

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041066.D
 Acq On : 15 Feb 2024 11:34
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Feb 16 04:06:14 2024

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1220763	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3102148	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2988409	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2343919 10.384 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.706	85	2465480	9.144 ppbv	99
3) Chlorodifluoromethane	2.652	51	1900818	9.258 ppbv	100
4) Chloromethane	2.790	50	724762	9.417 ppbv	98
5) Vinyl Chloride	2.899	62	732745	9.711 ppbv	97
6) Bromomethane	3.099	94	306084	9.317 ppbv	100
7) Chloroethane	3.176	64	252772	9.303 ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1821415	9.043 ppbv	99
9) Propene	2.671	41	641296	9.522 ppbv	98
10) Heptane	7.565	43	1631171	9.841 ppbv	98
11) Trichlorofluoromethane	3.542	101	1929392	8.881 ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1399044	8.885 ppbv	99
13) Ethanol	3.218	45	149169	9.293 ppbv	92
14) Bromoethene	3.346	108	582502	9.635 ppbv	99
15) Acetone	3.446	43	1341207	8.591 ppbv	99
16) 1,3-Butadiene	2.964	39	701182	9.389 ppbv	100
17) tert-Butyl alcohol	3.857	59	1175171	9.178 ppbv	100
18) 1,1-Dichloroethene	3.857	96	621201	9.215 ppbv	96
19) Isopropyl Alcohol	3.555	45	836231	9.254 ppbv	99
20) Methylene Chloride	3.912	84	528572	8.799 ppbv	99
21) Allyl Chloride	3.976	41	884440	9.324 ppbv	100
22) trans-1,2-Dichloroethene	4.427	96	634872	9.146 ppbv	94
23) Vinyl Acetate	4.607	43	1480055	9.197 ppbv	99
24) 1,1-Dichloroethane	4.546	63	1307597	9.160 ppbv	99
25) Ethyl Acetate	5.185	43	2760629	9.752 ppbv	100
26) Hexane	5.195	57	1207345	10.007 ppbv	98
27) Carbon Disulfide	4.102	76	1554426	9.900 ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	881277	8.801 ppbv	98
29) Chloroform	5.256	83	2046740	9.564 ppbv	100
30) Cyclohexane	6.584	84	1042573	10.313 ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	1232830	10.887 ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	1997525	9.766 ppbv	100
34) 2-Butanone	4.767	43	1525425	10.322 ppbv	99
35) Carbon Tetrachloride	6.478	117	2135024	10.321 ppbv	99
36) Benzene	6.356	78	2571513	10.037 ppbv	98
37) 1,2-Dichloroethane	5.790	62	1509635	9.656 ppbv	100
38) Trichloroethene	7.275	130	1012678	9.859 ppbv	98
39) 1,2-Dichloropropane	7.057	63	1003591	9.944 ppbv	99
40) 1,4-Dioxane	7.269	88	411880	9.825 ppbv	96
41) Tetrahydrofuran	5.539	42	1047459	10.438 ppbv	99
42) Bromodichloromethane	7.234	83	2262752	10.115 ppbv	98
43) Methyl Methacrylate	7.462	69	1060937	10.731 ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	4249467	9.857 ppbv	99
45) t-1,3-Dichloropropene	8.693	75	836820	12.388 ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041066.D
 Acq On : 15 Feb 2024 11:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

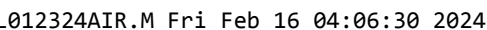
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

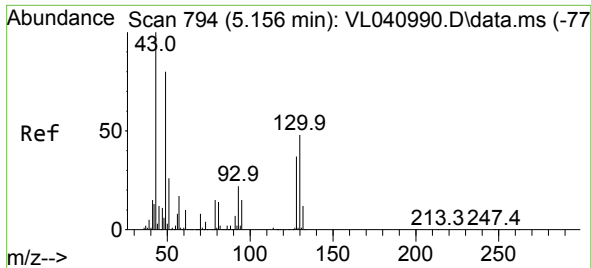
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Feb 16 04:05:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1002417	11.899	ppbv	93
47) 1,1,2-Trichloroethane	8.883	97	1096757	10.082	ppbv	96
48) Dibromochloromethane	9.696	129	1933462	10.512	ppbv	99
49) Bromoform	12.394	173	1578960	10.945	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2717349	10.440	ppbv	99
51) 2-Hexanone	9.539	43	1970858	10.505	ppbv	99
52) Tetrachloroethene	10.600	164	874994	10.284	ppbv	96
53) Toluene	9.204	91	2962362	10.555	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1573567	10.681	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1416650	9.880	ppbv	99
57) Chlorobenzene	11.513	112	2323935	9.668	ppbv	99
58) Ethyl Benzene	12.076	91	4044845	10.080	ppbv	100
59) m/p-Xylene	12.359	91	3654687	10.445	ppbv #	37
60) o-Xylene	13.044	91	3309907	9.860	ppbv	100
61) Styrene	12.886	104	1707913	11.080	ppbv	100
62) Isopropylbenzene	14.018	105	4825077	9.719	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	2475062	9.487	ppbv	99
64) n-propylbenzene	14.905	120	1266631	10.099	ppbv	96
65) tert-Butylbenzene	16.076	119	4227407	9.746	ppbv	99
66) Benzyl Chloride	16.314	91	301213	10.597	ppbv	98
67) sec-Butylbenzene	16.622	105	5980569	9.469	ppbv	100
69) p-Isopropyltoluene	16.979	119	4818240	9.849	ppbv	100
70) n-Butylbenzene	17.873	91	5176710	9.792	ppbv	100
71) 2-Chlorotoluene	14.786	91	3764043	9.826	ppbv	99
72) 4-Ethyltoluene	15.179	105	3818735	10.185	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	3319699	9.977	ppbv	100
74) 1,2,4-Trimethylbenzene	16.098	105	3609784	9.570	ppbv #	88
75) 1,3-Dichlorobenzene	16.317	146	2092309	9.747	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	2043610	9.647	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	2033821	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	604026	4.390	ppbv #	25
79) Naphthalene	21.368	128	2682130	12.465	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	427295	11.307	ppbv	95
81) 1,2,4-Trichlorobenzene	21.120	180	1284614	10.232	ppbv	99

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

Quant Time: Feb 16 04:06:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Feb 16 04:05:22 2024
Response via : Initial Calibration

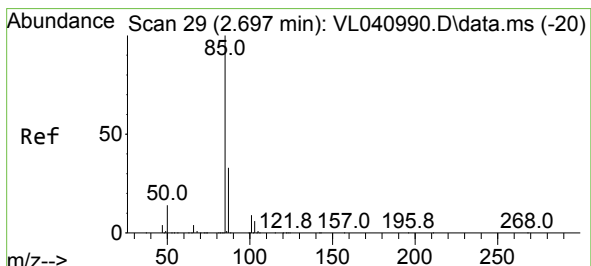
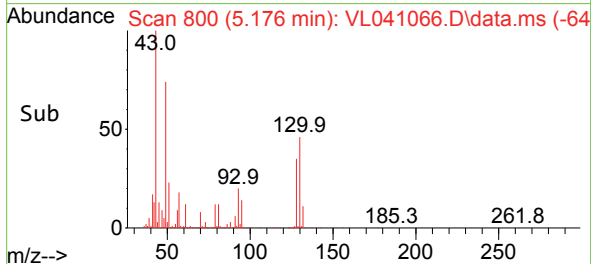
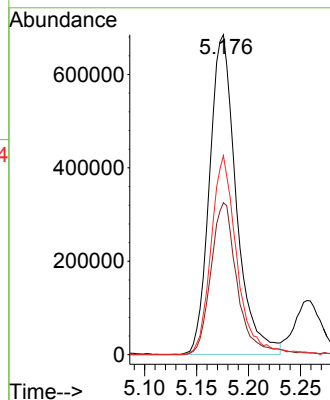
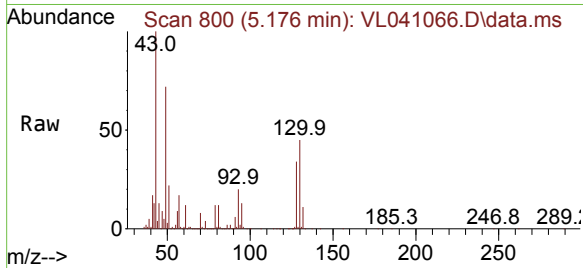




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

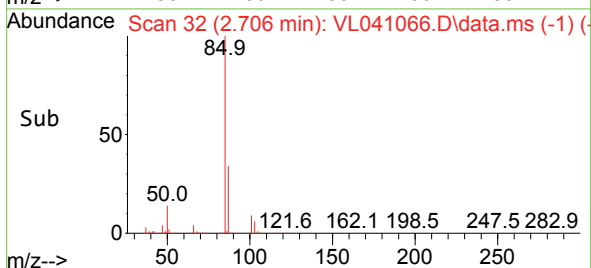
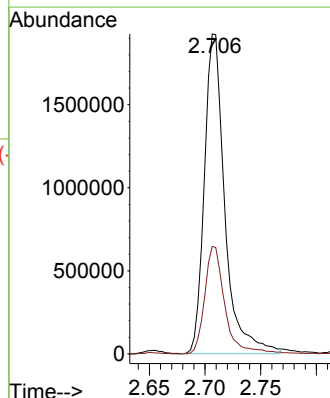
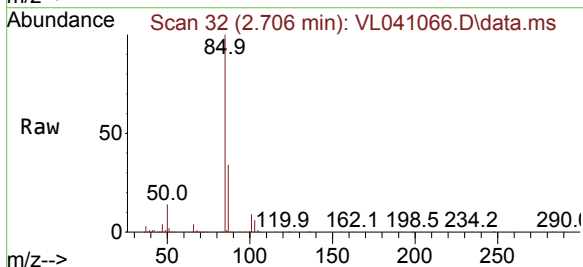
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

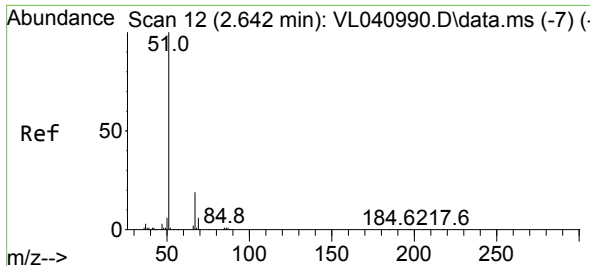
Tgt Ion: 49 Resp: 1220763
 Ion Ratio Lower Upper
 49 100
 128 48.0 23.9 71.7
 130 61.3 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 9.144 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 85 Resp: 2465480
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.3 39.5

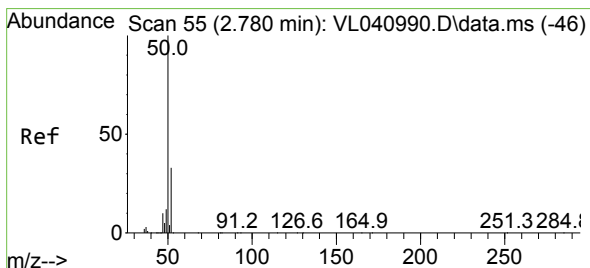
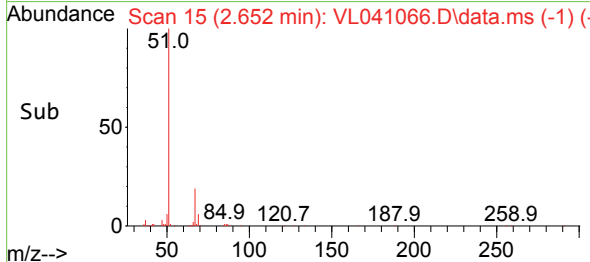
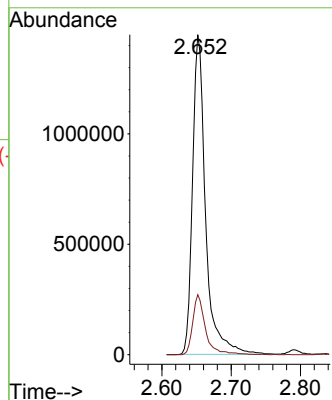
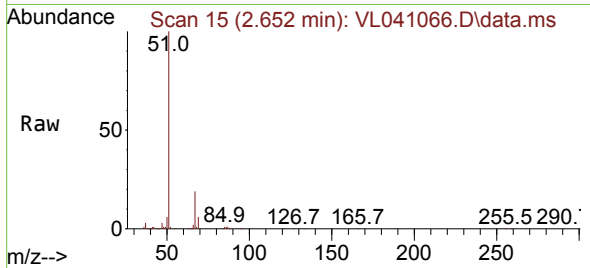




#3
Chlorodifluoromethane
Concen: 9.258 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

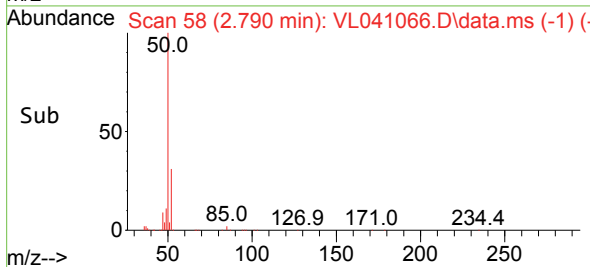
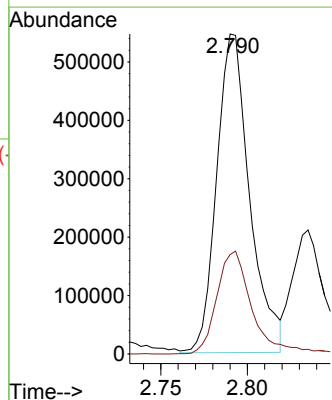
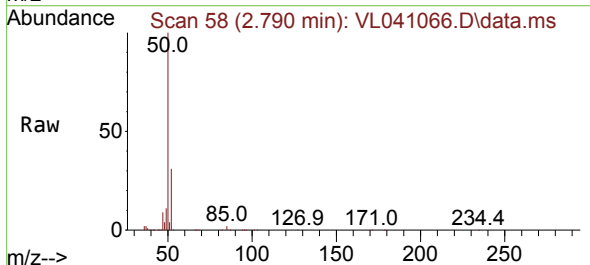
Instrument :
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ClientSampleId :
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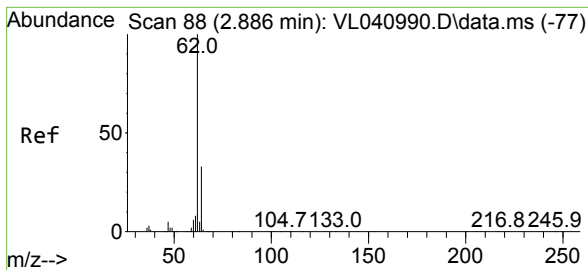
Tgt Ion: 51 Resp: 1900818
Ion Ratio Lower Upper
51 100
67 18.4 14.8 22.2



#4
Chloromethane
Concen: 9.417 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 50 Resp: 724762
Ion Ratio Lower Upper
50 100
52 31.4 26.2 39.4

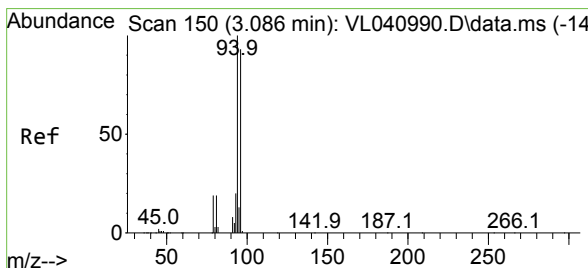
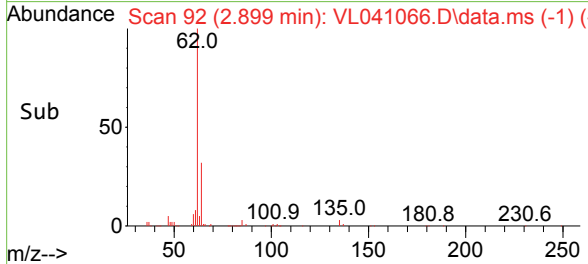
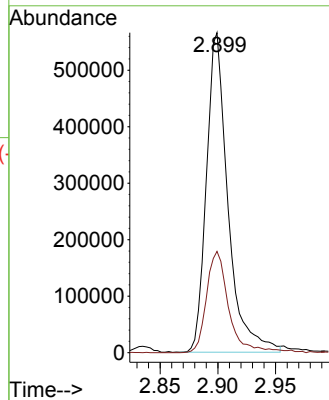
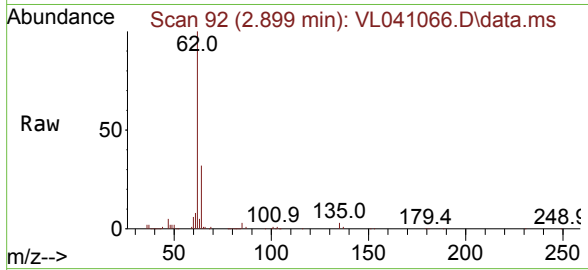




#5
 Vinyl Chloride
 Concen: 9.711 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

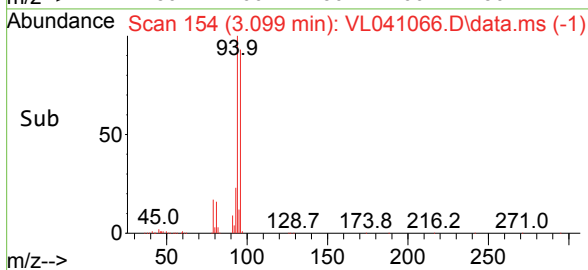
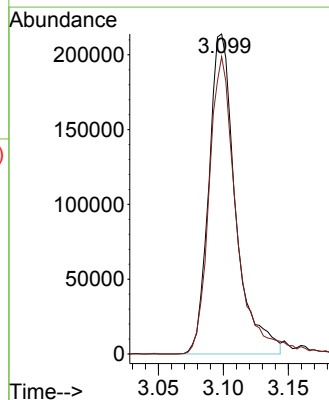
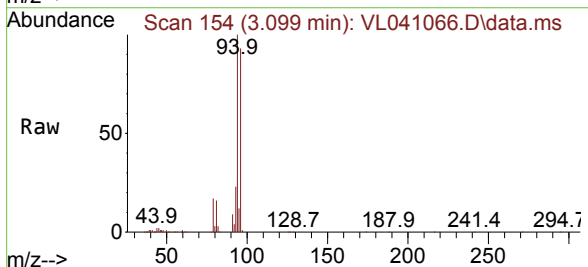
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

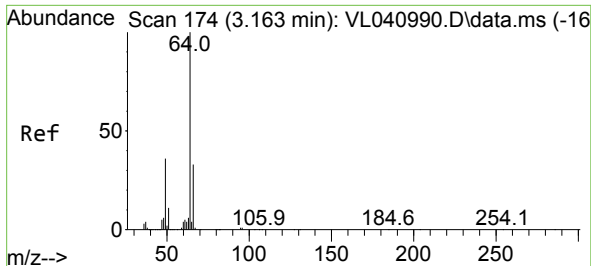
Tgt Ion: 62 Resp: 732745
 Ion Ratio Lower Upper
 62 100
 64 31.7 26.6 40.0



#6
 Bromomethane
 Concen: 9.317 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 94 Resp: 306084
 Ion Ratio Lower Upper
 94 100
 96 92.8 74.2 111.4

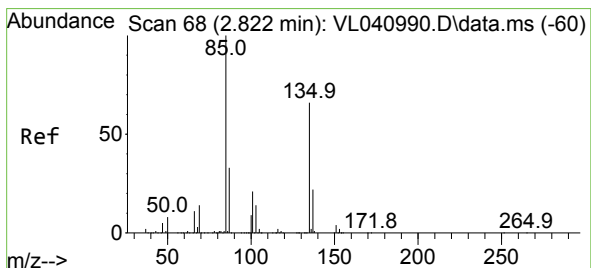
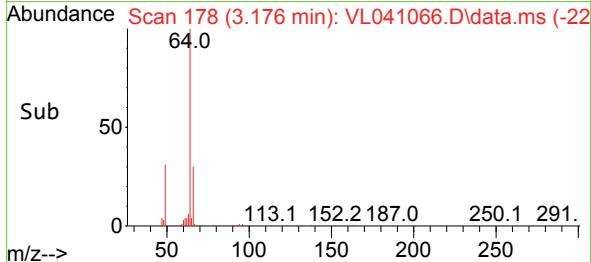
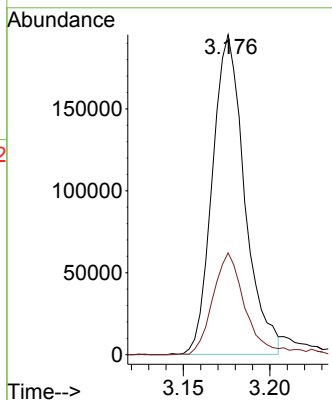
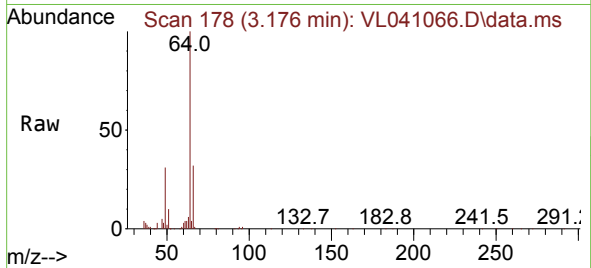




#7
Chloroethane
Concen: 9.303 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

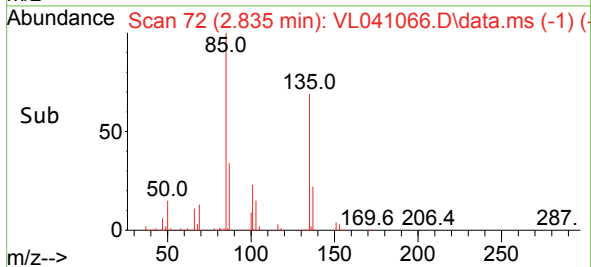
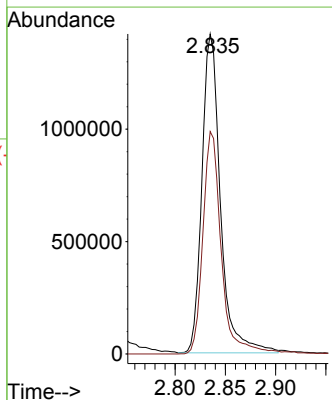
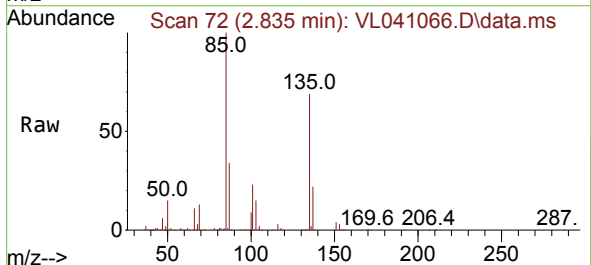
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ClientSampleId :
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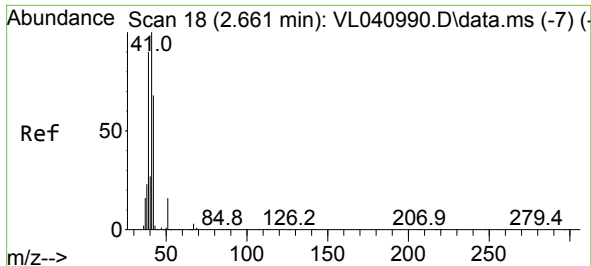
Tgt Ion: 64 Resp: 252772
Ion Ratio Lower Upper
64 100
66 32.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.043 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 85 Resp: 1821415
Ion Ratio Lower Upper
85 100
135 69.9 55.0 82.6

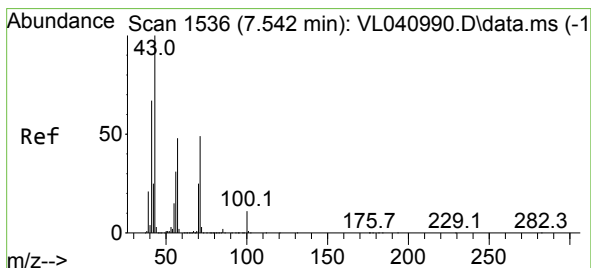
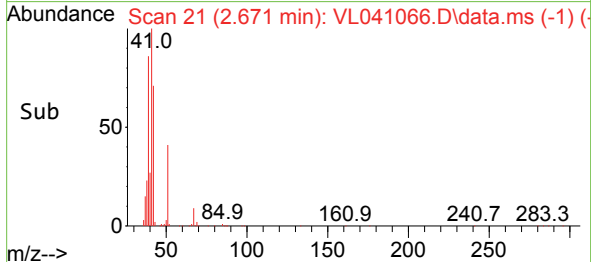
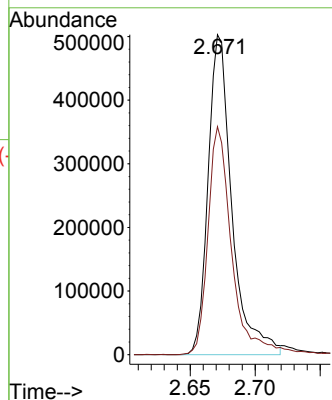
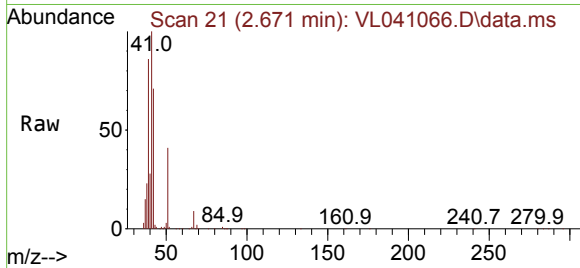




#9
Propene
Concen: 9.522 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

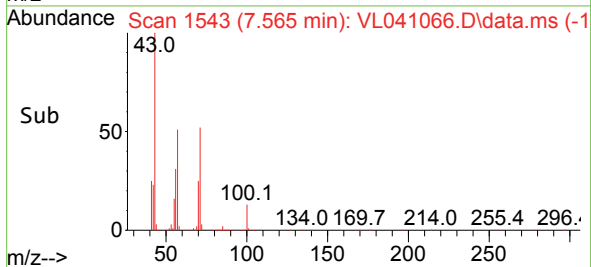
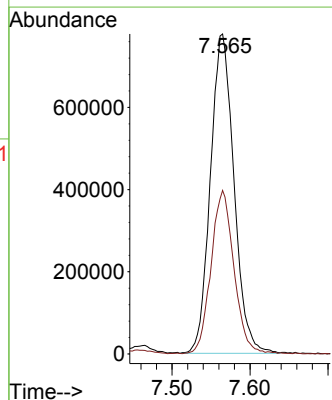
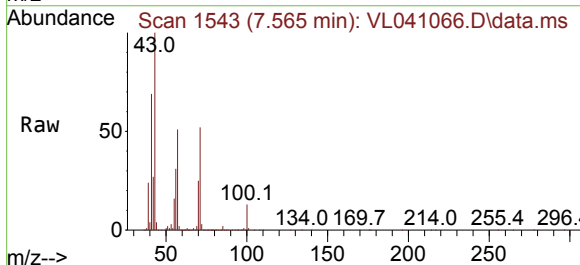
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

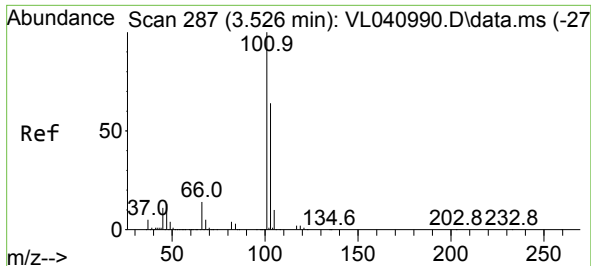
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Ion Ratio Lower Upper
41 100
42 72.0 59.0 88.4



#10
Heptane
Concen: 9.841 ppbv
RT: 7.565 min Scan# 1543
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 43 Resp: 1631171
Ion Ratio Lower Upper
43 100
57 50.4 39.4 59.2

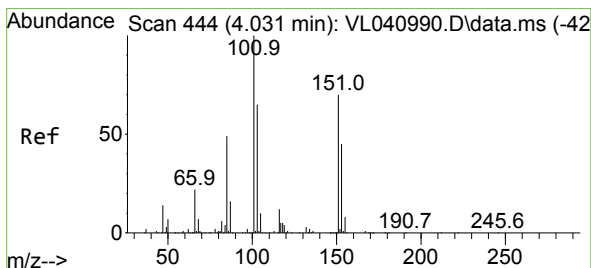
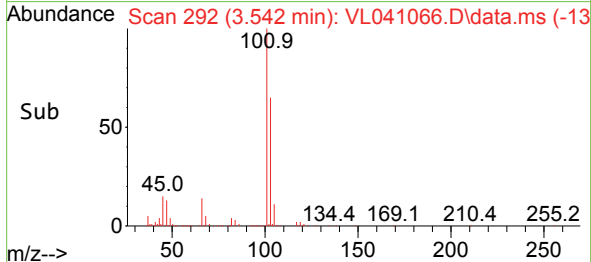
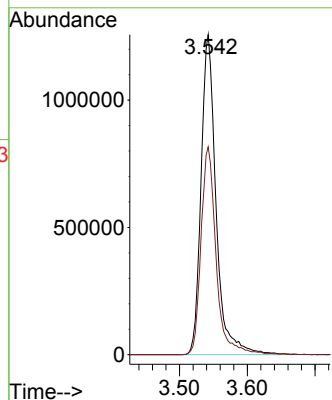
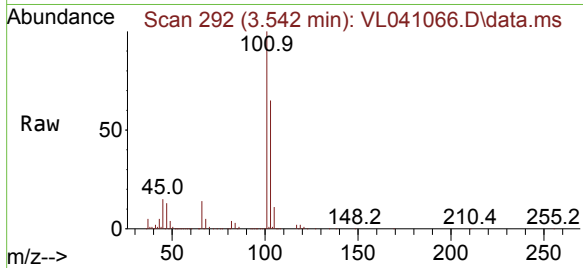




#11
Trichlorofluoromethane
Concen: 8.881 ppbv
RT: 3.542 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

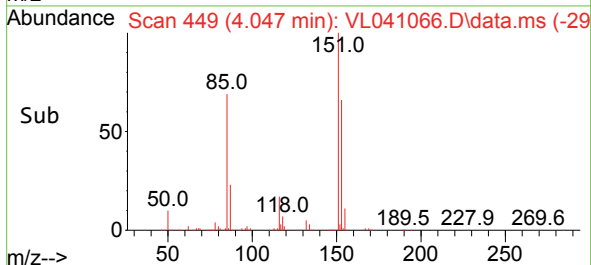
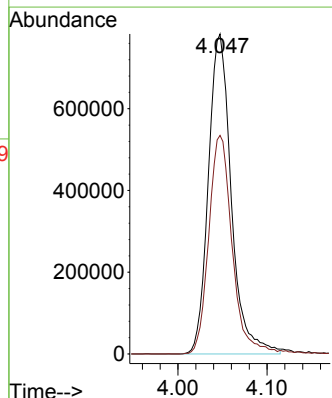
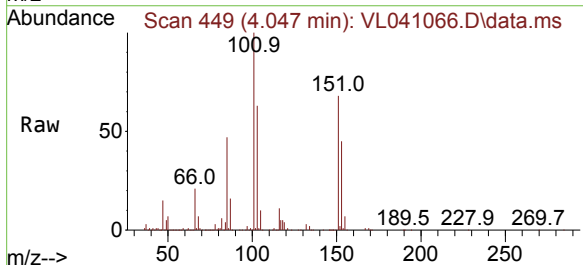
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

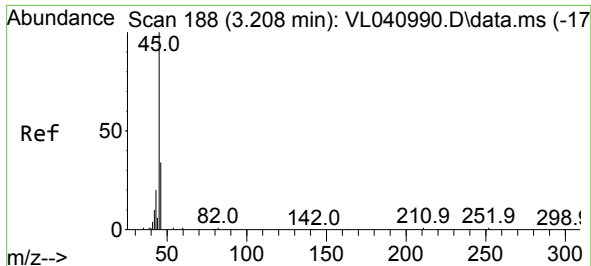
Tgt Ion:101 Resp: 1929392
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.885 ppbv
RT: 4.047 min Scan# 449
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion:101 Resp: 1399044
Ion Ratio Lower Upper
101 100
151 70.4 56.6 85.0

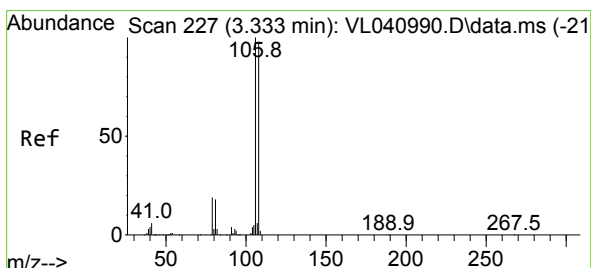
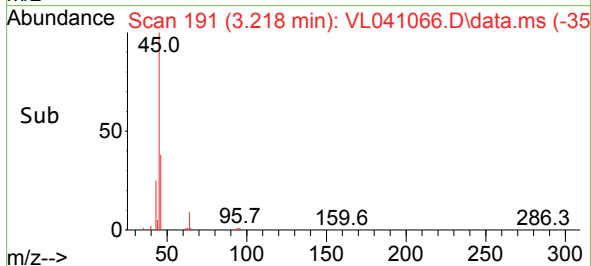
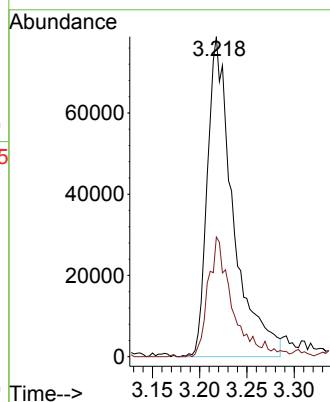
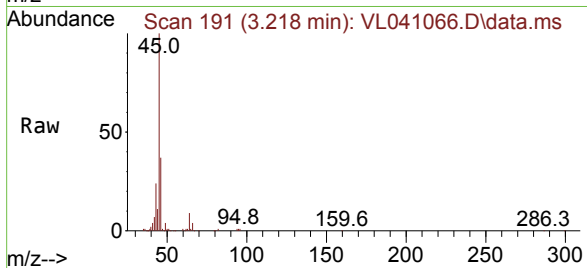




#13
Ethanol
Concen: 9.293 ppbv
RT: 3.218 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

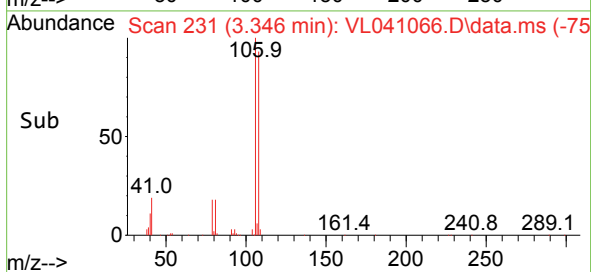
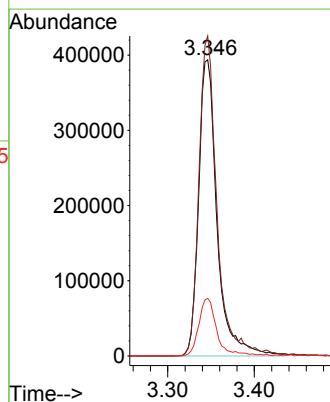
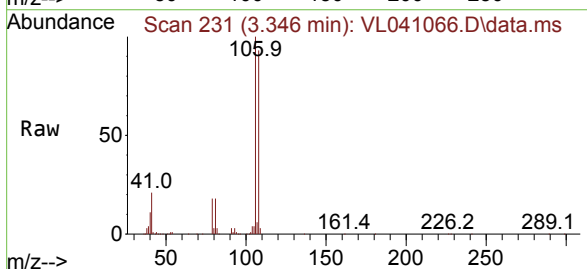
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

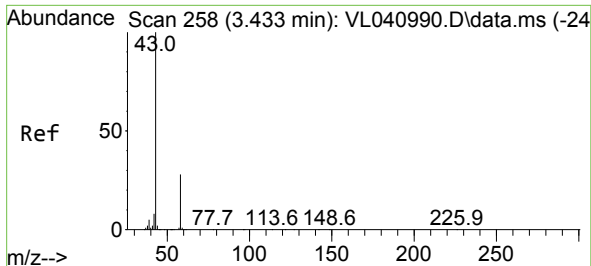
Tgt Ion: 45 Resp: 149169
Ion Ratio Lower Upper
45 100
46 35.5 16.2 64.8



#14
Bromoethene
Concen: 9.635 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 108 Resp: 582502
Ion Ratio Lower Upper
108 100
106 106.9 86.4 129.6
79 19.4 16.2 24.4

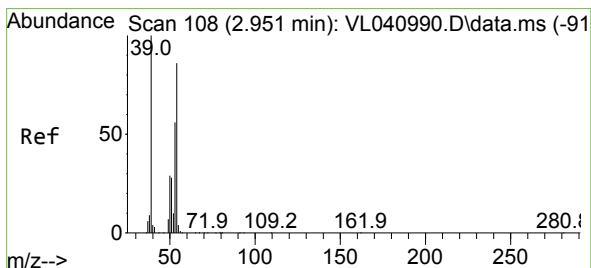
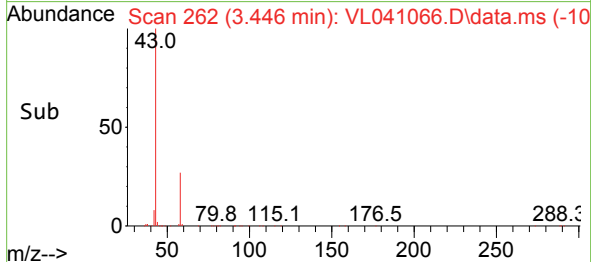
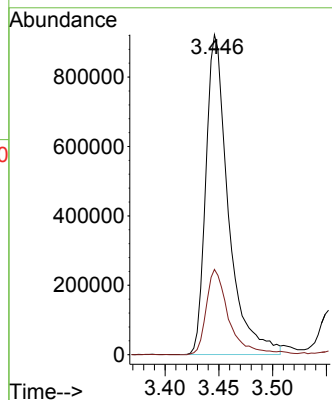
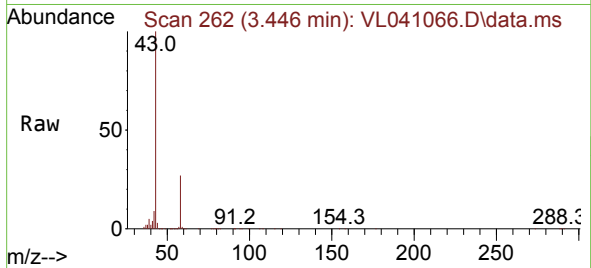




#15
Acetone
Concen: 8.591 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

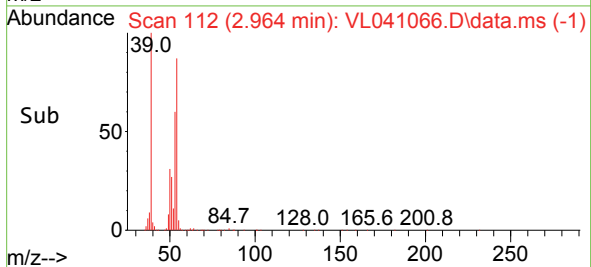
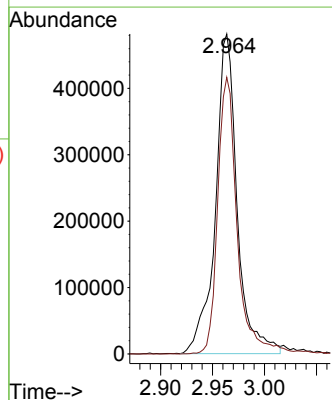
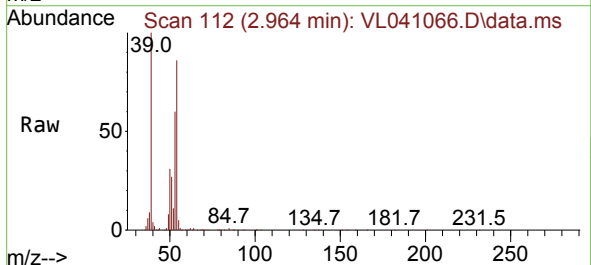
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

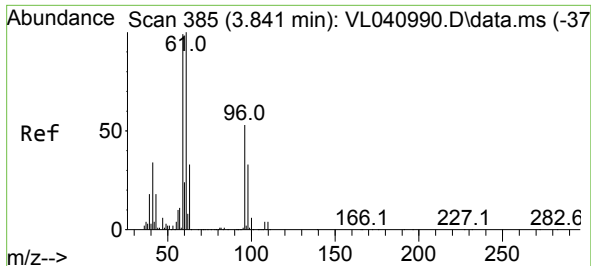
Tgt Ion: 43 Resp: 1341207
Ion Ratio Lower Upper
43 100
58 27.1 22.2 33.2



#16
1,3-Butadiene
Concen: 9.389 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 39 Resp: 701182
Ion Ratio Lower Upper
39 100
54 78.6 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.178 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

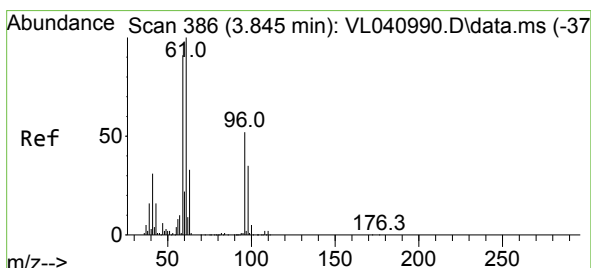
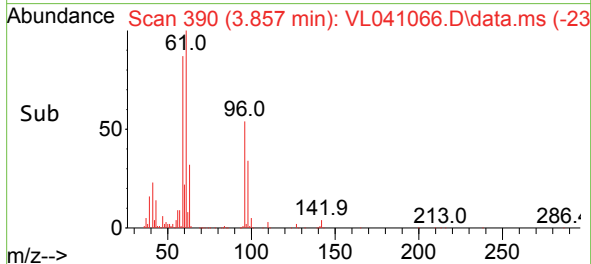
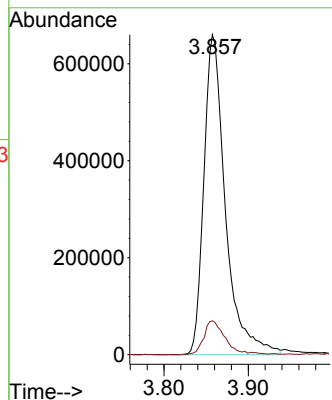
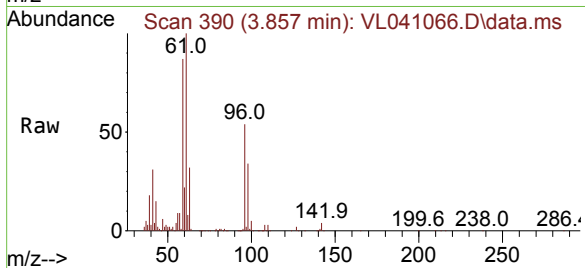
VSTDCCC010

Tgt Ion: 59 Resp: 1175171

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.215 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

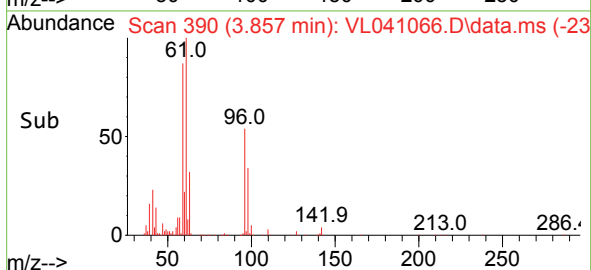
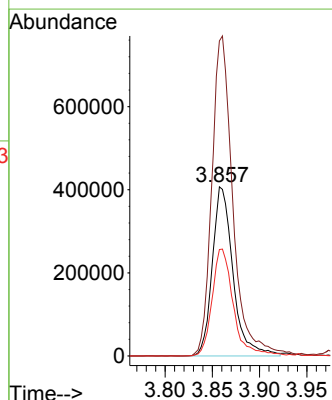
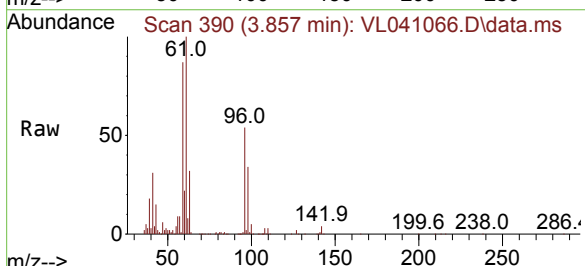
Tgt Ion: 96 Resp: 621201

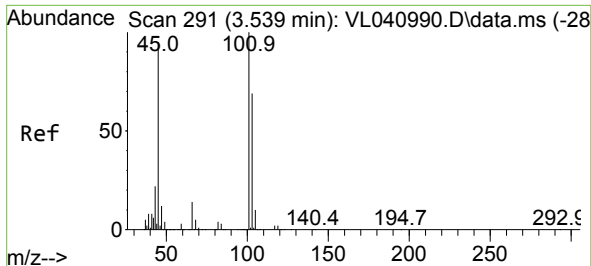
Ion Ratio Lower Upper

96 100

61 186.3 153.8 230.8

98 62.9 53.7 80.5

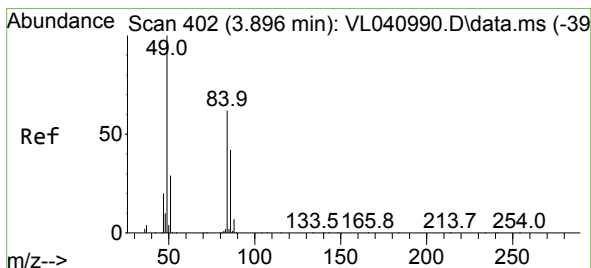
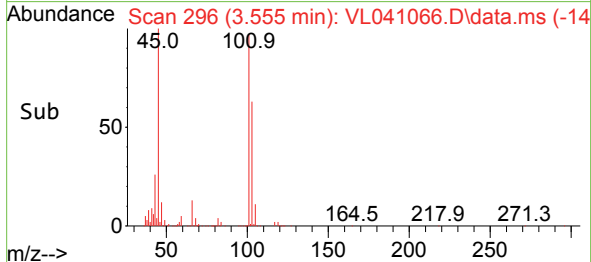
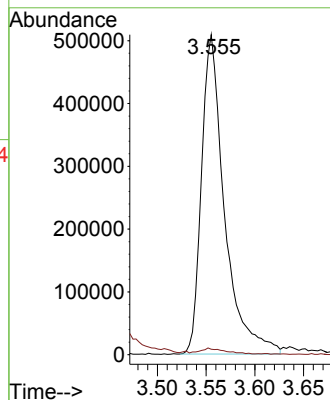
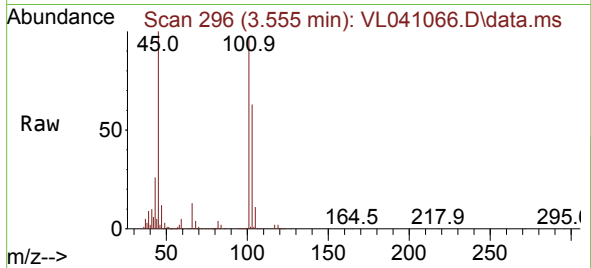




#19
Isopropyl Alcohol
Concen: 9.254 ppbv
RT: 3.555 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

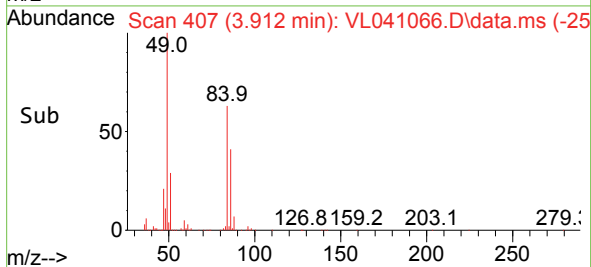
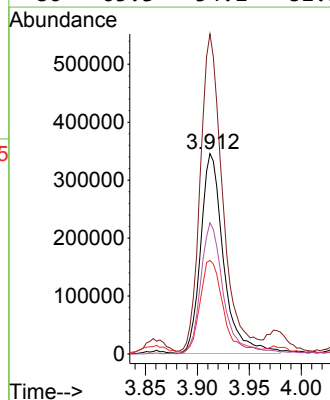
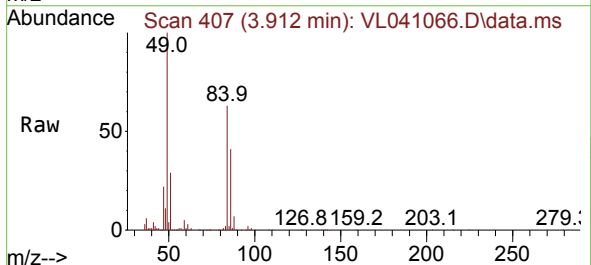
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

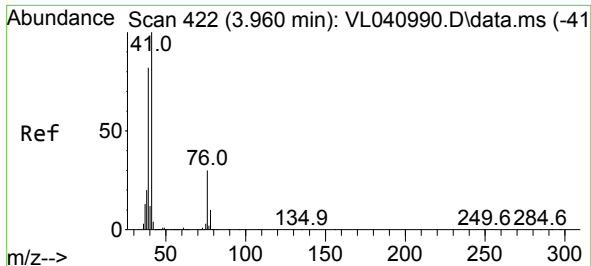
Tgt Ion: 45 Resp: 836231
Ion Ratio Lower Upper
45 100
58 2.5 2.2 3.4



#20
Methylene Chloride
Concen: 8.799 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 84 Resp: 528572
Ion Ratio Lower Upper
84 100
49 158.5 128.1 192.1
51 45.8 36.5 54.7
86 65.3 54.1 81.1

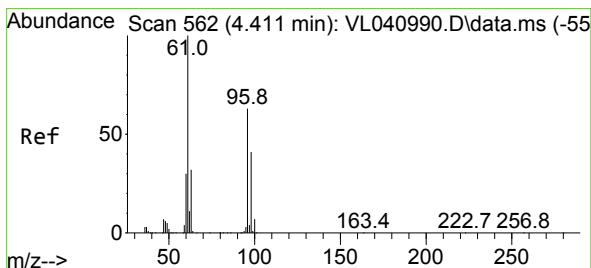
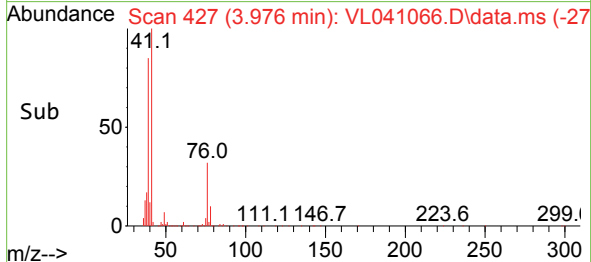
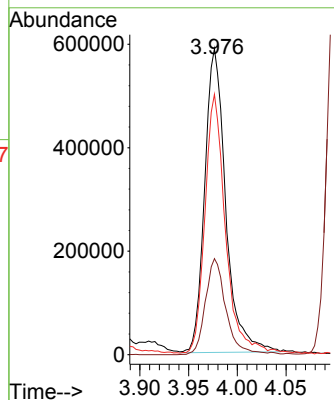
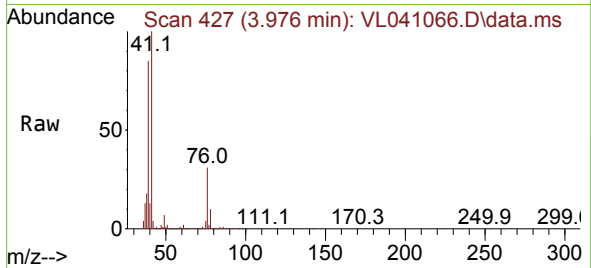




#21
 Allyl Chloride
 Concen: 9.324 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

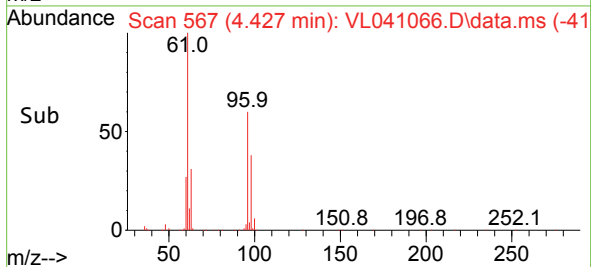
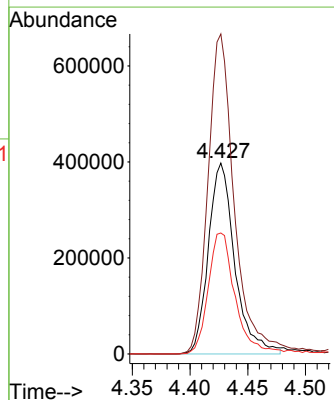
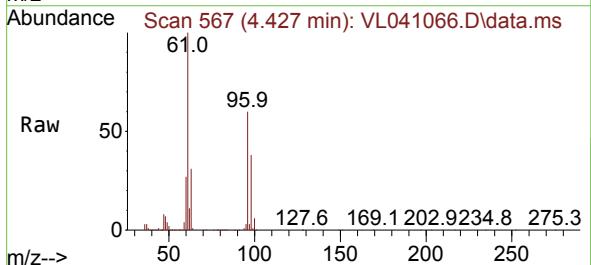
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

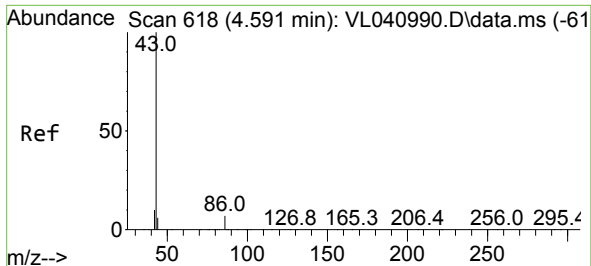
Tgt Ion: 41 Resp: 884440
 Ion Ratio Lower Upper
 41 100
 76 31.1 25.0 37.4
 39 83.6 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.146 ppbv
 RT: 4.427 min Scan# 567
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 96 Resp: 634872
 Ion Ratio Lower Upper
 96 100
 61 167.4 126.0 189.0
 98 63.3 51.2 76.8



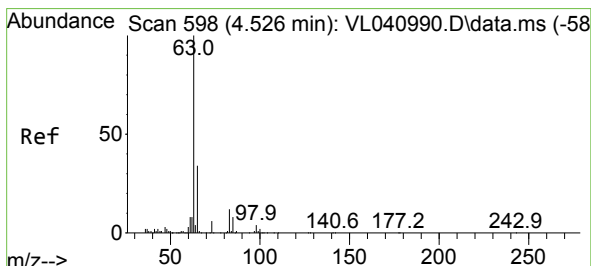
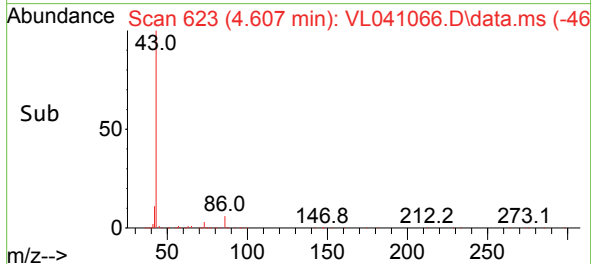
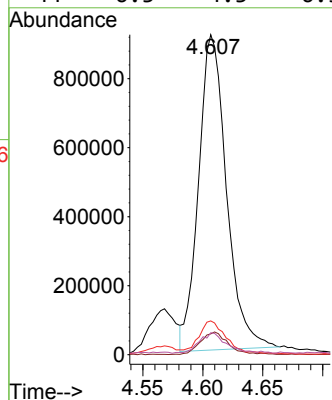
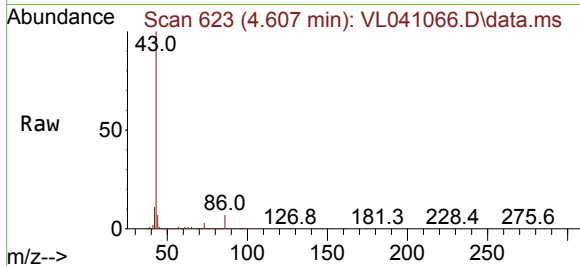


#23
 Vinyl Acetate
 Concen: 9.197 ppbv
 RT: 4.607 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1480055

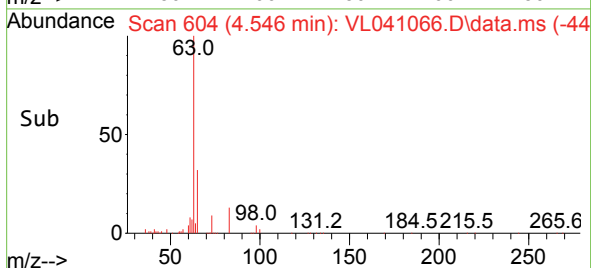
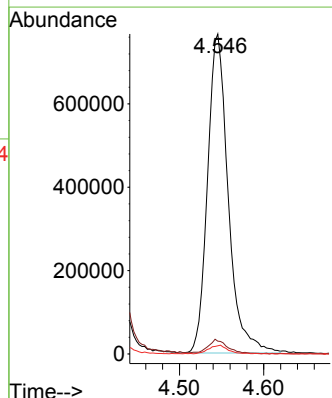
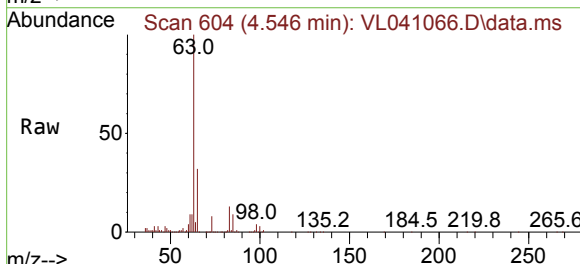
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.4	8.0
42	10.4	8.6	13.0
44	6.3	4.3	6.5

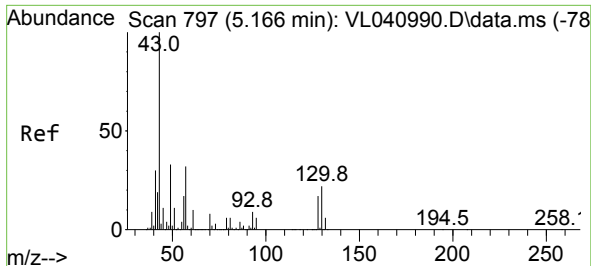


#24
 1,1-Dichloroethane
 Concen: 9.160 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 63 Resp: 1307597

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.3
100	2.5	1.3	3.9





#25

Ethyl Acetate

Concen: 9.752 ppbv

RT: 5.185 min Scan# 803

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2760629

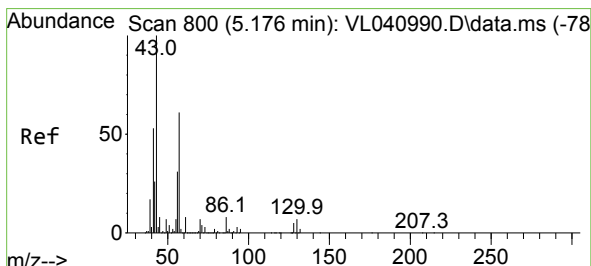
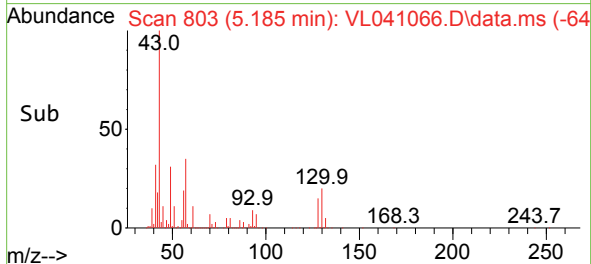
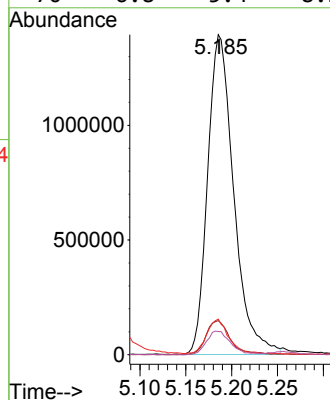
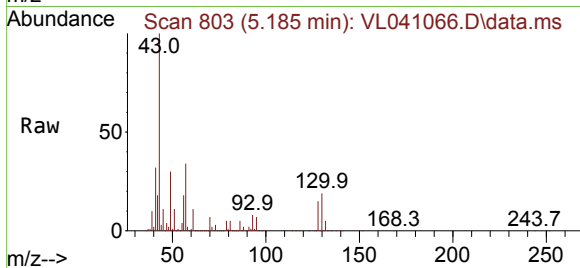
Ion Ratio Lower Upper

43 100

45 10.0 8.2 12.4

61 9.9 7.9 11.9

70 6.8 5.4 8.2



#26

Hexane

Concen: 10.007 ppbv

RT: 5.195 min Scan# 806

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Tgt Ion: 57 Resp: 1207345

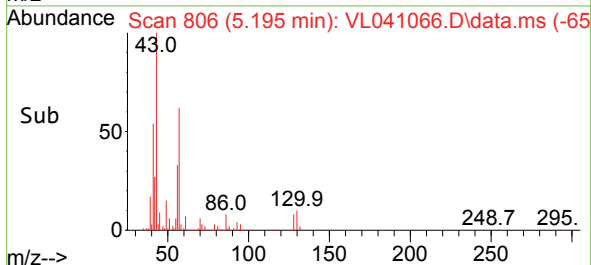
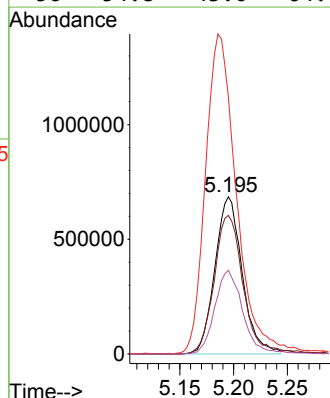
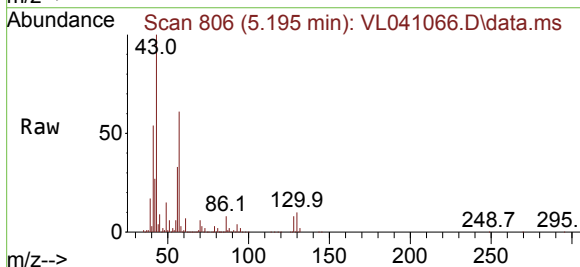
Ion Ratio Lower Upper

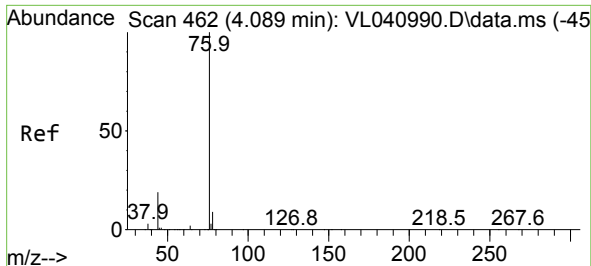
57 100

41 94.3 74.4 111.6

43 233.0 190.6 285.8

56 54.8 43.0 64.4

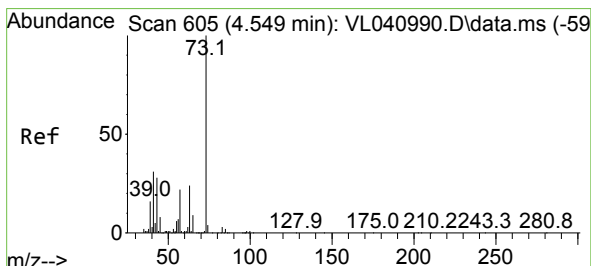
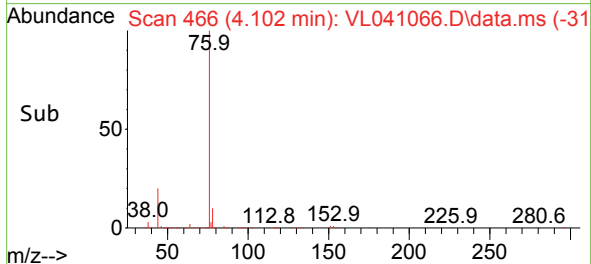
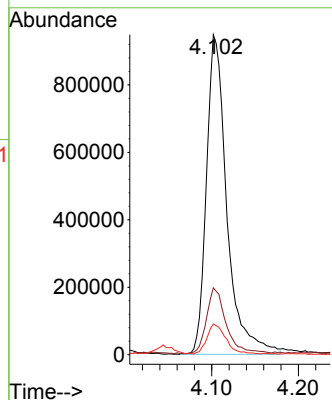
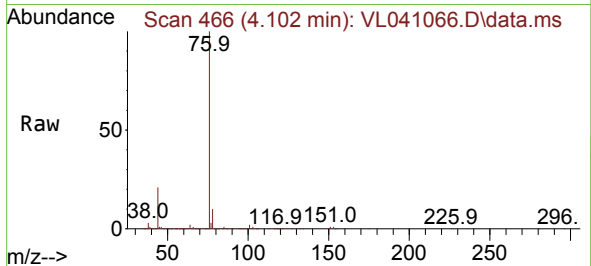




#27
Carbon Disulfide
Concen: 9.900 ppbv
RT: 4.102 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

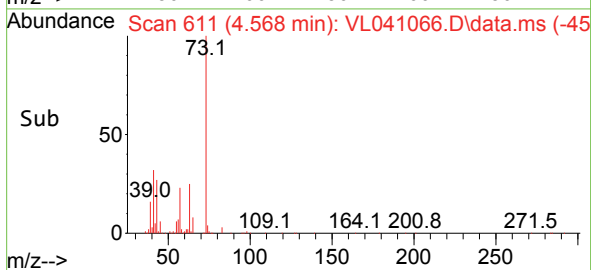
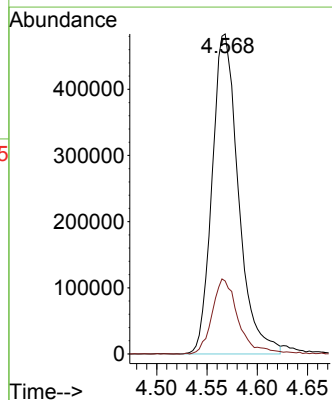
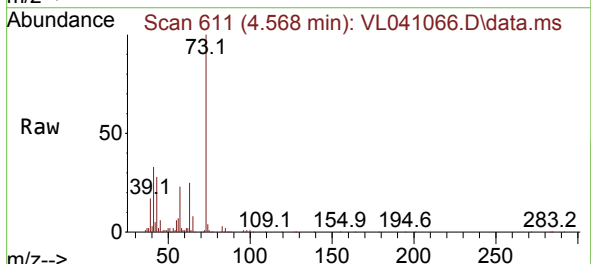
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

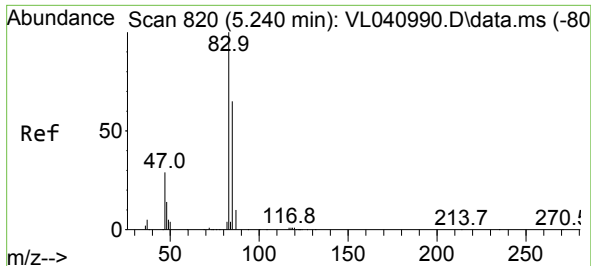
Tgt Ion: 76 Resp: 1554426
Ion Ratio Lower Upper
76 100
44 19.9 16.0 24.0
78 9.6 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 8.801 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 73 Resp: 881277
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0





#29

Chloroform

Concen: 9.564 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

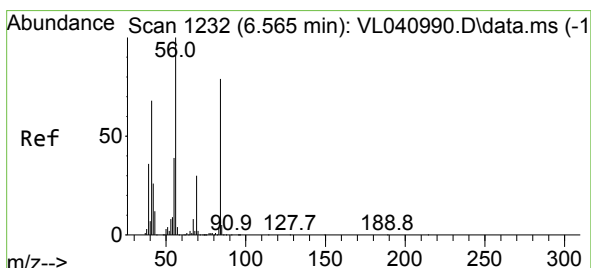
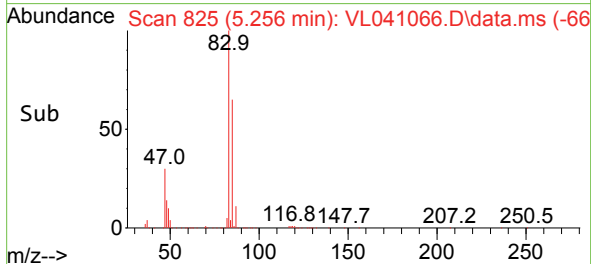
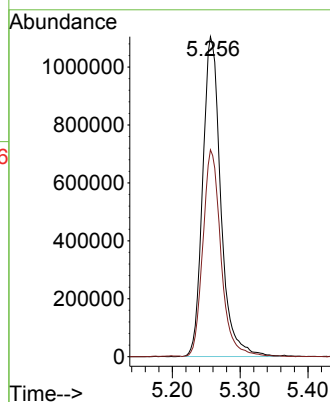
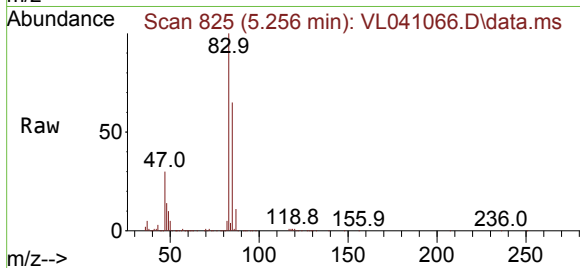
VSTDCCC010

Tgt Ion: 83 Resp: 2046740

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4



#30

Cyclohexane

Concen: 10.313 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

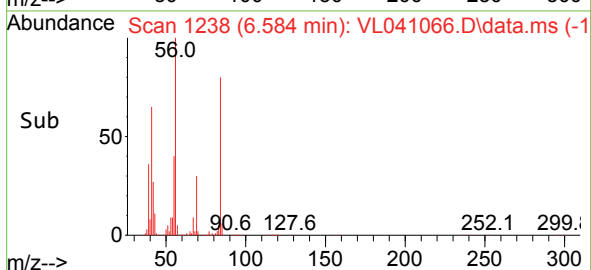
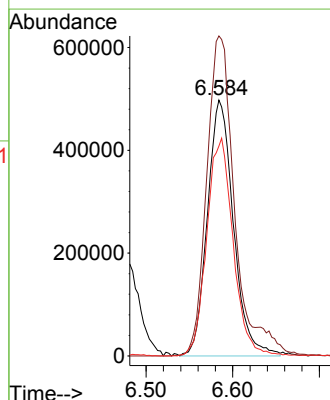
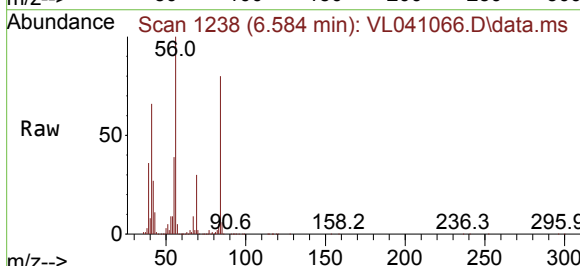
Tgt Ion: 84 Resp: 1042573

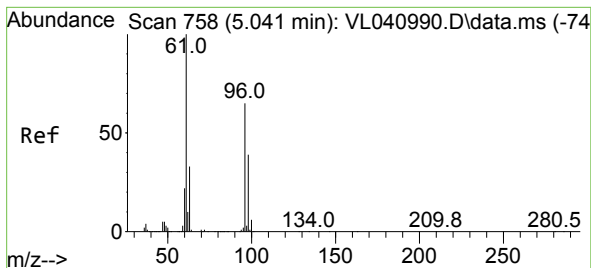
Ion Ratio Lower Upper

84 100

56 135.0 111.7 167.5

41 86.2 71.0 106.6





#31

cis-1,2-Dichloroethene

Concen: 10.887 ppbv

RT: 5.060 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

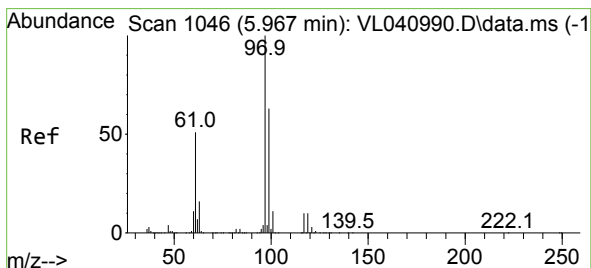
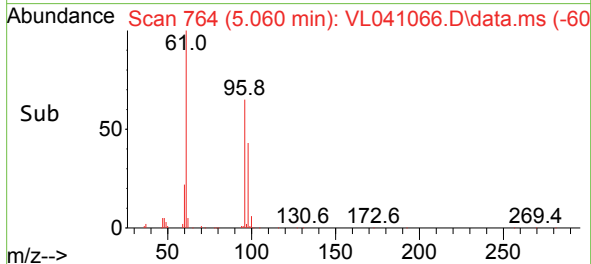
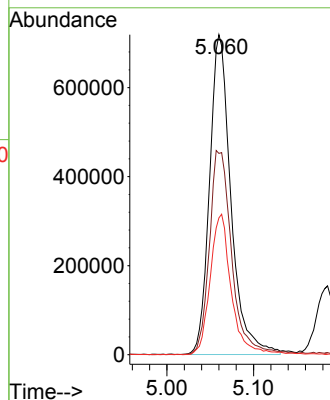
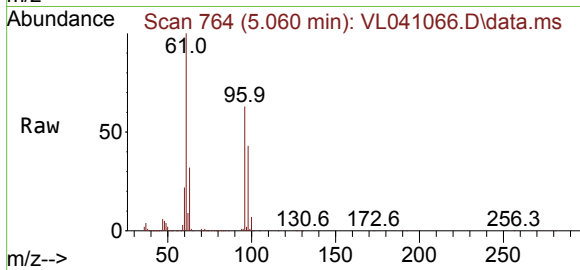
Tgt Ion: 61 Resp: 1232830

Ion Ratio Lower Upper

61 100

96 62.9 51.9 77.9

98 42.7 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 9.766 ppbv

RT: 5.986 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

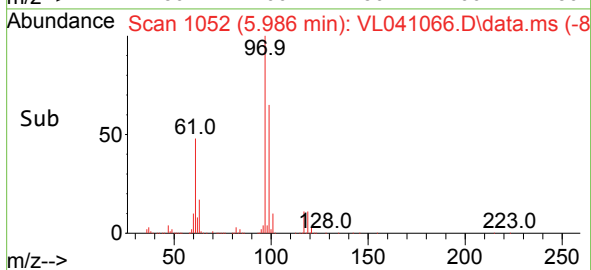
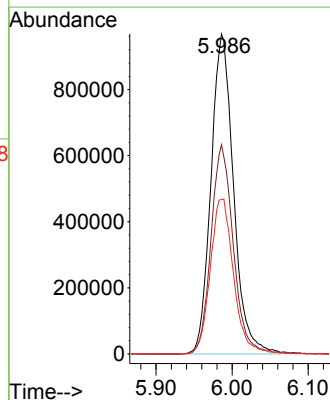
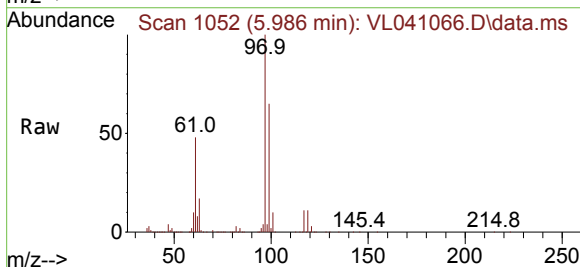
Tgt Ion: 97 Resp: 1997525

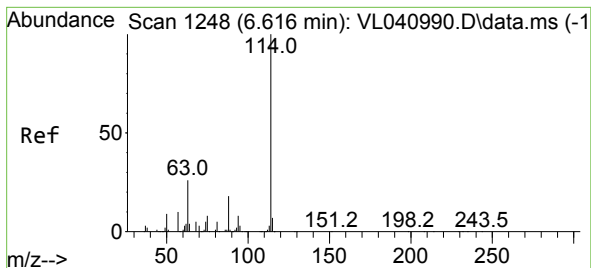
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 50.1 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

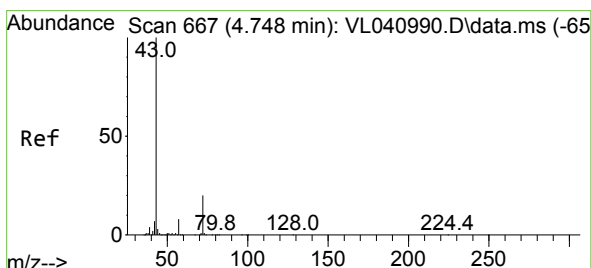
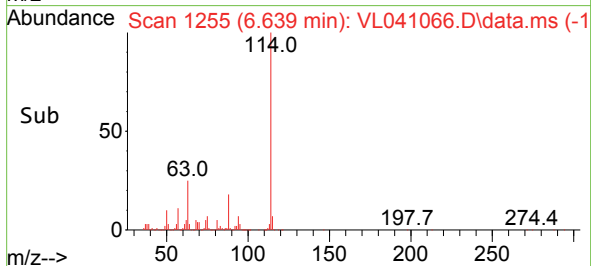
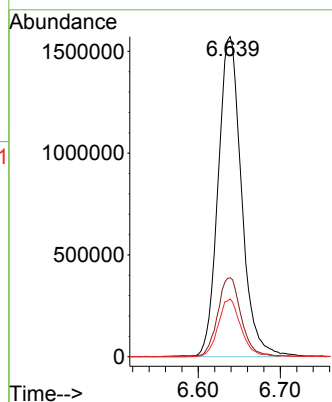
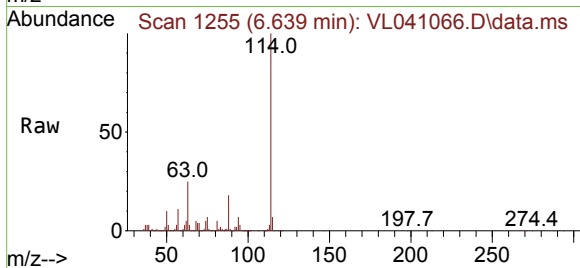
Tgt Ion:114 Resp: 3102148

Ion Ratio Lower Upper

114 100

63 25.4 20.8 31.2

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 10.322 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL041066.D

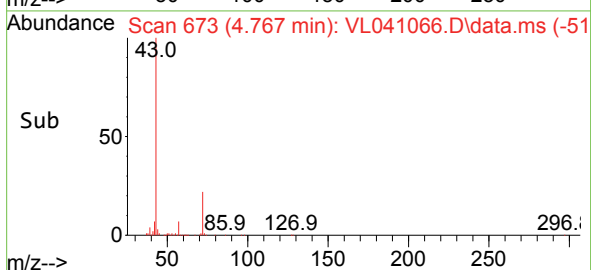
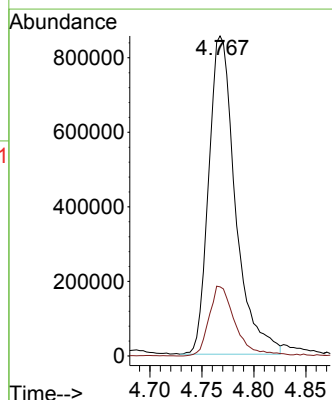
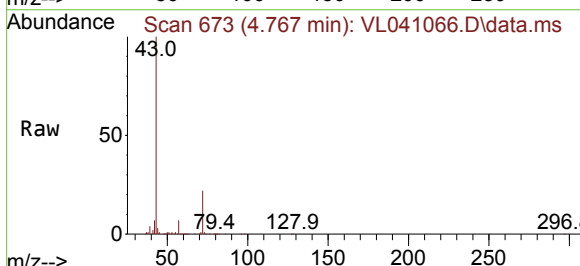
Acq: 15 Feb 2024 11:34

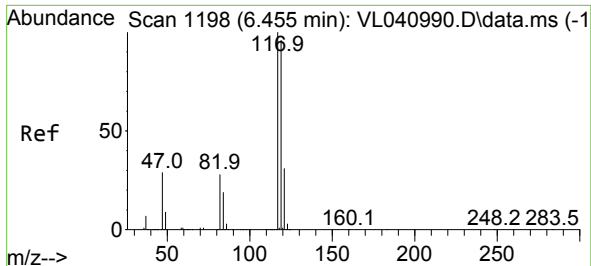
Tgt Ion: 43 Resp: 1525425

Ion Ratio Lower Upper

43 100

72 22.2 17.5 26.3

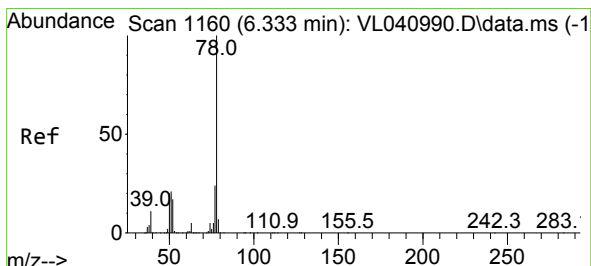
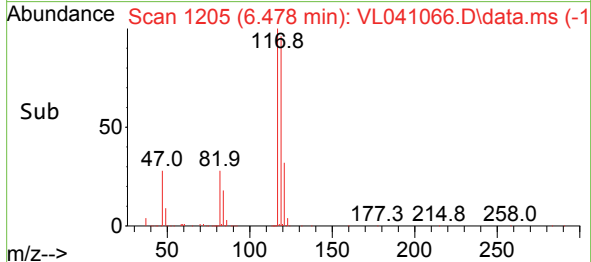
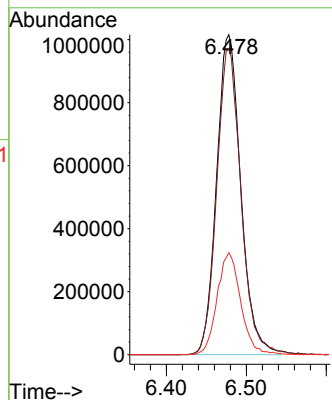
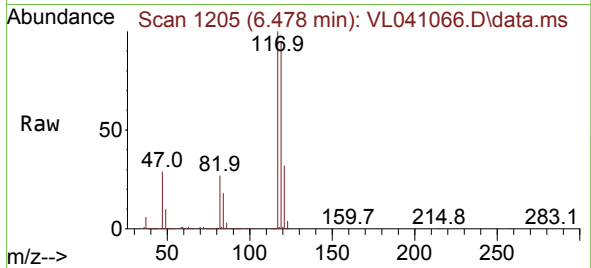




#35
Carbon Tetrachloride
Concen: 10.321 ppbv
RT: 6.478 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

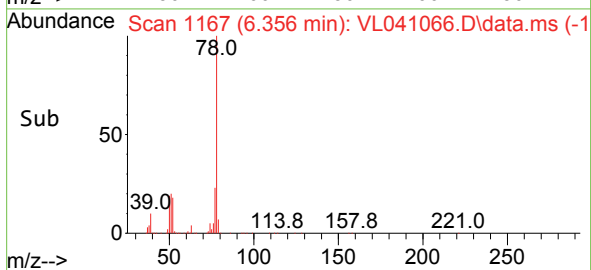
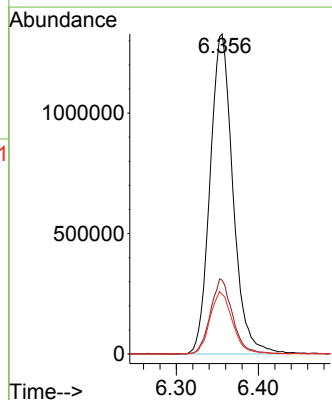
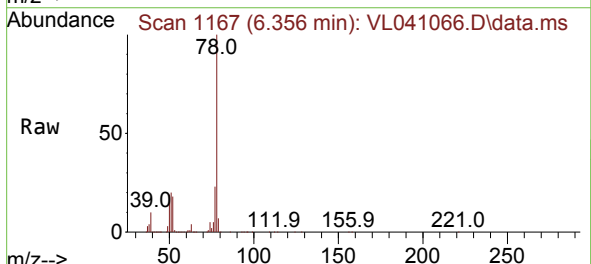
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

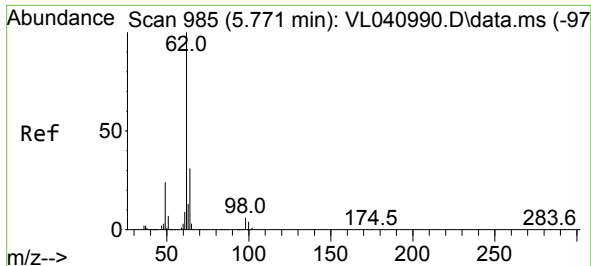
Tgt Ion:117 Resp: 2135024
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3
121 31.8 24.7 37.1



#36
Benzene
Concen: 10.037 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 78 Resp: 2571513
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4
50 18.6 15.8 23.6





#37

1,2-Dichloroethane

Concen: 9.656 ppbv

RT: 5.790 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

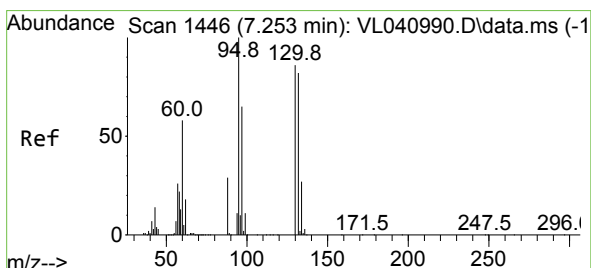
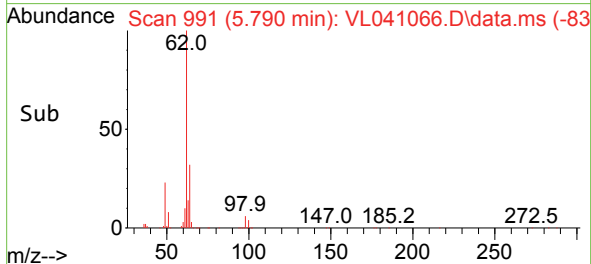
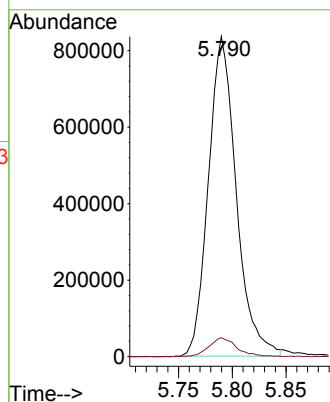
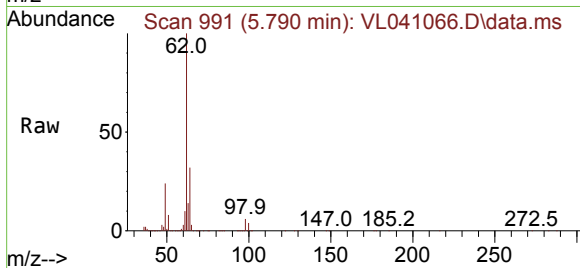
VSTDCCC010

Tgt Ion: 62 Resp: 1509635

Ion Ratio Lower Upper

62 100

98 6.0 4.7 7.1



#38

Trichloroethene

Concen: 9.859 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Tgt Ion:130 Resp: 1012678

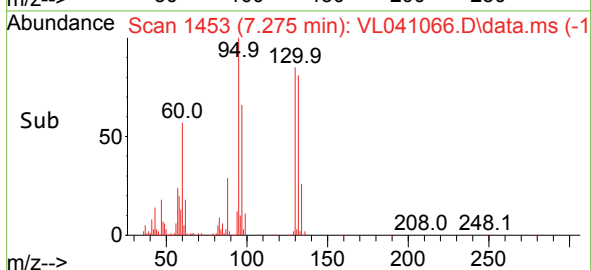
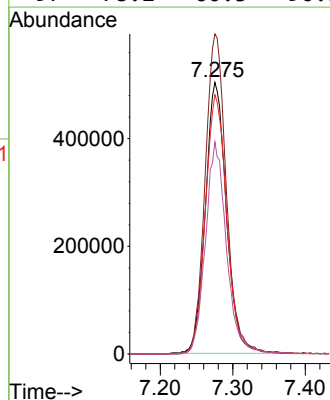
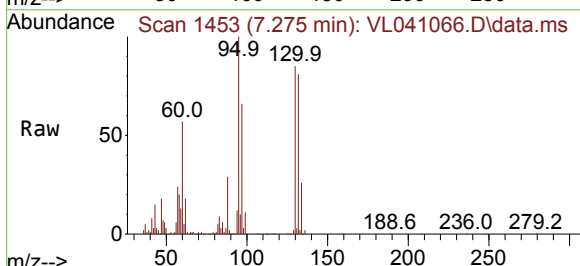
Ion Ratio Lower Upper

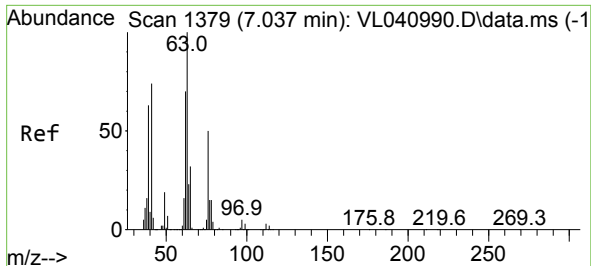
130 100

95 118.1 92.9 139.3

132 95.6 76.2 114.2

97 78.2 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.944 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

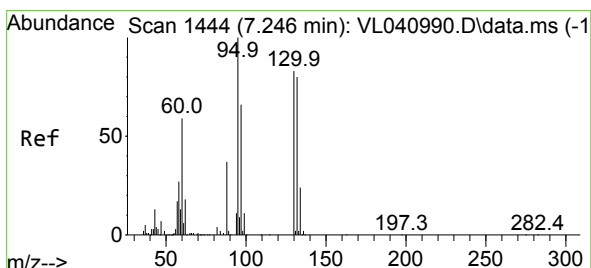
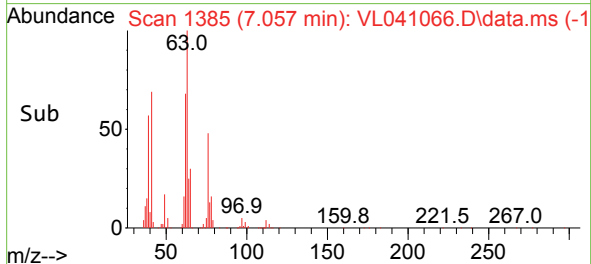
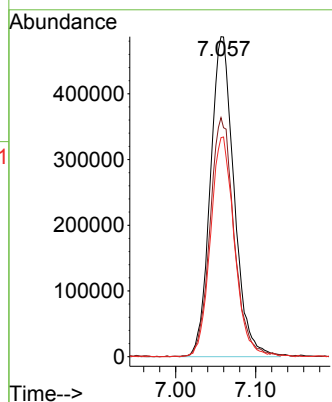
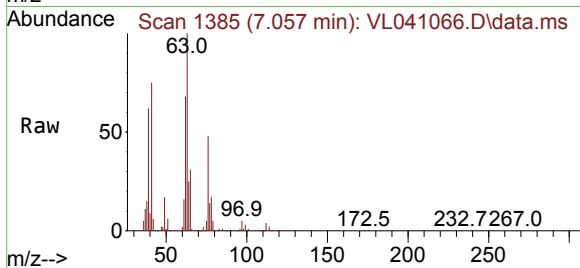
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 1003591

Ion	Ratio	Lower	Upper
63	100		
41	74.6	59.6	89.4
62	68.5	55.6	83.4



#40

1,4-Dioxane

Concen: 9.825 ppbv

RT: 7.269 min Scan# 1451

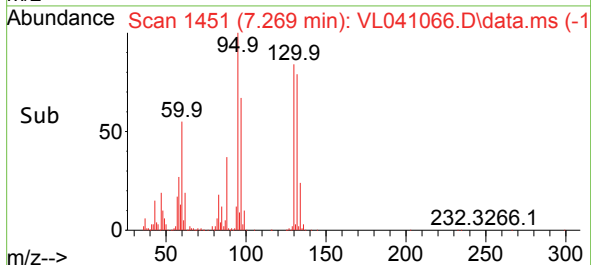
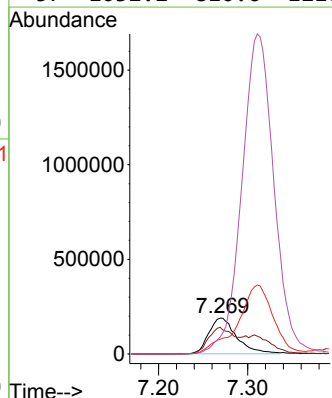
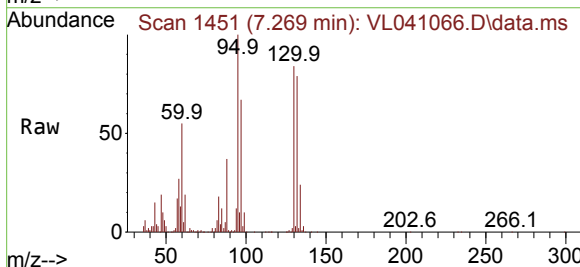
Delta R.T. 0.000 min

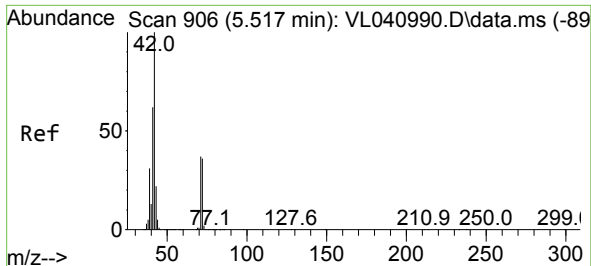
Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Tgt Ion: 88 Resp: 411880

Ion	Ratio	Lower	Upper
88	100		
58	121.2	96.6	144.8
43	244.8	191.0	286.6
57	1032.2	810.6	1216.0

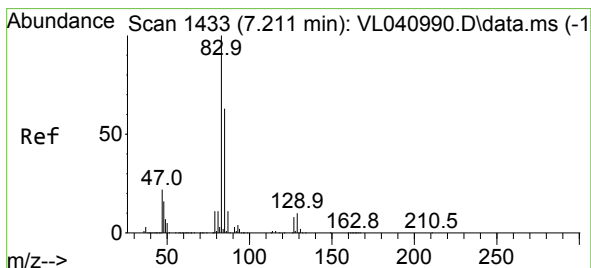
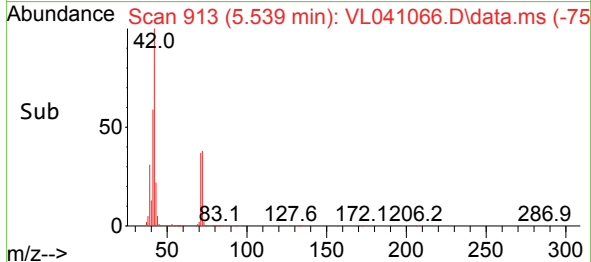
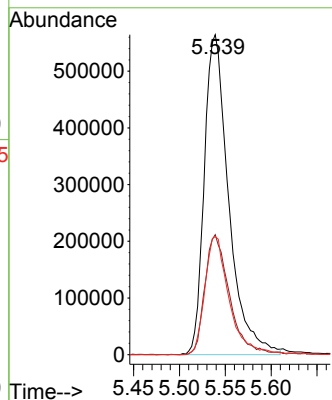
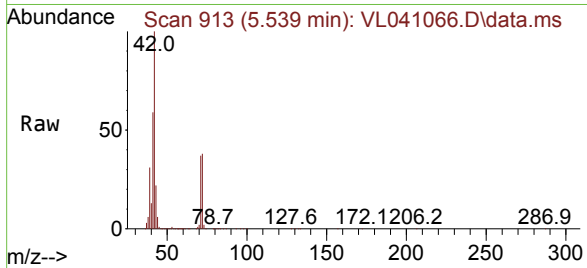




#41
Tetrahydrofuran
Concen: 10.438 ppbv
RT: 5.539 min Scan# 913
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

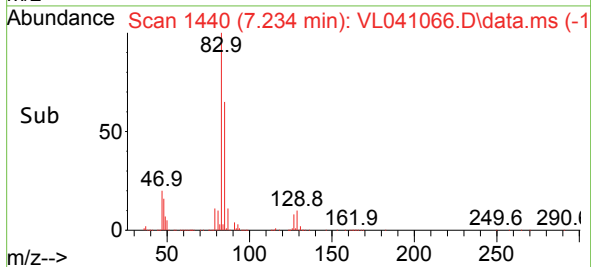
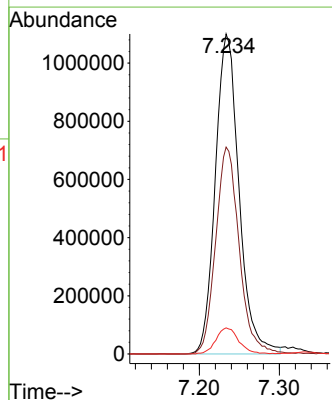
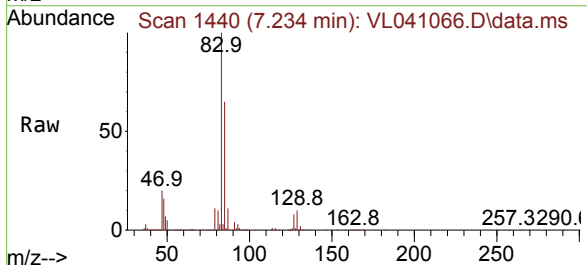
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

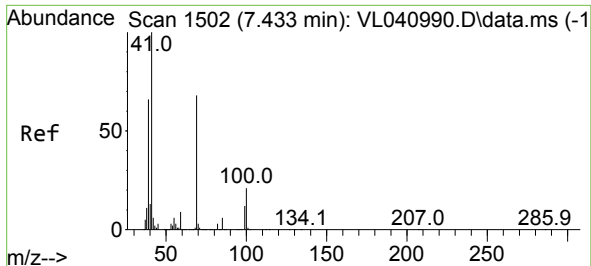
Tgt Ion: 42 Resp: 1047459
Ion Ratio Lower Upper
42 100
72 38.2 30.0 45.0
71 37.0 29.5 44.3



#42
Bromodichloromethane
Concen: 10.115 ppbv
RT: 7.234 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 83 Resp: 2262752
Ion Ratio Lower Upper
83 100
85 64.7 50.5 75.7
127 8.2 6.4 9.6



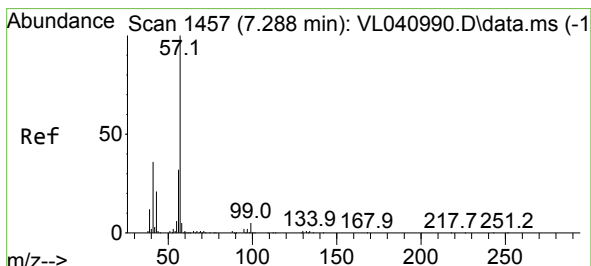
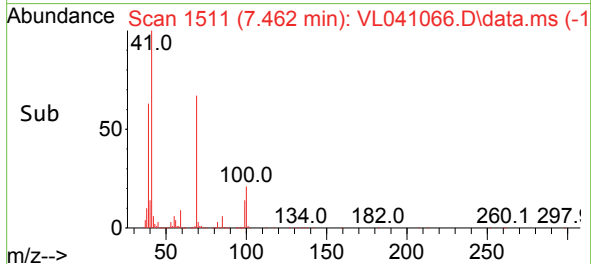
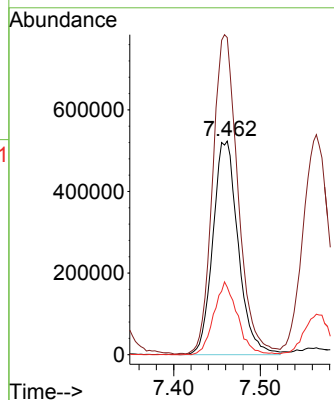
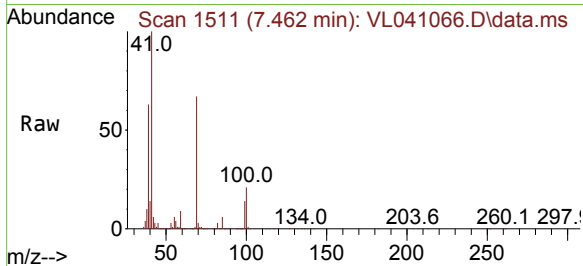


#43
Methyl Methacrylate
Concen: 10.731 ppbv
RT: 7.462 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1060937

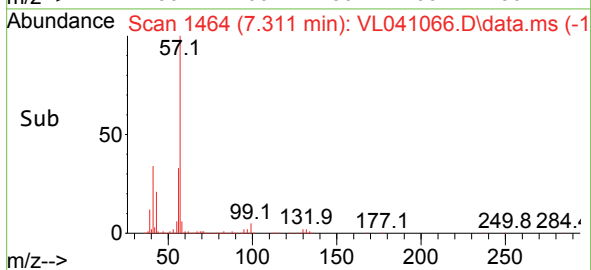
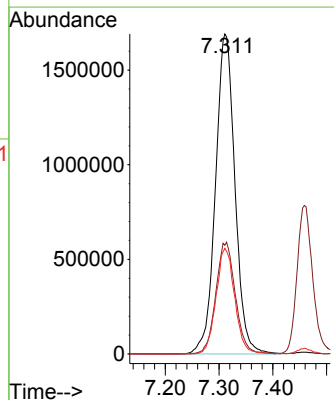
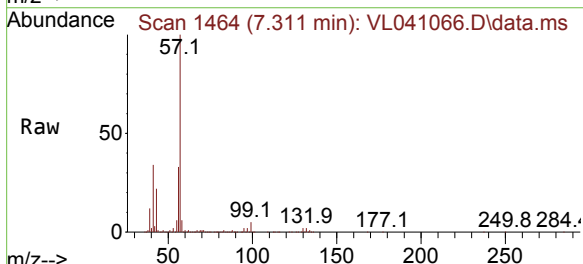
Ion	Ratio	Lower	Upper
69	100		
41	149.9	120.2	180.2
100	31.9	24.6	36.8

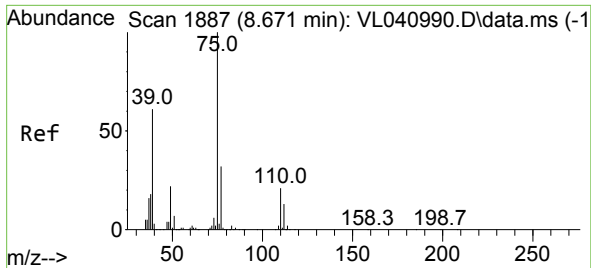


#44
2,2,4-Trimethylpentane
Concen: 9.857 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 57 Resp: 4249467

Ion	Ratio	Lower	Upper
57	100		
41	35.0	28.6	43.0
56	31.6	25.2	37.8

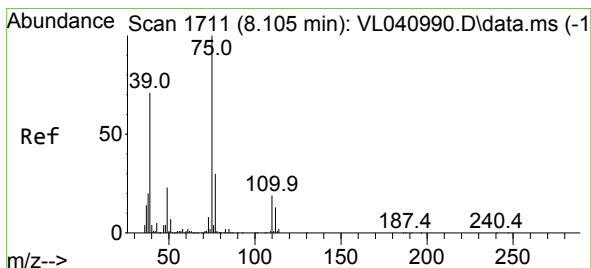
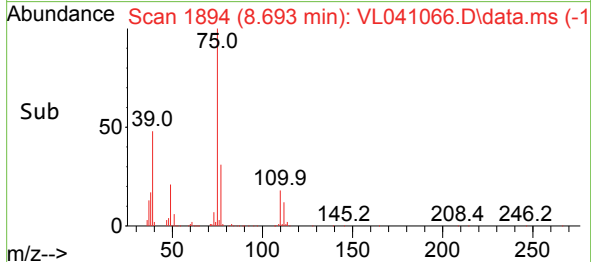
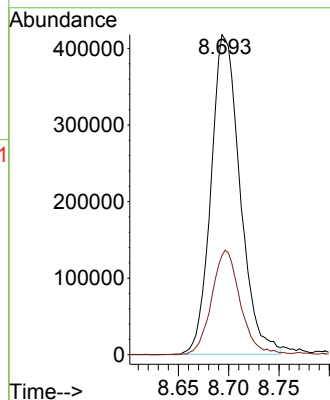
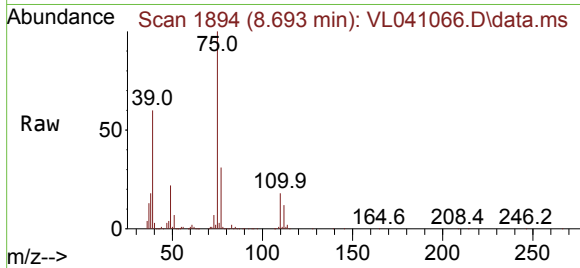




#45
 t-1,3-Dichloropropene
 Concen: 12.388 ppbv
 RT: 8.693 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

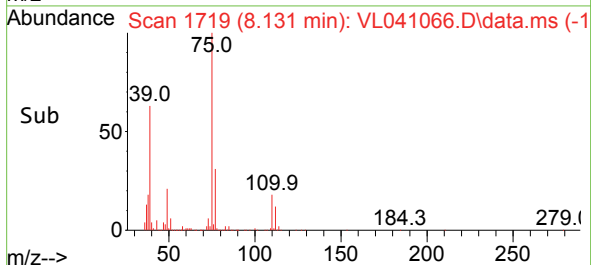
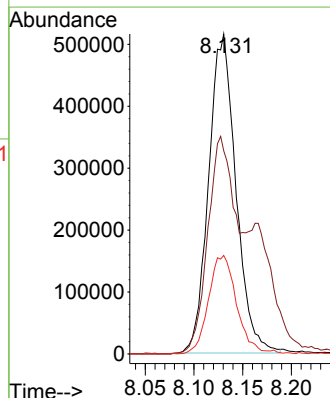
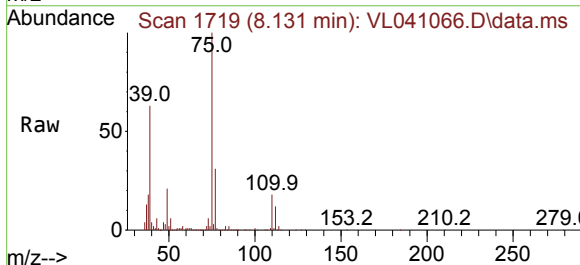
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

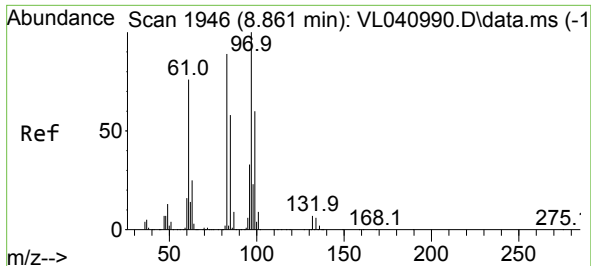
Tgt Ion: 75 Resp: 836820
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 11.899 ppbv
 RT: 8.131 min Scan# 1719
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 75 Resp: 1002417
 Ion Ratio Lower Upper
 75 100
 39 63.1 57.3 85.9
 77 30.8 24.3 36.5



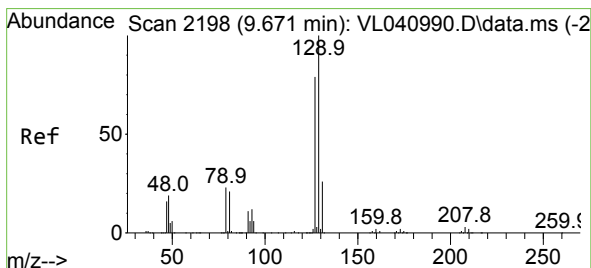
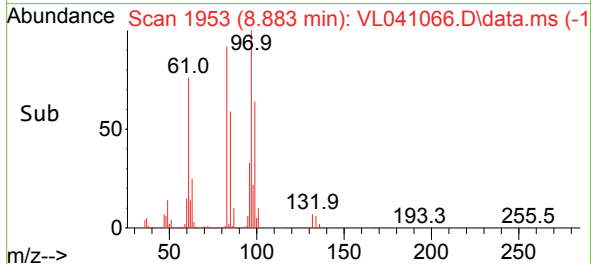
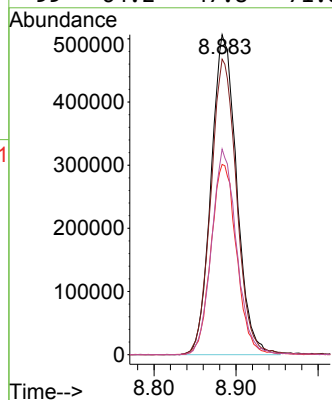
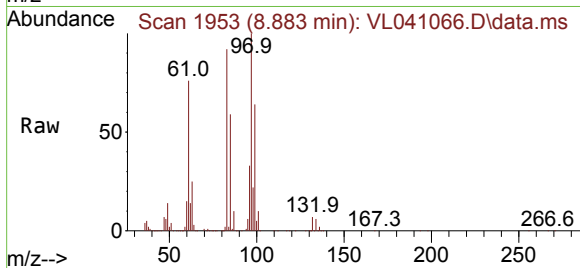


#47
 1,1,2-Trichloroethane
 Concen: 10.082 ppbv
 RT: 8.883 min Scan# 1946
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1096757

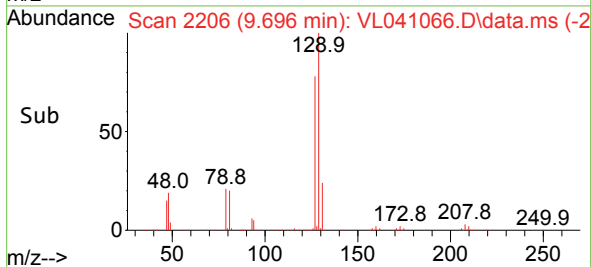
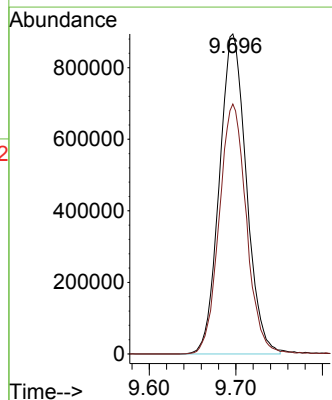
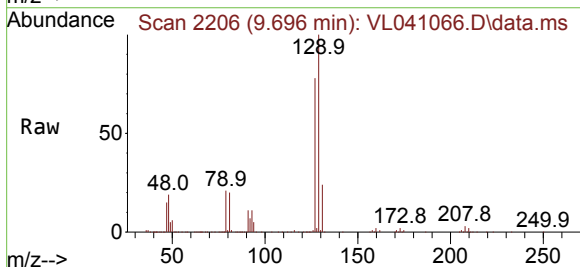
Ion	Ratio	Lower	Upper
97	100		
83	92.3	71.5	107.3
85	59.3	46.1	69.1
99	64.2	47.8	71.8

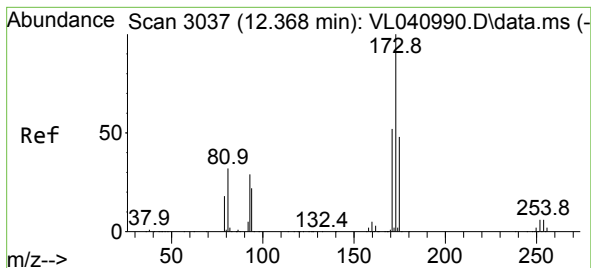


#48
 Dibromochloromethane
 Concen: 10.512 ppbv
 RT: 9.696 min Scan# 2206
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 129 Resp: 1933462

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.6	119.0





#49

Bromoform

Concen: 10.945 ppbv

RT: 12.394 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

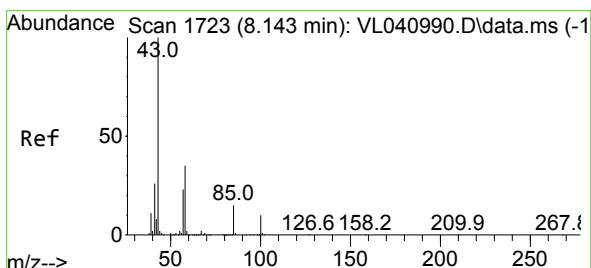
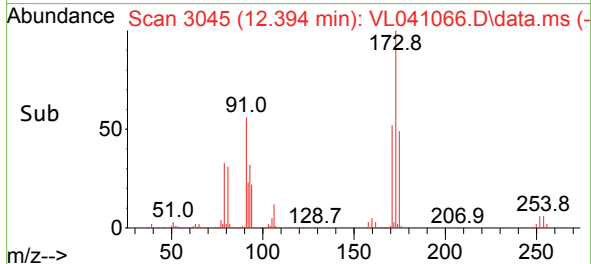
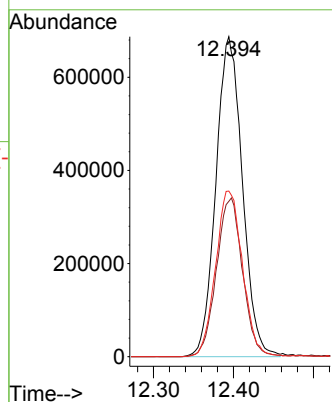
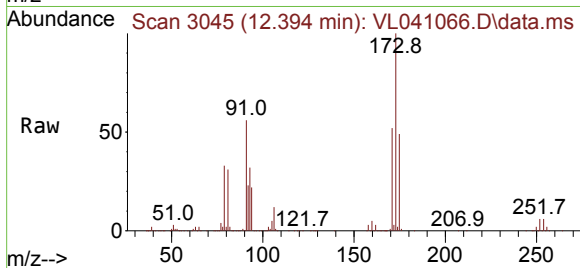
Tgt Ion:173 Resp: 1578960

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

171 53.0 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.440 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. 0.000 min

Lab File: VL041066.D

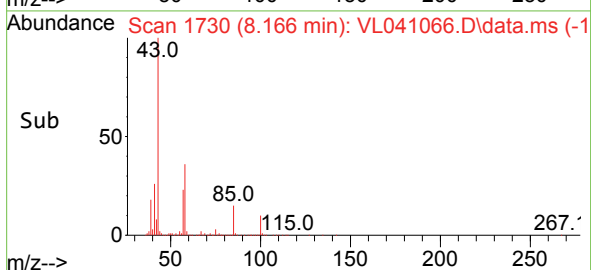
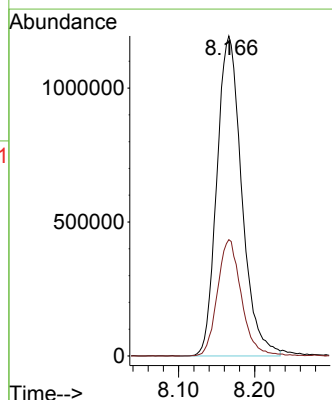
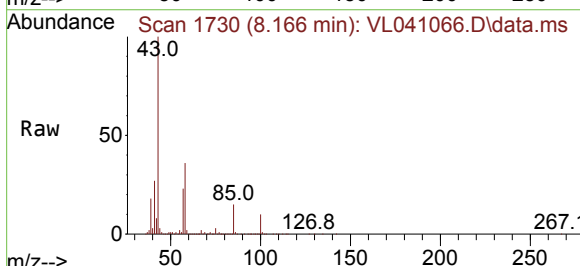
Acq: 15 Feb 2024 11:34

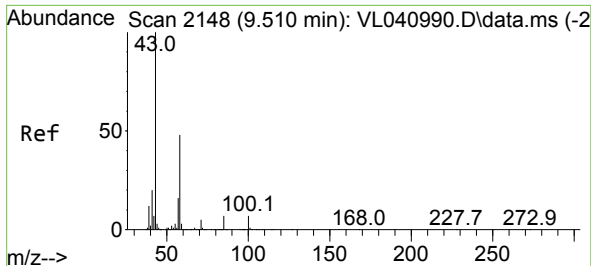
Tgt Ion: 43 Resp: 2717349

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8

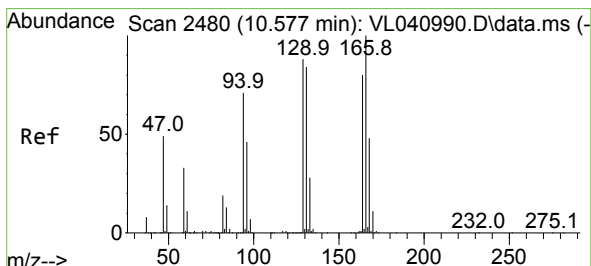
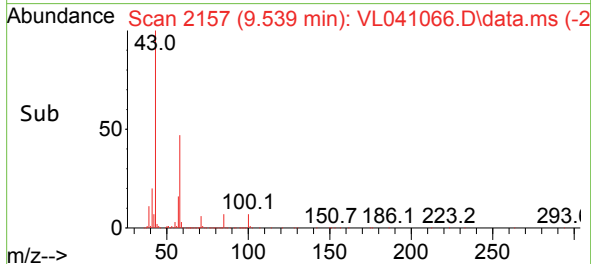
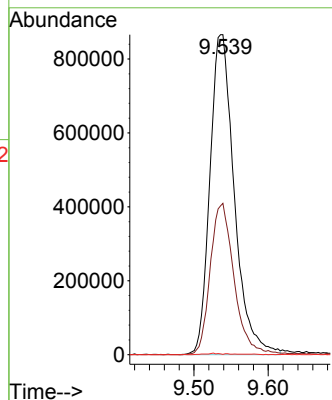
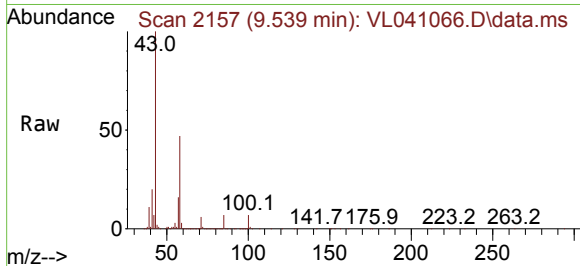




#51
2-Hexanone
Concen: 10.505 ppbv
RT: 9.539 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

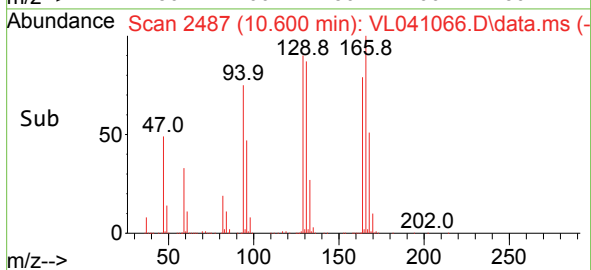
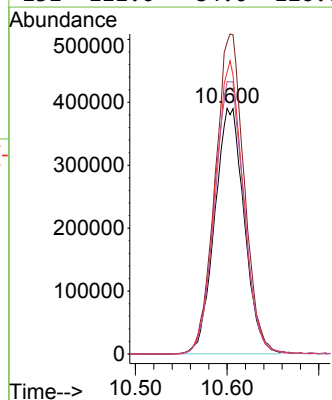
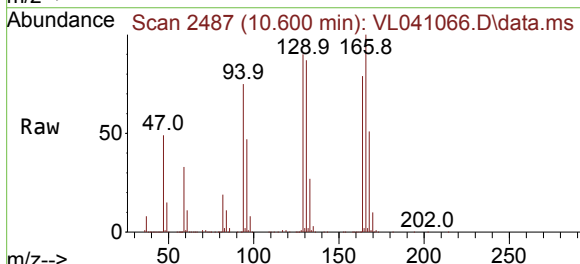
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

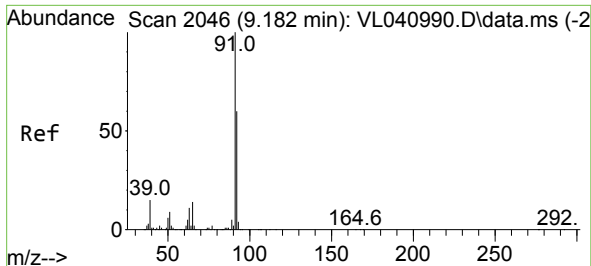
Tgt Ion: 43 Resp: 1970858
Ion Ratio Lower Upper
43 100
58 46.7 36.8 55.2
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.284 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 164 Resp: 874994
Ion Ratio Lower Upper
164 100
166 126.6 100.2 150.2
129 114.5 87.9 131.9
131 111.0 84.0 126.0

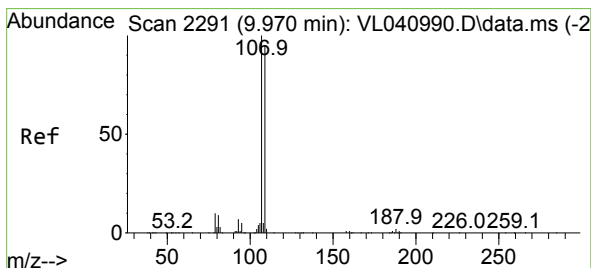
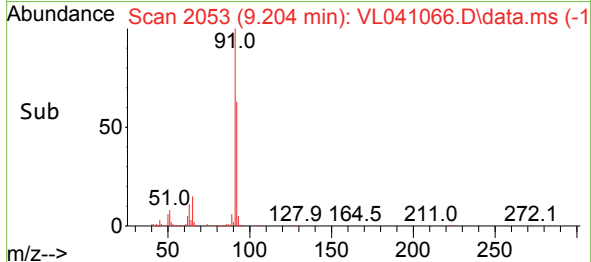
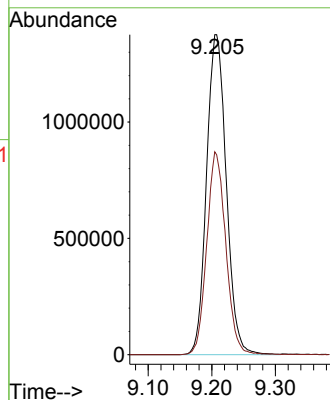
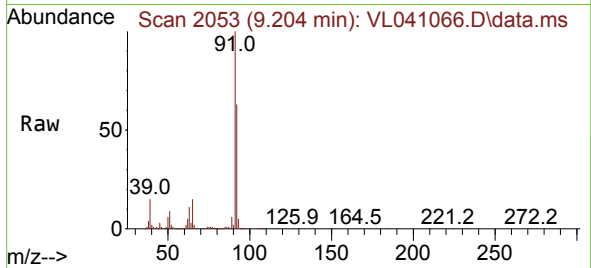




#53
Toluene
Concen: 10.555 ppbv
RT: 9.204 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

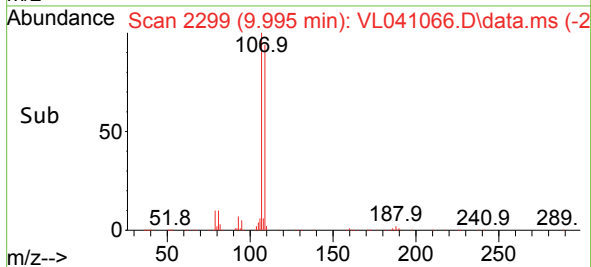
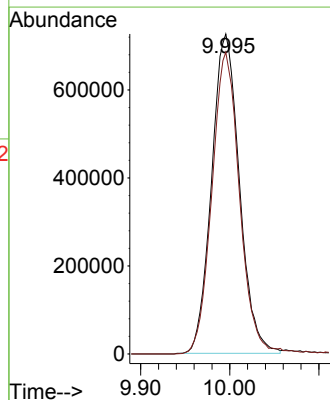
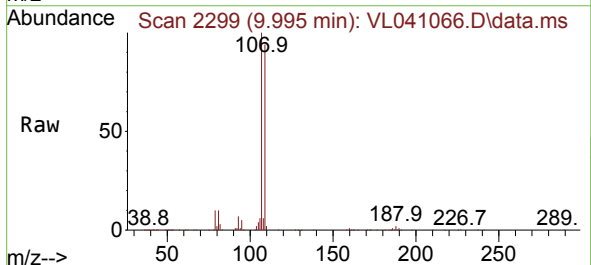
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

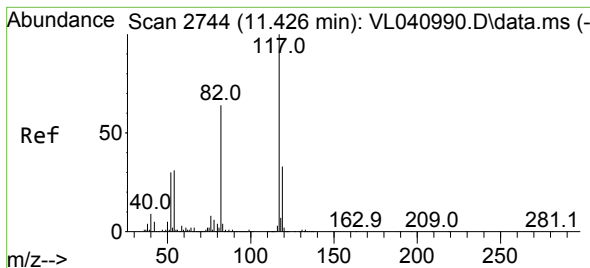
Tgt Ion: 91 Resp: 2962362
Ion Ratio Lower Upper
91 100
92 61.3 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.681 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 107 Resp: 1573567
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# 21

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

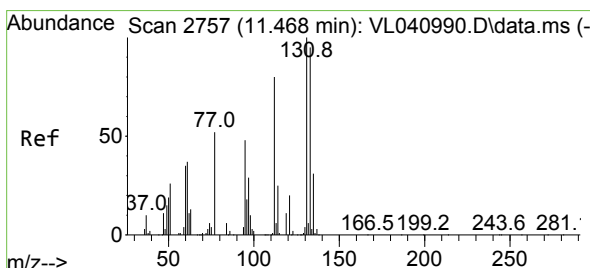
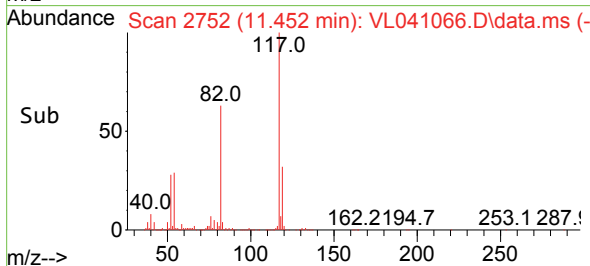
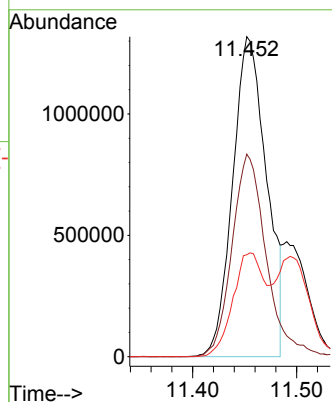
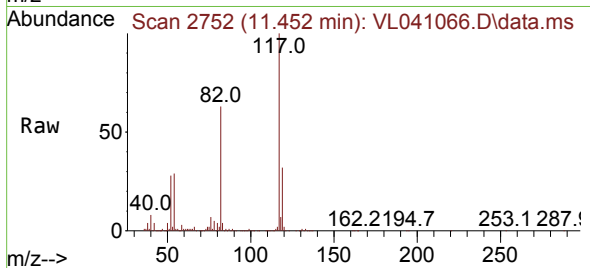
Tgt Ion:117 Resp: 2988409

Ion Ratio Lower Upper

117 100

82 64.2 51.7 77.5

119 29.1 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 9.880 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

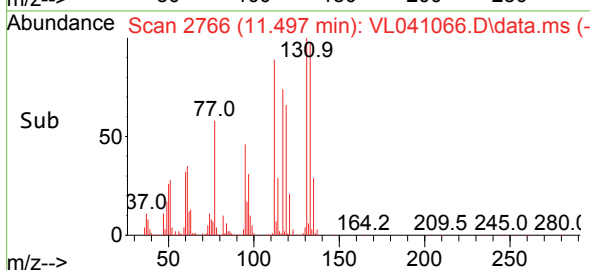
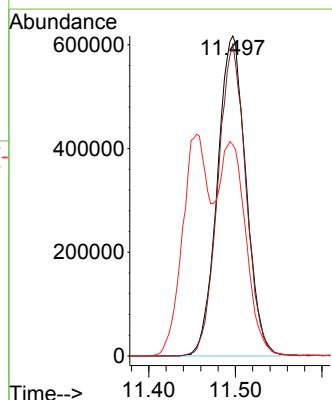
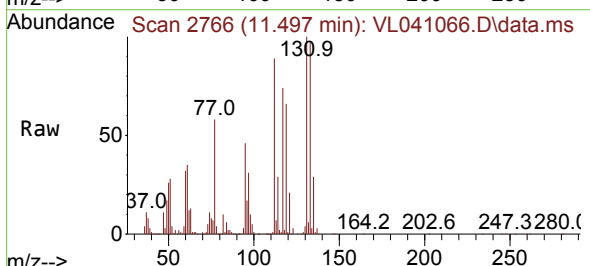
Tgt Ion:131 Resp: 1416650

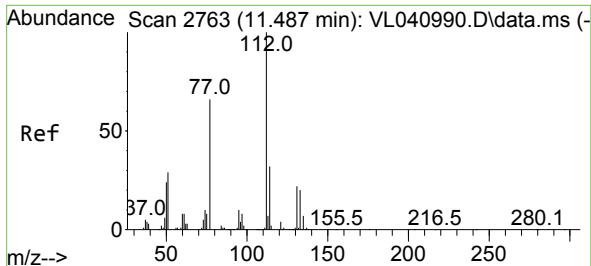
Ion Ratio Lower Upper

131 100

133 95.4 75.9 113.9

119 60.3 49.2 73.8





#57

Chlorobenzene

Concen: 9.668 ppbv

RT: 11.513 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

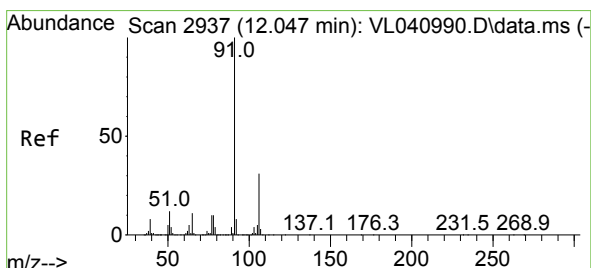
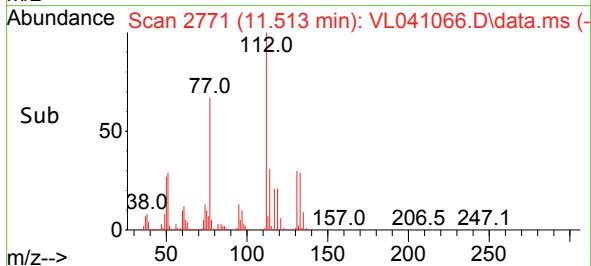
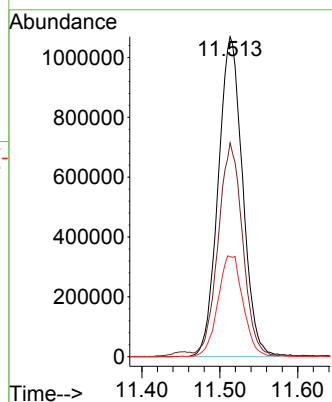
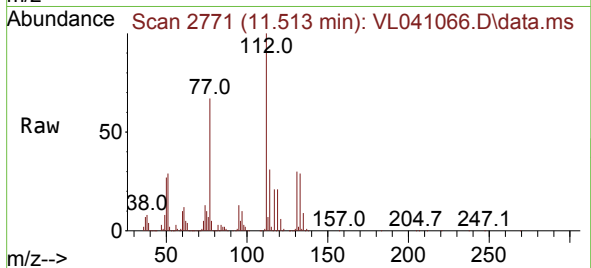
Tgt Ion:112 Resp: 2323935

Ion Ratio Lower Upper

112 100

77 66.4 53.4 80.0

114 31.2 29.1 35.5



#58

Ethyl Benzene

Concen: 10.080 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041066.D

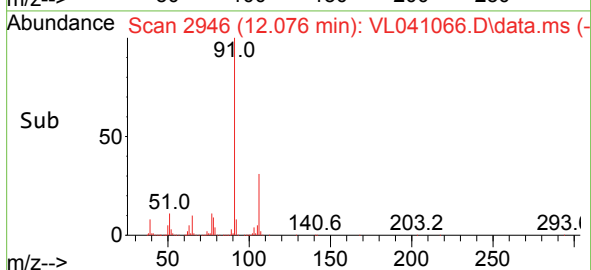
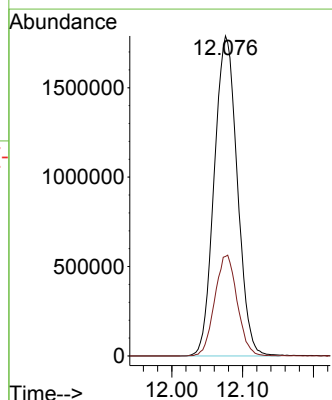
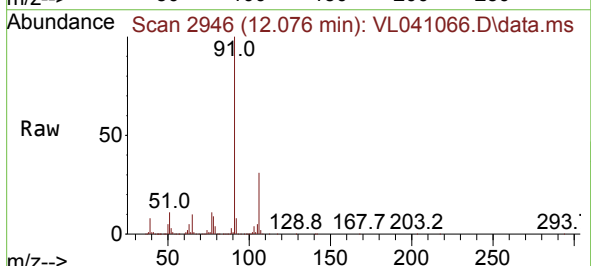
Acq: 15 Feb 2024 11:34

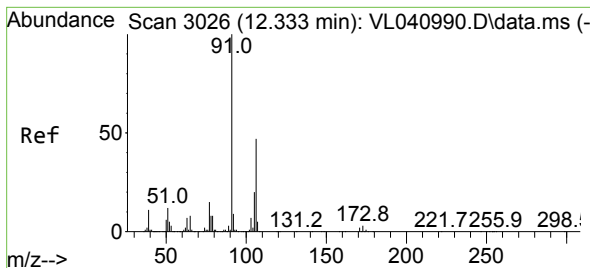
Tgt Ion: 91 Resp: 4044845

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2





#59

m/p-Xylene

Concen: 10.445 ppbv

RT: 12.359 min Scan# 3026

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

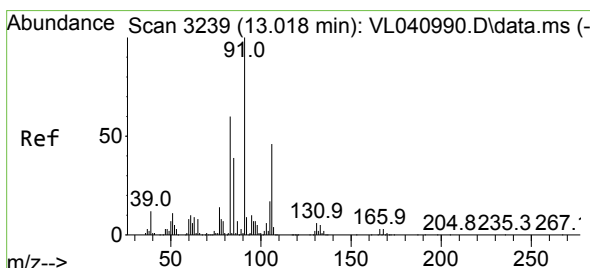
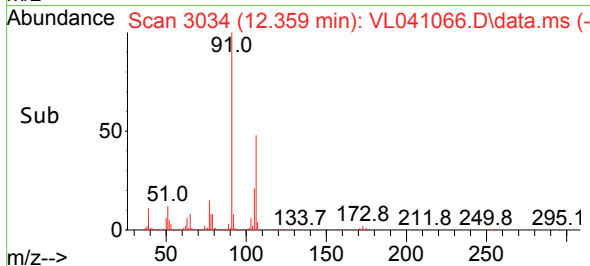
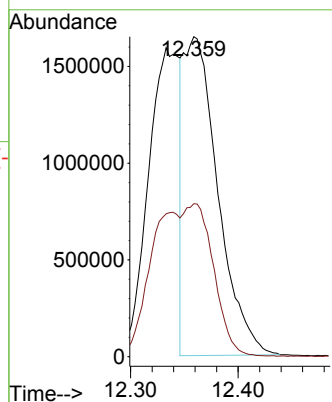
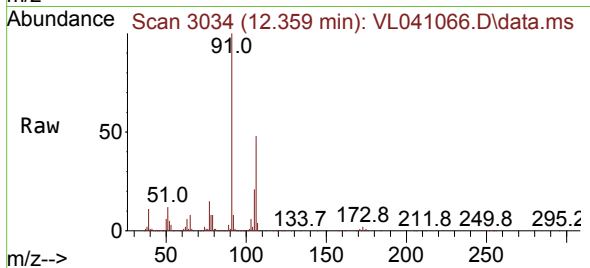
VSTDCCC010

Tgt Ion: 91 Resp: 3654687

Ion Ratio Lower Upper

91 100

106 84.1 34.9 52.3#



#60

o-Xylene

Concen: 9.860 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041066.D

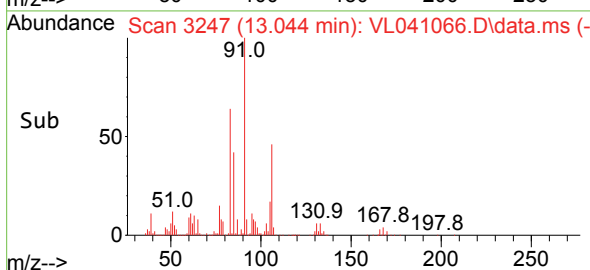
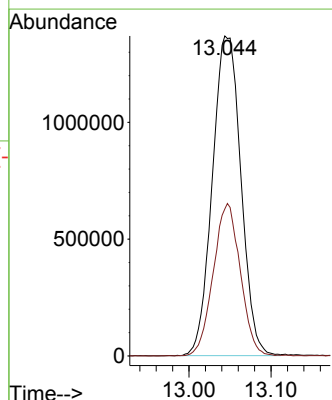
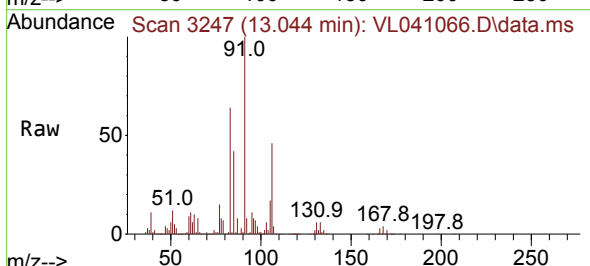
Acq: 15 Feb 2024 11:34

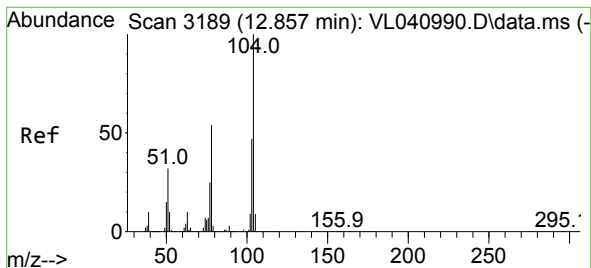
Tgt Ion: 91 Resp: 3309907

Ion Ratio Lower Upper

91 100

106 45.4 22.6 67.7





#61

Styrene

Concen: 11.080 ppbv

RT: 12.886 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

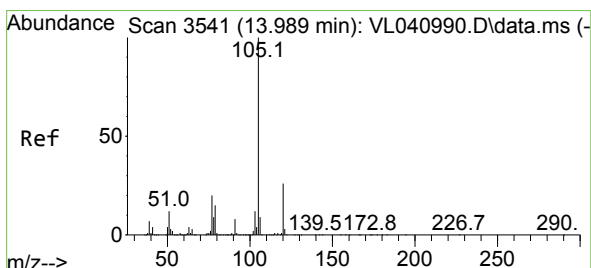
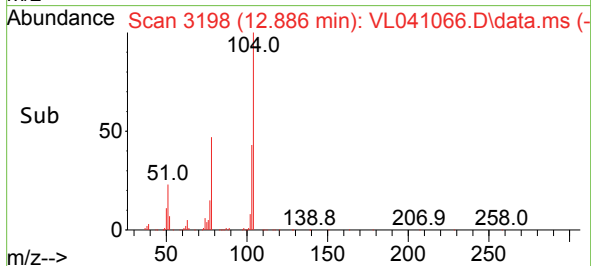
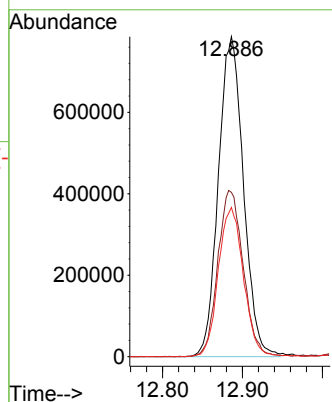
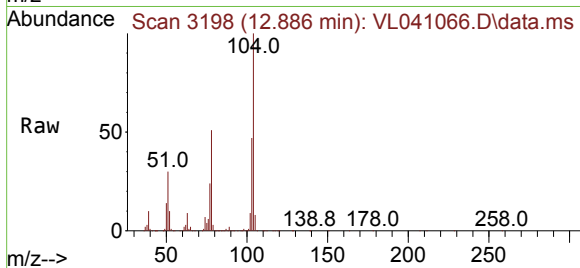
Tgt Ion:104 Resp: 1707913

Ion Ratio Lower Upper

104 100

78 52.8 42.7 64.1

103 47.0 37.6 56.4



#62

Isopropylbenzene

Concen: 9.719 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.000 min

Lab File: VL041066.D

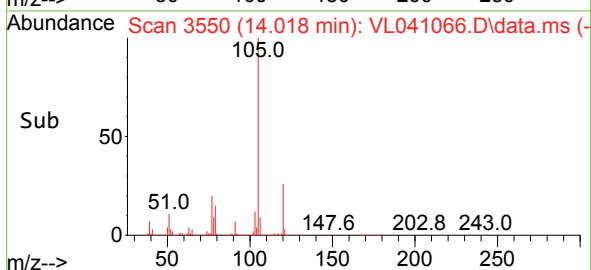
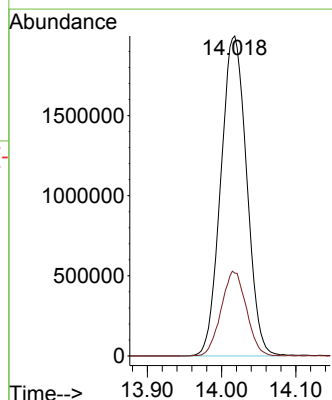
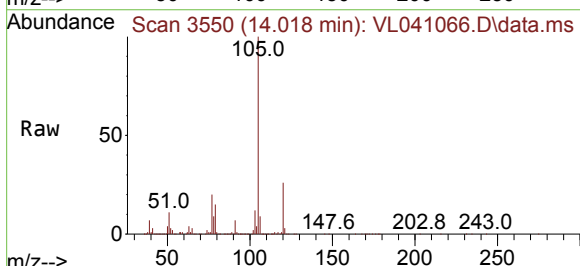
Acq: 15 Feb 2024 11:34

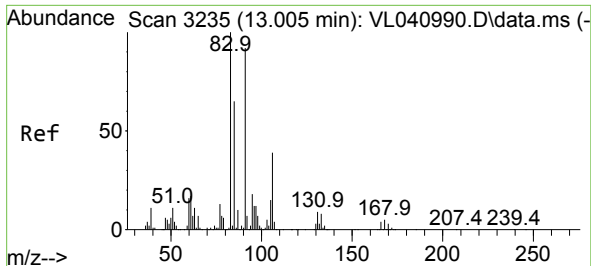
Tgt Ion:105 Resp: 4825077

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

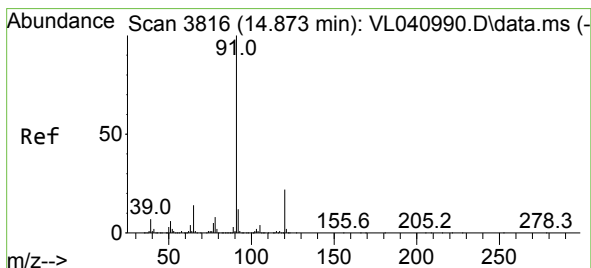
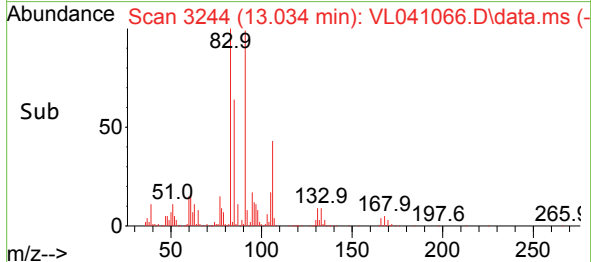
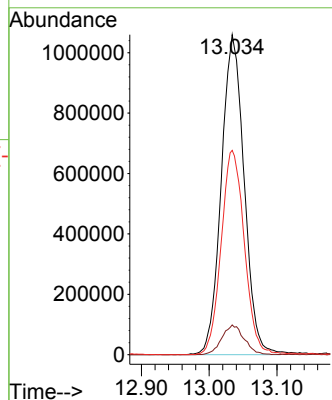
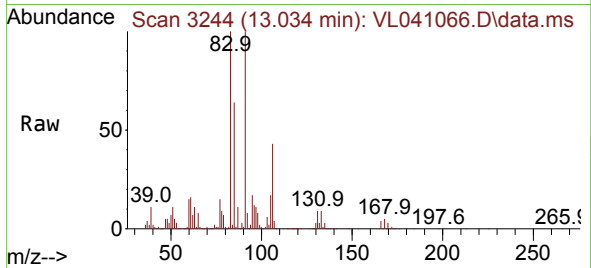




#63
1,1,2,2-Tetrachloroethane
Concen: 9.487 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

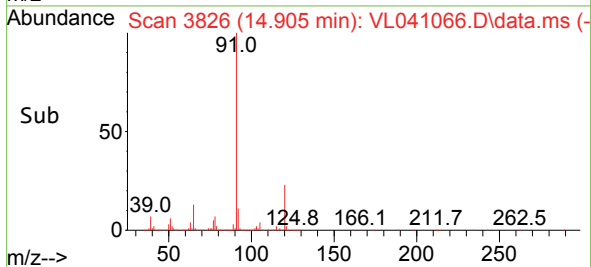
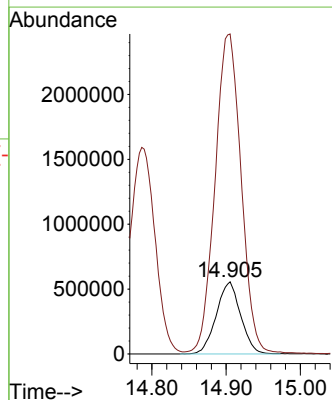
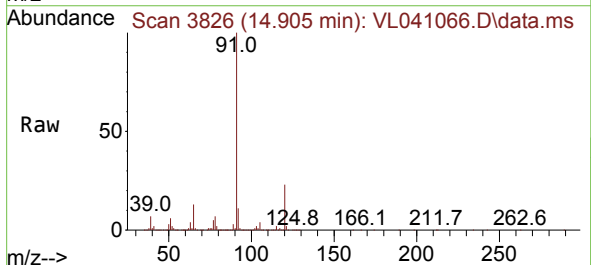
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

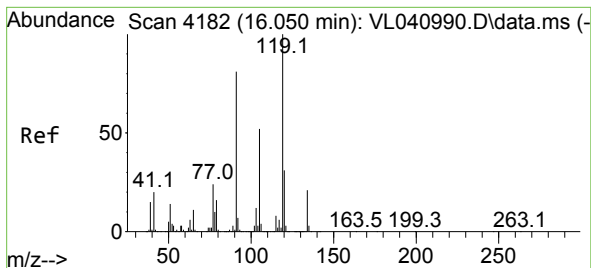
Tgt Ion: 83 Resp: 2475062
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 65.1 33.0 99.0



#64
n-propylbenzene
Concen: 10.099 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 120 Resp: 1266631
Ion Ratio Lower Upper
120 100
91 477.2 390.6 585.8





#65

tert-Butylbenzene

Concen: 9.746 ppbv

RT: 16.076 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

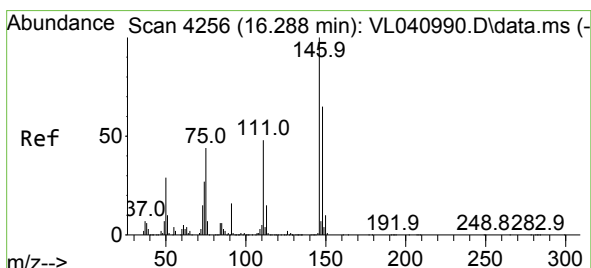
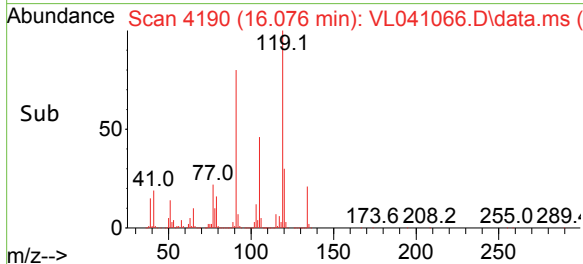
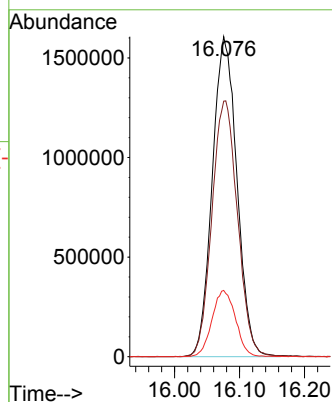
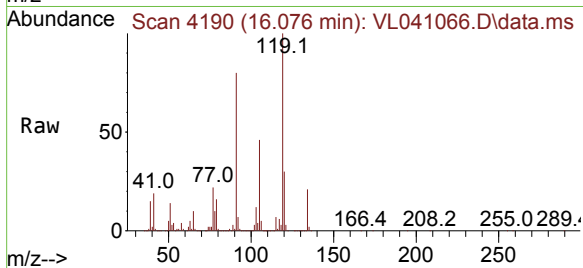
Tgt Ion:119 Resp: 4227407

Ion Ratio Lower Upper

119 100

91 83.2 67.6 101.4

134 19.9 16.1 24.1



#66

Benzyl Chloride

Concen: 10.597 ppbv

RT: 16.314 min Scan# 4264

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

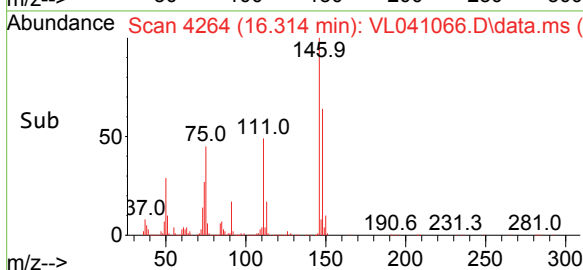
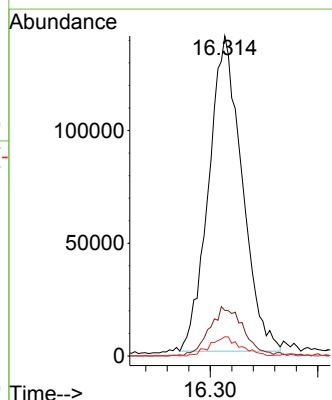
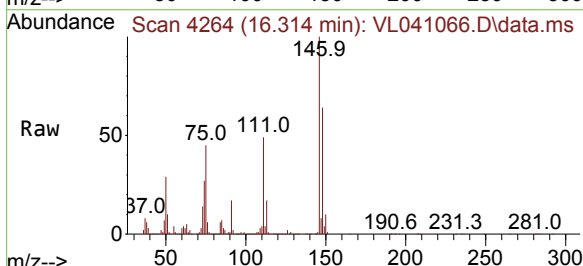
Tgt Ion: 91 Resp: 301213

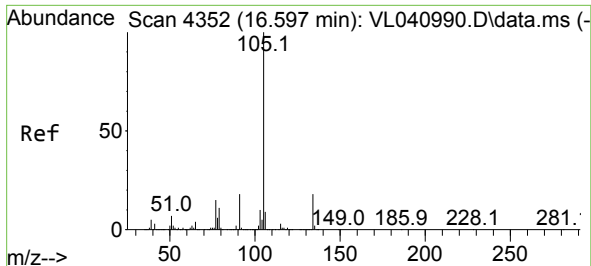
Ion Ratio Lower Upper

91 100

126 16.3 13.6 20.4

128 5.9 4.2 6.2

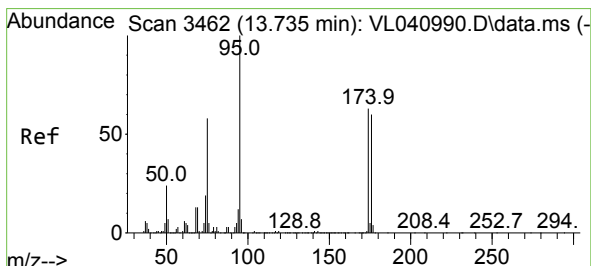
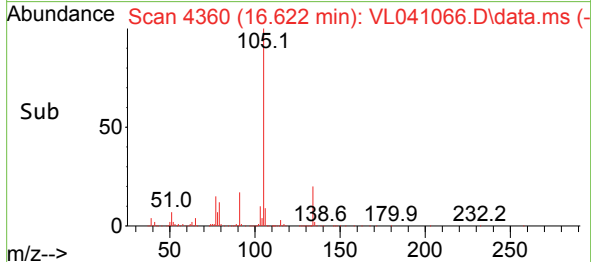
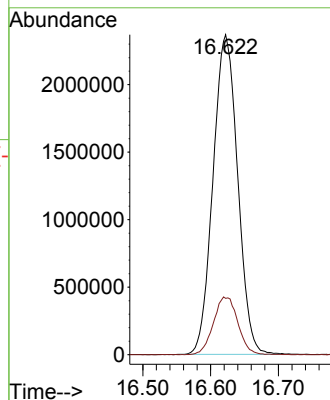
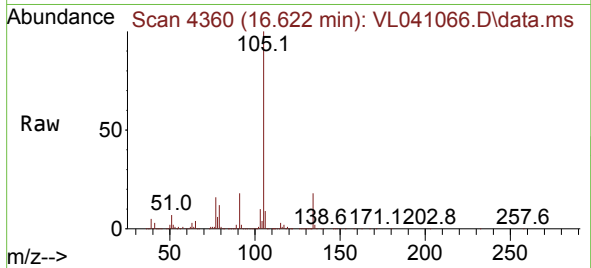




#67
 sec-Butylbenzene
 Concen: 9.469 ppbv
 RT: 16.622 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

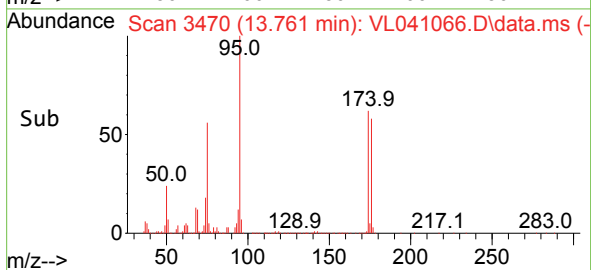
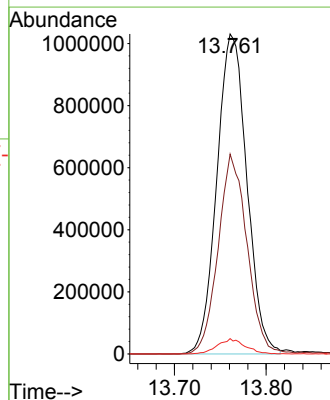
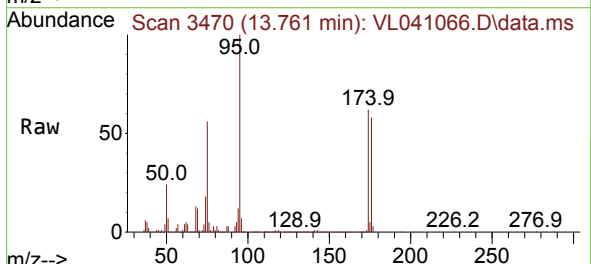
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

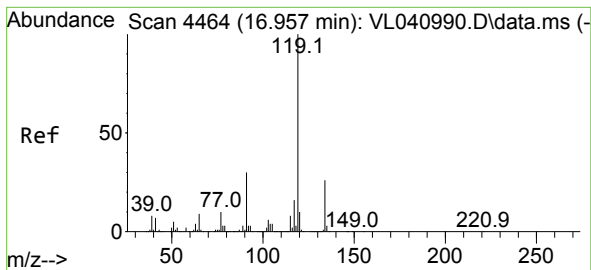
Tgt Ion:105 Resp: 5980569
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.384 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion: 95 Resp: 2343919
 Ion Ratio Lower Upper
 95 100
 174 60.5 49.1 73.7
 175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.849 ppbv

RT: 16.979 min Scan# 4464

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

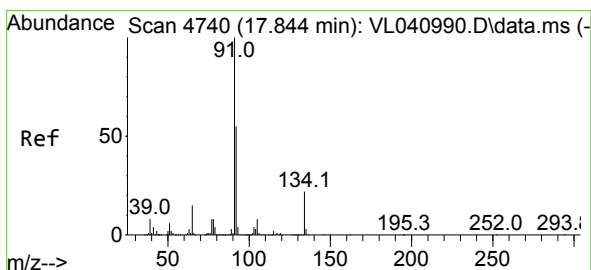
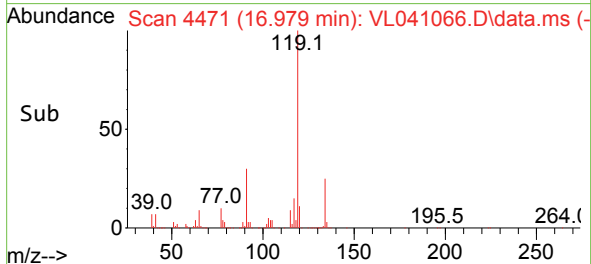
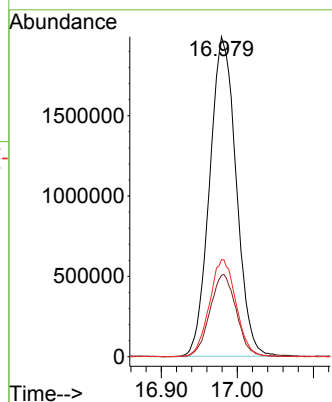
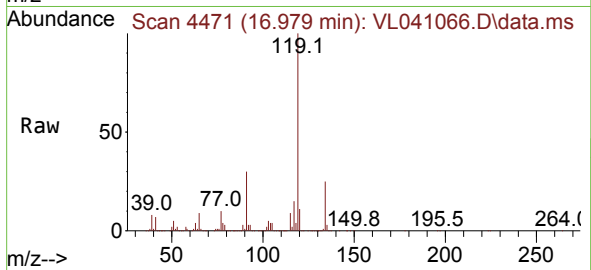
Tgt Ion:119 Resp: 4818240

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 30.6 24.5 36.7



#70

n-Butylbenzene

Concen: 9.792 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

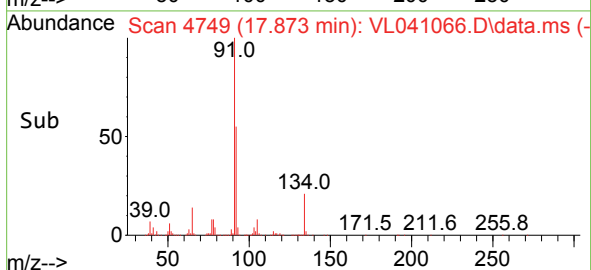
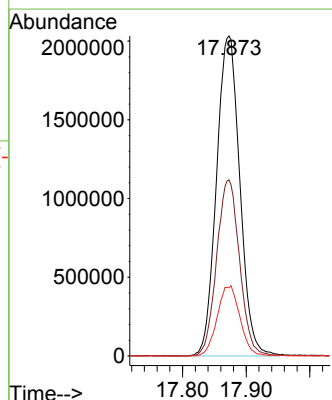
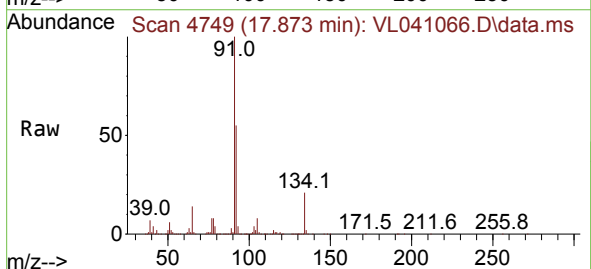
Tgt Ion: 91 Resp: 5176710

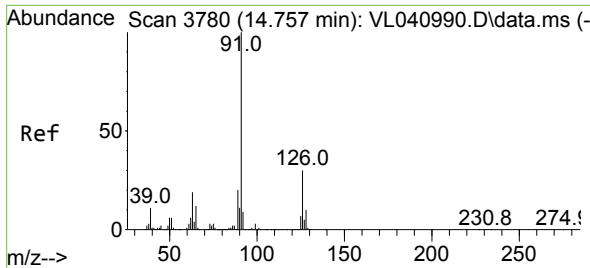
Ion Ratio Lower Upper

91 100

92 54.1 43.4 65.0

134 21.5 17.4 26.0

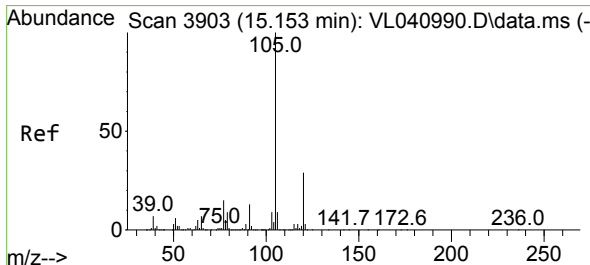
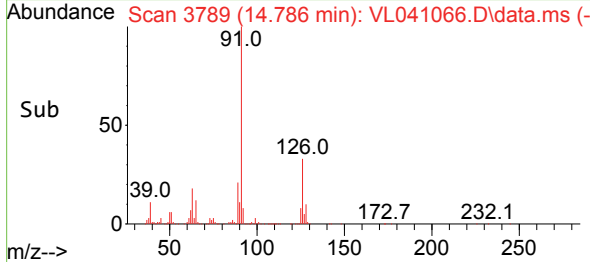
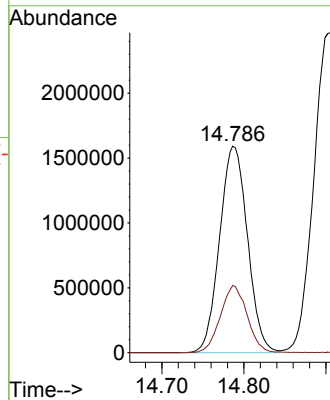
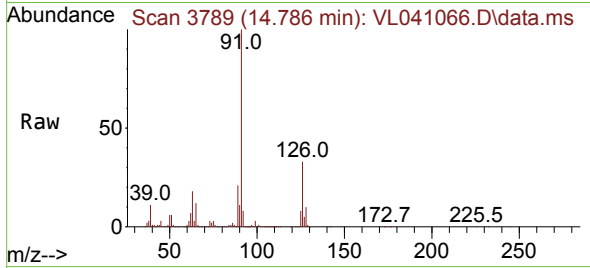




#71
2-Chlorotoluene
Concen: 9.826 ppbv
RT: 14.786 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

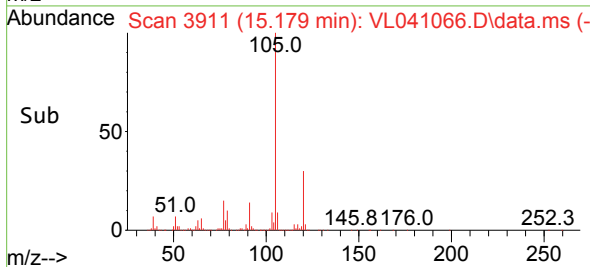
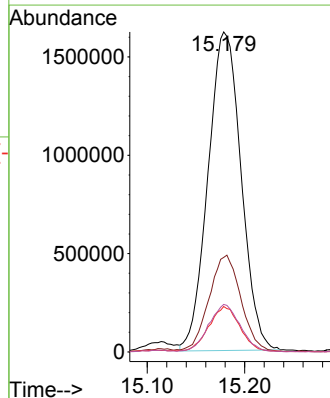
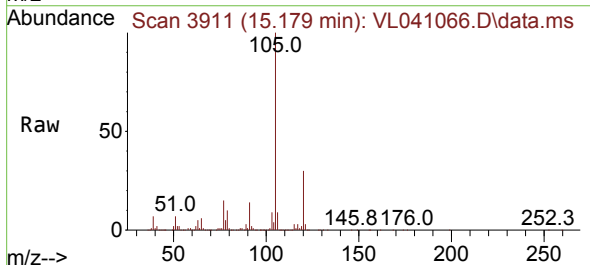
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

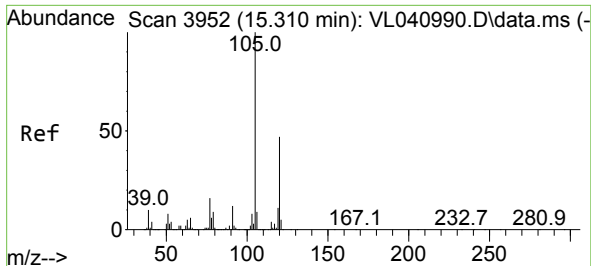
Tgt Ion: 91 Resp: 3764043
Ion Ratio Lower Upper
91 100
126 31.2 12.3 49.1



#72
4-Ethyltoluene
Concen: 10.185 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.000 min
Lab File: VL041066.D
Acq: 15 Feb 2024 11:34

Tgt Ion: 105 Resp: 3818735
Ion Ratio Lower Upper
105 100
120 30.5 24.3 36.5
91 13.4 11.0 16.4
77 14.4 11.8 17.8

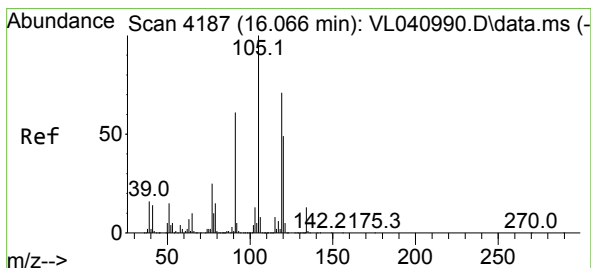
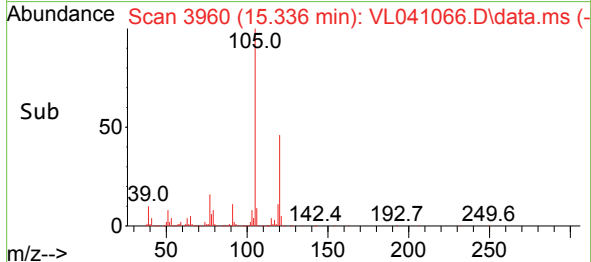
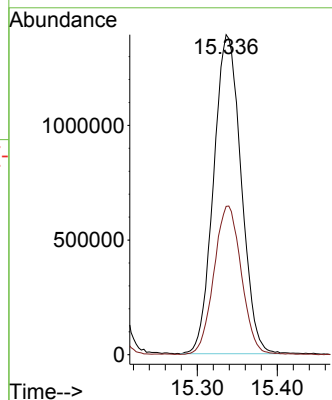
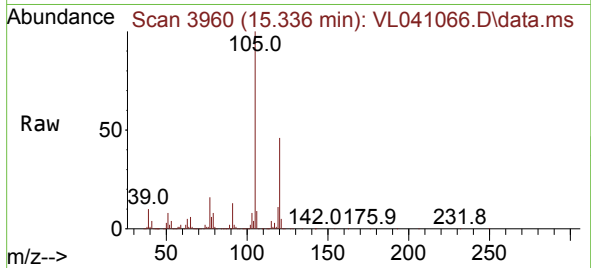




#73
 1,3,5-Trimethylbenzene
 Concen: 9.977 ppbv
 RT: 15.336 min Scan# 3952
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

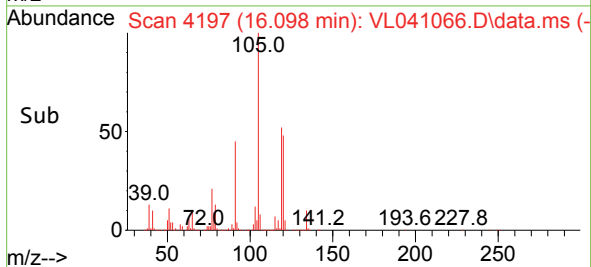
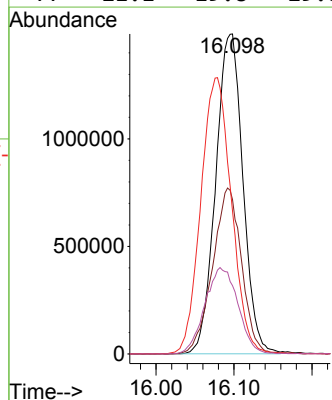
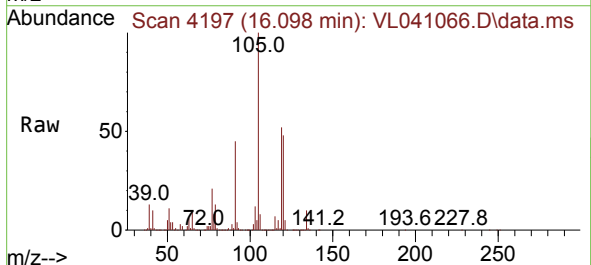
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

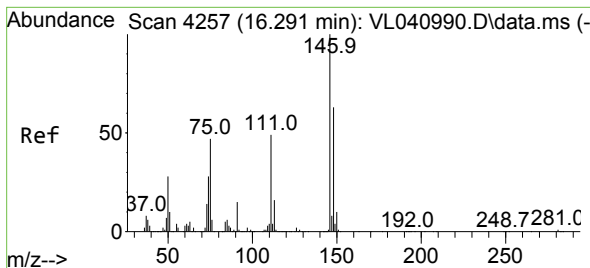
Tgt Ion:105 Resp: 3319699
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.2 55.8



#74
 1,2,4-Trimethylbenzene
 Concen: 9.570 ppbv
 RT: 16.098 min Scan# 4197
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Tgt Ion:105 Resp: 3609784
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.3 58.9
 91 44.3 48.7 73.1#
 77 21.1 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 9.747 ppbv

RT: 16.317 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

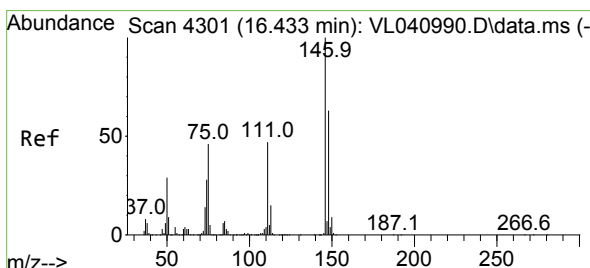
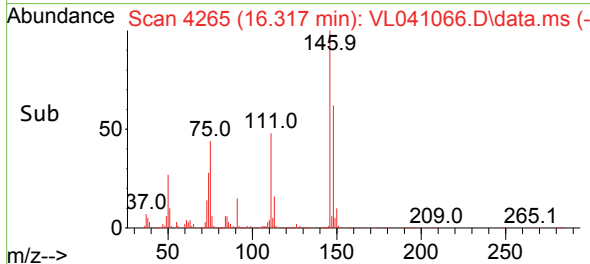
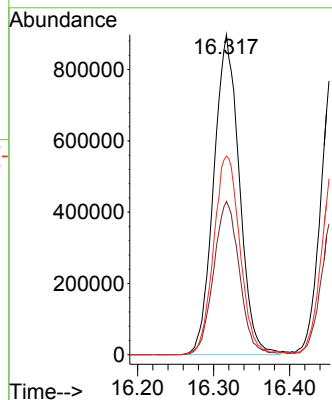
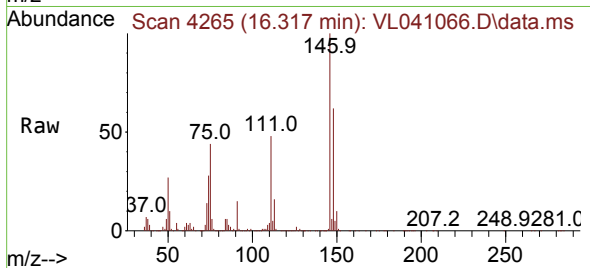
Tgt Ion:146 Resp: 2092309

Ion Ratio Lower Upper

146 100

111 48.5 24.4 73.2

148 64.4 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 9.647 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

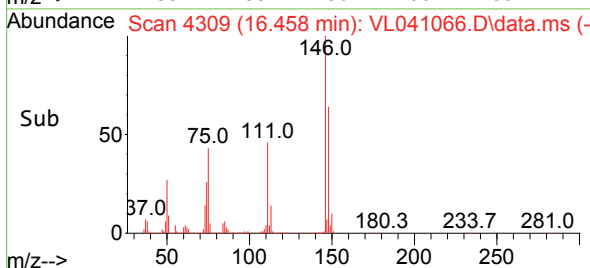
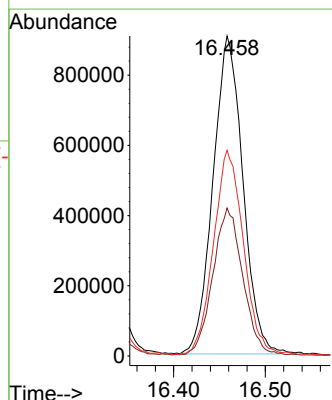
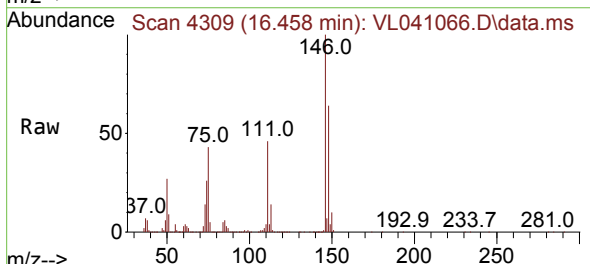
Tgt Ion:146 Resp: 2043610

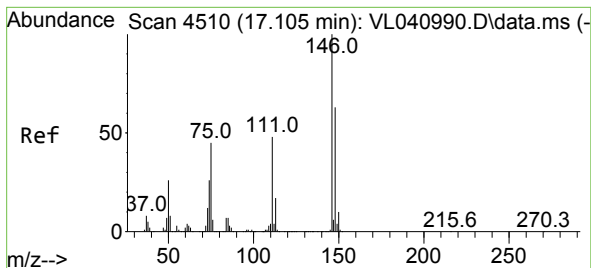
Ion Ratio Lower Upper

146 100

111 47.3 24.0 72.0

148 66.3 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.532 ppbv

RT: 17.127 min Scan# 4510

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

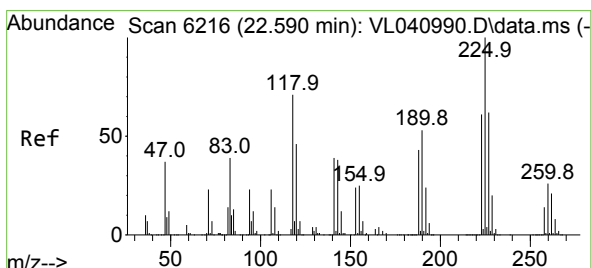
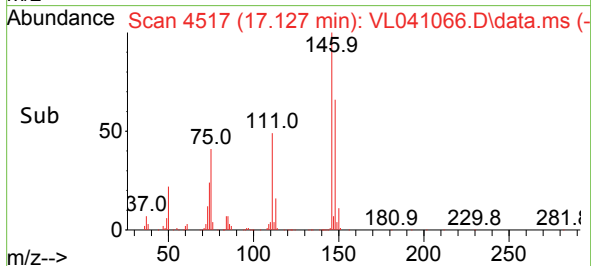
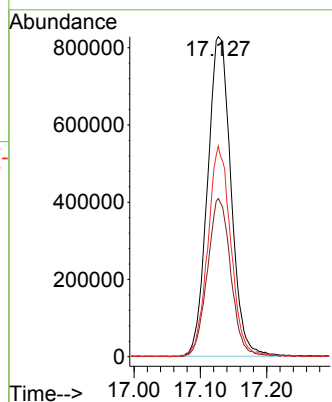
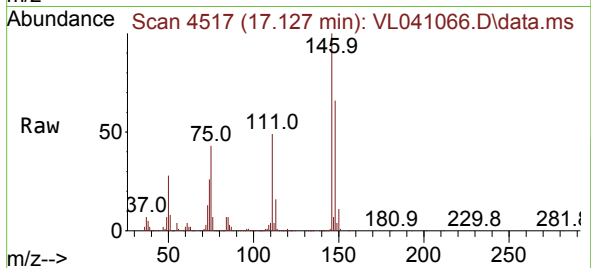
Tgt Ion:146 Resp: 2033821

Ion Ratio Lower Upper

146 100

111 49.6 24.8 74.3

148 64.6 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 4.390 ppbv

RT: 22.616 min Scan# 6224

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

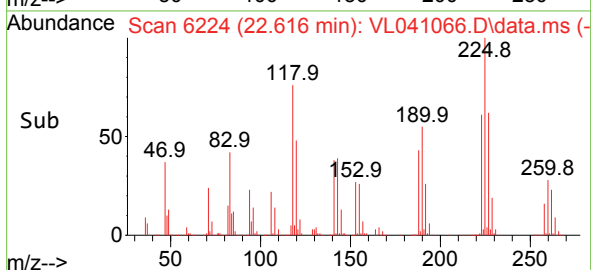
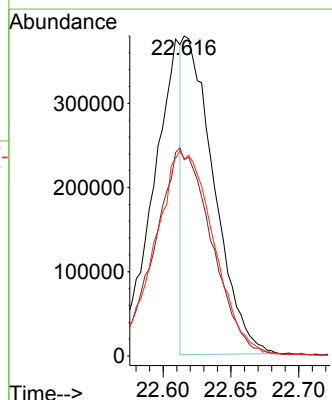
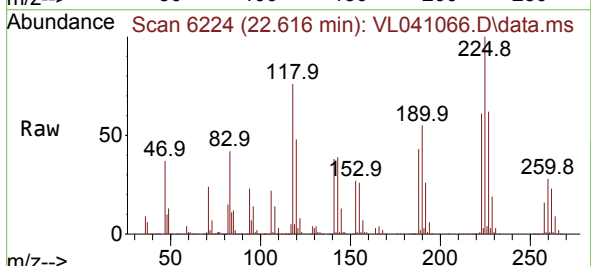
Tgt Ion:225 Resp: 604026

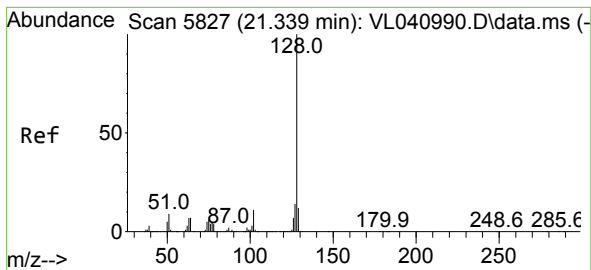
Ion Ratio Lower Upper

225 100

223 121.2 51.1 76.7#

227 123.5 51.0 76.4#





#79

Naphthalene

Concen: 12.465 ppbv

RT: 21.368 min Scan# 5836

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

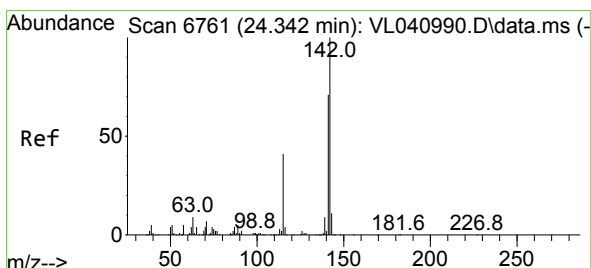
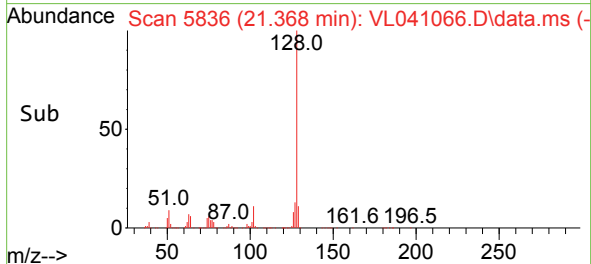
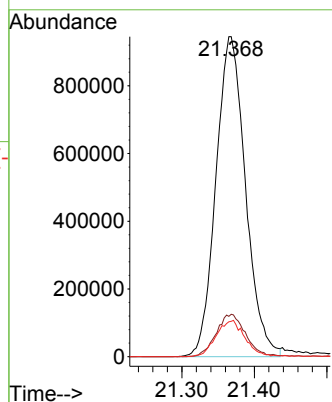
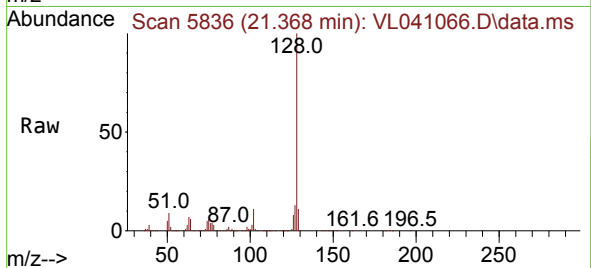
Tgt Ion:128 Resp: 2682130

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

129 11.1 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 11.307 ppbv

RT: 24.361 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041066.D

Acq: 15 Feb 2024 11:34

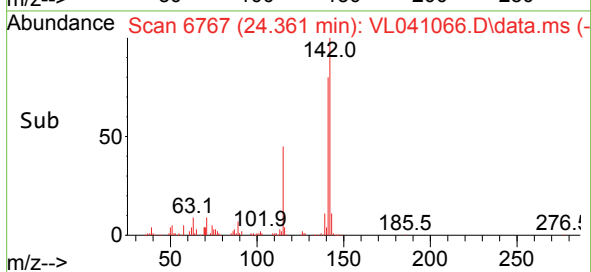
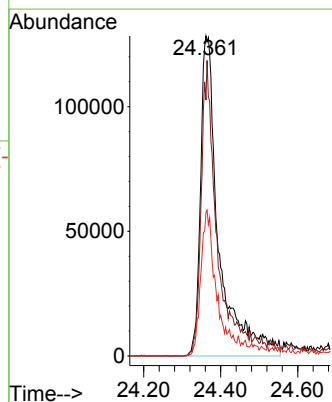
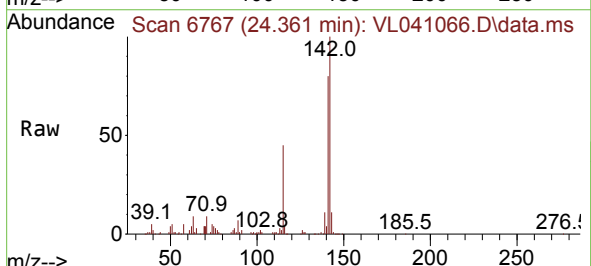
Tgt Ion:142 Resp: 427295

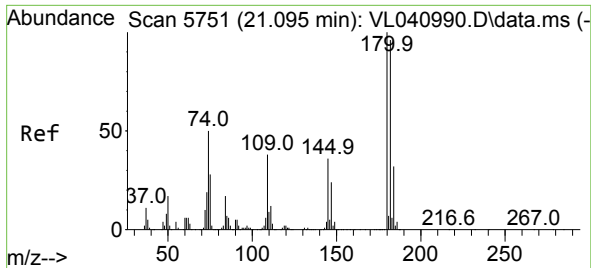
Ion Ratio Lower Upper

142 100

141 83.6 62.7 94.1

115 40.2 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.232 ppbv
 RT: 21.120 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041066.D
 Acq: 15 Feb 2024 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1284614
 Ion Ratio Lower Upper
 180 100
 182 98.4 78.6 118.0
 184 31.5 24.4 36.6

