

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041104.D
 Acq On : 14 Mar 2024 11:37
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Mar 15 02:45:48 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 : Fri Mar 15 02:44:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1379919	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3566833	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3320264	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2636862	10.158	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	1954427	7.433	ppbv	98
3) Chlorodifluoromethane	2.661	51	2052530	10.128	ppbv	100
4) Chloromethane	2.800	50	787208	10.263	ppbv	100
5) Vinyl Chloride	2.909	62	833040	10.673	ppbv	97
6) Bromomethane	3.108	94	236443	7.639	ppbv	99
7) Chloroethane	3.186	64	277627	10.243	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1956685	10.247	ppbv	97
9) Propene	2.681	41	713081	10.565	ppbv	99
10) Heptane	7.568	43	1706676	10.568	ppbv	98
11) Trichlorofluoromethane	3.552	101	2000559	9.867	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1480992	9.935	ppbv	99
13) Ethanol	3.227	45	137339	7.636	ppbv	95
14) Bromoethene	3.353	108	624548	10.745	ppbv	98
15) Acetone	3.456	43	1437920	9.146	ppbv	100
16) 1,3-Butadiene	2.973	39	767447	10.762	ppbv	100
17) tert-Butyl alcohol	3.864	59	1465811	12.592	ppbv	99
18) 1,1-Dichloroethene	3.867	96	658331	10.118	ppbv	98
19) Isopropyl Alcohol	3.562	45	969181	11.541	ppbv	99
20) Methylene Chloride	3.922	84	565703	9.230	ppbv	95
21) Allyl Chloride	3.986	41	891752	10.043	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	693036	9.124	ppbv	98
23) Vinyl Acetate	4.613	43	1621706	9.116	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1394838	8.679	ppbv	99
25) Ethyl Acetate	5.195	43	2810558	9.923	ppbv	99
26) Hexane	5.202	57	1248694	9.864	ppbv	99
27) Carbon Disulfide	4.112	76	1665308	10.974	ppbv	100
28) Methyl tert-Butyl Ether	4.575	73	968890	8.656	ppbv	99
29) Chloroform	5.266	83	2103489	9.758	ppbv	95
30) Cyclohexane	6.587	84	1105620	10.540	ppbv	97
31) cis-1,2-Dichloroethene	5.070	61	1248677	10.133	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	2117629	10.846	ppbv	99
34) 2-Butanone	4.774	43	1521784	8.617	ppbv	99
35) Carbon Tetrachloride	6.484	117	2210591	10.605	ppbv	99
36) Benzene	6.362	78	2710846	10.210	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1600191	10.018	ppbv	99
38) Trichloroethene	7.282	130	1075842	11.156	ppbv	96
39) 1,2-Dichloropropane	7.063	63	1055756	9.941	ppbv	97
40) 1,4-Dioxane	7.279	88	394672	9.439	ppbv	85
41) Tetrahydrofuran	5.542	42	1085631	10.329	ppbv	99
42) Bromodichloromethane	7.240	83	2330561	10.184	ppbv	99
43) Methyl Methacrylate	7.465	69	1125543	10.959	ppbv	100
44) 2,2,4-Trimethylpentane	7.317	57	4441796	10.018	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	590774	8.357	ppbv	99

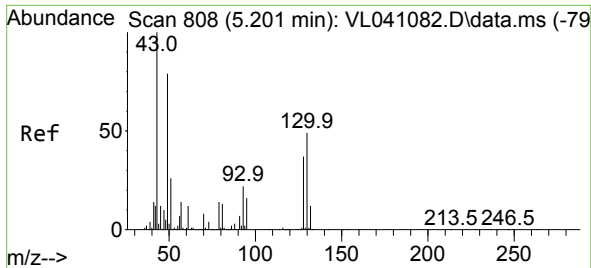
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041104.D
 Acq On : 14 Mar 2024 11:37
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 Sample : VSTDCCC010
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 15 02:45:48 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 : Fri Mar 15 02:44:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	790160	8.900	ppbv	97
47) 1,1,2-Trichloroethane	8.890	97	1148342	10.137	ppbv	97
48) Dibromochloromethane	9.700	129	1977933	10.712	ppbv	100
49) Bromoform	12.401	173	1574752	10.722	ppbv	98
50) 4-Methyl-2-Pentanone	8.169	43	2833253	10.878	ppbv	100
51) 2-Hexanone	9.539	43	2103950	11.027	ppbv #	99
52) Tetrachloroethene	10.610	164	925159	11.235	ppbv	99
53) Toluene	9.211	91	3079509	10.761	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1500163	10.297	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1433079	10.088	ppbv	99
57) Chlorobenzene	11.520	112	2377269	10.157	ppbv	99
58) Ethyl Benzene	12.082	91	4129206	10.622	ppbv	100
59) m/p-Xylene	12.362	91	4106588	12.035	ppbv #	50
60) o-Xylene	13.050	91	3354503	10.354	ppbv	98
61) Styrene	12.889	104	1712945	11.708	ppbv	99
62) Isopropylbenzene	14.021	105	4919313	10.221	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	2533521	10.404	ppbv	99
64) n-propylbenzene	14.905	120	1281502	10.582	ppbv	99
65) tert-Butylbenzene	16.082	119	4368846	10.444	ppbv	99
66) Benzyl Chloride	16.317	91	179169	6.322	ppbv	98
67) sec-Butylbenzene	16.629	105	6170534	10.255	ppbv	100
69) p-Isopropyltoluene	16.986	119	4991893	10.636	ppbv	100
70) n-Butylbenzene	17.879	91	5406114	10.658	ppbv	100
71) 2-Chlorotoluene	14.793	91	3818678	10.373	ppbv	98
72) 4-Ethyltoluene	15.185	105	3762494	10.548	ppbv	97
73) 1,3,5-Trimethylbenzene	15.343	105	3357942	10.638	ppbv	100
74) 1,2,4-Trimethylbenzene	16.098	105	3740812	10.376	ppbv	95
75) 1,3-Dichlorobenzene	16.323	146	2137788	10.383	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2069685	9.977	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2092836	10.403	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1244520	8.787	ppbv	100
79) Naphthalene	21.375	128	2910603	13.941	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	595561	17.796	ppbv	96
81) 1,2,4-Trichlorobenzene	21.130	180	1451025	12.069	ppbv	99

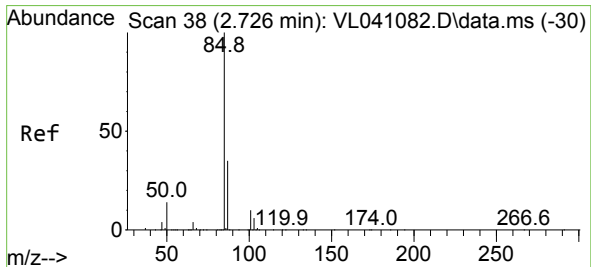
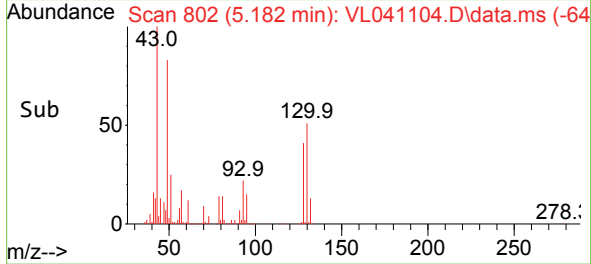
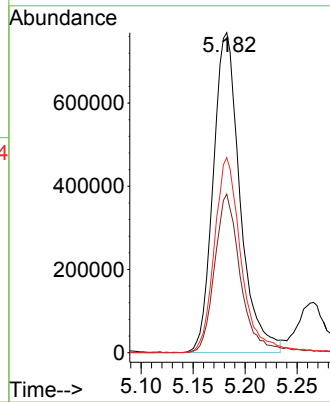
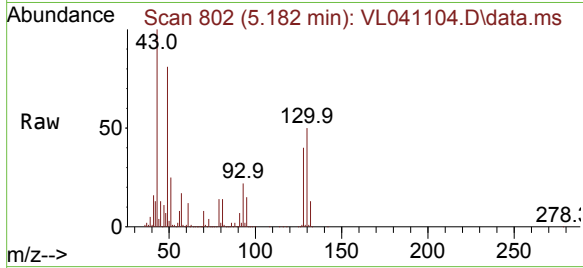
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

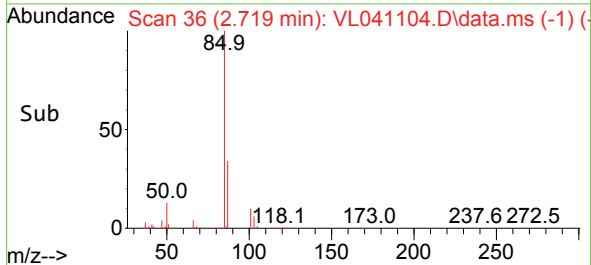
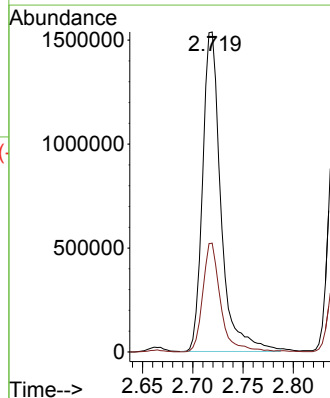
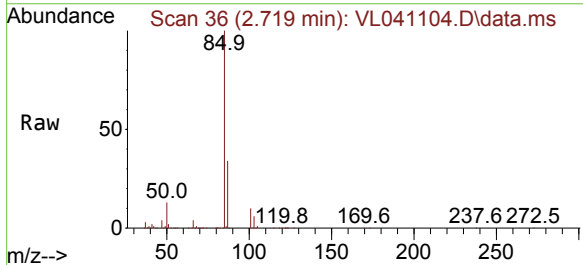
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

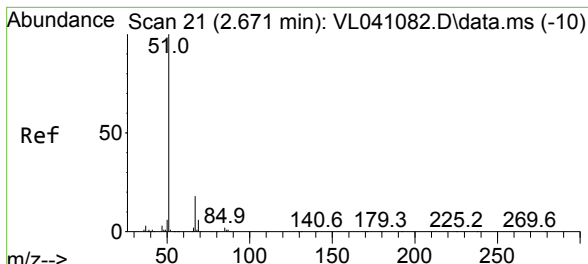
Tgt Ion: 49 Resp: 1379919
Ion Ratio Lower Upper
49 100
128 48.7 23.8 71.5
130 62.3 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 7.433 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 85 Resp: 1954427
Ion Ratio Lower Upper
85 100
87 34.0 28.1 42.1

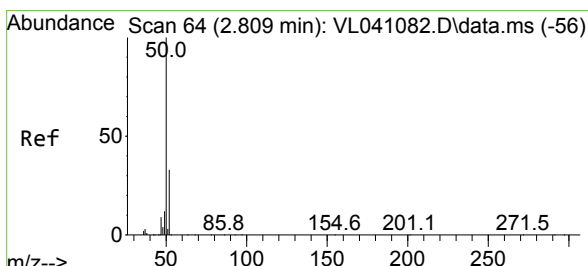
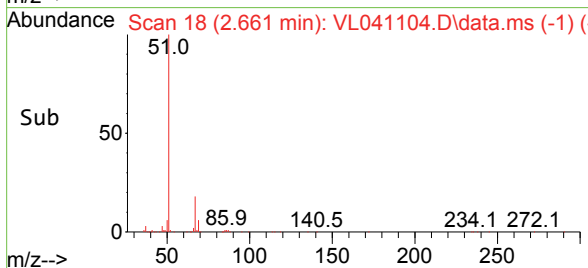
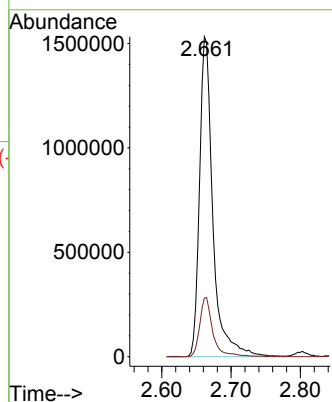
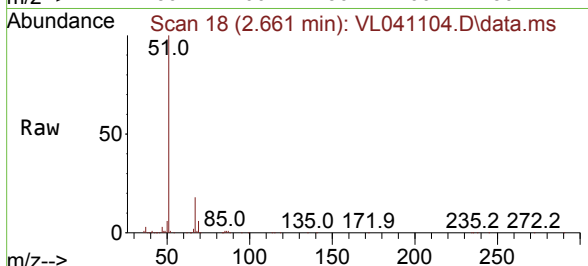




#3
 Chlorodifluoromethane
 Concen: 10.128 ppbv
 RT: 2.661 min Scan# 18
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

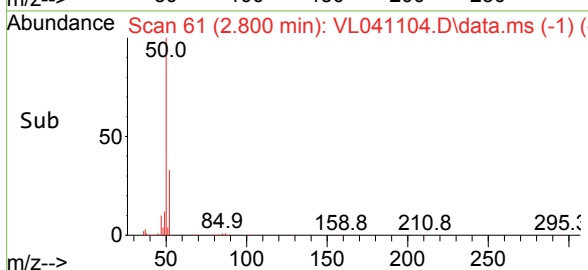
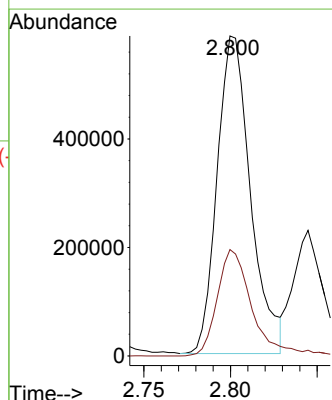
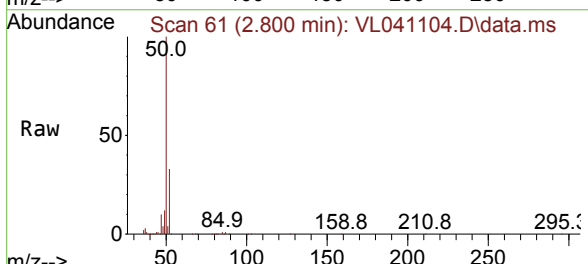
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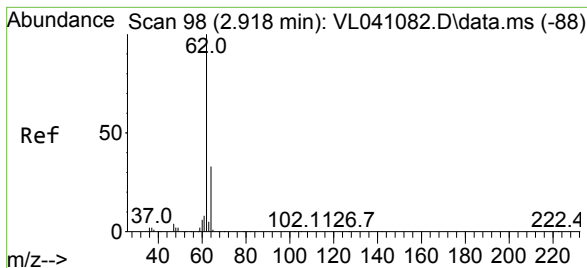
Tgt Ion: 51 Resp: 2052530
 Ion Ratio Lower Upper
 51 100
 67 18.2 14.5 21.7



#4
 Chloromethane
 Concen: 10.263 ppbv
 RT: 2.800 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Tgt Ion: 50 Resp: 787208
 Ion Ratio Lower Upper
 50 100
 52 33.5 26.6 40.0

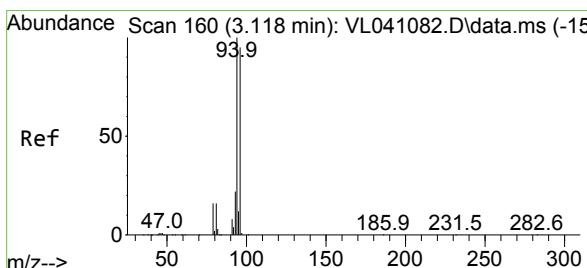
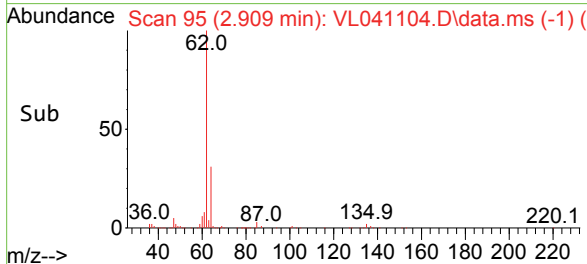
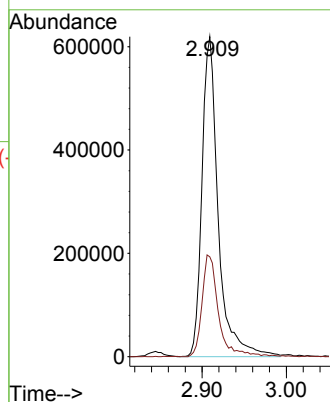
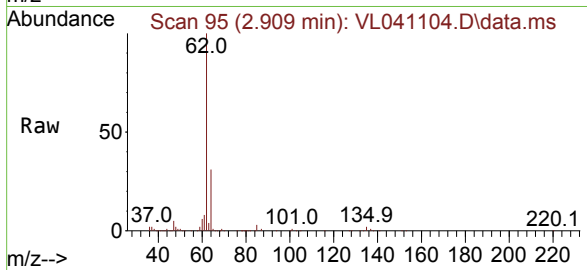




#5
 Vinyl Chloride
 Concen: 10.673 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

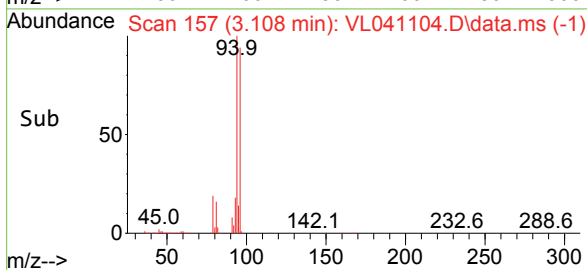
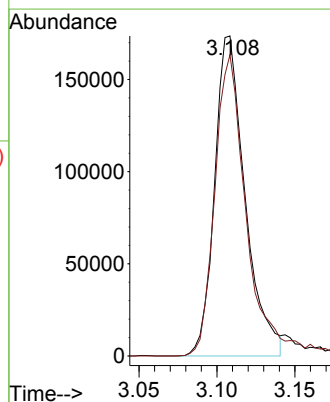
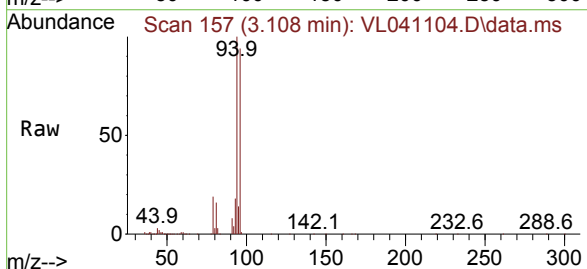
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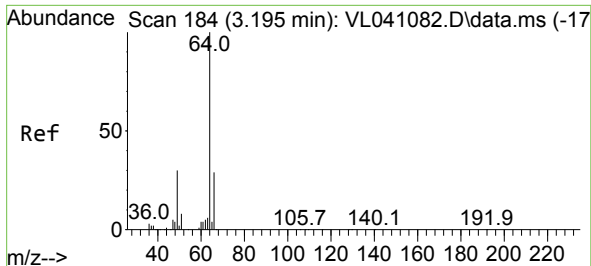
Tgt Ion: 62 Resp: 833040
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.5 39.7



#6
 Bromomethane
 Concen: 7.639 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Tgt Ion: 94 Resp: 236443
 Ion Ratio Lower Upper
 94 100
 96 94.0 76.0 114.0

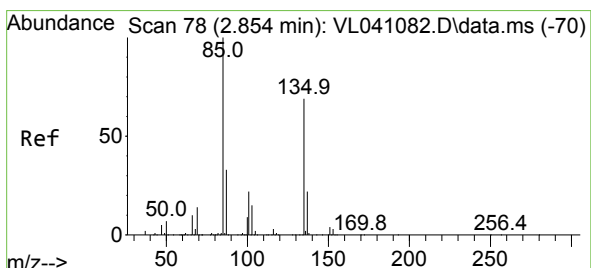
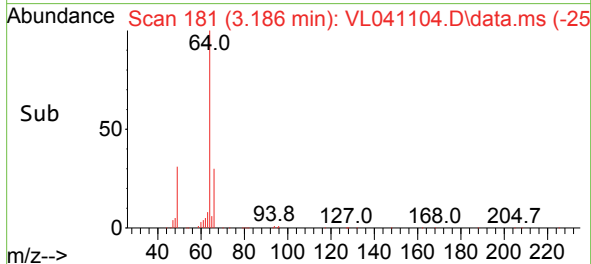
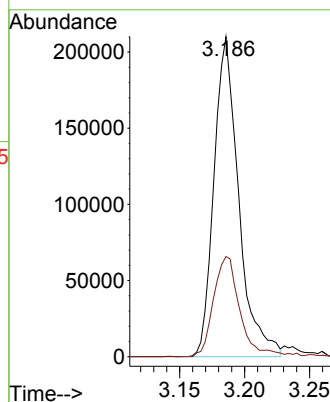
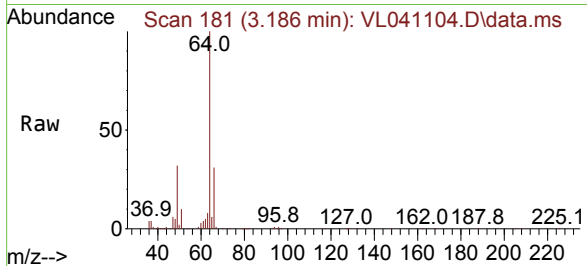




#7
Chloroethane
Concen: 10.243 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

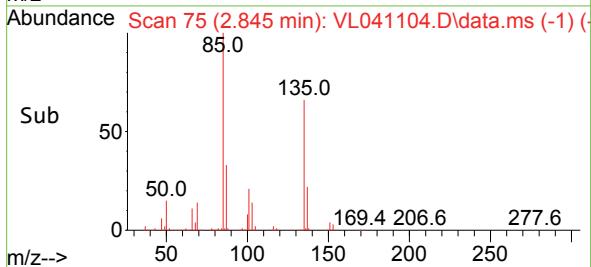
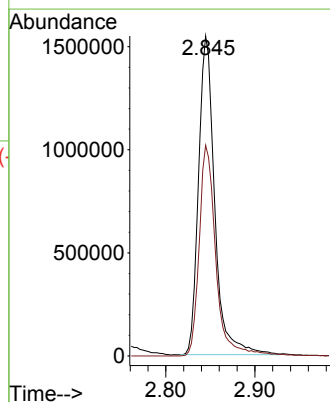
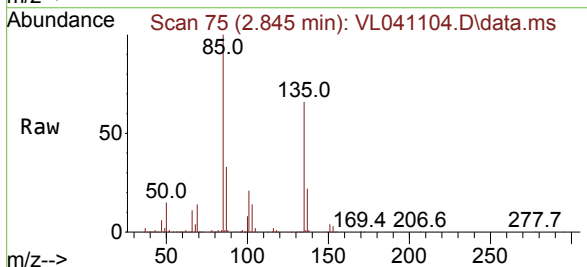
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ClientSampleId :
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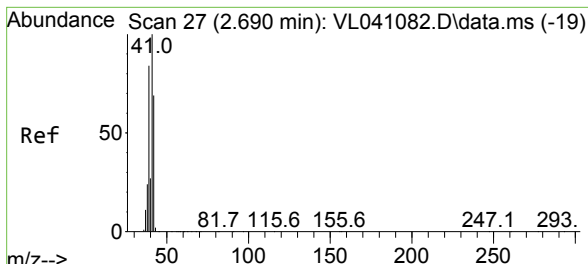
Tgt Ion: 64 Resp: 277627
Ion Ratio Lower Upper
64 100
66 31.3 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 10.247 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 85 Resp: 1956685
Ion Ratio Lower Upper
85 100
135 68.4 56.7 85.1

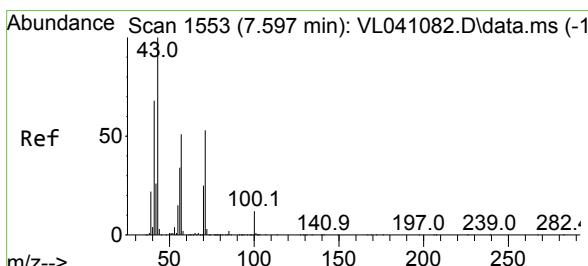
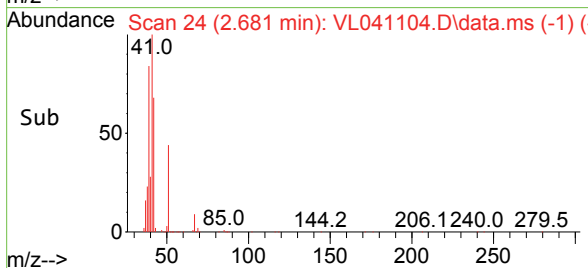
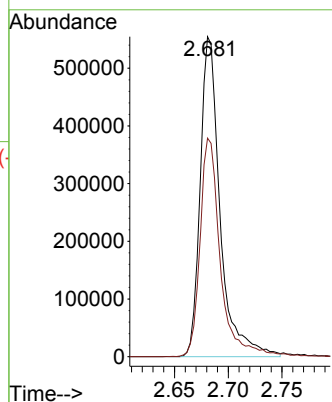
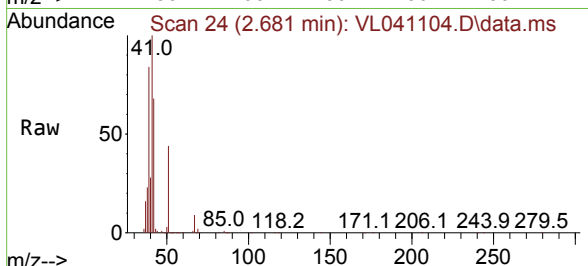




#9
 Propene
 Concen: 10.565 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

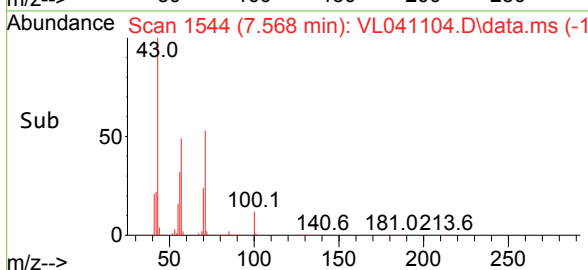
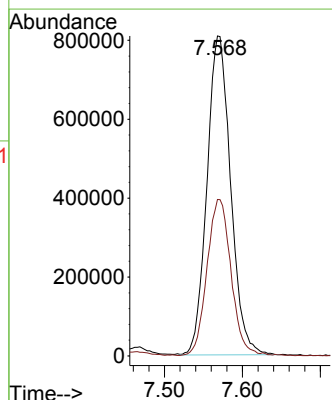
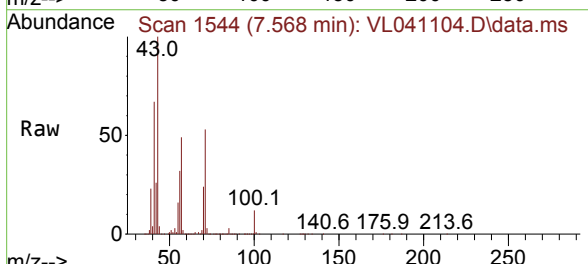
Instrument :
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 ClientSampleId :
 VSTDCCC010

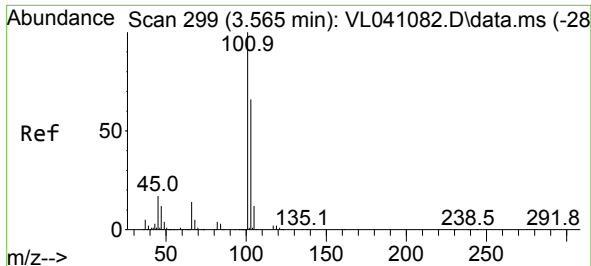
Tgt Ion: 41 Resp: 713081
 Ion Ratio Lower Upper
 41 100
 42 70.3 55.9 83.9



#10
 Heptane
 Concen: 10.568 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Tgt Ion: 43 Resp: 1706676
 Ion Ratio Lower Upper
 43 100
 57 49.9 41.0 61.6

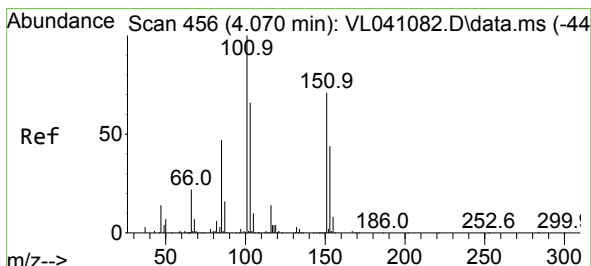
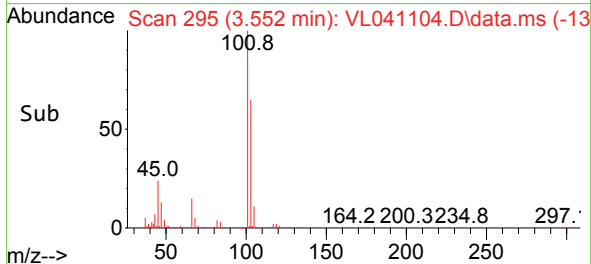
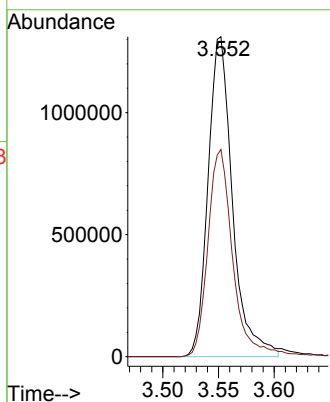
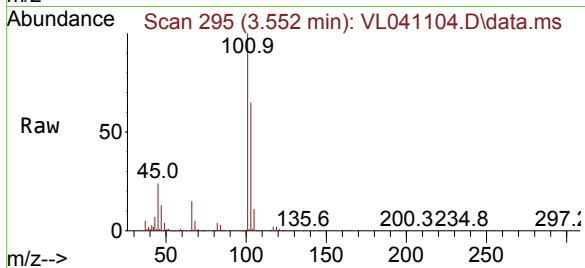




#11
 Trichlorofluoromethane
 Concen: 9.867 ppbv
 RT: 3.552 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

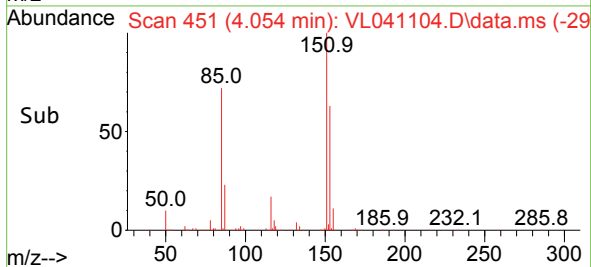
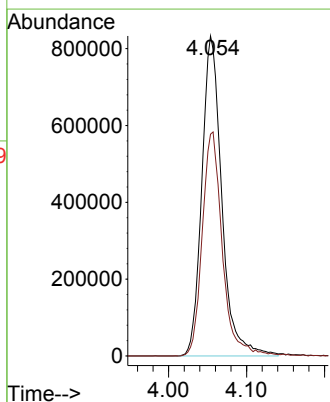
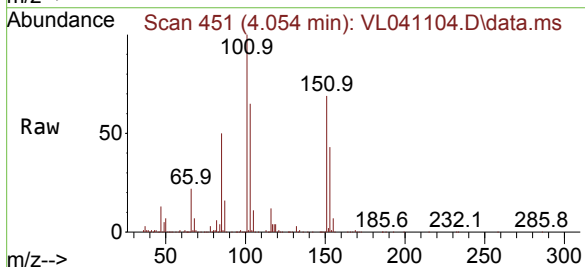
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

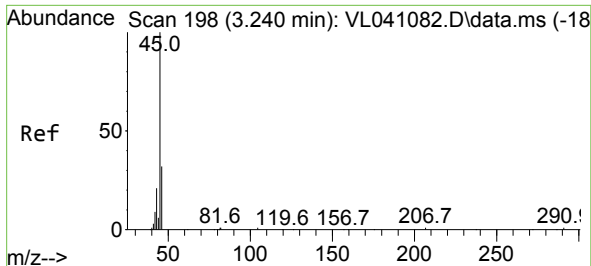
Tgt Ion:101 Resp: 2000559
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.935 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Tgt Ion:101 Resp: 1480992
 Ion Ratio Lower Upper
 101 100
 151 70.7 55.8 83.8

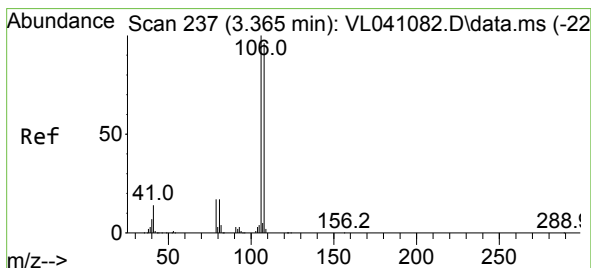
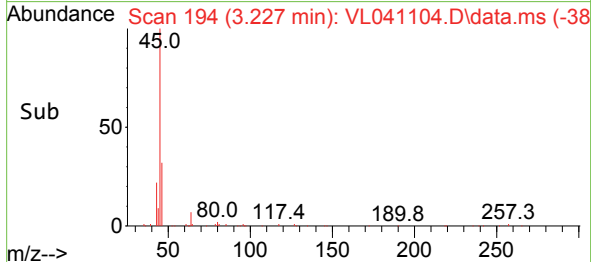
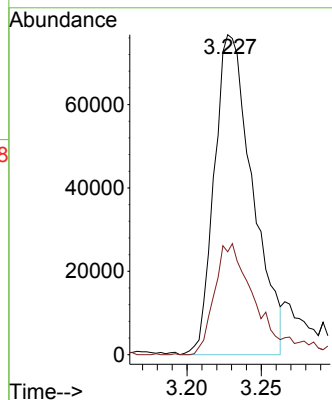
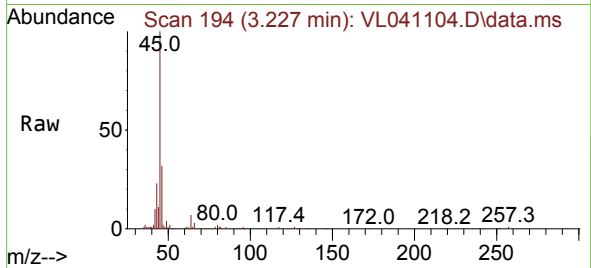




#13
Ethanol
Concen: 7.636 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

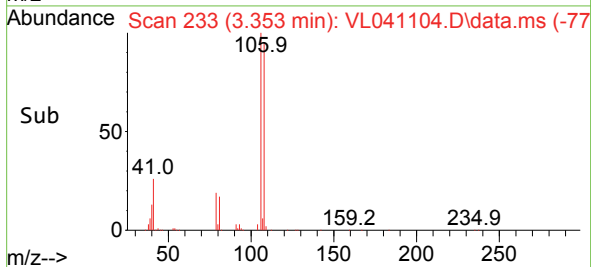
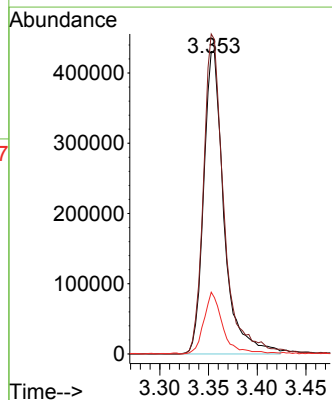
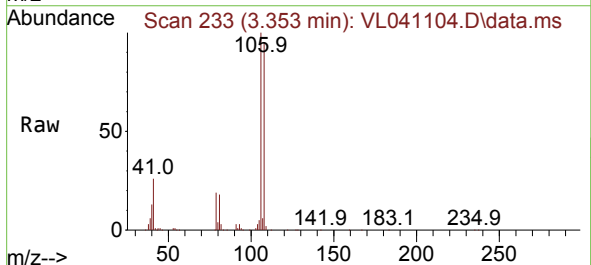
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

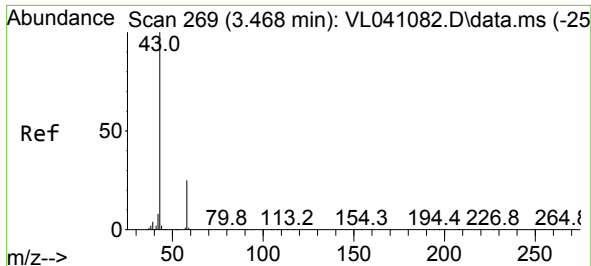
Tgt Ion: 45 Resp: 137339
Ion Ratio Lower Upper
45 100
46 39.5 14.6 58.2



#14
Bromoethene
Concen: 10.745 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 108 Resp: 624548
Ion Ratio Lower Upper
108 100
106 107.2 88.1 132.1
79 19.2 15.6 23.4

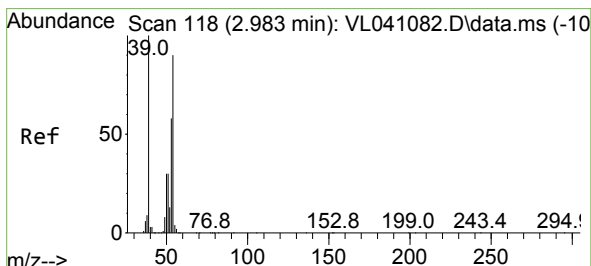
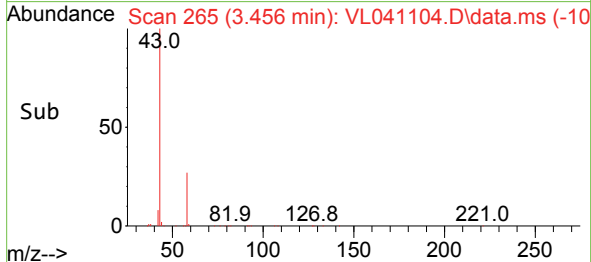
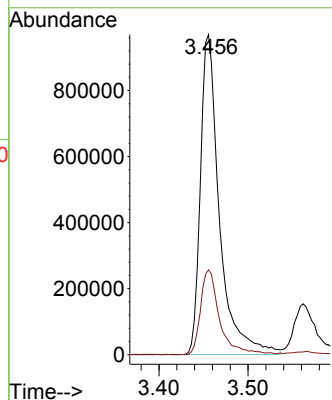
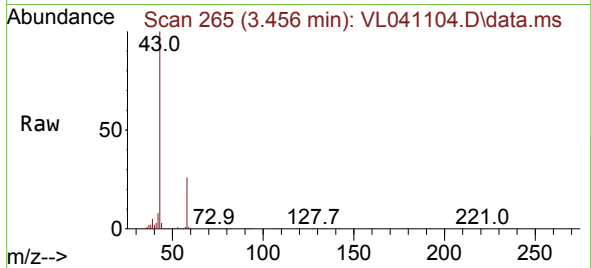




#15
Acetone
Concen: 9.146 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

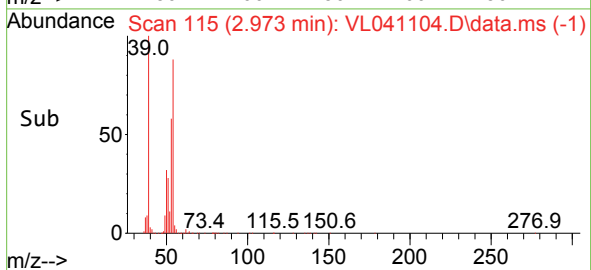
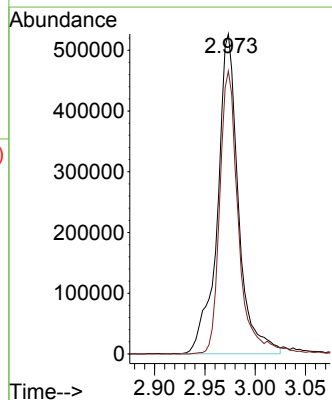
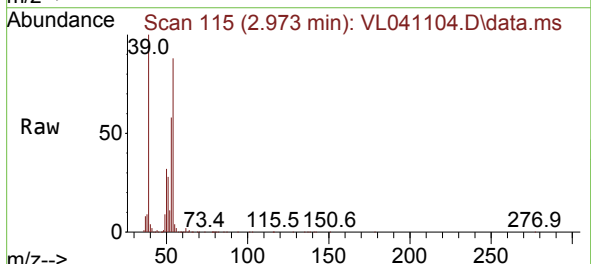
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

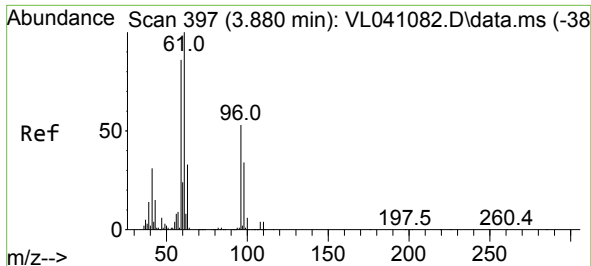
Tgt Ion: 43 Resp: 1437920
Ion Ratio Lower Upper
43 100
58 26.9 21.7 32.5



#16
1,3-Butadiene
Concen: 10.762 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 39 Resp: 767447
Ion Ratio Lower Upper
39 100
54 79.8 64.0 96.0

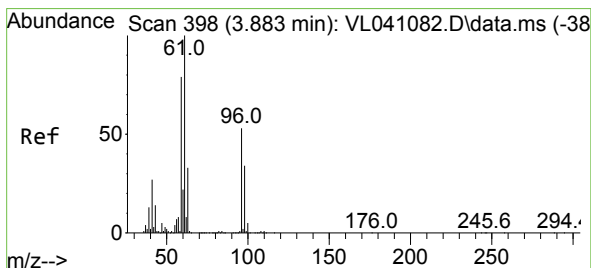
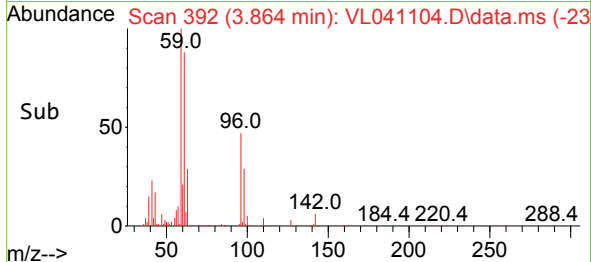
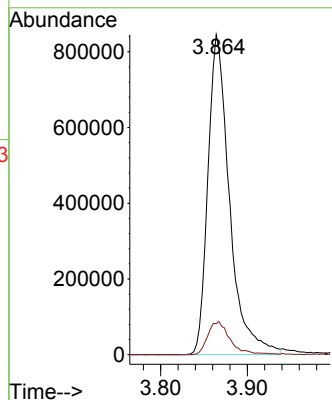
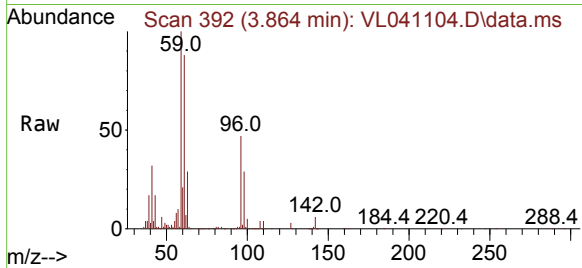




#17
tert-Butyl alcohol
Concen: 12.592 ppbv
RT: 3.864 min Scan# 391
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

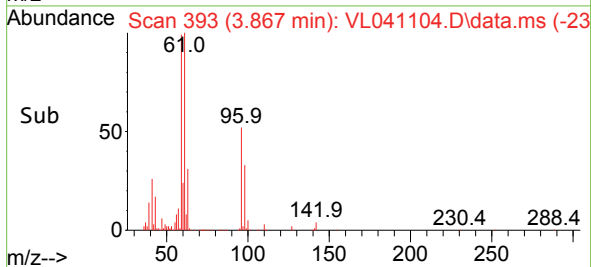
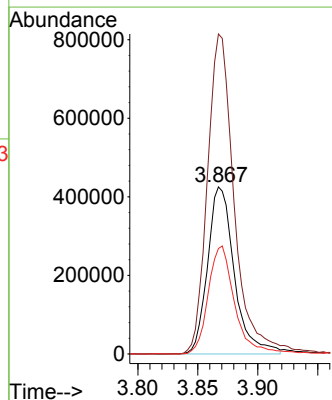
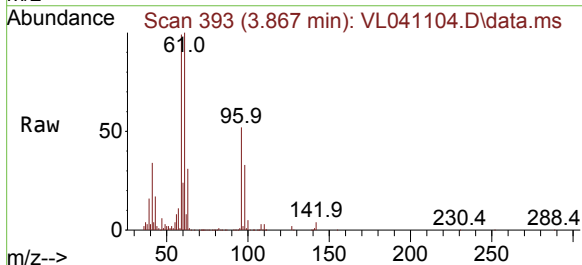
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

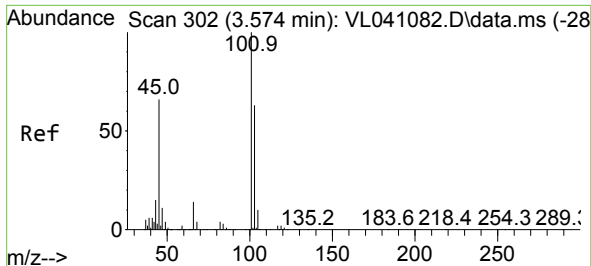
Tgt Ion: 59 Resp: 1465811
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.6



#18
1,1-Dichloroethene
Concen: 10.118 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 96 Resp: 658331
Ion Ratio Lower Upper
96 100
61 191.5 150.2 225.2
98 63.1 50.7 76.1

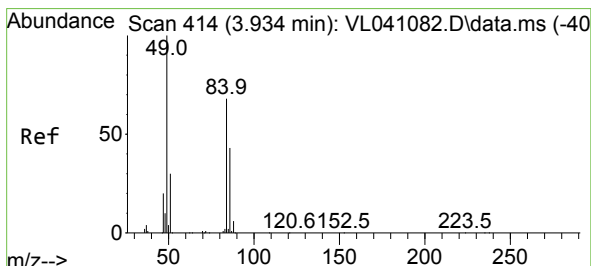
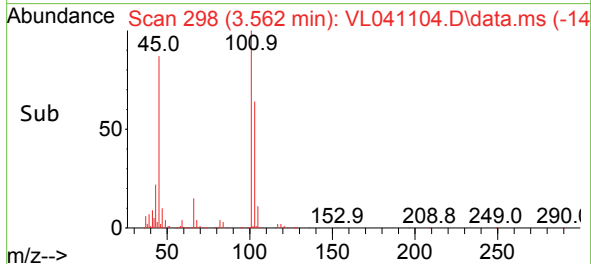
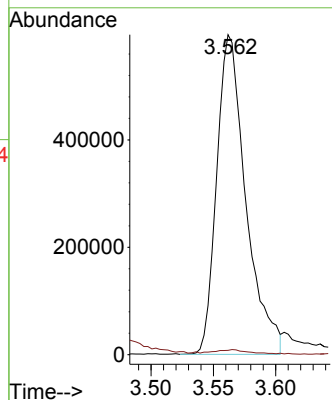
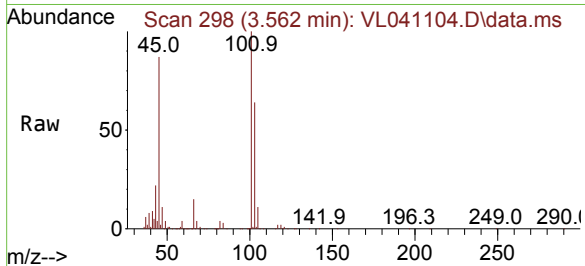




#19
Isopropyl Alcohol
Concen: 11.541 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

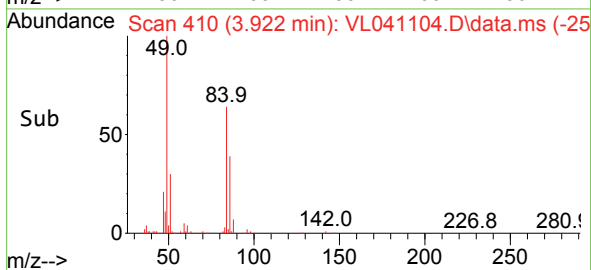
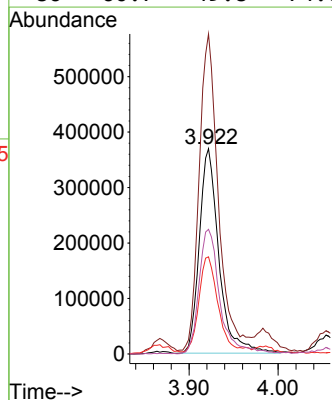
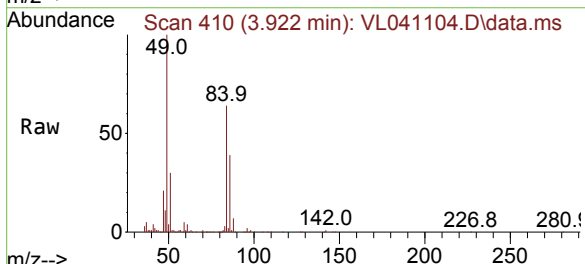
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

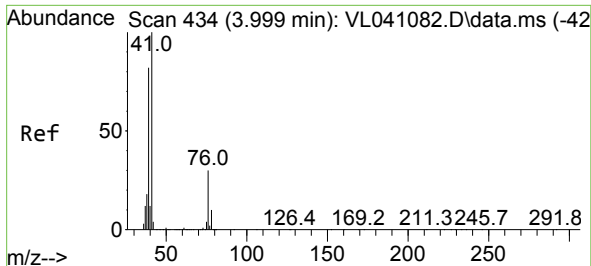
Tgt Ion: 45 Resp: 969181
Ion Ratio Lower Upper
45 100
58 2.3 2.2 3.4



#20
Methylene Chloride
Concen: 9.230 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 84 Resp: 565703
Ion Ratio Lower Upper
84 100
49 154.6 117.0 175.6
51 46.4 34.9 52.3
86 60.7 49.8 74.6





#21

Allyl Chloride

Concen: 10.043 ppbv

RT: 3.986 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

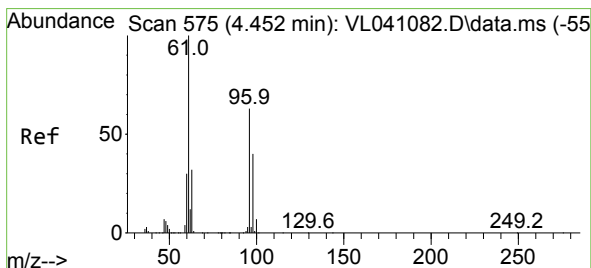
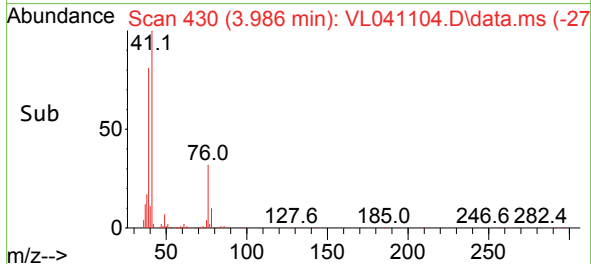
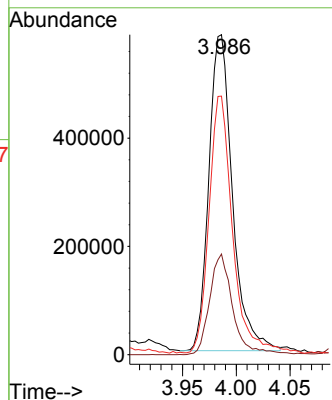
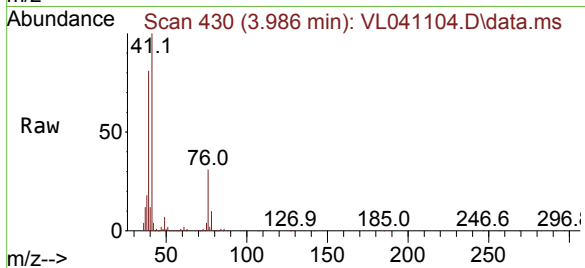
Tgt Ion: 41 Resp: 891752

Ion Ratio Lower Upper

41 100

76 31.4 25.5 38.3

39 82.4 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 9.124 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

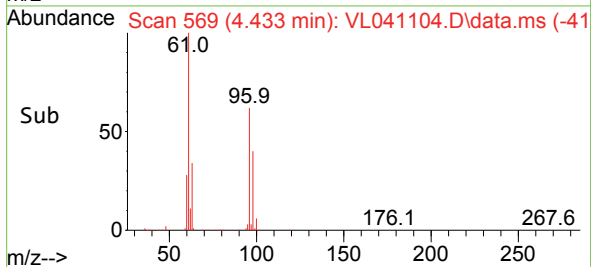
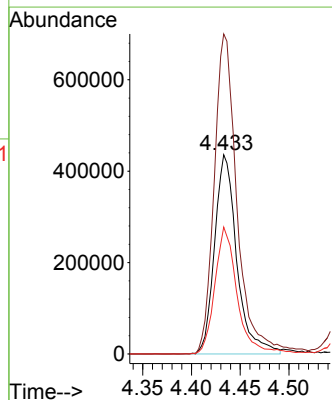
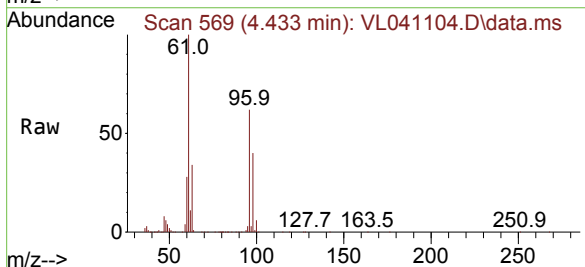
Tgt Ion: 96 Resp: 693036

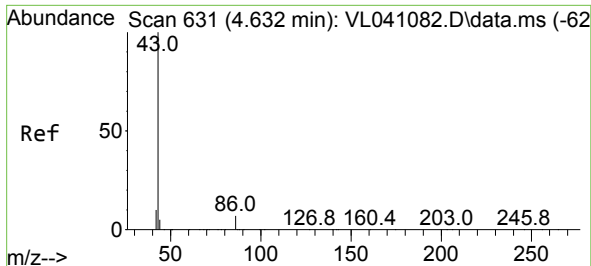
Ion Ratio Lower Upper

96 100

61 160.6 126.7 190.1

98 63.7 50.1 75.1



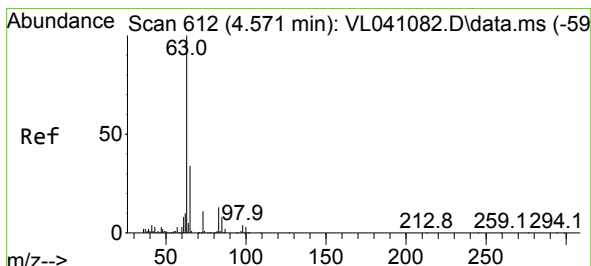
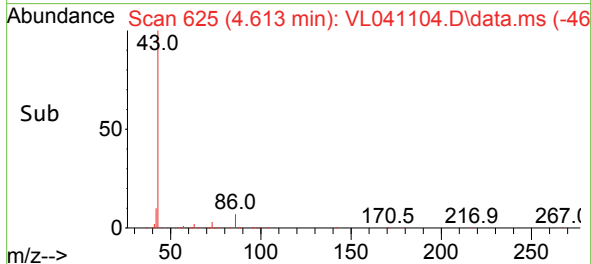
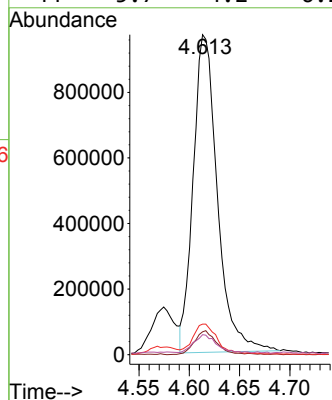
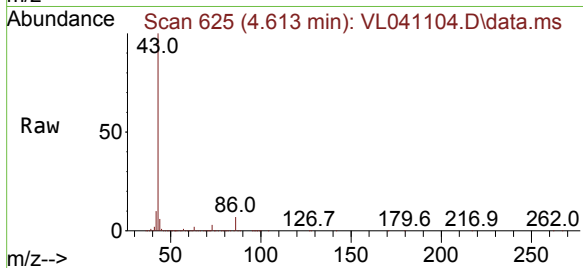


#23
Vinyl Acetate
Concen: 9.116 ppbv
RT: 4.613 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1621706

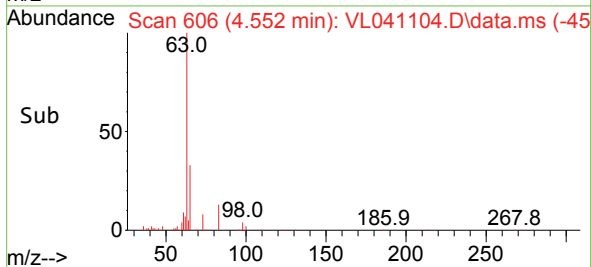
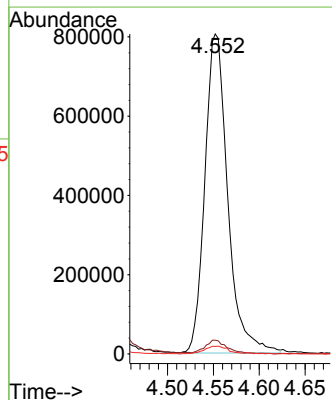
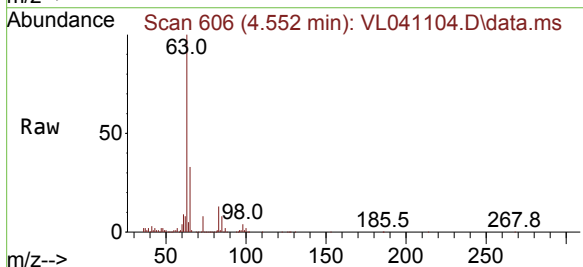
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.4	8.2
42	9.4	8.0	12.0
44	5.7	4.2	6.2

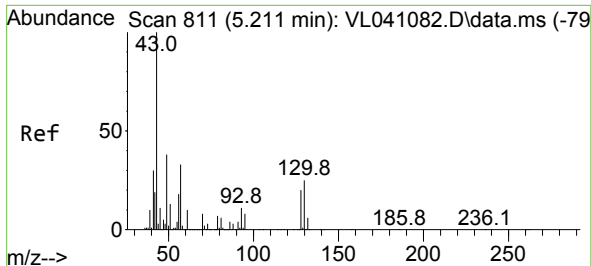


#24
1,1-Dichloroethane
Concen: 8.679 ppbv
RT: 4.552 min Scan# 606
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 63 Resp: 1394838

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.4	1.4	4.2



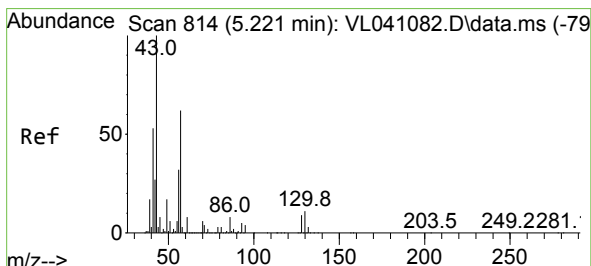
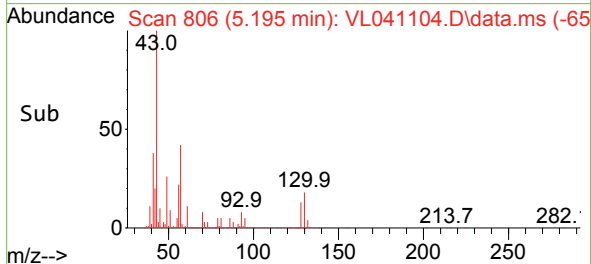
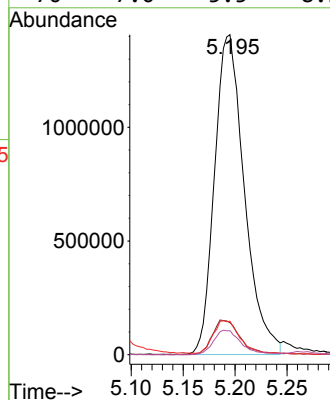
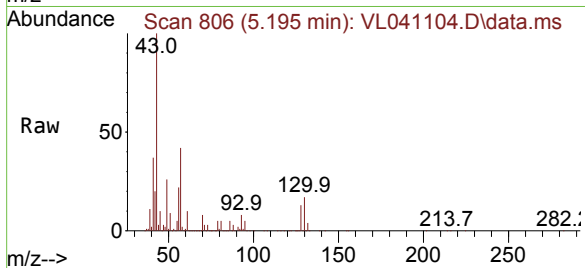


#25
Ethyl Acetate
Concen: 9.923 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2810558

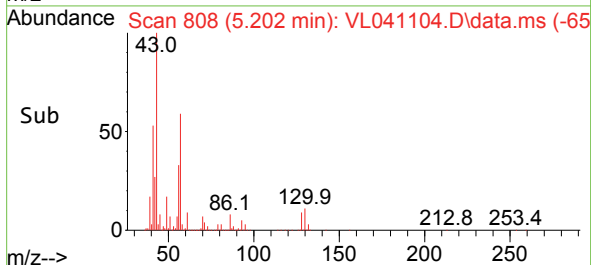
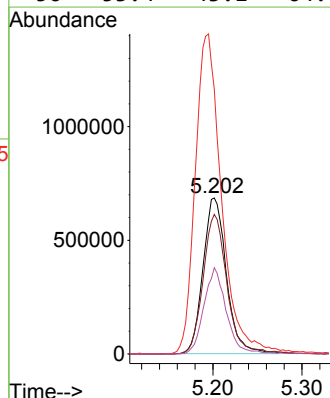
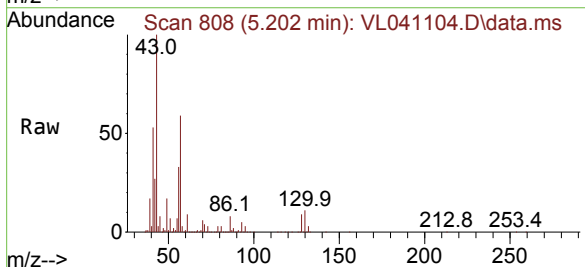
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.2
61	10.0	8.2	12.2
70	7.0	5.5	8.3

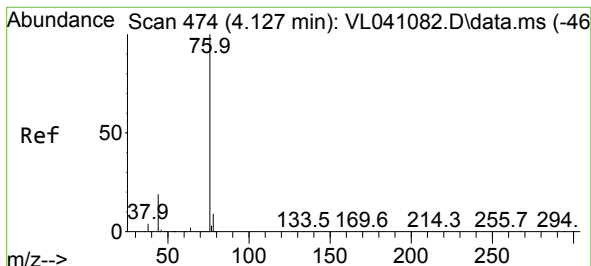


#26
Hexane
Concen: 9.864 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 57 Resp: 1248694

Ion	Ratio	Lower	Upper
57	100		
41	92.3	73.8	110.6
43	232.3	184.2	276.2
56	53.4	43.1	64.7





#27

Carbon Disulfide

Concen: 10.974 ppbv

RT: 4.112 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

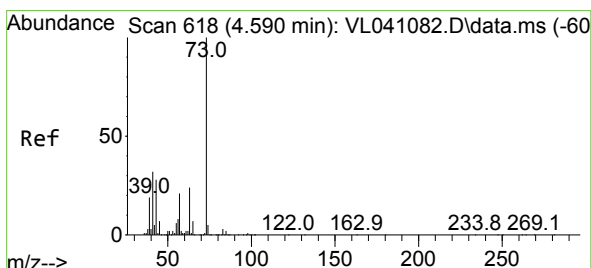
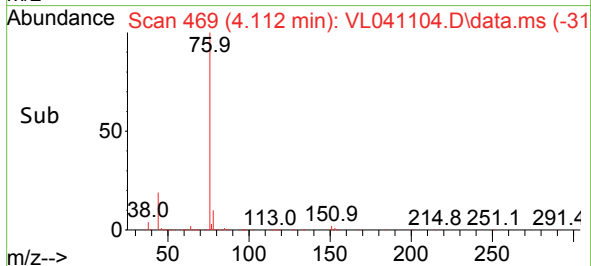
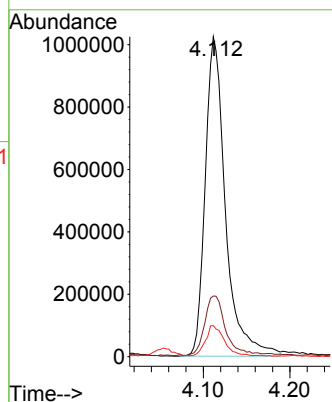
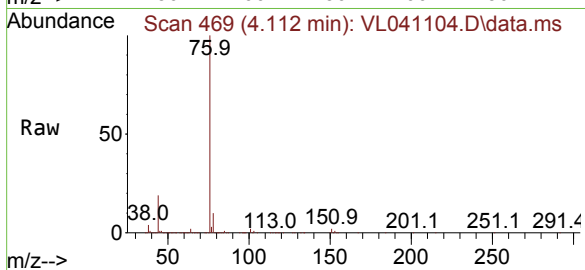
Tgt Ion: 76 Resp: 1665308

Ion Ratio Lower Upper

76 100

44 20.2 16.0 24.0

78 9.7 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 8.656 ppbv

RT: 4.575 min Scan# 613

Delta R.T. 0.000 min

Lab File: VL041104.D

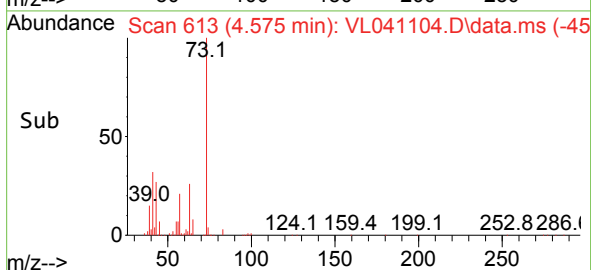
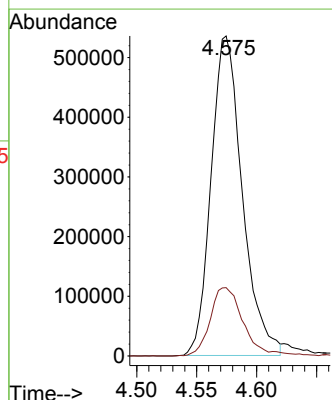
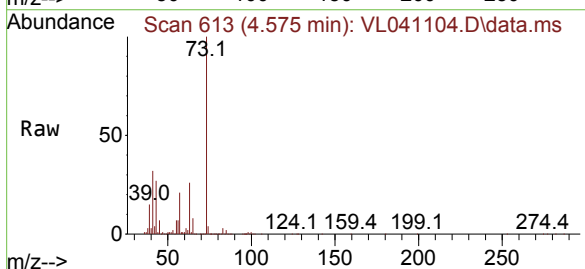
Acq: 14 Mar 2024 11:37

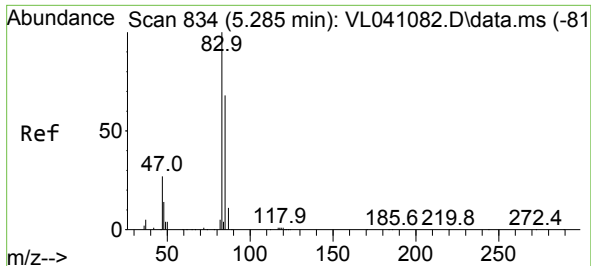
Tgt Ion: 73 Resp: 968890

Ion Ratio Lower Upper

73 100

57 23.2 18.2 27.4





#29

Chloroform

Concen: 9.758 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

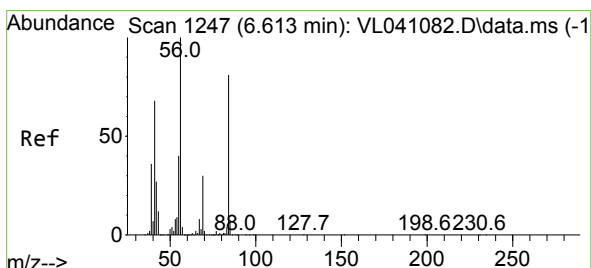
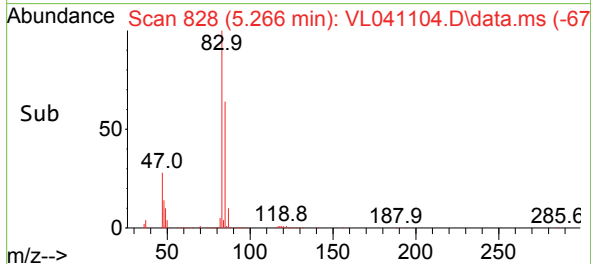
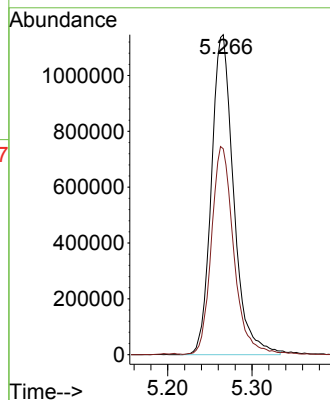
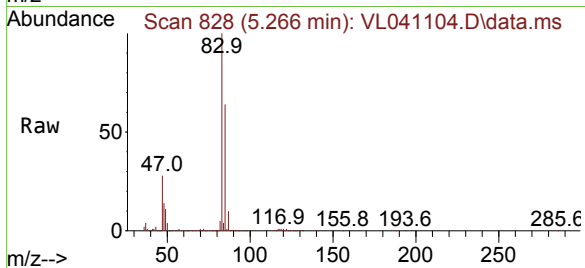
VSTDCCC010

Tgt Ion: 83 Resp: 2103489

Ion Ratio Lower Upper

83 100

85 64.2 54.6 82.0



#30

Cyclohexane

Concen: 10.540 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

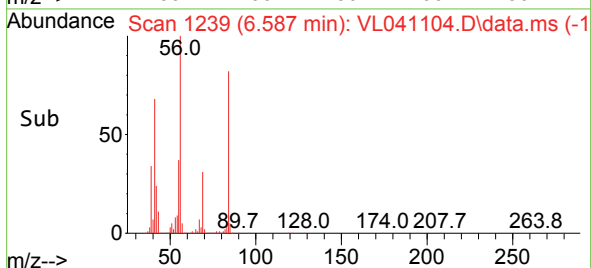
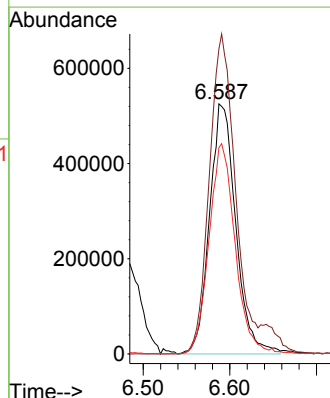
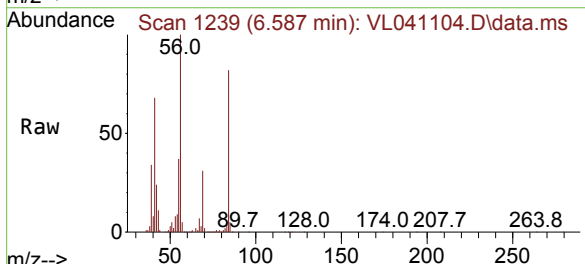
Tgt Ion: 84 Resp: 1105620

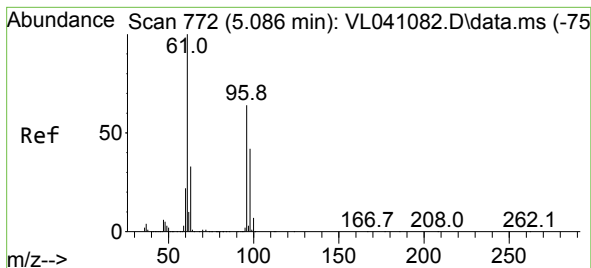
Ion Ratio Lower Upper

84 100

56 135.0 110.4 165.6

41 83.8 70.6 105.8





#31

cis-1,2-Dichloroethene

Concen: 10.133 ppbv

RT: 5.070 min Scan# 7

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

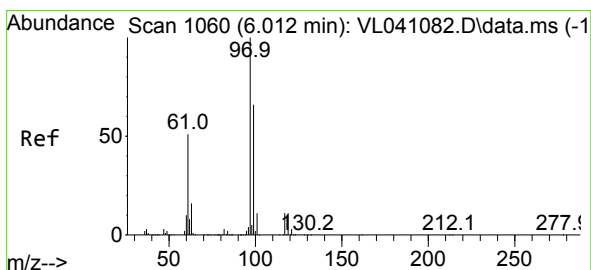
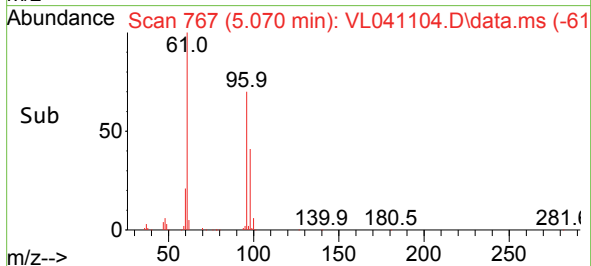
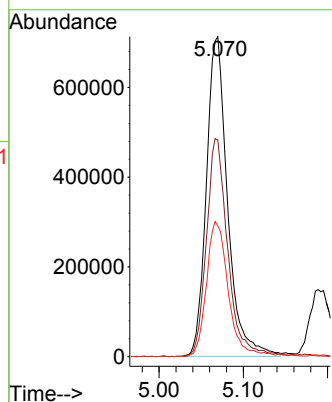
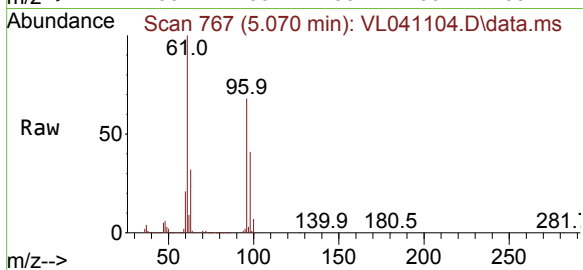
Tgt Ion: 61 Resp: 1248677

Ion Ratio Lower Upper

61 100

96 67.7 51.2 76.8

98 40.9 33.4 50.0



#32

1,1,1-Trichloroethane

Concen: 10.846 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

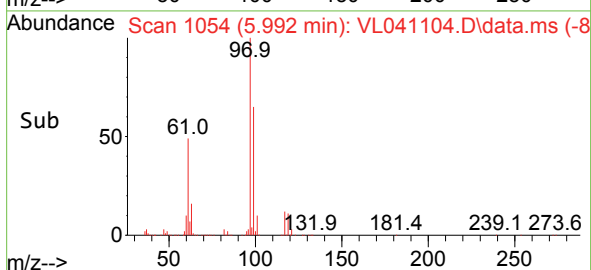
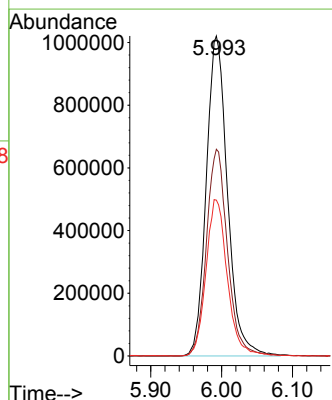
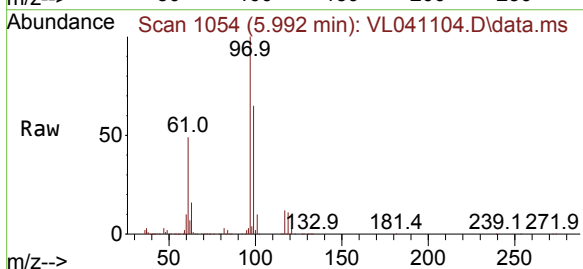
Tgt Ion: 97 Resp: 2117629

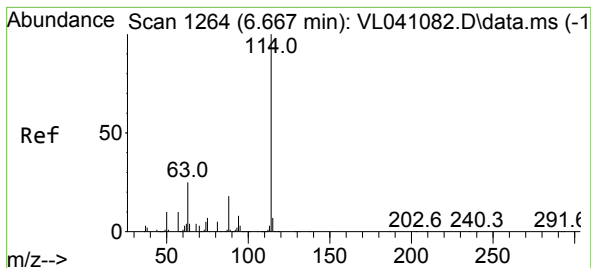
Ion Ratio Lower Upper

97 100

99 64.5 52.4 78.6

61 49.5 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

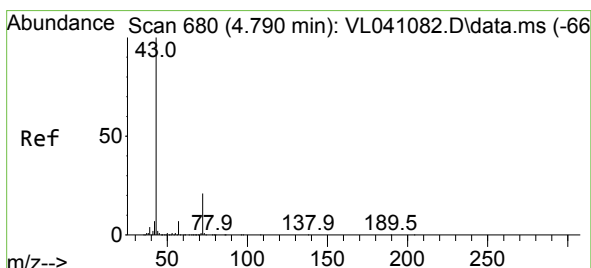
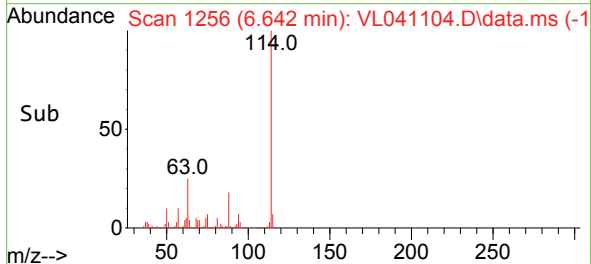
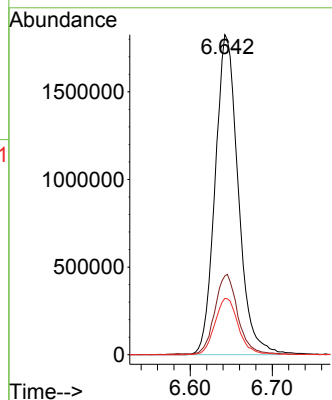
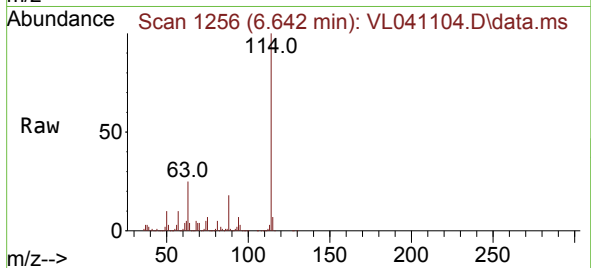
Tgt Ion:114 Resp: 3566833

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 8.617 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.000 min

Lab File: VL041104.D

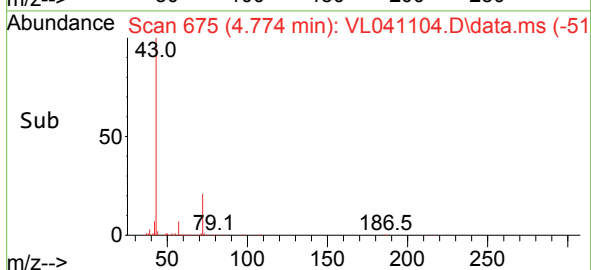
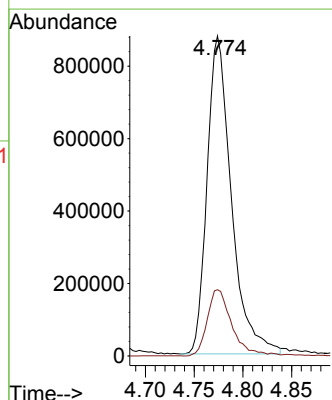
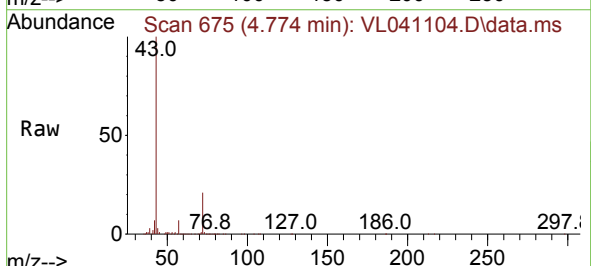
Acq: 14 Mar 2024 11:37

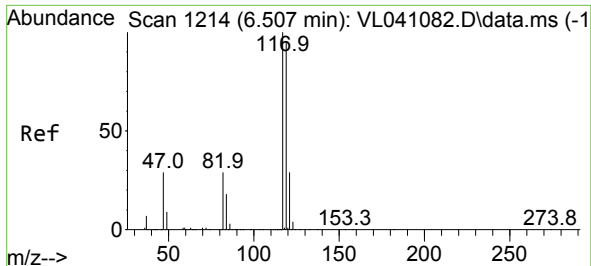
Tgt Ion: 43 Resp: 1521784

Ion Ratio Lower Upper

43 100

72 21.3 17.4 26.0

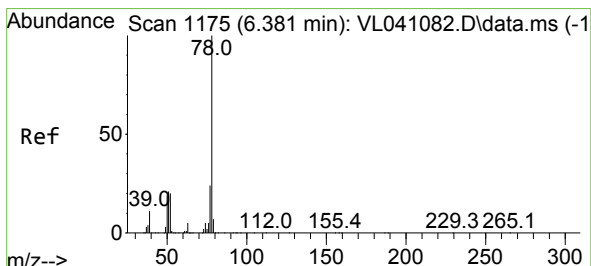
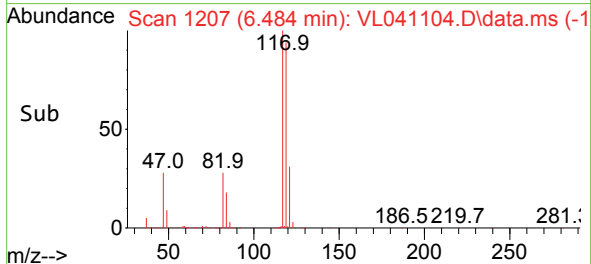
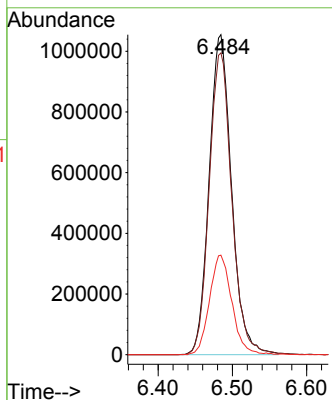
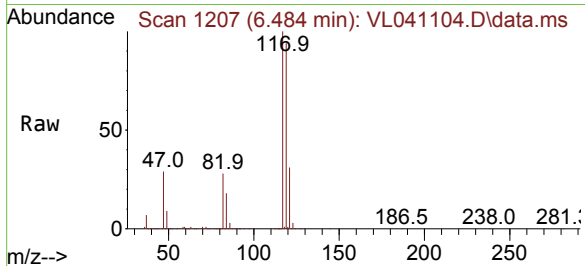




#35
Carbon Tetrachloride
Concen: 10.605 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

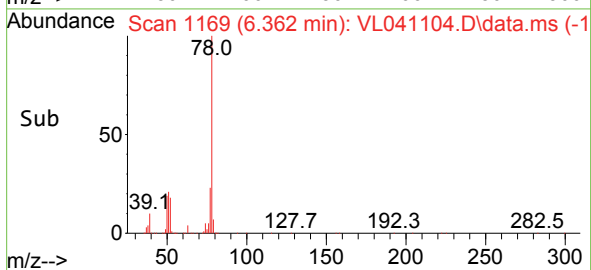
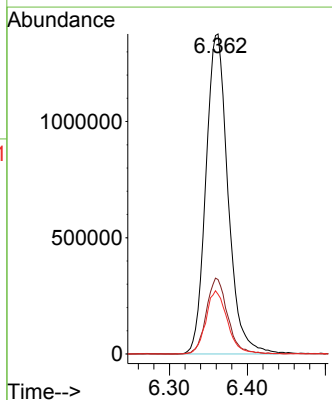
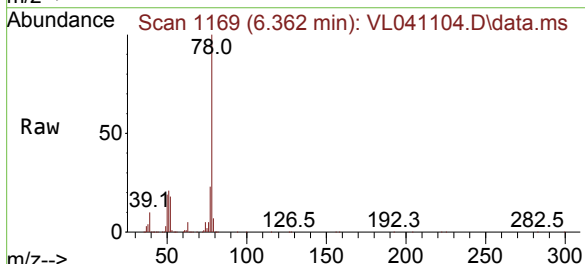
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

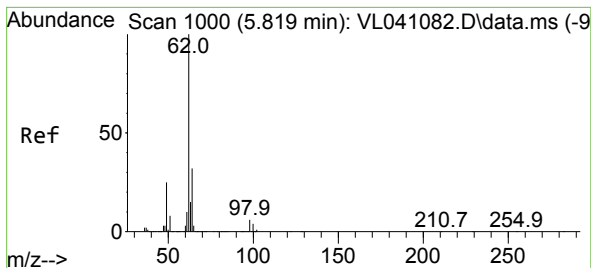
Tgt Ion:117 Resp: 2210591
Ion Ratio Lower Upper
117 100
119 94.3 75.6 113.4
121 31.1 23.4 35.2



#36
Benzene
Concen: 10.210 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 78 Resp: 2710846
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2
50 18.6 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.018 ppbv

RT: 5.796 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

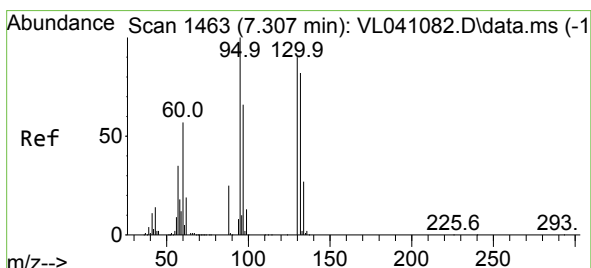
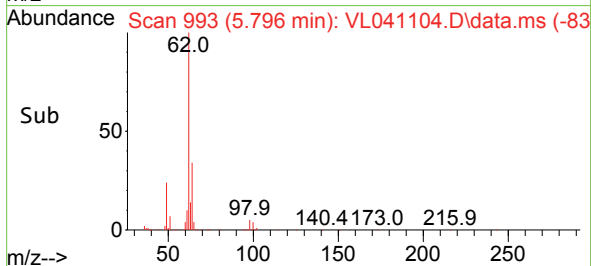
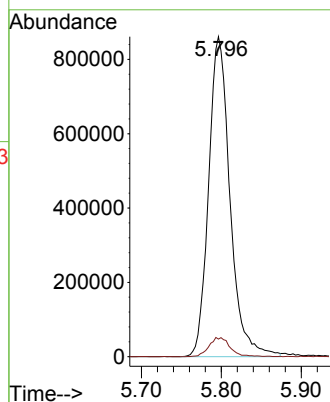
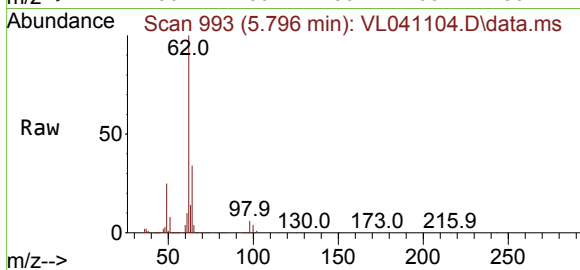
VSTDCCC010

Tgt Ion: 62 Resp: 1600191

Ion Ratio Lower Upper

62 100

98 6.0 4.6 6.8



#38

Trichloroethene

Concen: 11.156 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Tgt Ion:130 Resp: 1075842

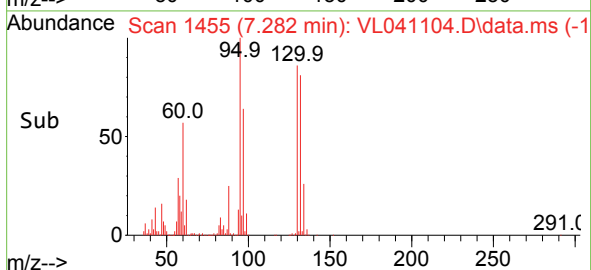
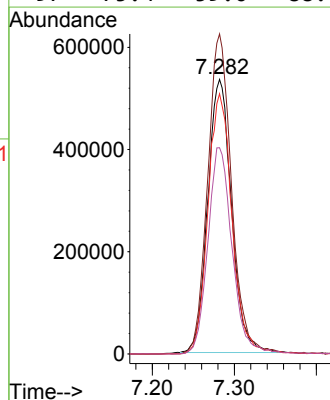
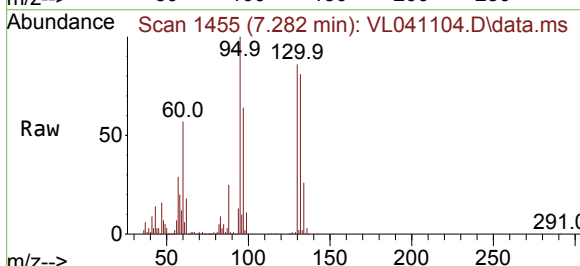
Ion Ratio Lower Upper

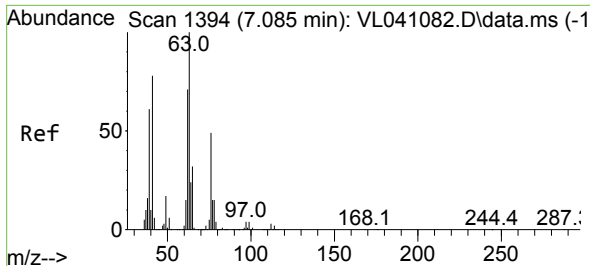
130 100

95 117.0 88.8 133.2

132 95.2 73.0 109.4

97 75.4 59.0 88.4





#39

1,2-Dichloropropane

Concen: 9.941 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

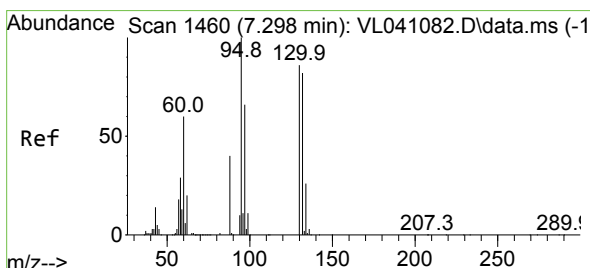
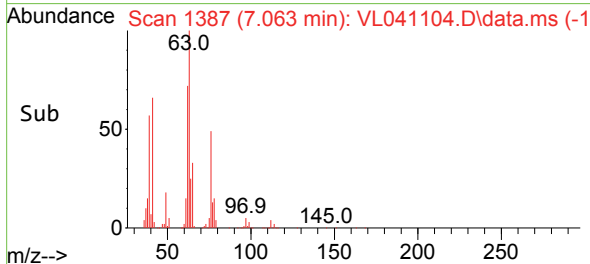
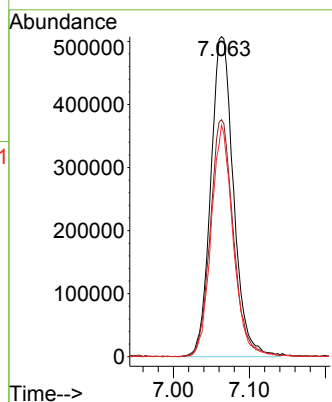
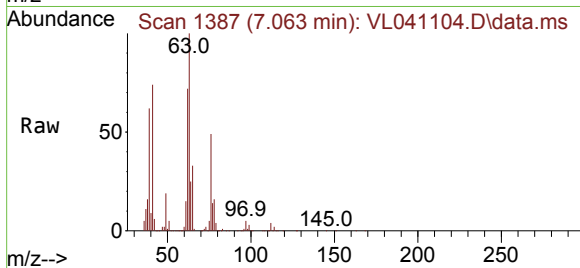
Tgt Ion: 63 Resp: 1055756

Ion Ratio Lower Upper

63 100

41 74.0 62.2 93.4

62 72.2 57.0 85.4



#40

1,4-Dioxane

Concen: 9.439 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Tgt Ion: 88 Resp: 394672

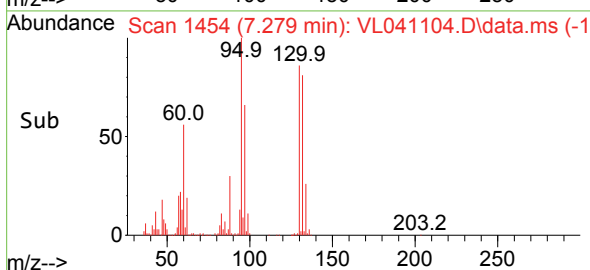
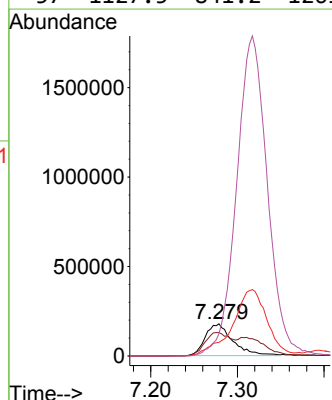
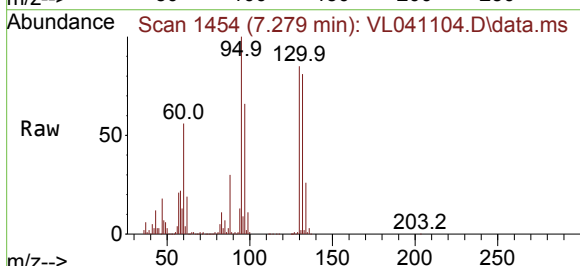
Ion Ratio Lower Upper

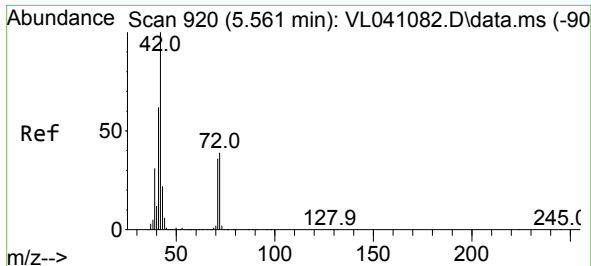
88 100

58 128.5 96.3 144.5

43 263.2 195.7 293.5

57 1127.5 841.2 1261.8

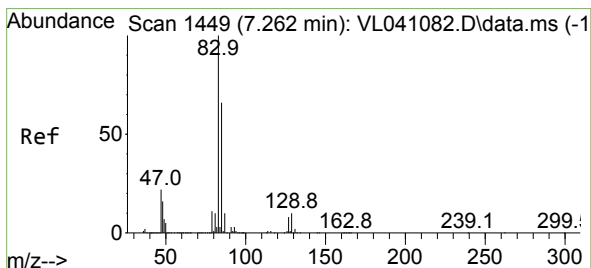
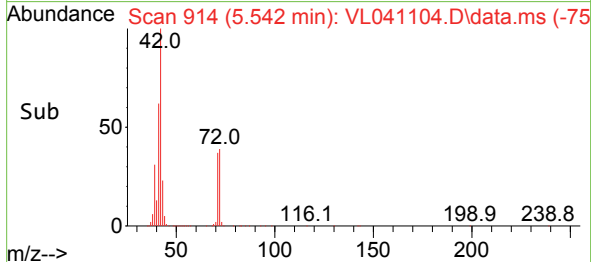
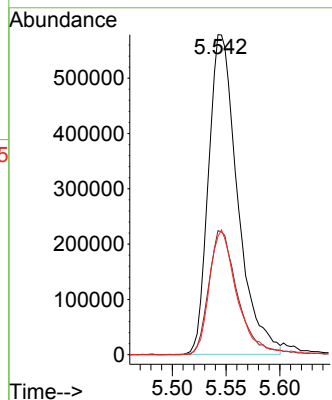
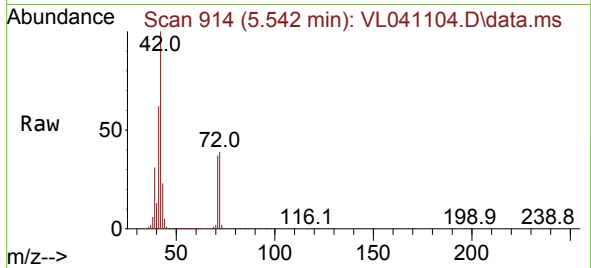




#41
Tetrahydrofuran
Concen: 10.329 ppbv
RT: 5.542 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

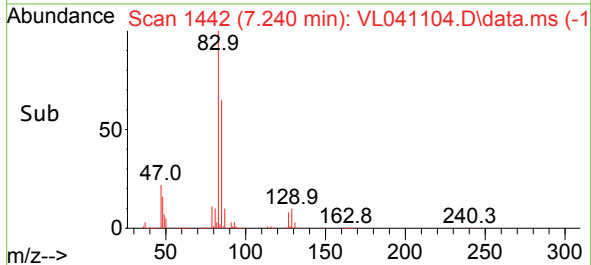
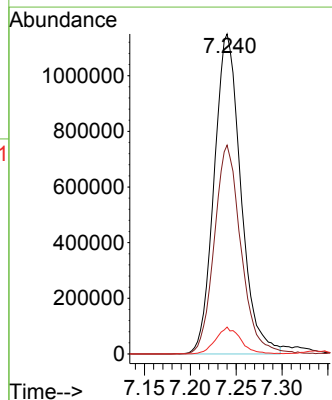
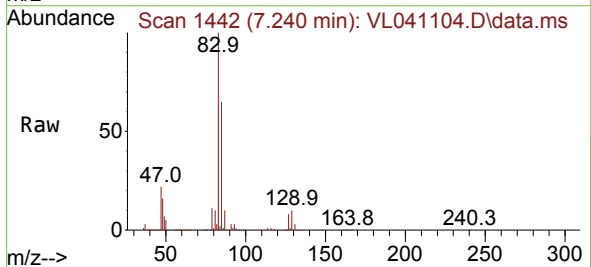
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

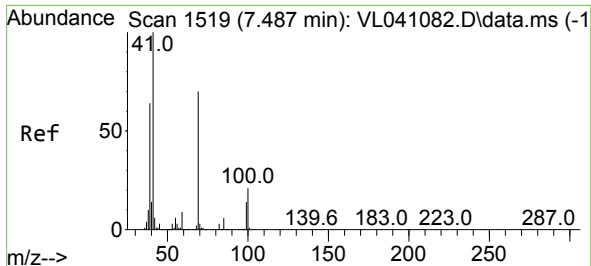
Tgt Ion: 42 Resp: 1085631
Ion Ratio Lower Upper
42 100
72 39.2 30.7 46.1
71 37.9 29.6 44.4



#42
Bromodichloromethane
Concen: 10.184 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 83 Resp: 2330561
Ion Ratio Lower Upper
83 100
85 65.2 53.1 79.7
127 8.4 6.2 9.4

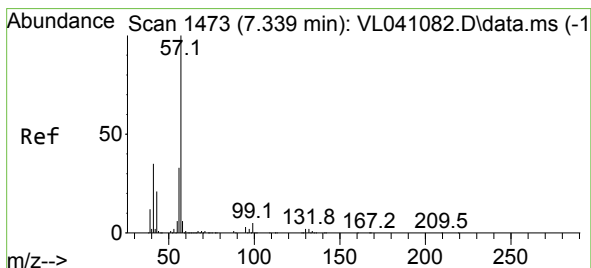
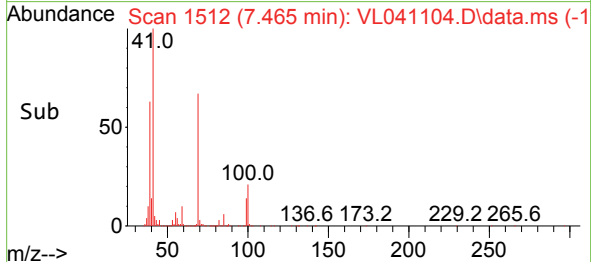
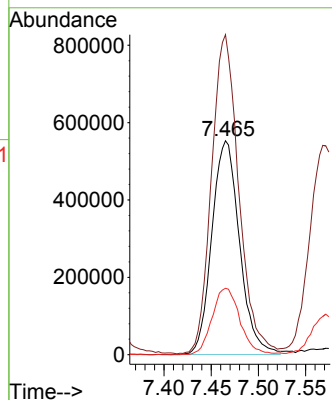
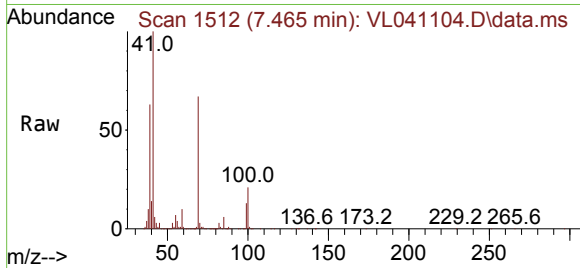




#43
Methyl Methacrylate
Concen: 10.959 ppbv
RT: 7.465 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

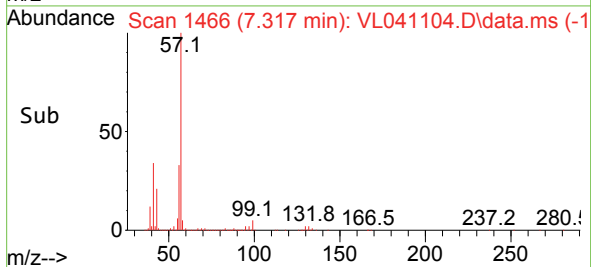
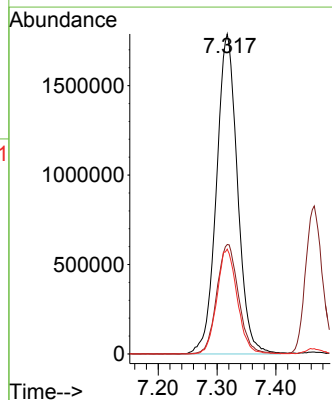
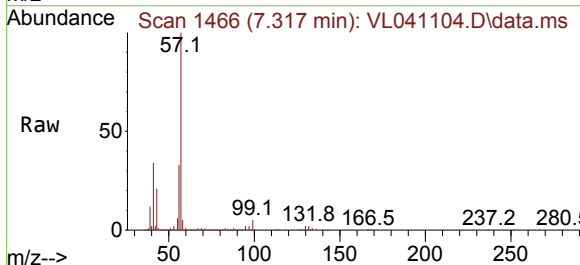
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

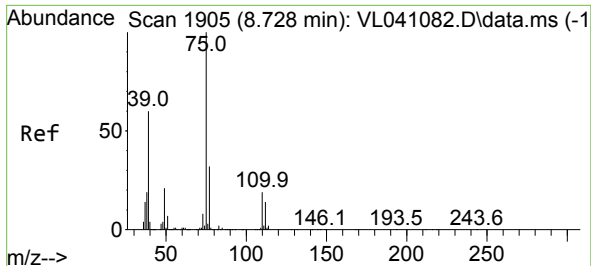
Tgt Ion: 69 Resp: 1125543
Ion Ratio Lower Upper
69 100
41 147.7 118.2 177.4
100 31.2 24.8 37.2



#44
2,2,4-Trimethylpentane
Concen: 10.018 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 57 Resp: 4441796
Ion Ratio Lower Upper
57 100
41 35.6 28.0 42.0
56 31.9 25.7 38.5

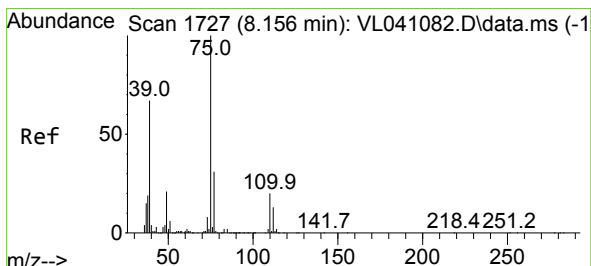
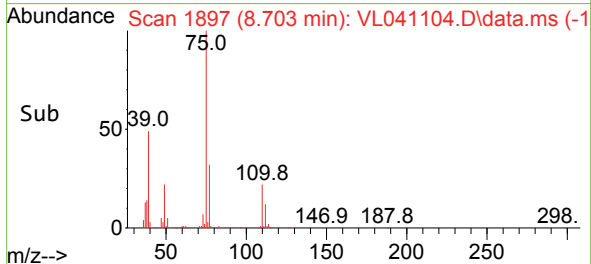
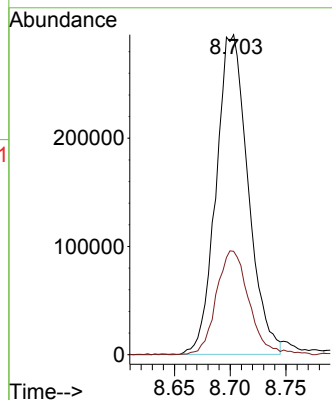
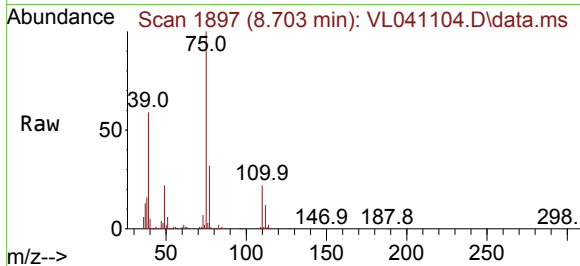




#45
t-1,3-Dichloropropene
Concen: 8.357 ppbv
RT: 8.703 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

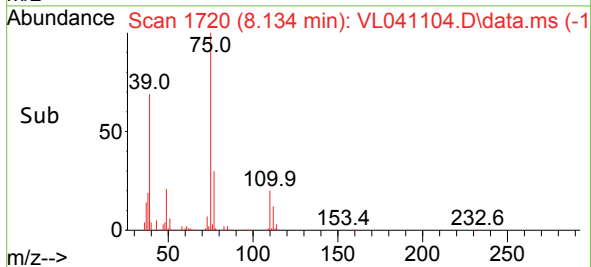
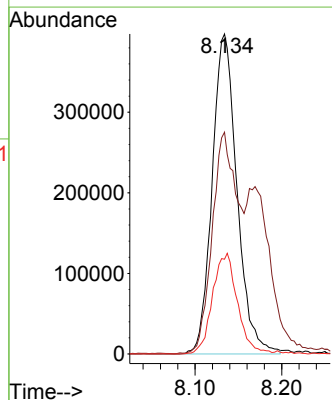
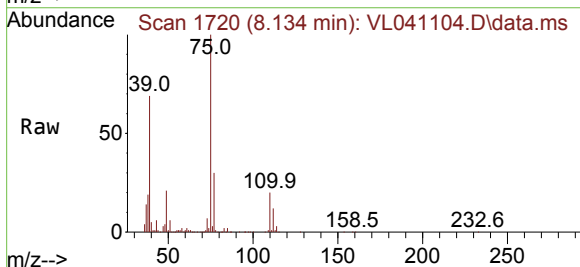
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

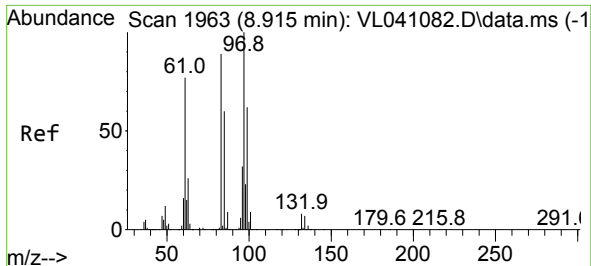
Tgt Ion: 75 Resp: 590774
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 8.900 ppbv
RT: 8.134 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 75 Resp: 790160
Ion Ratio Lower Upper
75 100
39 69.0 53.3 79.9
77 29.6 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.137 ppbv

RT: 8.890 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1148342

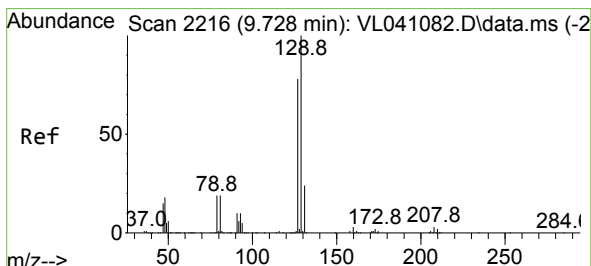
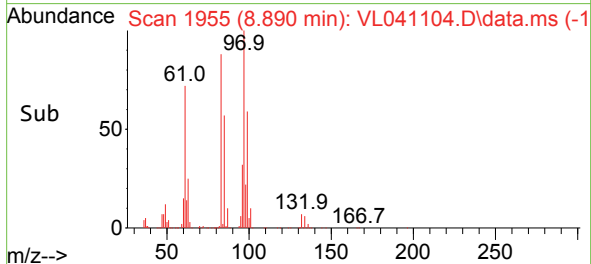
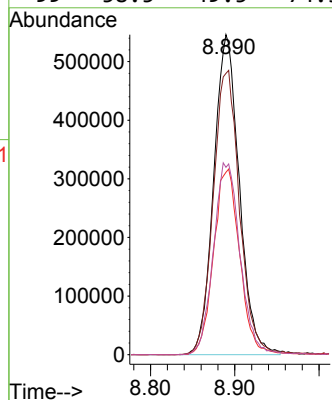
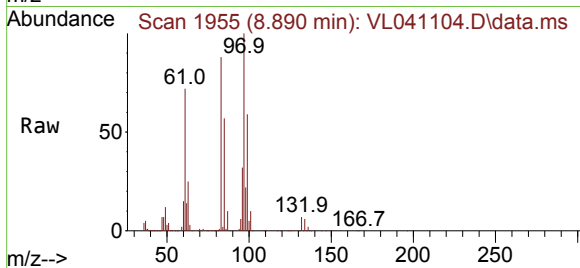
Ion Ratio Lower Upper

97 100

83 87.8 71.1 106.7

85 57.0 48.2 72.2

99 58.5 49.5 74.3



#48

Dibromochloromethane

Concen: 10.712 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VL041104.D

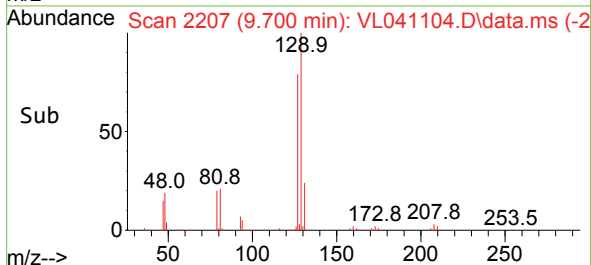
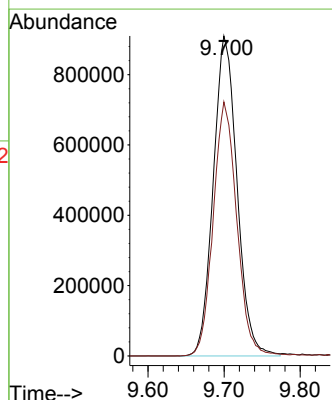
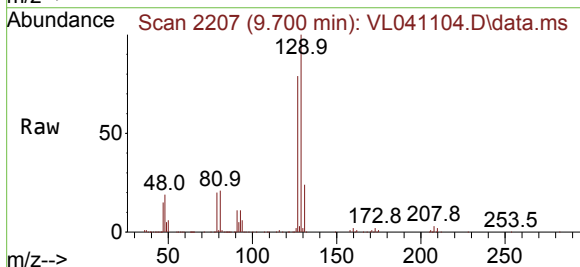
Acq: 14 Mar 2024 11:37

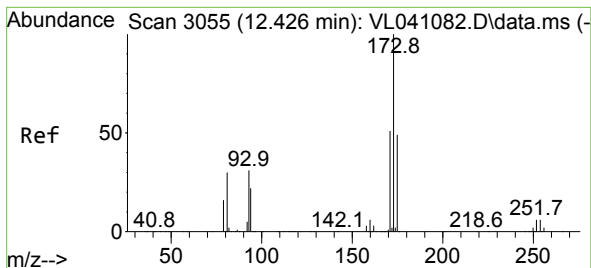
Tgt Ion: 129 Resp: 1977933

Ion Ratio Lower Upper

129 100

127 79.0 39.6 118.8





#49

Bromoform

Concen: 10.722 ppbv

RT: 12.401 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

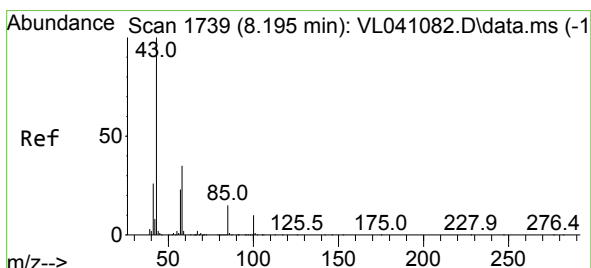
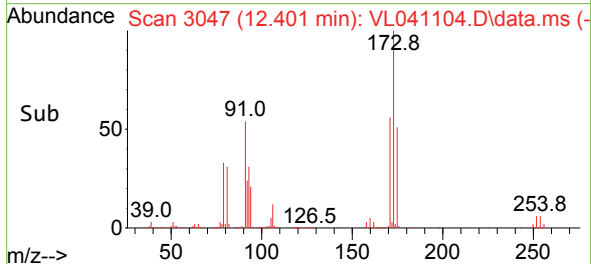
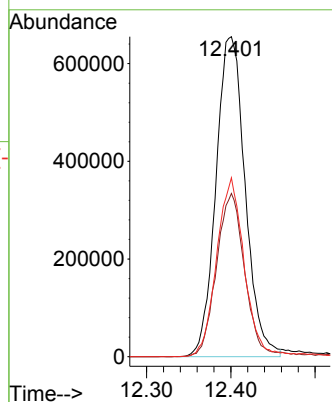
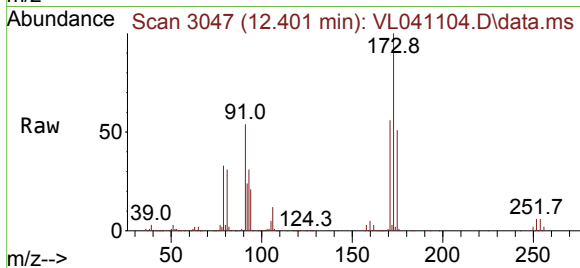
Tgt Ion:173 Resp: 1574752

Ion Ratio Lower Upper

173 100

175 50.3 39.0 58.6

171 53.5 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 10.878 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.000 min

Lab File: VL041104.D

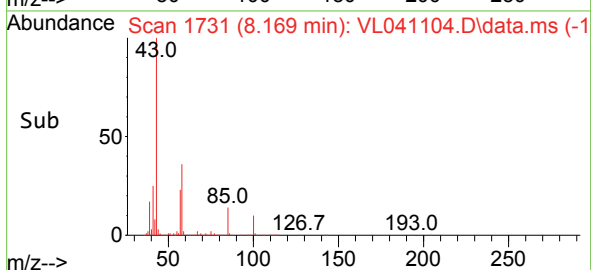
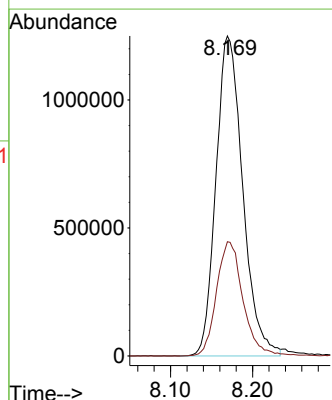
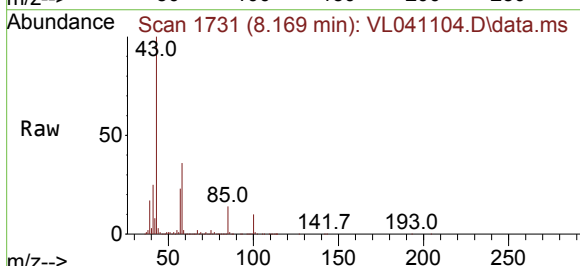
Acq: 14 Mar 2024 11:37

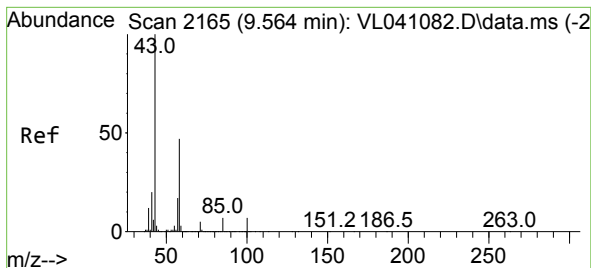
Tgt Ion: 43 Resp: 2833253

Ion Ratio Lower Upper

43 100

58 35.6 28.3 42.5





#51

2-Hexanone

Concen: 11.027 ppbv

RT: 9.539 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

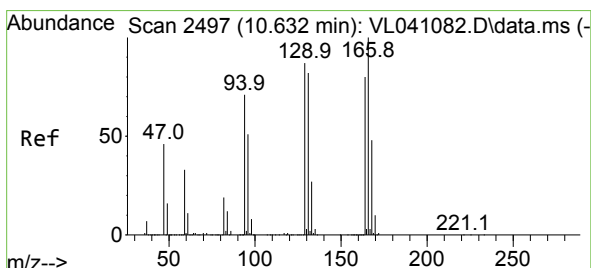
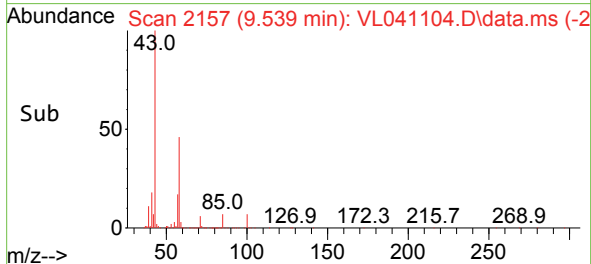
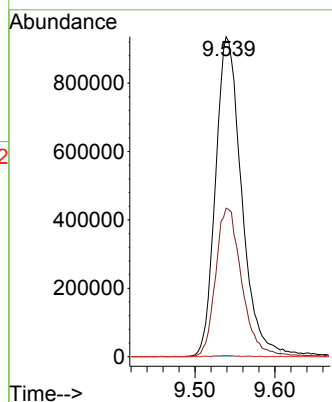
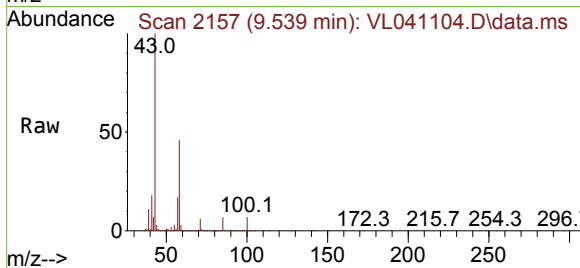
Tgt Ion: 43 Resp: 2103950

Ion Ratio Lower Upper

43 100

58 47.2 37.4 56.2

98 0.4 0.4 0.6#



#52

Tetrachloroethene

Concen: 11.235 ppbv

RT: 10.610 min Scan# 2490

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Tgt Ion:164 Resp: 925159

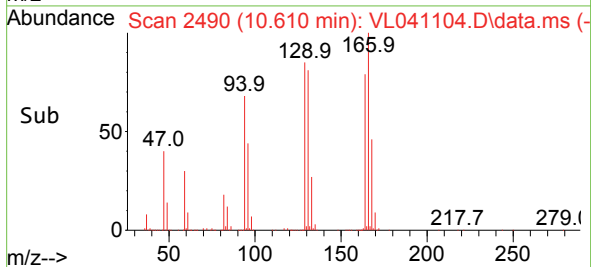
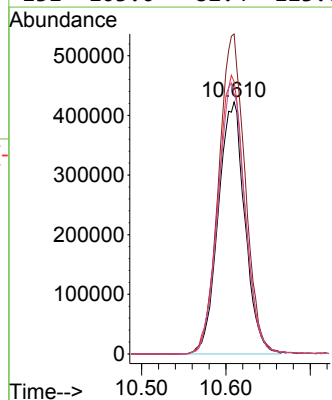
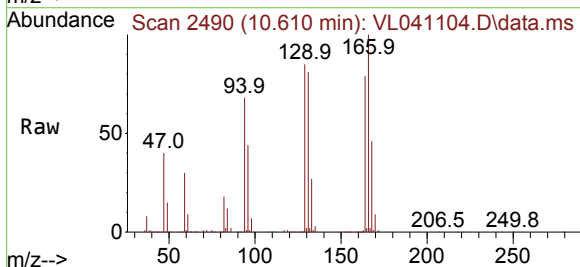
Ion Ratio Lower Upper

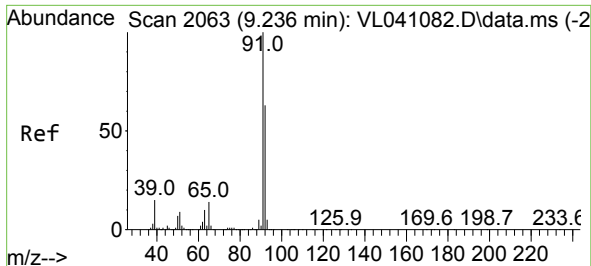
164 100

166 127.0 100.6 150.8

129 107.8 87.2 130.8

131 103.0 82.4 123.6

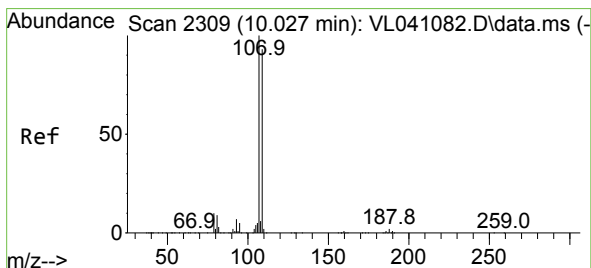
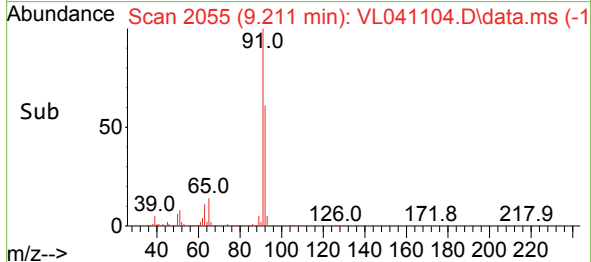
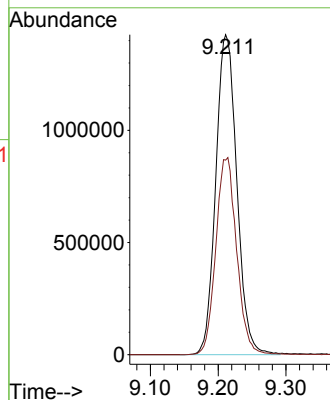
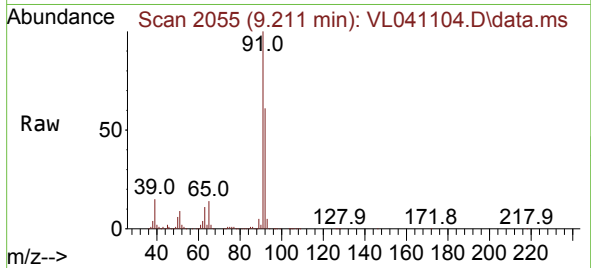




#53
Toluene
Concen: 10.761 ppbv
RT: 9.211 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

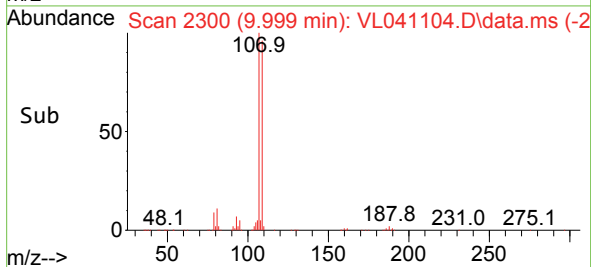
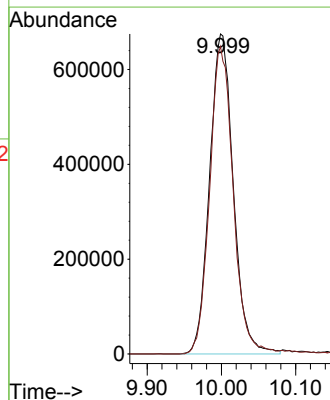
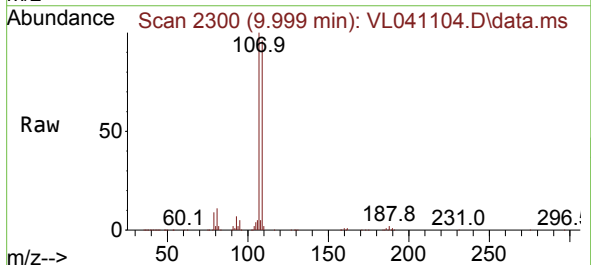
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

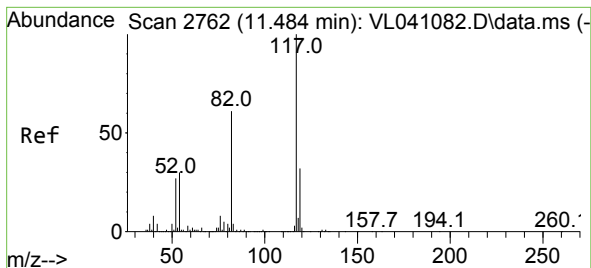
Tgt Ion: 91 Resp: 3079509
Ion Ratio Lower Upper
91 100
92 61.2 48.9 73.3



#54
1,2-Dibromoethane
Concen: 10.297 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 107 Resp: 1500163
Ion Ratio Lower Upper
107 100
109 96.1 74.4 111.6

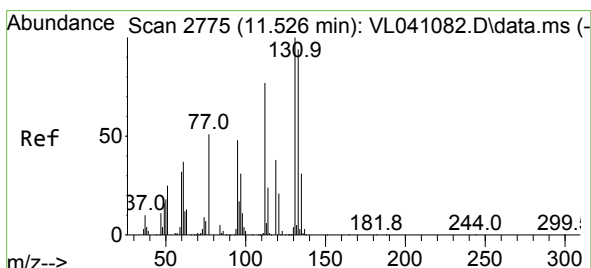
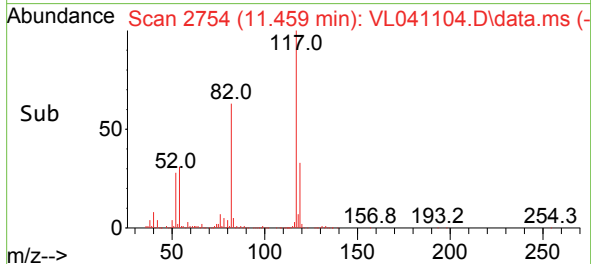
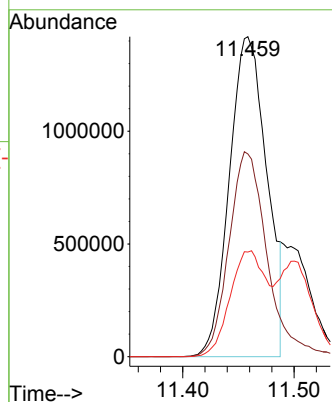
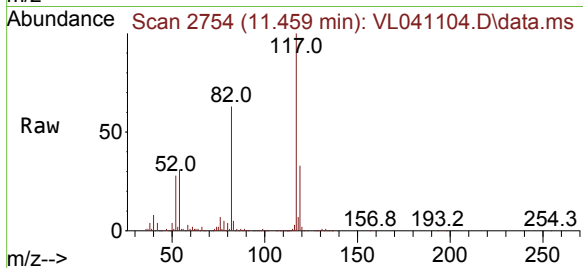




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

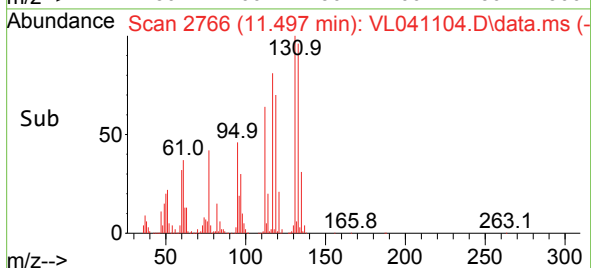
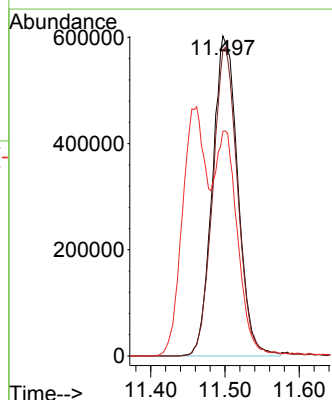
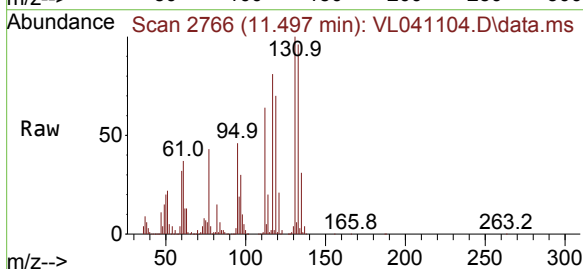
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

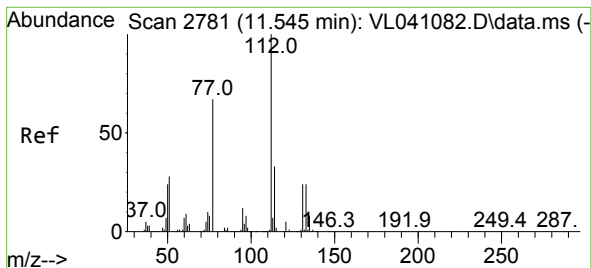
Tgt Ion:117 Resp: 3320264
Ion Ratio Lower Upper
117 100
82 66.2 51.4 77.2
119 30.8 23.7 35.5



#56
1,1,1,2-Tetrachloroethane
Concen: 10.088 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion:131 Resp: 1433079
Ion Ratio Lower Upper
131 100
133 95.2 76.1 114.1
119 66.5 51.1 76.7

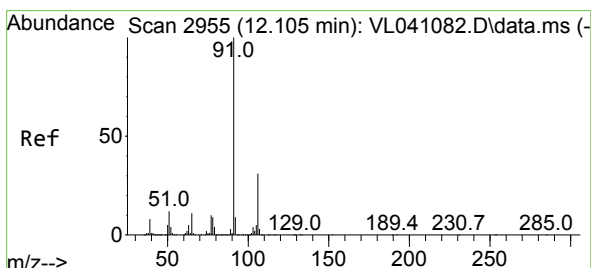
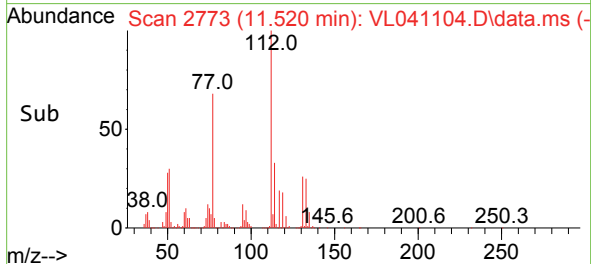
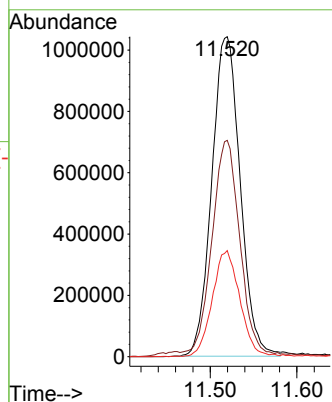
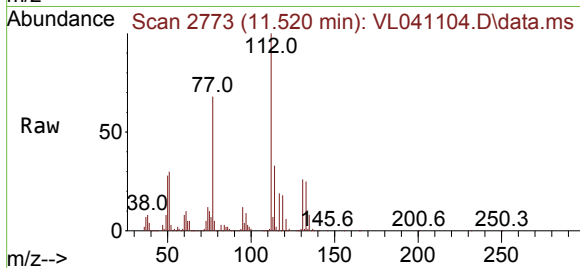




#57
Chlorobenzene
Concen: 10.157 ppbv
RT: 11.520 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

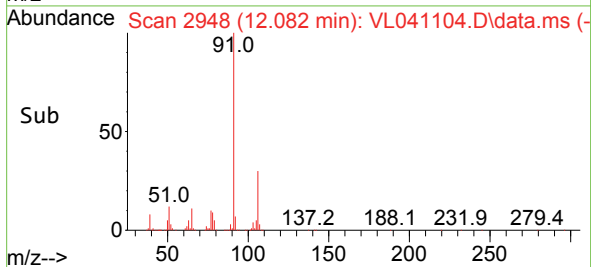
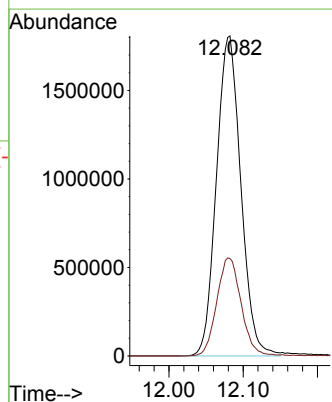
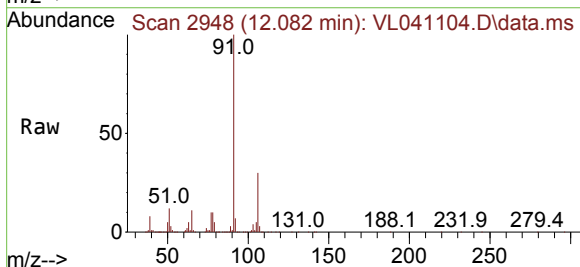
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

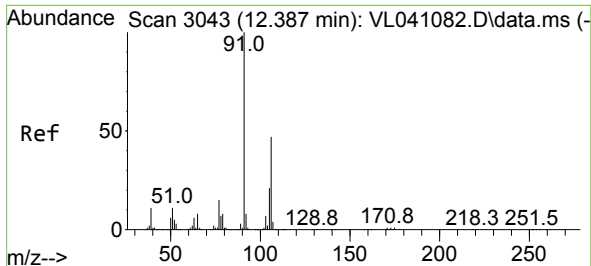
Tgt Ion:112 Resp: 2377269
Ion Ratio Lower Upper
112 100
77 66.8 54.6 81.8
114 33.1 29.4 36.0



#58
Ethyl Benzene
Concen: 10.622 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 91 Resp: 4129206
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

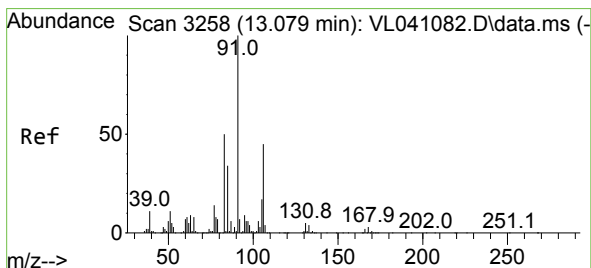
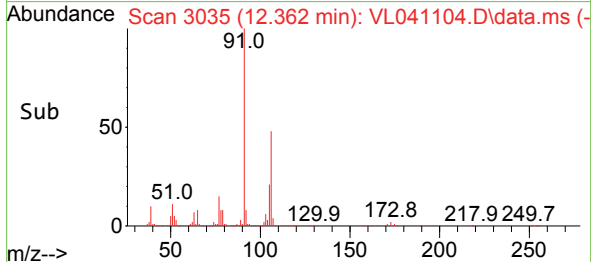
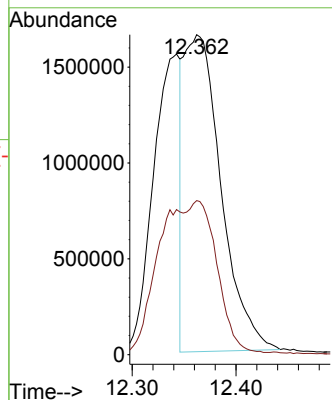
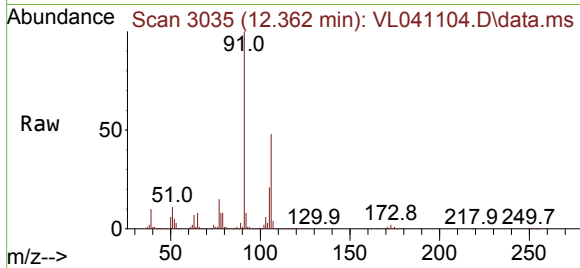




#59
m/p-Xylene
Concen: 12.035 ppbv
RT: 12.362 min Scan# 3043
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

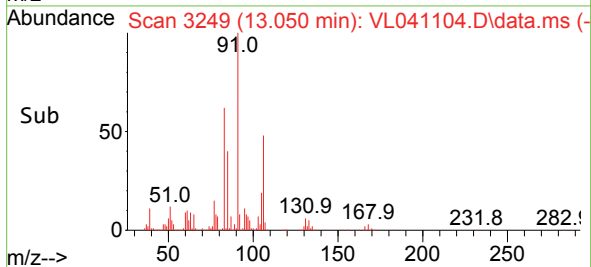
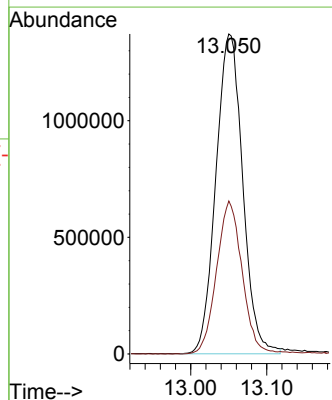
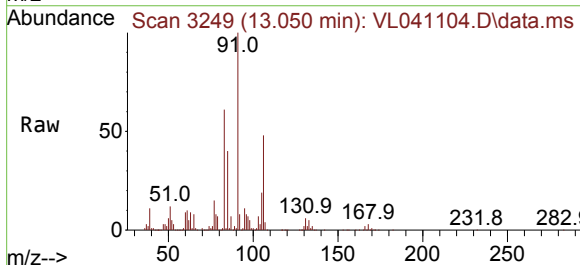
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

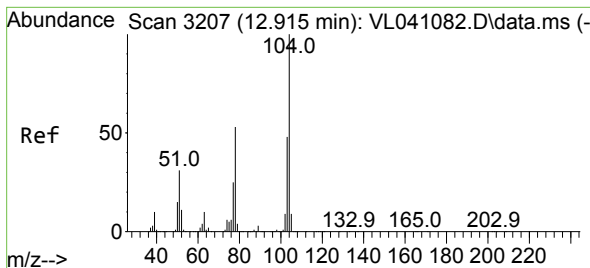
Tgt Ion: 91 Resp: 4106588
Ion Ratio Lower Upper
91 100
106 76.9 35.4 53.2#



#60
o-Xylene
Concen: 10.354 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 91 Resp: 3354503
Ion Ratio Lower Upper
91 100
106 46.5 22.4 67.3





#61

Styrene

Concen: 11.708 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

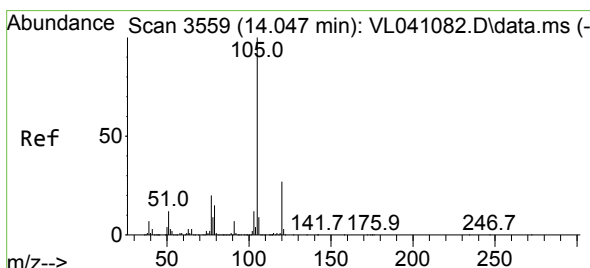
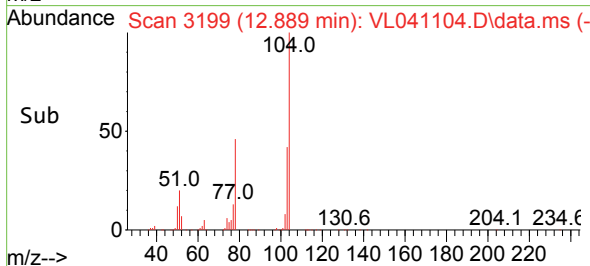
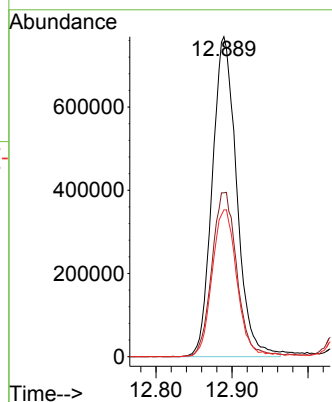
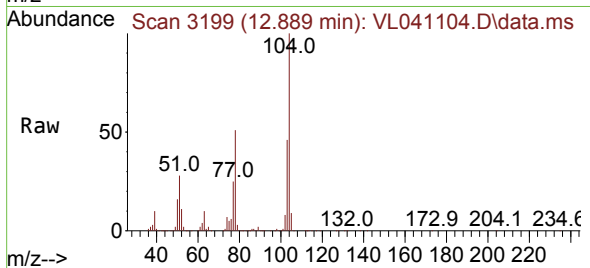
Tgt Ion:104 Resp: 1712945

Ion Ratio Lower Upper

104 100

78 53.1 42.6 64.0

103 47.4 37.3 55.9



#62

Isopropylbenzene

Concen: 10.221 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. 0.000 min

Lab File: VL041104.D

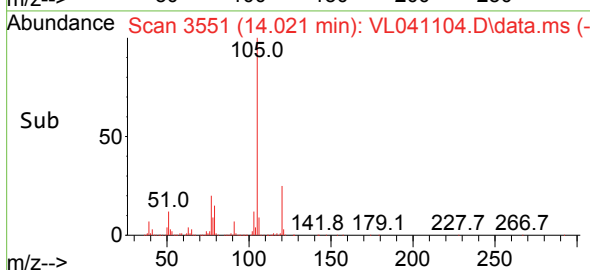
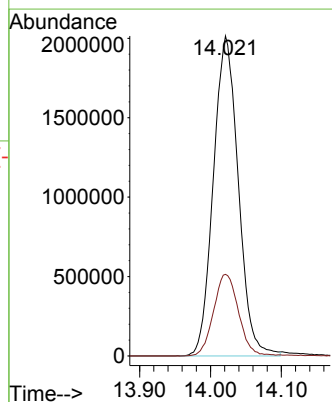
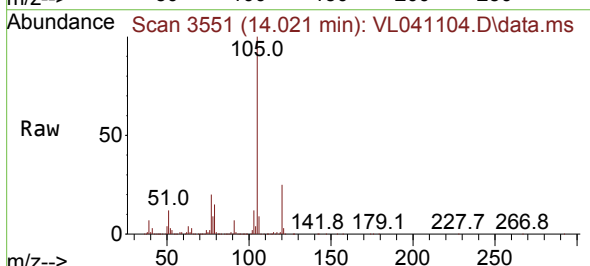
Acq: 14 Mar 2024 11:37

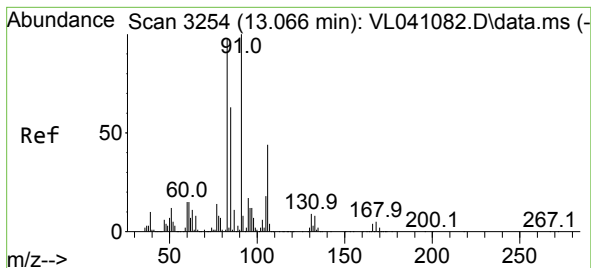
Tgt Ion:105 Resp: 4919313

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 10.404 ppbv

RT: 13.040 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

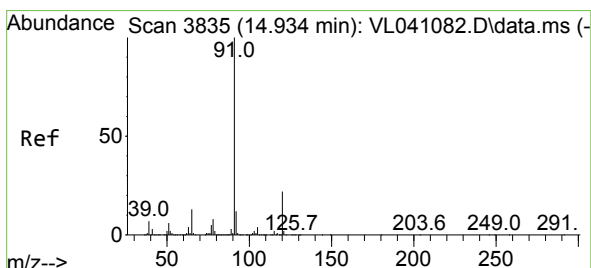
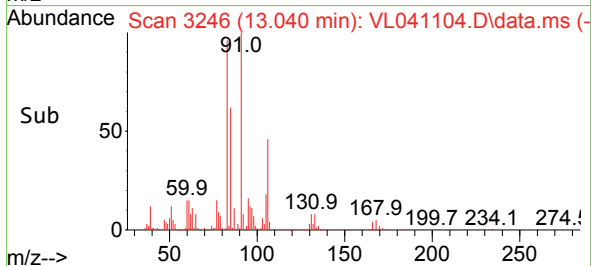
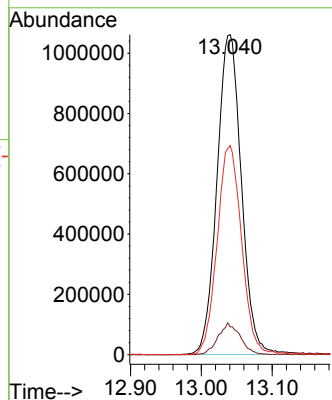
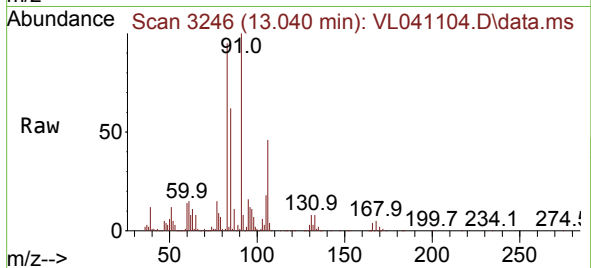
Tgt Ion: 83 Resp: 2533521

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

85 66.2 32.7 98.1



#64

n-propylbenzene

Concen: 10.582 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.000 min

Lab File: VL041104.D

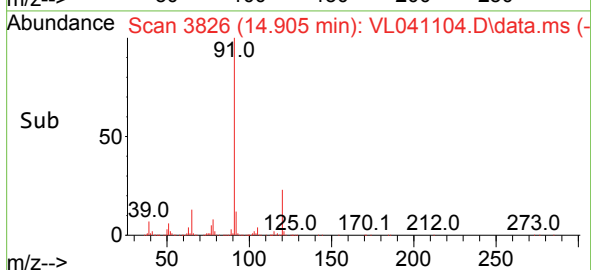
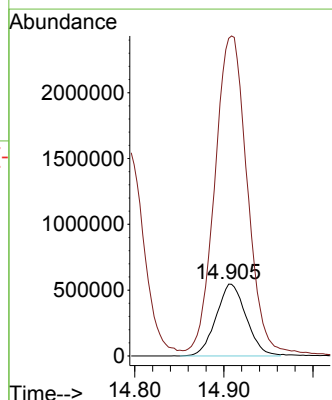
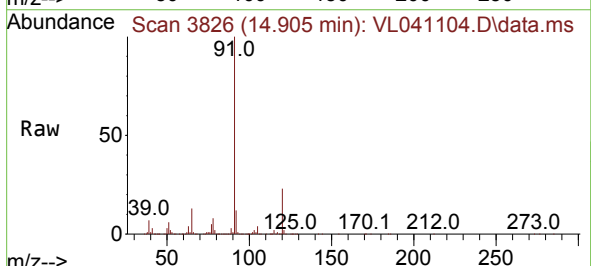
Acq: 14 Mar 2024 11:37

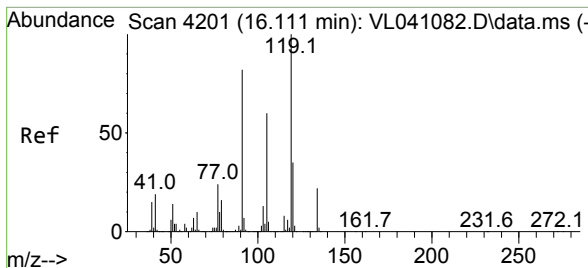
Tgt Ion:120 Resp: 1281502

Ion Ratio Lower Upper

120 100

91 486.7 387.5 581.3

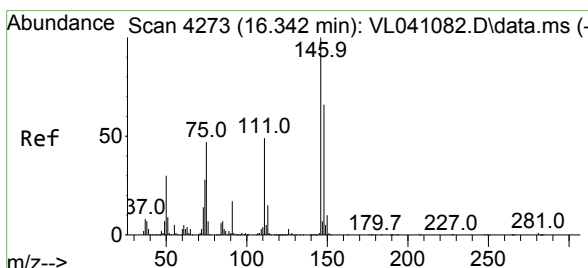
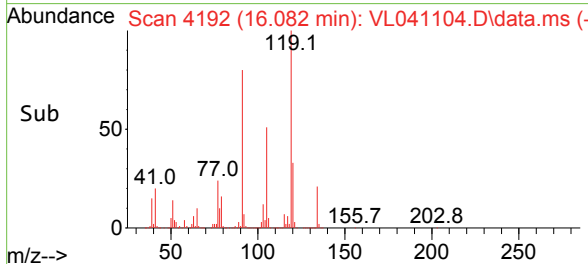
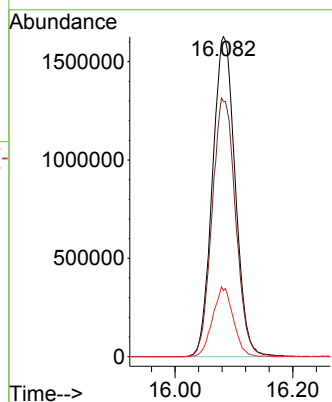
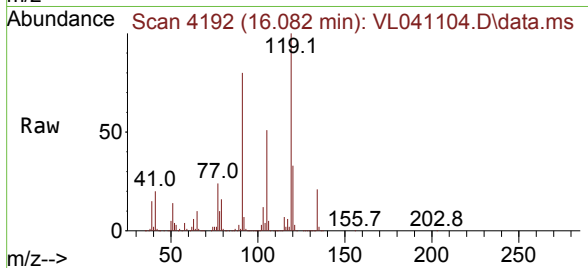




#65
tert-Butylbenzene
Concen: 10.444 ppbv
RT: 16.082 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

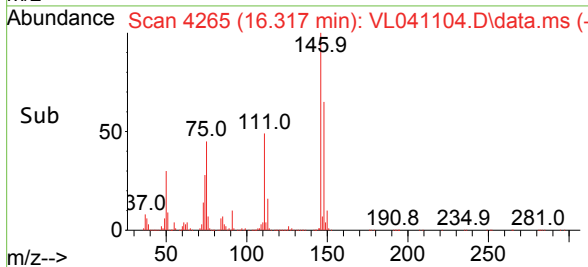
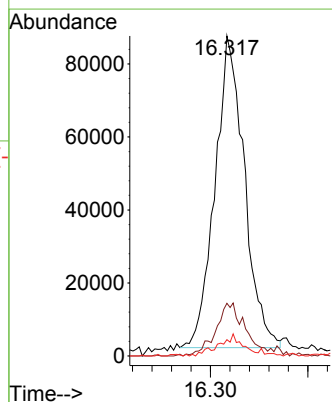
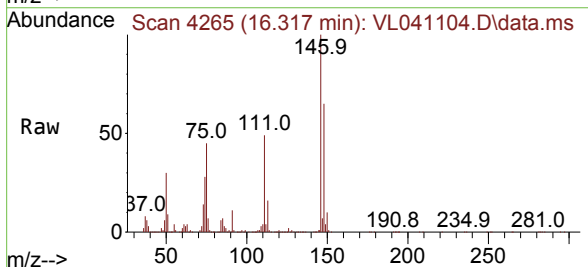
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

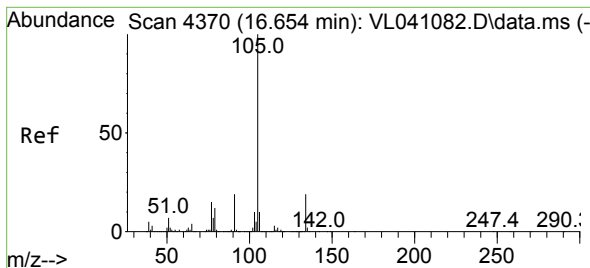
Tgt Ion:119 Resp: 4368846
Ion Ratio Lower Upper
119 100
91 83.5 67.8 101.8
134 19.9 16.2 24.2



#66
Benzyl Chloride
Concen: 6.322 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion: 91 Resp: 179169
Ion Ratio Lower Upper
91 100
126 18.3 14.1 21.1
128 6.7 4.6 7.0

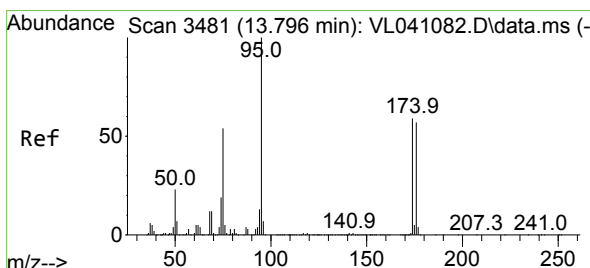
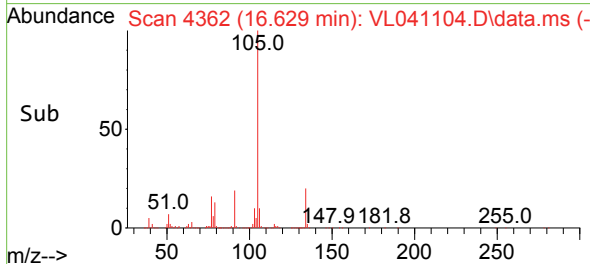
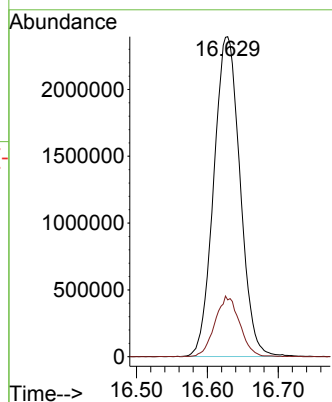
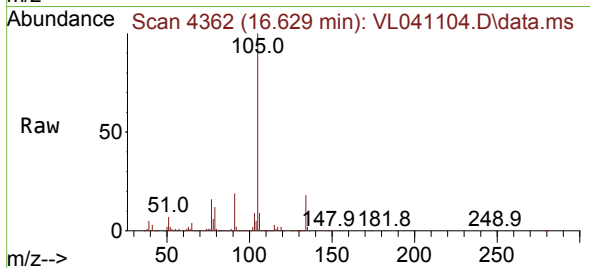




#67
 sec-Butylbenzene
 Concen: 10.255 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

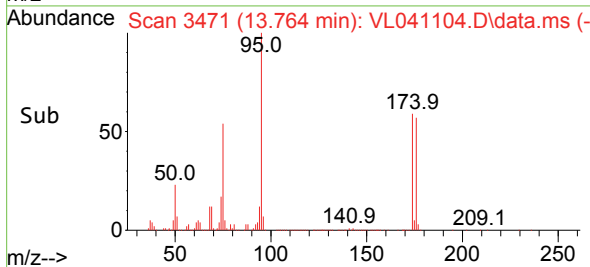
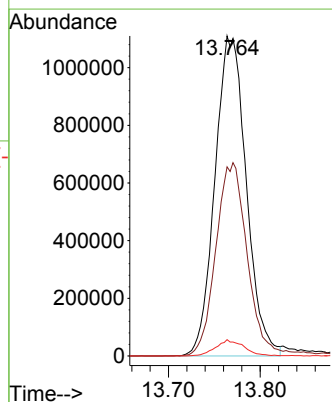
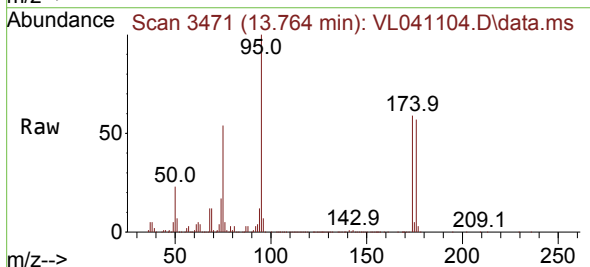
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

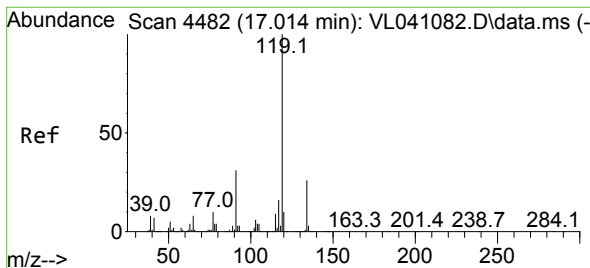
Tgt Ion:105 Resp: 6170534
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.158 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Tgt Ion: 95 Resp: 2636862
 Ion Ratio Lower Upper
 95 100
 174 61.9 47.8 71.8
 175 4.6 3.5 5.3





#69

p-Isopropyltoluene

Concen: 10.636 ppbv

RT: 16.986 min Scan# 44

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

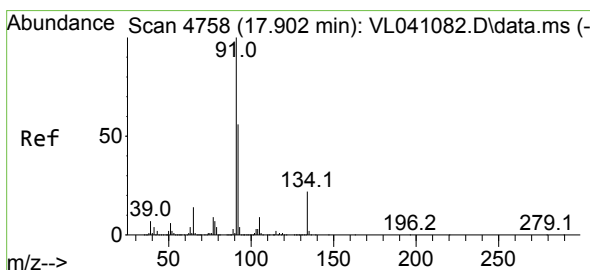
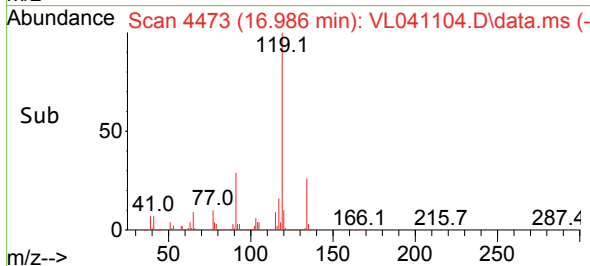
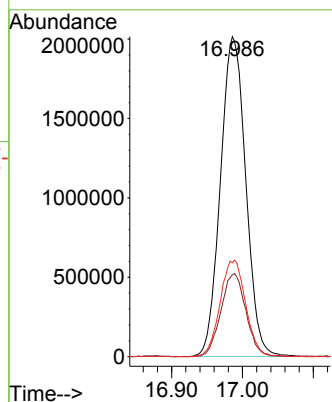
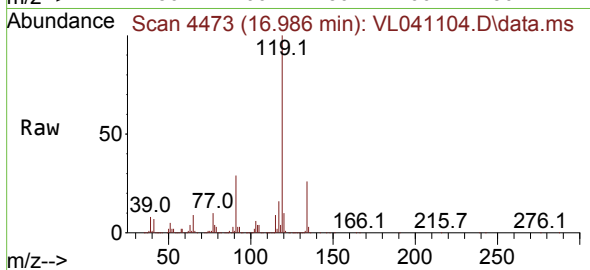
Tgt Ion:119 Resp: 4991893

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 30.5 24.7 37.1



#70

n-Butylbenzene

Concen: 10.658 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

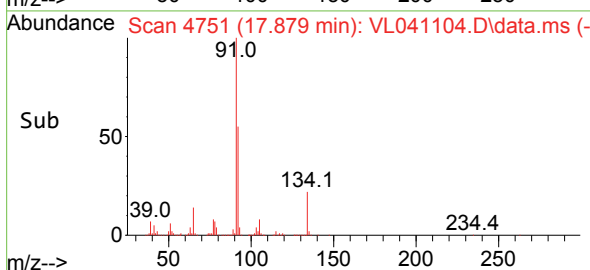
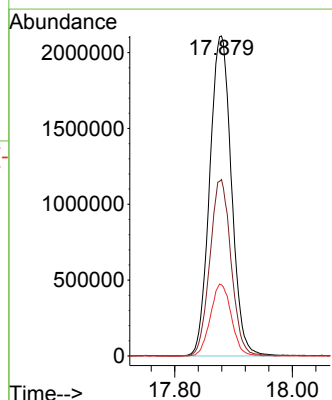
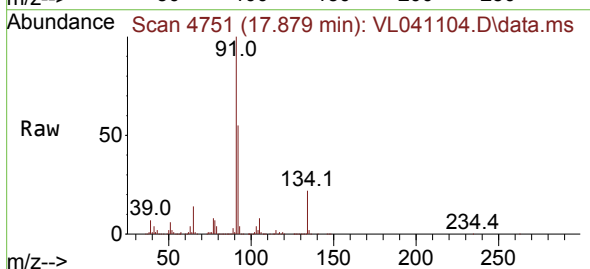
Tgt Ion: 91 Resp: 5406114

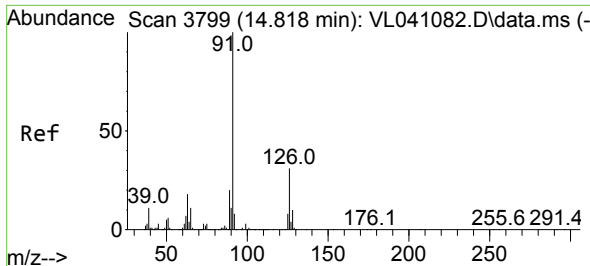
Ion Ratio Lower Upper

91 100

92 54.0 43.4 65.2

134 21.7 17.4 26.0

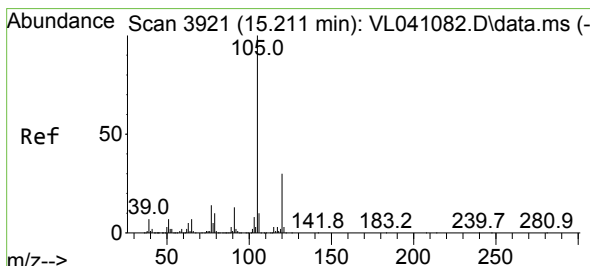
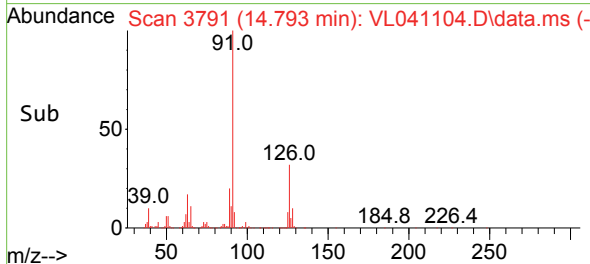
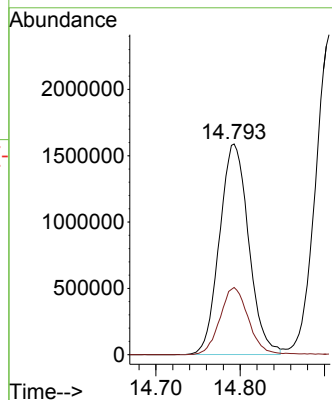
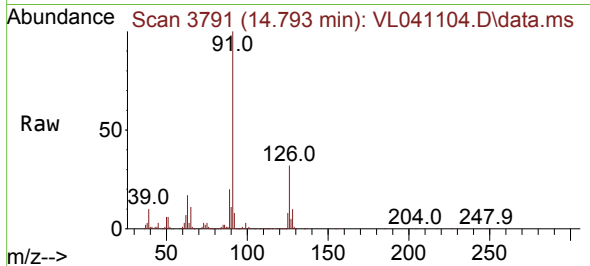




#71
2-Chlorotoluene
Concen: 10.373 ppbv
RT: 14.793 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

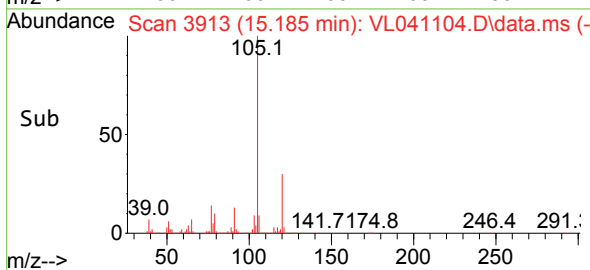
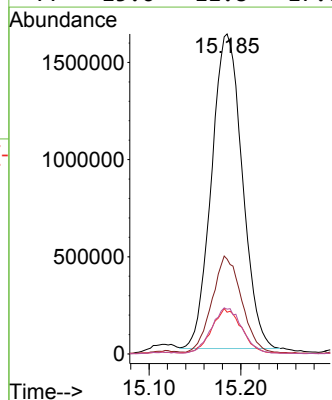
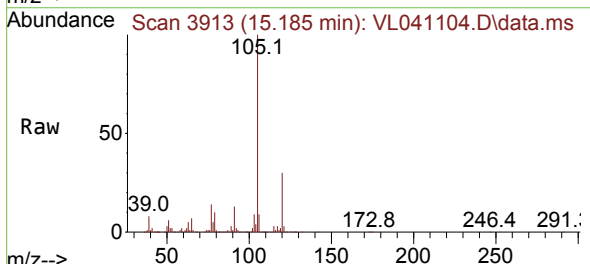
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

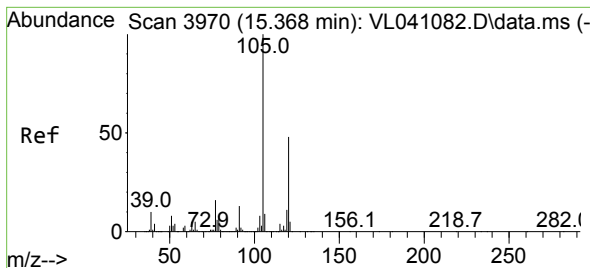
Tgt Ion: 91 Resp: 3818678
Ion Ratio Lower Upper
91 100
126 31.7 12.2 48.8



#72
4-Ethyltoluene
Concen: 10.548 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.000 min
Lab File: VL041104.D
Acq: 14 Mar 2024 11:37

Tgt Ion:105 Resp: 3762494
Ion Ratio Lower Upper
105 100
120 31.8 23.8 35.8
91 15.1 10.9 16.3
77 15.6 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.638 ppbv

RT: 15.343 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

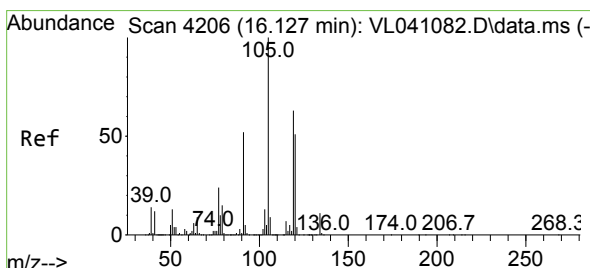
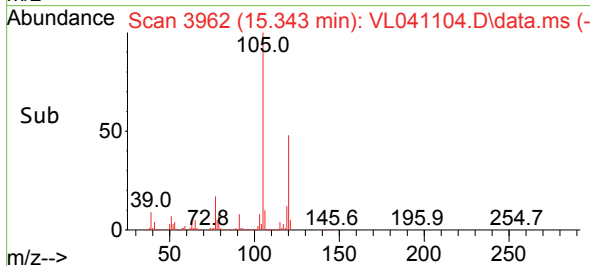
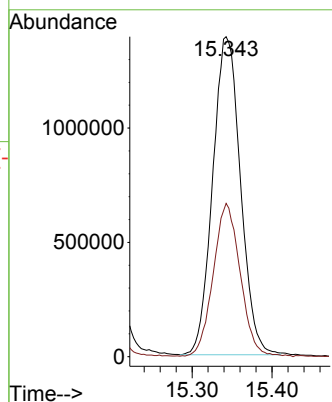
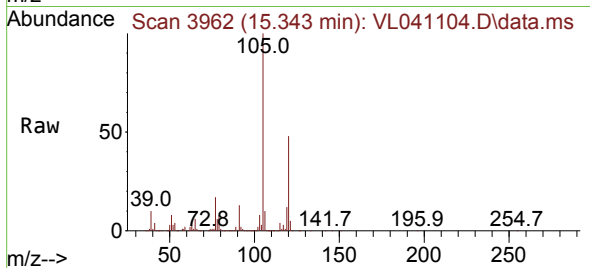
VSTDCCC010

Tgt Ion:105 Resp: 3357942

Ion Ratio Lower Upper

105 100

120 48.1 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 10.376 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Tgt Ion:105 Resp: 3740812

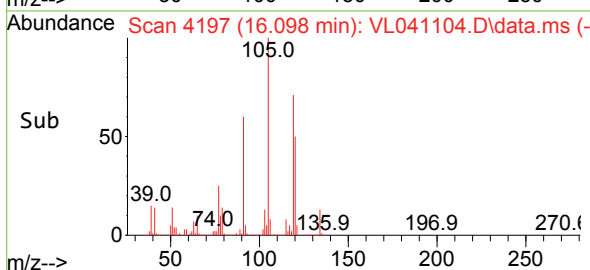
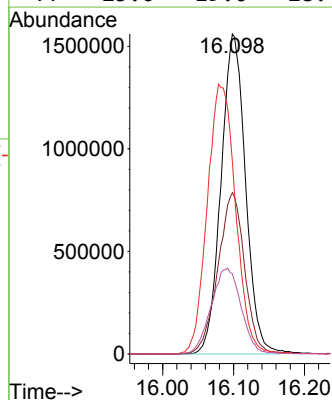
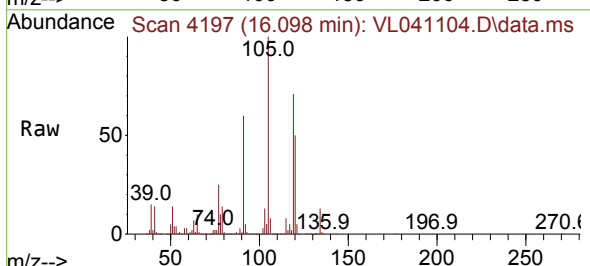
Ion Ratio Lower Upper

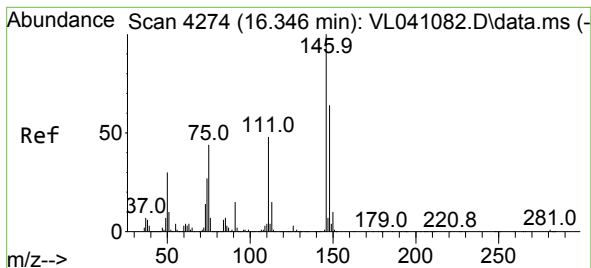
105 100

120 50.4 40.4 60.6

91 59.9 41.4 62.0

77 25.0 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 10.383 ppbv

RT: 16.323 min Scan# 4311

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

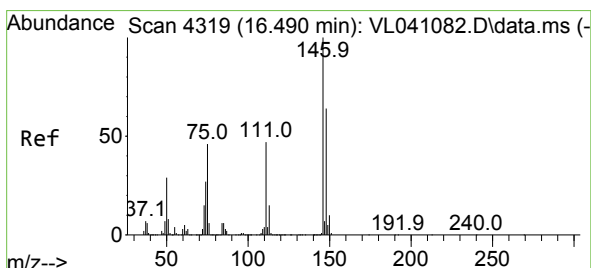
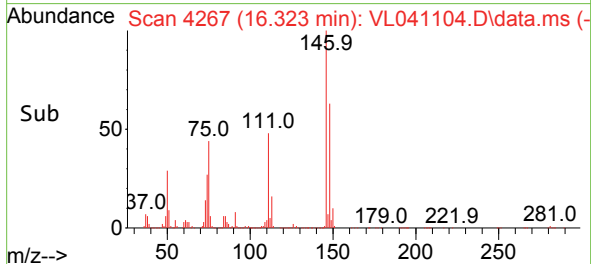
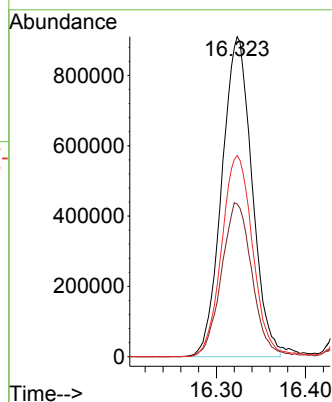
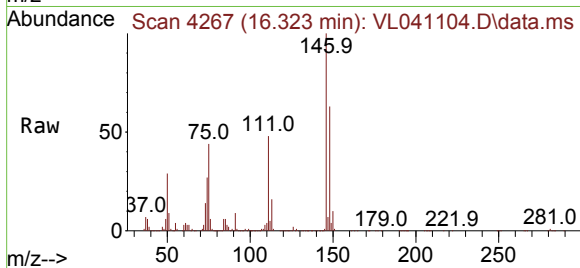
Tgt Ion:146 Resp: 2137788

Ion Ratio Lower Upper

146 100

111 49.0 24.1 72.2

148 65.2 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 9.977 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

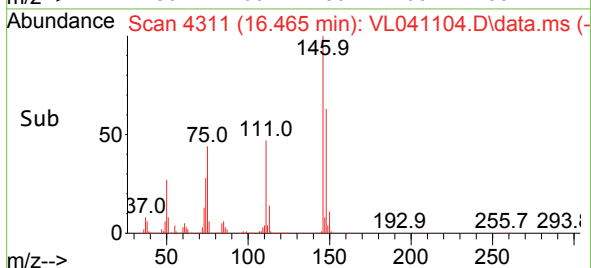
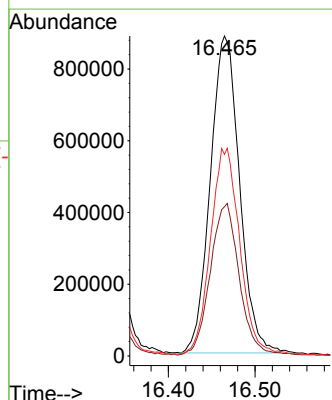
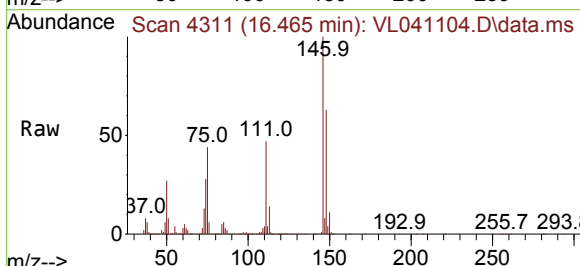
Tgt Ion:146 Resp: 2069685

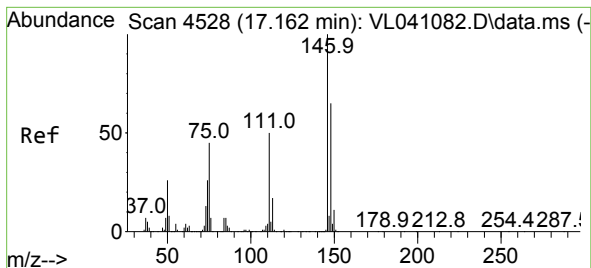
Ion Ratio Lower Upper

146 100

111 48.3 23.9 71.7

148 66.6 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 10.403 ppbv

RT: 17.137 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

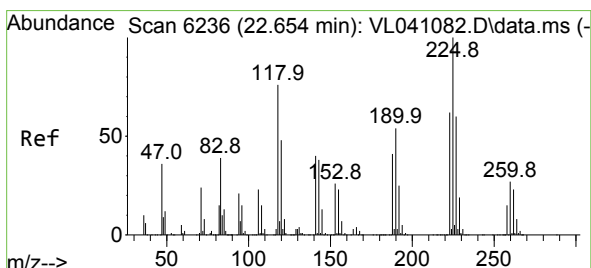
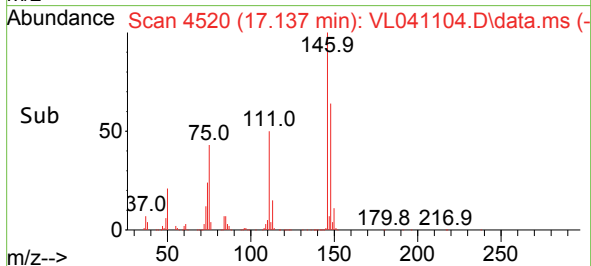
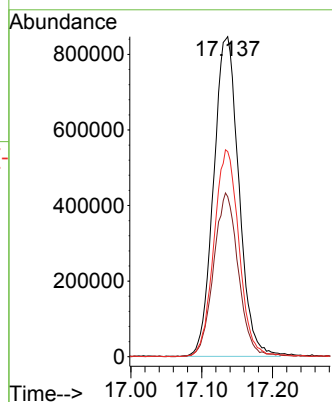
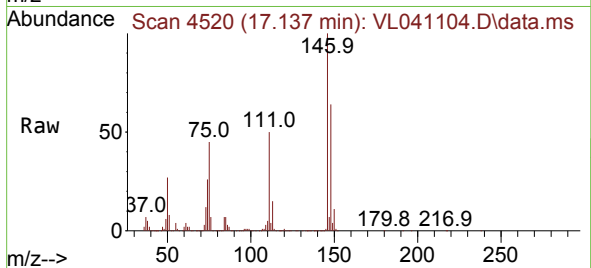
Tgt Ion:146 Resp: 2092836

Ion Ratio Lower Upper

146 100

111 50.4 25.2 75.6

148 64.5 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.787 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

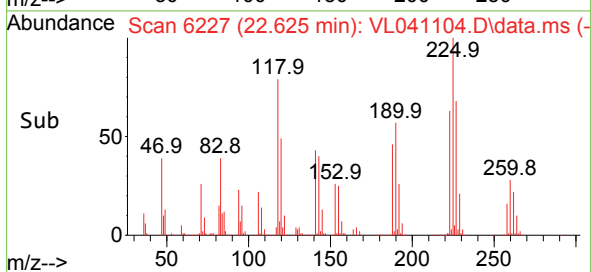
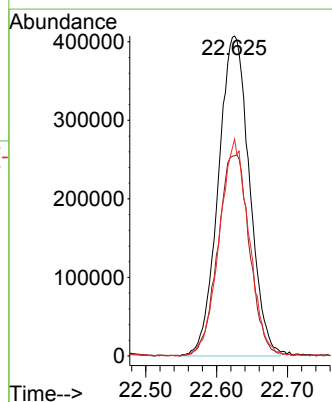
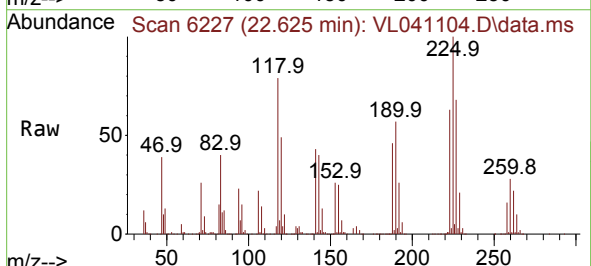
Tgt Ion:225 Resp: 1244520

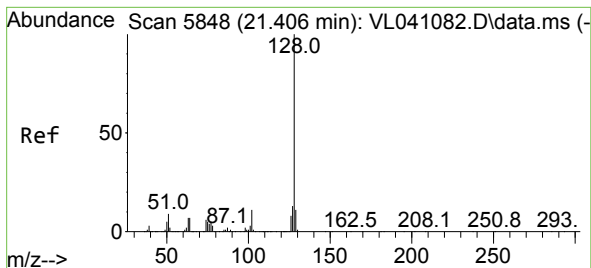
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 64.6 51.1 76.7





#79

Naphthalene

Concen: 13.941 ppbv

RT: 21.375 min Scan# 5838

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

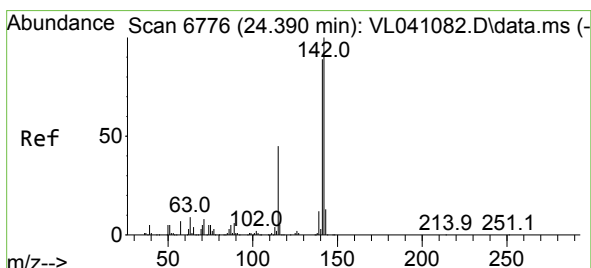
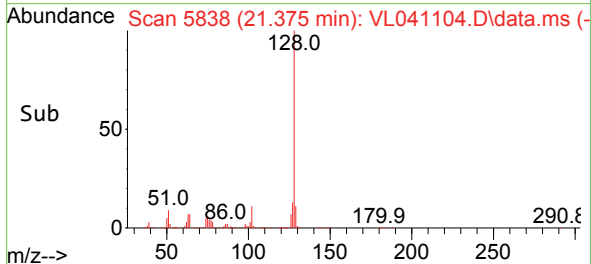
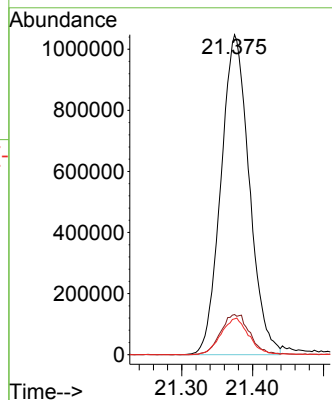
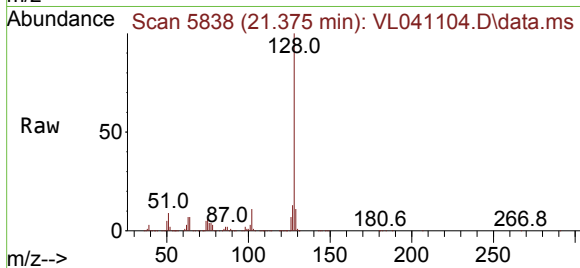
Tgt Ion:128 Resp: 2910603

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

129 11.2 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 17.796 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.000 min

Lab File: VL041104.D

Acq: 14 Mar 2024 11:37

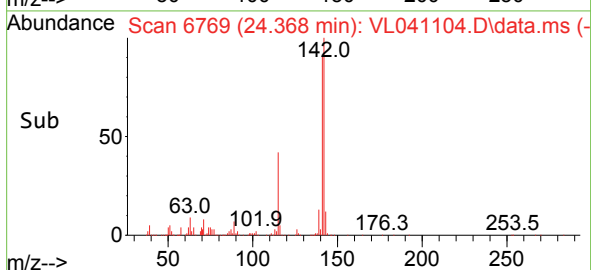
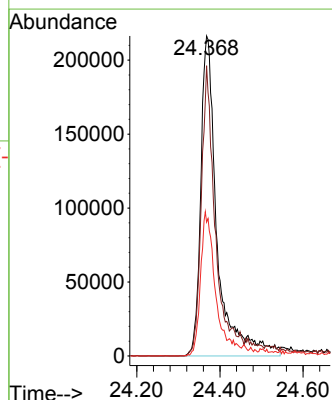
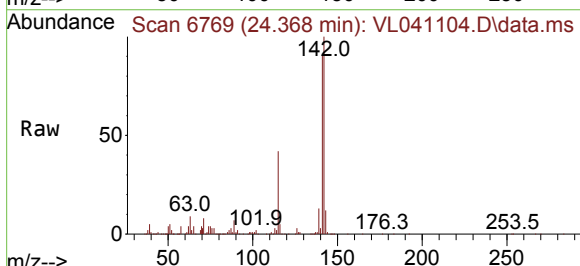
Tgt Ion:142 Resp: 595561

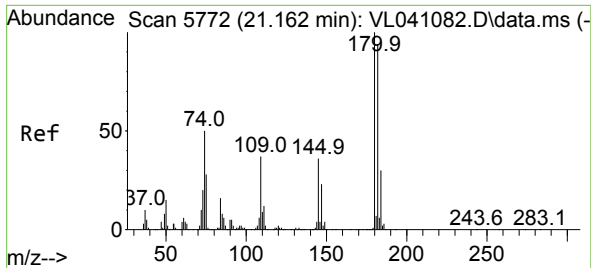
Ion Ratio Lower Upper

142 100

141 81.2 61.3 91.9

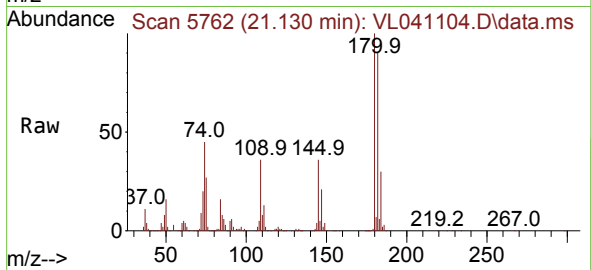
115 43.1 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 12.069 ppbv
 RT: 21.130 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041104.D
 Acq: 14 Mar 2024 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1451025

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.7	118.1
184	31.2	25.3	37.9

