

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041091.D
 Acq On : 12 Mar 2024 9:38
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Mar 13 01:22:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1391025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3669853	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	3606932	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2718352	9.639	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	2159057	8.145	ppbv	96
3) Chlorodifluoromethane	2.665	51	2003678	9.808	ppbv	99
4) Chloromethane	2.803	50	751593	9.720	ppbv	100
5) Vinyl Chloride	2.912	62	785786	9.987	ppbv	98
6) Bromomethane	3.112	94	326615	10.468	ppbv	97
7) Chloroethane	3.189	64	274700	10.054	ppbv	94
8) Dichlorotetrafluoroethane	2.848	85	1895125	9.846	ppbv	99
9) Propene	2.684	41	685110	10.070	ppbv	100
10) Heptane	7.581	43	1704264	10.469	ppbv	99
11) Trichlorofluoromethane	3.559	101	2008624	9.827	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1459316	9.711	ppbv	99
13) Ethanol	3.234	45	154182	8.504	ppbv	100
14) Bromoethene	3.359	108	608293	10.382	ppbv	98
15) Acetone	3.462	43	1371241	8.653	ppbv	99
16) 1,3-Butadiene	2.977	39	725344	10.090	ppbv	99
17) tert-Butyl alcohol	3.870	59	1419564	12.097	ppbv	99
18) 1,1-Dichloroethene	3.877	96	642637	9.798	ppbv	95
19) Isopropyl Alcohol	3.568	45	940721	11.113	ppbv	99
20) Methylene Chloride	3.928	84	526769	8.526	ppbv	98
21) Allyl Chloride	3.993	41	938249	10.483	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	689956	9.011	ppbv	97
23) Vinyl Acetate	4.623	43	1655661	9.233	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1350956	8.339	ppbv	98
25) Ethyl Acetate	5.205	43	2875180	10.070	ppbv	99
26) Hexane	5.211	57	1242707	9.739	ppbv	99
27) Carbon Disulfide	4.121	76	1649157	10.781	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	988429	8.760	ppbv	99
29) Chloroform	5.275	83	2076560	9.556	ppbv	94
30) Cyclohexane	6.603	84	1101764	10.419	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1227185	9.879	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	2123089	10.788	ppbv	99
34) 2-Butanone	4.784	43	1510225	8.312	ppbv	100
35) Carbon Tetrachloride	6.494	117	2229942	10.398	ppbv	99
36) Benzene	6.372	78	2708765	9.916	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1603049	9.754	ppbv	98
38) Trichloroethene	7.295	130	1072116	10.806	ppbv	97
39) 1,2-Dichloropropane	7.076	63	1059528	9.696	ppbv	98
40) 1,4-Dioxane	7.288	88	409395	9.516	ppbv	94
41) Tetrahydrofuran	5.555	42	1095915	10.134	ppbv	98
42) Bromodichloromethane	7.253	83	2363918	10.040	ppbv	98
43) Methyl Methacrylate	7.478	69	1131928	10.712	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	4432310	9.716	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	860043	11.824	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
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 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

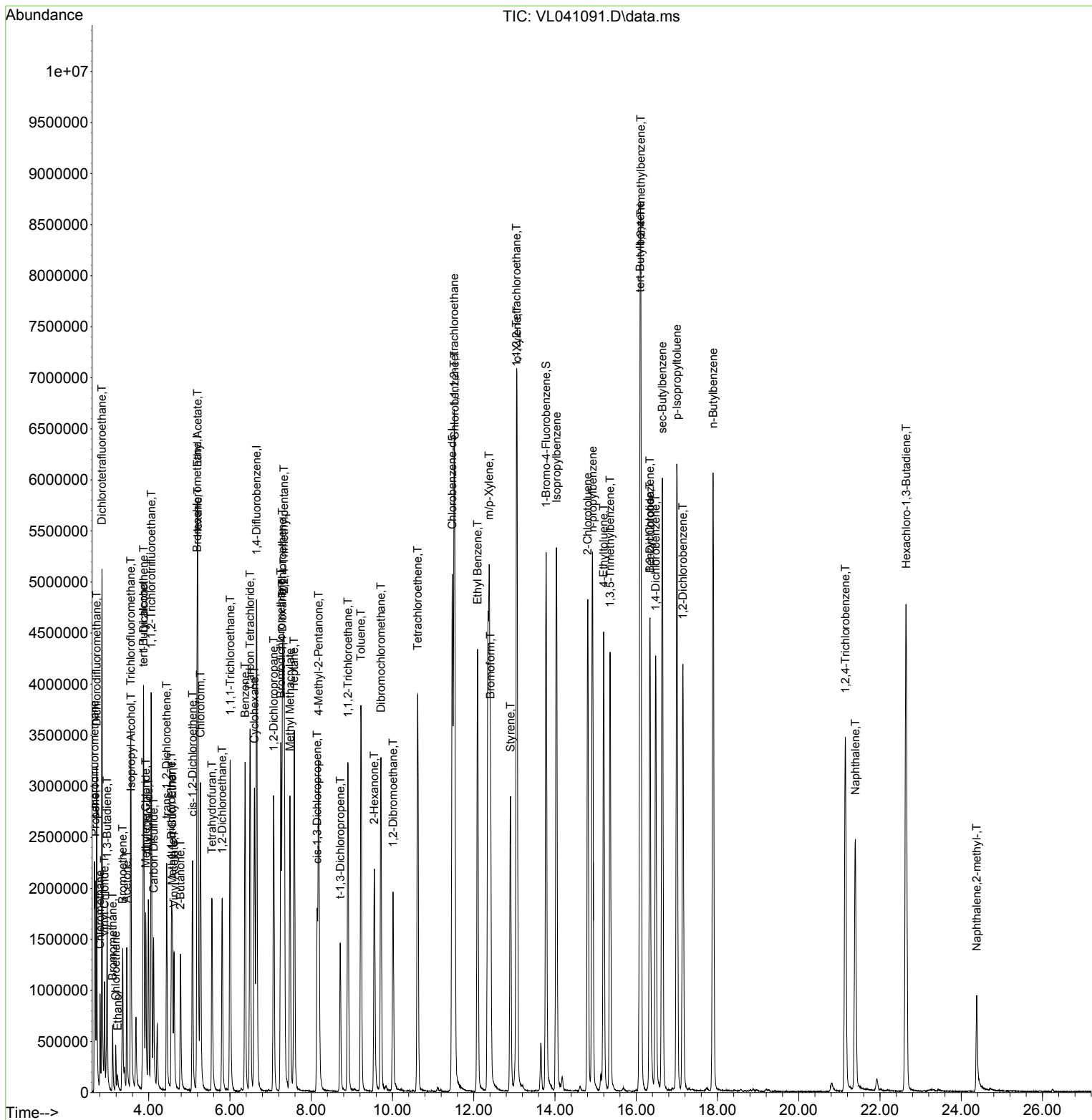
Instrument :
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 ClientSampleId :
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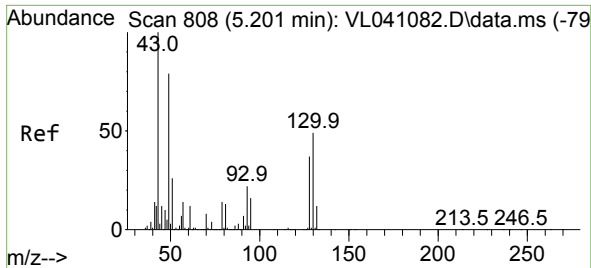
Quant Time: Mar 13 01:22:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1031151	11.289	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	1158259	9.937	ppbv	97
48) Dibromochloromethane	9.716	129	2003382	10.545	ppbv	99
49) Bromoform	12.413	173	1614728	10.686	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2785796	10.395	ppbv	100
51) 2-Hexanone	9.555	43	2051538	10.451	ppbv #	99
52) Tetrachloroethene	10.623	164	925354	10.921	ppbv	96
53) Toluene	9.224	91	3097075	10.518	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1651721	11.019	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1439798	9.330	ppbv	96
57) Chlorobenzene	11.532	112	2397181	9.429	ppbv	98
58) Ethyl Benzene	12.095	91	4169580	9.874	ppbv	100
59) m/p-Xylene	12.381	91	4370901	11.792	ppbv #	56
60) o-Xylene	13.066	91	3389838	9.632	ppbv	98
61) Styrene	12.905	104	1771544	11.147	ppbv	100
62) Isopropylbenzene	14.037	105	4968240	9.502	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	2543845	9.616	ppbv	100
64) n-propylbenzene	14.928	120	1318582	10.023	ppbv	96
65) tert-Butylbenzene	16.098	119	4414549	9.715	ppbv	99
66) Benzyl Chloride	16.339	91	142337	4.623	ppbv #	66
67) sec-Butylbenzene	16.645	105	6222177	9.519	ppbv	100
69) p-Isopropyltoluene	16.998	119	5089116	9.981	ppbv	100
70) n-Butylbenzene	17.892	91	5497975	9.977	ppbv	100
71) 2-Chlorotoluene	14.806	91	3885788	9.716	ppbv	98
72) 4-Ethyltoluene	15.198	105	3938566	10.164	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	3412338	9.951	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	3793154	9.685	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	2217504	9.915	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	2152894	9.553	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	2145266	9.816	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	699356	4.545	ppbv #	30
79) Naphthalene	21.394	128	3138767	13.839	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	728358	20.034	ppbv	92
81) 1,2,4-Trichlorobenzene	21.149	180	1522019	11.653	ppbv	98

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

Quant Time: Mar 13 01:22:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
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QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration

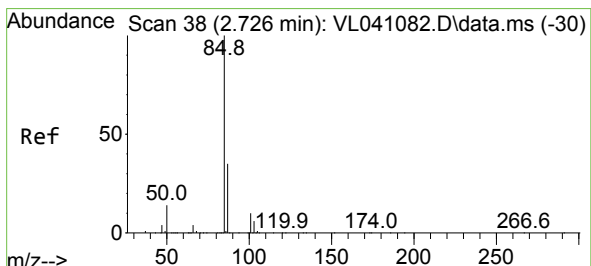
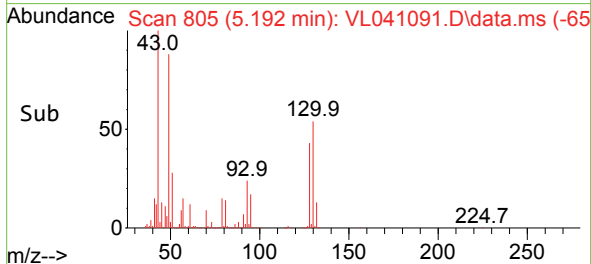
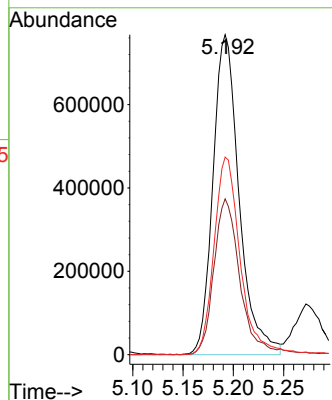
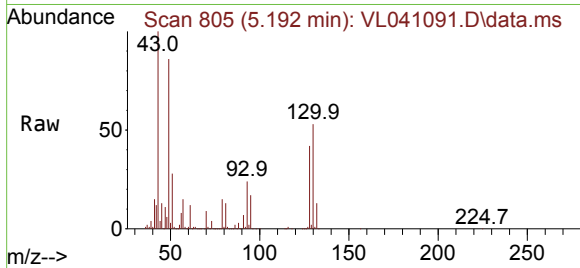




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

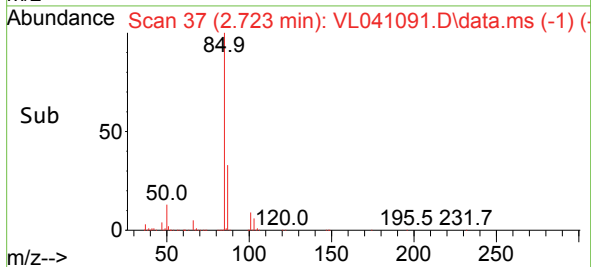
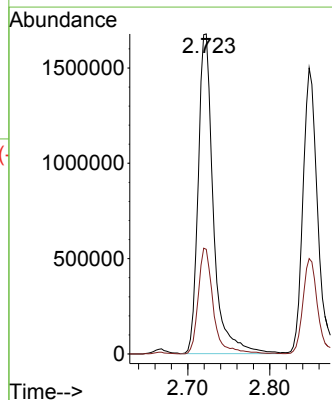
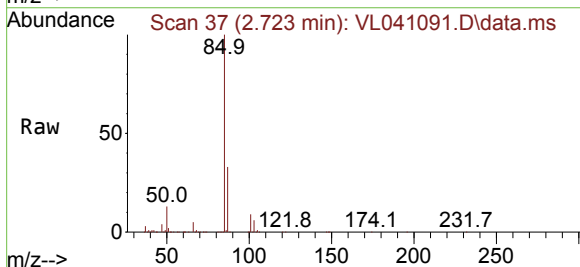
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

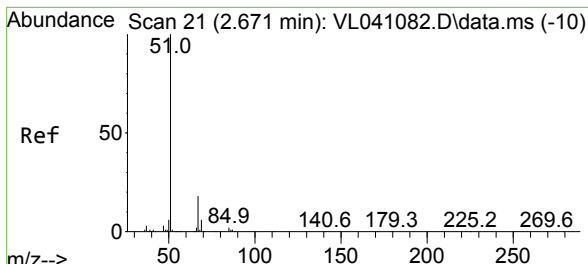
Tgt Ion: 49 Resp: 1391025
Ion Ratio Lower Upper
49 100
128 49.6 23.8 71.5
130 62.7 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 8.145 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 85 Resp: 2159057
Ion Ratio Lower Upper
85 100
87 32.7 28.1 42.1

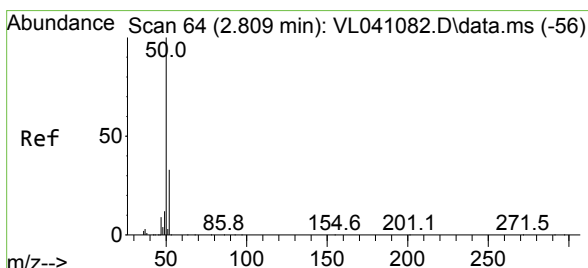
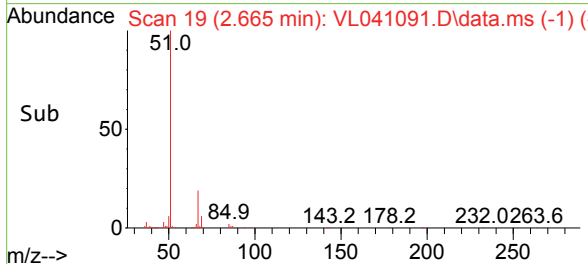
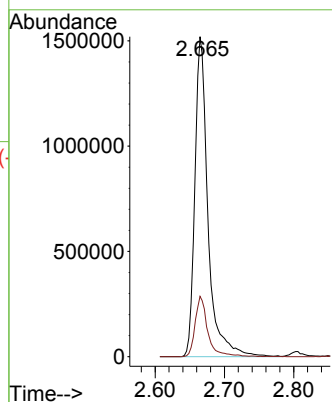
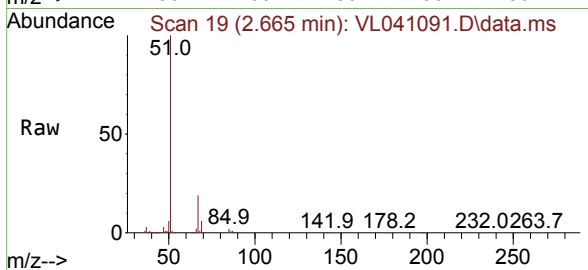




#3
 Chlorodifluoromethane
 Concen: 9.808 ppbv
 RT: 2.665 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

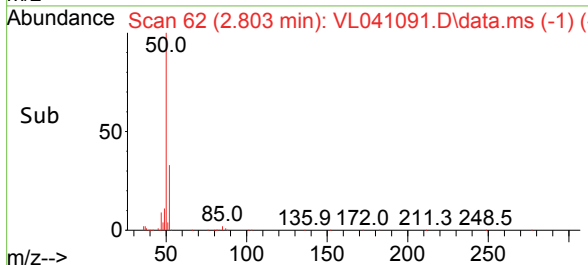
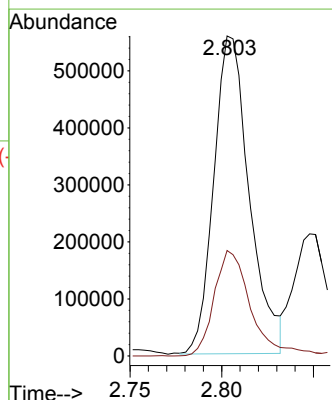
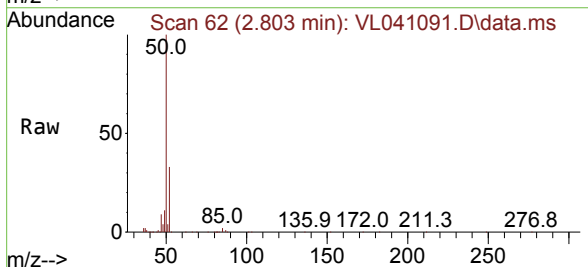
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 ClientSampleId :
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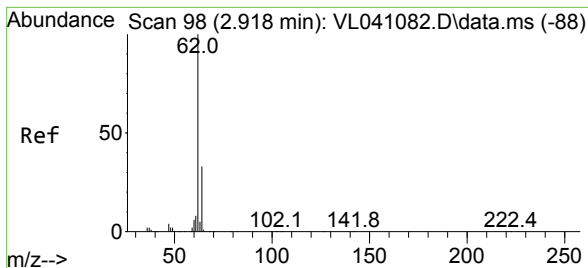
Tgt Ion: 51 Resp: 2003678
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.5 21.7



#4
 Chloromethane
 Concen: 9.720 ppbv
 RT: 2.803 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 50 Resp: 751593
 Ion Ratio Lower Upper
 50 100
 52 33.2 26.6 40.0

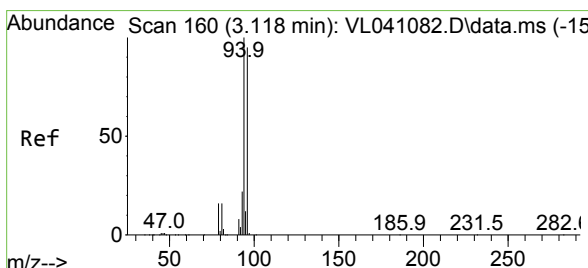
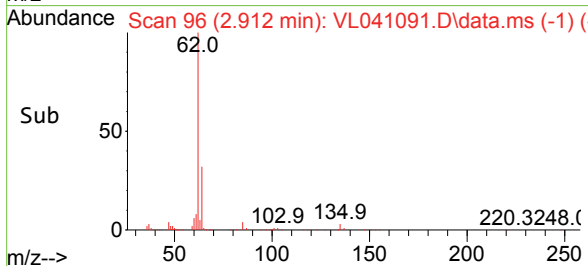
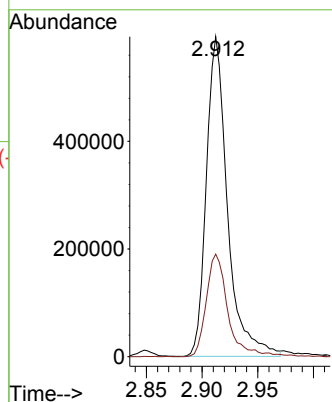
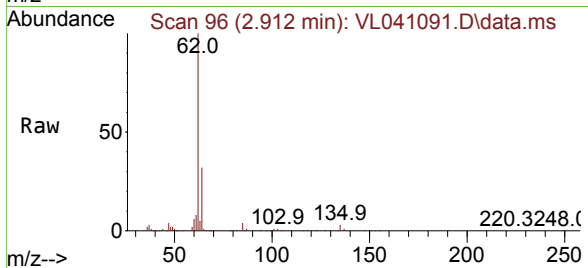




#5
 Vinyl Chloride
 Concen: 9.987 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

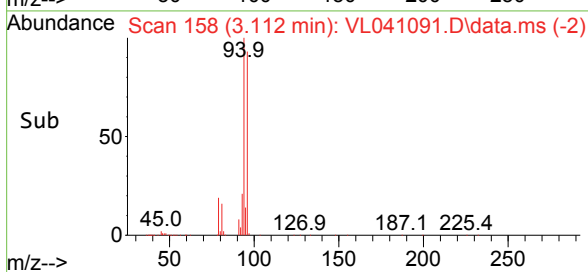
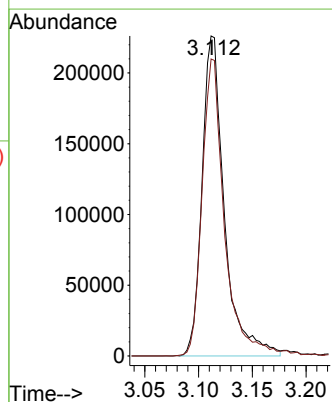
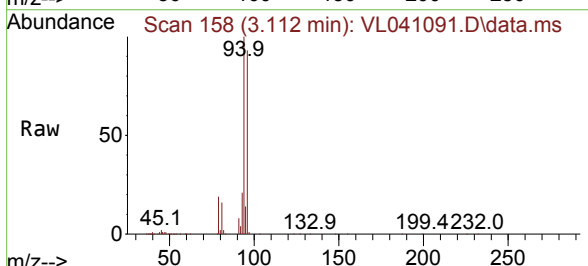
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 ClientSampleId :
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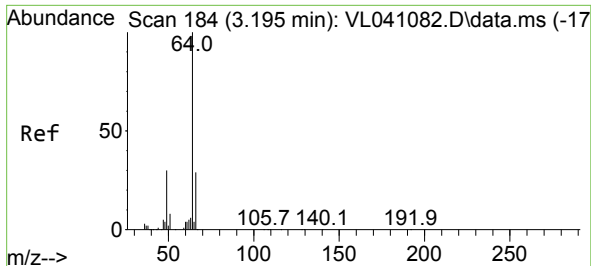
Tgt Ion: 62 Resp: 785786
 Ion Ratio Lower Upper
 62 100
 64 32.1 26.5 39.7



#6
 Bromomethane
 Concen: 10.468 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 94 Resp: 326615
 Ion Ratio Lower Upper
 94 100
 96 92.5 76.0 114.0

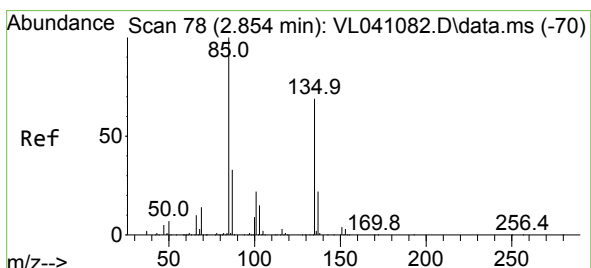
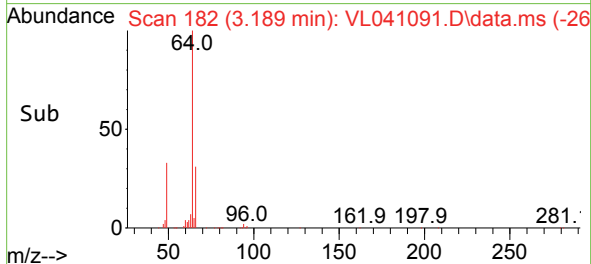
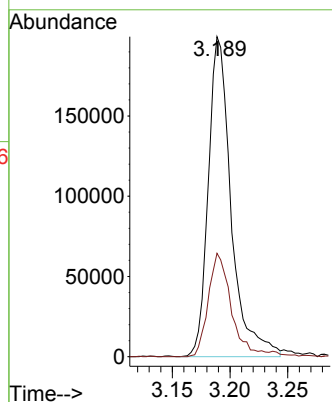
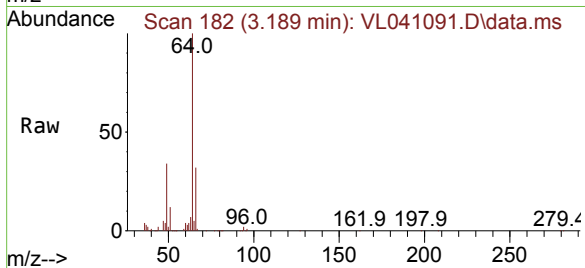




#7
Chloroethane
Concen: 10.054 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

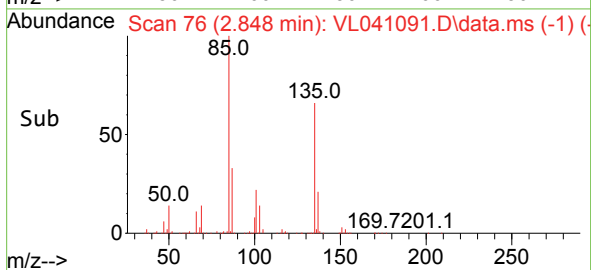
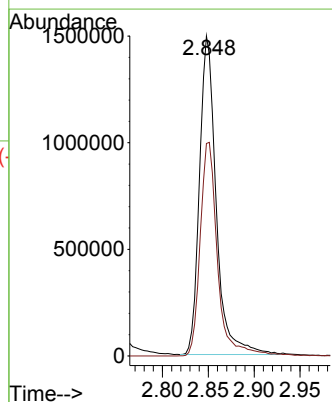
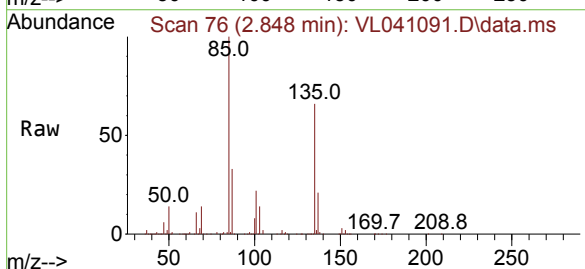
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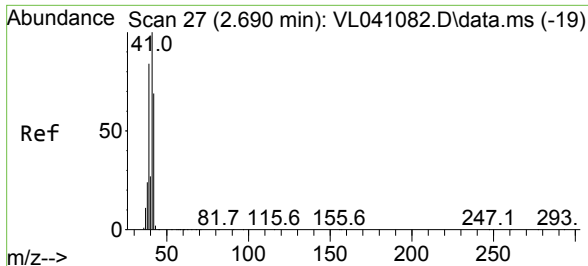
Tgt Ion: 64 Resp: 274700
Ion Ratio Lower Upper
64 100
66 32.3 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 9.846 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 85 Resp: 1895125
Ion Ratio Lower Upper
85 100
135 70.0 56.7 85.1

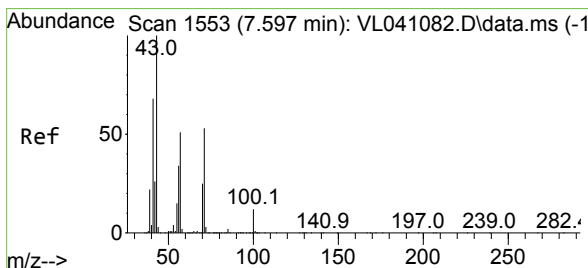
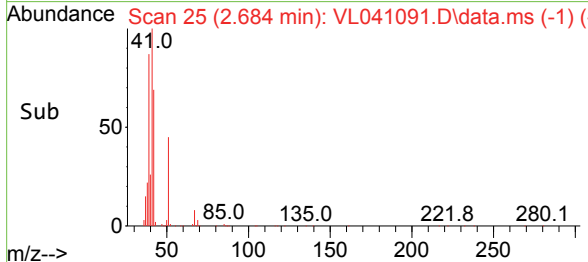
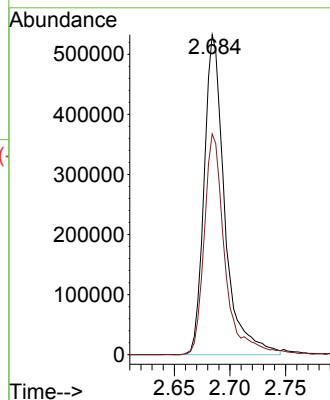
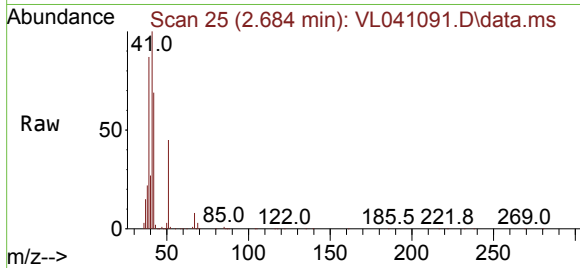




#9
Propene
Concen: 10.070 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

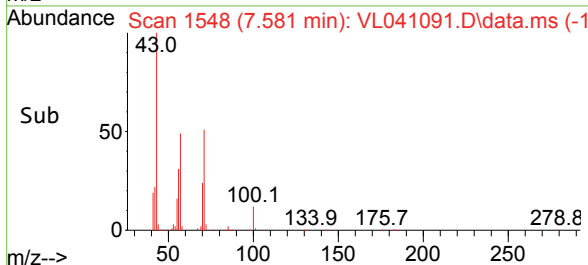
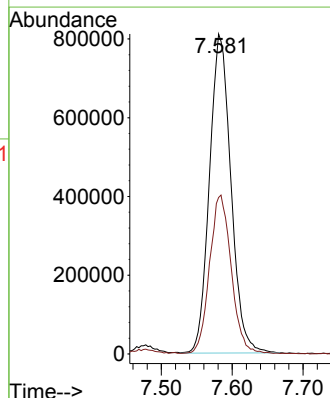
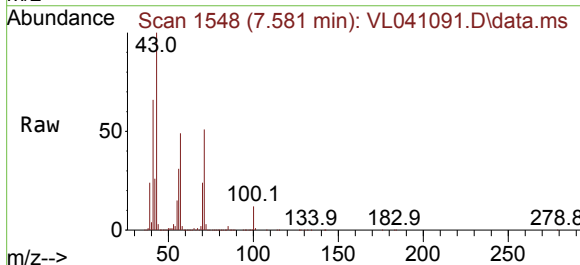
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

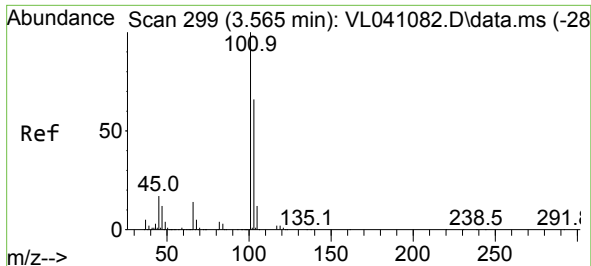
Tgt Ion: 41 Resp: 685110
Ion Ratio Lower Upper
41 100
42 69.9 55.9 83.9



#10
Heptane
Concen: 10.469 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 43 Resp: 1704264
Ion Ratio Lower Upper
43 100
57 50.4 41.0 61.6

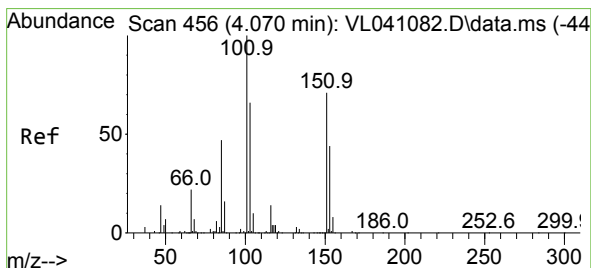
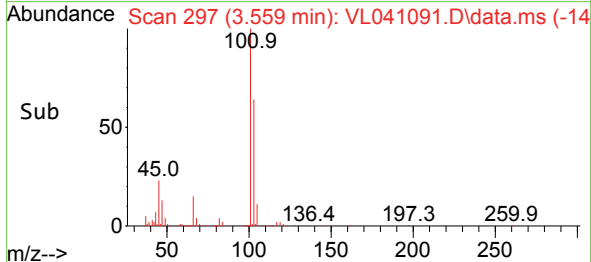
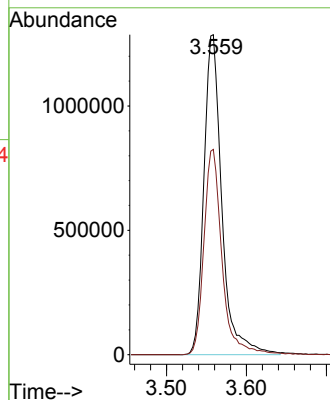
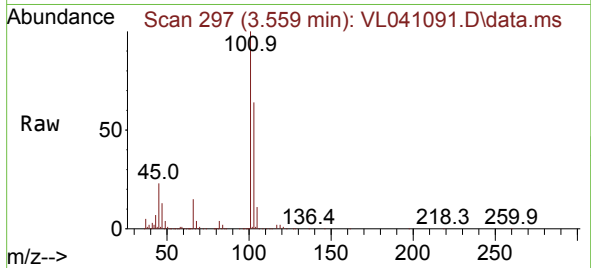




#11
 Trichlorofluoromethane
 Concen: 9.827 ppbv
 RT: 3.559 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

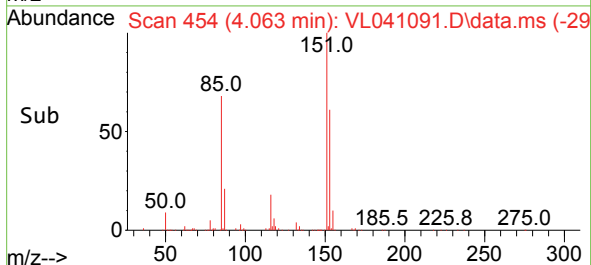
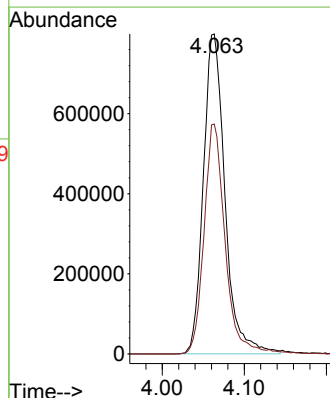
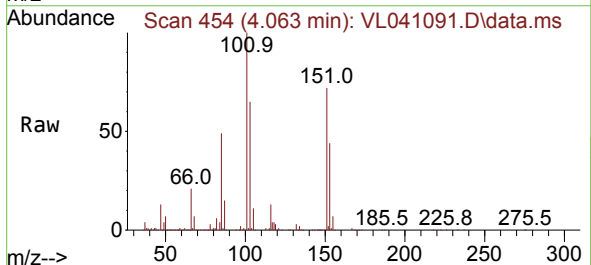
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

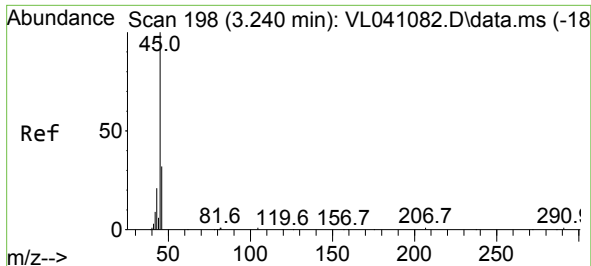
Tgt Ion:101 Resp: 2008624
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.711 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion:101 Resp: 1459316
 Ion Ratio Lower Upper
 101 100
 151 70.6 55.8 83.8

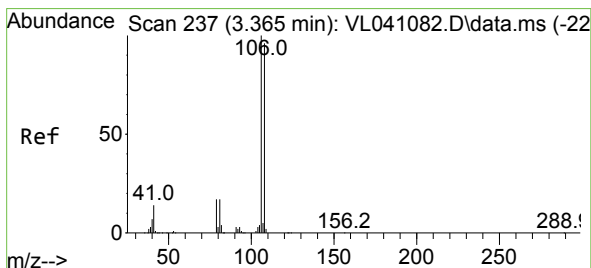
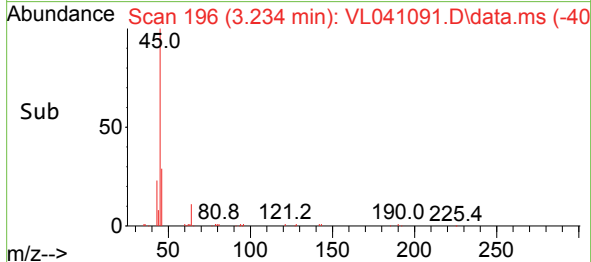
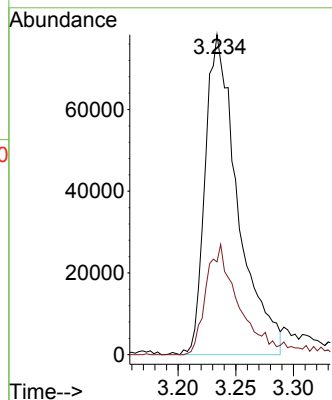
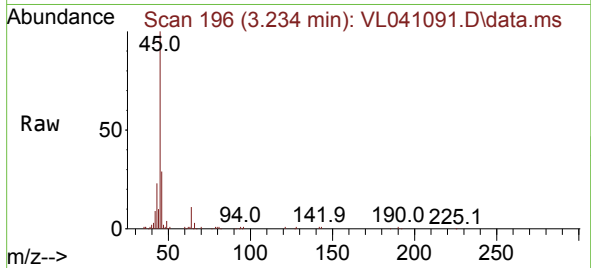




#13
Ethanol
Concen: 8.504 ppbv
RT: 3.234 min Scan# 198
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

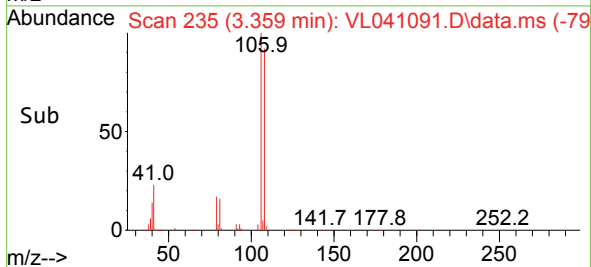
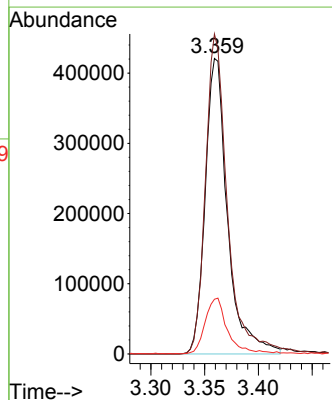
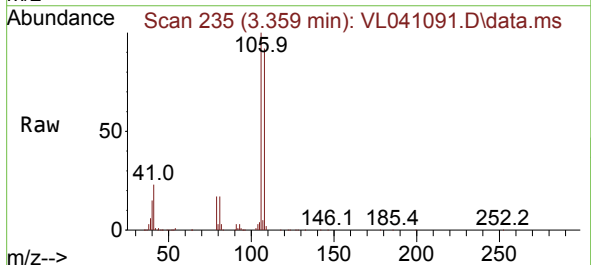
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

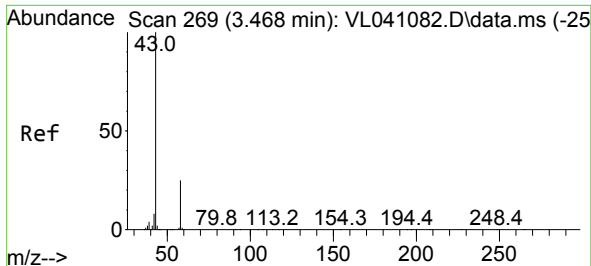
Tgt Ion: 45 Resp: 154182
Ion Ratio Lower Upper
45 100
46 36.6 14.6 58.2



#14
Bromoethene
Concen: 10.382 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 108 Resp: 608293
Ion Ratio Lower Upper
108 100
106 107.5 88.1 132.1
79 19.1 15.6 23.4

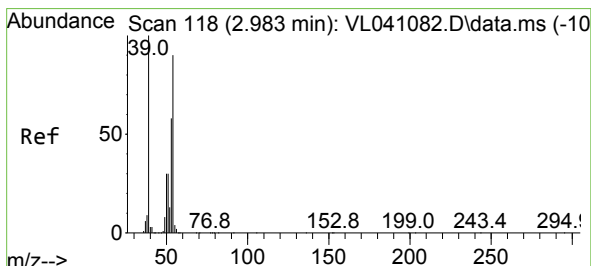
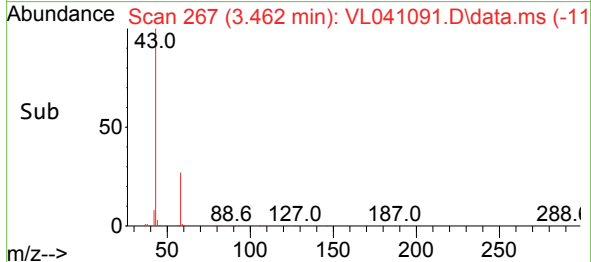
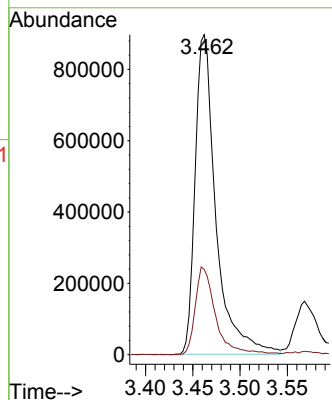
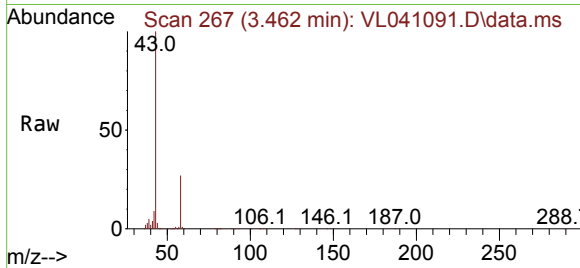




#15
Acetone
Concen: 8.653 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

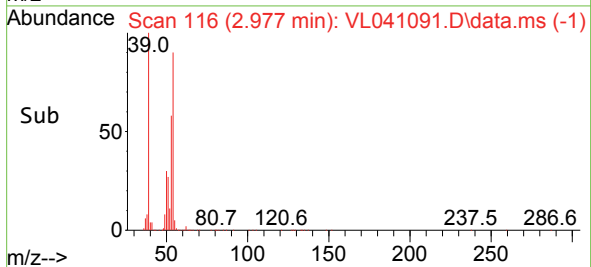
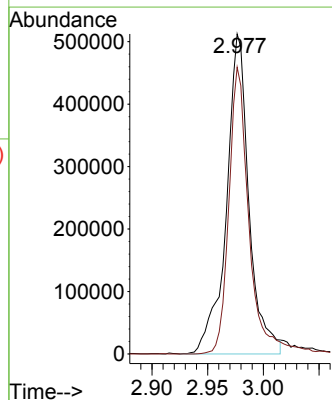
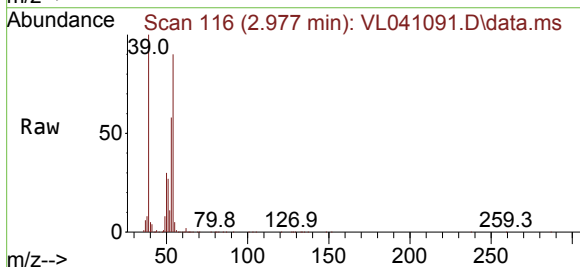
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

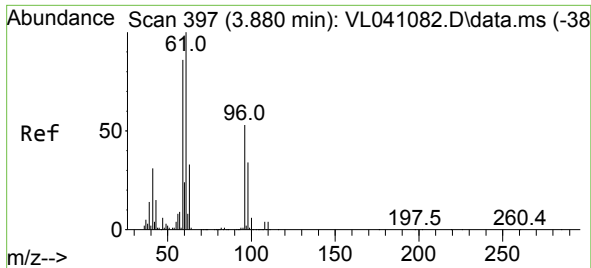
Tgt Ion: 43 Resp: 1371241
Ion Ratio Lower Upper
43 100
58 26.5 21.7 32.5



#16
1,3-Butadiene
Concen: 10.090 ppbv
RT: 2.977 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 39 Resp: 725344
Ion Ratio Lower Upper
39 100
54 80.9 64.0 96.0





#17

tert-Butyl alcohol

Concen: 12.097 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

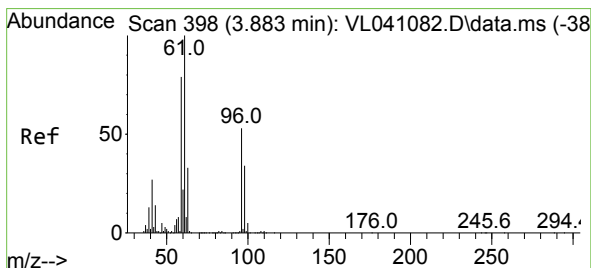
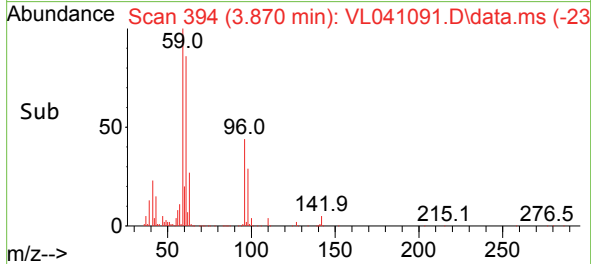
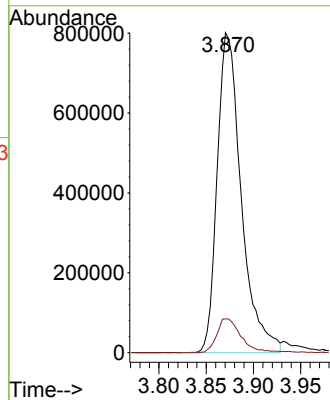
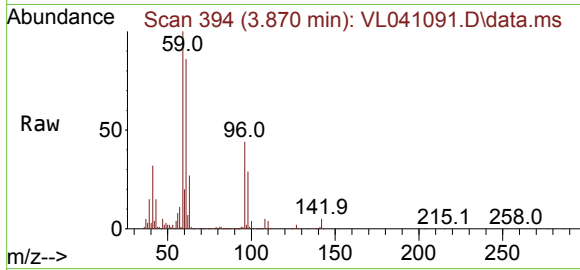
VSTDCCC010

Tgt Ion: 59 Resp: 1419564

Ion Ratio Lower Upper

59 100

57 11.0 9.0 13.6



#18

1,1-Dichloroethene

Concen: 9.798 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

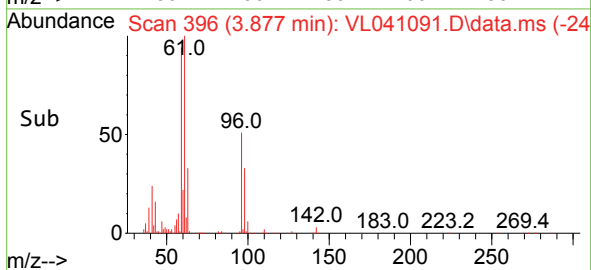
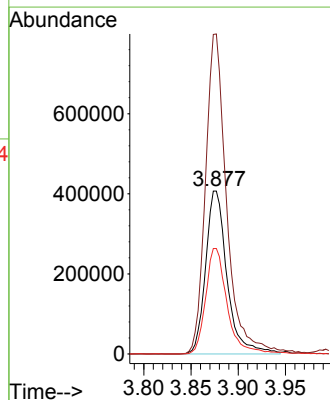
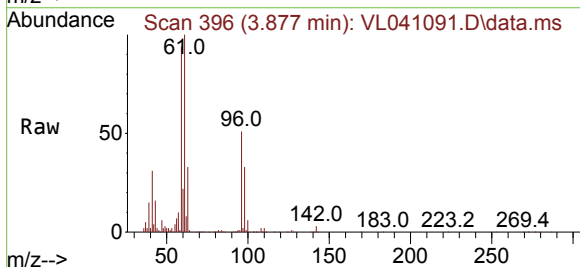
Tgt Ion: 96 Resp: 642637

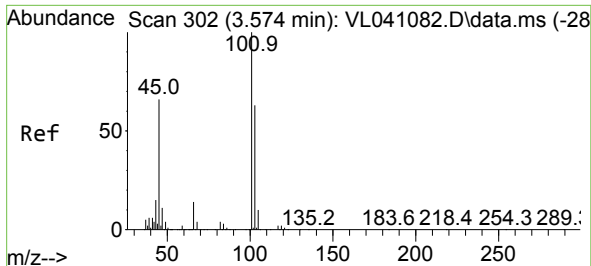
Ion Ratio Lower Upper

96 100

61 196.4 150.2 225.2

98 64.8 50.7 76.1

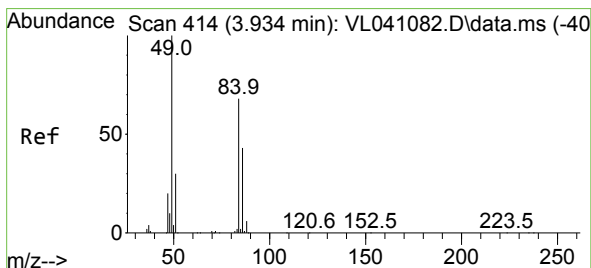
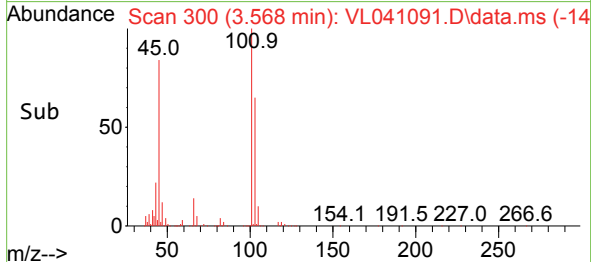
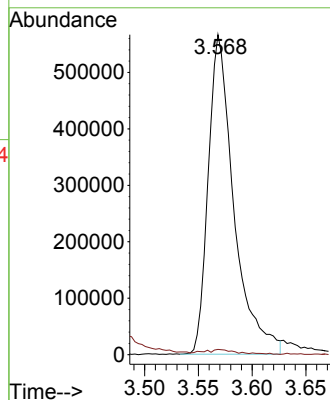
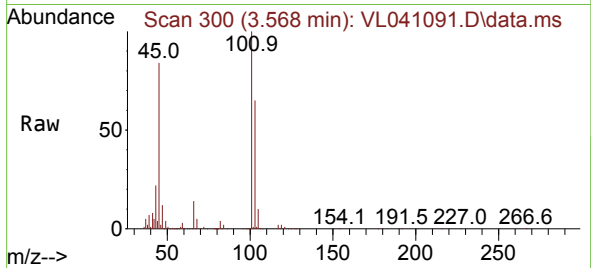




#19
Isopropyl Alcohol
Concen: 11.113 ppbv
RT: 3.568 min Scan# 302
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

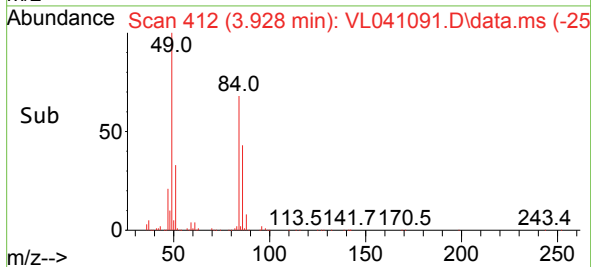
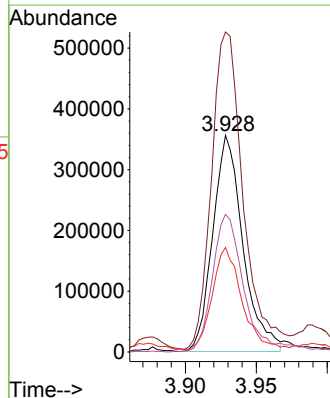
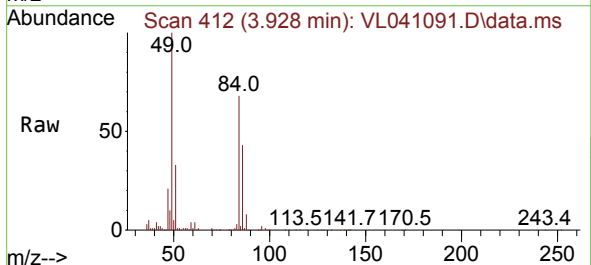
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

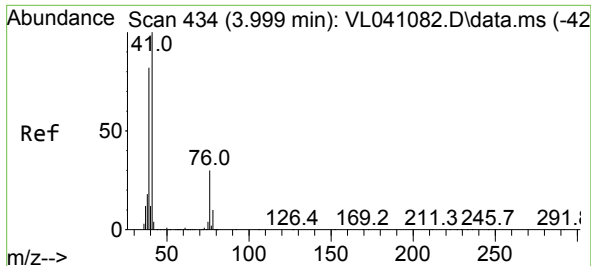
Tgt Ion: 45 Resp: 940721
Ion Ratio Lower Upper
45 100
58 2.6 2.2 3.4



#20
Methylene Chloride
Concen: 8.526 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 84 Resp: 526769
Ion Ratio Lower Upper
84 100
49 146.6 117.0 175.6
51 47.0 34.9 52.3
86 63.6 49.8 74.6





#21

Allyl Chloride

Concen: 10.483 ppbv

RT: 3.993 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

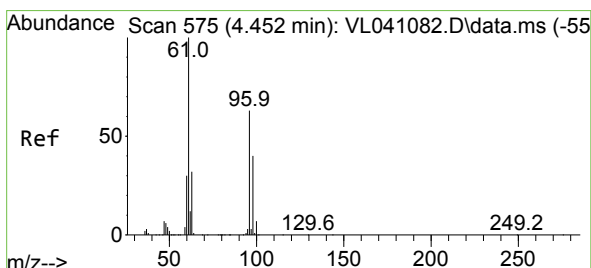
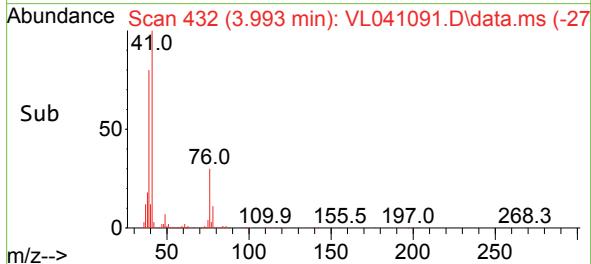
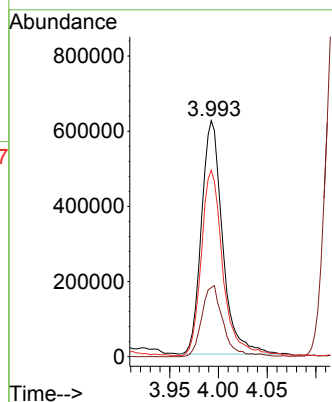
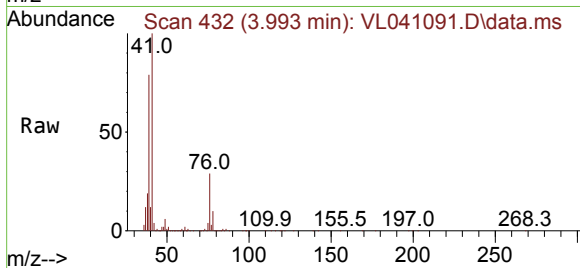
Tgt Ion: 41 Resp: 938249

Ion Ratio Lower Upper

41 100

76 31.1 25.5 38.3

39 81.5 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 9.011 ppbv

RT: 4.443 min Scan# 572

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

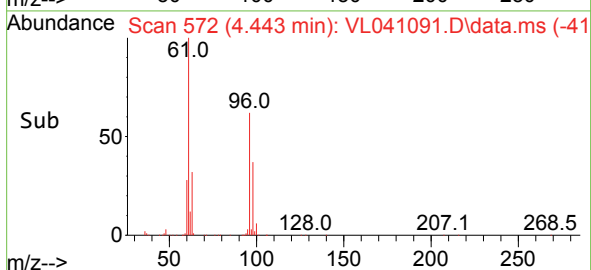
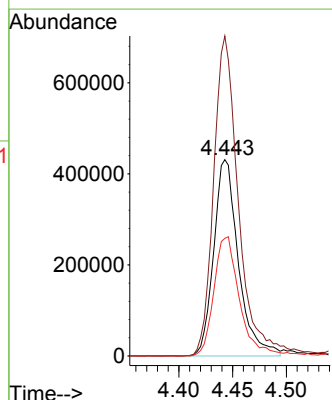
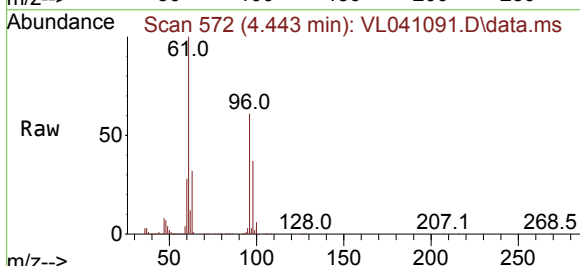
Tgt Ion: 96 Resp: 689956

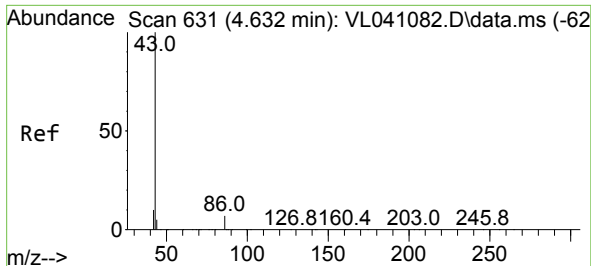
Ion Ratio Lower Upper

96 100

61 163.0 126.7 190.1

98 59.9 50.1 75.1



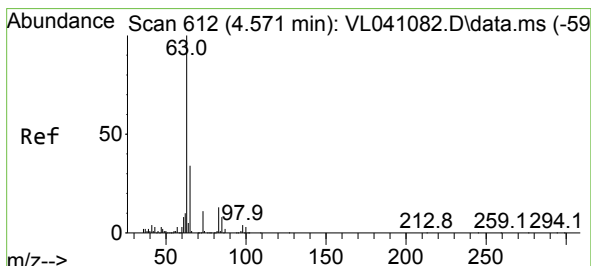
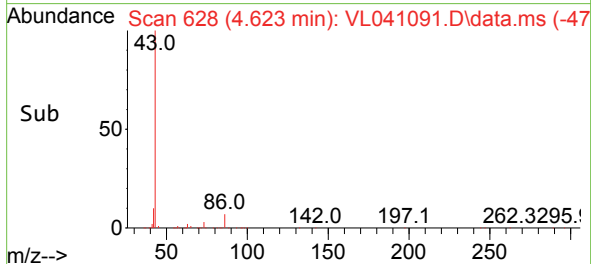
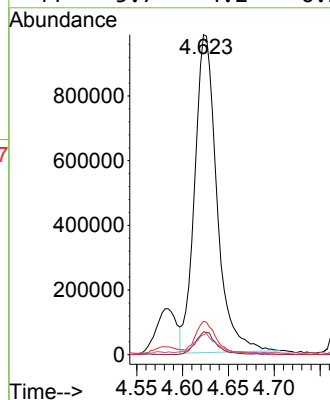
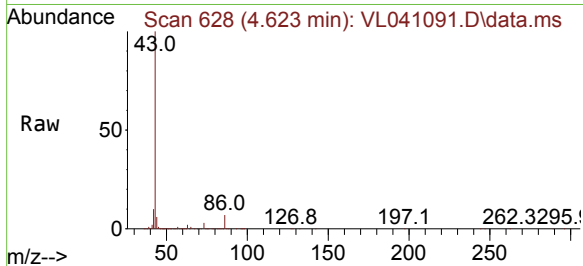


#23
 Vinyl Acetate
 Concen: 9.233 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1655661

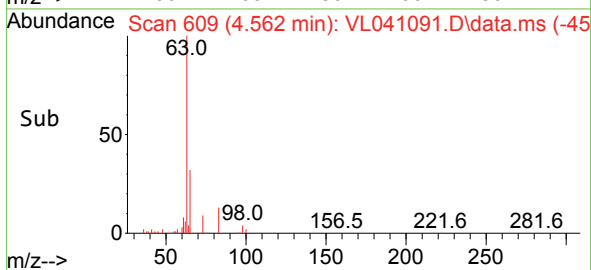
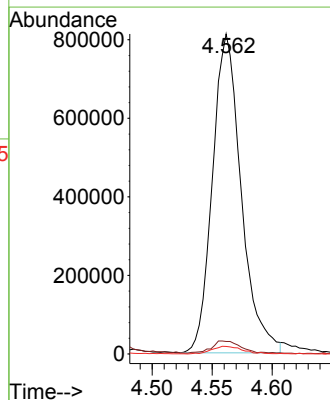
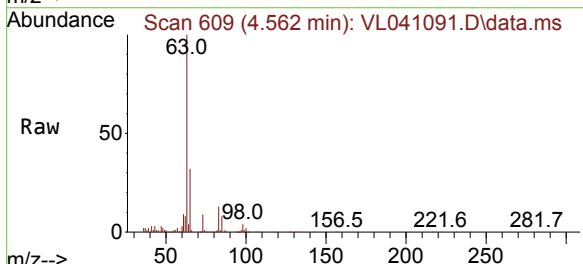
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.4	8.2
42	10.4	8.0	12.0
44	5.7	4.2	6.2

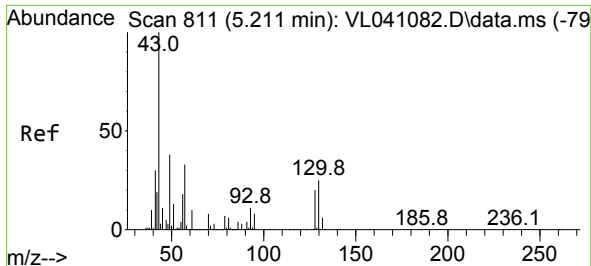


#24
 1,1-Dichloroethane
 Concen: 8.339 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 63 Resp: 1350956

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.5
100	2.3	1.4	4.2





#25

Ethyl Acetate

Concen: 10.070 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2875180

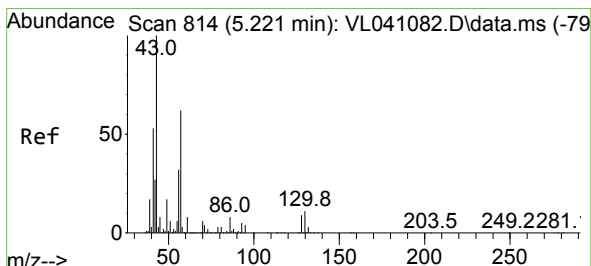
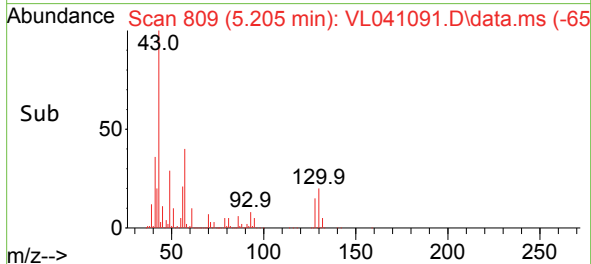
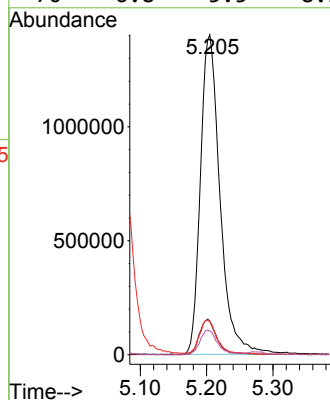
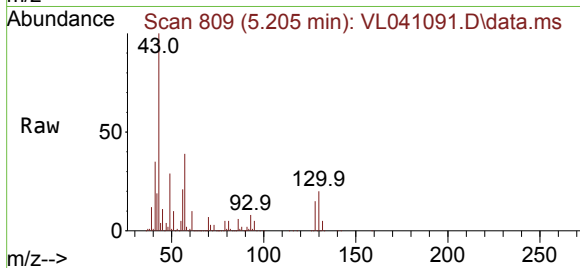
Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.2

61 10.6 8.2 12.2

70 6.8 5.5 8.3



#26

Hexane

Concen: 9.739 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Tgt Ion: 57 Resp: 1242707

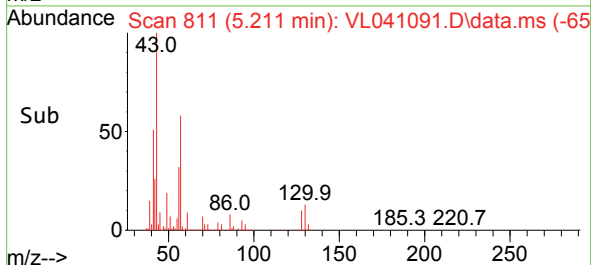
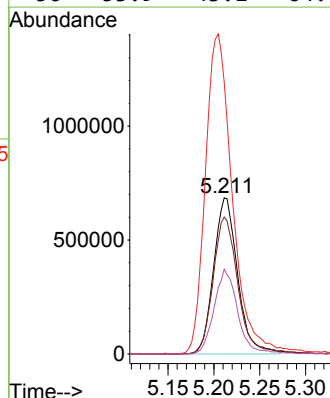
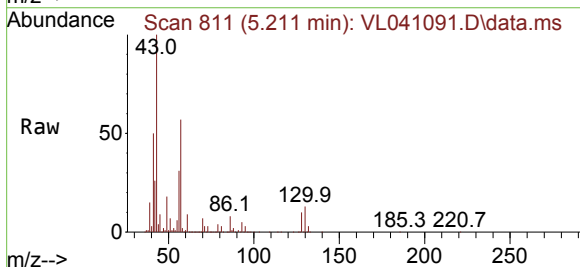
Ion Ratio Lower Upper

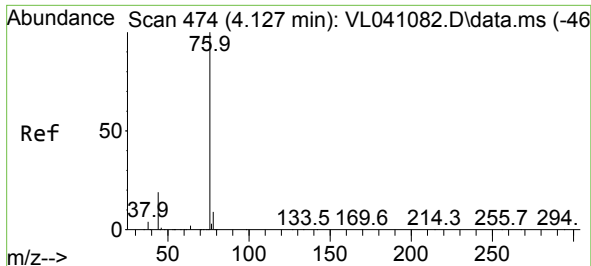
57 100

41 92.1 73.8 110.6

43 233.4 184.2 276.2

56 53.9 43.1 64.7

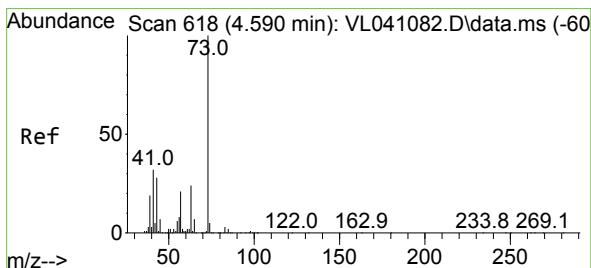
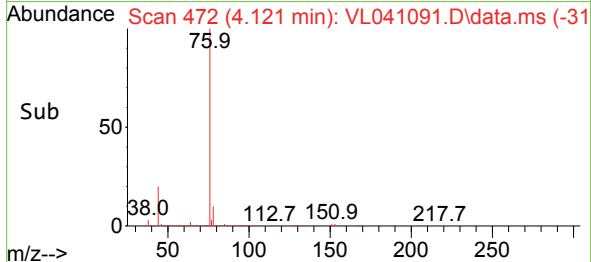
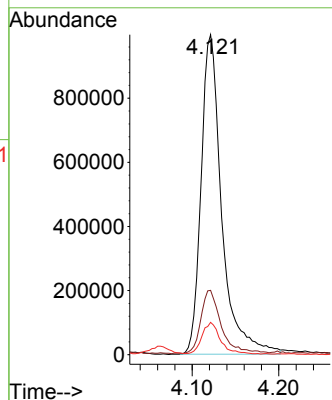
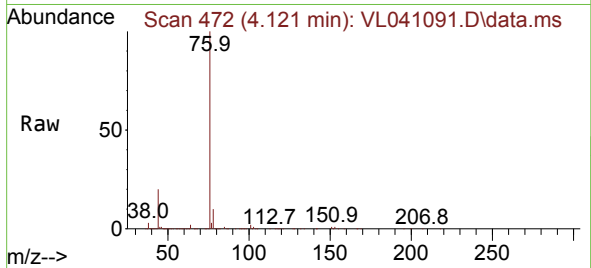




#27
Carbon Disulfide
Concen: 10.781 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

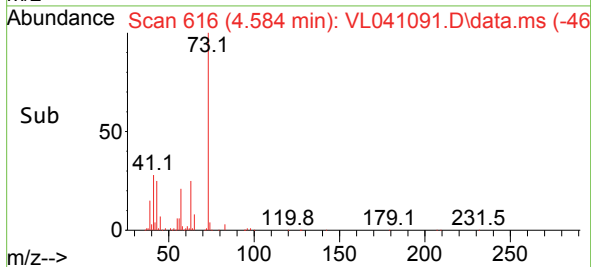
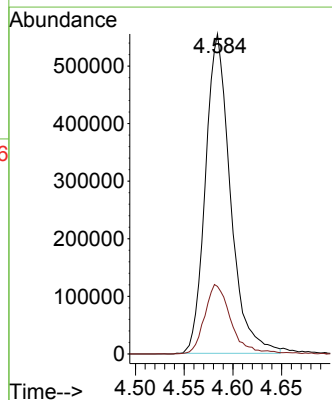
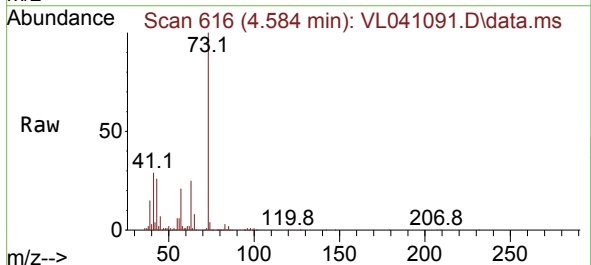
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

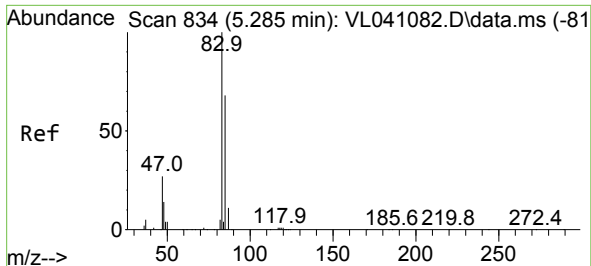
Tgt Ion: 76 Resp: 1649157
Ion Ratio Lower Upper
76 100
44 19.2 16.0 24.0
78 9.3 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 8.760 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 73 Resp: 988429
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4

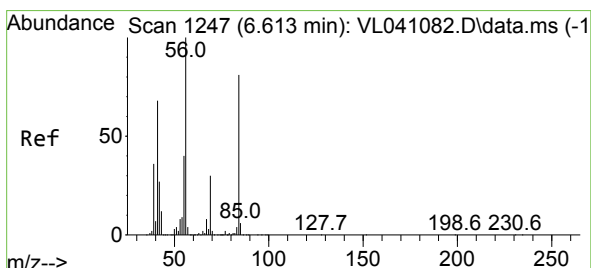
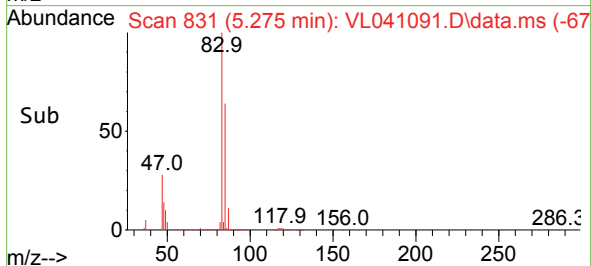
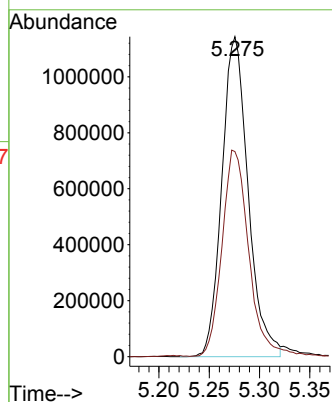
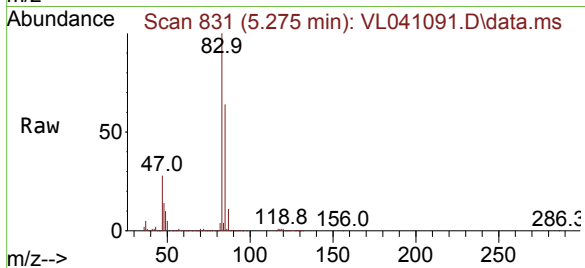




#29
Chloroform
Concen: 9.556 ppbv
RT: 5.275 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

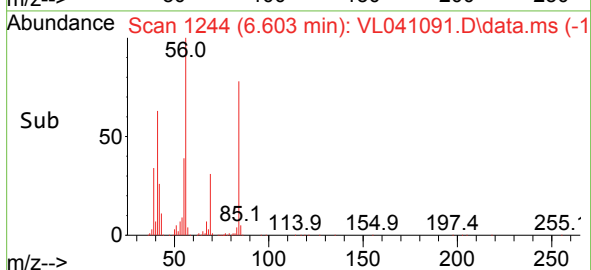
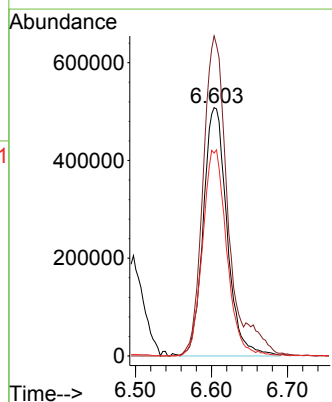
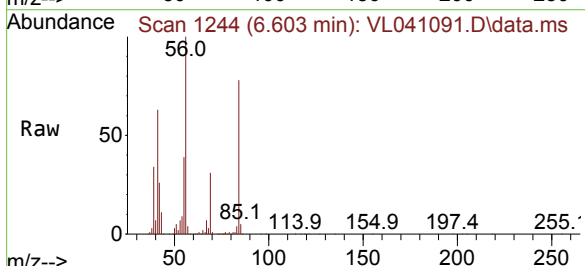
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

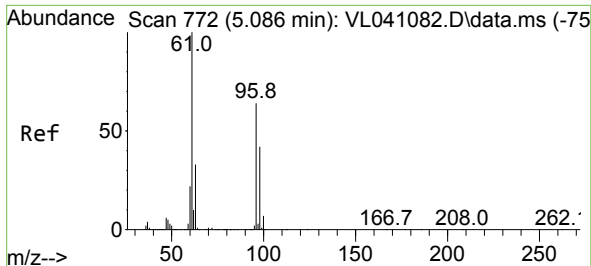
Tgt Ion: 83 Resp: 2076560
Ion Ratio Lower Upper
83 100
85 63.8 54.6 82.0



#30
Cyclohexane
Concen: 10.419 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 84 Resp: 1101764
Ion Ratio Lower Upper
84 100
56 135.7 110.4 165.6
41 84.2 70.6 105.8

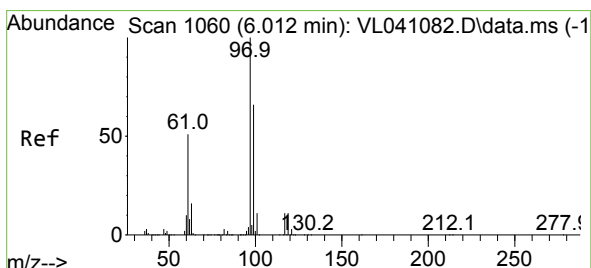
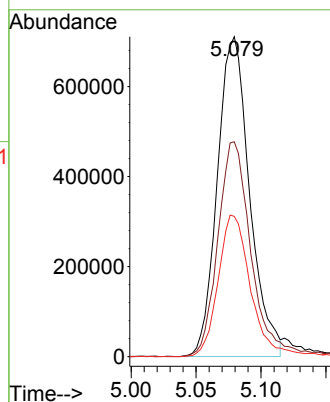
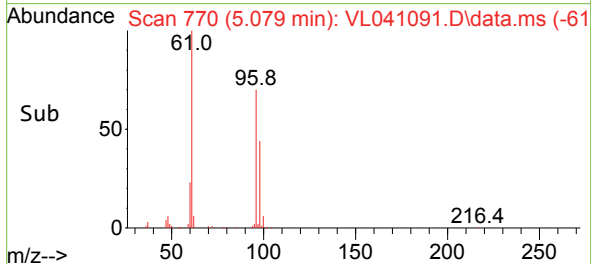
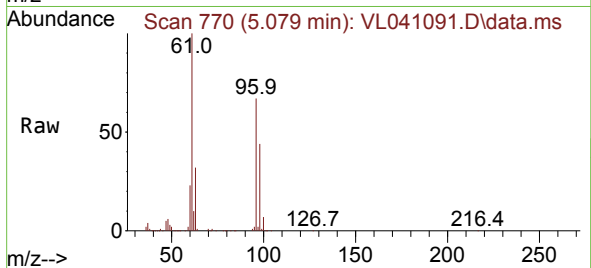




#31
 cis-1,2-Dichloroethene
 Concen: 9.879 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

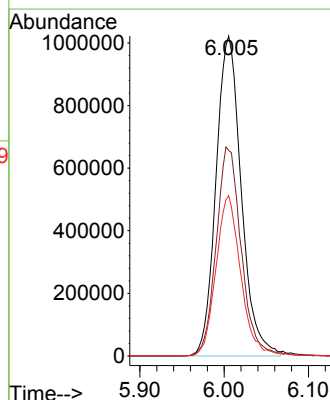
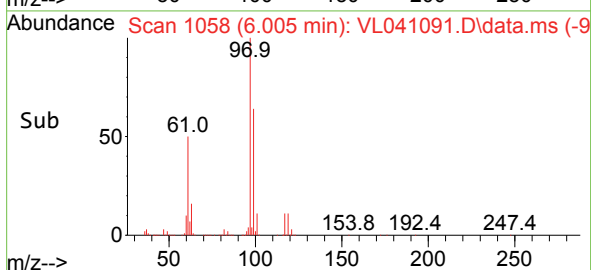
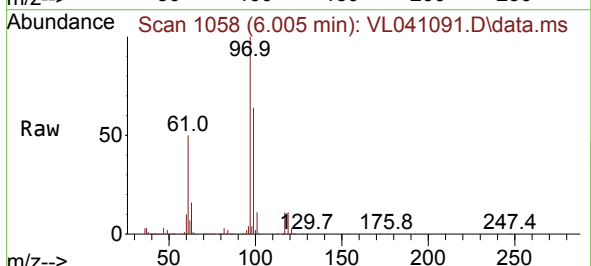
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

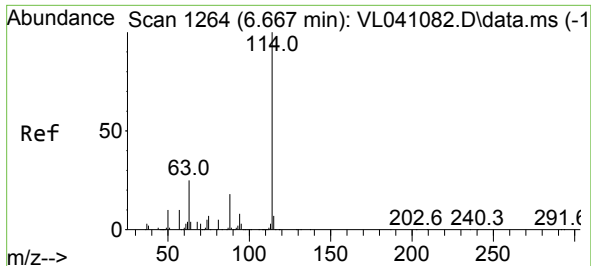
Tgt Ion: 61 Resp: 1227185
 Ion Ratio Lower Upper
 61 100
 96 67.2 51.2 76.8
 98 43.9 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 10.788 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 97 Resp: 2123089
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.4 78.6
 61 49.6 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

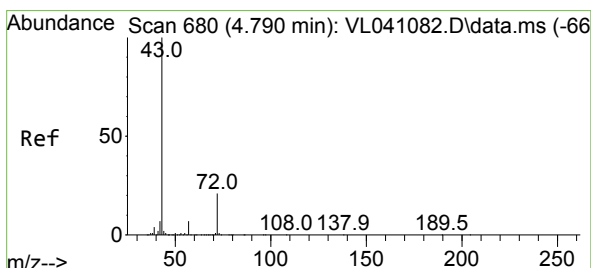
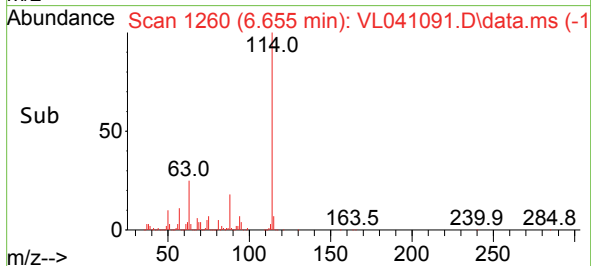
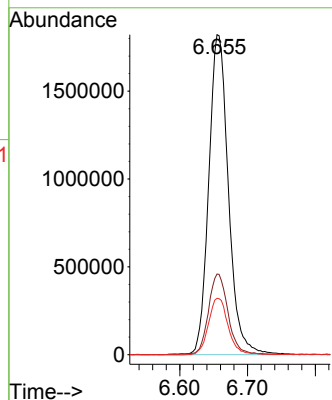
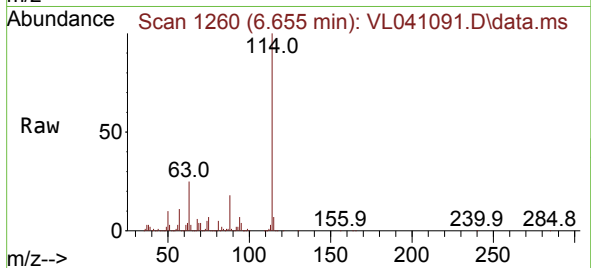
Tgt Ion:114 Resp: 3669853

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

88 17.7 14.6 22.0



#34

2-Butanone

Concen: 8.312 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.000 min

Lab File: VL041091.D

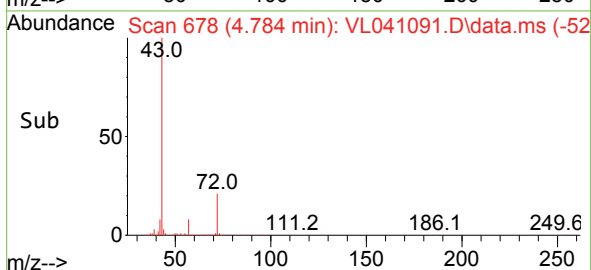
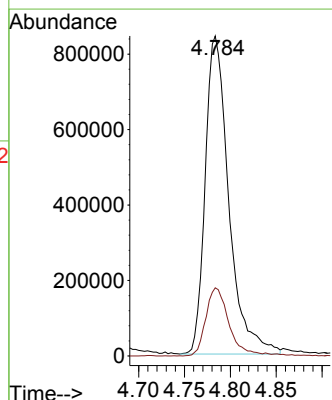
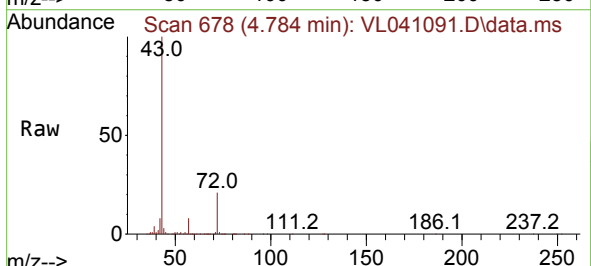
Acq: 12 Mar 2024 9:38

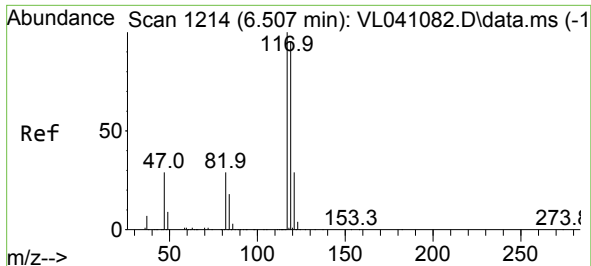
Tgt Ion: 43 Resp: 1510225

Ion Ratio Lower Upper

43 100

72 21.6 17.4 26.0

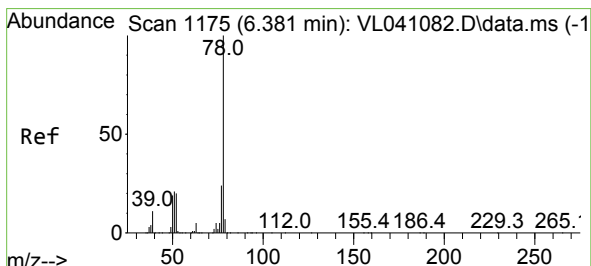
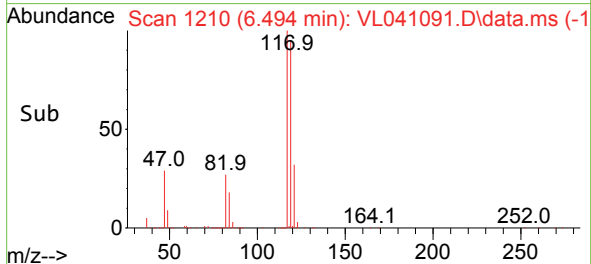
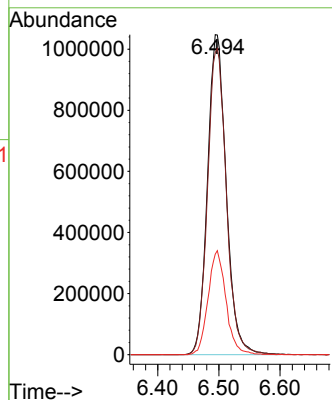
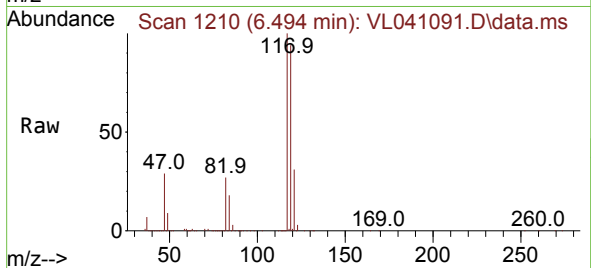




#35
Carbon Tetrachloride
Concen: 10.398 ppbv
RT: 6.494 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

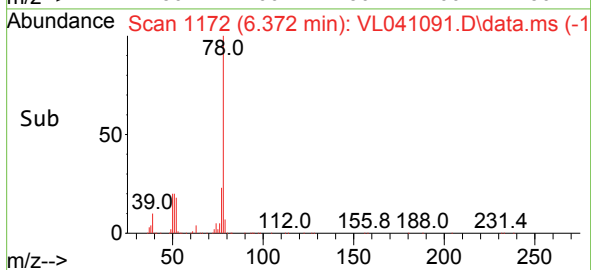
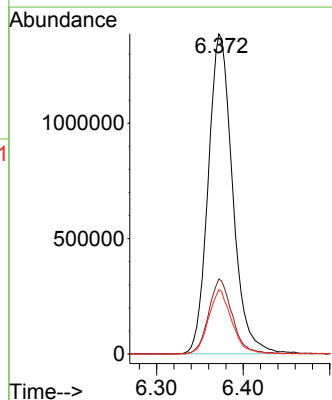
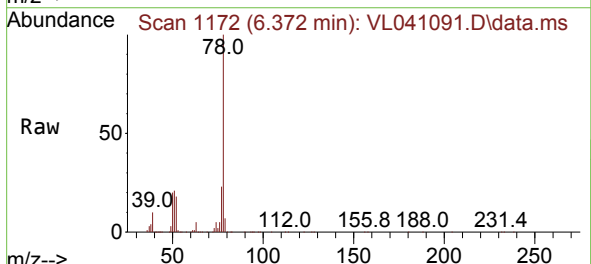
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

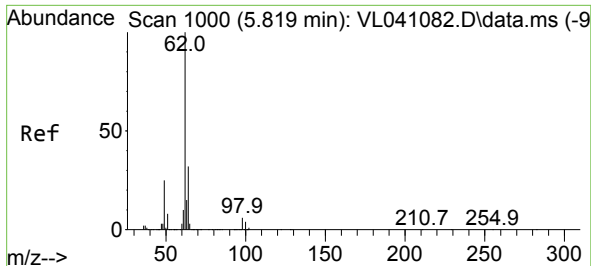
Tgt Ion:117 Resp: 2229942
Ion Ratio Lower Upper
117 100
119 94.4 75.6 113.4
121 31.4 23.4 35.2



#36
Benzene
Concen: 9.916 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 78 Resp: 2708765
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
50 19.9 15.5 23.3

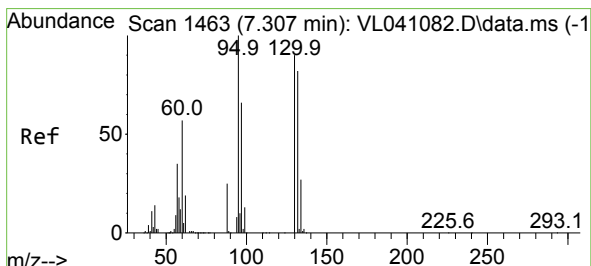
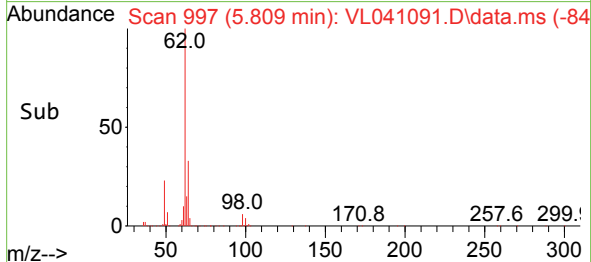
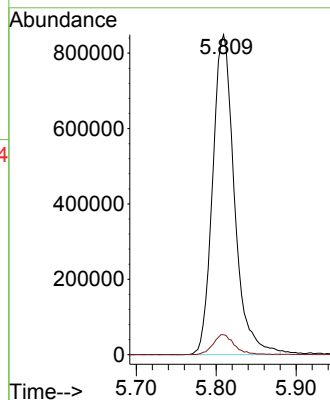
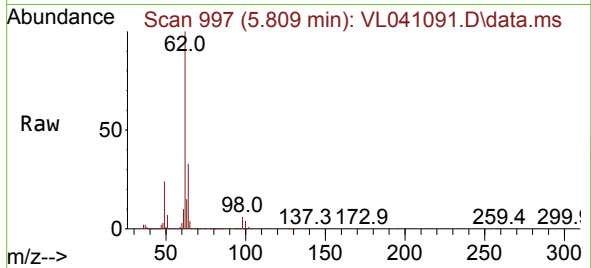




#37
1,2-Dichloroethane
Concen: 9.754 ppbv
RT: 5.809 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

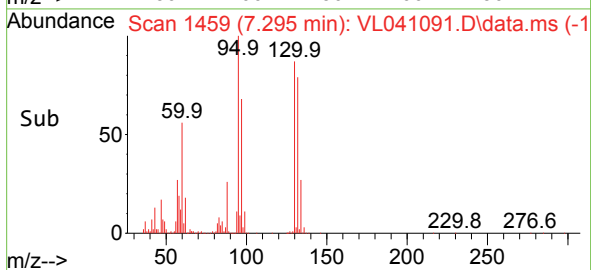
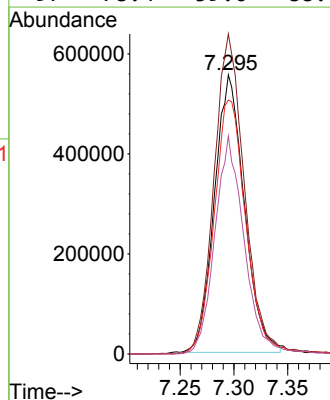
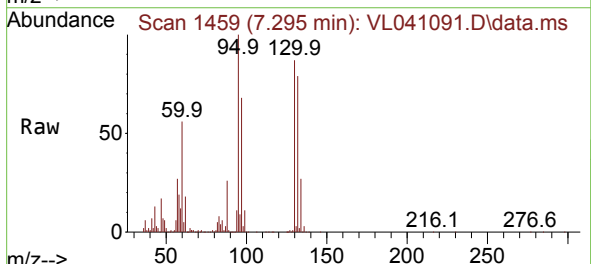
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

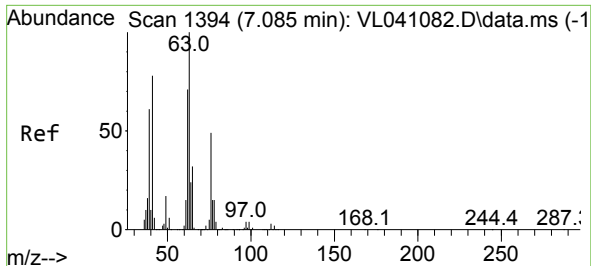
Tgt Ion: 62 Resp: 1603049
Ion Ratio Lower Upper
62 100
98 6.4 4.6 6.8



#38
Trichloroethene
Concen: 10.806 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion:130 Resp: 1072116
Ion Ratio Lower Upper
130 100
95 115.1 88.8 133.2
132 91.1 73.0 109.4
97 78.4 59.0 88.4





#39

1,2-Dichloropropane

Concen: 9.696 ppbv

RT: 7.076 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

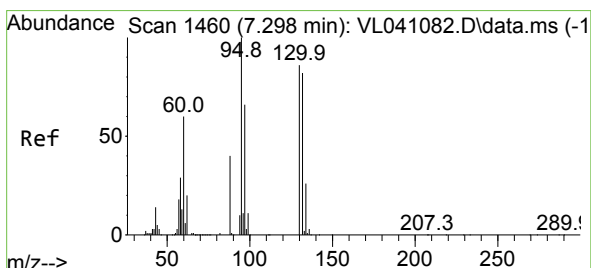
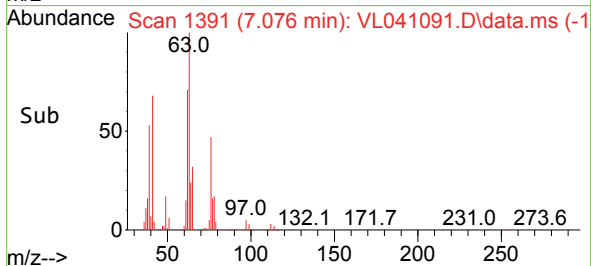
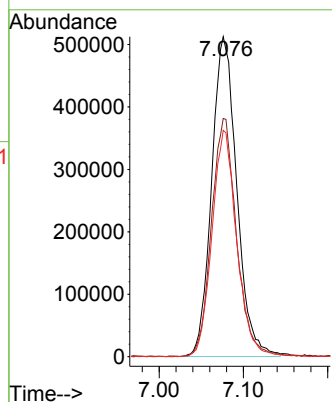
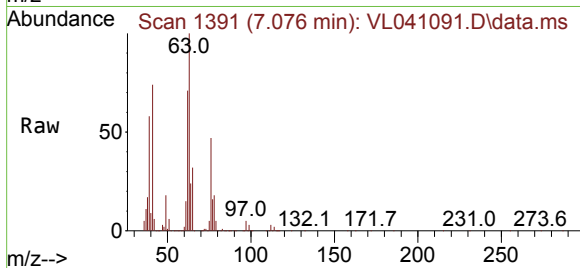
Tgt Ion: 63 Resp: 1059528

Ion Ratio Lower Upper

63 100

41 74.4 62.2 93.4

62 70.7 57.0 85.4



#40

1,4-Dioxane

Concen: 9.516 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Tgt Ion: 88 Resp: 409395

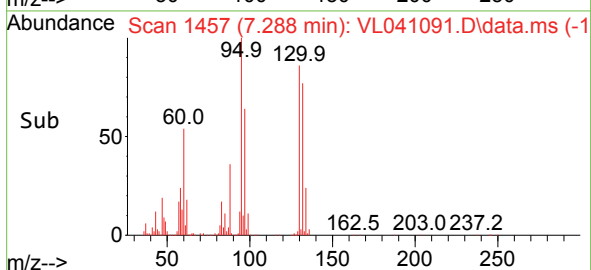
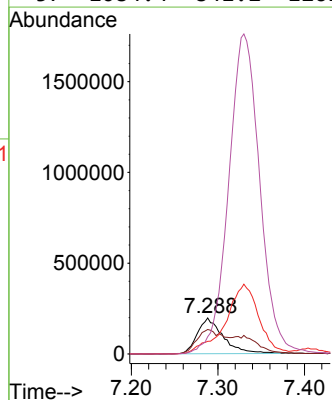
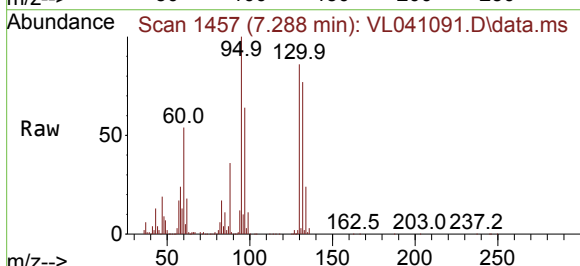
Ion Ratio Lower Upper

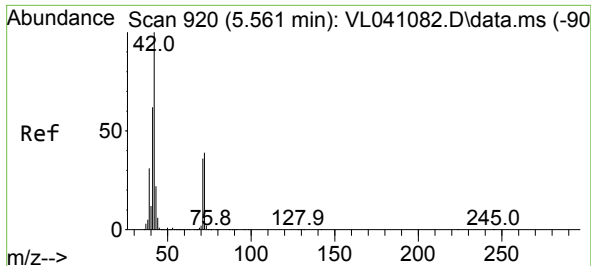
88 100

58 123.8 96.3 144.5

43 252.5 195.7 293.5

57 1084.4 841.2 1261.8

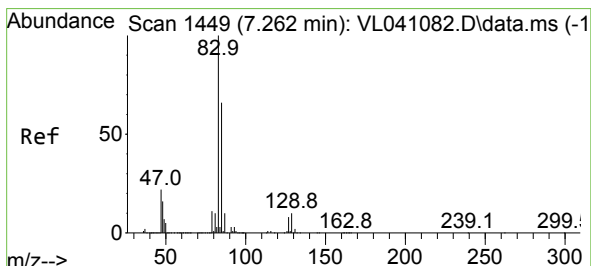
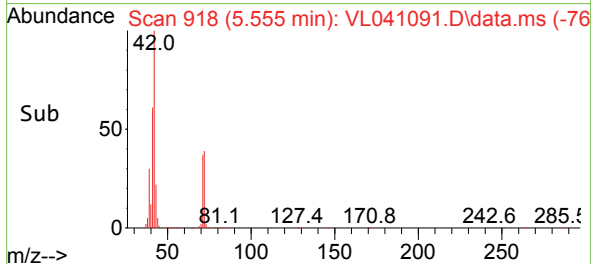
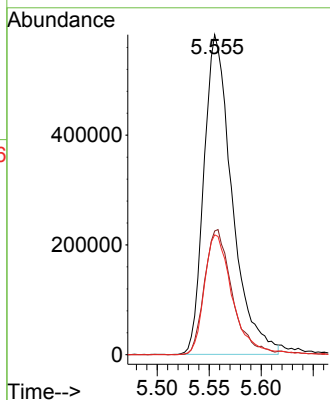
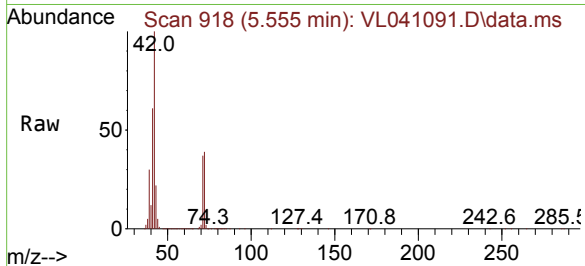




#41
Tetrahydrofuran
Concen: 10.134 ppbv
RT: 5.555 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

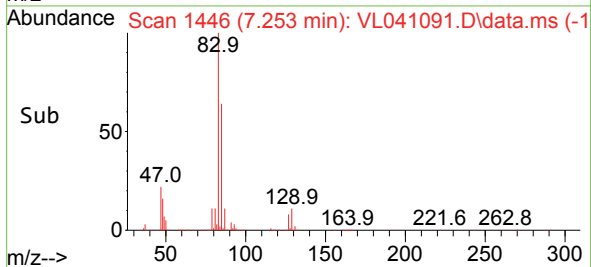
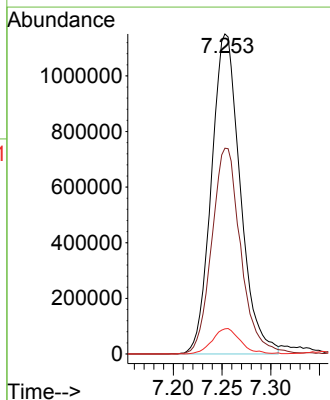
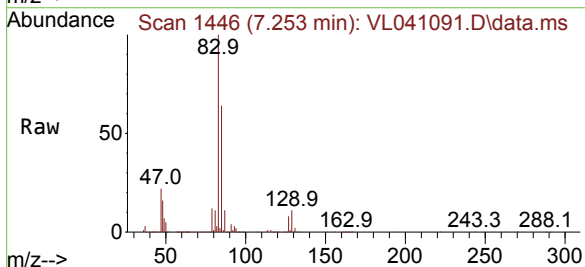
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

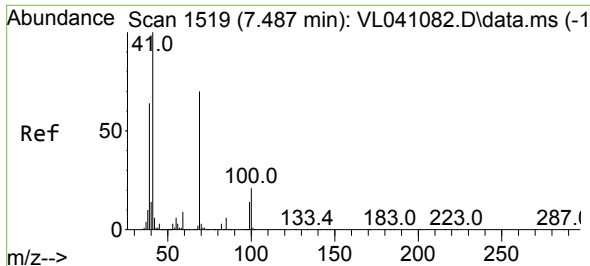
Tgt Ion: 42 Resp: 1095915
Ion Ratio Lower Upper
42 100
72 39.6 30.7 46.1
71 37.9 29.6 44.4



#42
Bromodichloromethane
Concen: 10.040 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 83 Resp: 2363918
Ion Ratio Lower Upper
83 100
85 64.3 53.1 79.7
127 7.8 6.2 9.4



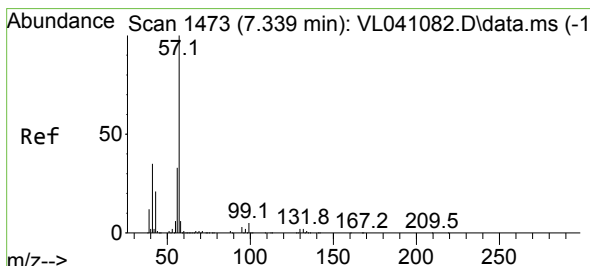
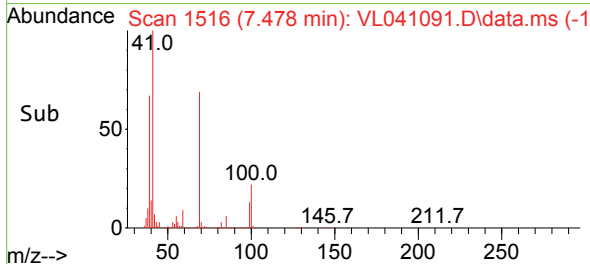
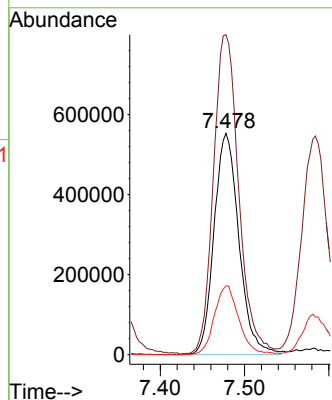
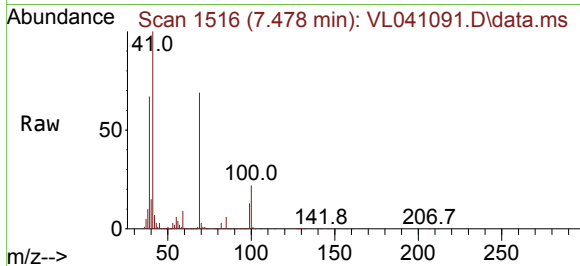


#43
Methyl Methacrylate
Concen: 10.712 ppbv
RT: 7.478 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1131928

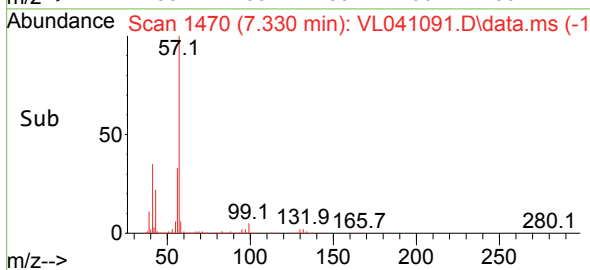
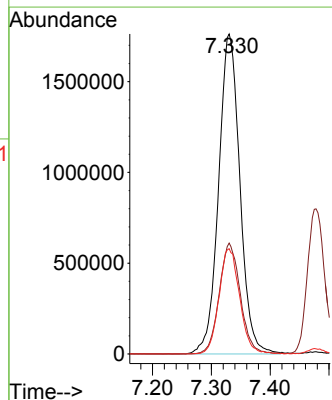
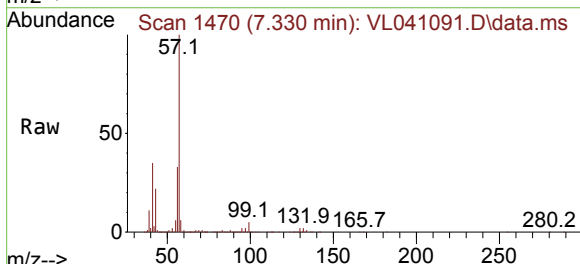
Ion	Ratio	Lower	Upper
69	100		
41	147.2	118.2	177.4
100	30.7	24.8	37.2

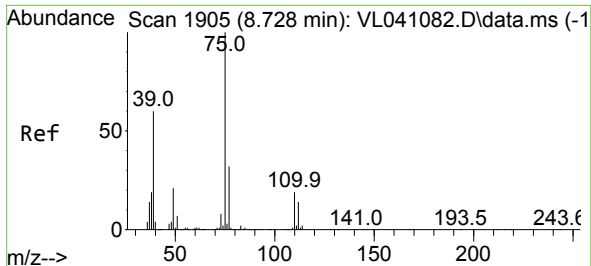


#44
2,2,4-Trimethylpentane
Concen: 9.716 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 57 Resp: 4432310

Ion	Ratio	Lower	Upper
57	100		
41	34.4	28.0	42.0
56	32.0	25.7	38.5

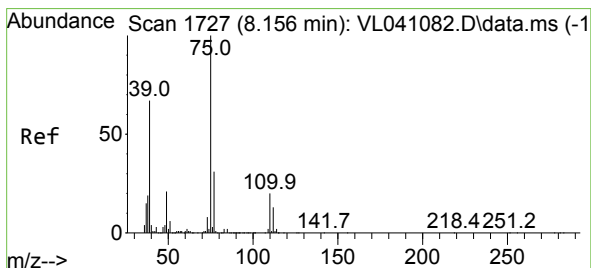
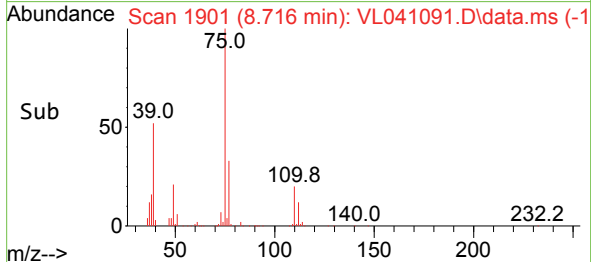
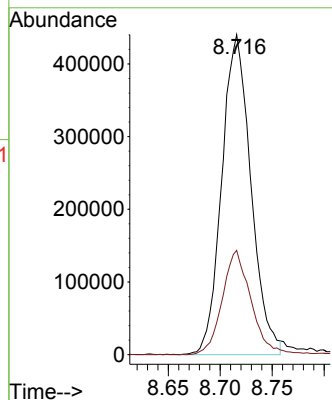
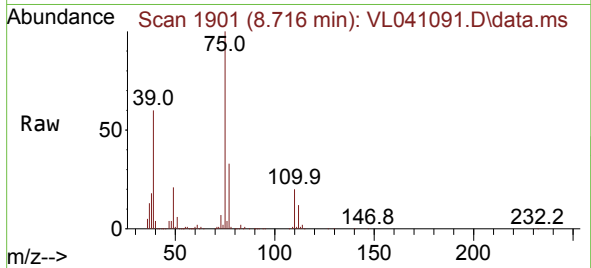




#45
 t-1,3-Dichloropropene
 Concen: 11.824 ppbv
 RT: 8.716 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

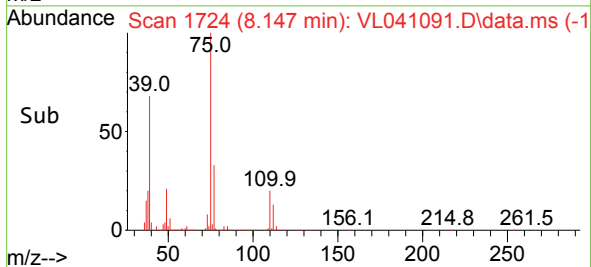
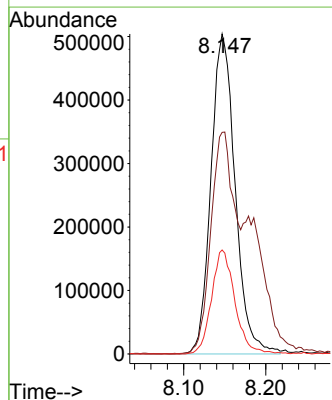
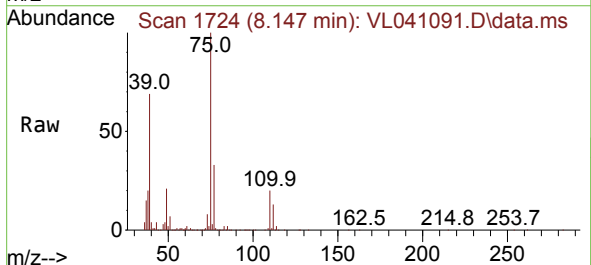
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

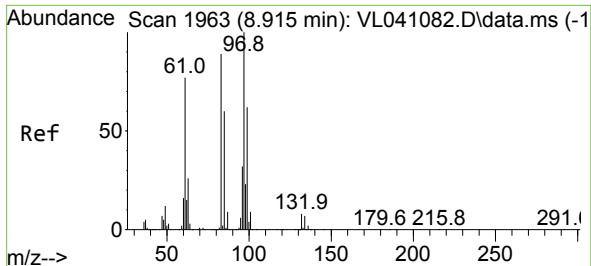
Tgt Ion: 75 Resp: 860043
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 11.289 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 75 Resp: 1031151
 Ion Ratio Lower Upper
 75 100
 39 69.1 53.3 79.9
 77 32.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.937 ppbv

RT: 8.902 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1158259

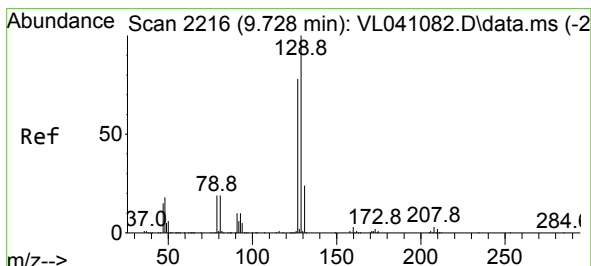
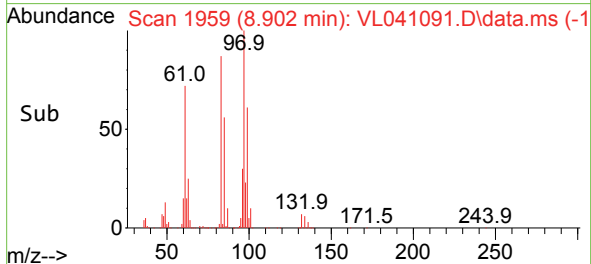
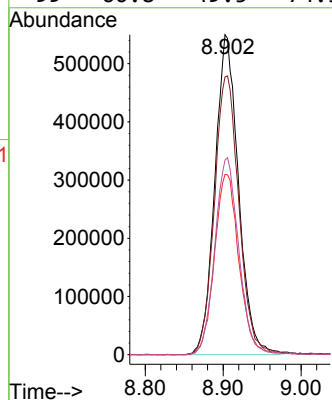
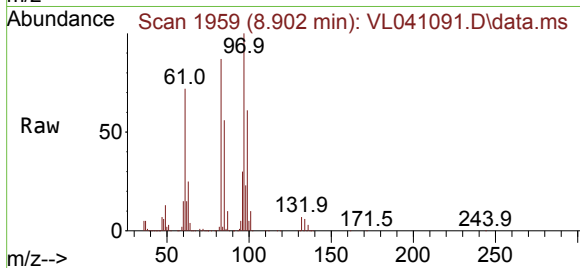
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

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

83	86.7	71.1	106.7
----	------	------	-------

85	56.3	48.2	72.2
----	------	------	------

99	60.8	49.5	74.3
----	------	------	------



#48

Dibromochloromethane

Concen: 10.545 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.000 min

Lab File: VL041091.D

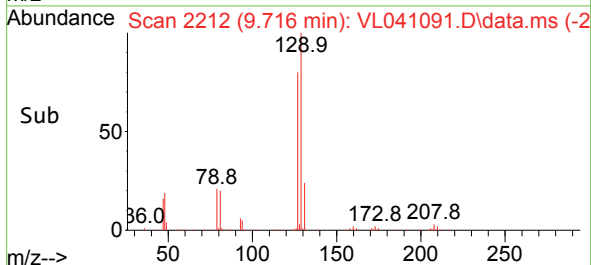
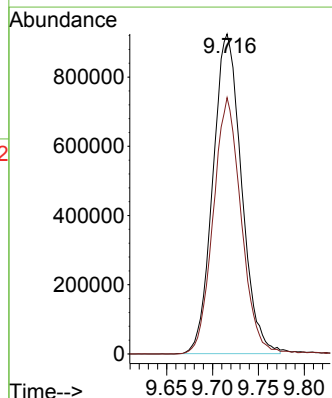
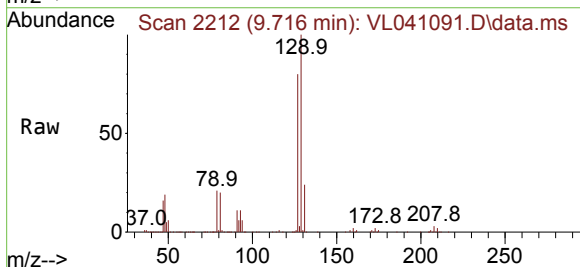
Acq: 12 Mar 2024 9:38

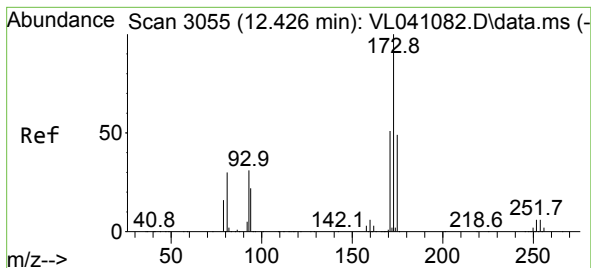
Tgt Ion: 129 Resp: 2003382

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

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

127	78.7	39.6	118.8
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#49

Bromoform

Concen: 10.686 ppbv

RT: 12.413 min Scan# 3055

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

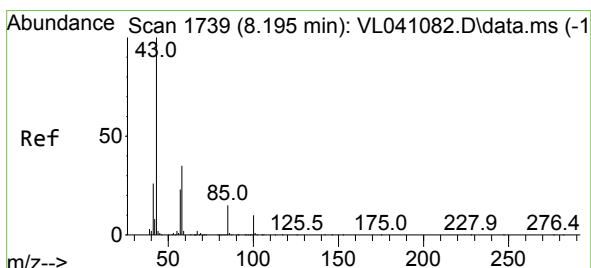
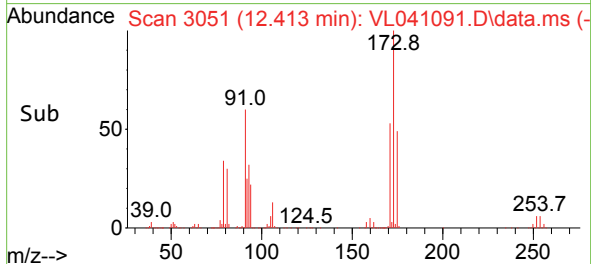
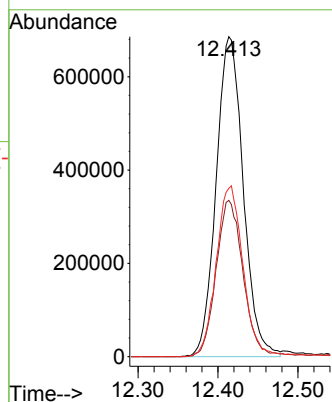
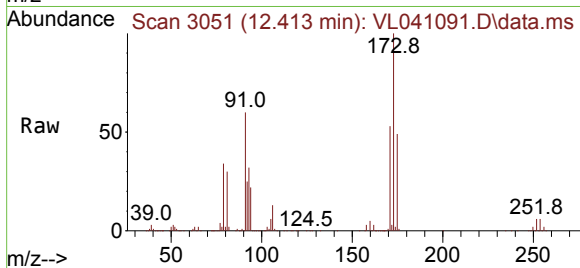
Tgt Ion:173 Resp: 1614728

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

171 53.7 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 10.395 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VL041091.D

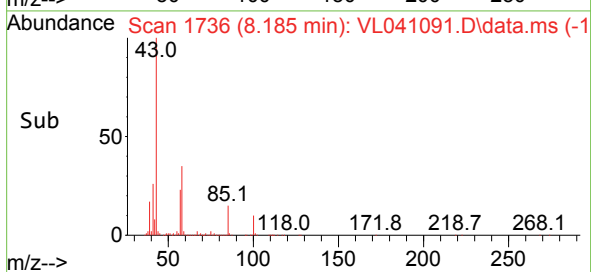
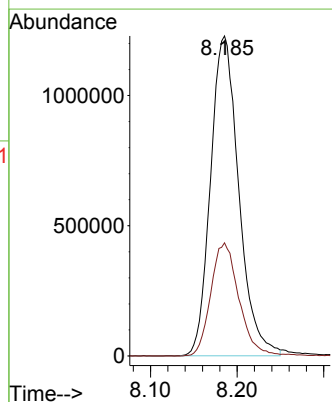
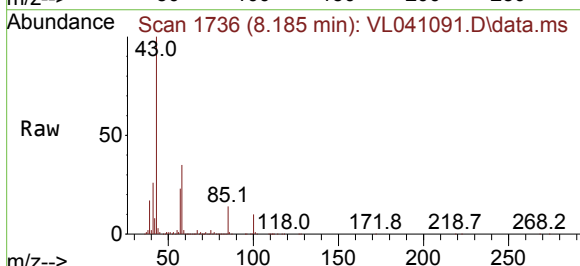
Acq: 12 Mar 2024 9:38

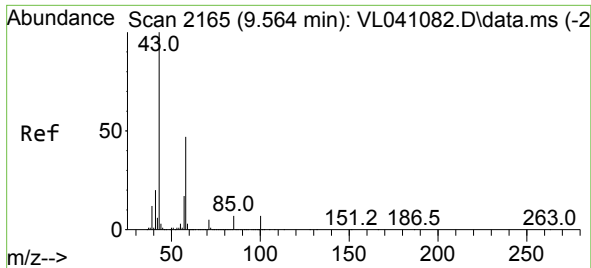
Tgt Ion: 43 Resp: 2785796

Ion Ratio Lower Upper

43 100

58 35.5 28.3 42.5

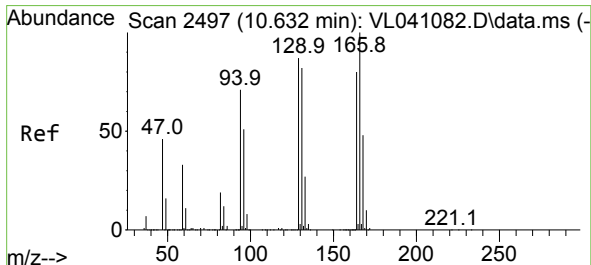
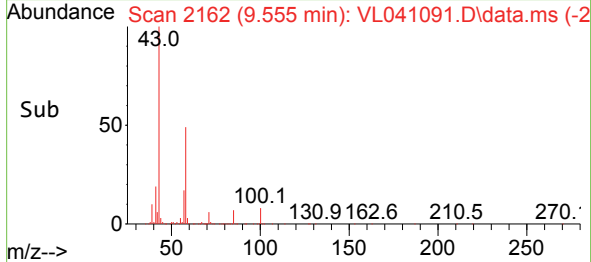
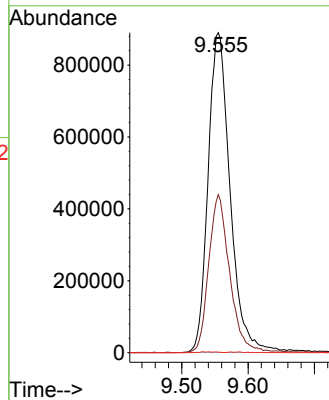
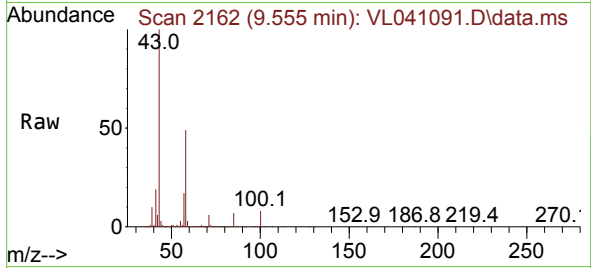




#51
2-Hexanone
Concen: 10.451 ppbv
RT: 9.555 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

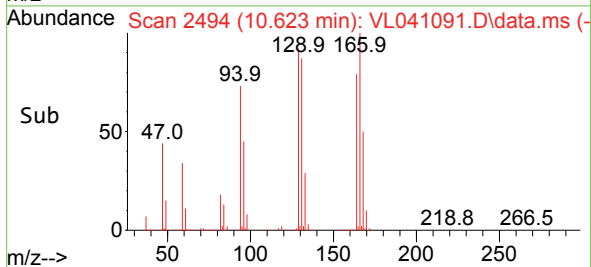
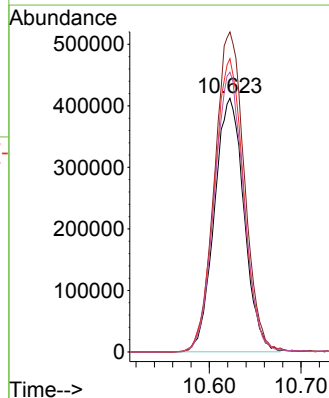
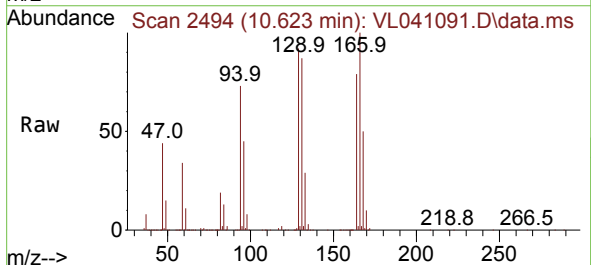
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

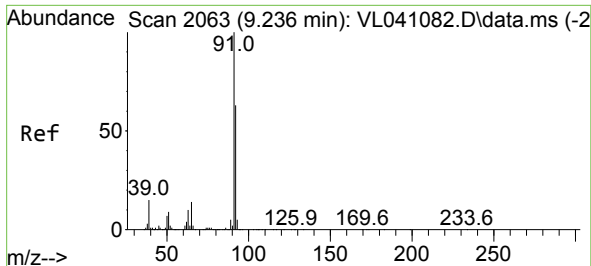
Tgt Ion: 43 Resp: 2051538
Ion Ratio Lower Upper
43 100
58 47.7 37.4 56.2
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.921 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 164 Resp: 925354
Ion Ratio Lower Upper
164 100
166 126.0 100.6 150.8
129 115.5 87.2 130.8
131 110.3 82.4 123.6

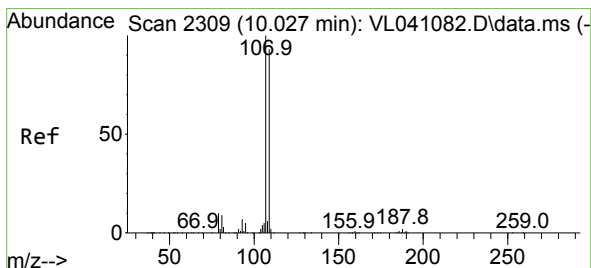
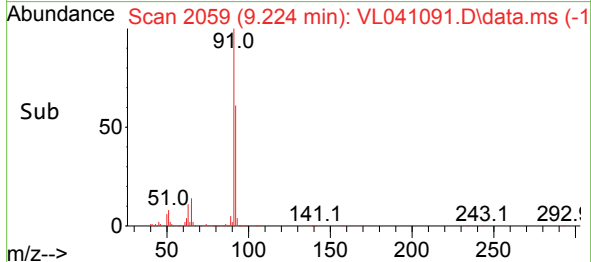
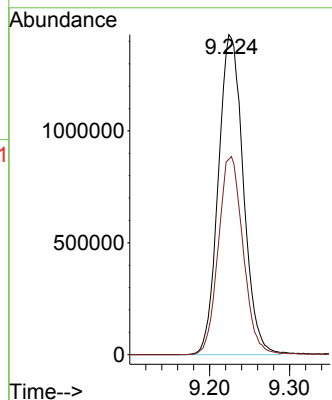
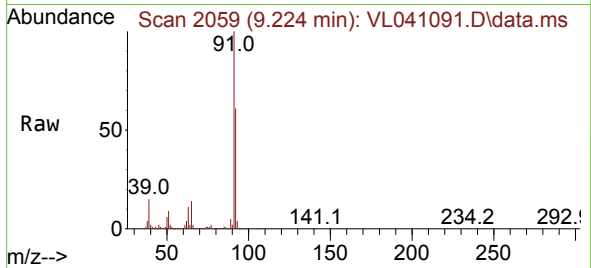




#53
Toluene
Concen: 10.518 ppbv
RT: 9.224 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

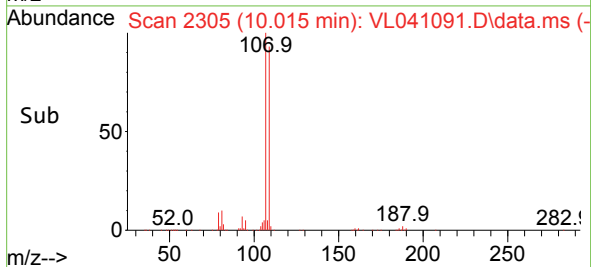
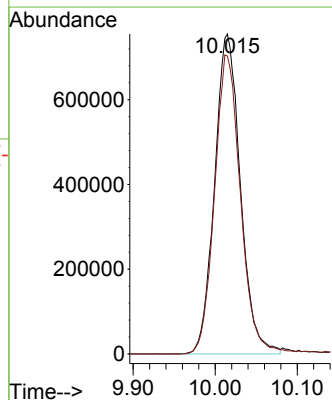
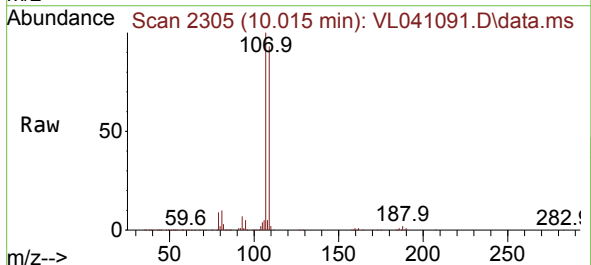
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

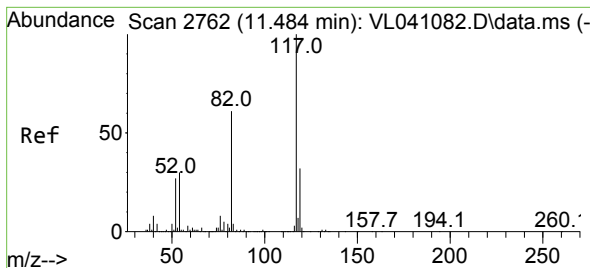
Tgt Ion: 91 Resp: 3097075
Ion Ratio Lower Upper
91 100
92 61.7 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.019 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 107 Resp: 1651721
Ion Ratio Lower Upper
107 100
109 93.1 74.4 111.6

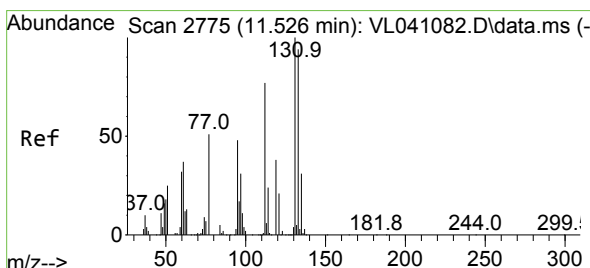
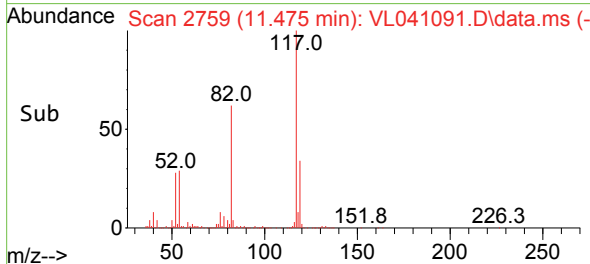
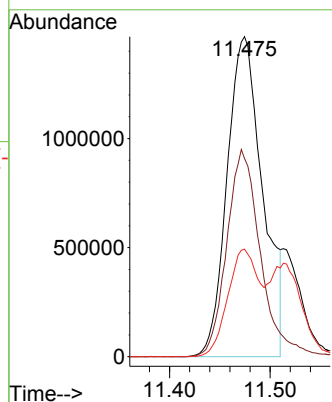
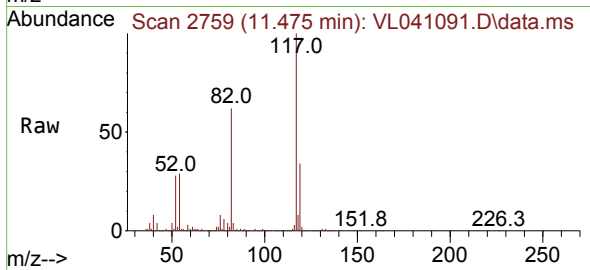




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

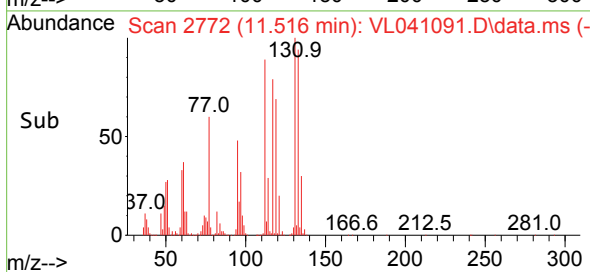
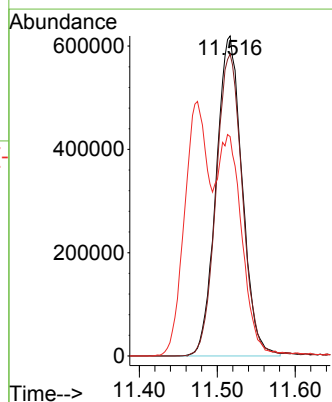
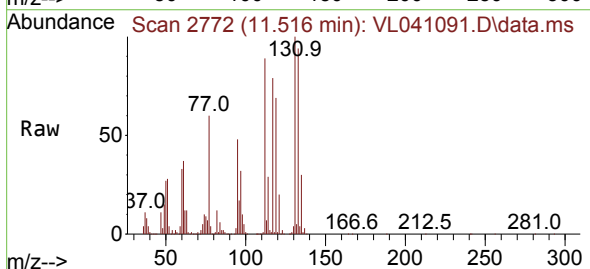
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

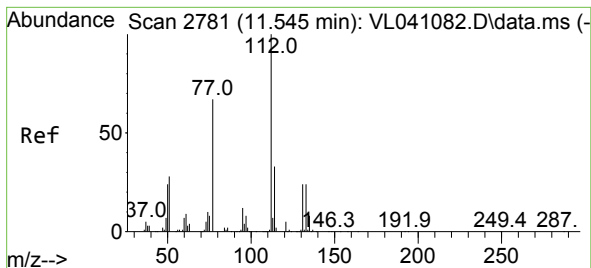
Tgt Ion:117 Resp: 3606932
Ion Ratio Lower Upper
117 100
82 62.0 51.4 77.2
119 31.2 23.7 35.5



#56
1,1,1,2-Tetrachloroethane
Concen: 9.330 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion:131 Resp: 1439798
Ion Ratio Lower Upper
131 100
133 95.9 76.1 114.1
119 57.9 51.1 76.7

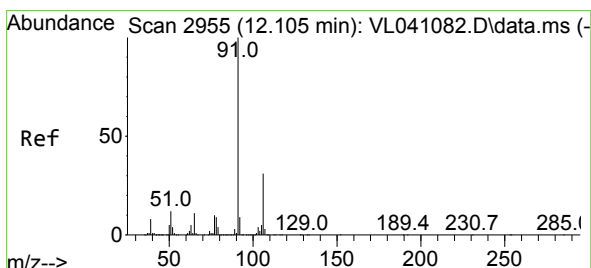
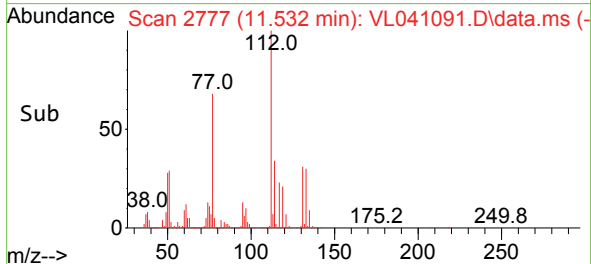
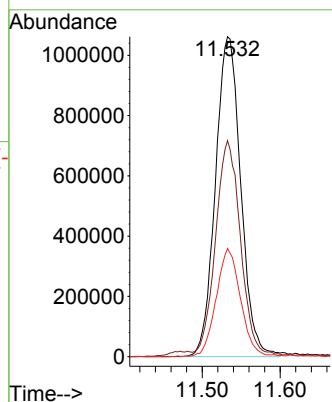
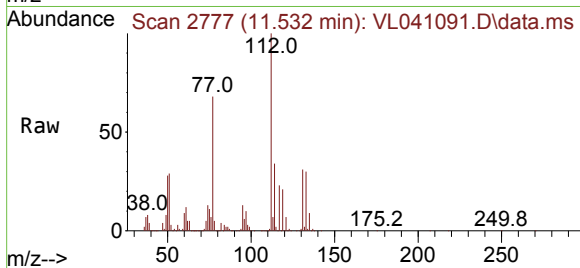




#57
Chlorobenzene
Concen: 9.429 ppbv
RT: 11.532 min Scan# 211
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

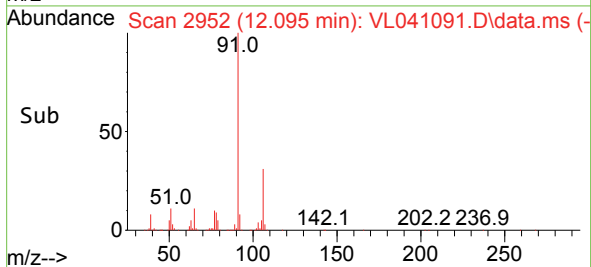
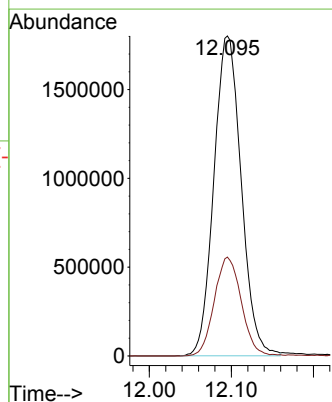
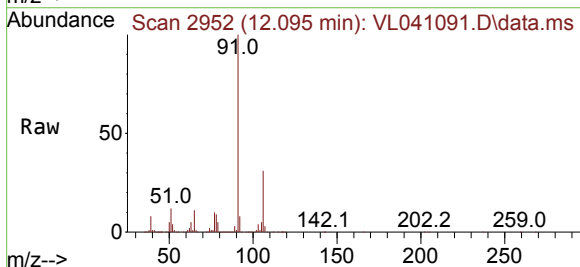
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

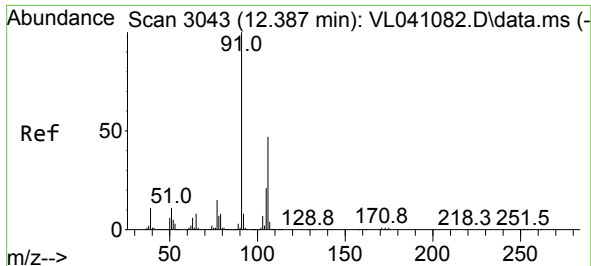
Tgt Ion:112 Resp: 2397181
Ion Ratio Lower Upper
112 100
77 66.8 54.6 81.8
114 33.7 29.4 36.0



#58
Ethyl Benzene
Concen: 9.874 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 91 Resp: 4169580
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8





#59

m/p-Xylene

Concen: 11.792 ppbv

RT: 12.381 min Scan# 3043

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

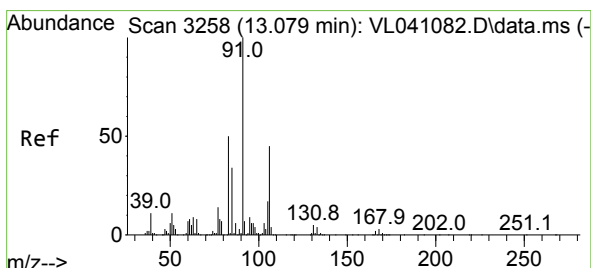
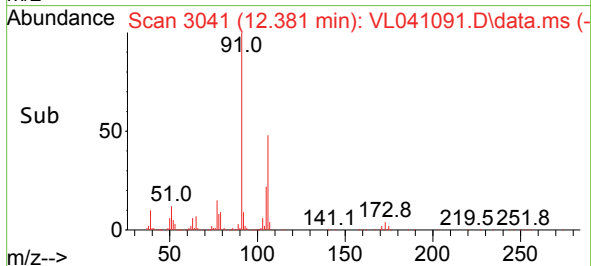
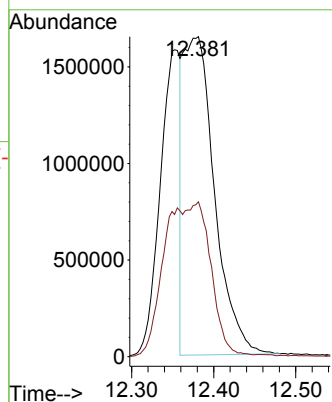
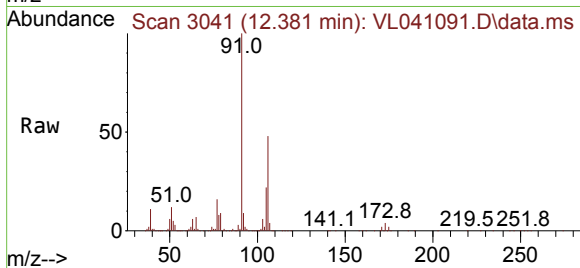
VSTDCCC010

Tgt Ion: 91 Resp: 4370901

Ion Ratio Lower Upper

91 100

106 72.9 35.4 53.2#



#60

o-Xylene

Concen: 9.632 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL041091.D

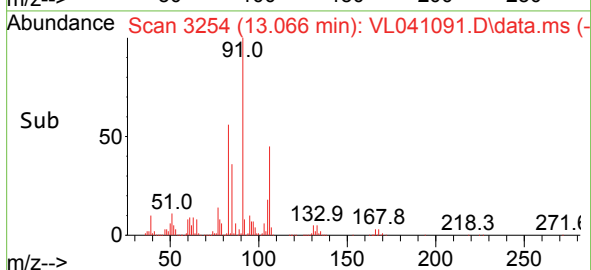
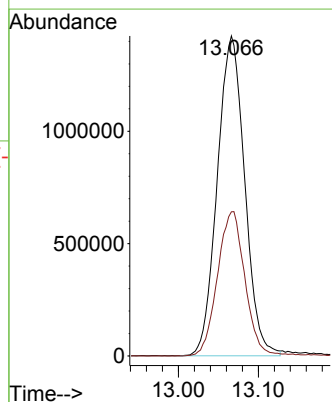
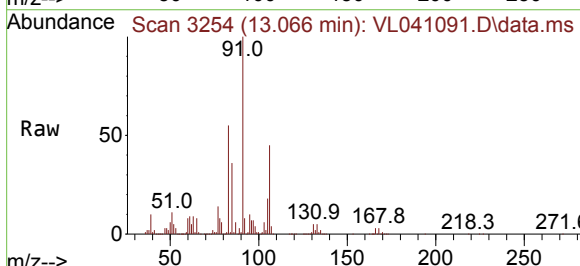
Acq: 12 Mar 2024 9:38

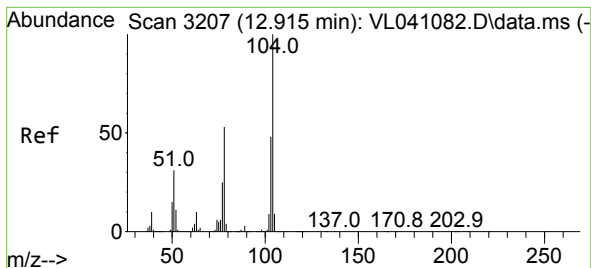
Tgt Ion: 91 Resp: 3389838

Ion Ratio Lower Upper

91 100

106 46.0 22.4 67.3





#61

Styrene

Concen: 11.147 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

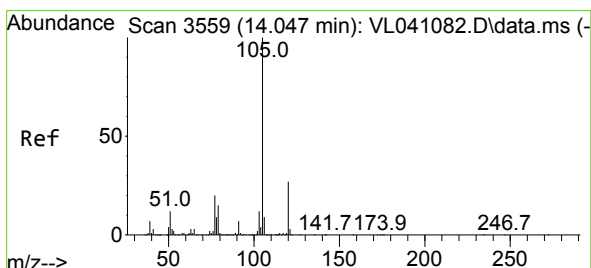
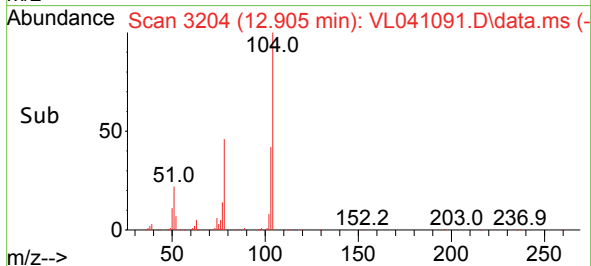
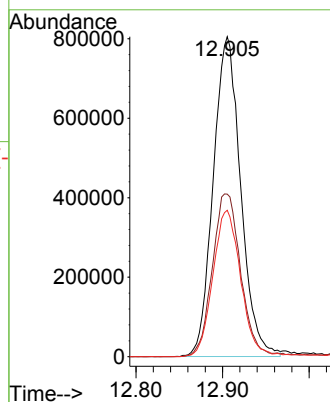
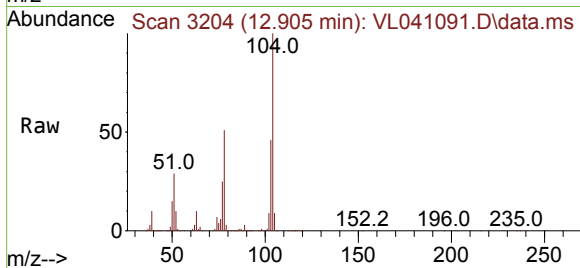
Tgt Ion:104 Resp: 1771544

Ion Ratio Lower Upper

104 100

78 53.3 42.6 64.0

103 47.0 37.3 55.9



#62

Isopropylbenzene

Concen: 9.502 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL041091.D

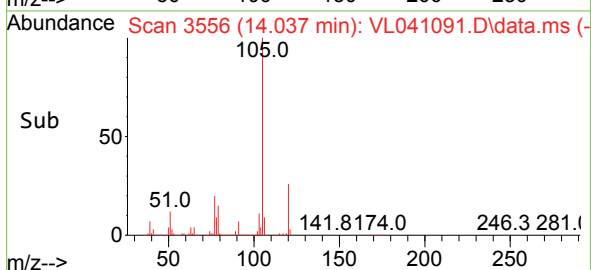
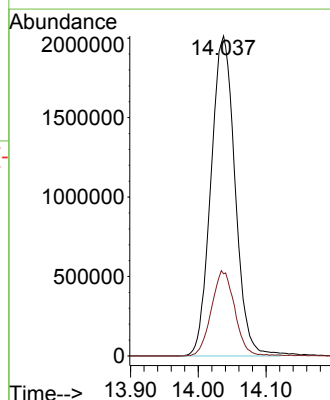
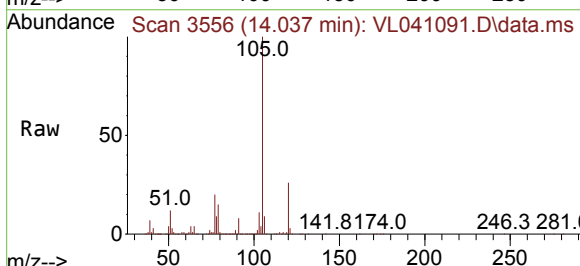
Acq: 12 Mar 2024 9:38

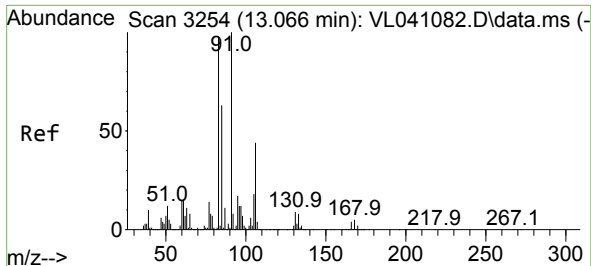
Tgt Ion:105 Resp: 4968240

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

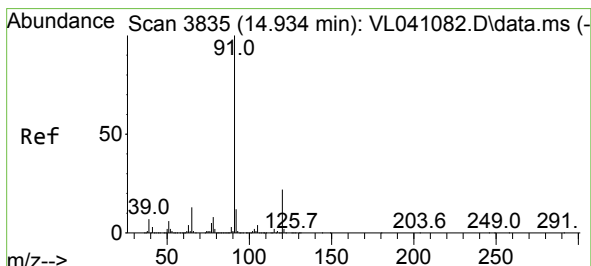
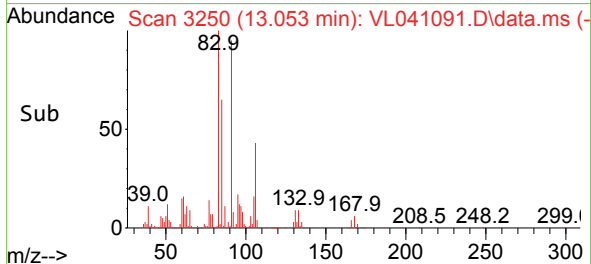
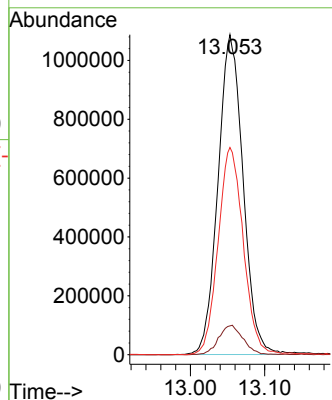
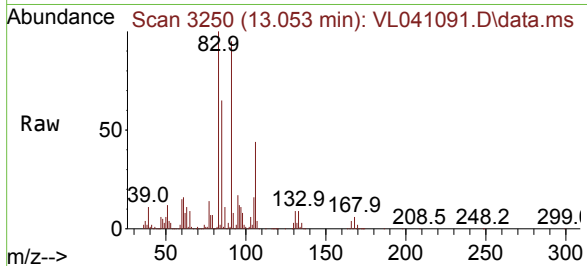




#63
1,1,2,2-Tetrachloroethane
Concen: 9.616 ppbv
RT: 13.053 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

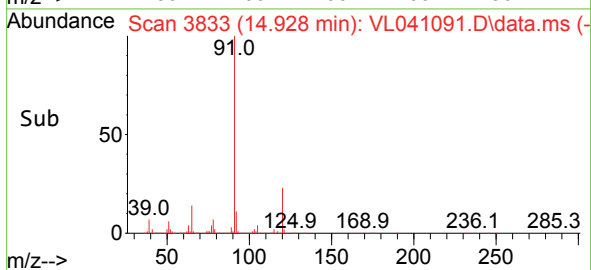
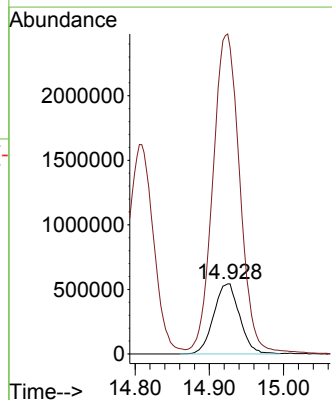
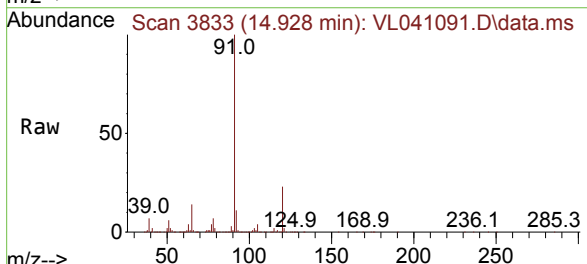
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

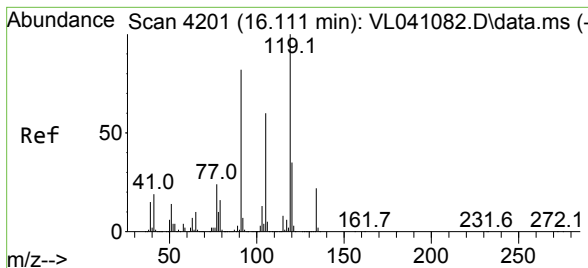
Tgt Ion: 83 Resp: 2543845
Ion Ratio Lower Upper
83 100
131 9.0 4.7 14.0
85 65.6 32.7 98.1



#64
n-propylbenzene
Concen: 10.023 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion:120 Resp: 1318582
Ion Ratio Lower Upper
120 100
91 474.7 387.5 581.3





#65

tert-Butylbenzene

Concen: 9.715 ppbv

RT: 16.098 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

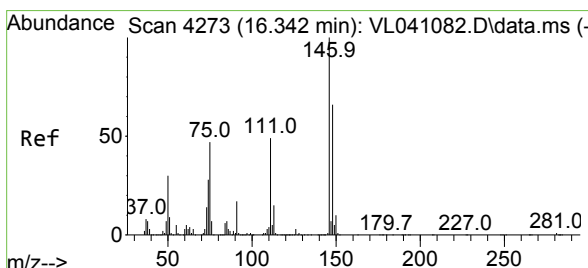
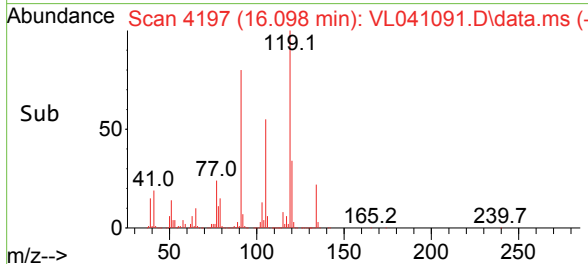
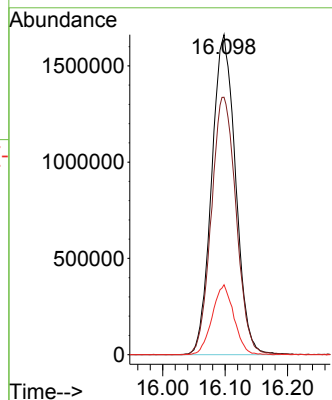
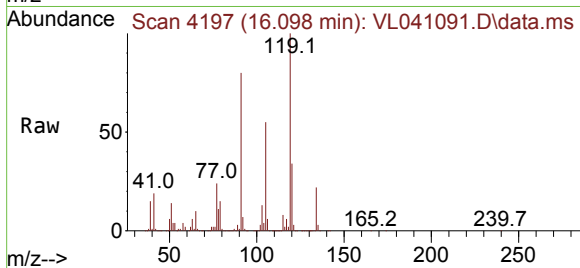
Tgt Ion:119 Resp: 4414549

Ion Ratio Lower Upper

119 100

91 83.5 67.8 101.8

134 19.9 16.2 24.2



#66

Benzyl Chloride

Concen: 4.623 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

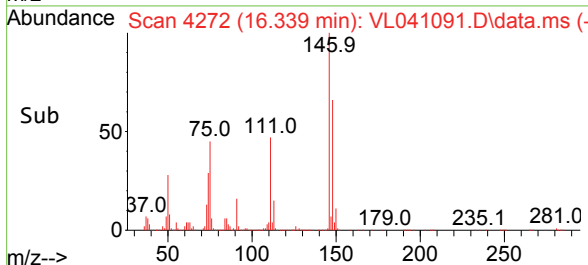
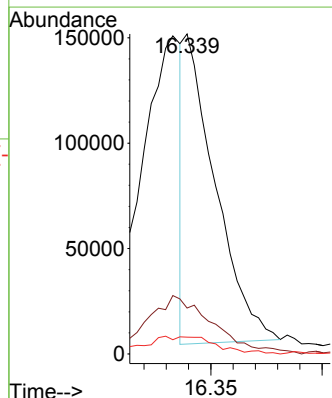
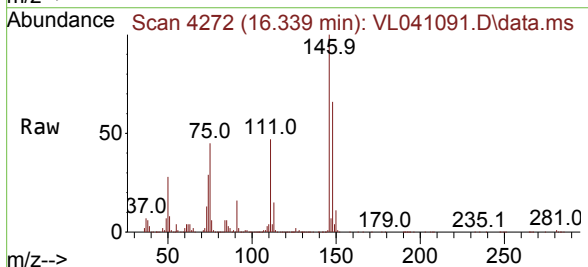
Tgt Ion: 91 Resp: 142337

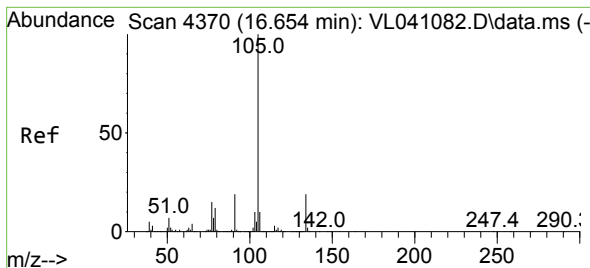
Ion Ratio Lower Upper

91 100

126 0.0 14.1 21.1#

128 0.0 4.6 7.0#

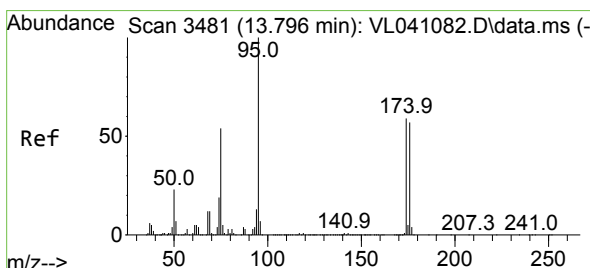
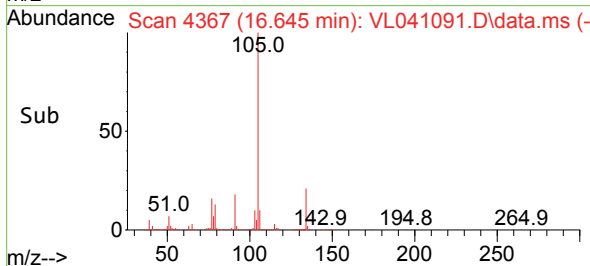
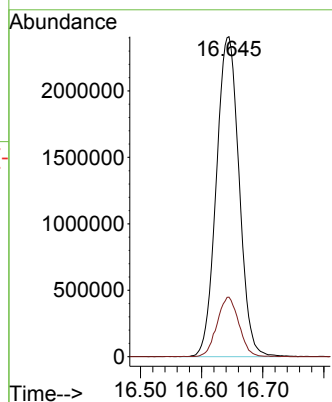
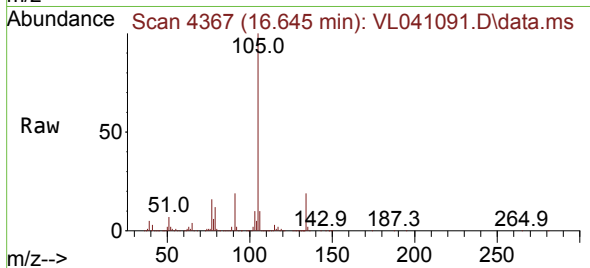




#67
 sec-Butylbenzene
 Concen: 9.519 ppbv
 RT: 16.645 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

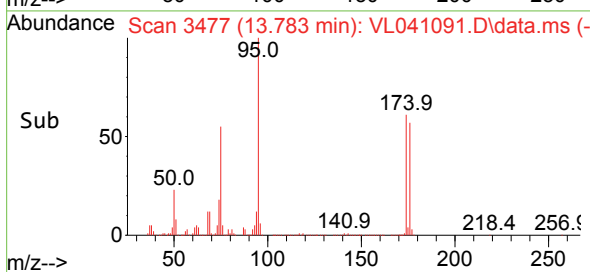
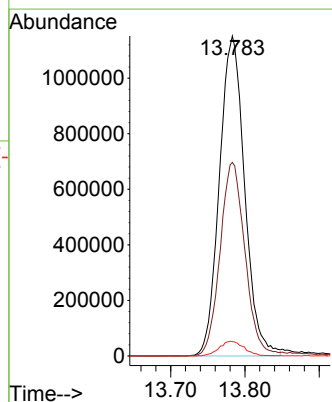
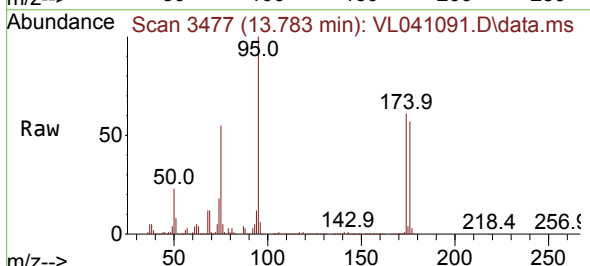
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

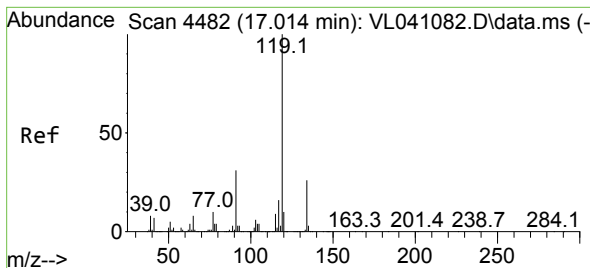
Tgt Ion:105 Resp: 6222177
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.639 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Tgt Ion: 95 Resp: 2718352
 Ion Ratio Lower Upper
 95 100
 174 61.3 47.8 71.8
 175 4.6 3.5 5.3





#69

p-Isopropyltoluene

Concen: 9.981 ppbv

RT: 16.998 min Scan# 44

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

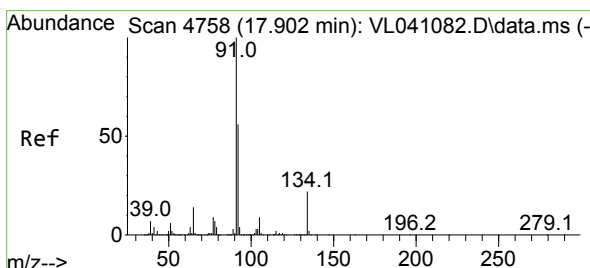
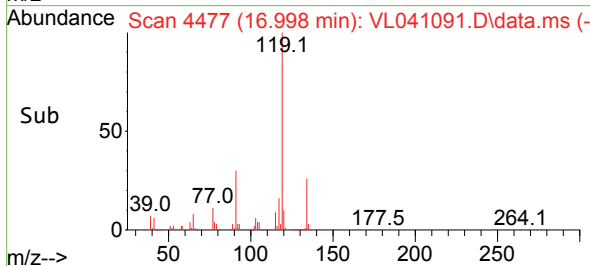
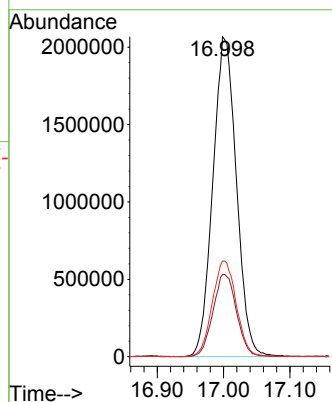
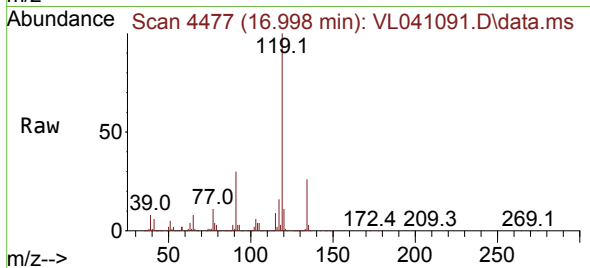
Tgt Ion:119 Resp: 5089116

Ion Ratio Lower Upper

119 100

134 25.8 20.6 30.8

91 30.6 24.7 37.1



#70

n-Butylbenzene

Concen: 9.977 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

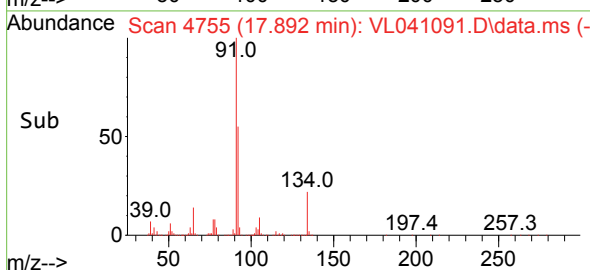
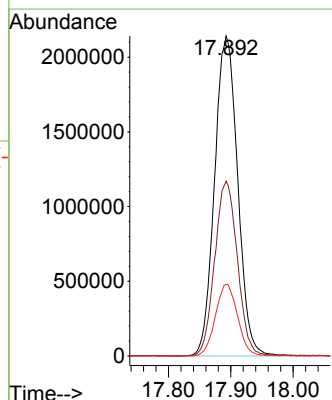
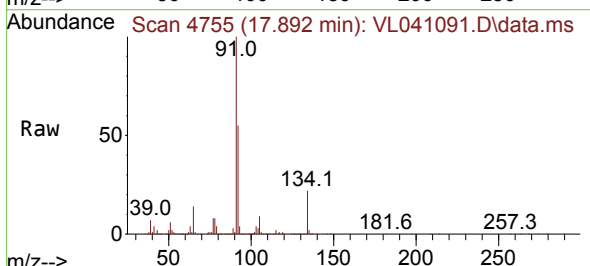
Tgt Ion: 91 Resp: 5497975

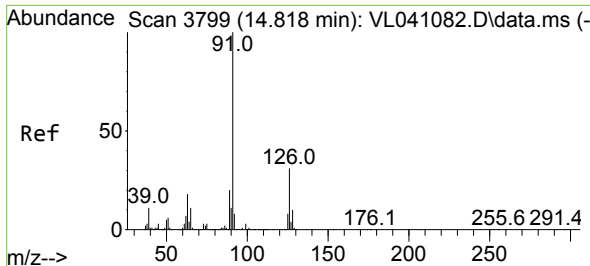
Ion Ratio Lower Upper

91 100

92 53.9 43.4 65.2

134 21.7 17.4 26.0

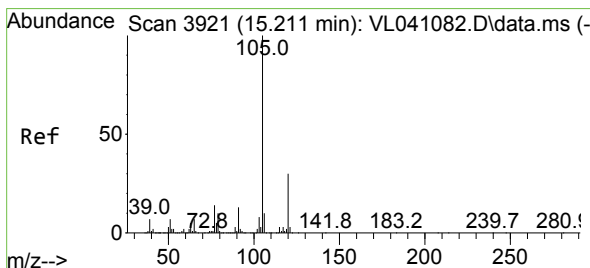
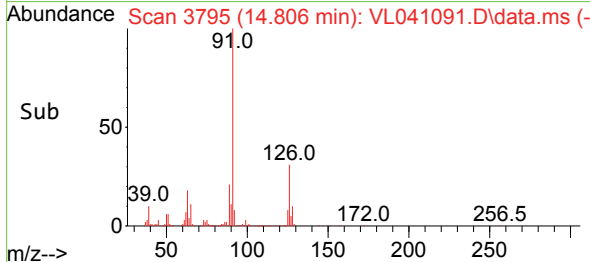
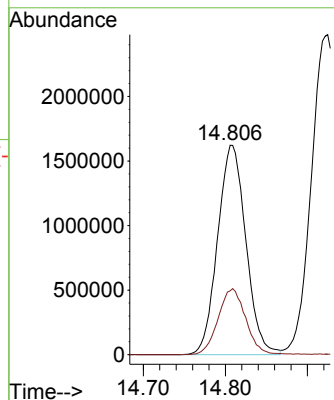
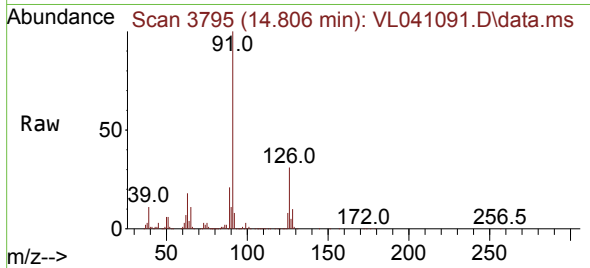




#71
2-Chlorotoluene
Concen: 9.716 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

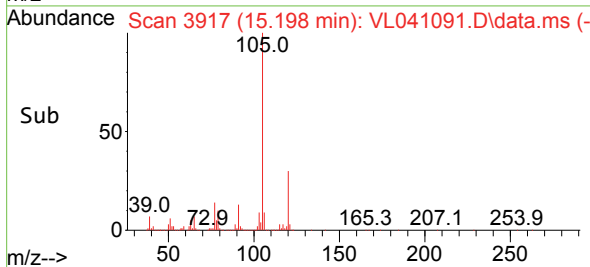
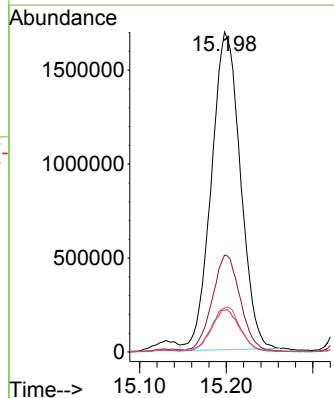
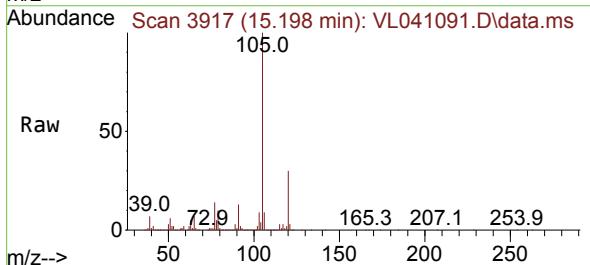
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

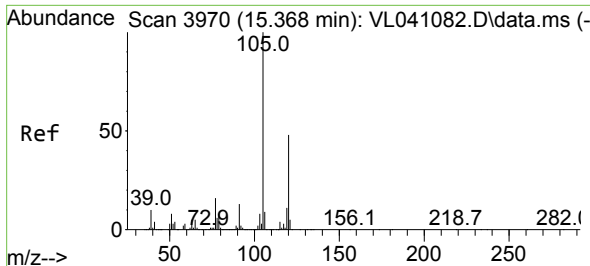
Tgt Ion: 91 Resp: 3885788
Ion Ratio Lower Upper
91 100
126 31.3 12.2 48.8



#72
4-Ethyltoluene
Concen: 10.164 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion: 105 Resp: 3938566
Ion Ratio Lower Upper
105 100
120 30.1 23.8 35.8
91 13.4 10.9 16.3
77 14.5 11.8 17.6

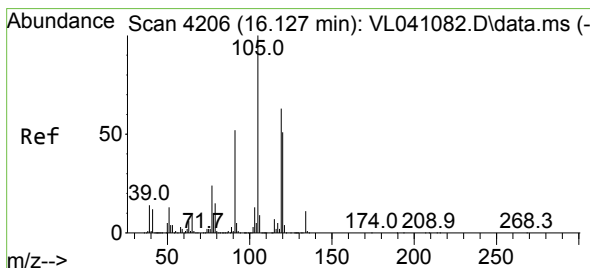
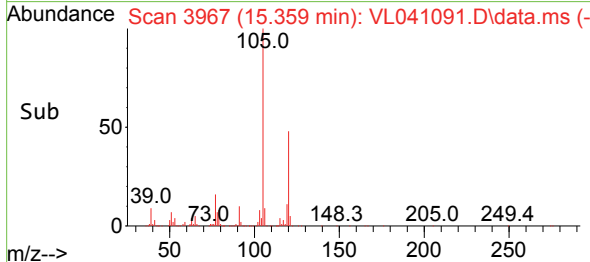
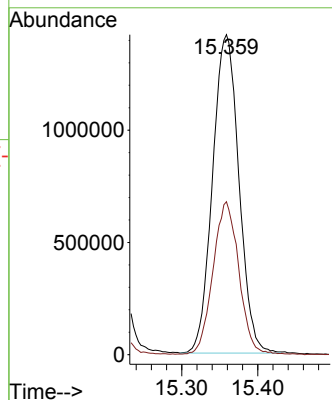
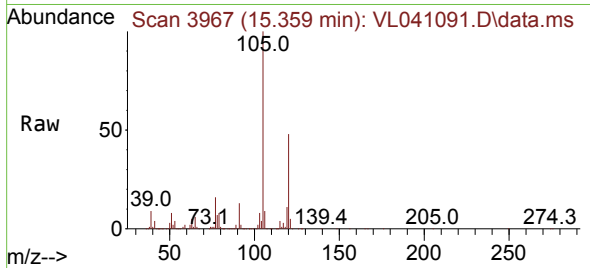




#73
1,3,5-Trimethylbenzene
Concen: 9.951 ppbv
RT: 15.359 min Scan# 3970
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

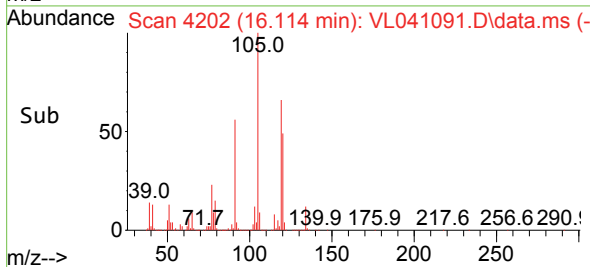
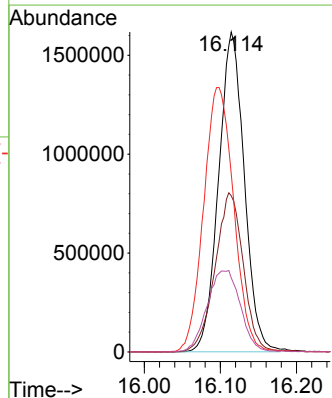
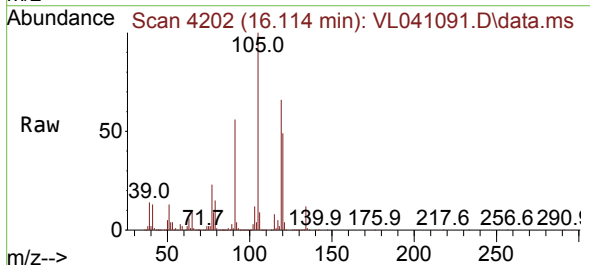
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

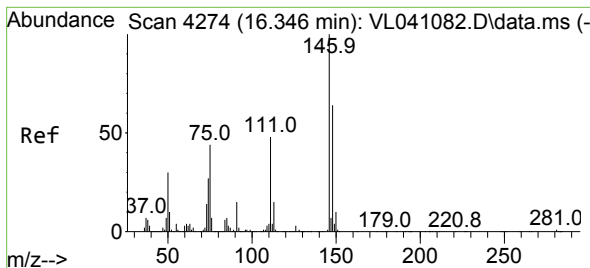
Tgt Ion:105 Resp: 3412338
Ion Ratio Lower Upper
105 100
120 47.8 38.7 58.1



#74
1,2,4-Trimethylbenzene
Concen: 9.685 ppbv
RT: 16.114 min Scan# 4202
Delta R.T. 0.000 min
Lab File: VL041091.D
Acq: 12 Mar 2024 9:38

Tgt Ion:105 Resp: 3793154
Ion Ratio Lower Upper
105 100
120 48.7 40.4 60.6
91 55.3 41.4 62.0
77 22.9 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.915 ppbv

RT: 16.339 min Scan# 4316

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

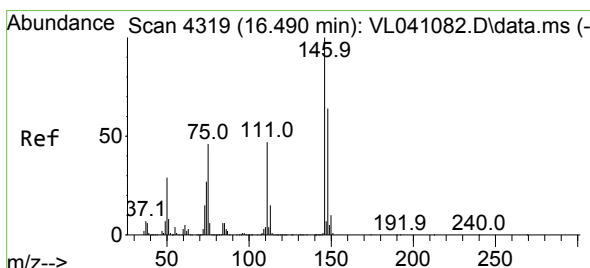
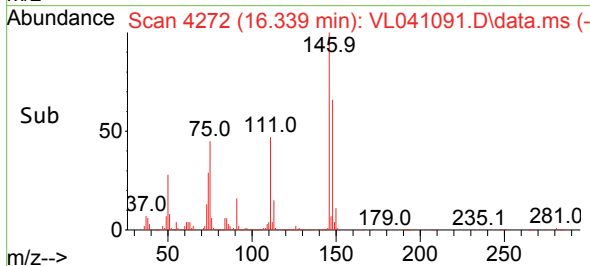
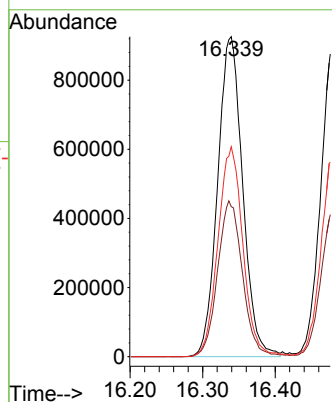
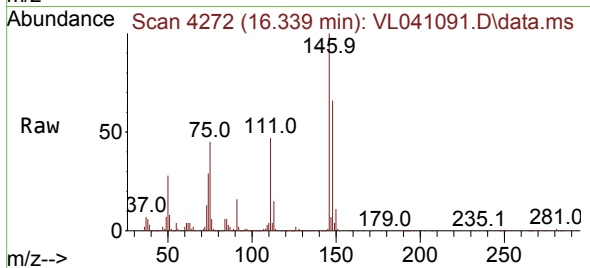
Tgt Ion:146 Resp: 2217504

Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.2

148 65.5 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 9.553 ppbv

RT: 16.481 min Scan# 4316

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

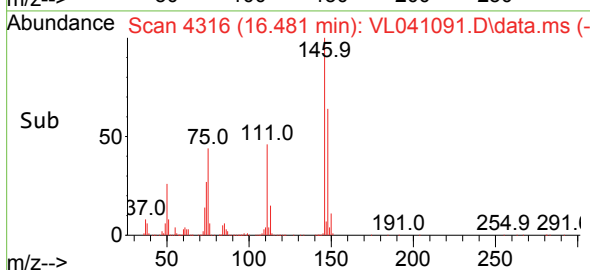
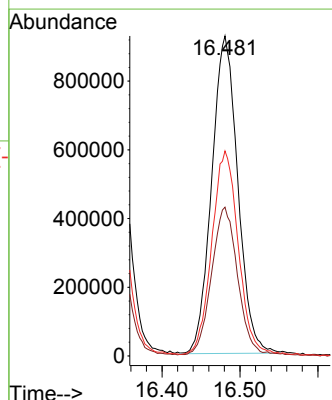
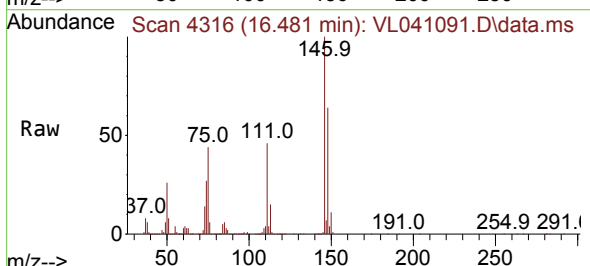
Tgt Ion:146 Resp: 2152894

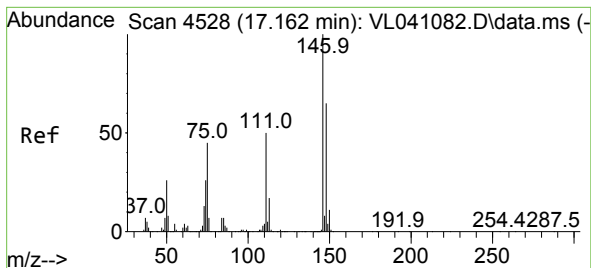
Ion Ratio Lower Upper

146 100

111 47.3 23.9 71.7

148 66.7 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.816 ppbv

RT: 17.150 min Scan# 4524

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

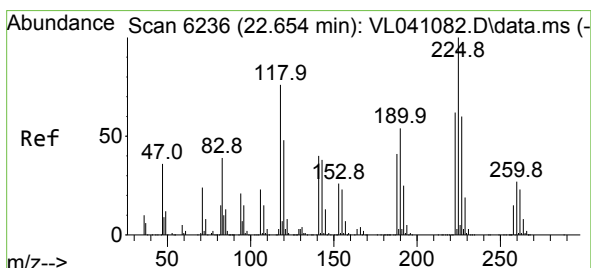
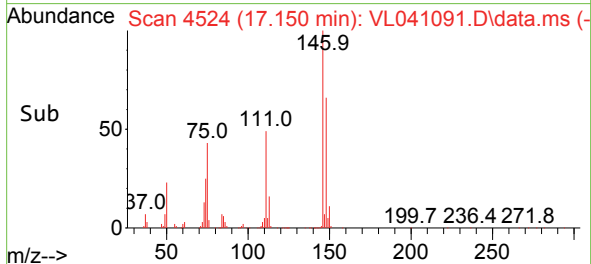
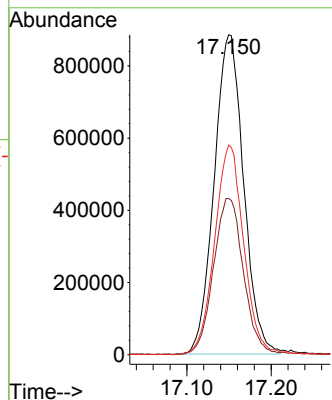
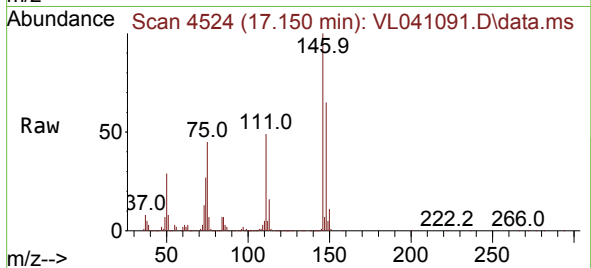
Tgt Ion:146 Resp: 2145266

Ion Ratio Lower Upper

146 100

111 50.1 25.2 75.6

148 65.3 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 4.545 ppbv

RT: 22.645 min Scan# 6233

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

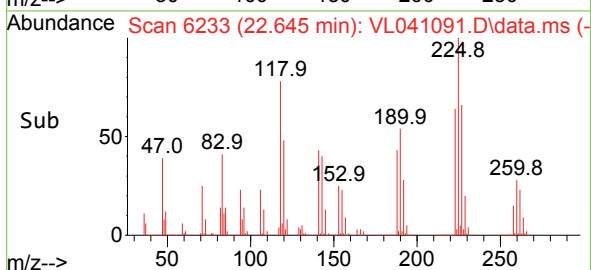
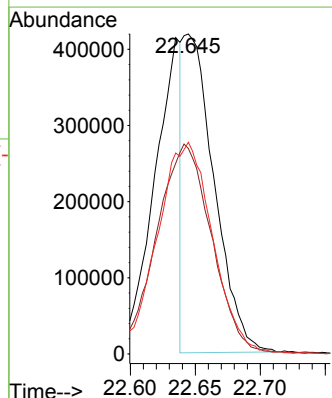
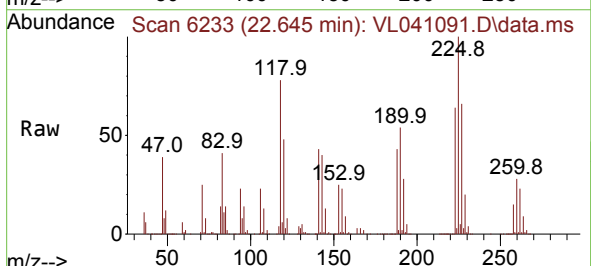
Tgt Ion:225 Resp: 699356

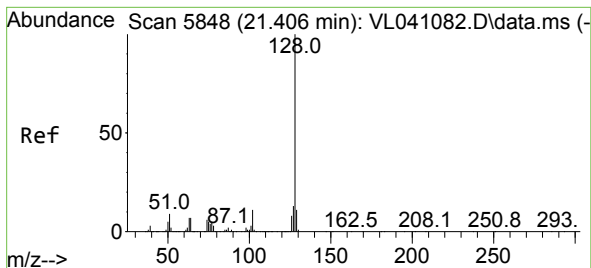
Ion Ratio Lower Upper

225 100

223 117.5 51.1 76.7#

227 119.0 51.1 76.7#





#79

Naphthalene

Concen: 13.839 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

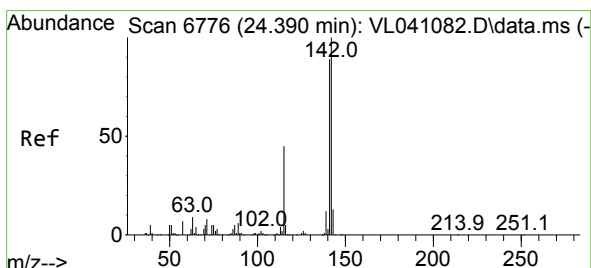
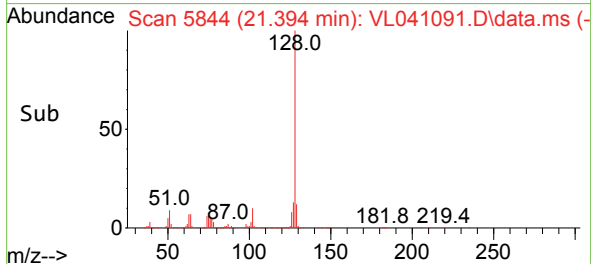
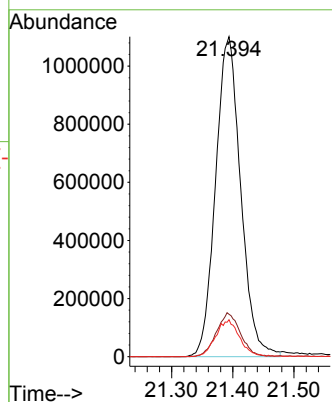
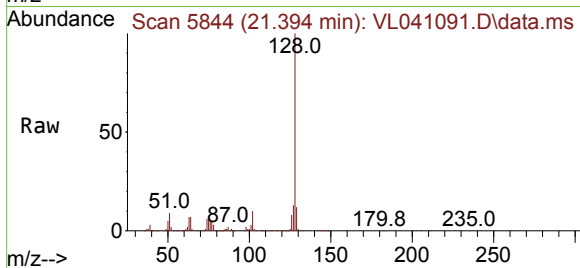
Tgt Ion:128 Resp: 3138767

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.6 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 20.034 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL041091.D

Acq: 12 Mar 2024 9:38

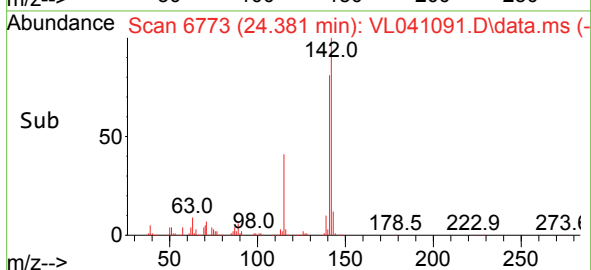
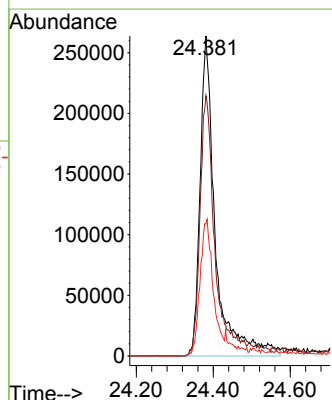
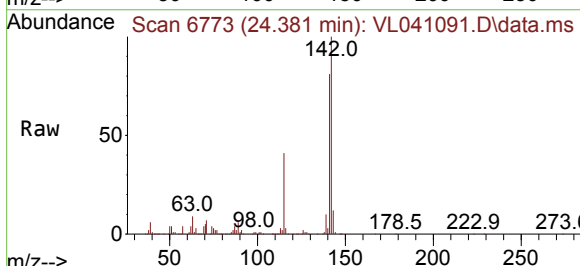
Tgt Ion:142 Resp: 728358

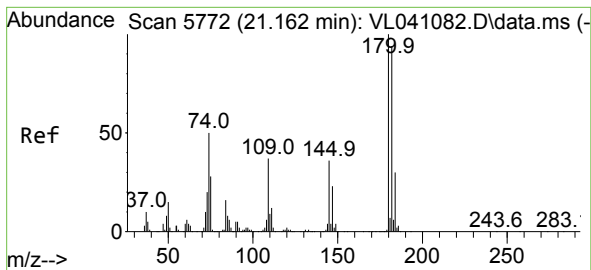
Ion Ratio Lower Upper

142 100

141 84.3 61.3 91.9

115 40.5 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.653 ppbv
 RT: 21.149 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041091.D
 Acq: 12 Mar 2024 9:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1522019
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.7 118.1
 184 30.5 25.3 37.9

