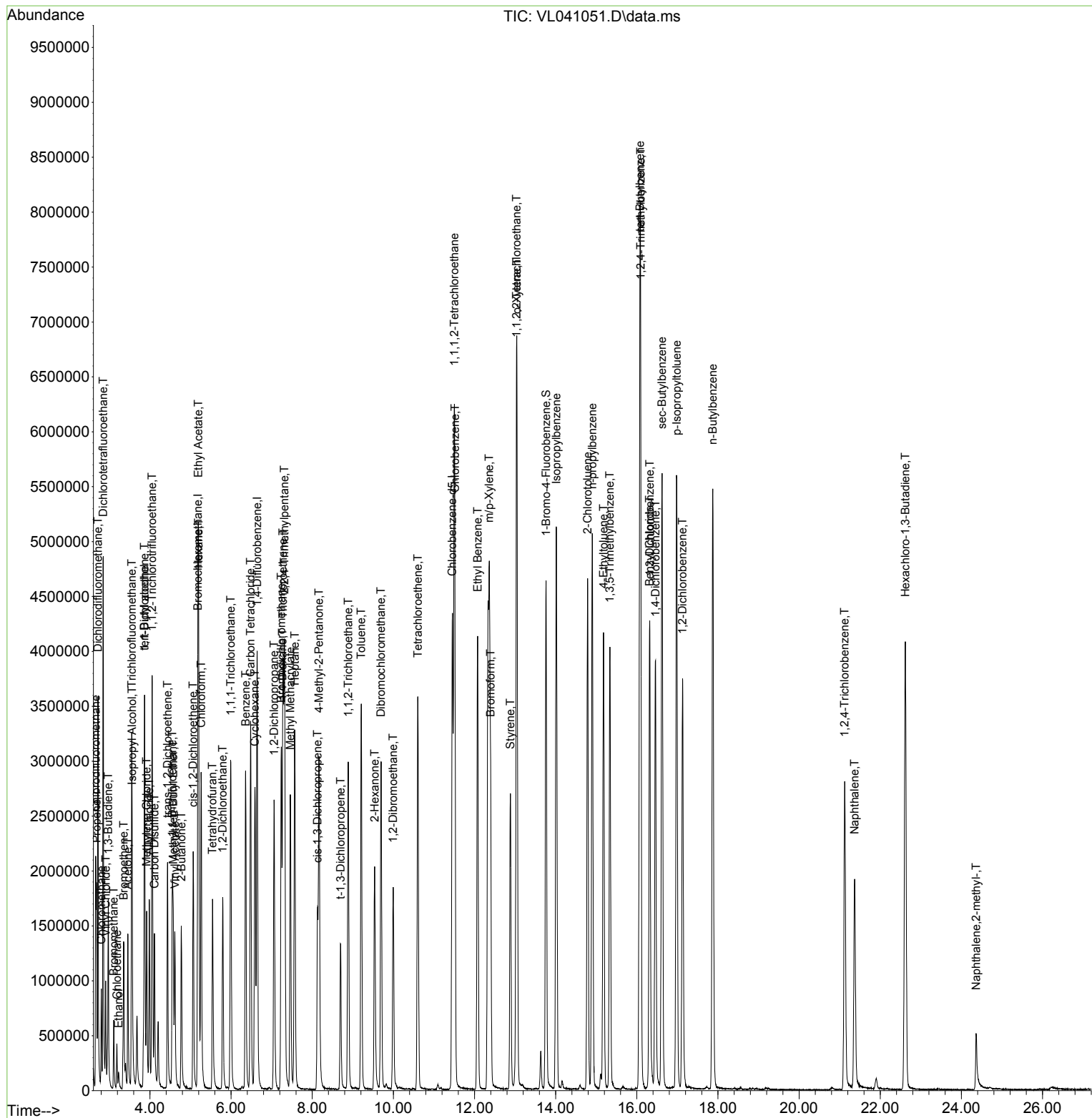
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	929842	11.673	ppbv	97
47) 1,1,2-Trichloroethane	8.886	97	1041944	10.129	ppbv	94
48) Dibromochloromethane	9.697	129	1836351	10.559	ppbv	99
49) Bromoform	12.397	173	1527858	11.200	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2592422	10.534	ppbv	100
51) 2-Hexanone	9.539	43	1859105	10.480	ppbv	99
52) Tetrachloroethene	10.606	164	833914	10.366	ppbv	99
53) Toluene	9.208	91	2798383	10.545	ppbv	99
54) 1,2-Dibromoethane	9.996	107	1490612	10.700	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1346458	9.308	ppbv	99
57) Chlorobenzene	11.516	112	2186803	9.017	ppbv	99
58) Ethyl Benzene	12.076	91	3841342	9.488	ppbv	99
59) m/p-Xylene	12.359	91	3488937	9.883	ppbv #	39
60) o-Xylene	13.044	91	3193376	9.429	ppbv	99
61) Styrene	12.883	104	1620572	10.420	ppbv	100
62) Isopropylbenzene	14.018	105	4614834	9.213	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2377536	9.032	ppbv	99
64) n-propylbenzene	14.902	120	1197756	9.465	ppbv	98
65) tert-Butylbenzene	16.076	119	4035749	9.222	ppbv	100
66) Benzyl Chloride	16.314	91	297739	10.382	ppbv	99
67) sec-Butylbenzene	16.622	105	5769974	9.055	ppbv	100
69) p-Isopropyltoluene	16.982	119	4620620	9.361	ppbv	100
70) n-Butylbenzene	17.873	91	4942219	9.266	ppbv	100
71) 2-Chlorotoluene	14.786	91	3601606	9.319	ppbv	100
72) 4-Ethyltoluene	15.179	105	3629260	9.595	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	3177452	9.465	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	3492671	9.178	ppbv	94
75) 1,3-Dichlorobenzene	16.317	146	2023782	9.344	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1978019	9.255	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1942196	9.022	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1120804	8.074	ppbv	100
79) Naphthalene	21.368	128	2481964	11.433	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	438457	11.499	ppbv	94
81) 1,2,4-Trichlorobenzene	21.124	180	1219063	9.624	ppbv	100

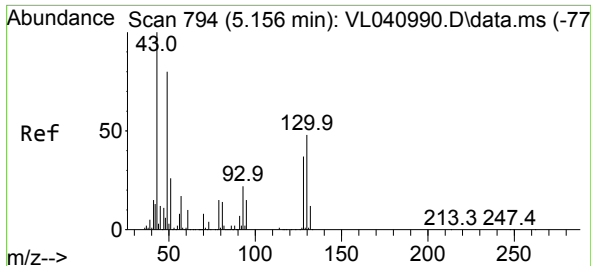
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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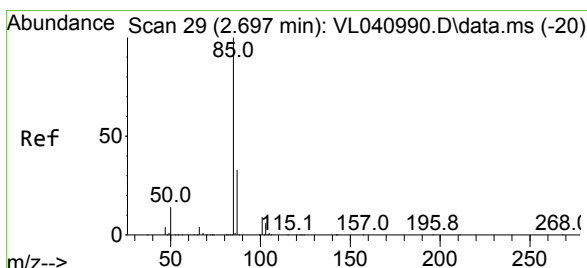
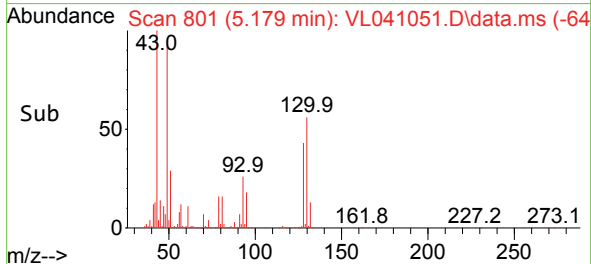
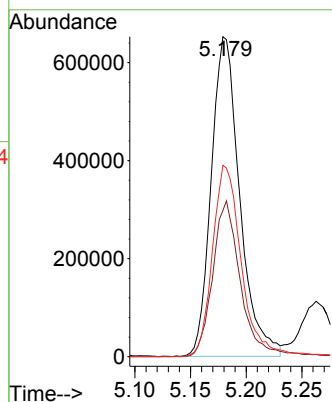
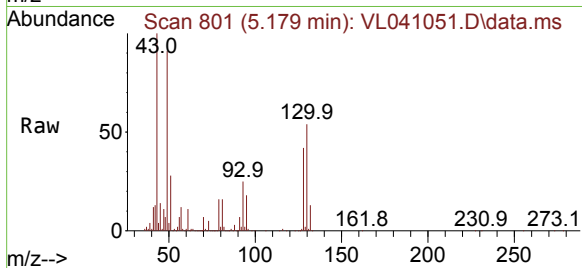




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

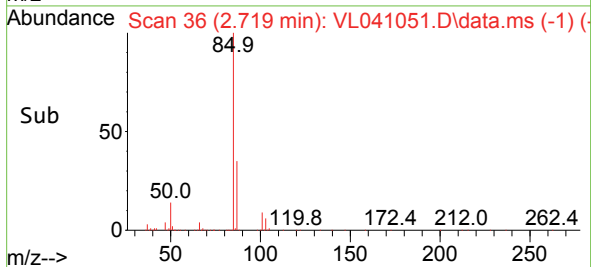
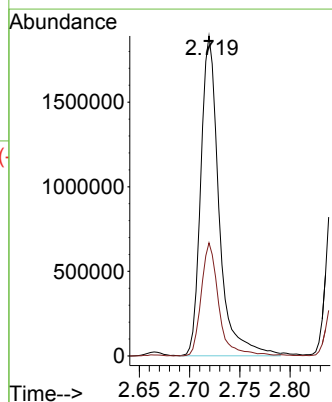
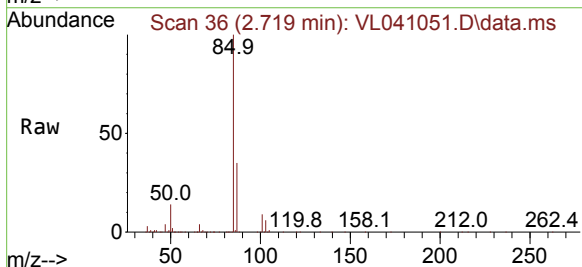
Instrument :
 MSVOA_L
 ClientSampleId :

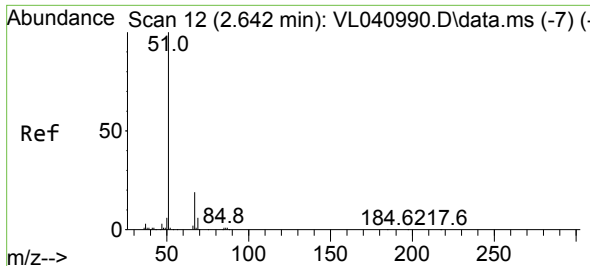
Tgt Ion: 49 Resp: 1159595
 Ion Ratio Lower Upper
 49 100
 128 48.4 23.9 71.7
 130 61.6 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 9.345 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 85 Resp: 2393315
 Ion Ratio Lower Upper
 85 100
 87 35.3 26.3 39.5

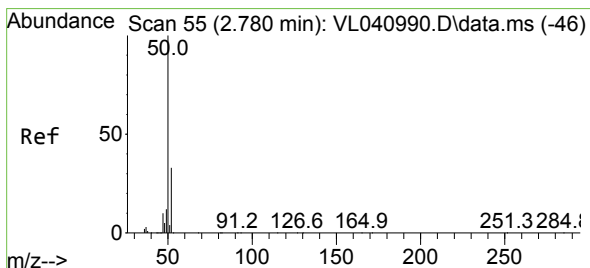
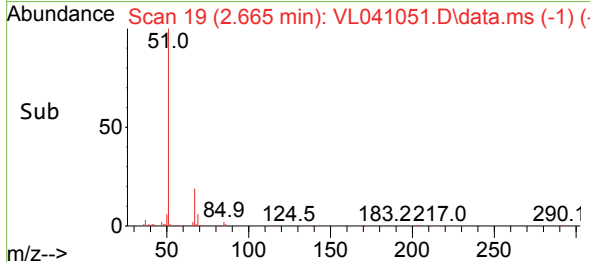
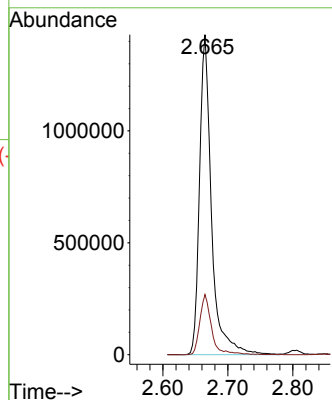
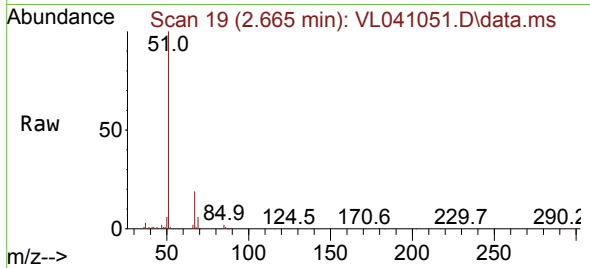




#3
Chlorodifluoromethane
Concen: 9.400 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

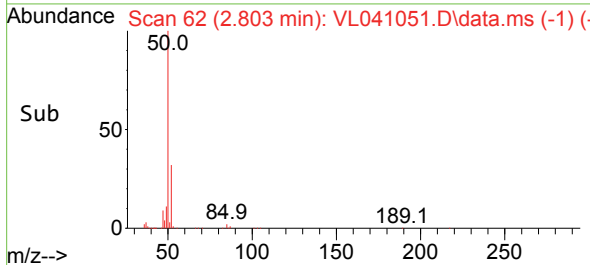
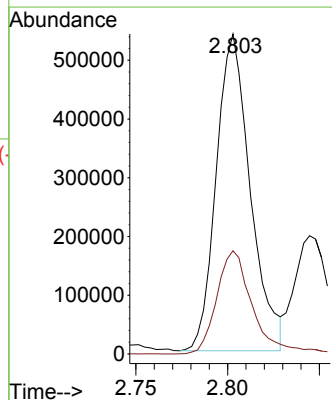
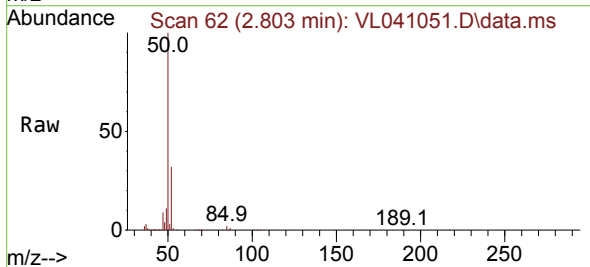
Instrument :
MSVOA_L
ClientSampleId :

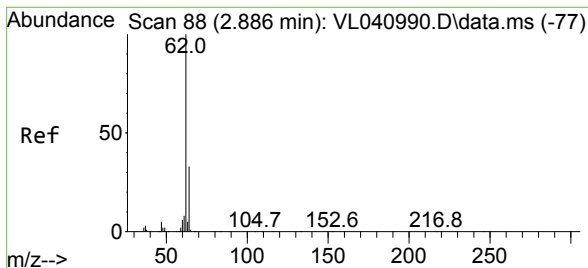
Tgt Ion: 51 Resp: 1833396
Ion Ratio Lower Upper
51 100
67 18.5 14.8 22.2



#4
Chloromethane
Concen: 9.521 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.006 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 50 Resp: 696053
Ion Ratio Lower Upper
50 100
52 32.5 26.2 39.4

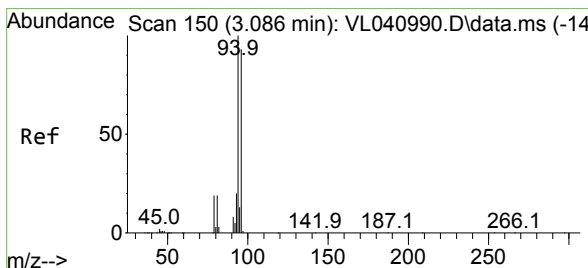
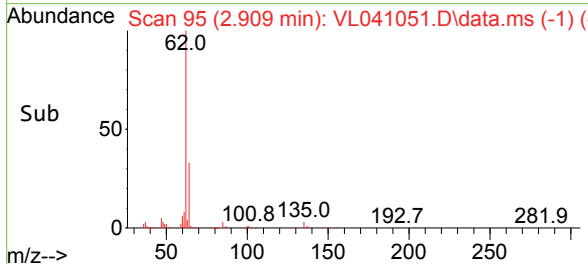
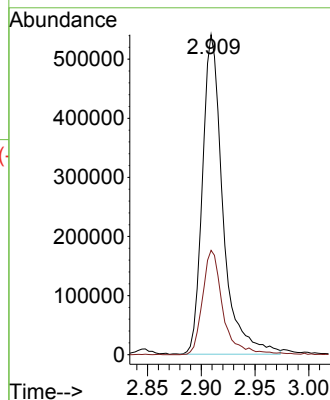
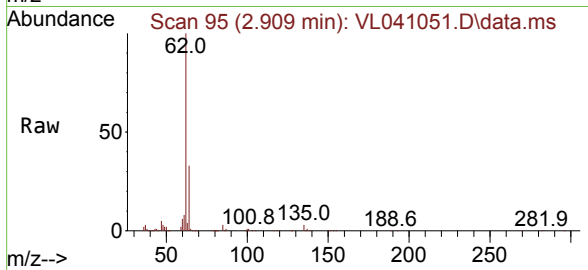




#5
 Vinyl Chloride
 Concen: 9.978 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

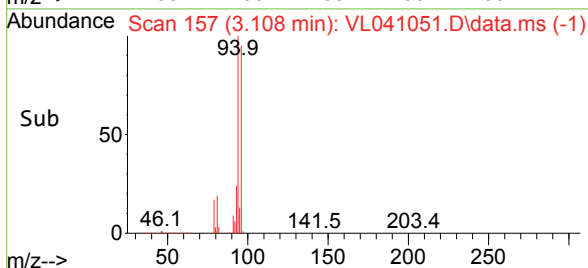
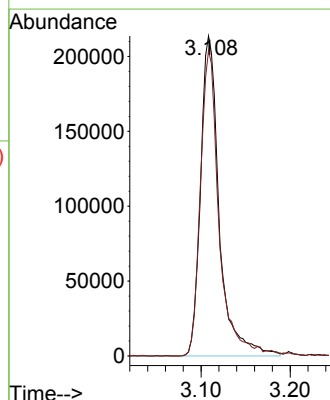
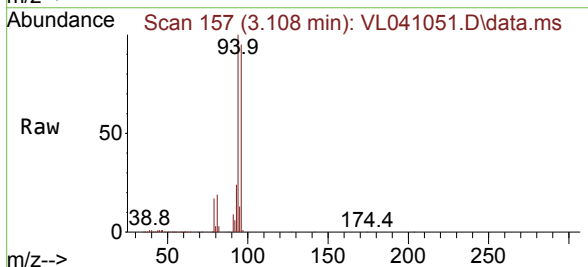
Instrument :
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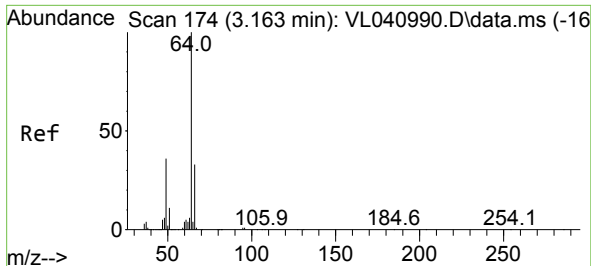
Tgt Ion: 62 Resp: 715165
 Ion Ratio Lower Upper
 62 100
 64 32.7 26.6 40.0



#6
 Bromomethane
 Concen: 9.982 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 94 Resp: 311531
 Ion Ratio Lower Upper
 94 100
 96 95.4 74.2 111.4

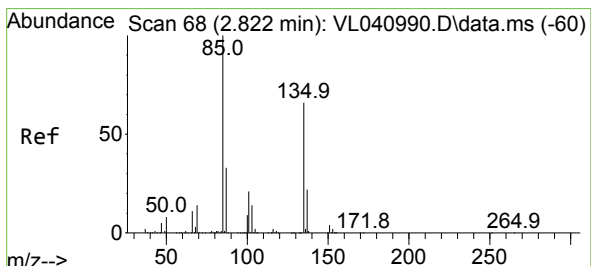
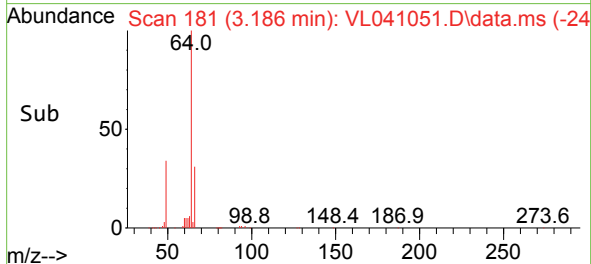
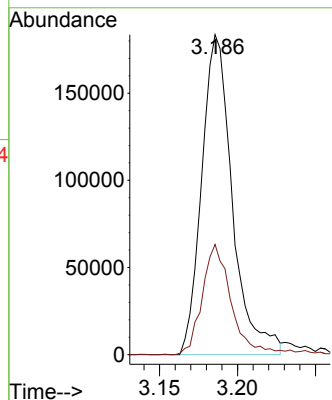
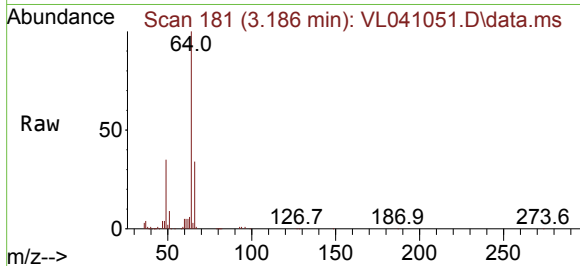




#7
Chloroethane
Concen: 9.712 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

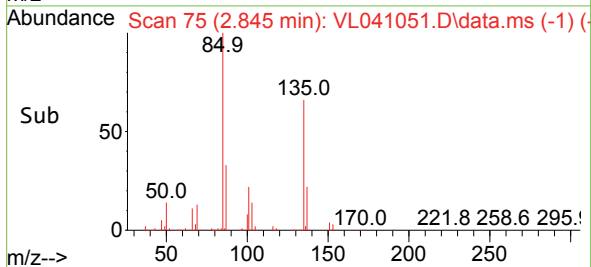
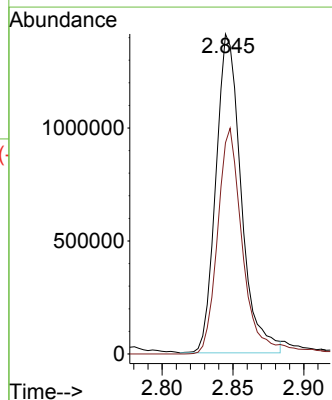
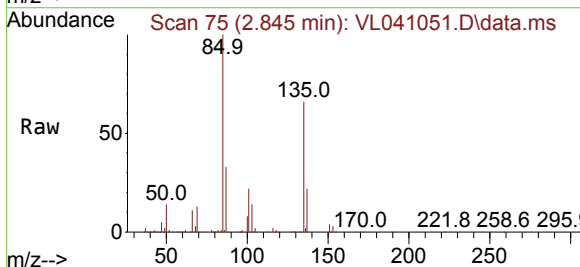
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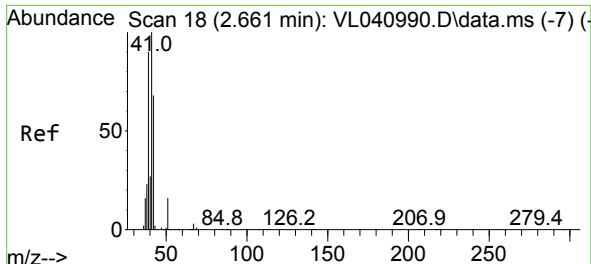
Tgt Ion: 64 Resp: 250655
Ion Ratio Lower Upper
64 100
66 34.5 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.146 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 85 Resp: 1749986
Ion Ratio Lower Upper
85 100
135 71.9 55.0 82.6

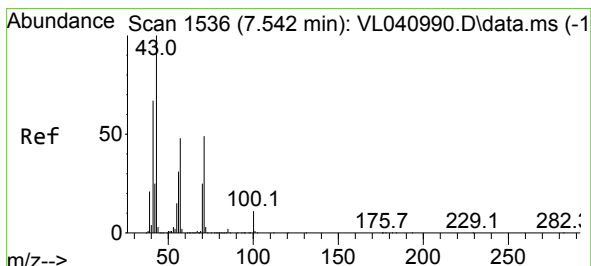
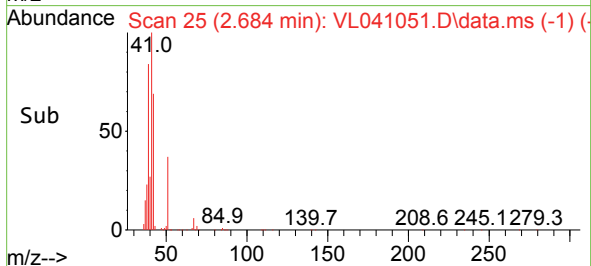
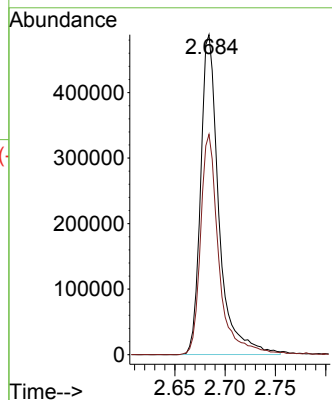
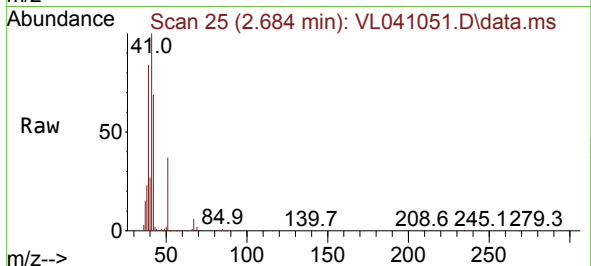




#9
 Propene
 Concen: 9.621 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

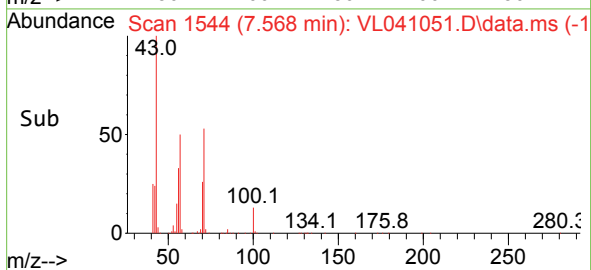
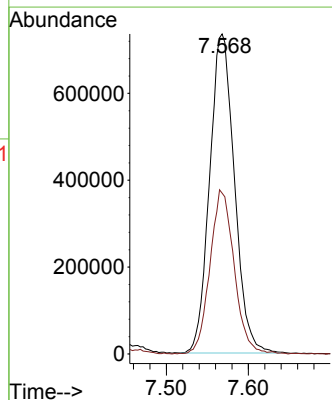
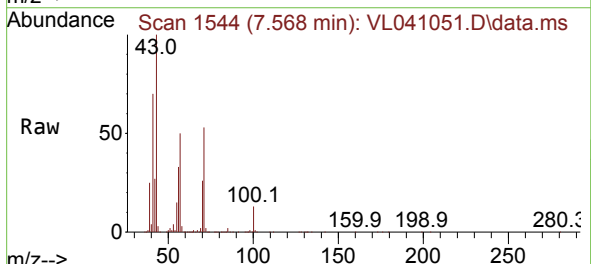
Instrument :
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 ClientSampleId :

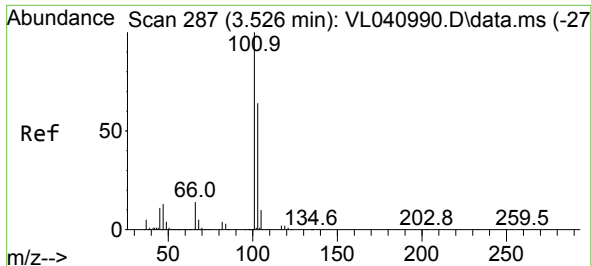
Tgt Ion: 41 Resp: 615480
 Ion Ratio Lower Upper
 41 100
 42 69.9 59.0 88.4



#10
 Heptane
 Concen: 9.807 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.000 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 43 Resp: 1544040
 Ion Ratio Lower Upper
 43 100
 57 50.4 39.4 59.2

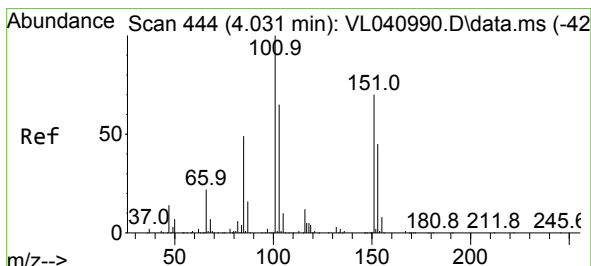
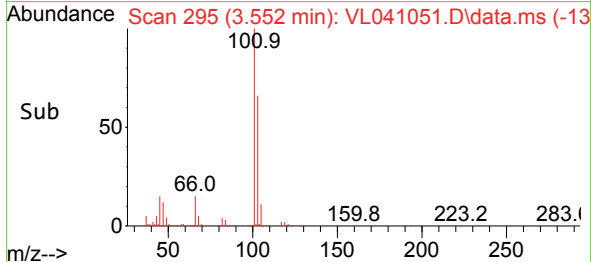
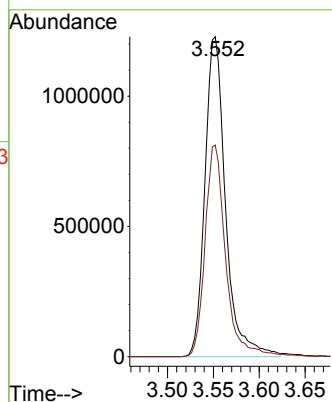
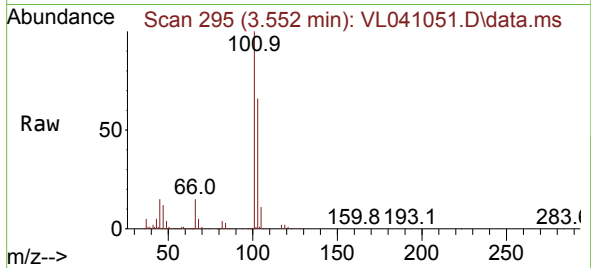




#11
 Trichlorofluoromethane
 Concen: 9.294 ppbv
 RT: 3.552 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

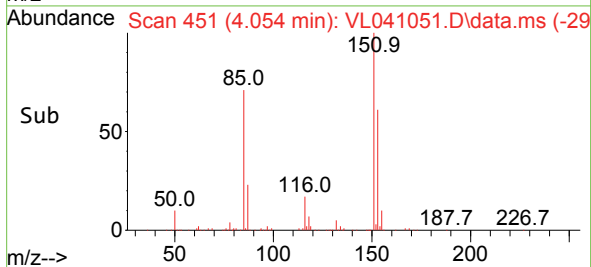
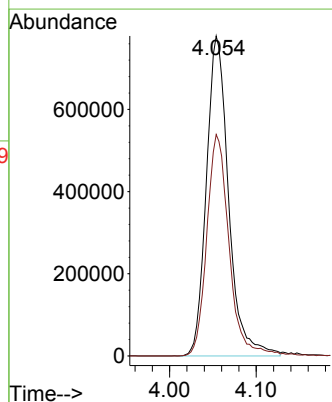
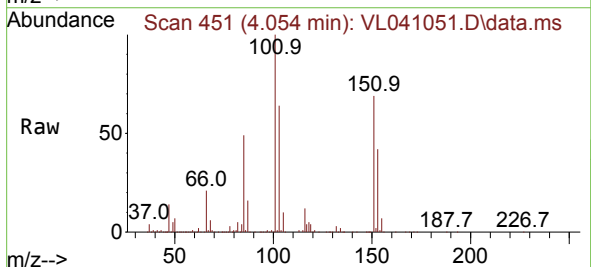
Instrument :
 MSVOA_L
 ClientSampleId :

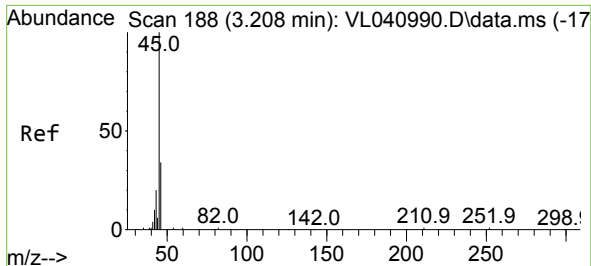
Tgt Ion:101 Resp: 1918123
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.270 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion:101 Resp: 1386431
 Ion Ratio Lower Upper
 101 100
 151 70.1 56.6 85.0

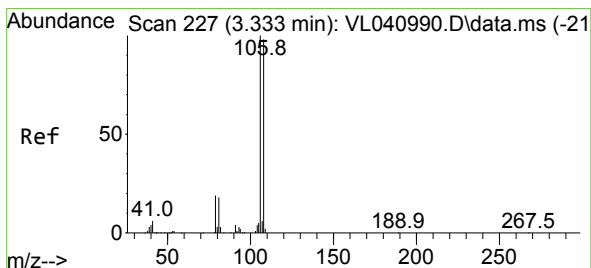
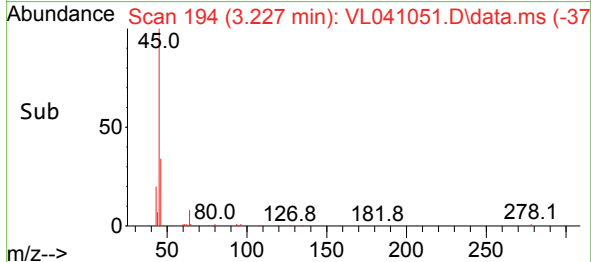
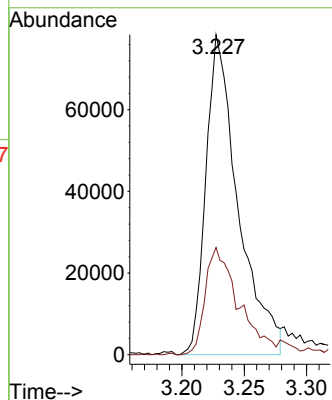
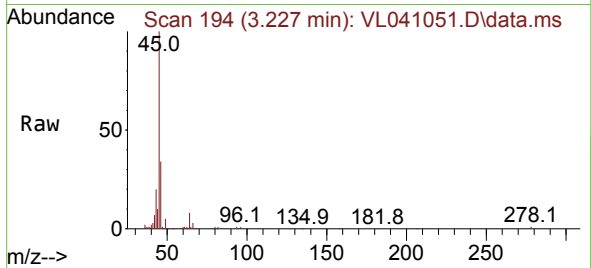




#13
Ethanol
Concen: 9.245 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

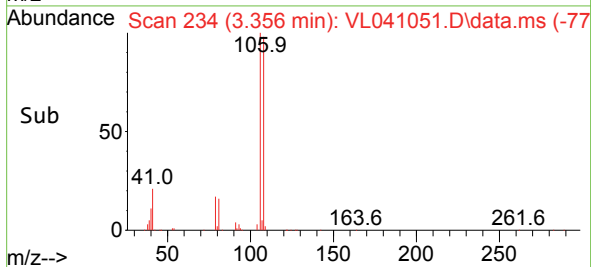
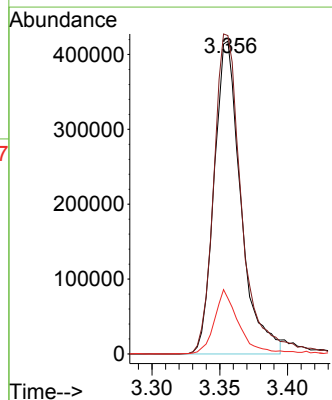
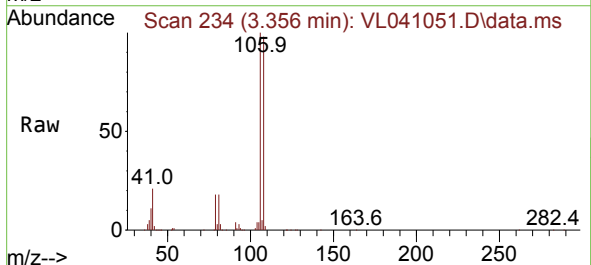
Instrument :
MSVOA_L
ClientSampleId :

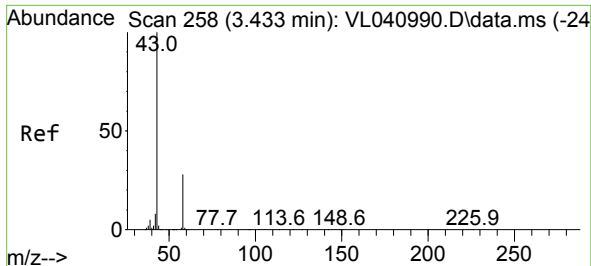
Tgt Ion: 45 Resp: 140952
Ion Ratio Lower Upper
45 100
46 37.6 16.2 64.8



#14
Bromoethene
Concen: 9.945 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 108 Resp: 571108
Ion Ratio Lower Upper
108 100
106 109.2 86.4 129.6
79 19.8 16.2 24.4

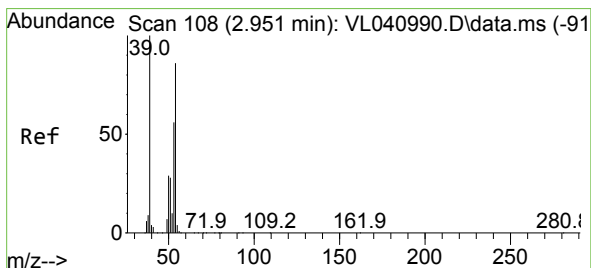
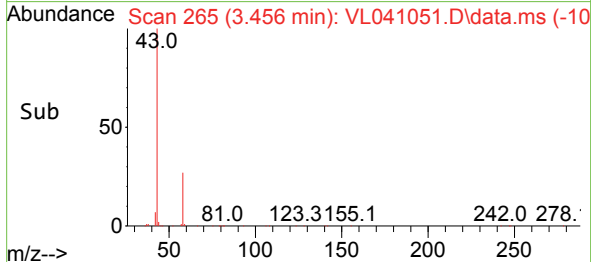
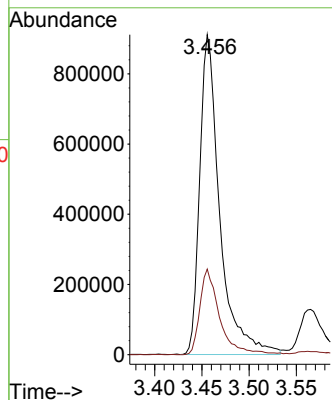
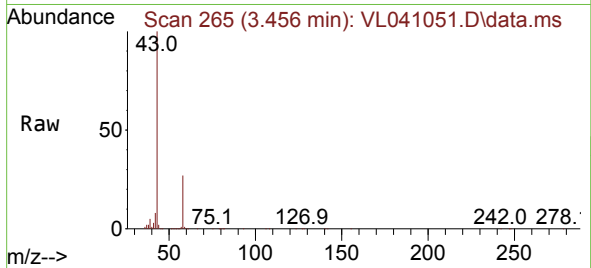




#15
Acetone
Concen: 9.044 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

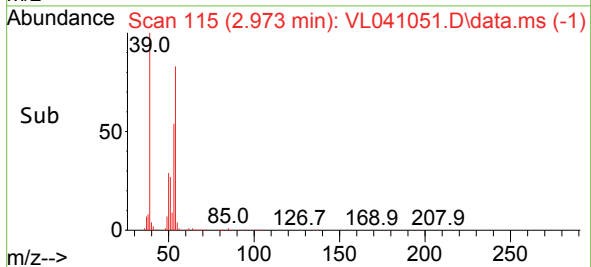
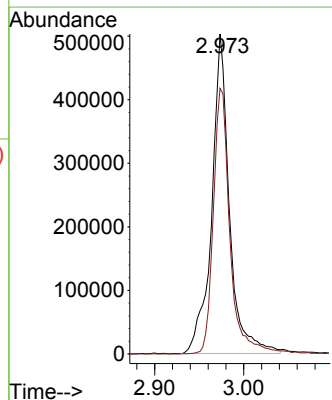
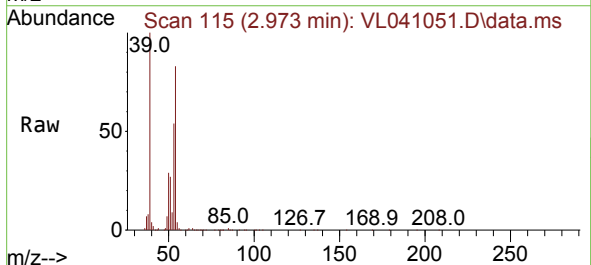
Instrument :
MSVOA_L
ClientSampleId :

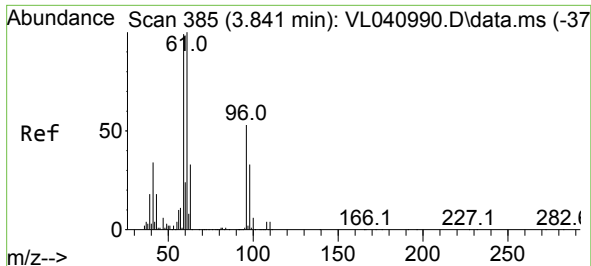
Tgt Ion: 43 Resp: 1341114
Ion Ratio Lower Upper
43 100
58 26.5 22.2 33.2



#16
1,3-Butadiene
Concen: 9.772 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 39 Resp: 693211
Ion Ratio Lower Upper
39 100
54 78.8 62.7 94.1

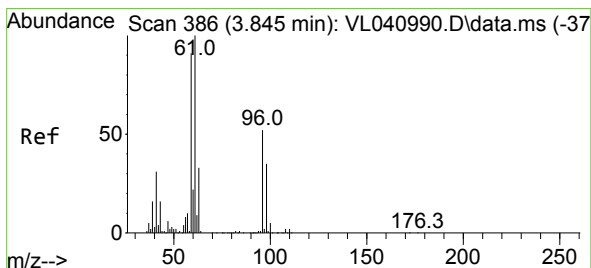
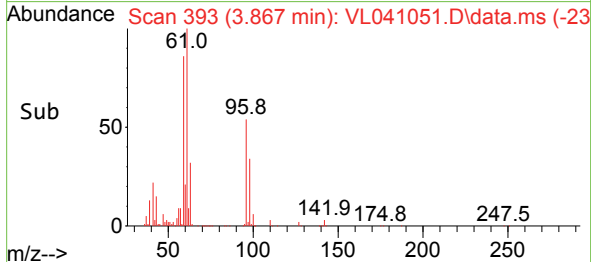
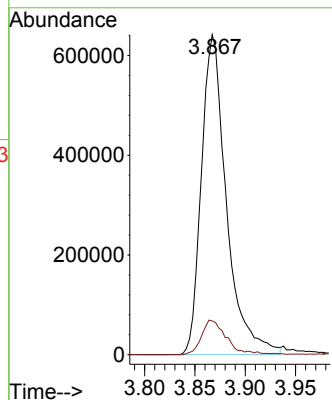
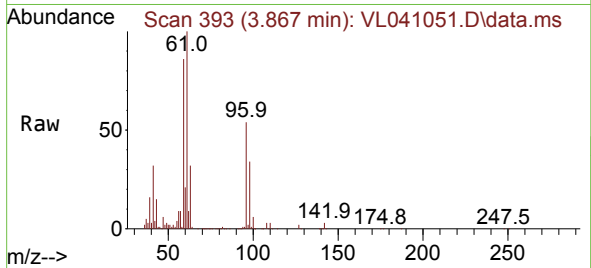




#17
tert-Butyl alcohol
Concen: 9.141 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

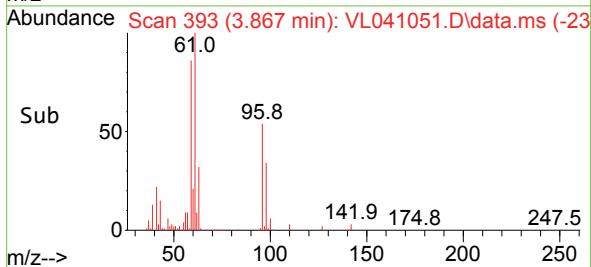
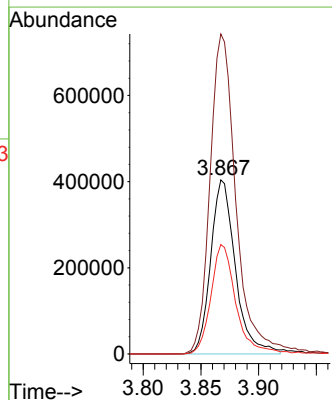
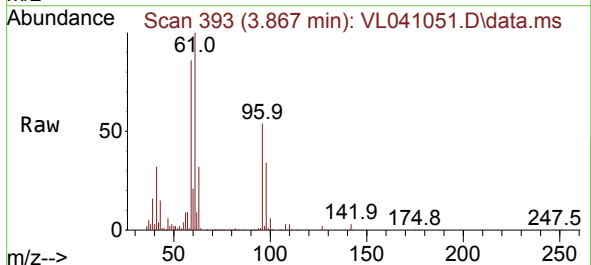
Instrument :
MSVOA_L
ClientSampleId :

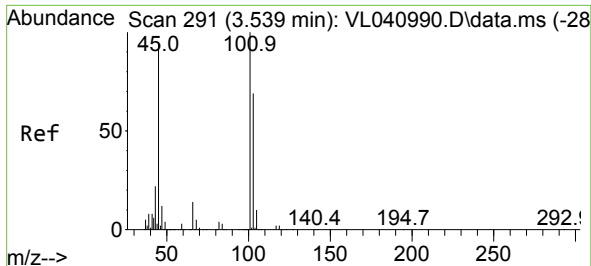
Tgt Ion: 59 Resp: 1111812
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.391 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 96 Resp: 601345
Ion Ratio Lower Upper
96 100
61 183.8 153.8 230.8
98 62.8 53.7 80.5





#19

Isopropyl Alcohol

Concen: 9.222 ppbv

RT: 3.562 min Scan# 291

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

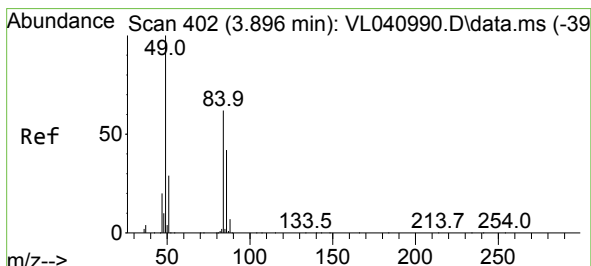
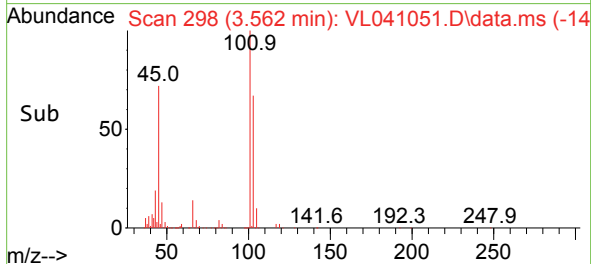
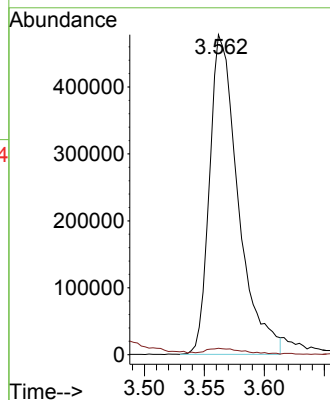
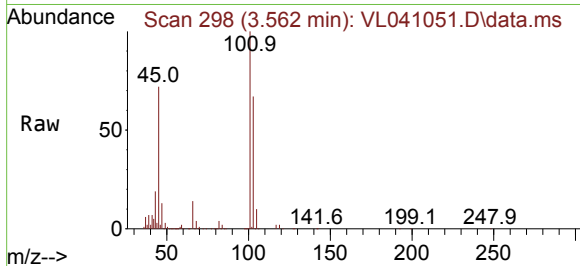
ClientSampleId :

Tgt Ion: 45 Resp: 791619

Ion Ratio Lower Upper

45 100

58 2.7 2.2 3.4



#20

Methylene Chloride

Concen: 8.616 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Tgt Ion: 84 Resp: 491635

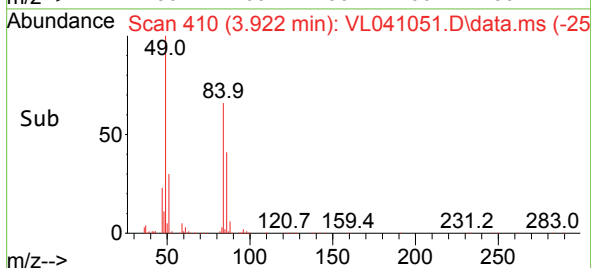
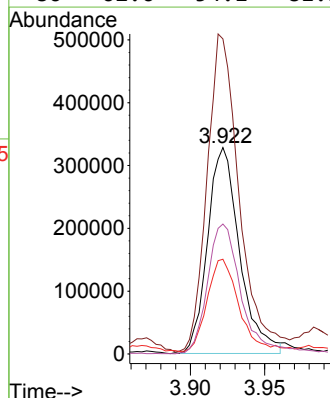
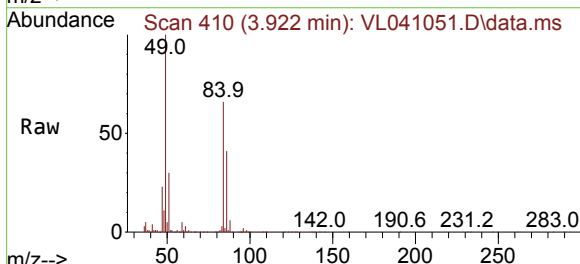
Ion Ratio Lower Upper

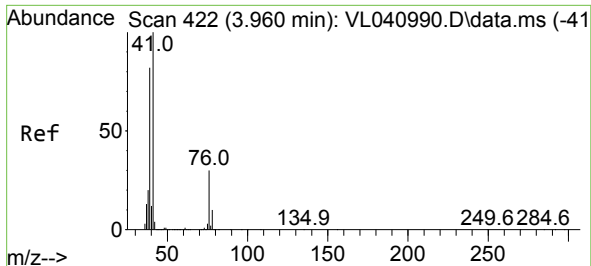
84 100

49 151.4 128.1 192.1

51 44.8 36.5 54.7

86 62.6 54.1 81.1

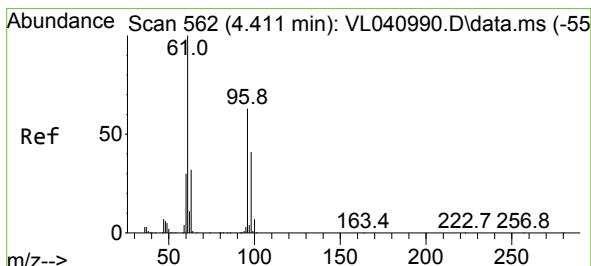
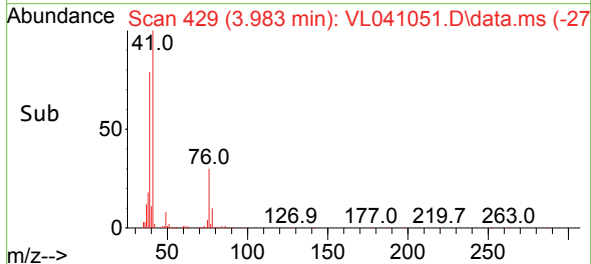
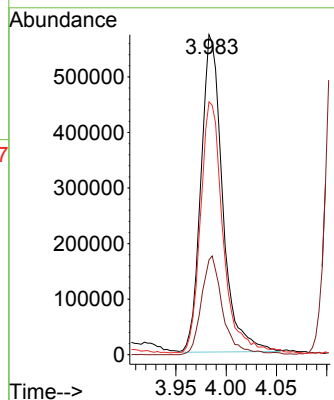
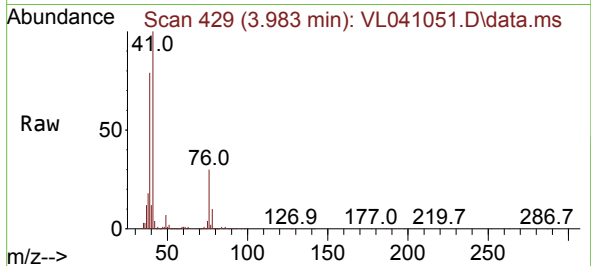




#21
 Allyl Chloride
 Concen: 9.466 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

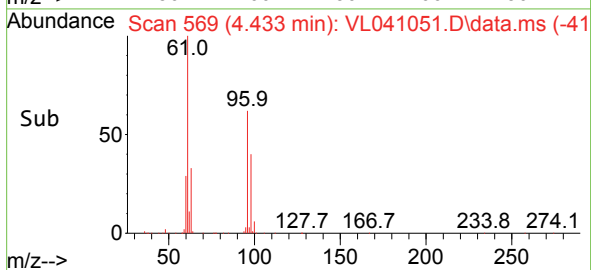
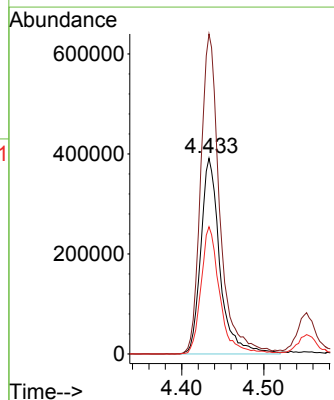
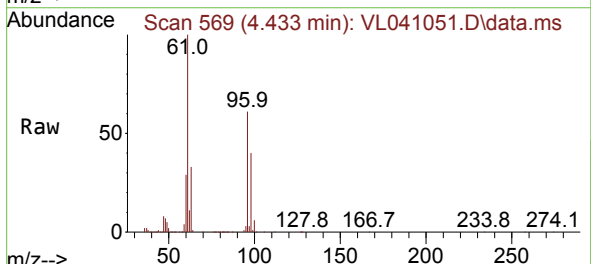
Instrument :
 MSVOA_L
 ClientSampleId :

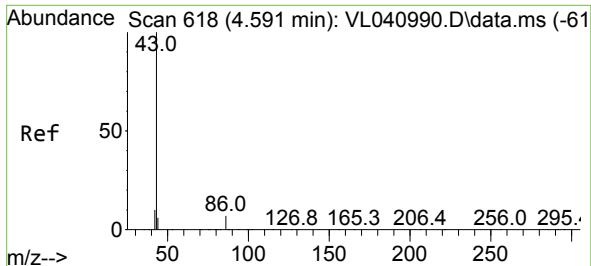
Tgt Ion: 41 Resp: 852895
 Ion Ratio Lower Upper
 41 100
 76 30.9 25.0 37.4
 39 83.7 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.627 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 96 Resp: 634787
 Ion Ratio Lower Upper
 96 100
 61 163.3 126.0 189.0
 98 65.0 51.2 76.8



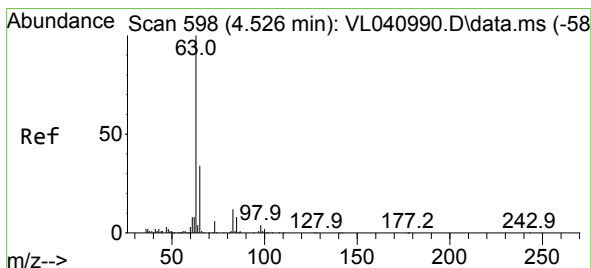
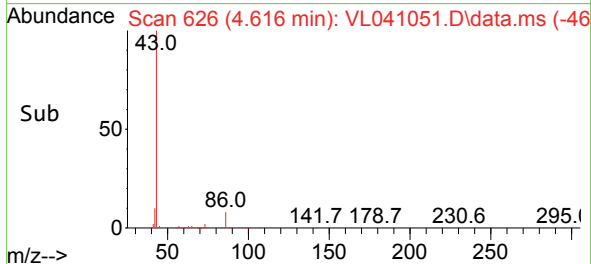
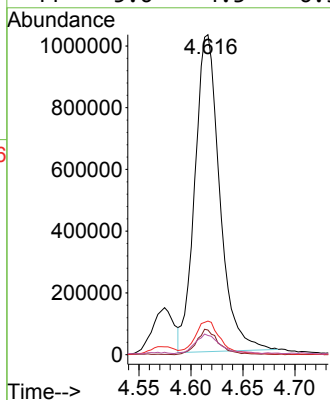
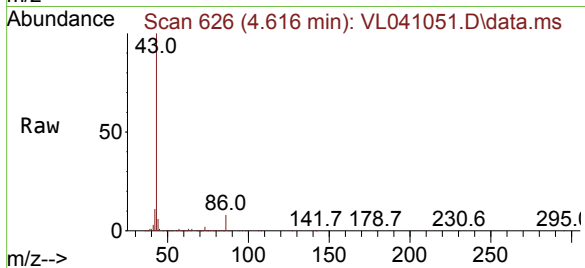


#23
 Vinyl Acetate
 Concen: 11.158 ppbv
 RT: 4.616 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1705609

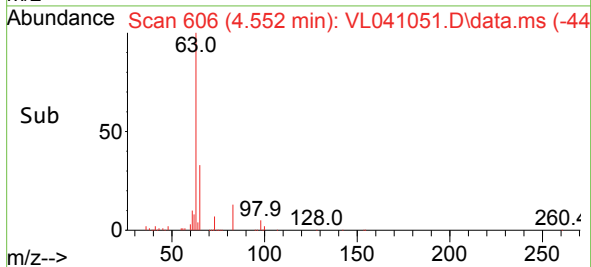
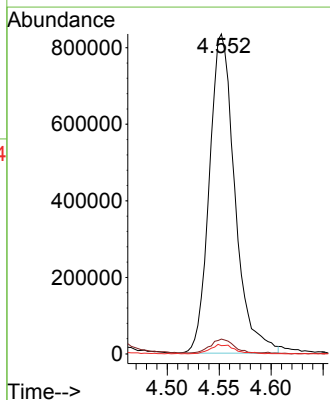
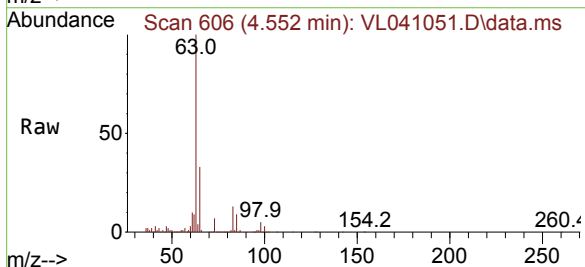
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.4	8.0
42	10.4	8.6	13.0
44	5.6	4.3	6.5

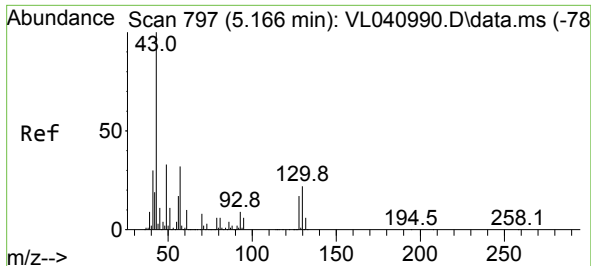


#24
 1,1-Dichloroethane
 Concen: 10.510 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 63 Resp: 1425187

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	2.5	1.3	3.9



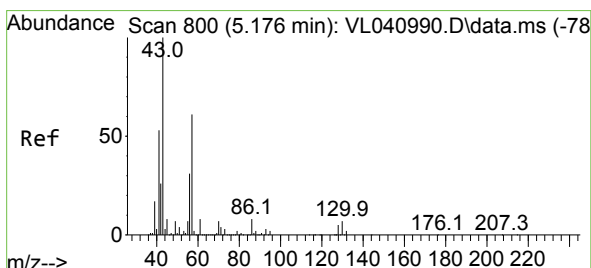
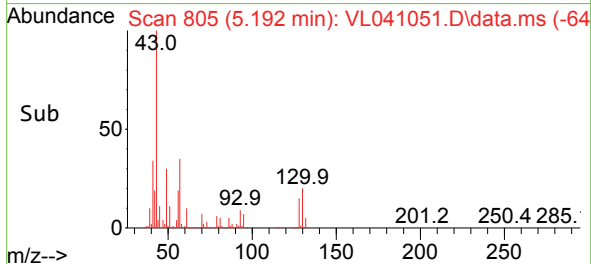
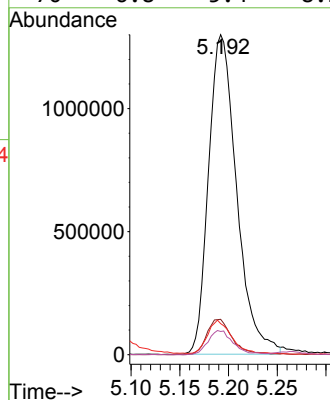
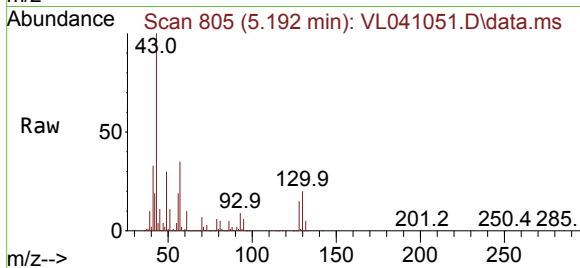


#25
Ethyl Acetate
Concen: 9.684 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2603997

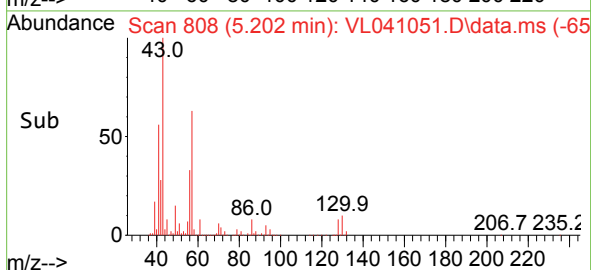
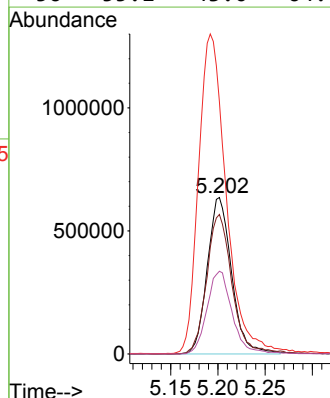
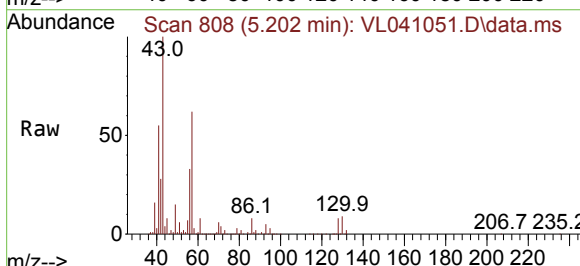
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.4	7.9	11.9
70	6.8	5.4	8.2

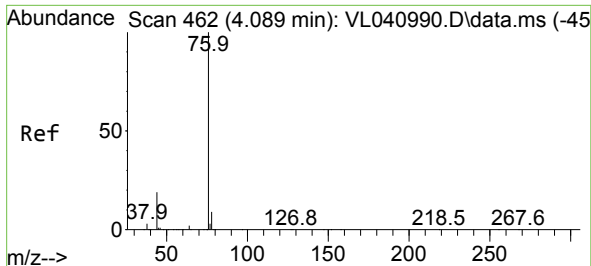


#26
Hexane
Concen: 9.904 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 57 Resp: 1135057

Ion	Ratio	Lower	Upper
57	100		
41	94.3	74.4	111.6
43	234.2	190.6	285.8
56	55.1	43.0	64.4





#27

Carbon Disulfide

Concen: 10.134 ppbv

RT: 4.112 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

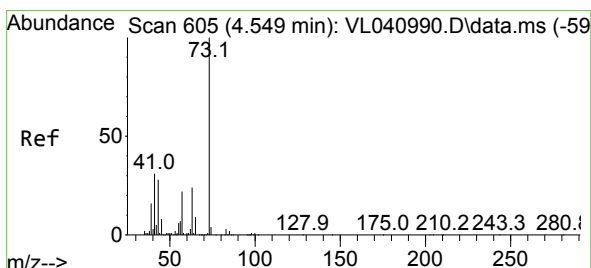
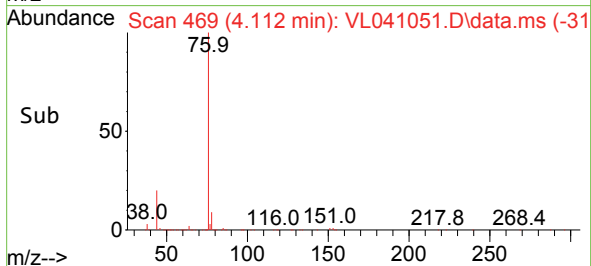
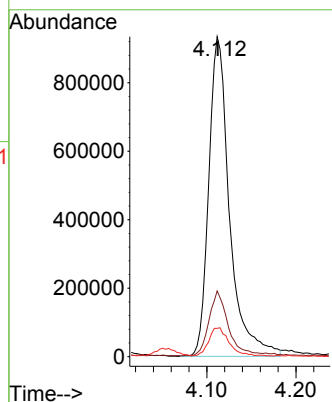
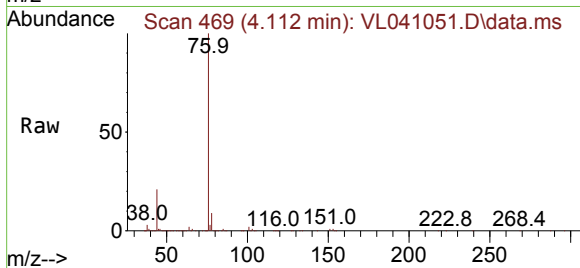
Tgt Ion: 76 Resp: 1511422

Ion Ratio Lower Upper

76 100

44 19.3 16.0 24.0

78 9.3 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 10.189 ppbv

RT: 4.575 min Scan# 613

Delta R.T. 0.003 min

Lab File: VL041051.D

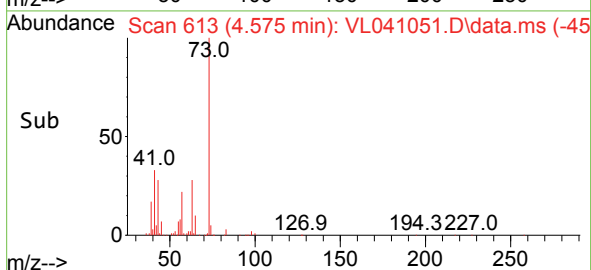
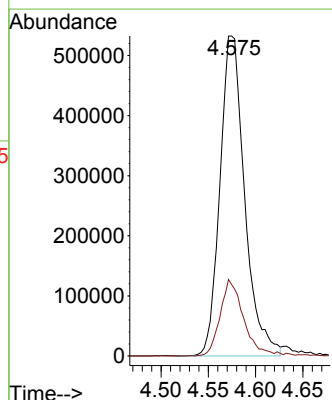
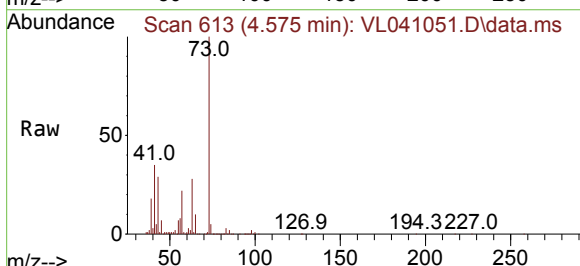
Acq: 9 Feb 2024 10:28

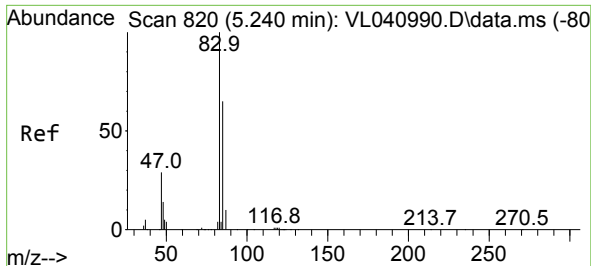
Tgt Ion: 73 Resp: 969228

Ion Ratio Lower Upper

73 100

57 23.1 18.0 27.0





#29

Chloroform

Concen: 9.692 ppbv

RT: 5.263 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

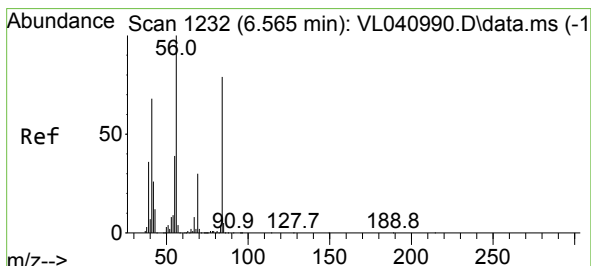
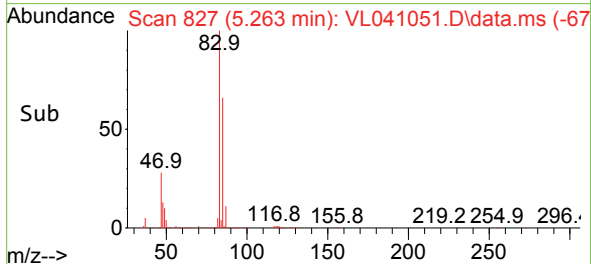
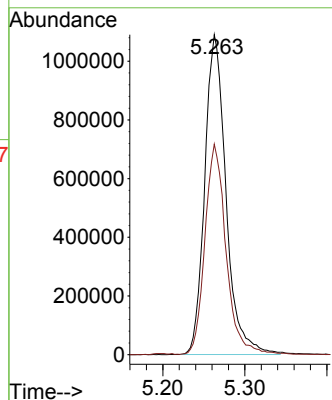
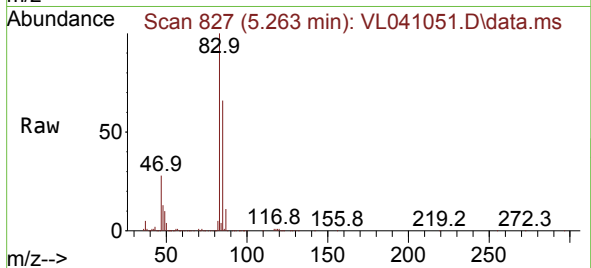
ClientSampleId :

Tgt Ion: 83 Resp: 1970156

Ion Ratio Lower Upper

83 100

85 65.8 51.6 77.4



#30

Cyclohexane

Concen: 9.895 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

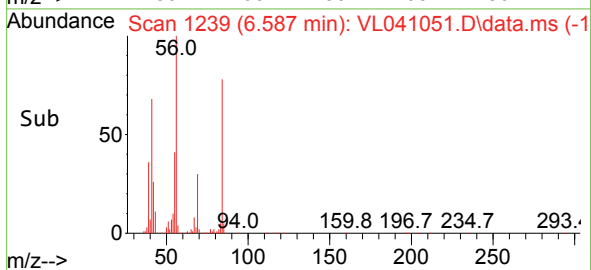
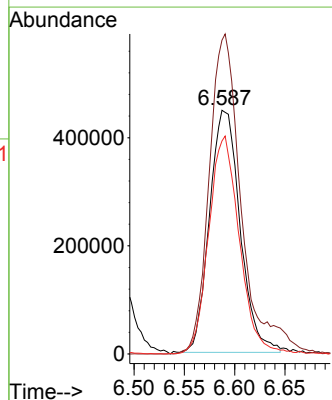
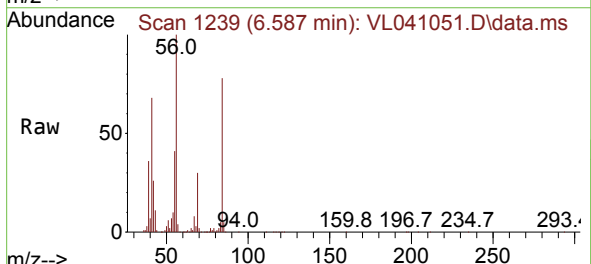
Tgt Ion: 84 Resp: 950153

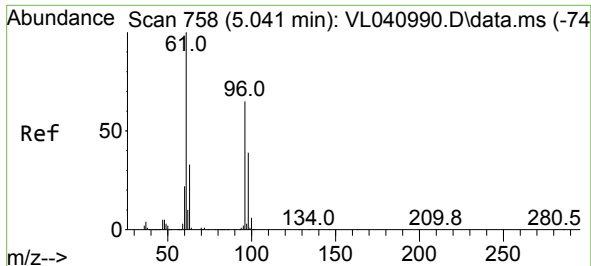
Ion Ratio Lower Upper

84 100

56 139.5 111.7 167.5

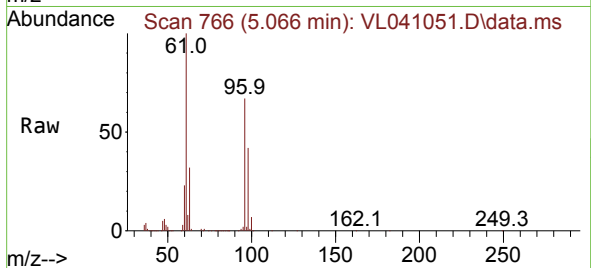
41 89.7 71.0 106.6





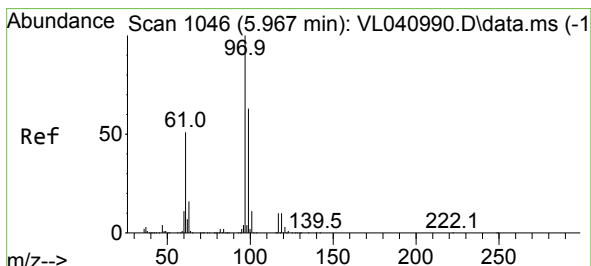
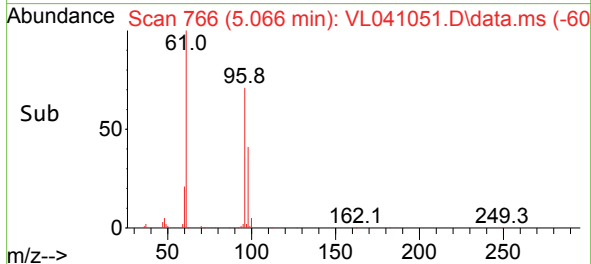
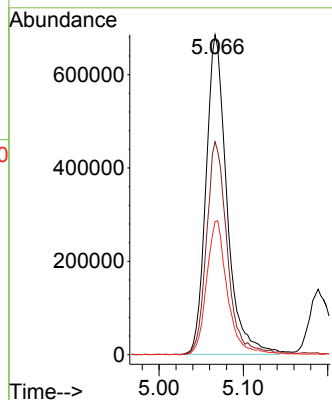
#31
cis-1,2-Dichloroethene
Concen: 10.973 ppbv
RT: 5.066 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 61 Resp: 1180397

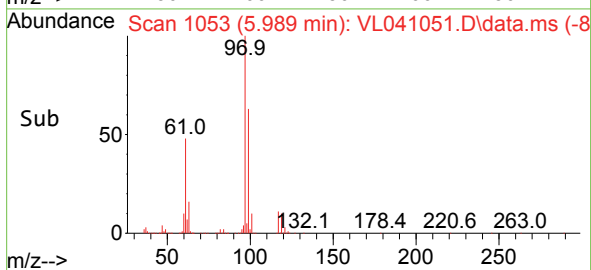
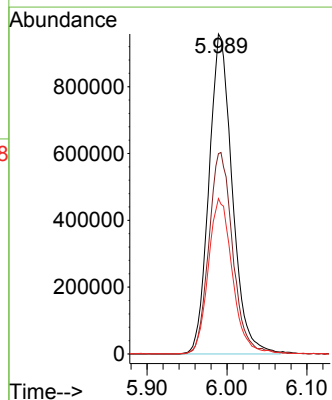
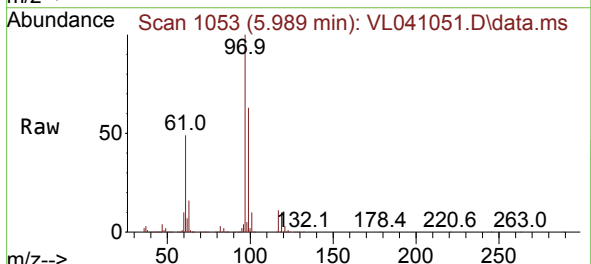
Ion	Ratio	Lower	Upper
61	100		
96	66.6	51.9	77.9
98	41.6	31.5	47.3

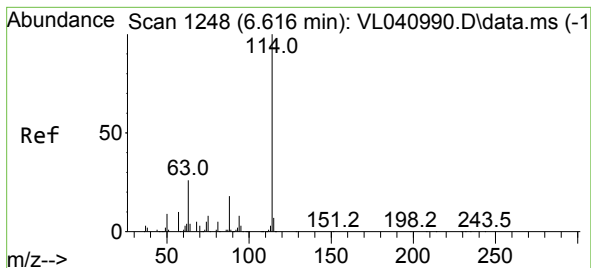


#32
1,1,1-Trichloroethane
Concen: 9.993 ppbv
RT: 5.989 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 97 Resp: 1941500

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	50.6	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: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

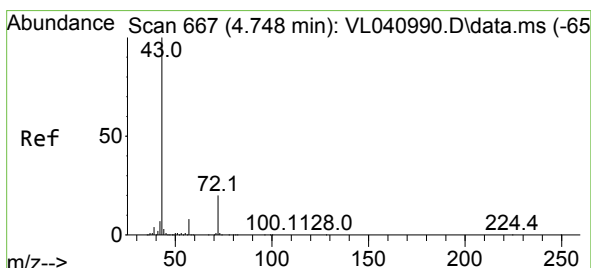
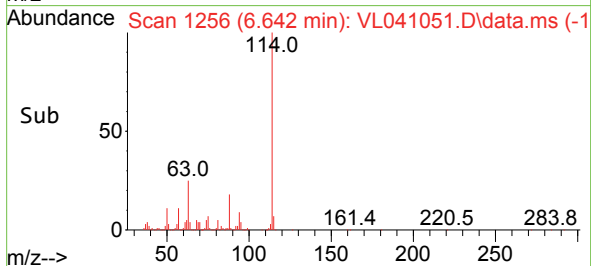
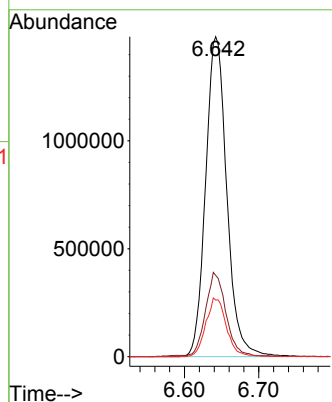
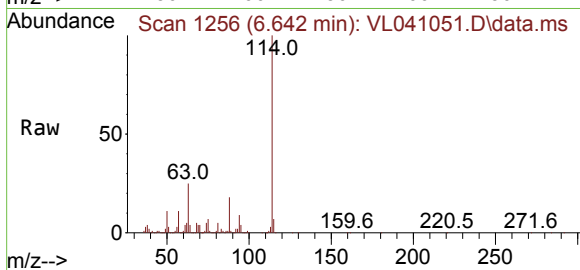
Tgt Ion:114 Resp: 2933239

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 11.751 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.003 min

Lab File: VL041051.D

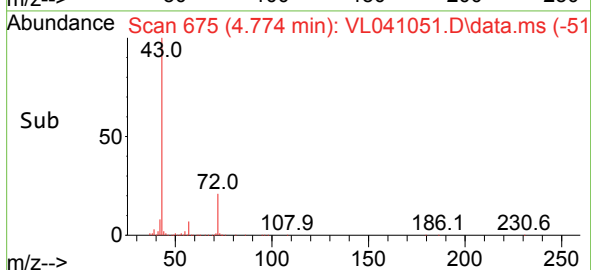
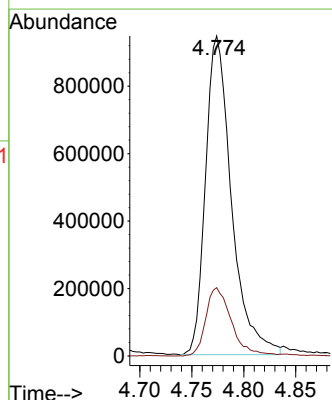
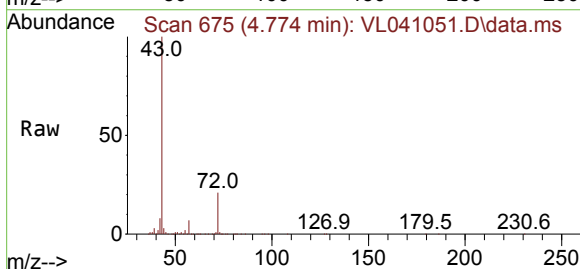
Acq: 9 Feb 2024 10:28

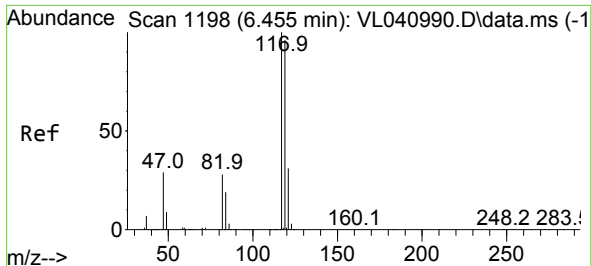
Tgt Ion: 43 Resp: 1642092

Ion Ratio Lower Upper

43 100

72 21.8 17.5 26.3

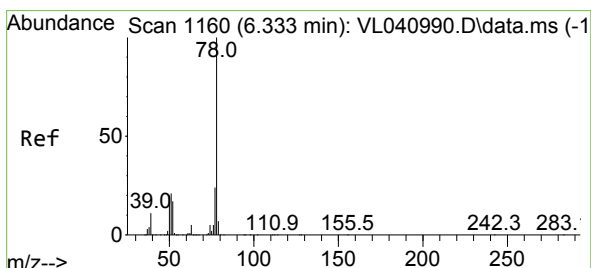
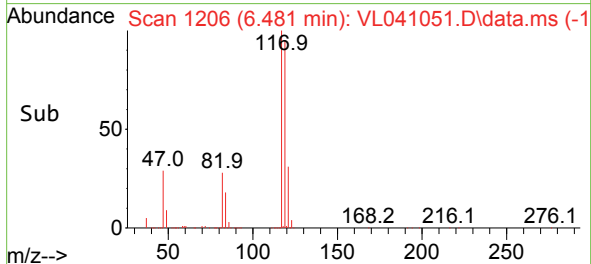
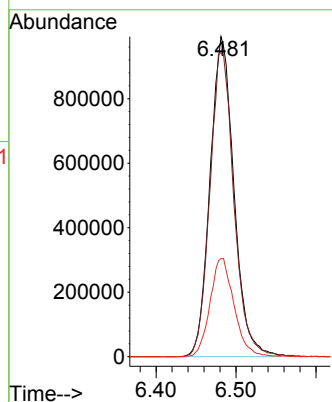
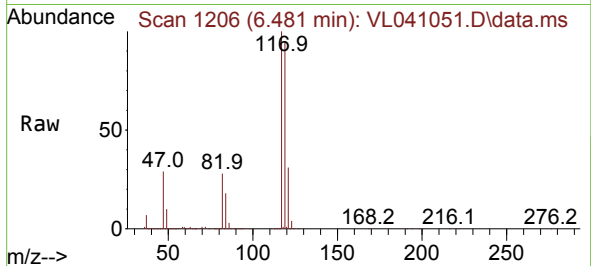




#35
Carbon Tetrachloride
Concen: 10.533 ppbv
RT: 6.481 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

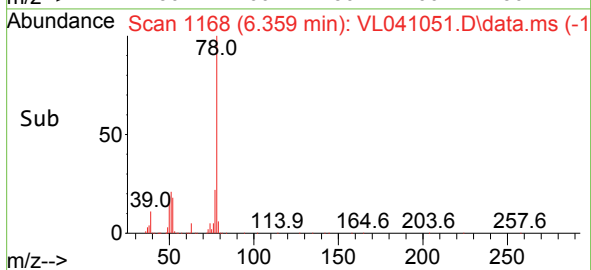
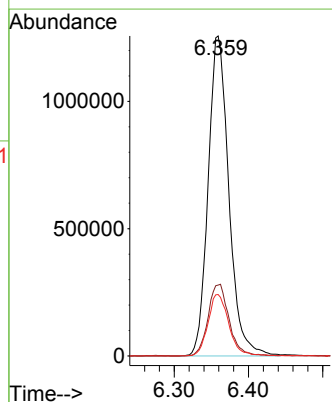
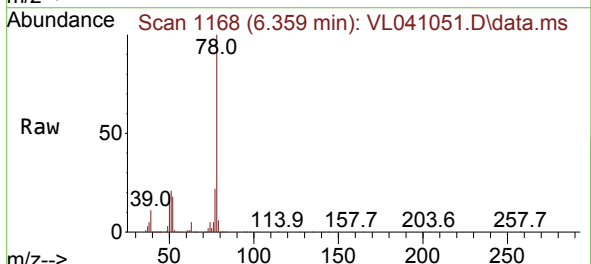
Instrument :
MSVOA_L
ClientSampleId :

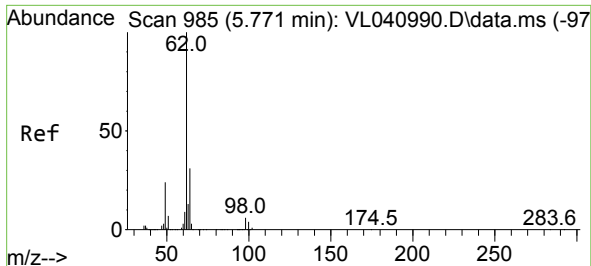
Tgt Ion:117 Resp: 2060319
Ion Ratio Lower Upper
117 100
119 94.9 76.9 115.3
121 30.6 24.7 37.1



#36
Benzene
Concen: 10.045 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 78 Resp: 2433478
Ion Ratio Lower Upper
78 100
77 22.2 19.0 28.4
50 19.1 15.8 23.6





#37

1,2-Dichloroethane

Concen: 10.130 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

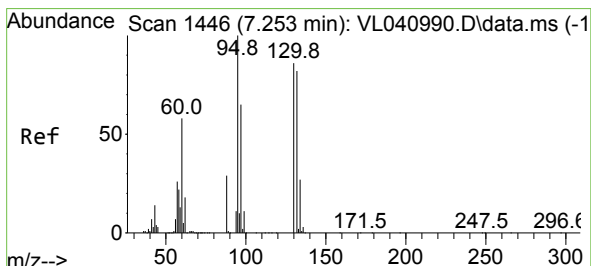
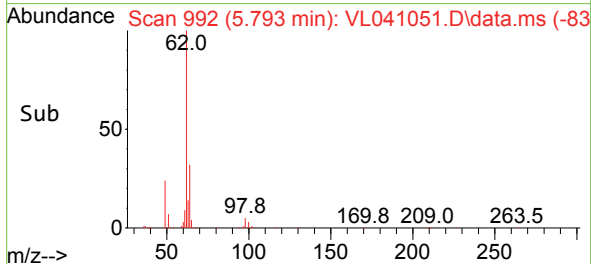
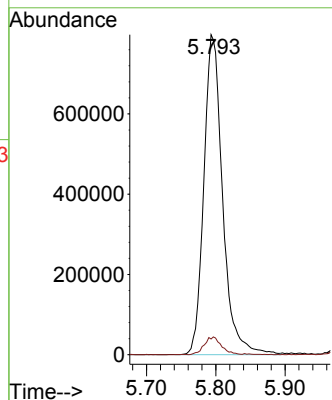
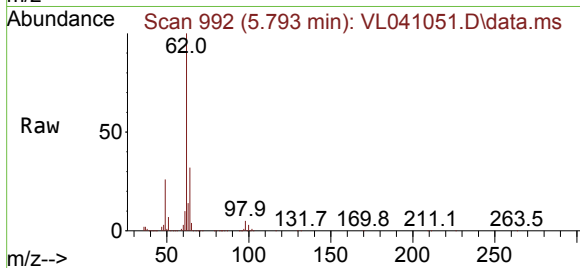
ClientSampleId :

Tgt Ion: 62 Resp: 1497590

Ion Ratio Lower Upper

62 100

98 5.3 4.7 7.1



#38

Trichloroethene

Concen: 9.630 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Tgt Ion:130 Resp: 935232

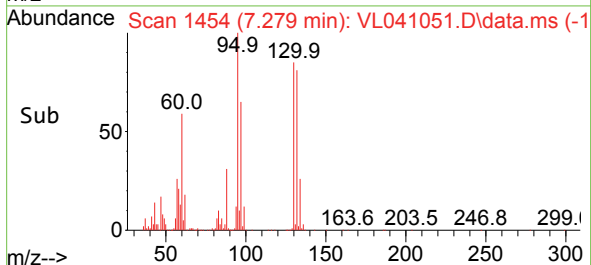
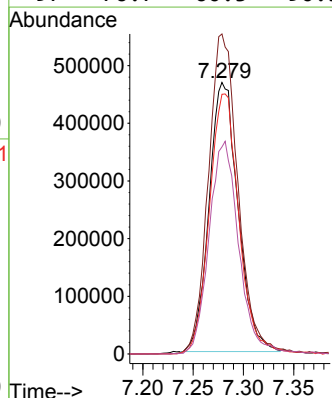
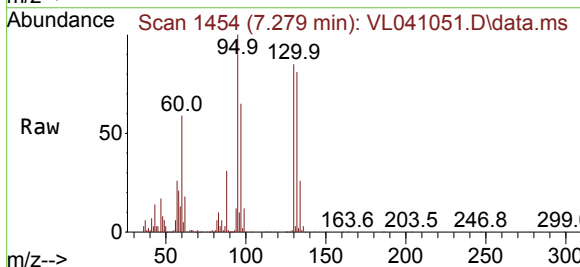
Ion Ratio Lower Upper

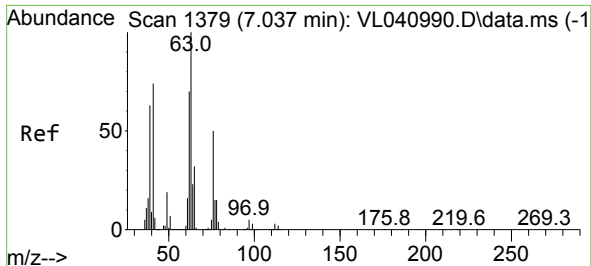
130 100

95 118.5 92.9 139.3

132 96.2 76.2 114.2

97 76.7 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.930 ppbv

RT: 7.060 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

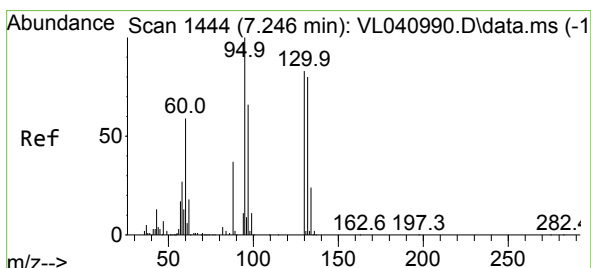
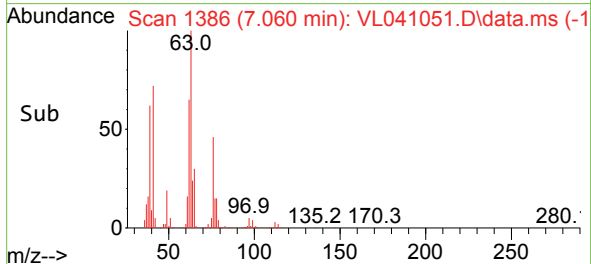
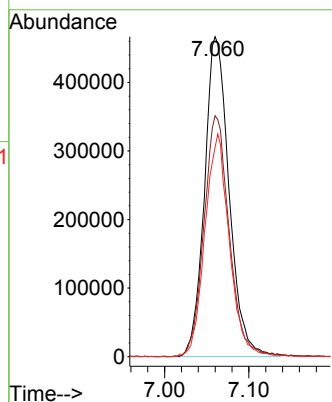
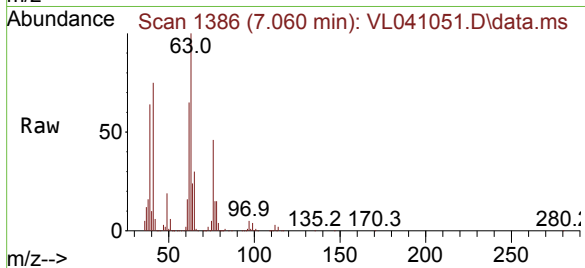
Tgt Ion: 63 Resp: 947683

Ion Ratio Lower Upper

63 100

41 75.0 59.6 89.4

62 64.7 55.6 83.4



#40

1,4-Dioxane

Concen: 10.161 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. -0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Tgt Ion: 88 Resp: 402756

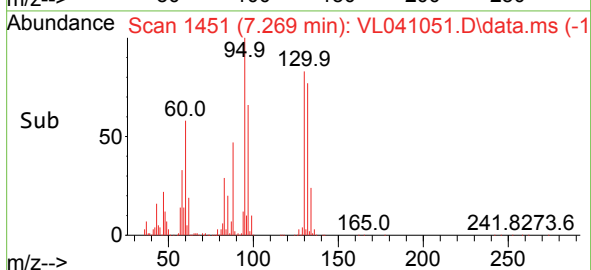
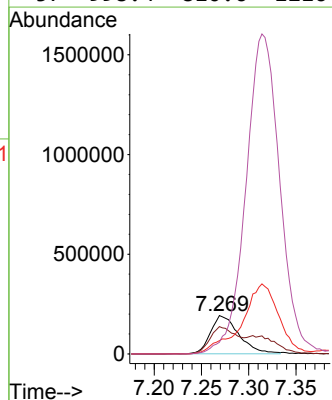
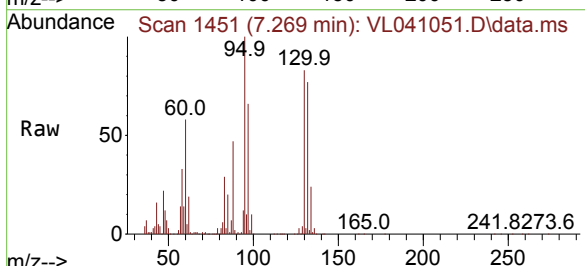
Ion Ratio Lower Upper

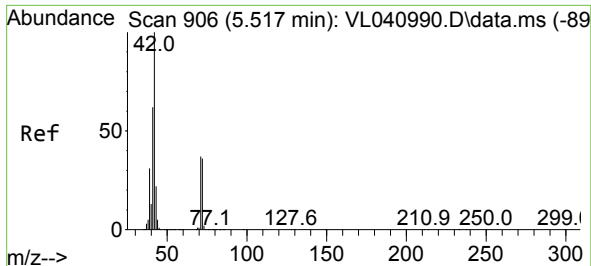
88 100

58 117.4 96.6 144.8

43 236.8 191.0 286.6

57 998.4 810.6 1216.0





#41

Tetrahydrofuran

Concen: 10.319 ppbv

RT: 5.542 min Scan# 914

Delta R.T. 0.003 min

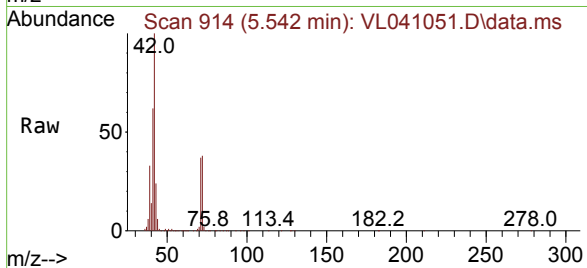
Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :



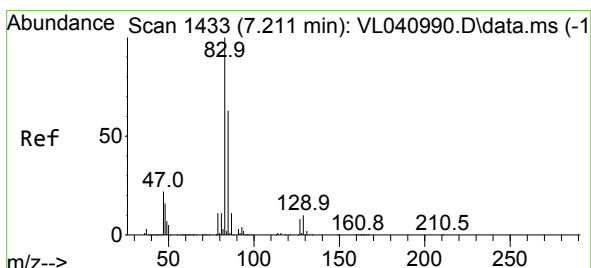
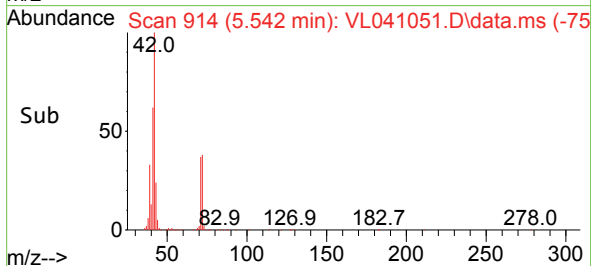
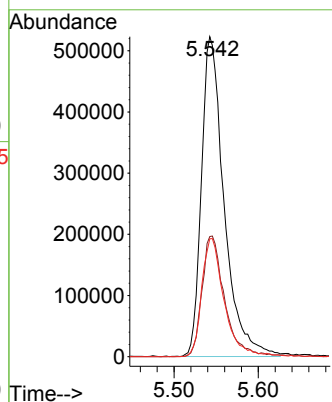
Tgt Ion: 42 Resp: 979093

Ion Ratio Lower Upper

42 100

72 38.0 30.0 45.0

71 36.9 29.5 44.3



#42

Bromodichloromethane

Concen: 10.230 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

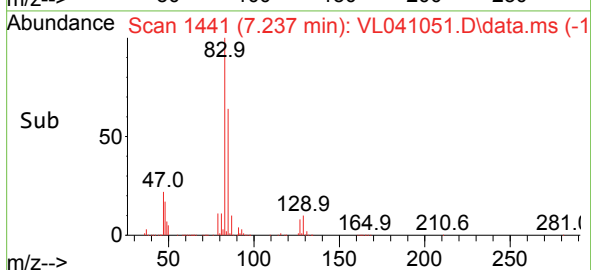
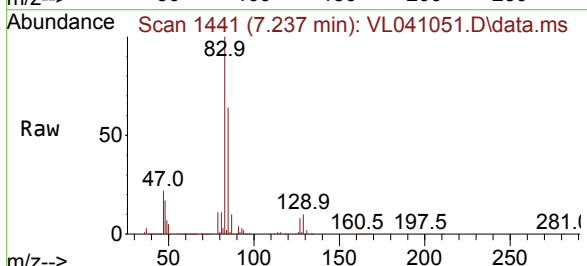
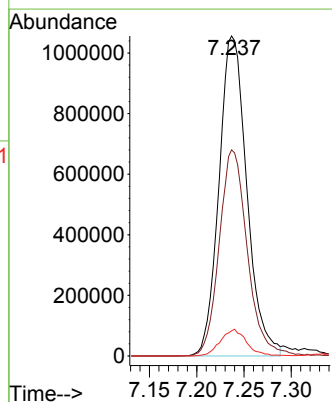
Tgt Ion: 83 Resp: 2163820

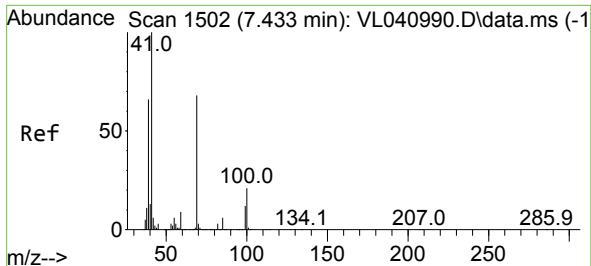
Ion Ratio Lower Upper

83 100

85 64.4 50.5 75.7

127 7.9 6.4 9.6



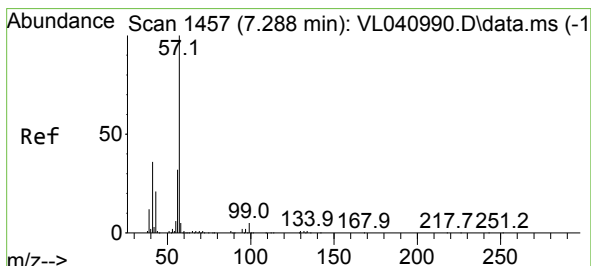
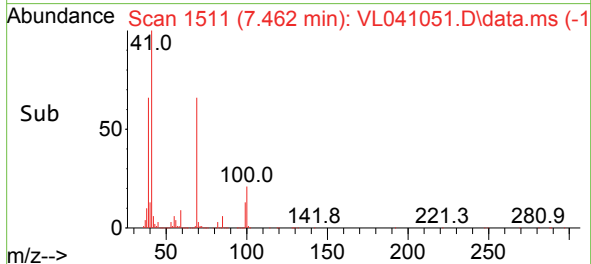
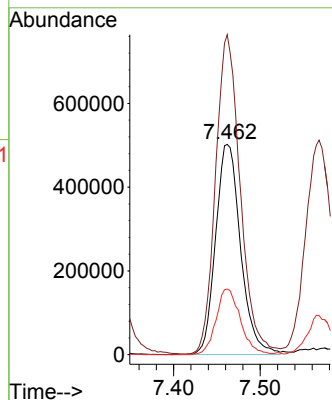
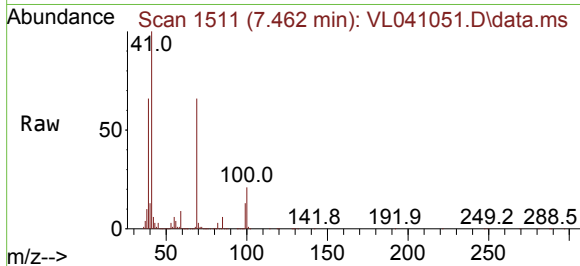


#43
Methyl Methacrylate
Concen: 10.751 ppbv
RT: 7.462 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 1005016

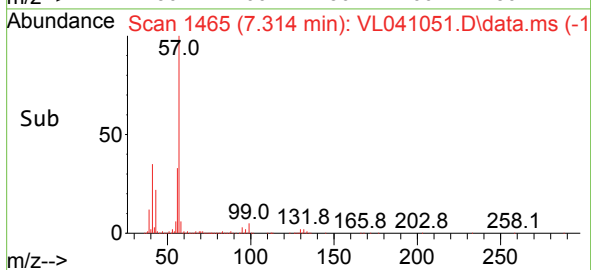
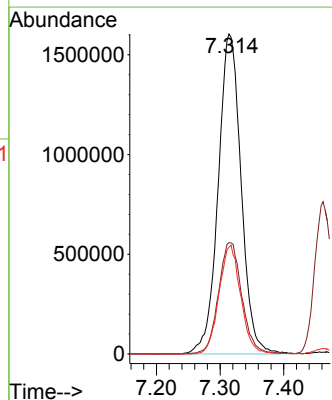
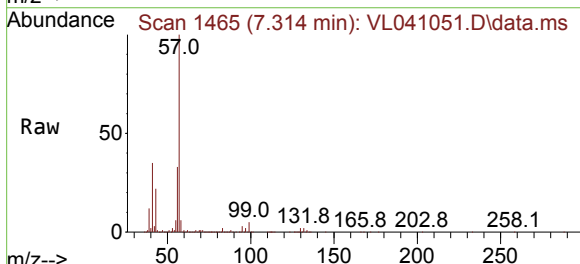
Ion	Ratio	Lower	Upper
69	100		
41	150.5	120.2	180.2
100	30.8	24.6	36.8

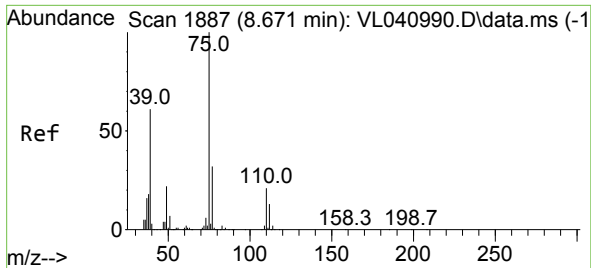


#44
2,2,4-Trimethylpentane
Concen: 9.834 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 57 Resp: 4008536

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.6	43.0
56	32.3	25.2	37.8

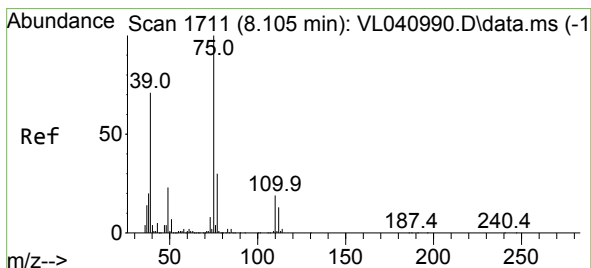
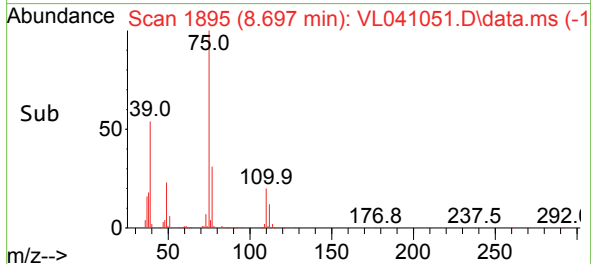
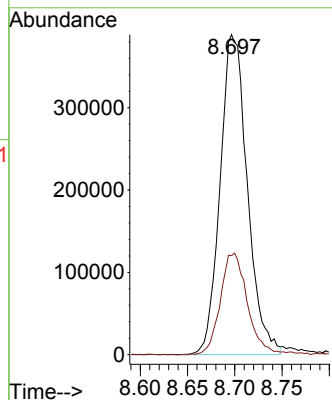
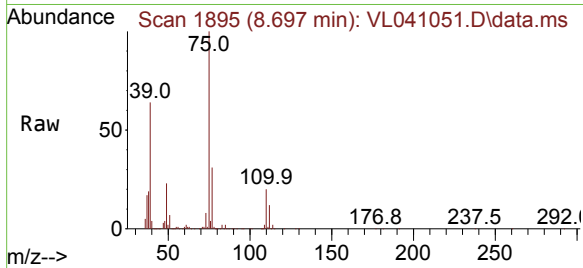




#45
 t-1,3-Dichloropropene
 Concen: 12.219 ppbv
 RT: 8.697 min Scan# 1887
 Delta R.T. 0.000 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

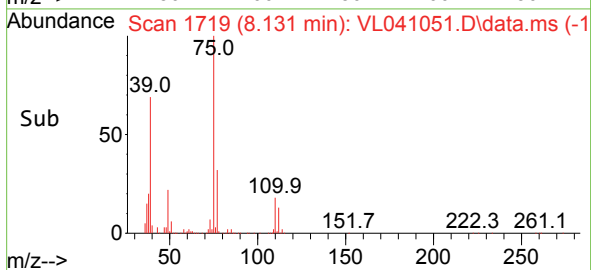
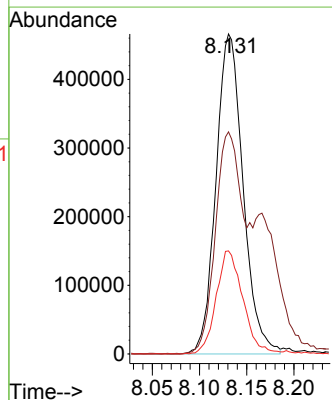
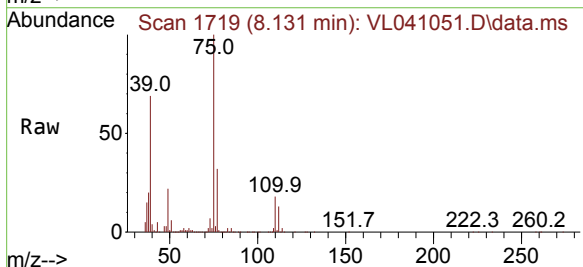
Instrument :
 MSVOA_L
 ClientSampleId :

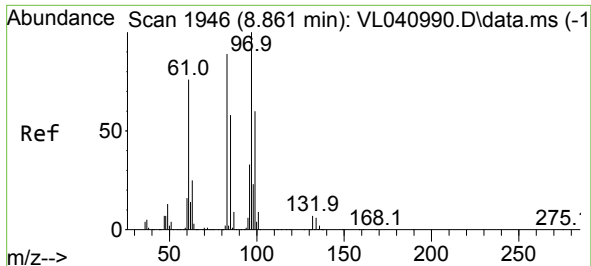
Tgt Ion: 75 Resp: 780448
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 11.673 ppbv
 RT: 8.131 min Scan# 1719
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 75 Resp: 929842
 Ion Ratio Lower Upper
 75 100
 39 69.3 57.3 85.9
 77 32.2 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 10.129 ppbv

RT: 8.886 min Scan# 1946

Delta R.T. 0.000 min

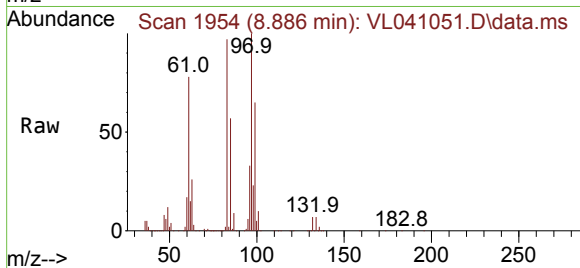
Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 1041944

Ion	Ratio	Lower	Upper
97	100		
83	97.2	71.5	107.3
85	56.8	46.1	69.1
99	65.4	47.8	71.8

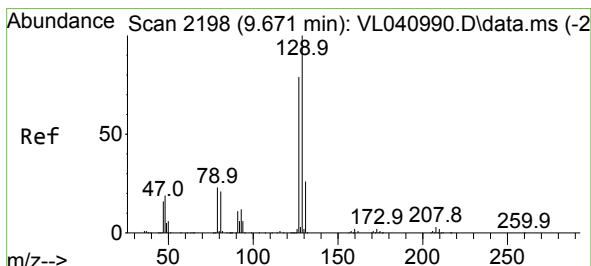
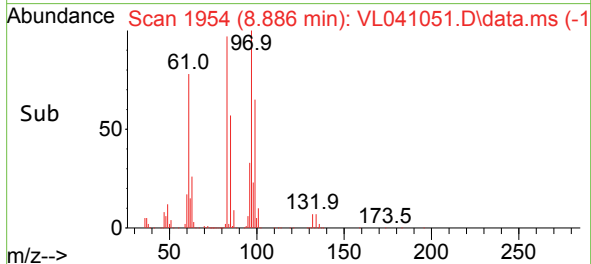
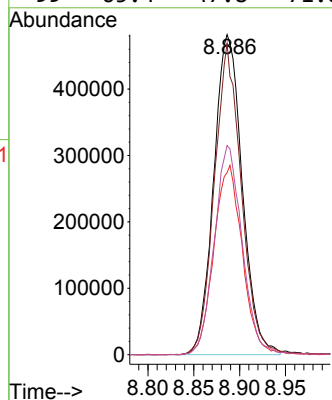
Ion Ratio Lower Upper

97 100

83 97.2 71.5 107.3

85 56.8 46.1 69.1

99 65.4 47.8 71.8



#48

Dibromochloromethane

Concen: 10.559 ppbv

RT: 9.697 min Scan# 2206

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

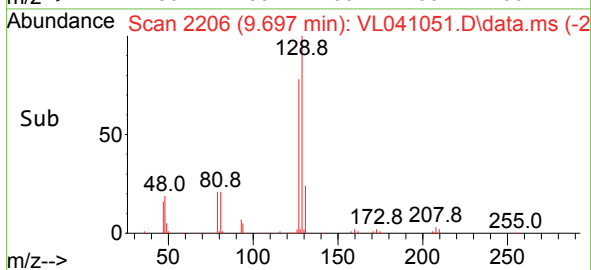
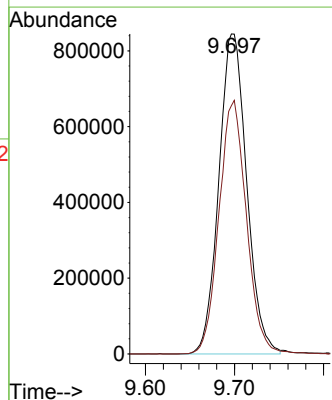
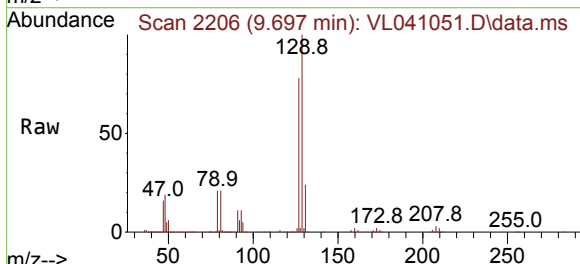
Tgt Ion: 129 Resp: 1836351

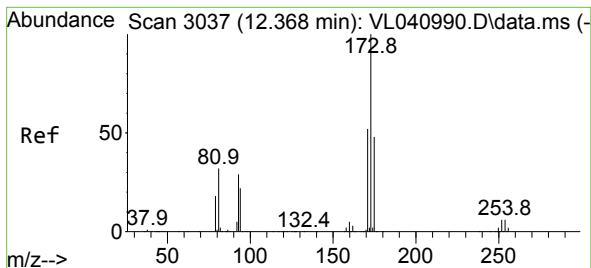
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.6	119.0

Ion Ratio Lower Upper

129 100

127 78.3 39.6 119.0





#49

Bromoform

Concen: 11.200 ppbv

RT: 12.397 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

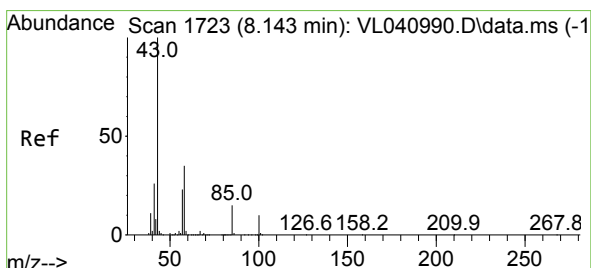
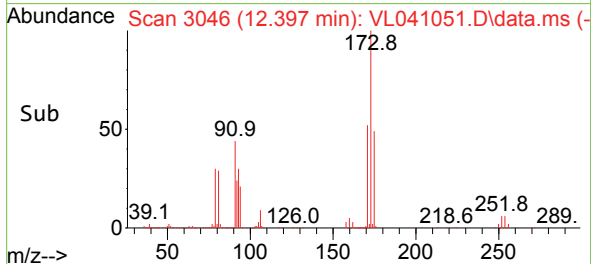
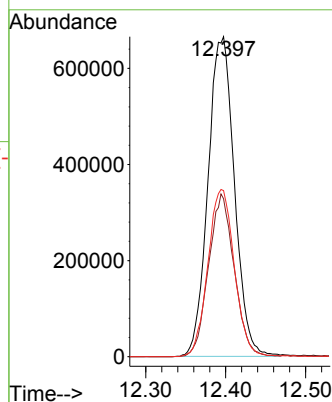
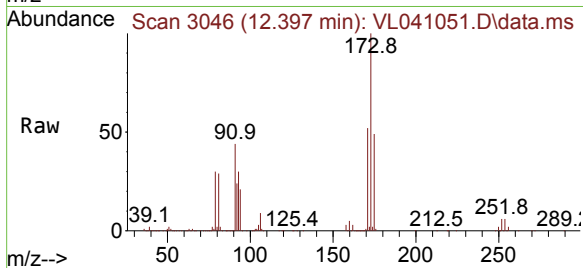
Tgt Ion:173 Resp: 1527858

Ion Ratio Lower Upper

173 100

175 49.8 39.0 58.4

171 52.7 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.534 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. 0.000 min

Lab File: VL041051.D

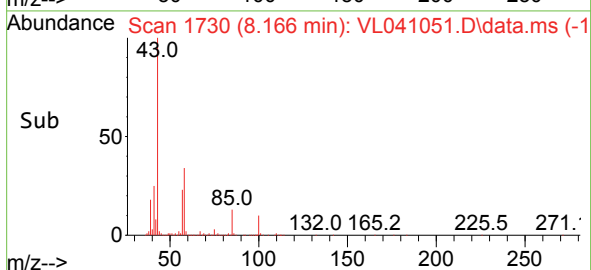
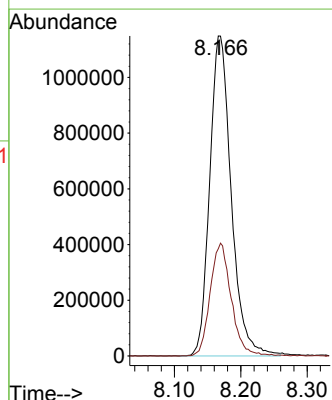
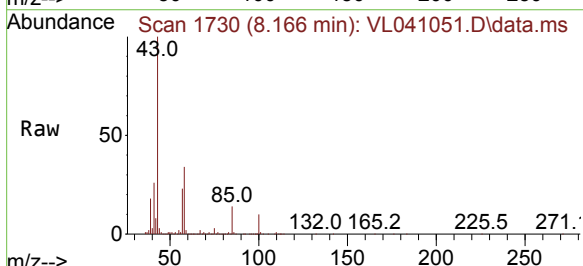
Acq: 9 Feb 2024 10:28

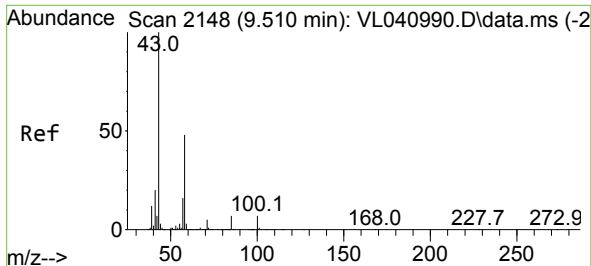
Tgt Ion: 43 Resp: 2592422

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.8

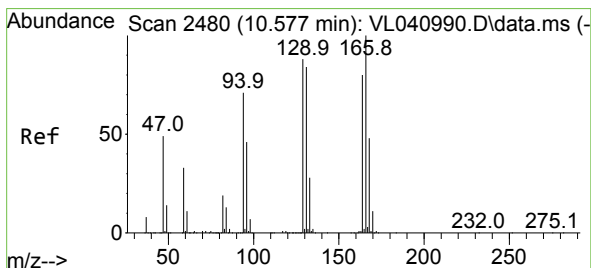
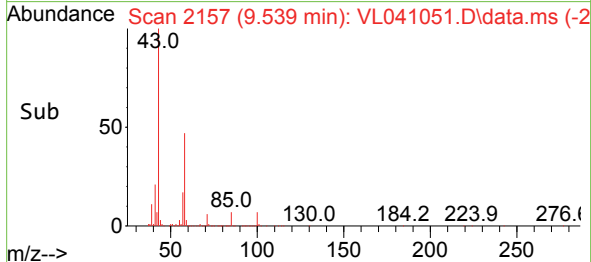
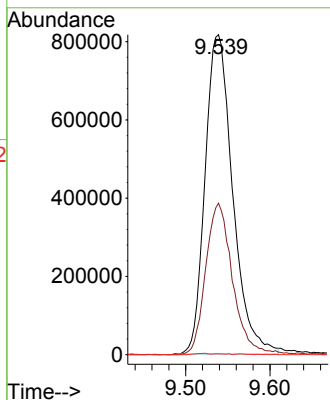
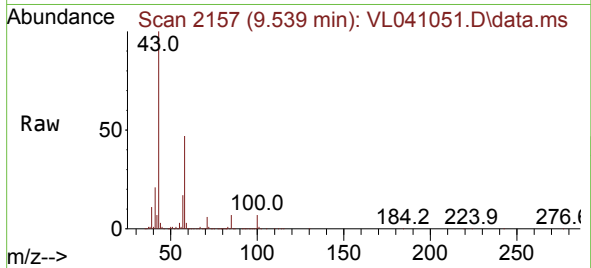




#51
2-Hexanone
Concen: 10.480 ppbv
RT: 9.539 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

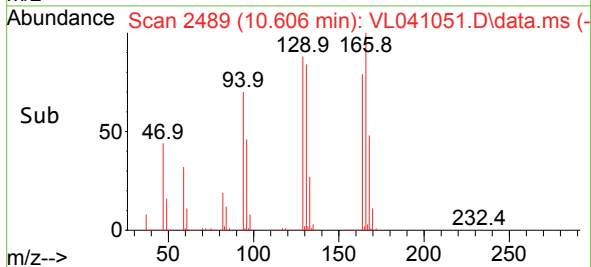
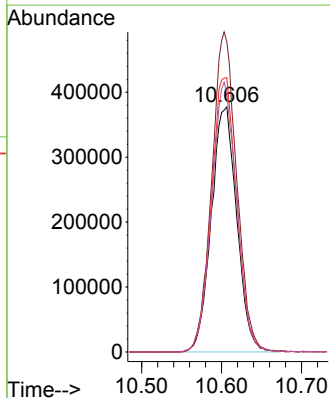
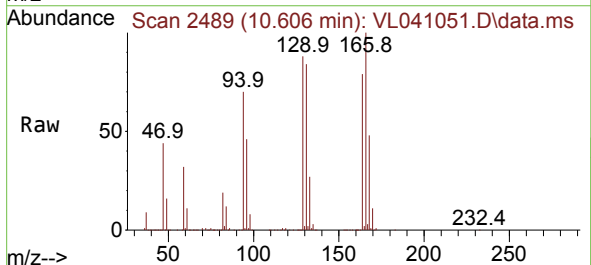
Instrument :
MSVOA_L
ClientSampleId :

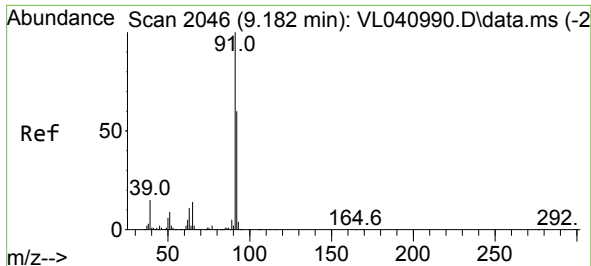
Tgt Ion: 43 Resp: 1859105
Ion Ratio Lower Upper
43 100
58 46.6 36.8 55.2
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 10.366 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 164 Resp: 833914
Ion Ratio Lower Upper
164 100
166 126.6 100.2 150.2
129 111.8 87.9 131.9
131 105.8 84.0 126.0

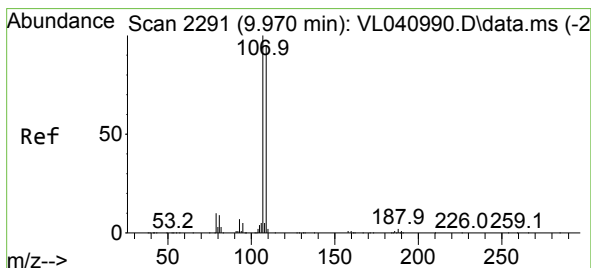
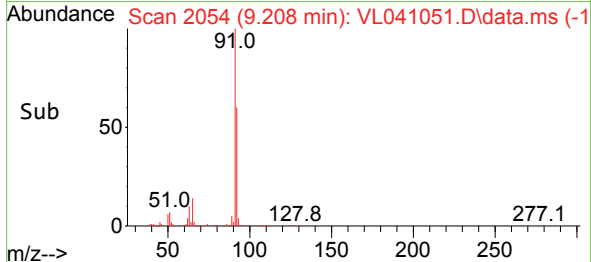
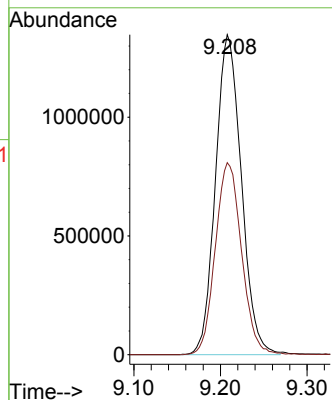
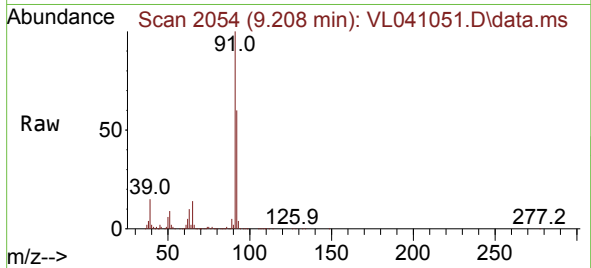




#53
Toluene
Concen: 10.545 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

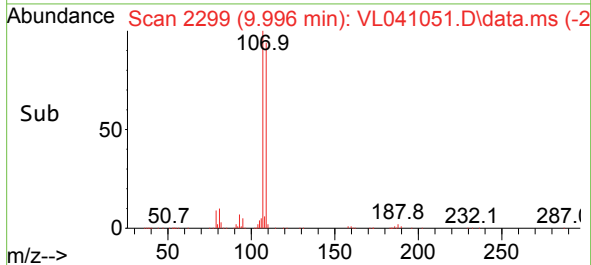
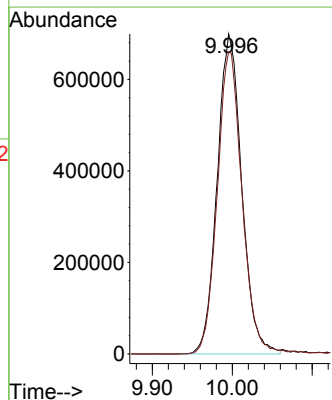
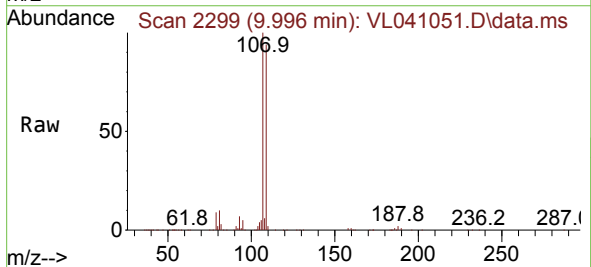
Instrument :
MSVOA_L
ClientSampleId :

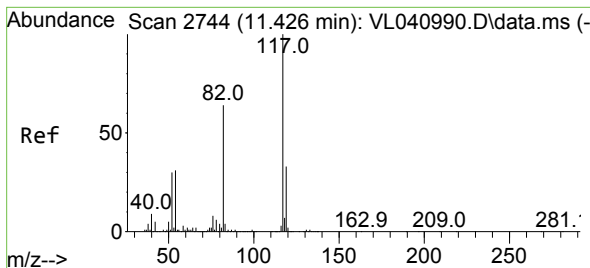
Tgt Ion: 91 Resp: 2798383
Ion Ratio Lower Upper
91 100
92 61.1 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.700 ppbv
RT: 9.996 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 107 Resp: 1490612
Ion Ratio Lower Upper
107 100
109 94.4 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

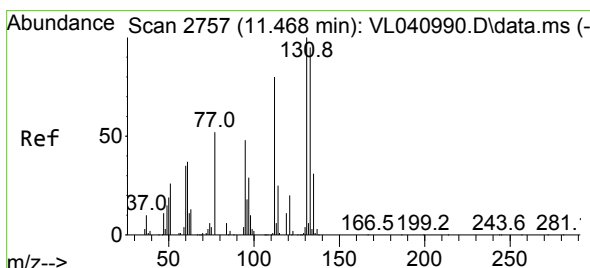
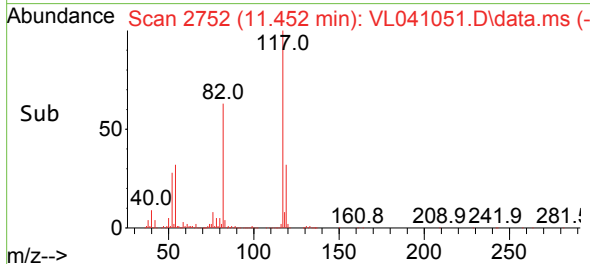
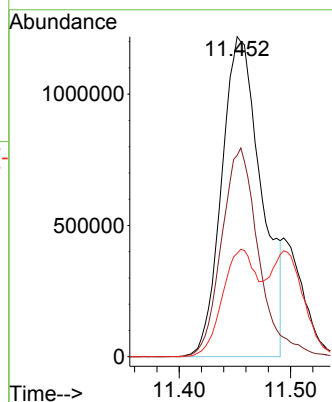
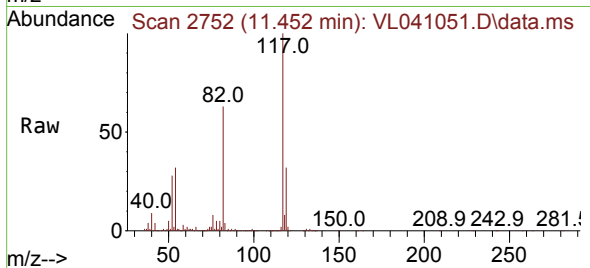
Tgt Ion:117 Resp: 3015070

Ion Ratio Lower Upper

117 100

82 61.3 51.7 77.5

119 29.6 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 9.308 ppbv

RT: 11.500 min Scan# 2767

Delta R.T. 0.006 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

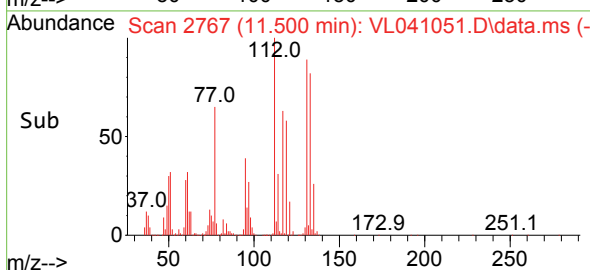
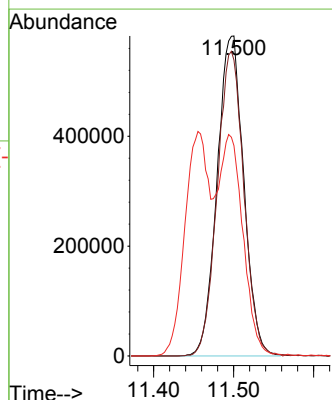
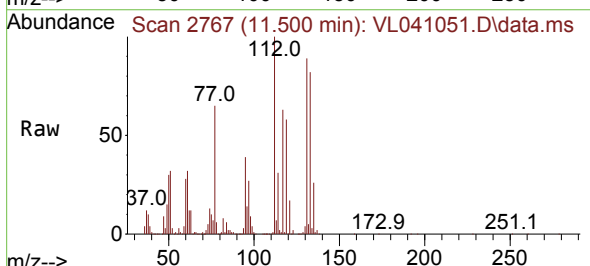
Tgt Ion:131 Resp: 1346458

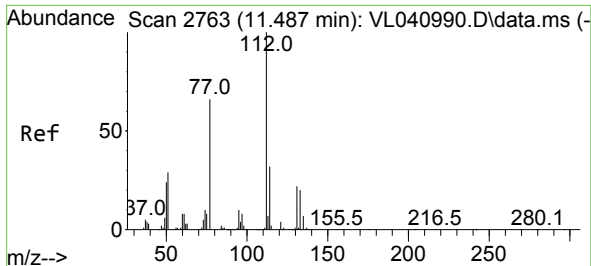
Ion Ratio Lower Upper

131 100

133 95.3 75.9 113.9

119 60.3 49.2 73.8





#57

Chlorobenzene

Concen: 9.017 ppbv

RT: 11.516 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

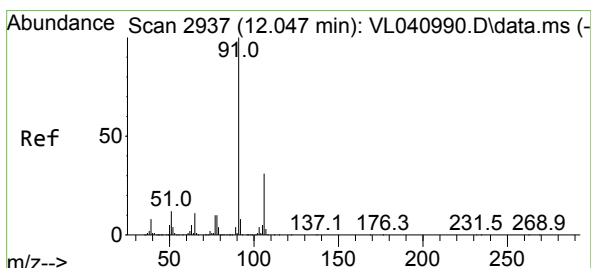
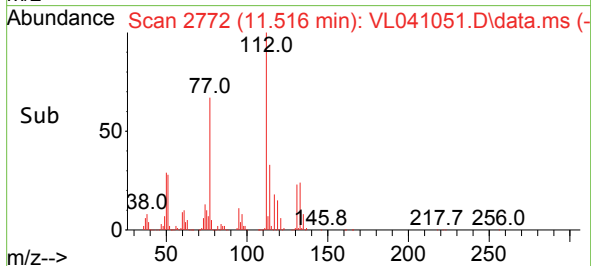
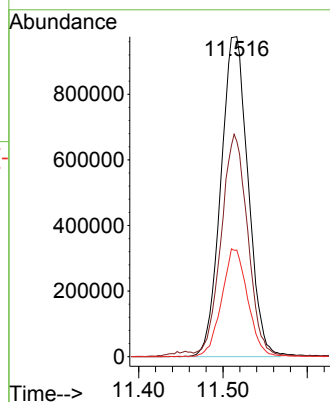
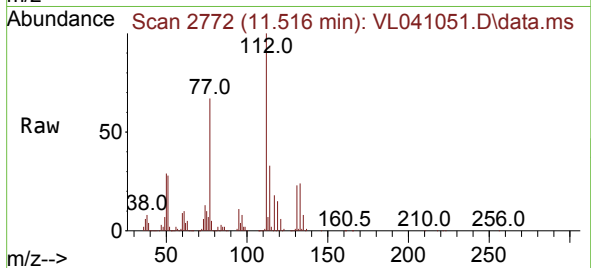
Tgt Ion:112 Resp: 2186803

Ion Ratio Lower Upper

112 100

77 66.6 53.4 80.0

114 33.2 29.1 35.5



#58

Ethyl Benzene

Concen: 9.488 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041051.D

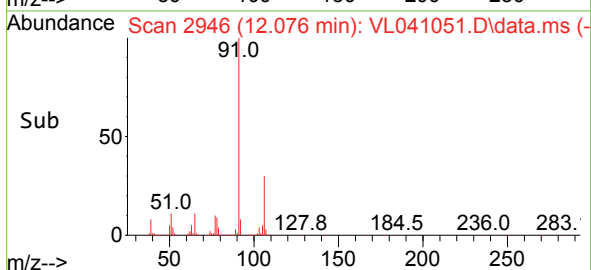
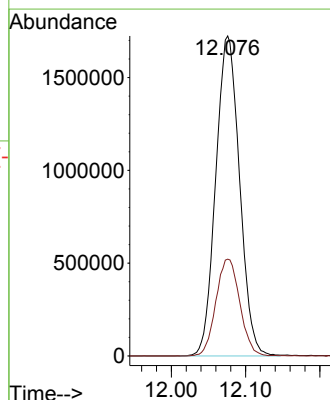
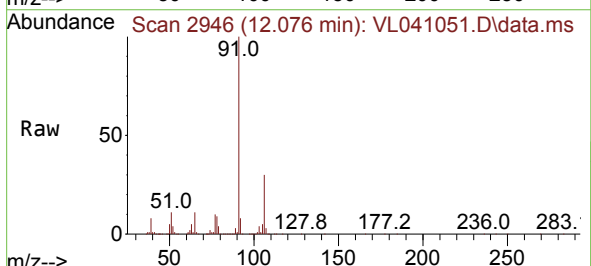
Acq: 9 Feb 2024 10:28

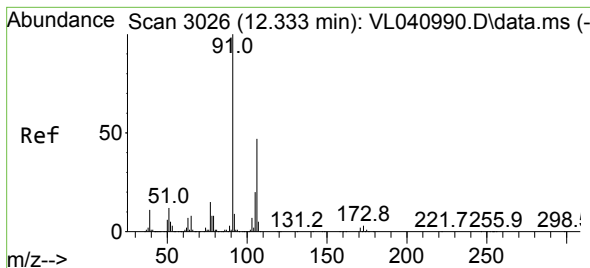
Tgt Ion: 91 Resp: 3841342

Ion Ratio Lower Upper

91 100

106 30.2 24.8 37.2





#59

m/p-Xylene

Concen: 9.883 ppbv

RT: 12.359 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

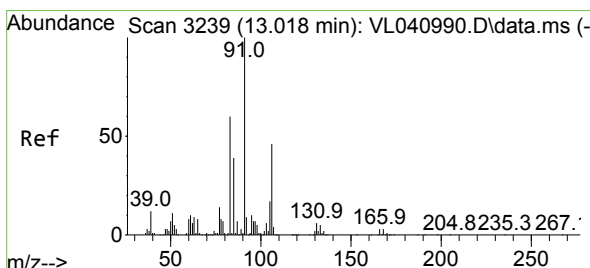
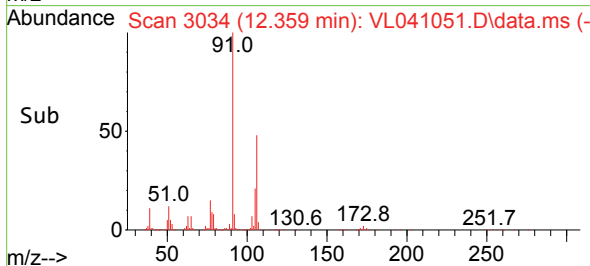
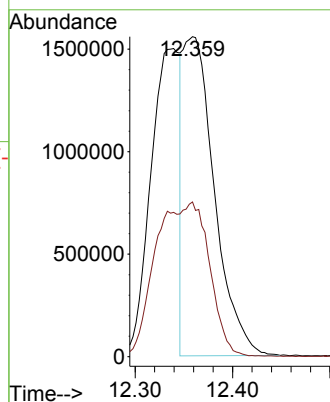
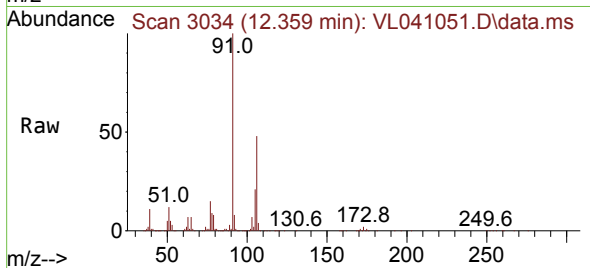
ClientSampleId :

Tgt Ion: 91 Resp: 3488937

Ion Ratio Lower Upper

91 100

106 83.2 34.9 52.3#



#60

o-Xylene

Concen: 9.429 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.003 min

Lab File: VL041051.D

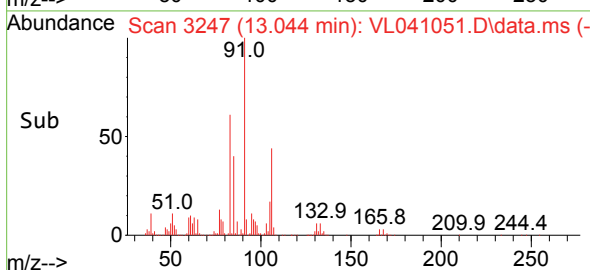
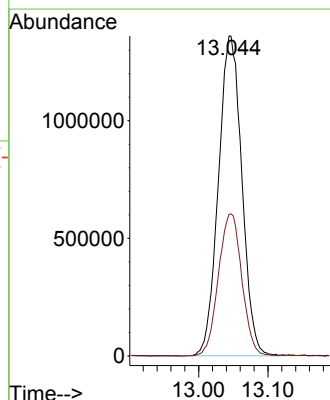
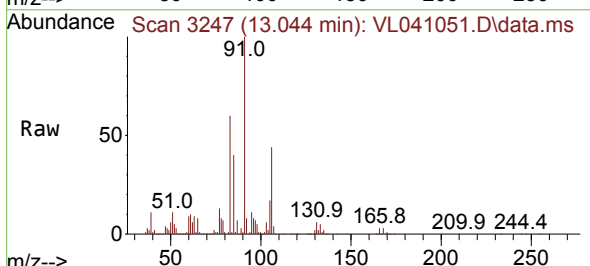
Acq: 9 Feb 2024 10:28

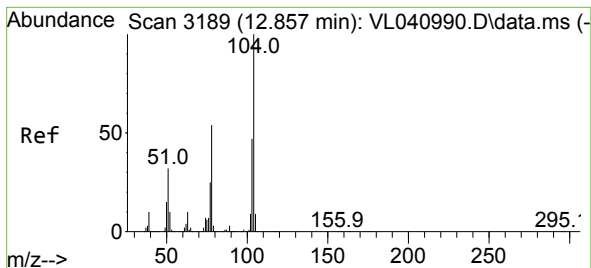
Tgt Ion: 91 Resp: 3193376

Ion Ratio Lower Upper

91 100

106 44.6 22.6 67.7





#61

Styrene

Concen: 10.420 ppbv

RT: 12.883 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

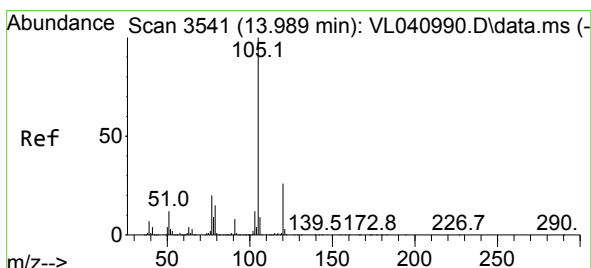
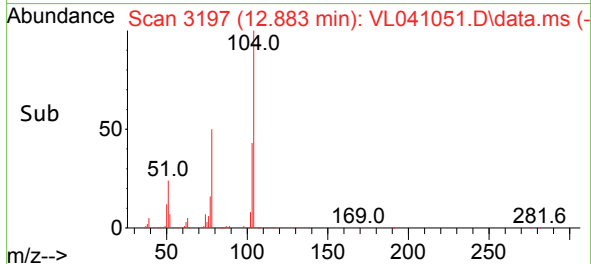
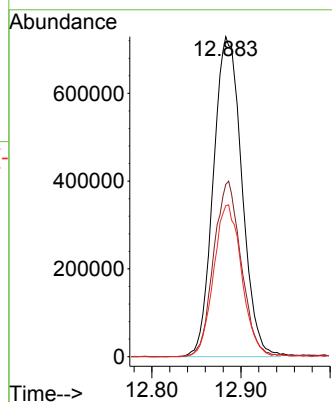
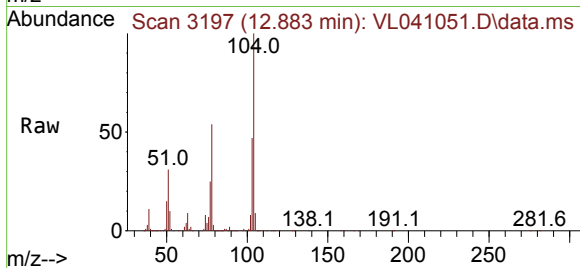
Tgt Ion:104 Resp: 1620572

Ion Ratio Lower Upper

104 100

78 53.3 42.7 64.1

103 47.1 37.6 56.4



#62

Isopropylbenzene

Concen: 9.213 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.003 min

Lab File: VL041051.D

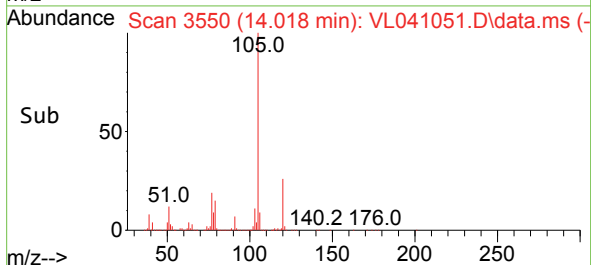
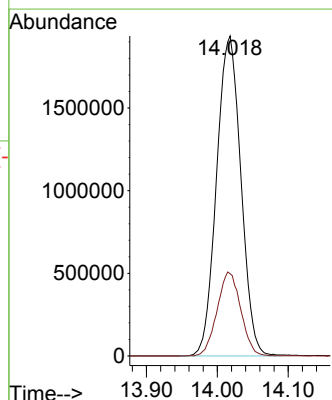
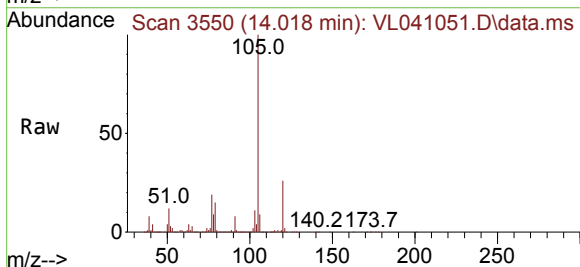
Acq: 9 Feb 2024 10:28

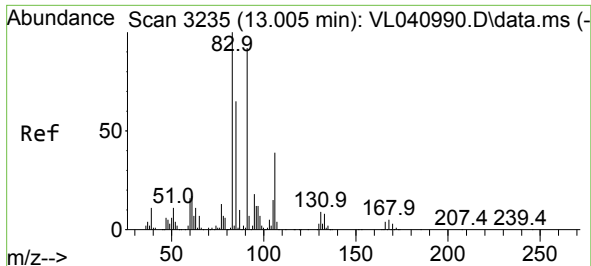
Tgt Ion:105 Resp: 4614834

Ion Ratio Lower Upper

105 100

120 25.5 20.9 31.3

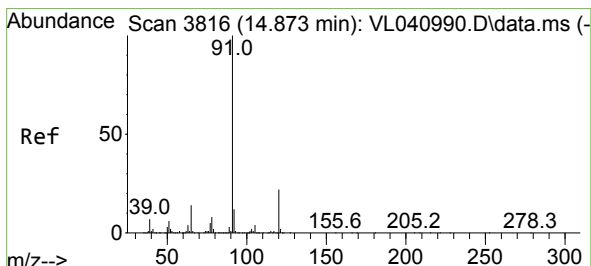
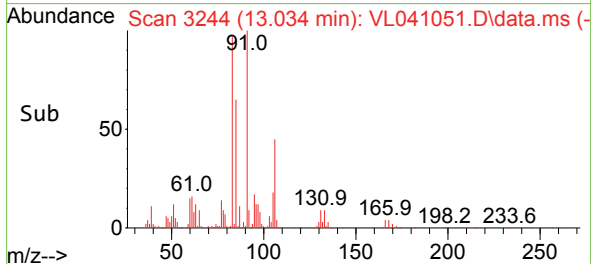
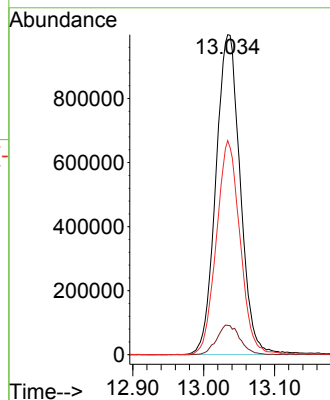
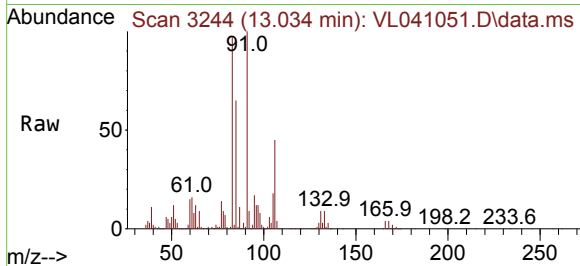




#63
1,1,2,2-Tetrachloroethane
Concen: 9.032 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

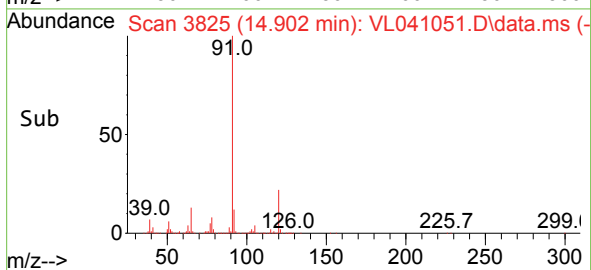
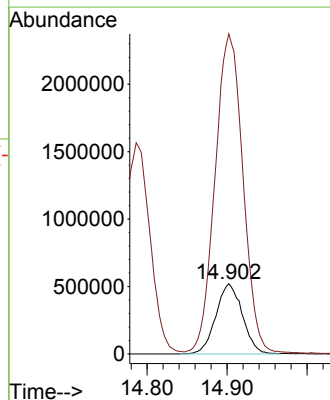
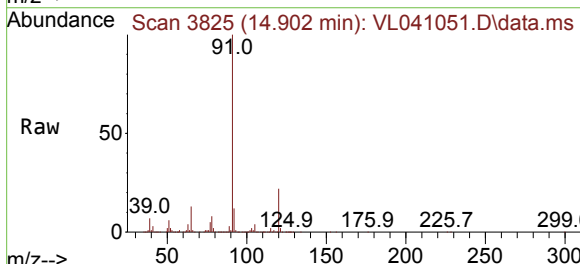
Instrument :
MSVOA_L
ClientSampleId :

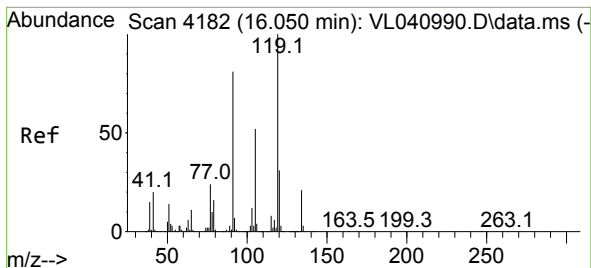
Tgt Ion: 83 Resp: 2377536
Ion Ratio Lower Upper
83 100
131 9.0 4.6 13.8
85 65.3 33.0 99.0



#64
n-propylbenzene
Concen: 9.465 ppbv
RT: 14.902 min Scan# 3825
Delta R.T. -0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion:120 Resp: 1197756
Ion Ratio Lower Upper
120 100
91 483.7 390.6 585.8





#65

tert-Butylbenzene

Concen: 9.222 ppbv

RT: 16.076 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

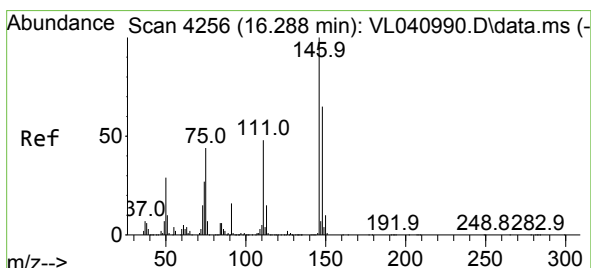
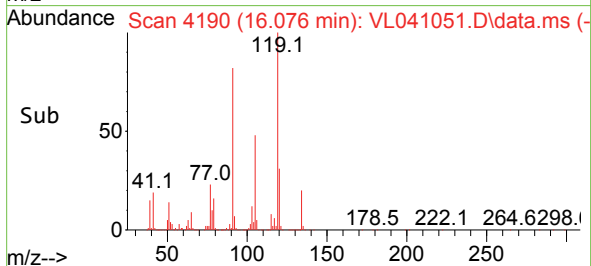
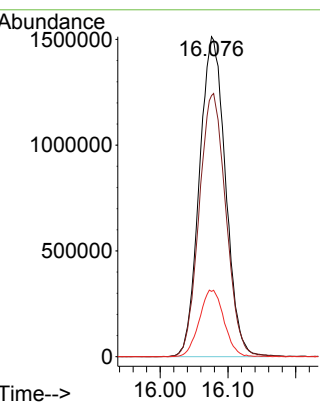
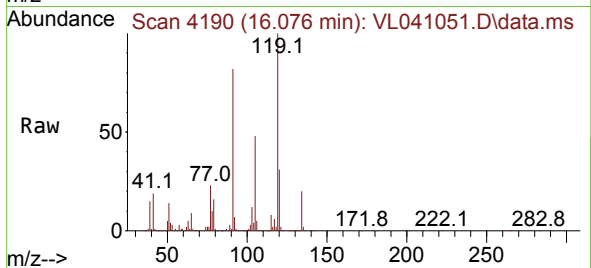
Tgt Ion:119 Resp: 4035749

Ion Ratio Lower Upper

119 100

91 84.5 67.6 101.4

134 19.9 16.1 24.1



#66

Benzyl Chloride

Concen: 10.382 ppbv

RT: 16.314 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

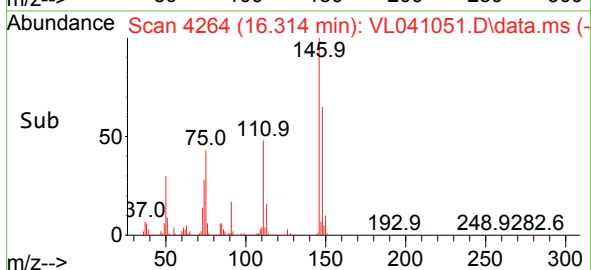
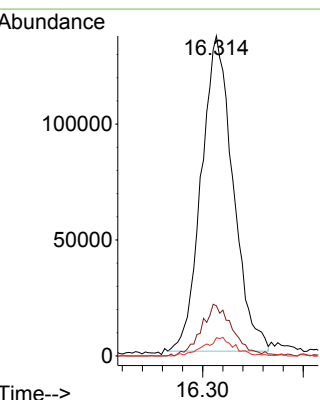
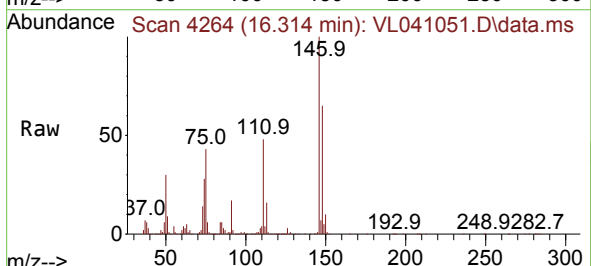
Tgt Ion: 91 Resp: 297739

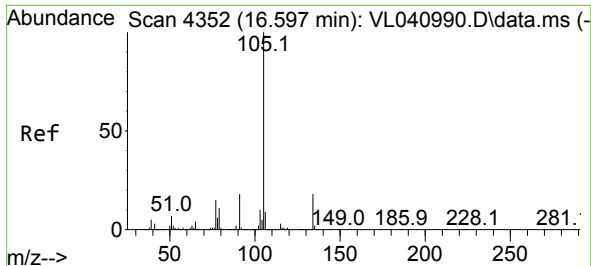
Ion Ratio Lower Upper

91 100

126 16.6 13.6 20.4

128 5.7 4.2 6.2

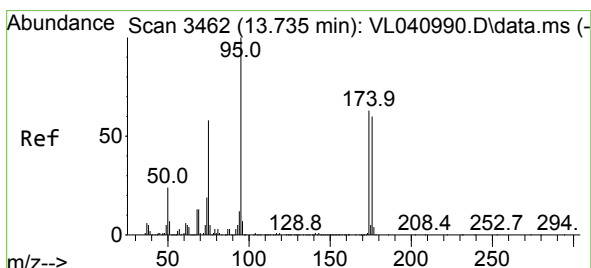
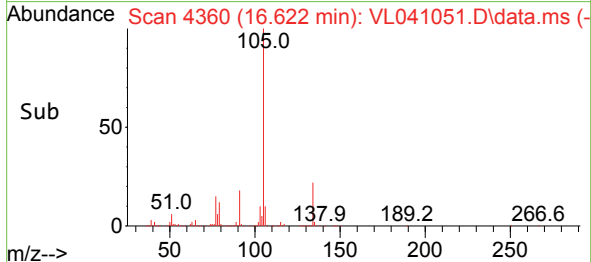
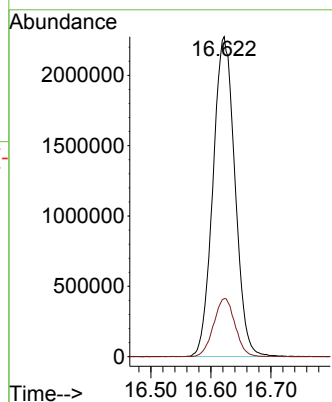
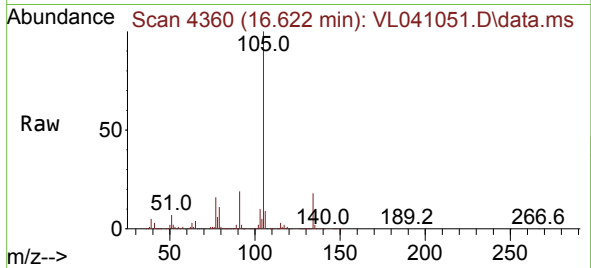




#67
 sec-Butylbenzene
 Concen: 9.055 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

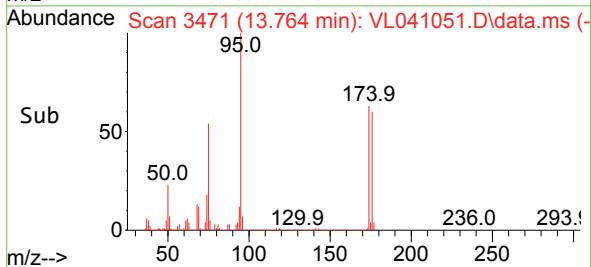
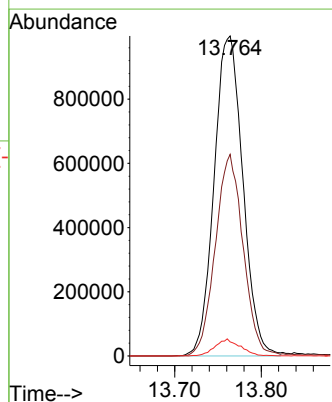
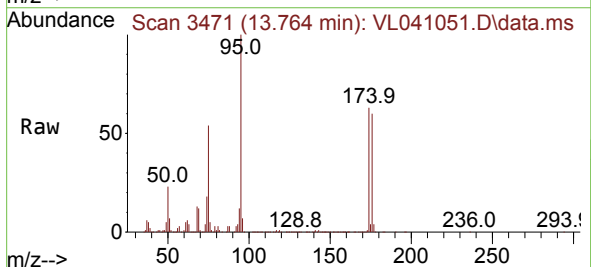
Instrument :
 MSVOA_L
 ClientSampleId :

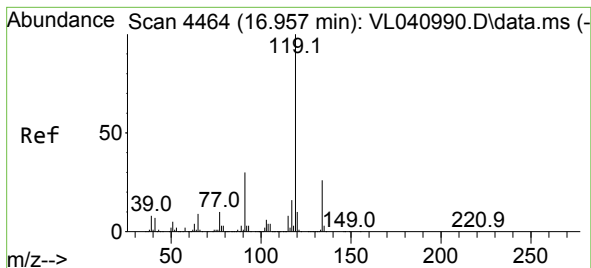
Tgt Ion:105 Resp: 5769974
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.092 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.003 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Tgt Ion: 95 Resp: 2298232
 Ion Ratio Lower Upper
 95 100
 174 61.7 49.1 73.7
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.361 ppbv

RT: 16.982 min Scan# 4464

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

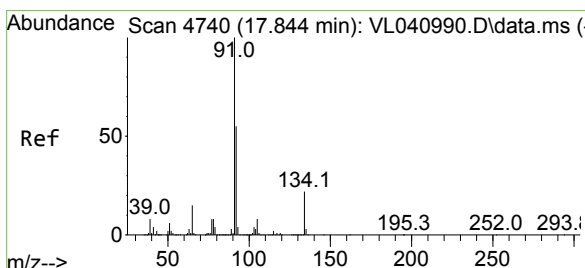
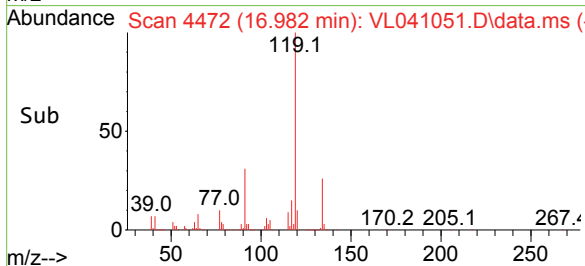
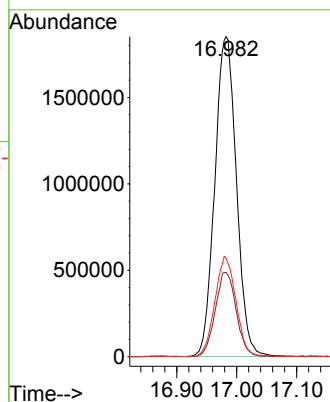
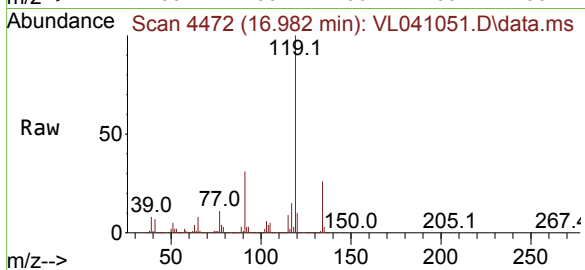
Tgt Ion:119 Resp: 4620620

Ion Ratio Lower Upper

119 100

134 25.8 20.6 30.8

91 30.4 24.5 36.7



#70

n-Butylbenzene

Concen: 9.266 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

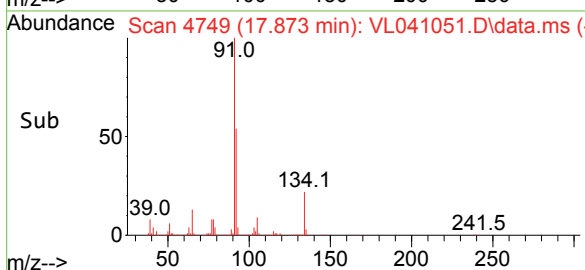
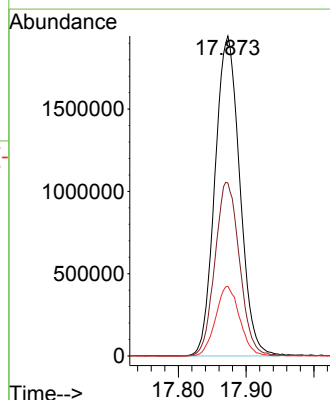
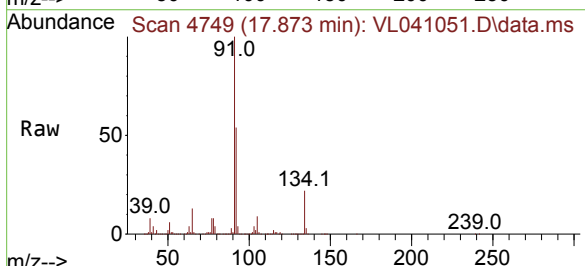
Tgt Ion: 91 Resp: 4942219

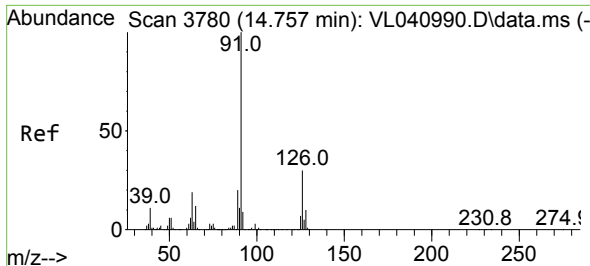
Ion Ratio Lower Upper

91 100

92 54.0 43.4 65.0

134 21.3 17.4 26.0

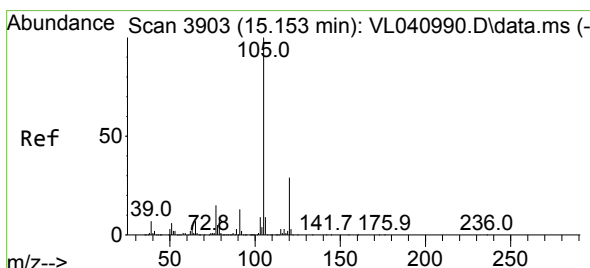
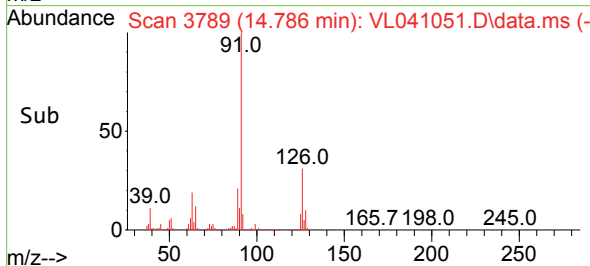
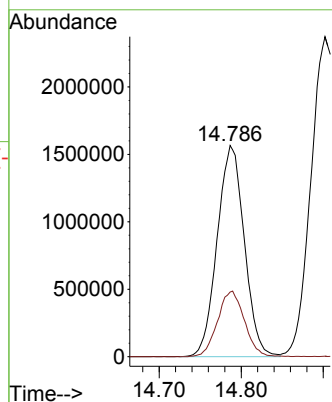
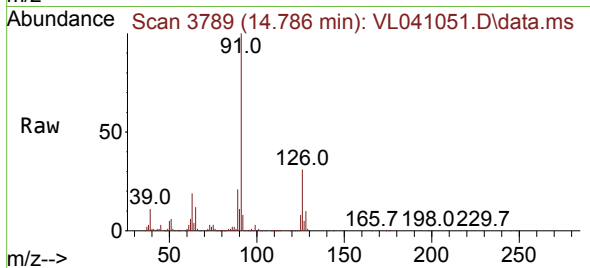




#71
2-Chlorotoluene
Concen: 9.319 ppbv
RT: 14.786 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

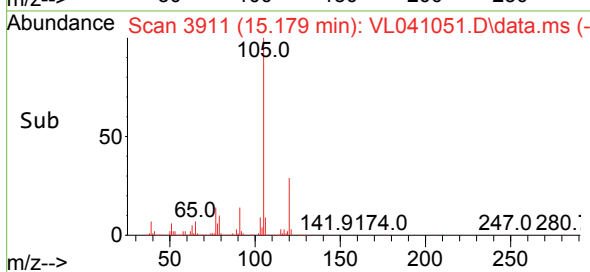
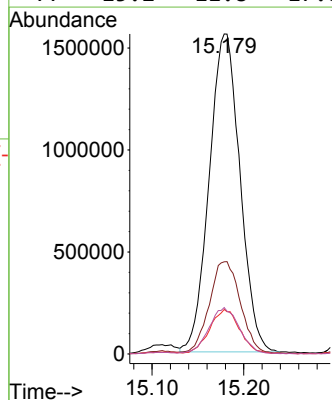
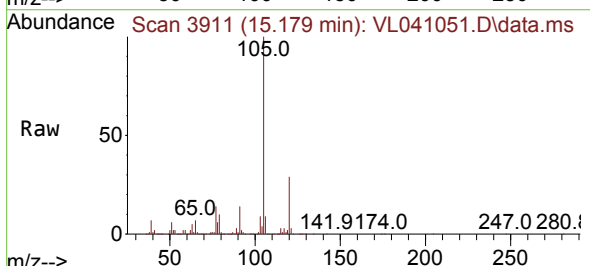
Instrument :
MSVOA_L
ClientSampleId :

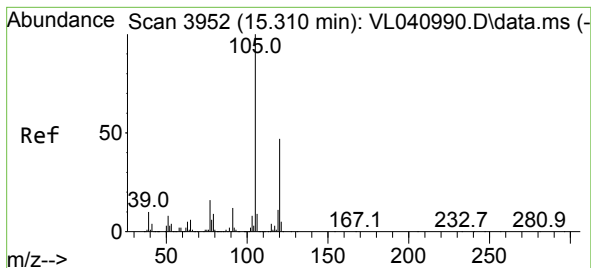
Tgt Ion: 91 Resp: 3601606
Ion Ratio Lower Upper
91 100
126 30.8 12.3 49.1



#72
4-Ethyltoluene
Concen: 9.595 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.000 min
Lab File: VL041051.D
Acq: 9 Feb 2024 10:28

Tgt Ion: 105 Resp: 3629260
Ion Ratio Lower Upper
105 100
120 29.8 24.3 36.5
91 13.8 11.0 16.4
77 15.2 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 9.465 ppbv

RT: 15.336 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

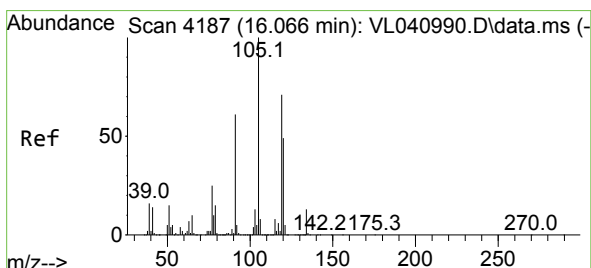
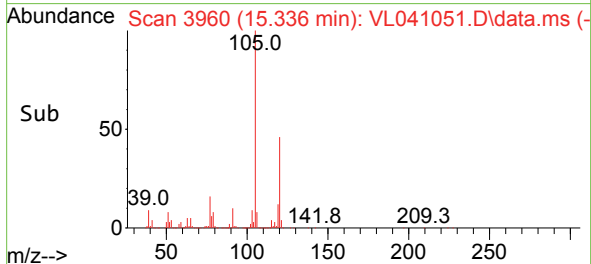
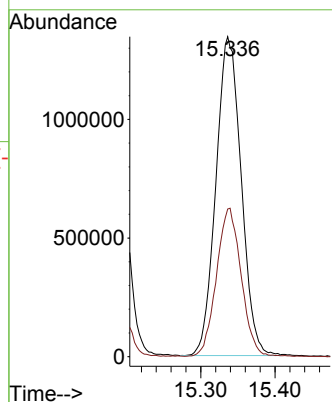
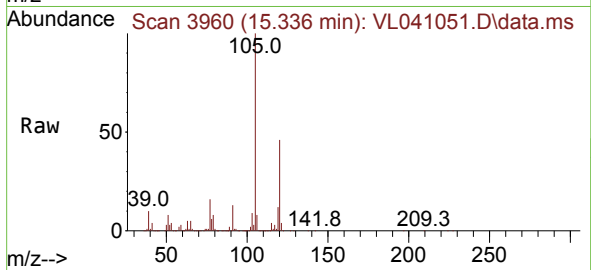
ClientSampleId :

Tgt Ion:105 Resp: 3177452

Ion Ratio Lower Upper

105 100

120 46.1 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.178 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Tgt Ion:105 Resp: 3492671

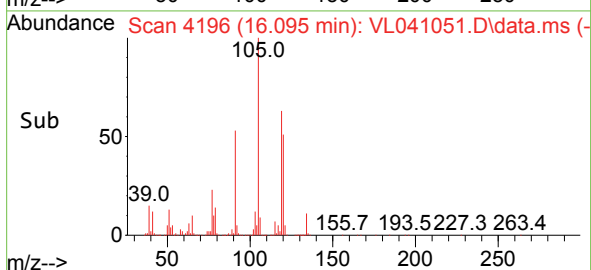
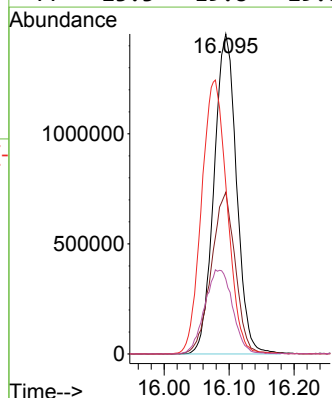
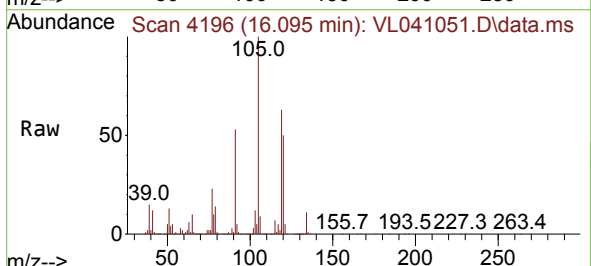
Ion Ratio Lower Upper

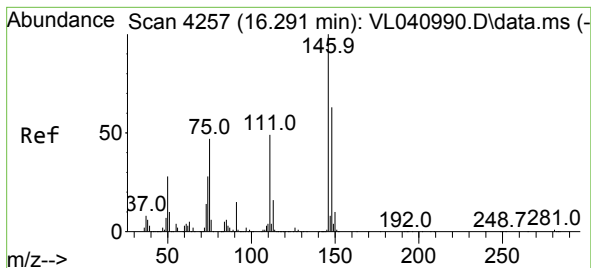
105 100

120 50.4 39.3 58.9

91 52.9 48.7 73.1

77 23.3 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 9.344 ppbv

RT: 16.317 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

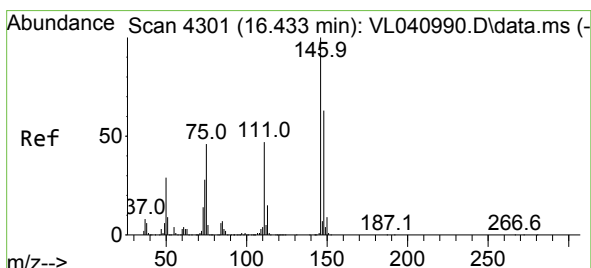
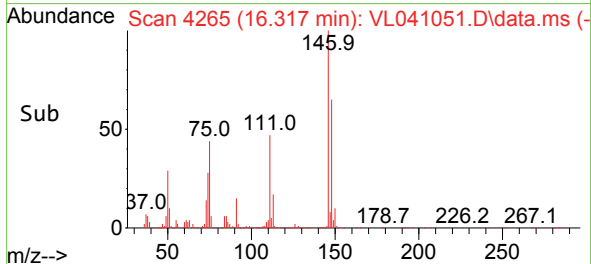
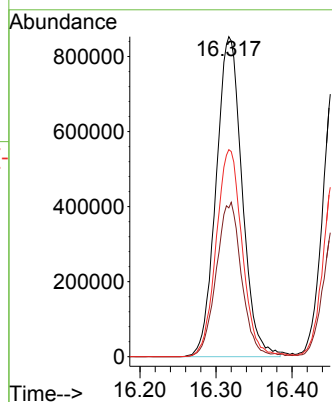
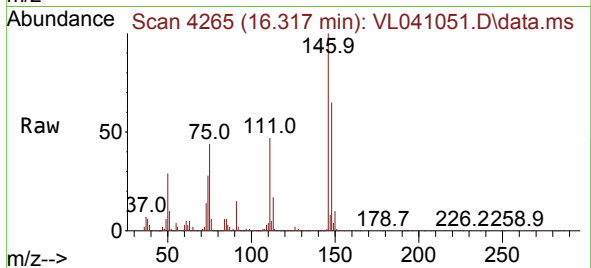
Tgt Ion:146 Resp: 2023782

Ion Ratio Lower Upper

146 100

111 47.5 24.4 73.2

148 65.0 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 9.255 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

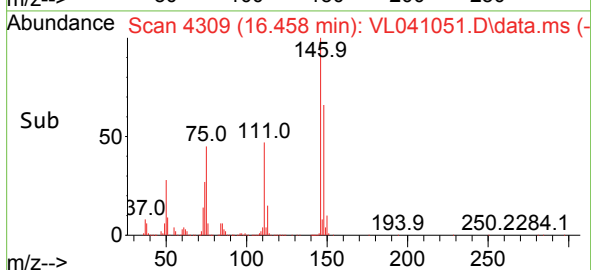
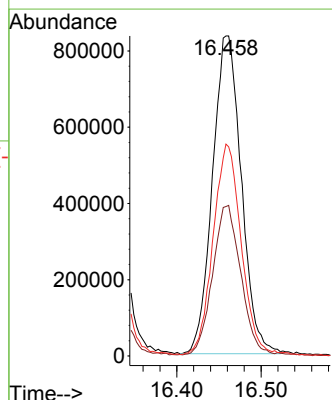
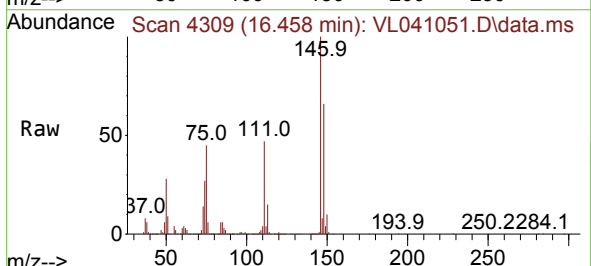
Tgt Ion:146 Resp: 1978019

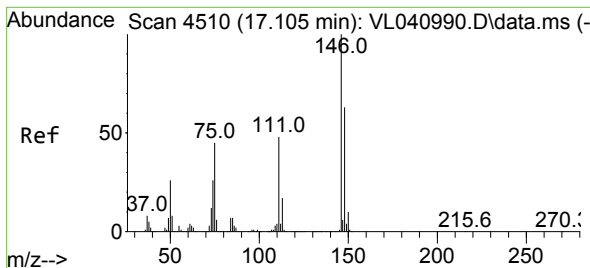
Ion Ratio Lower Upper

146 100

111 47.3 24.0 72.0

148 66.0 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.022 ppbv

RT: 17.127 min Scan# 4517

Delta R.T. 0.000 min

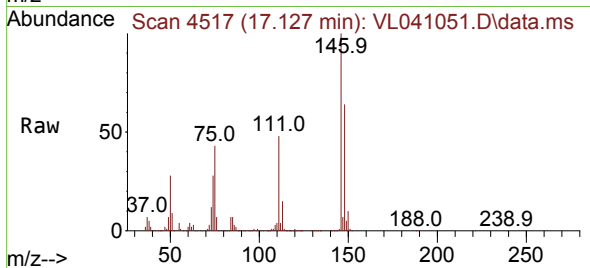
Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :



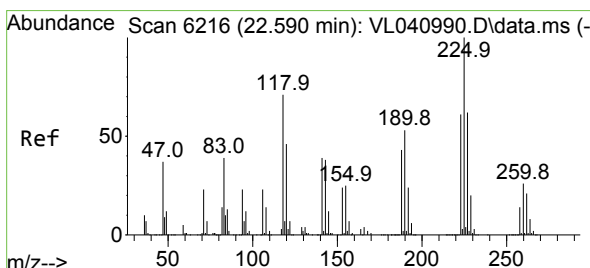
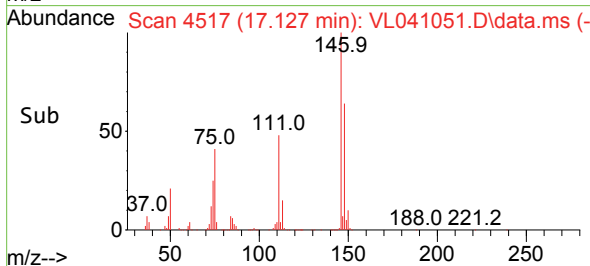
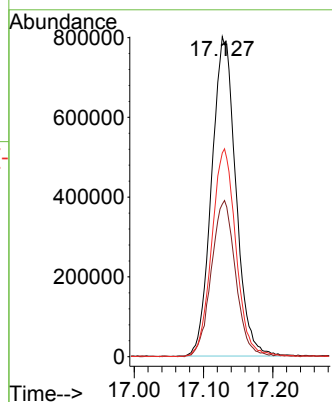
Tgt Ion:146 Resp: 1942196

Ion Ratio Lower Upper

146 100

111 49.7 24.8 74.3

148 65.0 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.074 ppbv

RT: 22.619 min Scan# 6225

Delta R.T. 0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

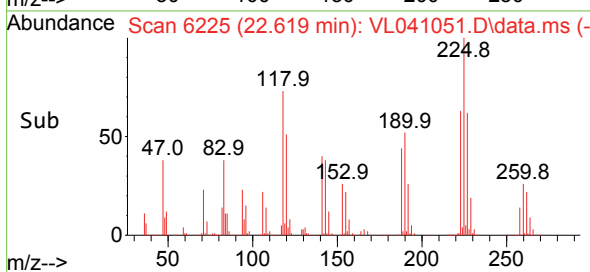
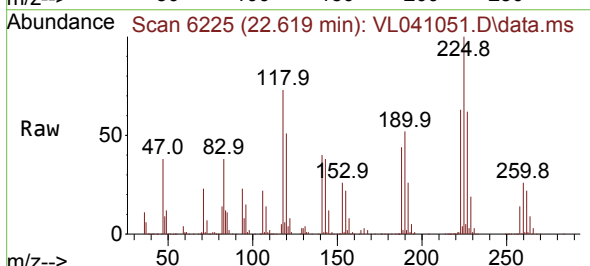
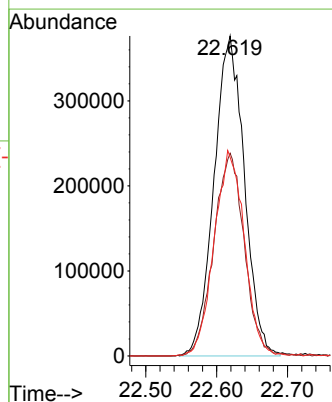
Tgt Ion:225 Resp: 1120804

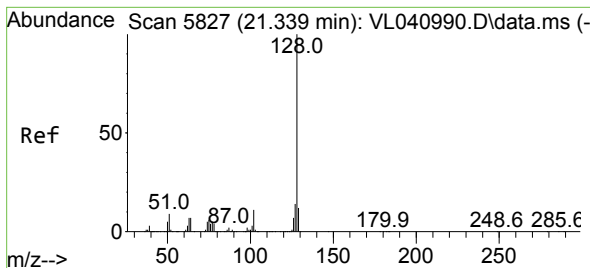
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 64.0 51.0 76.4





#79

Naphthalene

Concen: 11.433 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. -0.003 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

Instrument :

MSVOA_L

ClientSampleId :

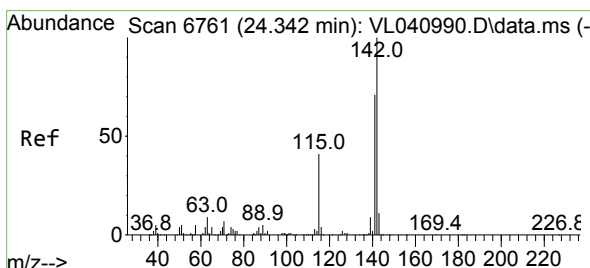
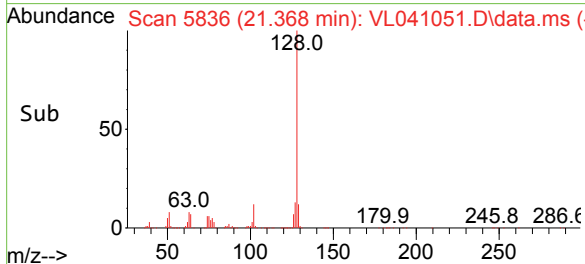
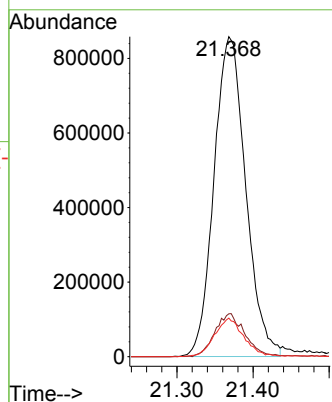
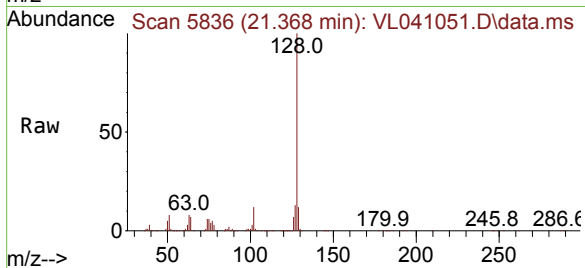
Tgt Ion:128 Resp: 2481964

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

129 12.0 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 11.499 ppbv

RT: 24.365 min Scan# 6768

Delta R.T. 0.000 min

Lab File: VL041051.D

Acq: 9 Feb 2024 10:28

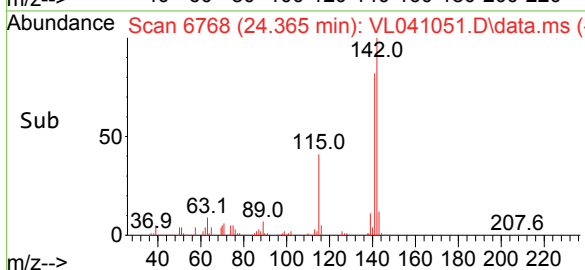
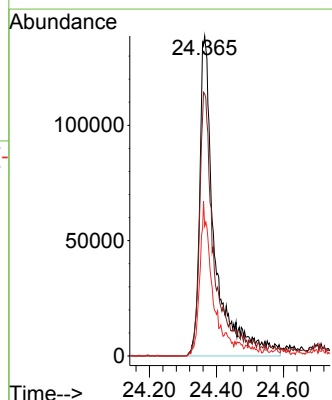
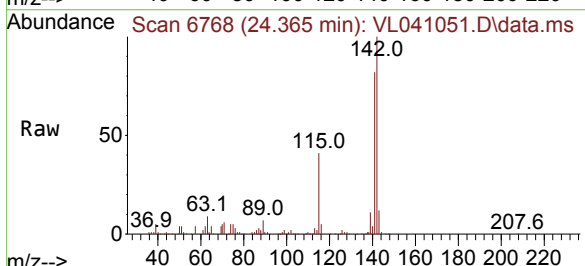
Tgt Ion:142 Resp: 438457

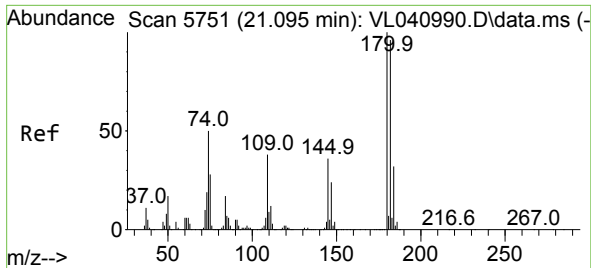
Ion Ratio Lower Upper

142 100

141 85.1 62.7 94.1

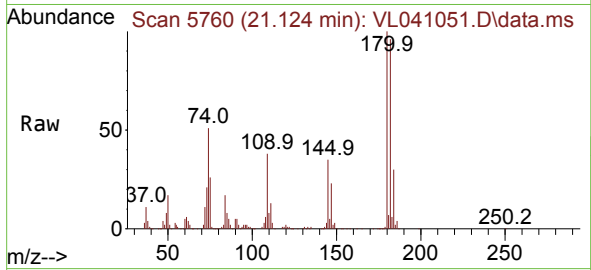
115 44.5 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.624 ppbv
 RT: 21.124 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041051.D
 Acq: 9 Feb 2024 10:28

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1219063

Ion	Ratio	Lower	Upper
180	100		
182	98.3	78.6	118.0
184	31.0	24.4	36.6

