

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041319.D
 Acq On : 5 Jun 2024 7:51
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Jun 05 08:39:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	873357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3191965	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	4885623	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.777	95	3508591	9.301	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.758	85	1429977	10.253	ppbv	98
3) Chlorodifluoromethane	2.703	51	1273880	9.230	ppbv	99
4) Chloromethane	2.841	50	558702	10.755	ppbv	97
5) Vinyl Chloride	2.947	62	565647	10.809	ppbv	96
6) Bromomethane	3.144	94	298383	16.036	ppbv	95
7) Chloroethane	3.224	64	190387	10.567	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1319091	10.284	ppbv	99
9) Propene	2.722	41	523183	10.642	ppbv	100
10) Heptane	7.587	43	1252274	10.747	ppbv	99
11) Trichlorofluoromethane	3.584	101	1337509	10.432	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.082	101	963771	10.642	ppbv	100
13) Ethanol	3.259	45	161570	12.633	ppbv	96
14) Bromoethene	3.388	108	393383	10.733	ppbv	98
15) Acetone	3.488	43	1132796	11.360	ppbv	100
16) 1,3-Butadiene	3.012	39	573041	11.432	ppbv	99
17) tert-Butyl alcohol	3.896	59	1071727	11.674	ppbv	99
18) 1,1-Dichloroethene	3.899	96	427856	11.075	ppbv	97
19) Isopropyl Alcohol	3.594	45	799911	12.768	ppbv	100
20) Methylene Chloride	3.951	84	364892	10.068	ppbv	96
21) Allyl Chloride	4.015	41	741417	11.737	ppbv	98
22) trans-1,2-Dichloroethene	4.462	96	440316	10.937	ppbv	97
23) Vinyl Acetate	4.642	43	1281340	12.564	ppbv	99
24) 1,1-Dichloroethane	4.581	63	962496	10.729	ppbv	99
25) Ethyl Acetate	5.217	43	2126892	10.782	ppbv	100
26) Hexane	5.227	57	918252	10.351	ppbv	99
27) Carbon Disulfide	4.143	76	1088760	11.080	ppbv	100
28) Methyl tert-Butyl Ether	4.600	73	687274	10.453	ppbv	99
29) Chloroform	5.288	83	1382752	10.159	ppbv	98
30) Cyclohexane	6.610	84	748595	10.411	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	913682	10.899	ppbv	98
32) 1,1,1-Trichloroethane	6.012	97	1366022	10.596	ppbv	100
34) 2-Butanone	4.799	43	1197660	7.832	ppbv	97
35) Carbon Tetrachloride	6.504	117	1317097	7.260	ppbv	97
36) Benzene	6.378	78	1913043	7.732	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1093919	7.584	ppbv	100
38) Trichloroethene	7.298	130	714323	7.124	ppbv	97
39) 1,2-Dichloropropane	7.079	63	737886	7.490	ppbv	97
40) 1,4-Dioxane	7.291	88	288278	7.990	ppbv	# 1
41) Tetrahydrofuran	5.568	42	828020	8.322	ppbv	98
42) Bromodichloromethane	7.259	83	1558229	7.522	ppbv	99
43) Methyl Methacrylate	7.478	69	785223	8.330	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3252343	7.644	ppbv	98
45) t-1,3-Dichloropropene	8.716	75	870797	13.690	ppbv	99

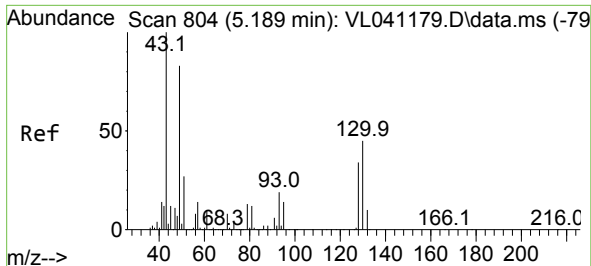
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041319.D
 Acq On : 5 Jun 2024 7:51
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 05 08:39:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1088948	13.299	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	786615	7.641	ppbv	99
48) Dibromochloromethane	9.716	129	1308870	7.715	ppbv	100
49) Bromoform	12.407	173	1087317	7.953	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2146774	8.481	ppbv	99
51) 2-Hexanone	9.552	43	1741975	9.682	ppbv #	98
52) Tetrachloroethene	10.619	164	675997	7.492	ppbv	97
53) Toluene	9.224	91	2231828	7.842	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1171498	8.729	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	935035	4.525	ppbv #	18
57) Chlorobenzene	11.529	112	1653633	4.557	ppbv	99
58) Ethyl Benzene	12.089	91	3000202	4.791	ppbv	98
59) m/p-Xylene	12.375	91	1996185	3.720	ppbv #	1
60) o-Xylene	13.056	91	2399559	4.691	ppbv	98
61) Styrene	12.896	104	1293999	5.160	ppbv	99
62) Isopropylbenzene	14.031	105	3529923	4.563	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1701338	4.675	ppbv	100
64) n-propylbenzene	14.912	120	909872	4.563	ppbv	96
65) tert-Butylbenzene	16.088	119	3116918	4.532	ppbv	99
66) Benzyl Chloride	16.326	91	440441	9.734	ppbv	98
67) sec-Butylbenzene	16.635	105	4439115	4.569	ppbv	100
69) p-Isopropyltoluene	16.995	119	3704702	4.627	ppbv	100
70) n-Butylbenzene	17.886	91	3902209	4.698	ppbv	100
71) 2-Chlorotoluene	14.799	91	2689748	4.543	ppbv	99
72) 4-Ethyltoluene	15.191	105	2824197	4.739	ppbv	100
73) 1,3,5-Trimethylbenzene	15.352	105	2492361	4.819	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2721693	4.653	ppbv	94
75) 1,3-Dichlorobenzene	16.329	146	1583939	4.613	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1552025	4.523	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1550685	4.511	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	523228	1.857	ppbv #	12
79) Naphthalene	21.384	128	2813625	5.543	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	988013	5.764	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	1282194	4.530	ppbv #	99

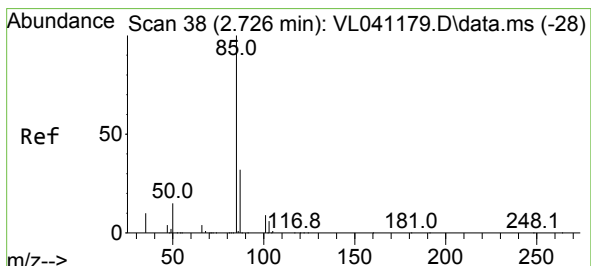
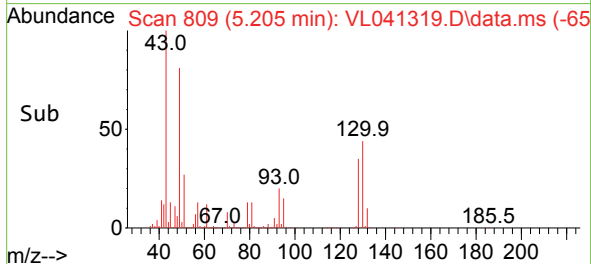
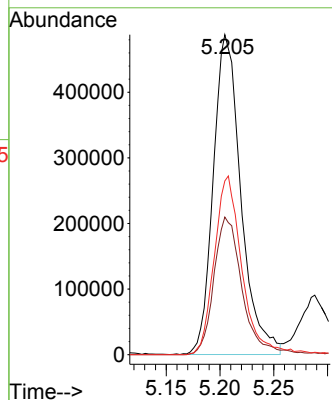
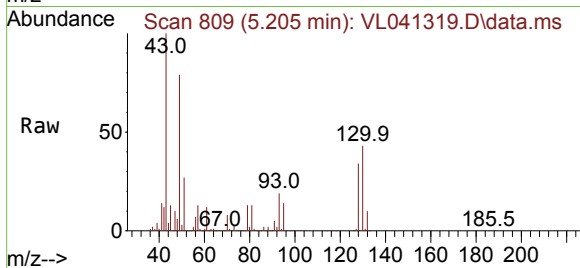
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

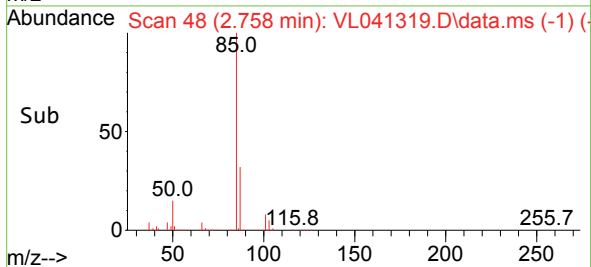
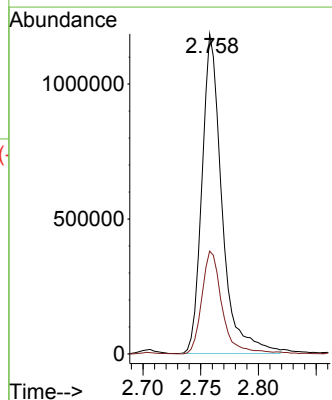
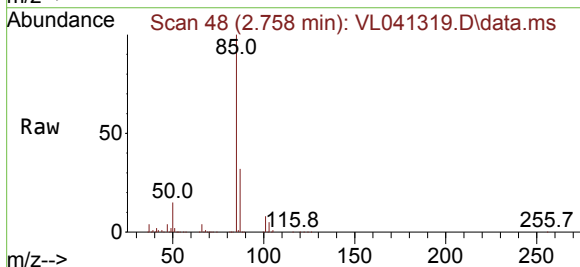
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

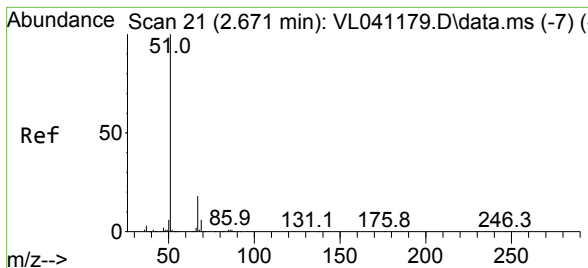
Tgt Ion: 49 Resp: 873357
 Ion Ratio Lower Upper
 49 100
 128 44.8 22.8 68.3
 130 56.5 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 10.253 ppbv
 RT: 2.758 min Scan# 48
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion: 85 Resp: 1429977
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.5 39.7





#3

Chlorodifluoromethane

Concen: 9.230 ppbv

RT: 2.703 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

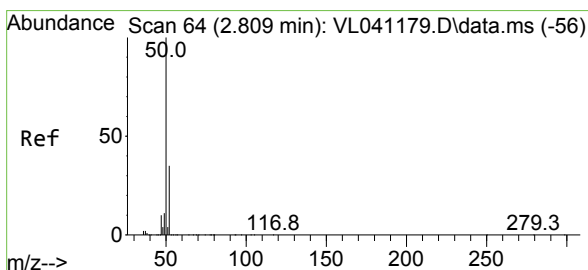
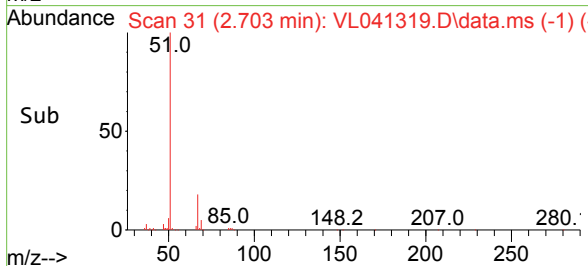
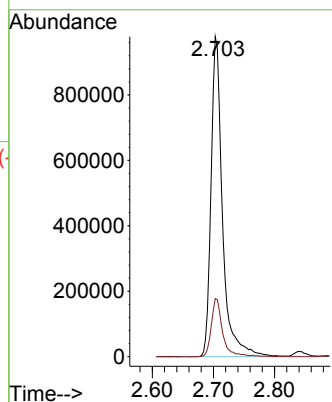
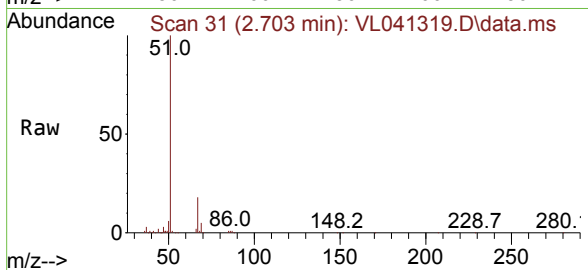
VSTDCCC010

Tgt Ion: 51 Resp: 1273880

Ion Ratio Lower Upper

51 100

67 18.1 14.7 22.1



#4

Chloromethane

Concen: 10.755 ppbv

RT: 2.841 min Scan# 74

Delta R.T. 0.003 min

Lab File: VL041319.D

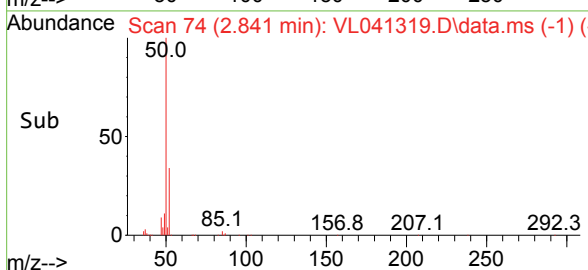
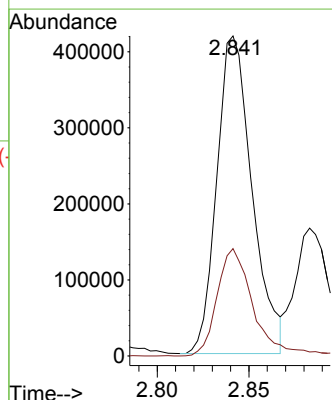
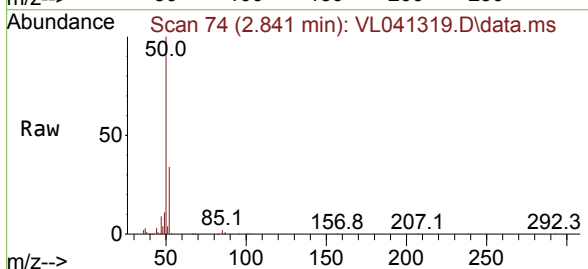
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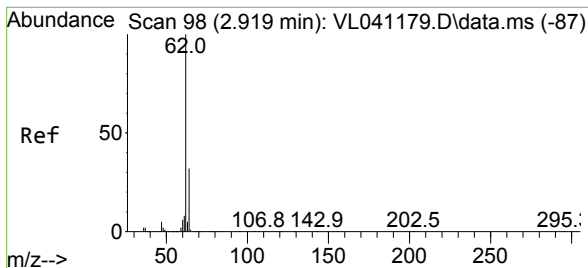
Tgt Ion: 50 Resp: 558702

Ion Ratio Lower Upper

50 100

52 33.8 25.6 38.4

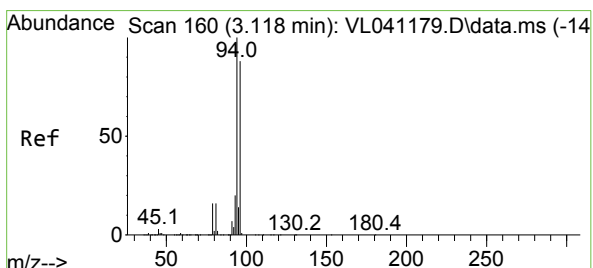
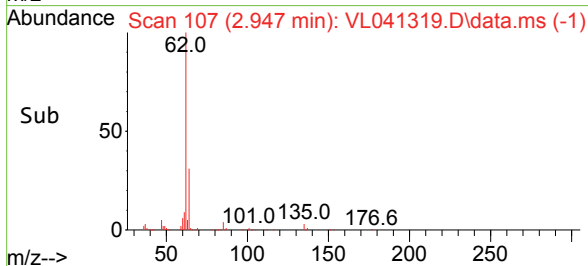
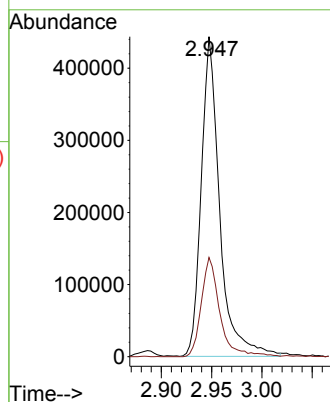
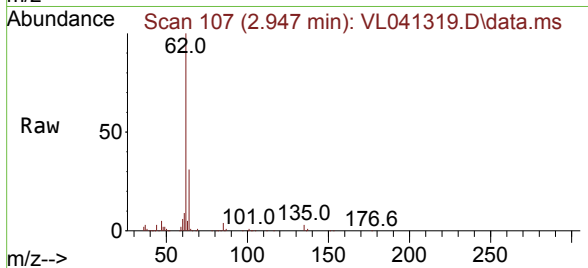




#5
 Vinyl Chloride
 Concen: 10.809 ppbv
 RT: 2.947 min Scan# 107
 Delta R.T. 0.003 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

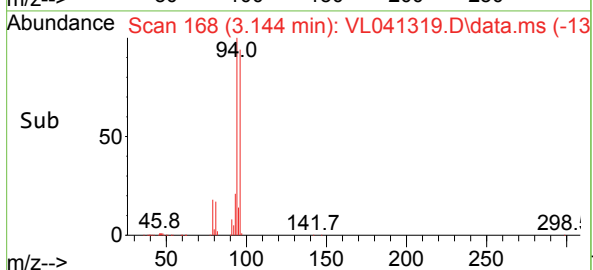
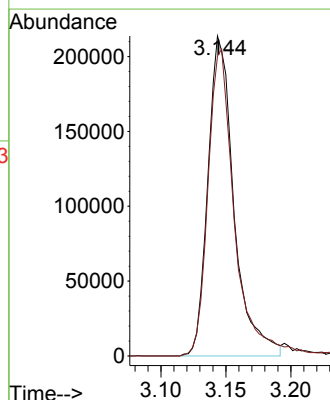
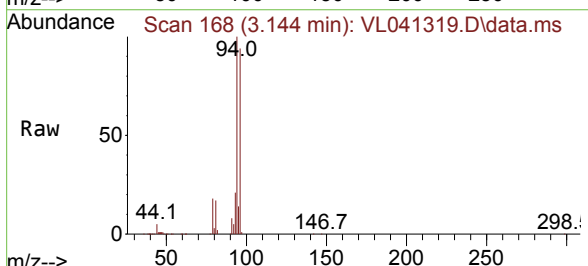
Instrument :
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 ClientSampleId :
 VSTDCCC010

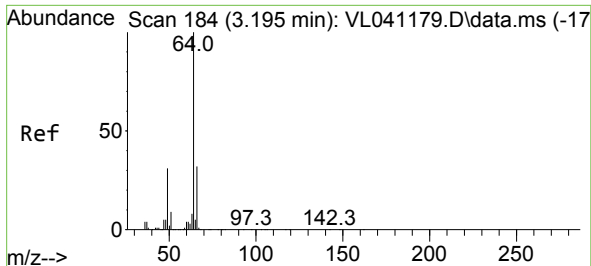
Tgt Ion: 62 Resp: 565647
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.6 40.0



#6
 Bromomethane
 Concen: 16.036 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion: 94 Resp: 298383
 Ion Ratio Lower Upper
 94 100
 96 93.7 78.6 117.8

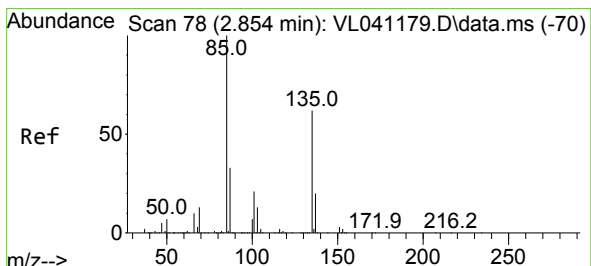
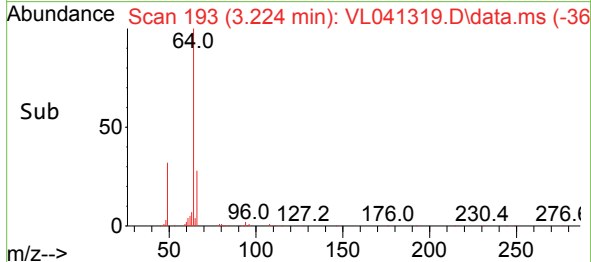
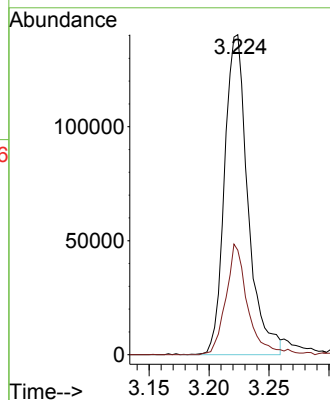
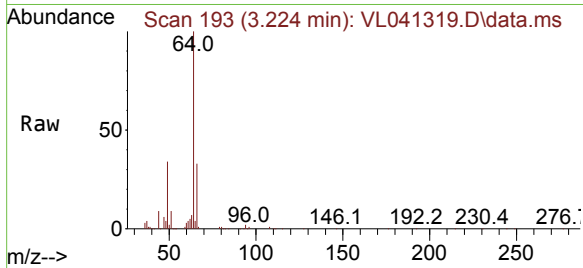




#7
Chloroethane
Concen: 10.567 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

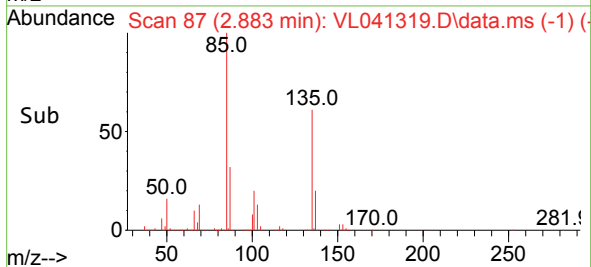
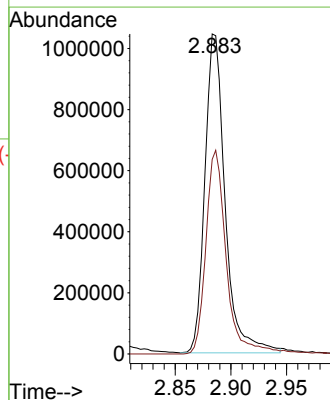
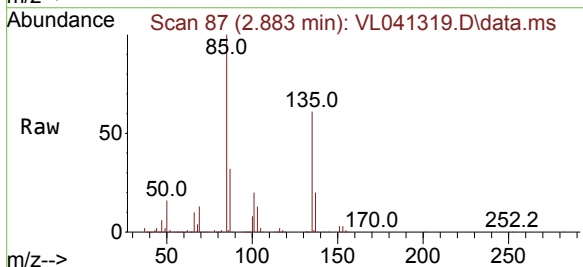
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ClientSampleId :
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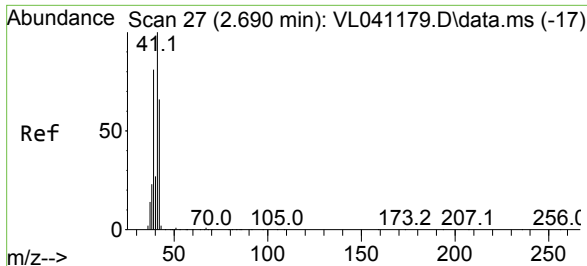
Tgt Ion: 64 Resp: 190387
Ion Ratio Lower Upper
64 100
66 32.7 28.1 42.1



#8
Dichlorotetrafluoroethane
Concen: 10.284 ppbv
RT: 2.883 min Scan# 87
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 85 Resp: 1319091
Ion Ratio Lower Upper
85 100
135 65.4 51.7 77.5

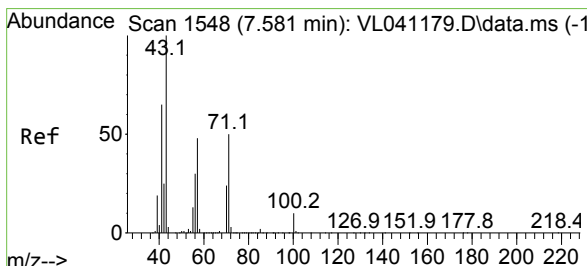
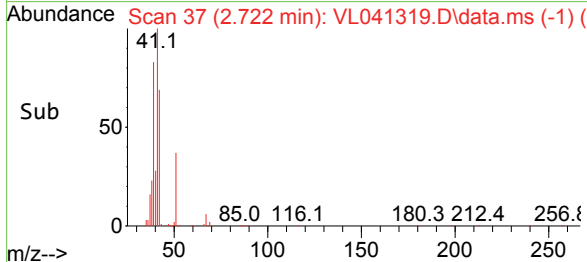
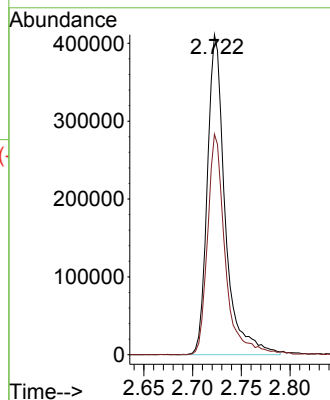
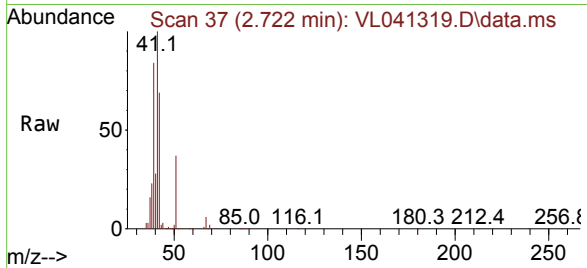




#9
 Propene
 Concen: 10.642 ppbv
 RT: 2.722 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

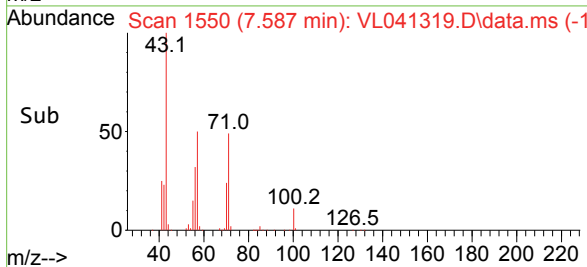
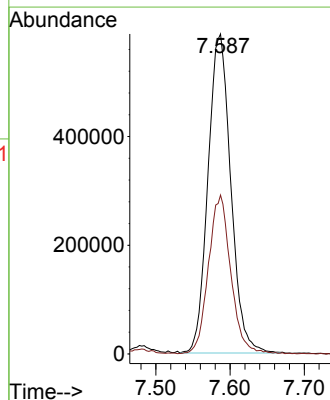
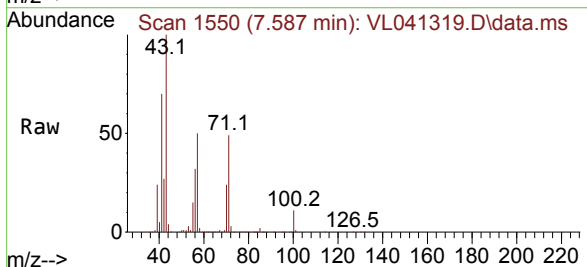
Instrument :
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 ClientSampleId :
 VSTDCCC010

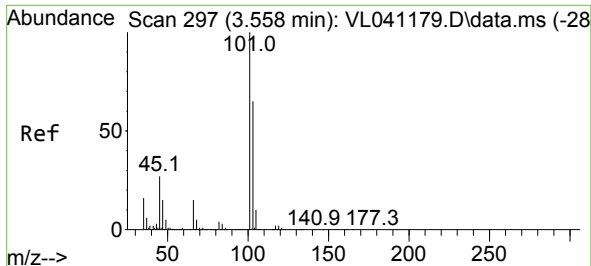
Tgt Ion: 41 Resp: 523183
 Ion Ratio Lower Upper
 41 100
 42 69.1 55.2 82.8



#10
 Heptane
 Concen: 10.747 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion: 43 Resp: 1252274
 Ion Ratio Lower Upper
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 57 49.2 39.0 58.4

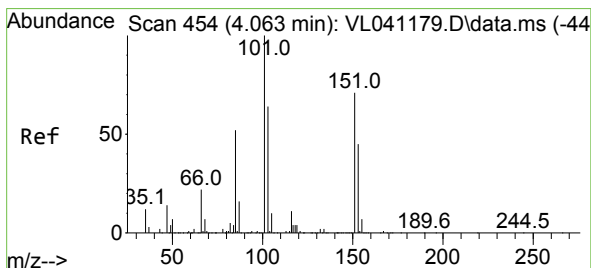
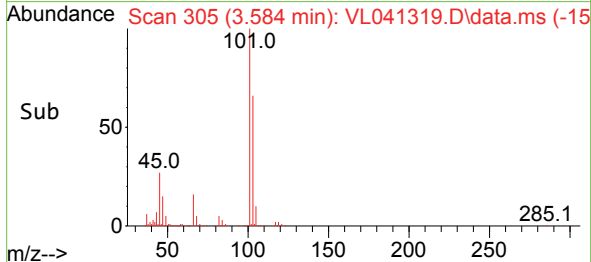
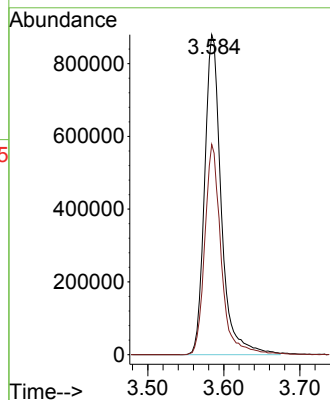
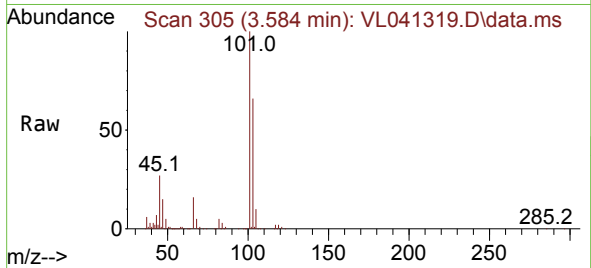




#11
 Trichlorofluoromethane
 Concen: 10.432 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

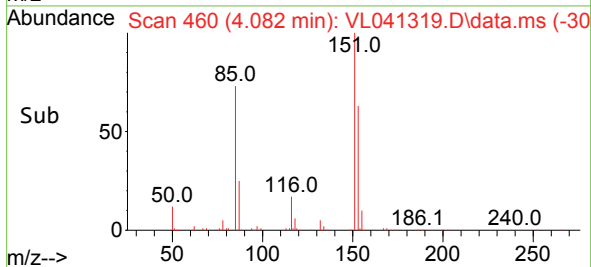
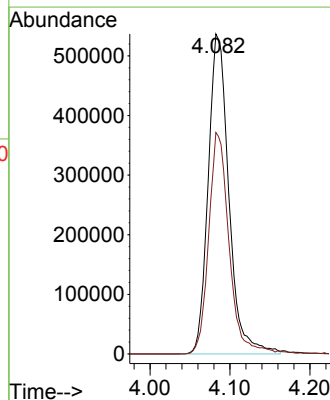
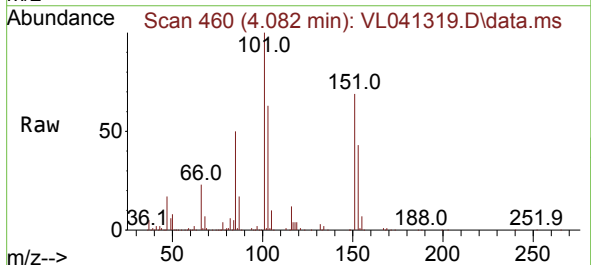
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

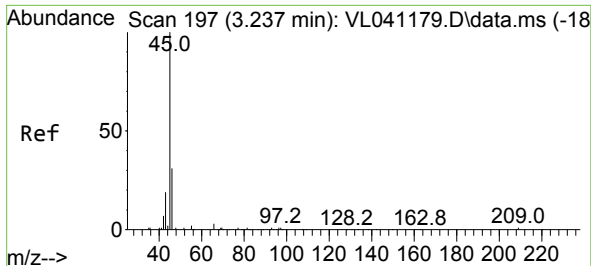
Tgt Ion:101 Resp: 1337509
 Ion Ratio Lower Upper
 101 100
 103 65.7 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.642 ppbv
 RT: 4.082 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion:101 Resp: 963771
 Ion Ratio Lower Upper
 101 100
 151 68.8 54.8 82.2

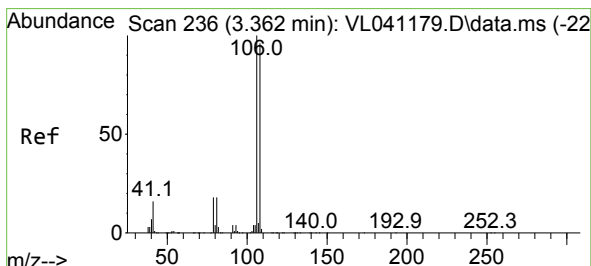
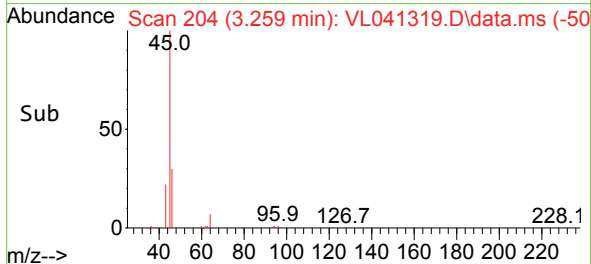
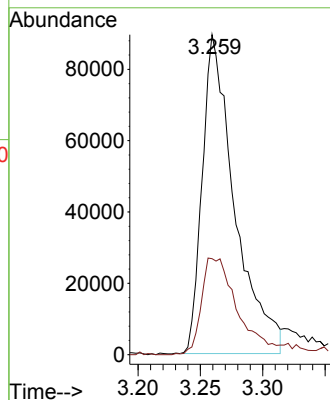
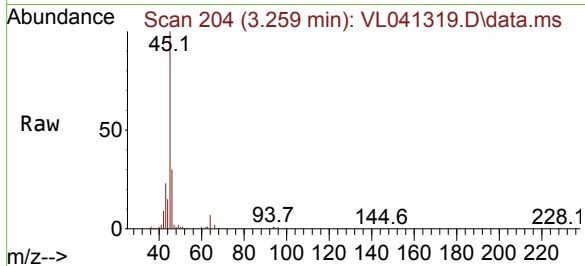




#13
Ethanol
Concen: 12.633 ppbv
RT: 3.259 min Scan# 204
Delta R.T. -0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

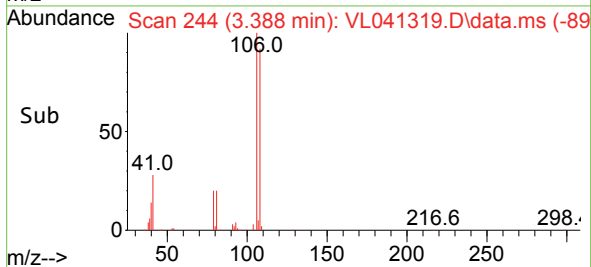
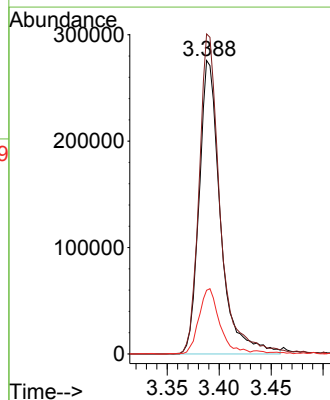
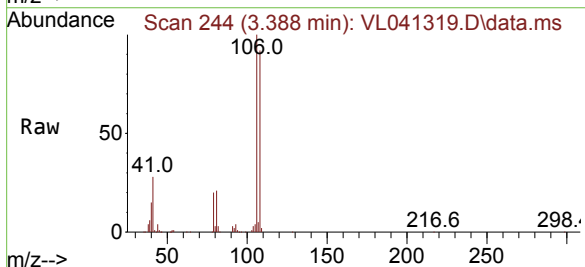
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

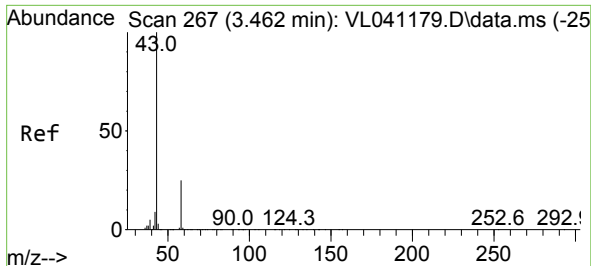
Tgt Ion: 45 Resp: 161570
Ion Ratio Lower Upper
45 100
46 37.8 14.2 56.6



#14
Bromoethene
Concen: 10.733 ppbv
RT: 3.388 min Scan# 244
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 108 Resp: 393383
Ion Ratio Lower Upper
108 100
106 108.7 85.4 128.0
79 23.5 17.8 26.8

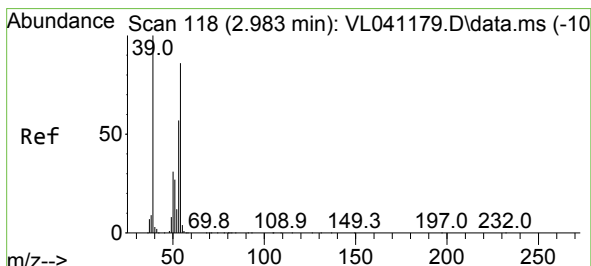
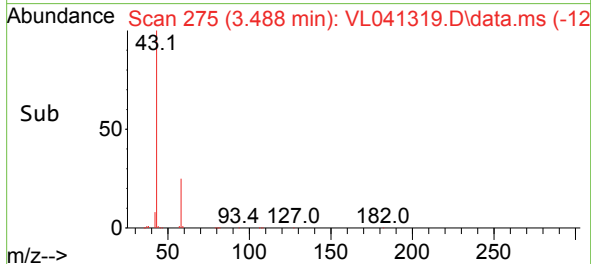
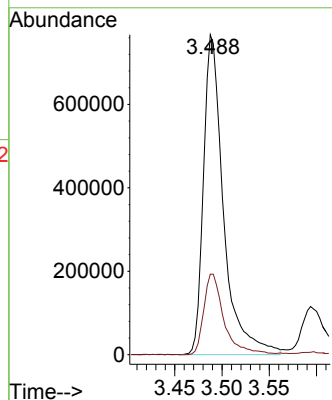
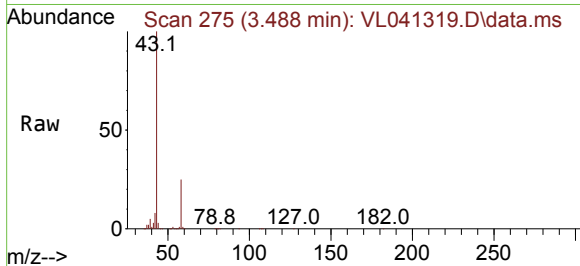




#15
Acetone
Concen: 11.360 ppbv
RT: 3.488 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

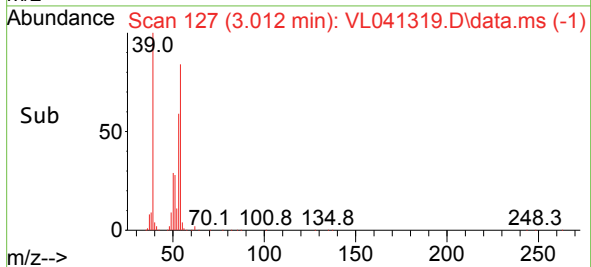
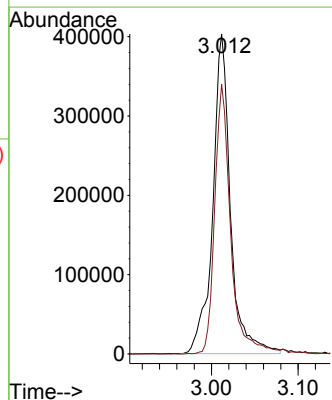
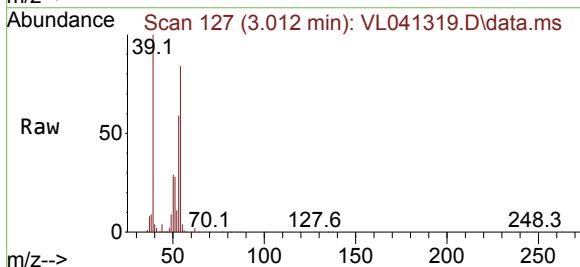
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

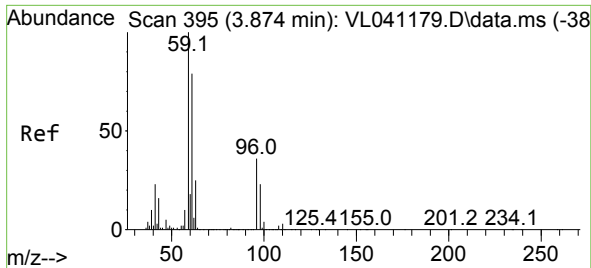
Tgt Ion: 43 Resp: 1132796
Ion Ratio Lower Upper
43 100
58 25.6 20.6 31.0



#16
1,3-Butadiene
Concen: 11.432 ppbv
RT: 3.012 min Scan# 127
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 39 Resp: 573041
Ion Ratio Lower Upper
39 100
54 76.9 60.5 90.7

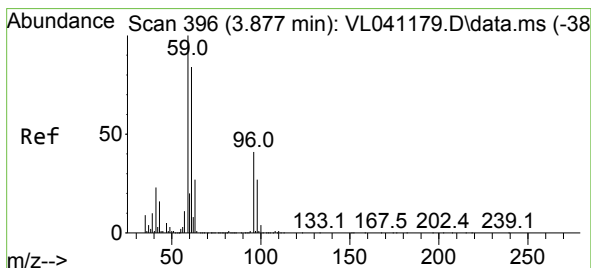
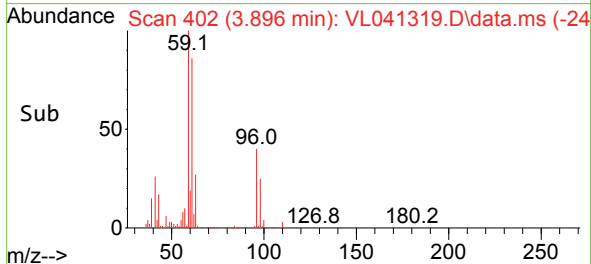
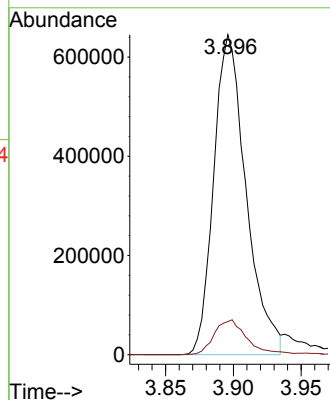
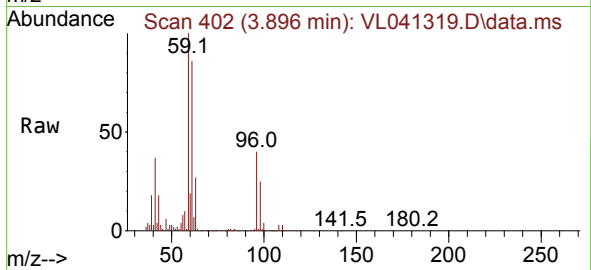




#17
tert-Butyl alcohol
Concen: 11.674 ppbv
RT: 3.896 min Scan# 402
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

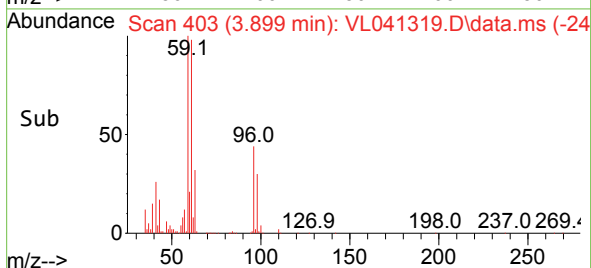
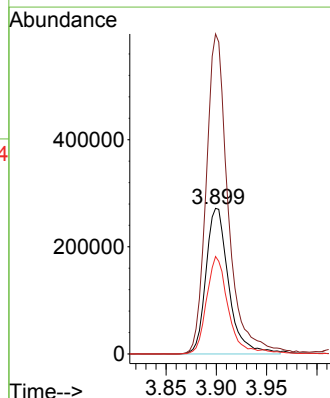
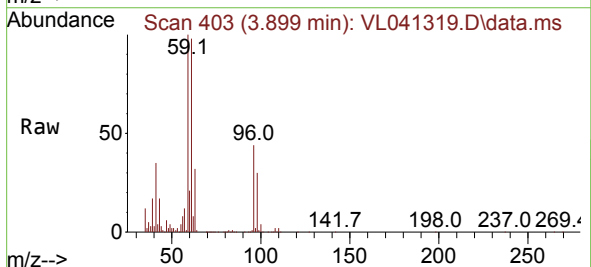
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

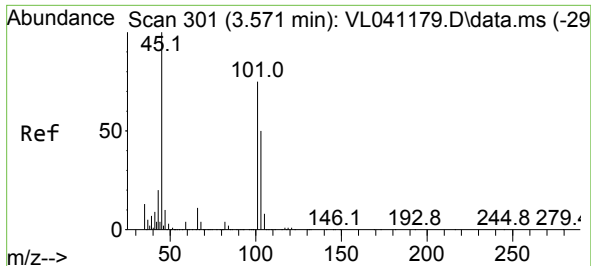
Tgt Ion: 59 Resp: 1071727
Ion Ratio Lower Upper
59 100
57 11.5 9.0 13.4



#18
1,1-Dichloroethene
Concen: 11.075 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 96 Resp: 427856
Ion Ratio Lower Upper
96 100
61 219.7 171.8 257.8
98 67.0 53.1 79.7

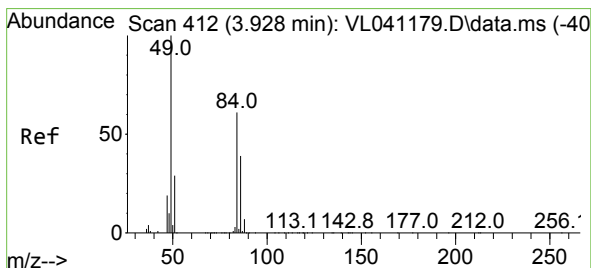
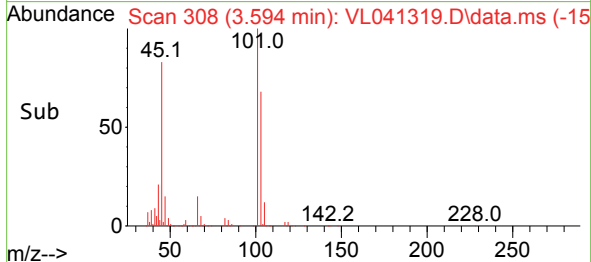
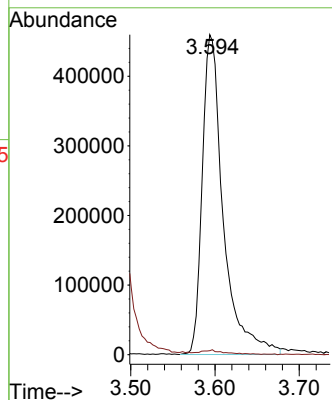
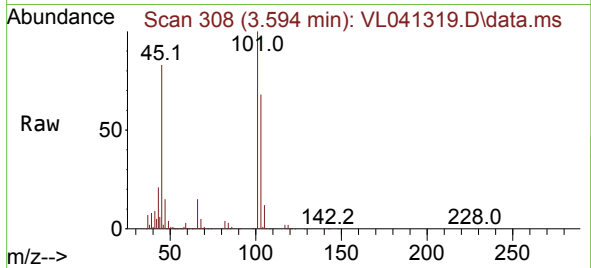




#19
Isopropyl Alcohol
Concen: 12.768 ppbv
RT: 3.594 min Scan# 301
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

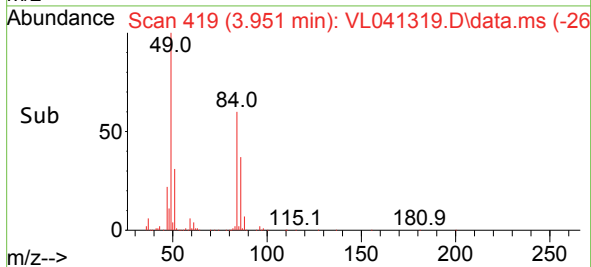
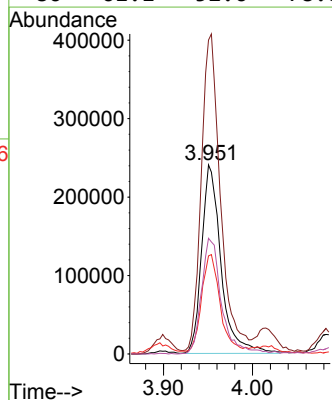
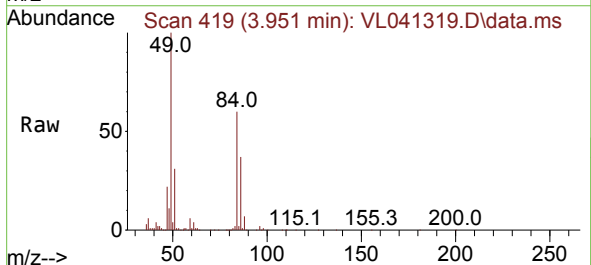
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

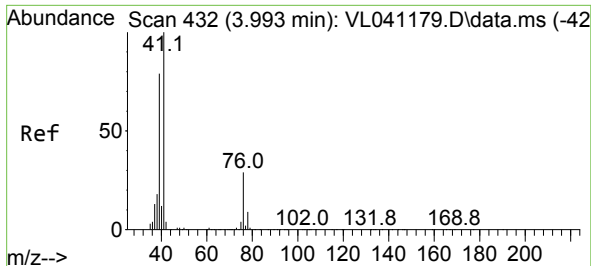
Tgt Ion: 45 Resp: 799911
Ion Ratio Lower Upper
45 100
58 1.8 1.4 2.2



#20
Methylene Chloride
Concen: 10.068 ppbv
RT: 3.951 min Scan# 419
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 84 Resp: 364892
Ion Ratio Lower Upper
84 100
49 164.5 136.2 204.2
51 50.6 41.9 62.9
86 61.1 52.6 78.8





#21

Allyl Chloride

Concen: 11.737 ppbv

RT: 4.015 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

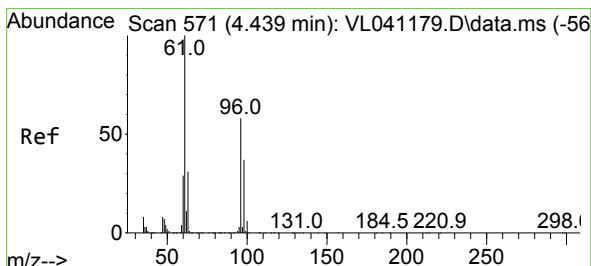
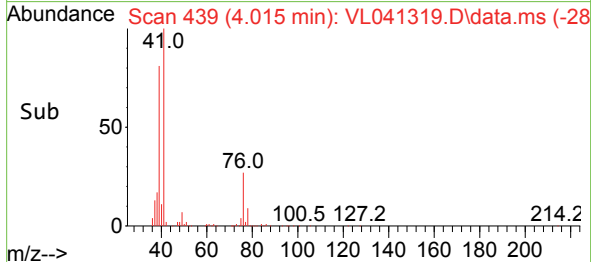
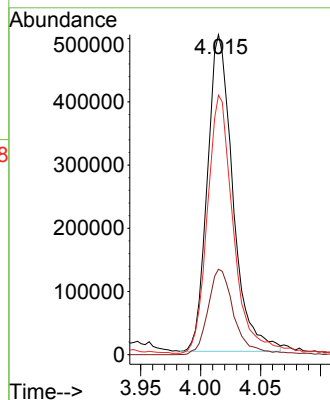
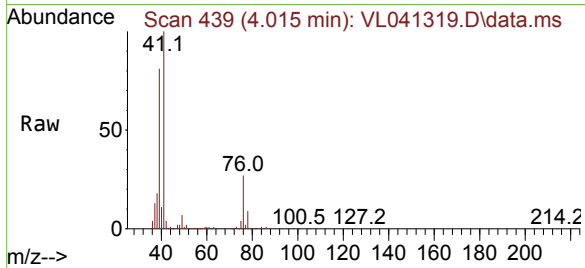
Tgt Ion: 41 Resp: 741417

Ion Ratio Lower Upper

41 100

76 28.1 22.3 33.5

39 84.7 66.3 99.5



#22

trans-1,2-Dichloroethene

Concen: 10.937 ppbv

RT: 4.462 min Scan# 578

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

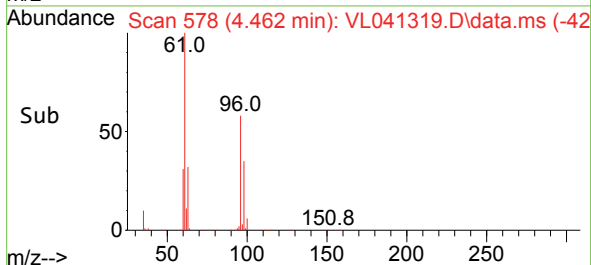
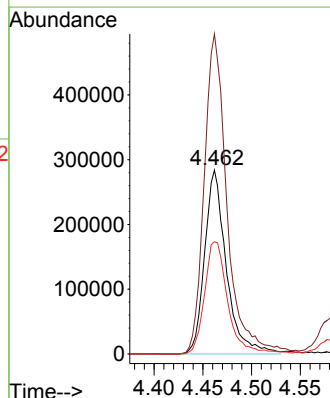
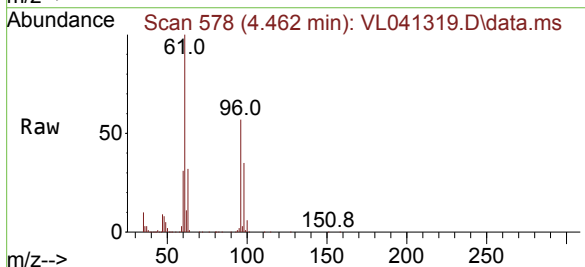
Tgt Ion: 96 Resp: 440316

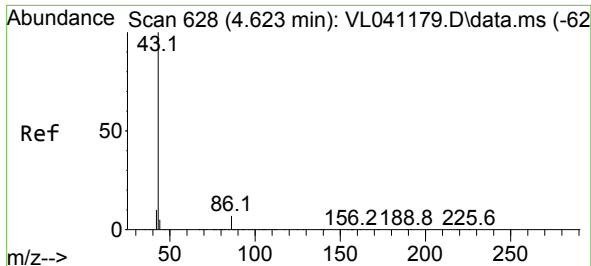
Ion Ratio Lower Upper

96 100

61 173.9 135.5 203.3

98 60.9 47.6 71.4



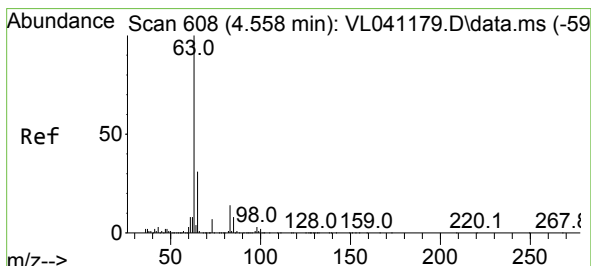
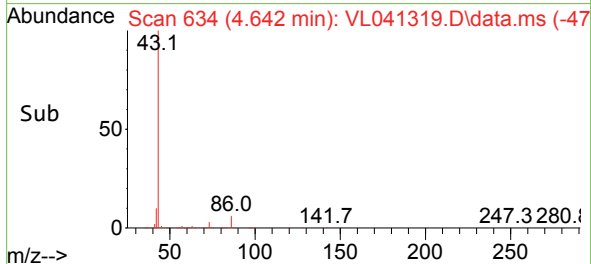
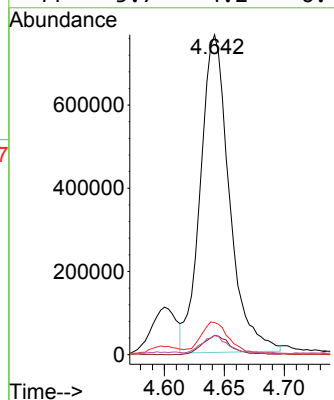
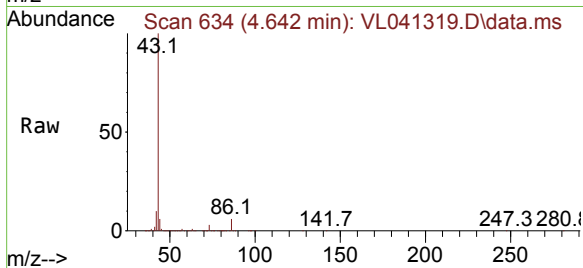


#23
 Vinyl Acetate
 Concen: 12.564 ppbv
 RT: 4.642 min Scan# 615
 Delta R.T. 0.003 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1281340

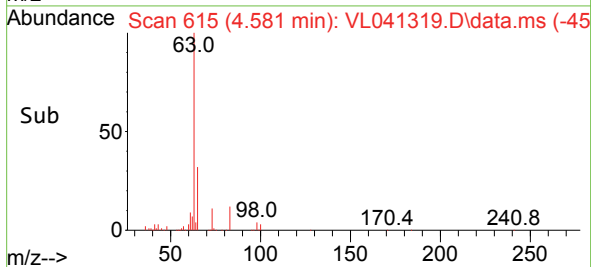
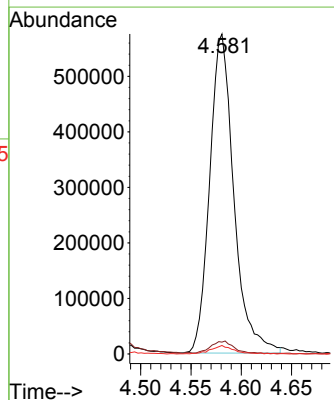
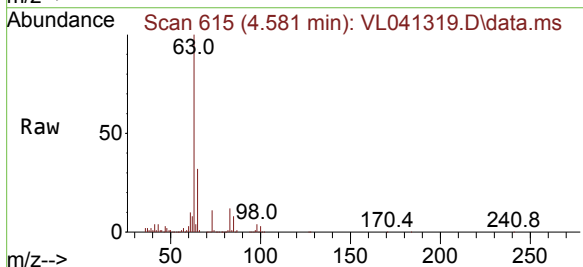
Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.7	7.1
42	9.8	8.0	12.0
44	5.7	4.2	6.4

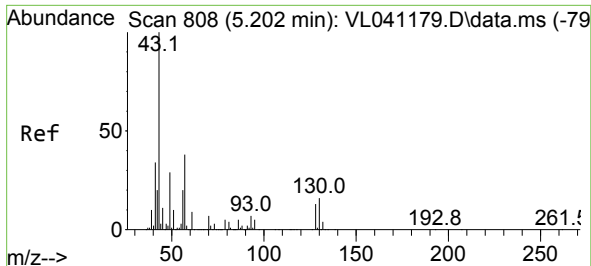


#24
 1,1-Dichloroethane
 Concen: 10.729 ppbv
 RT: 4.581 min Scan# 615
 Delta R.T. 0.003 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion: 63 Resp: 962496

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.9	5.7
100	2.6	1.1	3.5



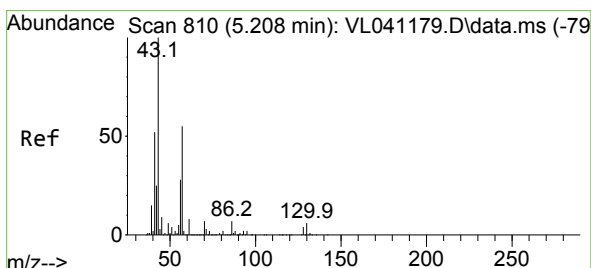
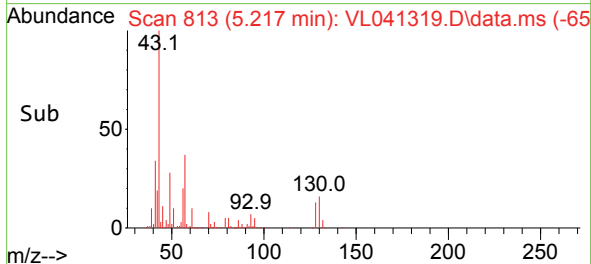
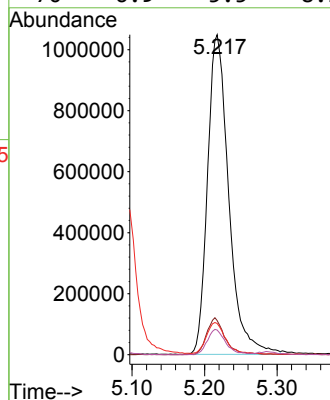
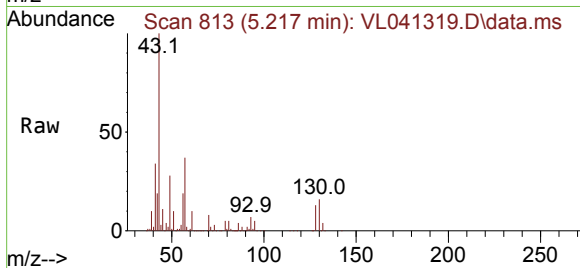


#25
Ethyl Acetate
Concen: 10.782 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2126892

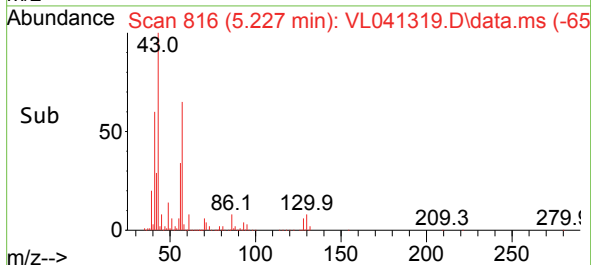
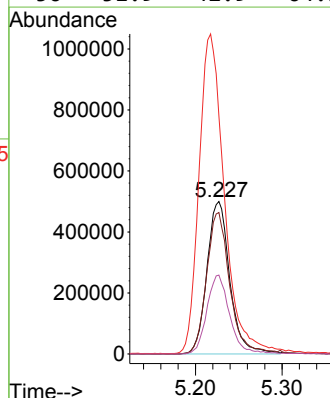
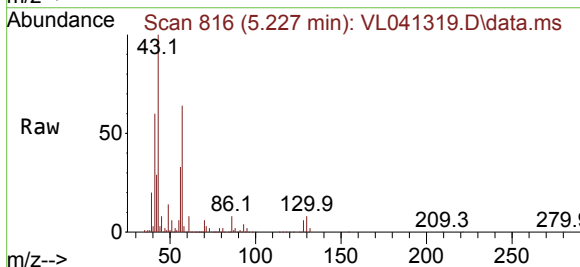
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.4	7.4	11.0
70	6.9	5.5	8.3

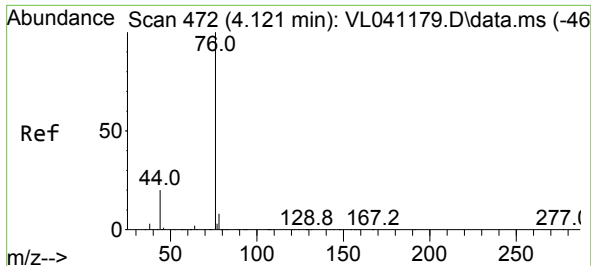


#26
Hexane
Concen: 10.351 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 57 Resp: 918252

Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.1	115.7
43	233.7	186.1	279.1
56	51.9	42.9	64.3

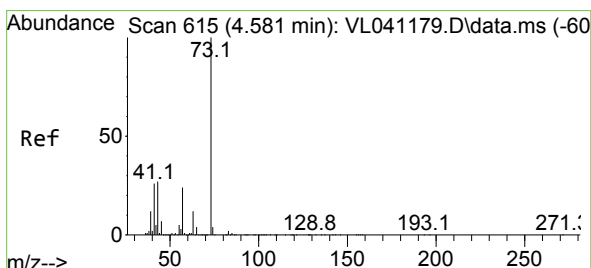
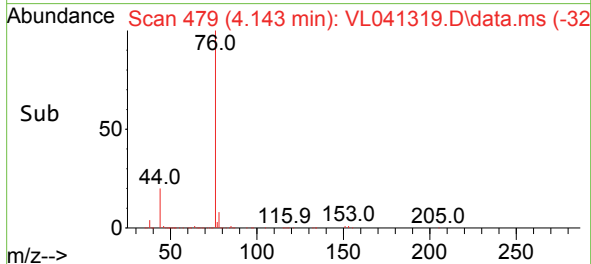
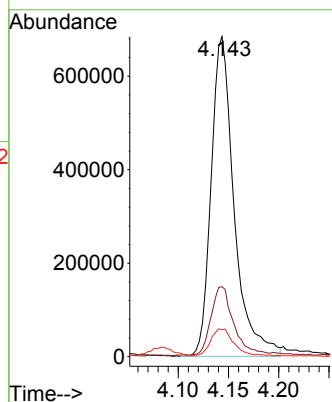
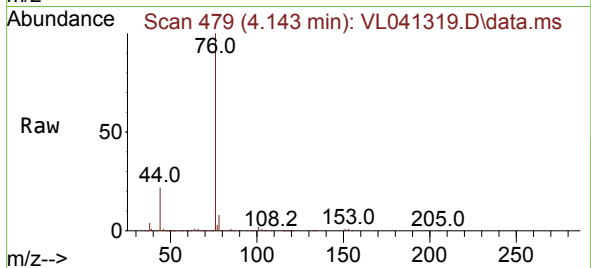




#27
Carbon Disulfide
Concen: 11.080 ppbv
RT: 4.143 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

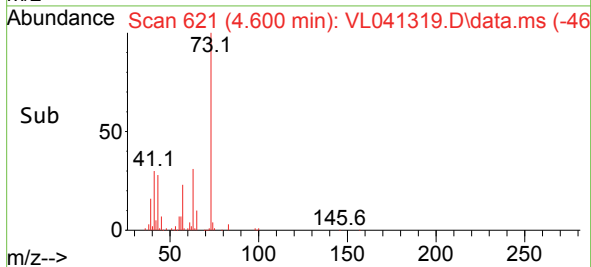
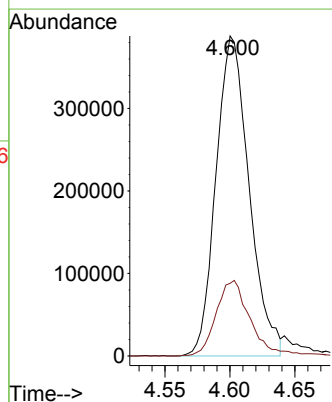
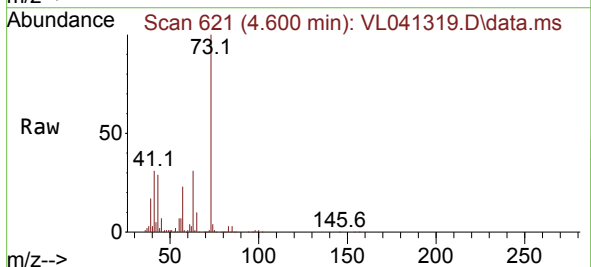
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

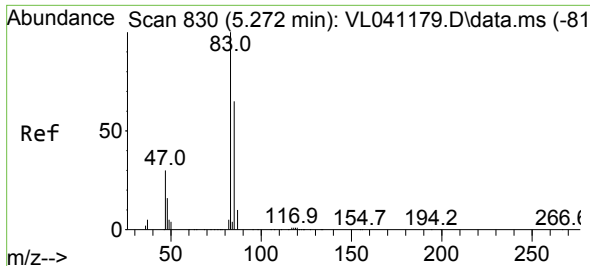
Tgt Ion: 76 Resp: 1088760
Ion Ratio Lower Upper
76 100
44 22.2 17.7 26.5
78 9.9 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 10.453 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 73 Resp: 687274
Ion Ratio Lower Upper
73 100
57 24.7 19.2 28.8

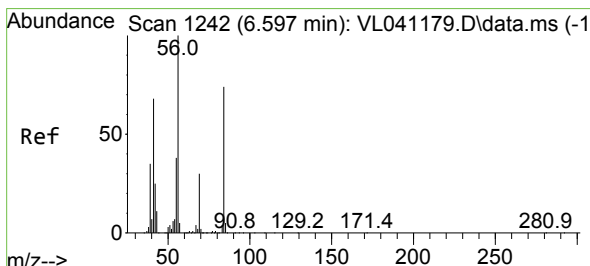
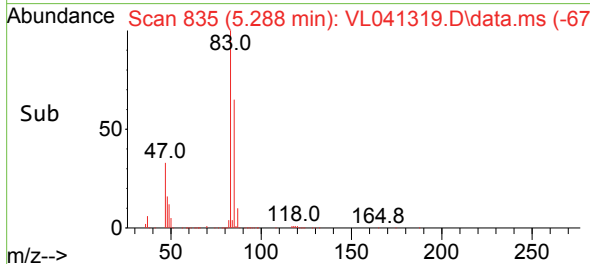
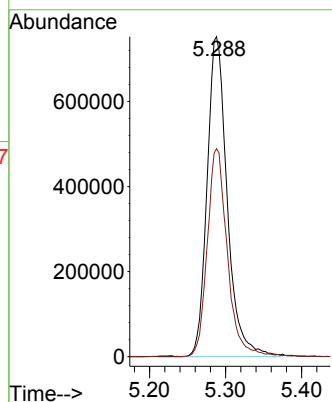
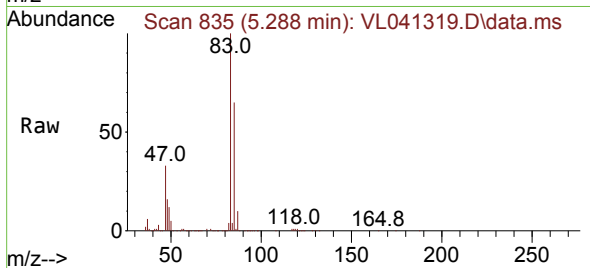




#29
Chloroform
Concen: 10.159 ppbv
RT: 5.288 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

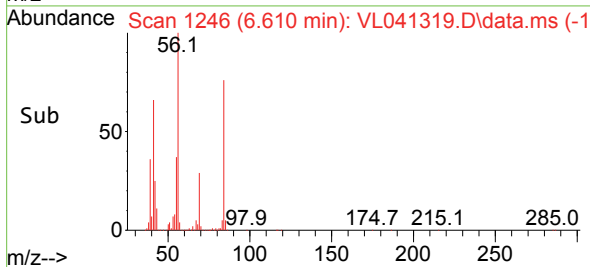
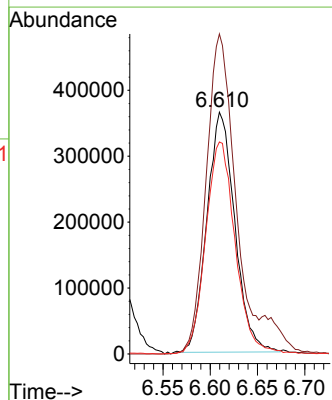
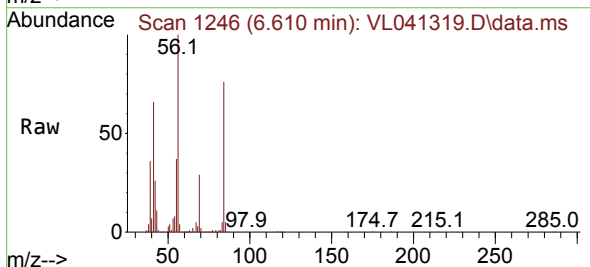
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

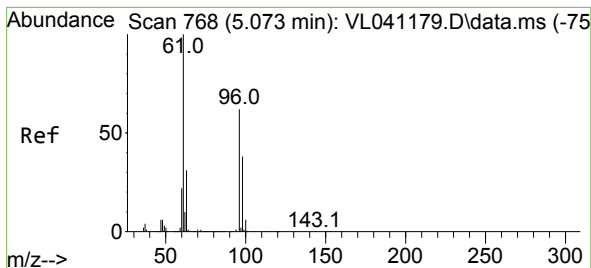
Tgt Ion: 83 Resp: 1382752
Ion Ratio Lower Upper
83 100
85 65.0 53.3 79.9



#30
Cyclohexane
Concen: 10.411 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 84 Resp: 748595
Ion Ratio Lower Upper
84 100
56 148.9 114.9 172.3
41 93.5 74.4 111.6





#31

cis-1,2-Dichloroethene

Concen: 10.899 ppbv

RT: 5.092 min Scan# 71

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

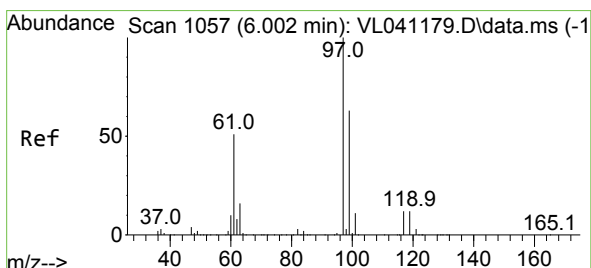
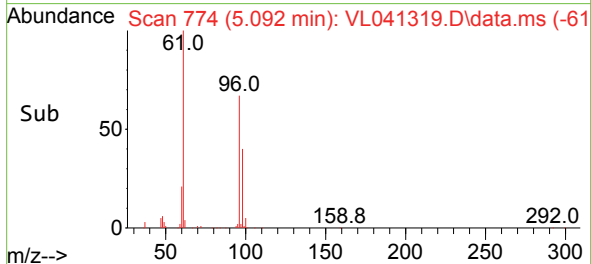
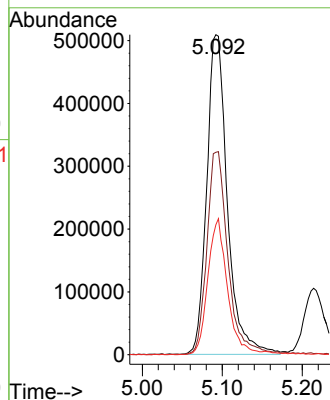
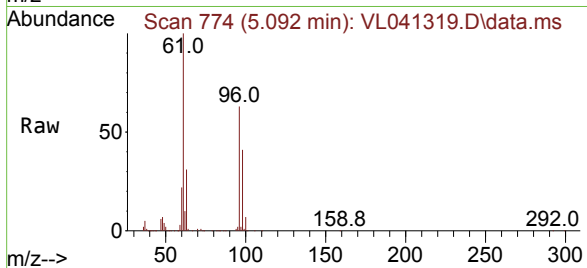
Tgt Ion: 61 Resp: 913682

Ion Ratio Lower Upper

61 100

96 63.2 52.1 78.1

98 40.6 33.1 49.7



#32

1,1,1-Trichloroethane

Concen: 10.596 ppbv

RT: 6.012 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

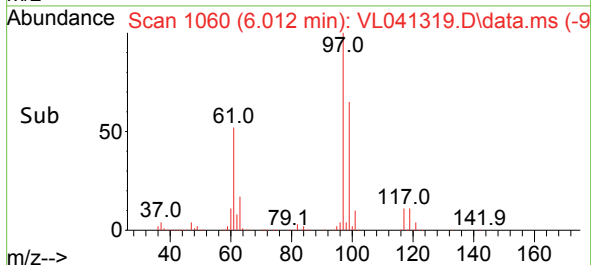
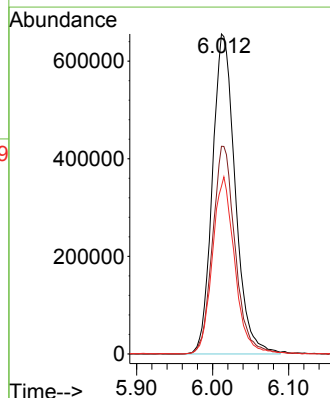
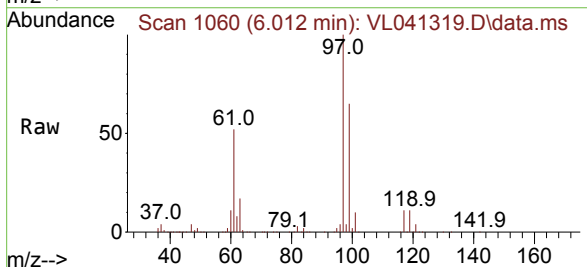
Tgt Ion: 97 Resp: 1366022

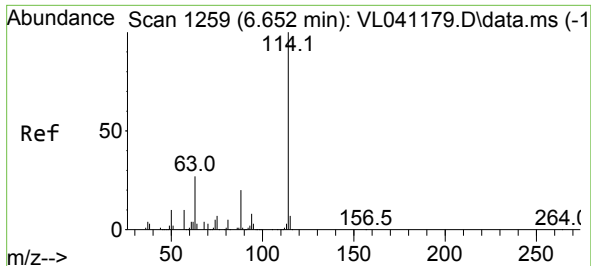
Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 53.9 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

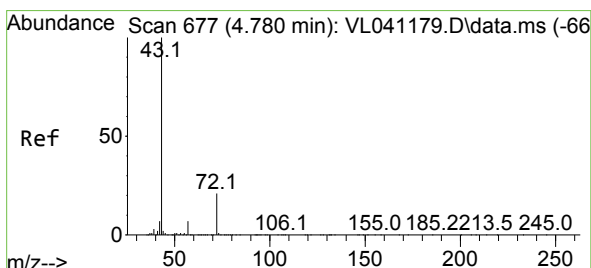
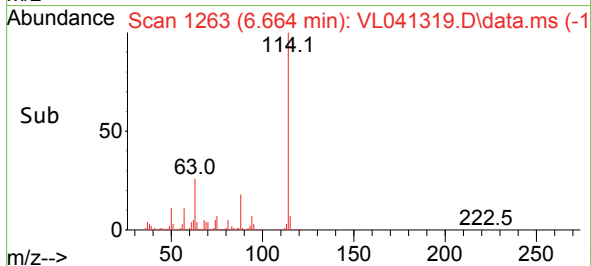
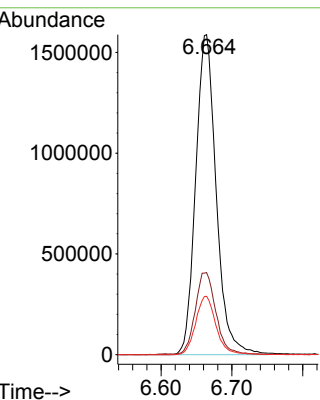
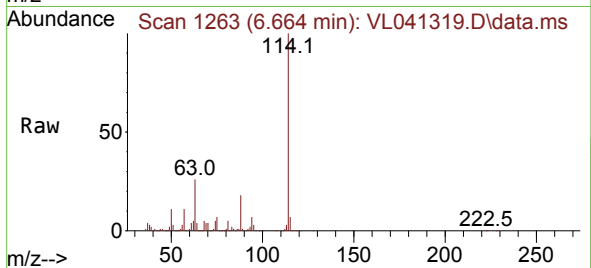
Tgt Ion:114 Resp: 3191965

Ion Ratio Lower Upper

114 100

63 26.3 20.6 30.8

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 7.832 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.003 min

Lab File: VL041319.D

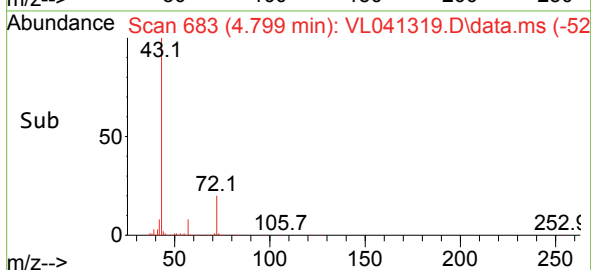
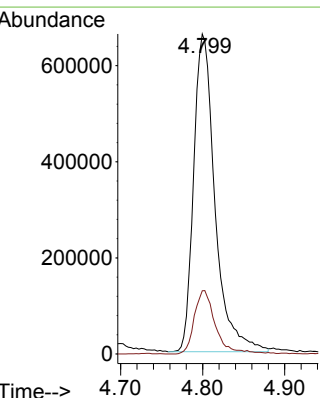
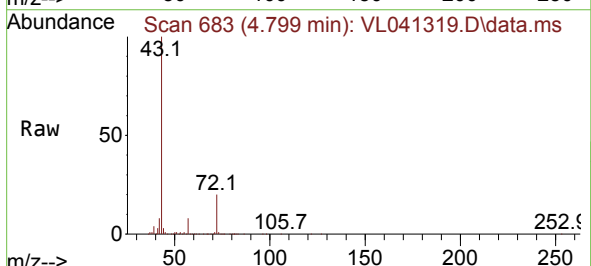
Acq: 5 Jun 2024 7:51

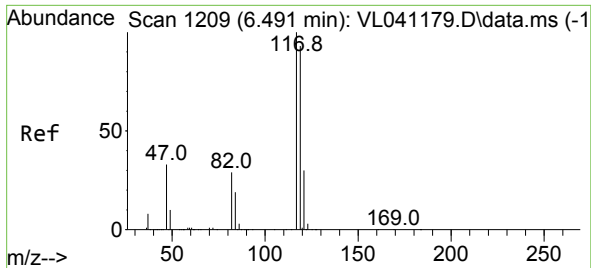
Tgt Ion: 43 Resp: 1197660

Ion Ratio Lower Upper

43 100

72 20.0 17.4 26.0

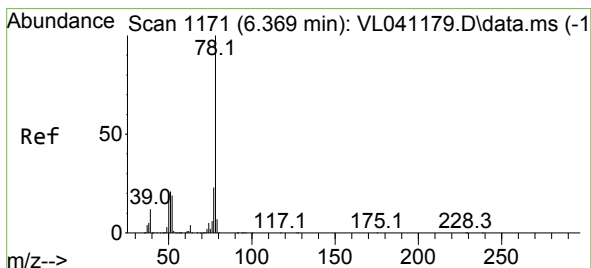
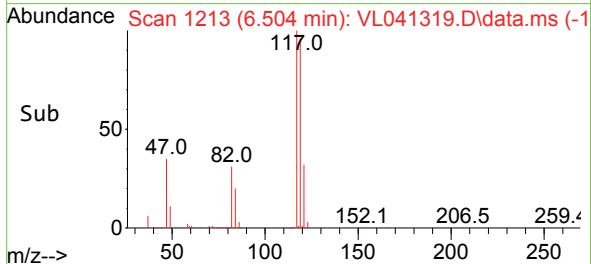
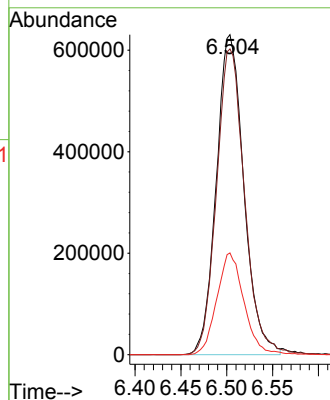
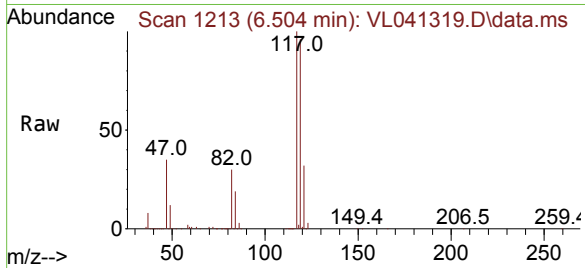




#35
Carbon Tetrachloride
Concen: 7.260 ppbv
RT: 6.504 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

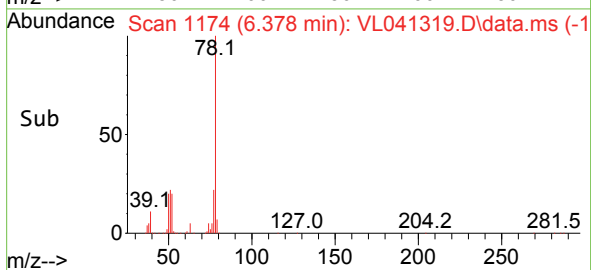
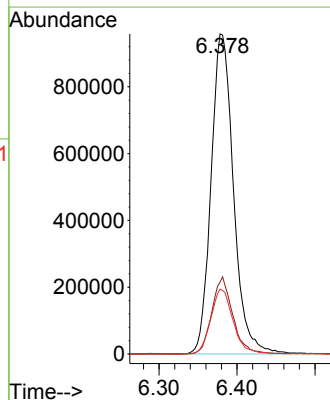
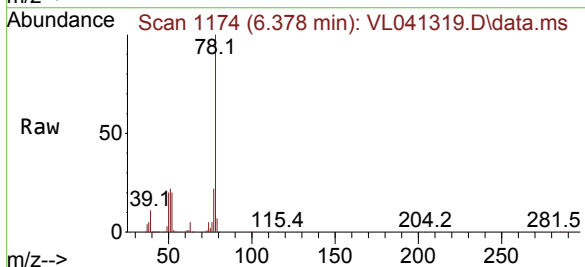
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

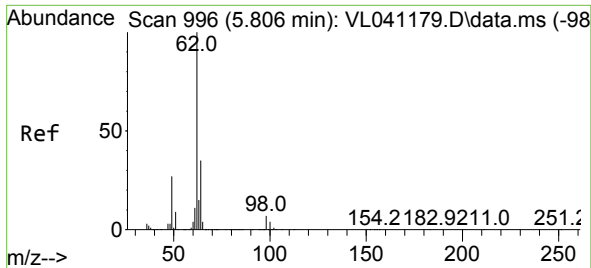
Tgt Ion:117 Resp: 1317097
Ion Ratio Lower Upper
117 100
119 95.6 74.0 111.0
121 31.8 24.8 37.2



#36
Benzene
Concen: 7.732 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 78 Resp: 1913043
Ion Ratio Lower Upper
78 100
77 22.4 18.6 28.0
50 20.2 16.0 24.0

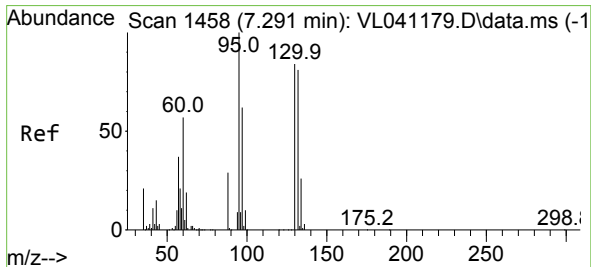
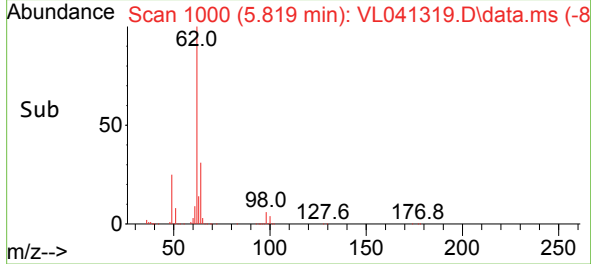
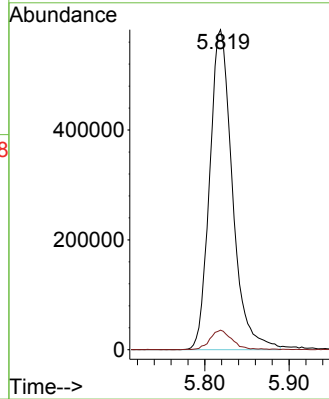
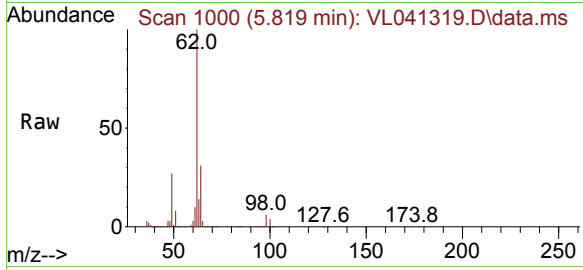




#37
1,2-Dichloroethane
Concen: 7.584 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

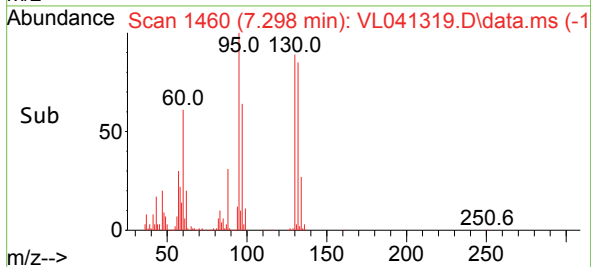
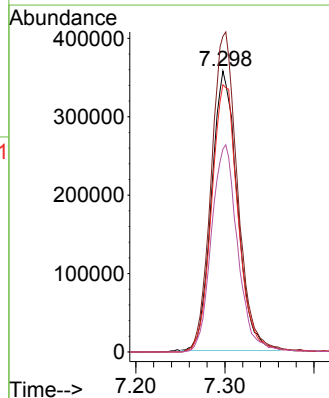
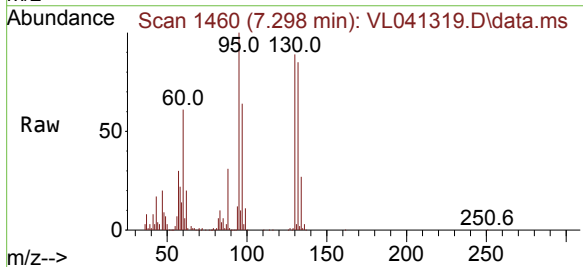
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

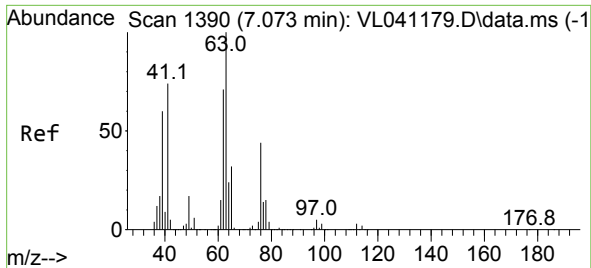
Tgt Ion: 62 Resp: 1093919
Ion Ratio Lower Upper
62 100
98 6.0 4.8 7.2



#38
Trichloroethene
Concen: 7.124 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 130 Resp: 714323
Ion Ratio Lower Upper
130 100
95 112.9 94.0 141.0
132 95.6 76.7 115.1
97 72.5 59.8 89.8





#39

1,2-Dichloropropane

Concen: 7.490 ppbv

RT: 7.079 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

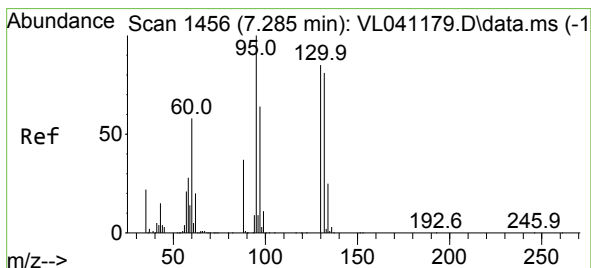
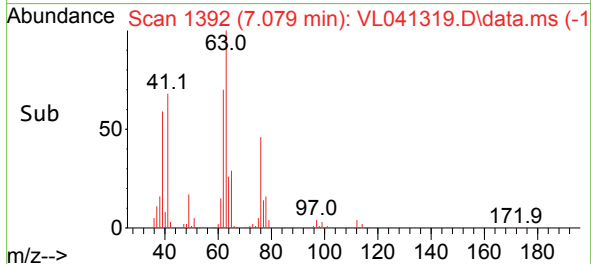
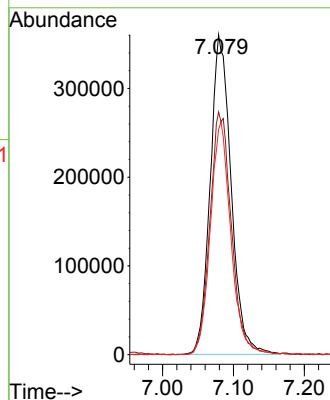
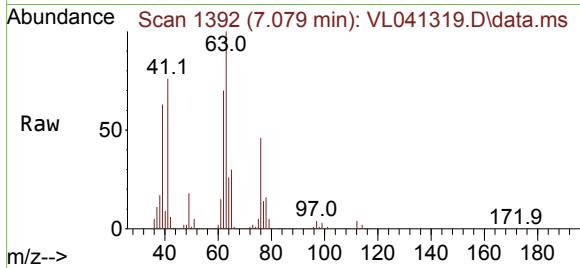
Tgt Ion: 63 Resp: 737886

Ion Ratio Lower Upper

63 100

41 75.9 59.9 89.9

62 70.4 53.8 80.6



#40

1,4-Dioxane

Concen: 7.990 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. -0.004 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Tgt Ion: 88 Resp: 288278

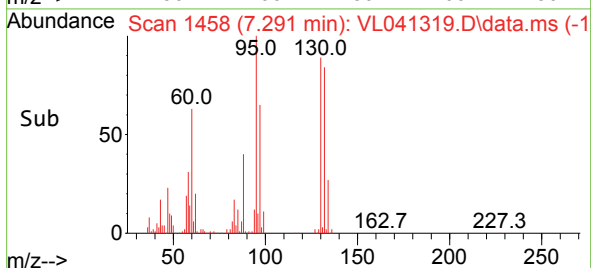
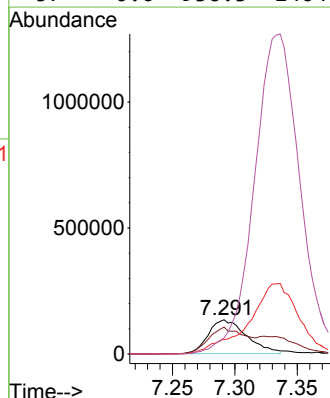
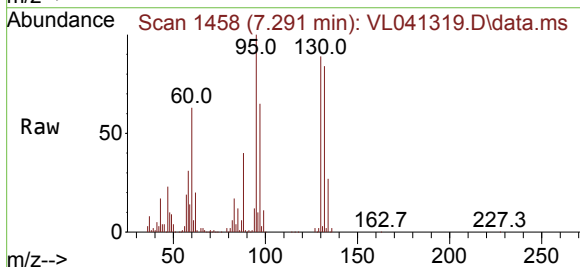
Ion Ratio Lower Upper

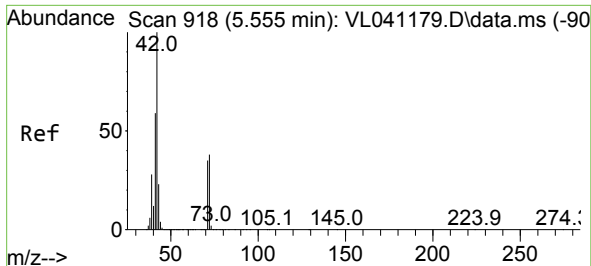
88 100

58 130.9 107.5 161.3

43 0.0 221.8 332.6#

57 0.0 936.3 1404.5#

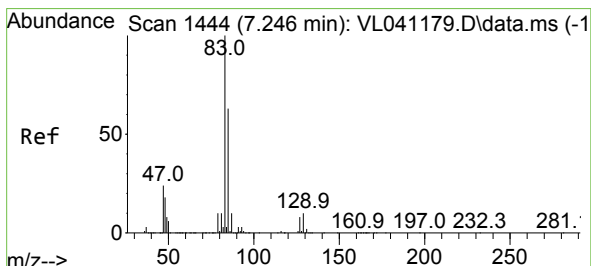
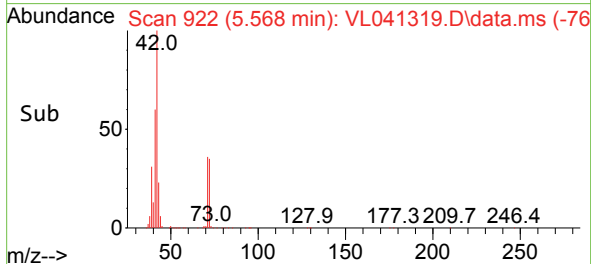
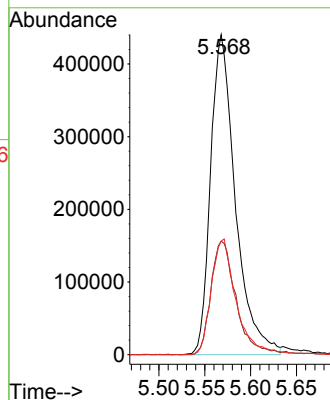
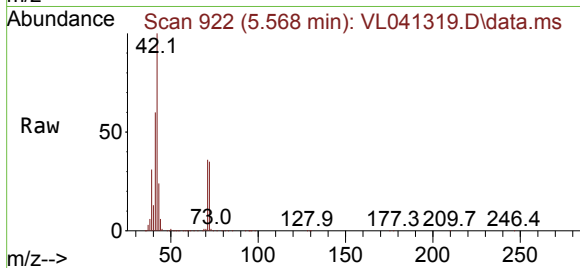




#41
Tetrahydrofuran
Concen: 8.322 ppbv
RT: 5.568 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

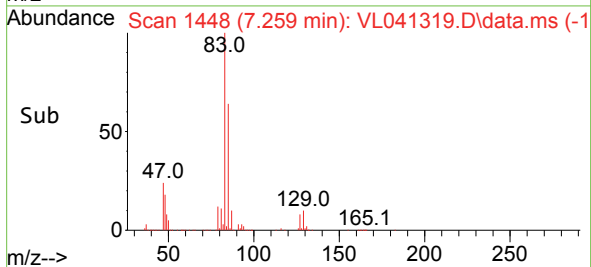
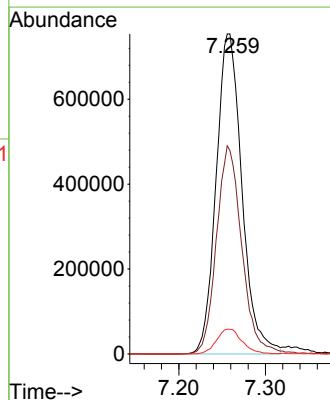
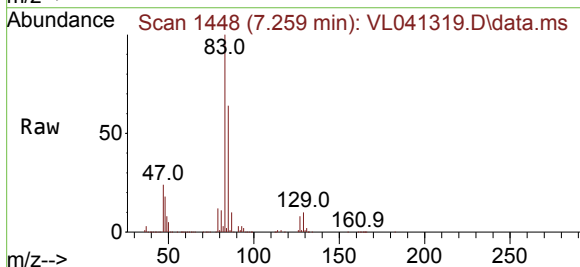
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

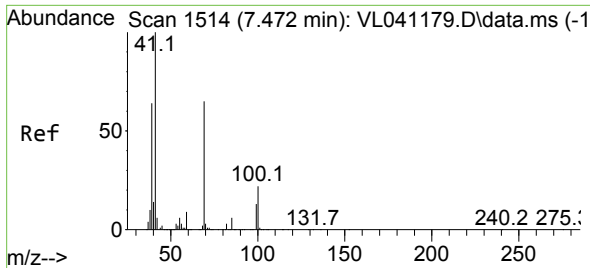
Tgt Ion: 42 Resp: 828020
Ion Ratio Lower Upper
42 100
72 36.7 30.2 45.4
71 36.7 30.3 45.5



#42
Bromodichloromethane
Concen: 7.522 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 83 Resp: 1558229
Ion Ratio Lower Upper
83 100
85 63.6 50.6 75.8
127 7.7 5.6 8.4

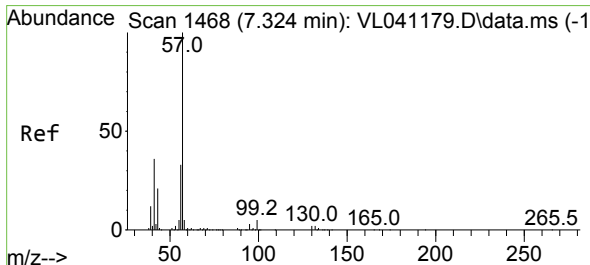
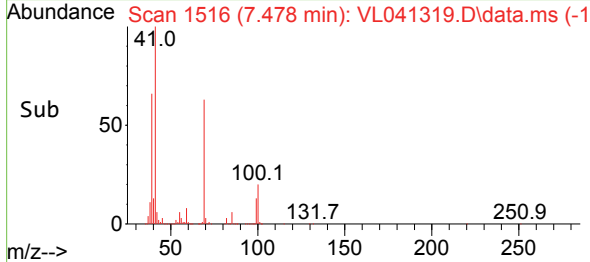
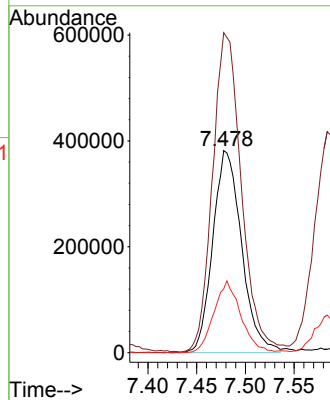
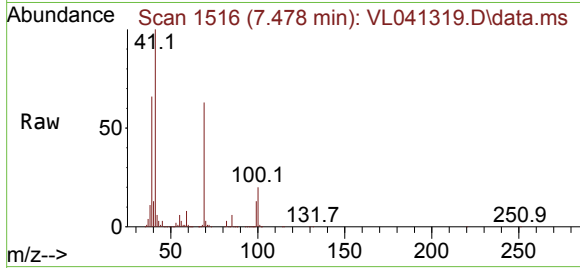




#43
Methyl Methacrylate
Concen: 8.330 ppbv
RT: 7.478 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

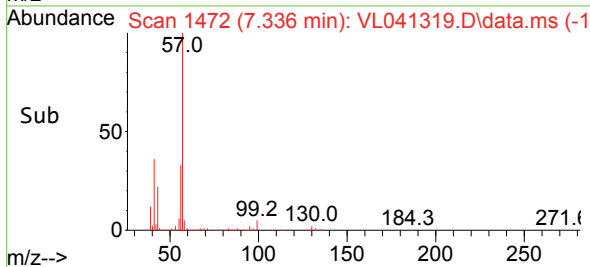
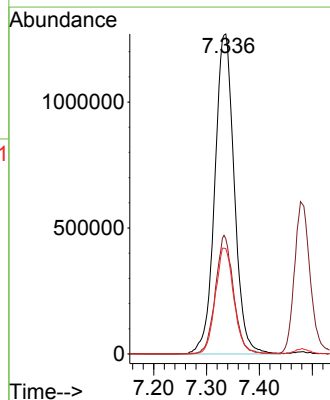
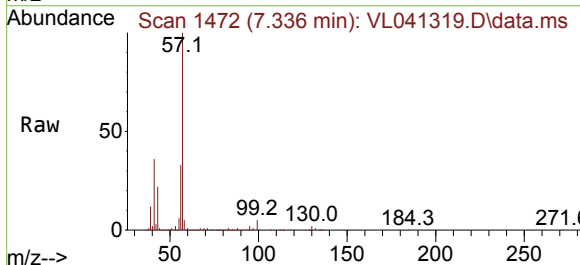
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

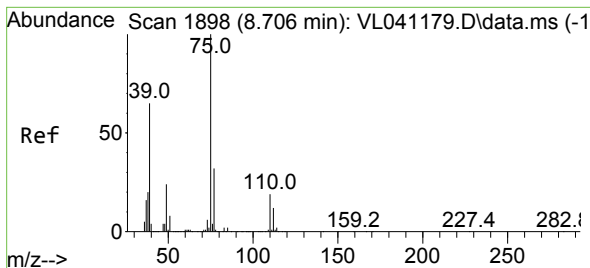
Tgt Ion: 69 Resp: 785223
Ion Ratio Lower Upper
69 100
41 159.4 125.8 188.6
100 33.6 27.0 40.6



#44
2,2,4-Trimethylpentane
Concen: 7.644 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 57 Resp: 3252343
Ion Ratio Lower Upper
57 100
41 34.6 29.4 44.2
56 31.6 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 13.690 ppbv

RT: 8.716 min Scan# 1898

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

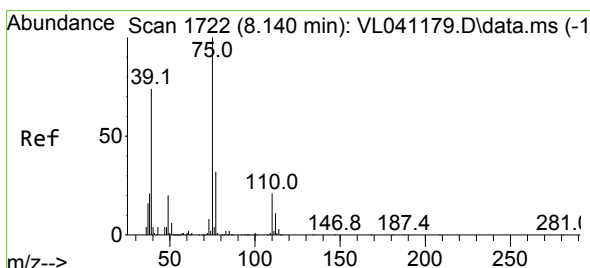
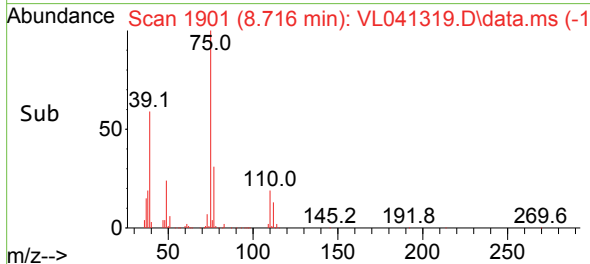
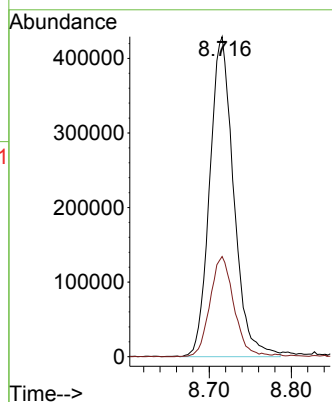
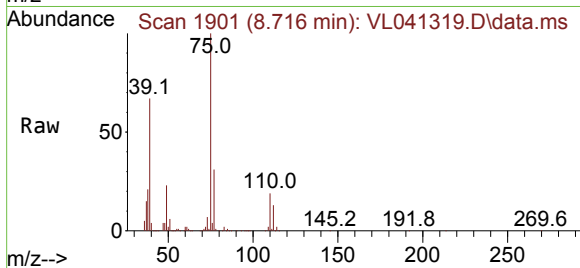
VSTDCCC010

Tgt Ion: 75 Resp: 870797

Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 13.299 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

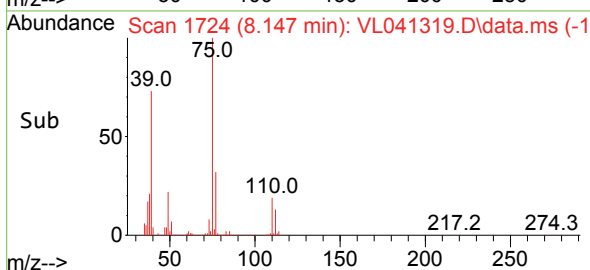
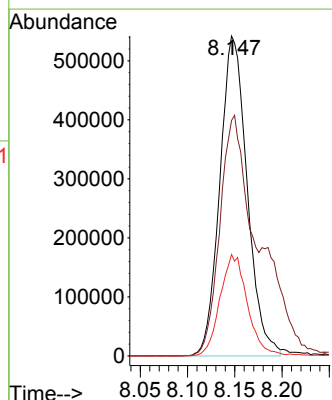
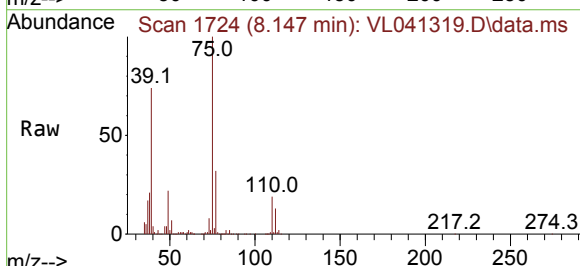
Tgt Ion: 75 Resp: 1088948

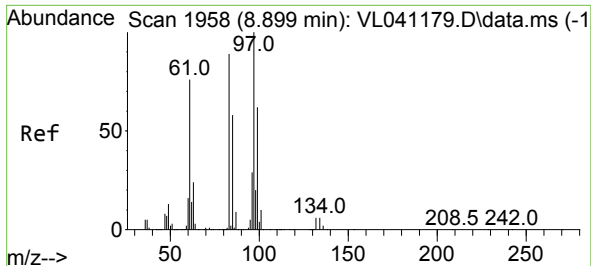
Ion Ratio Lower Upper

75 100

39 73.5 59.2 88.8

77 31.7 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 7.641 ppbv

RT: 8.902 min Scan# 1959

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 786615

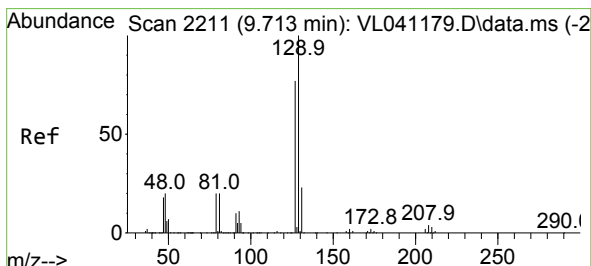
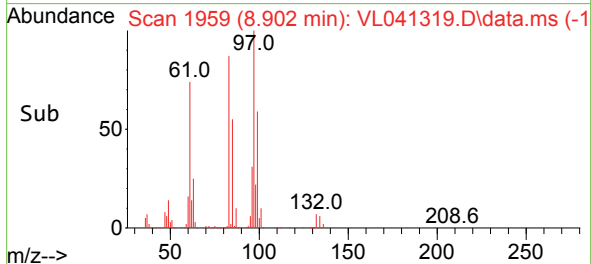
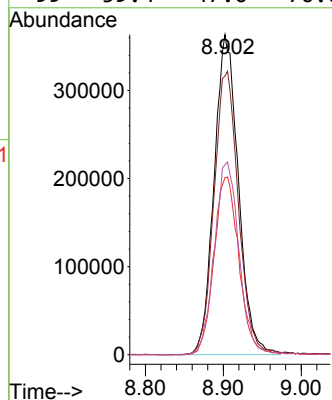
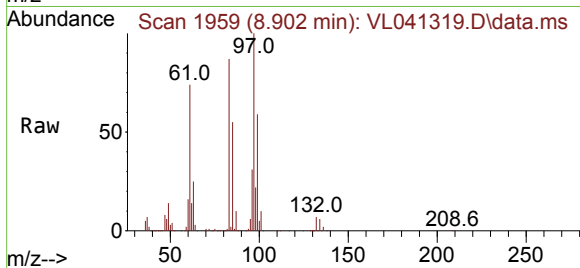
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 55.2 43.1 64.7

99 59.4 47.0 70.6



#48

Dibromochloromethane

Concen: 7.715 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. 0.006 min

Lab File: VL041319.D

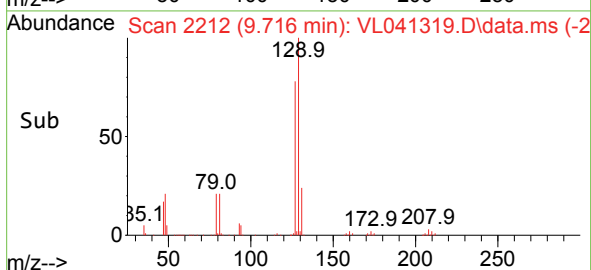
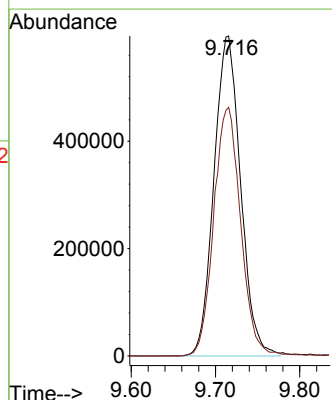
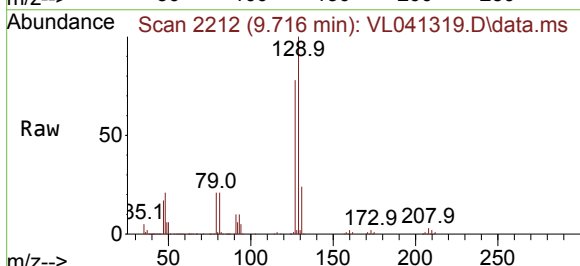
Acq: 5 Jun 2024 7:51

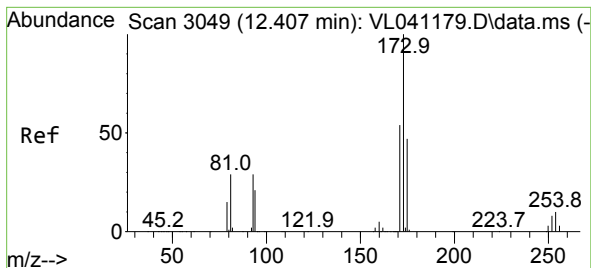
Tgt Ion: 129 Resp: 1308870

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.5





#49

Bromoform

Concen: 7.953 ppbv

RT: 12.407 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

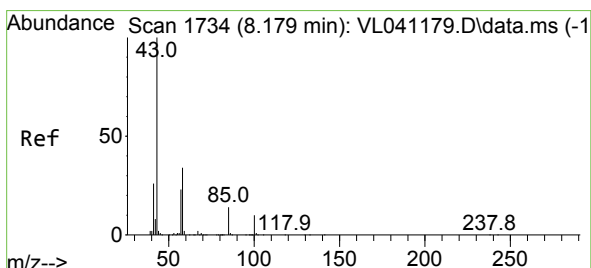
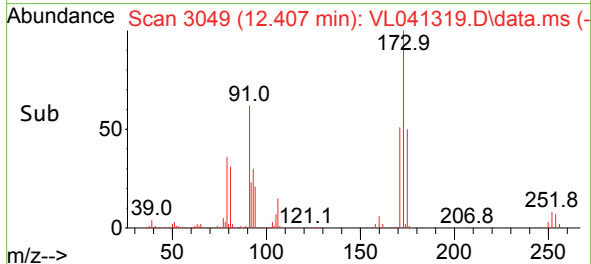
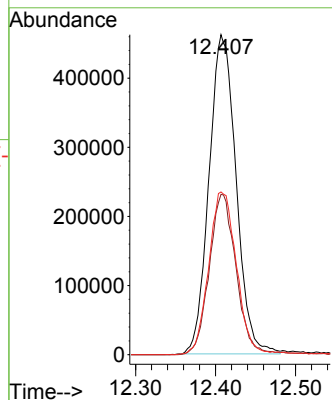
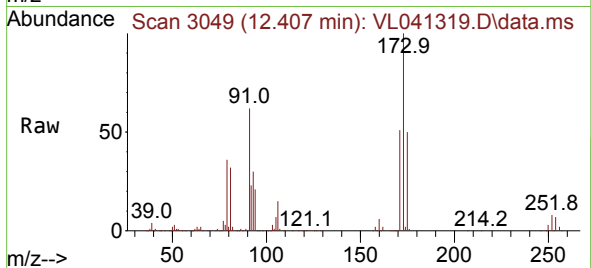
Tgt Ion:173 Resp: 1087317

Ion Ratio Lower Upper

173 100

175 50.3 39.9 59.9

171 53.2 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 8.481 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VL041319.D

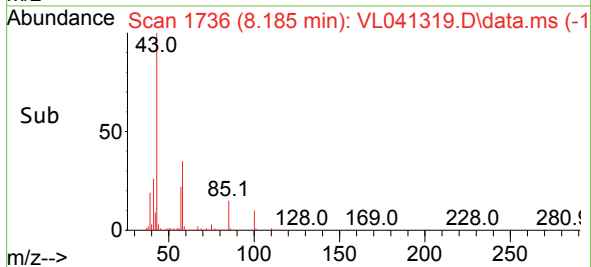
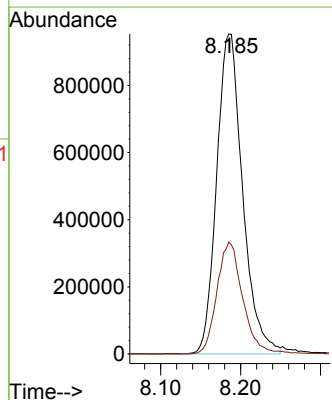
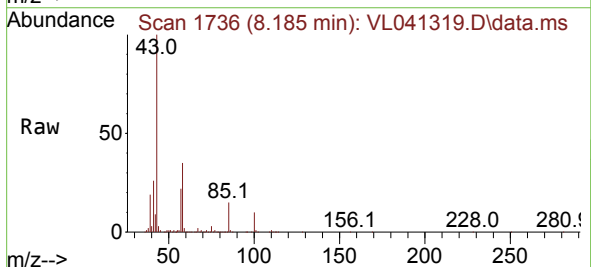
Acq: 5 Jun 2024 7:51

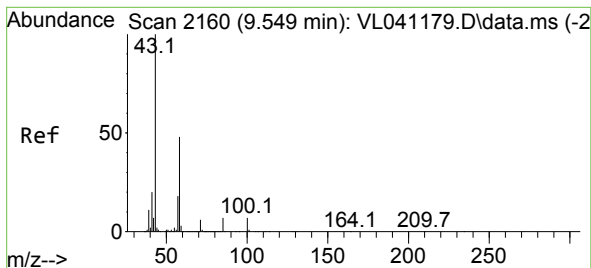
Tgt Ion: 43 Resp: 2146774

Ion Ratio Lower Upper

43 100

58 35.0 27.7 41.5

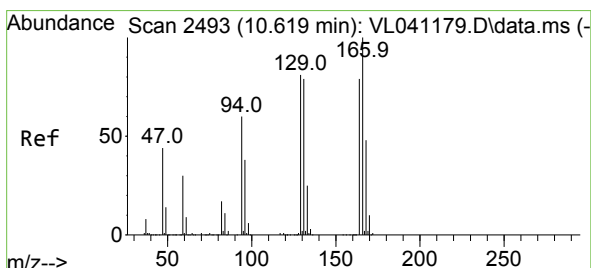
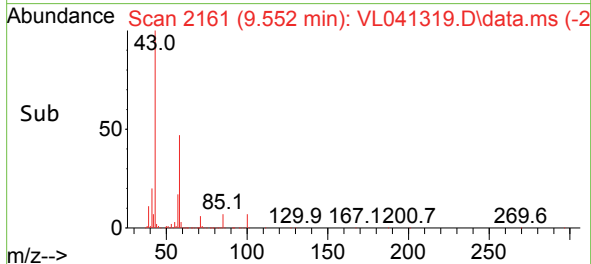
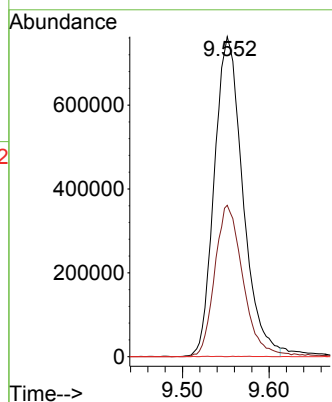
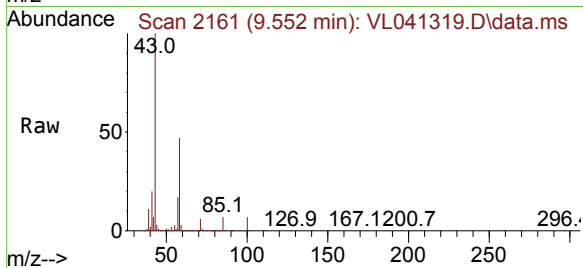




#51
2-Hexanone
Concen: 9.682 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

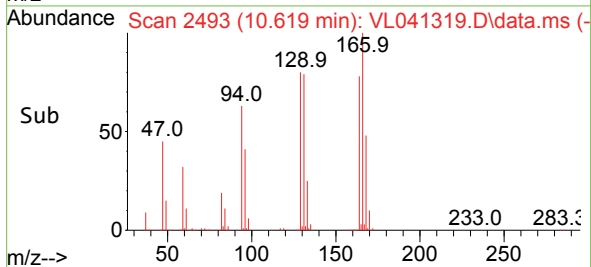
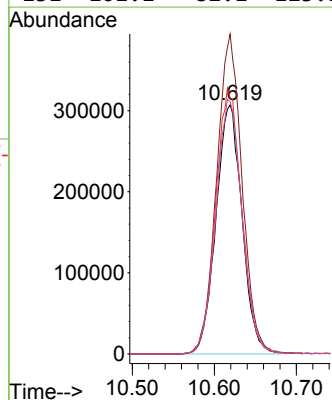
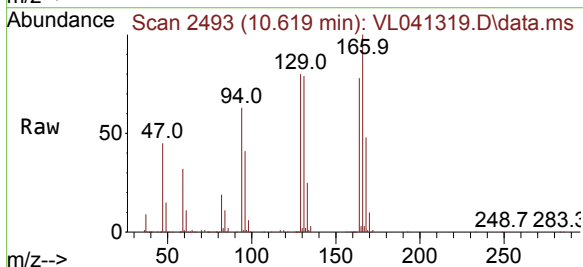
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

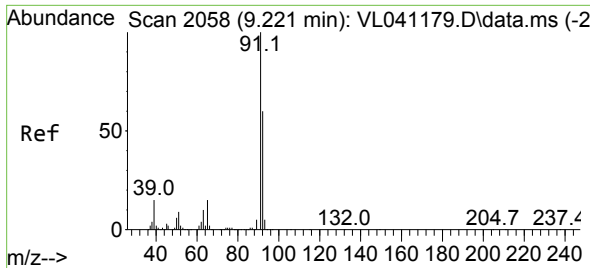
Tgt Ion: 43 Resp: 1741975
Ion Ratio Lower Upper
43 100
58 47.9 37.4 56.0
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 7.492 ppbv
RT: 10.619 min Scan# 2493
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 164 Resp: 675997
Ion Ratio Lower Upper
164 100
166 128.5 99.4 149.0
129 102.6 85.4 128.2
131 101.1 82.1 123.1

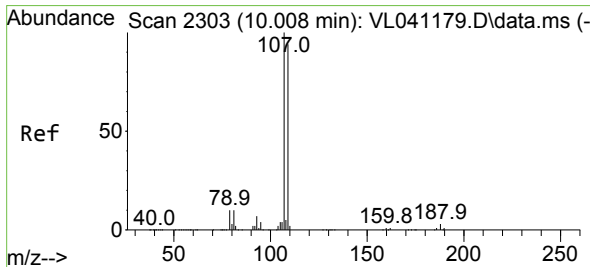
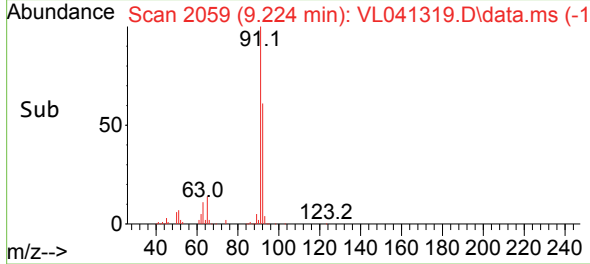
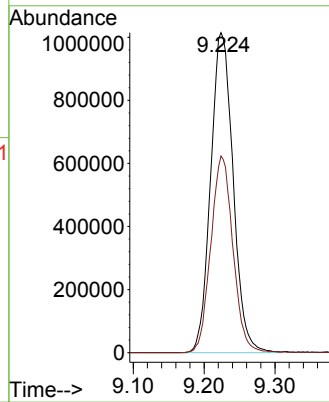
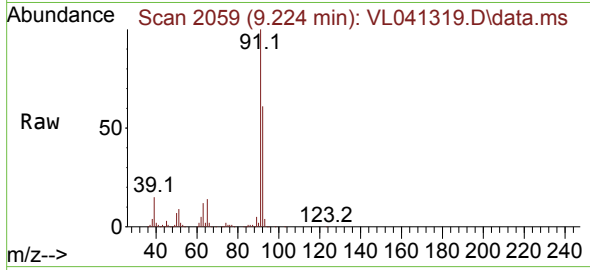




#53
Toluene
Concen: 7.842 ppbv
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

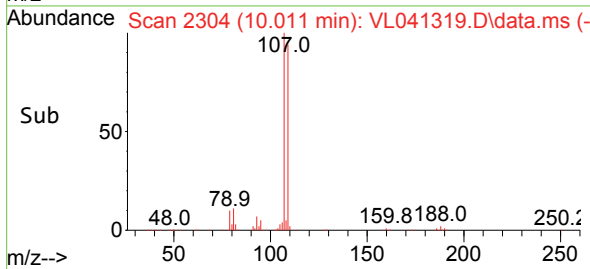
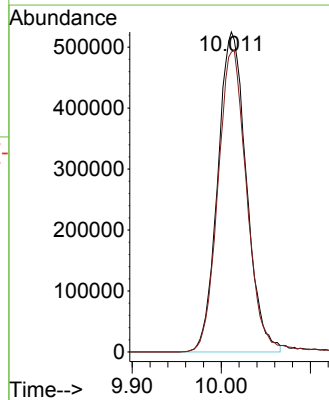
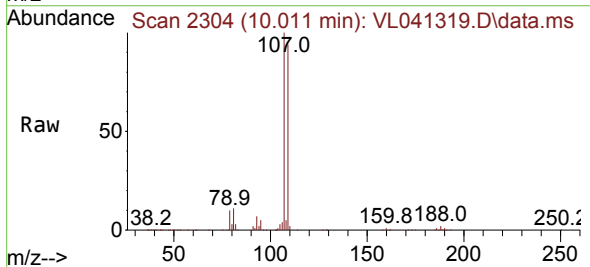
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

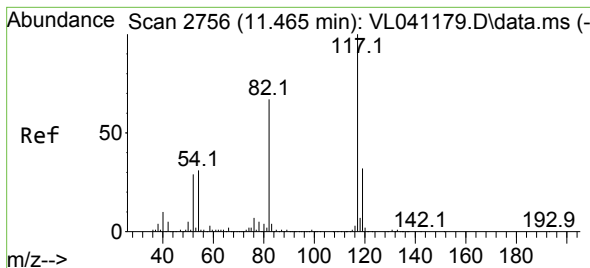
Tgt Ion: 91 Resp: 2231828
Ion Ratio Lower Upper
91 100
92 60.8 49.2 73.8



#54
1,2-Dibromoethane
Concen: 8.729 ppbv
RT: 10.011 min Scan# 2304
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 107 Resp: 1171498
Ion Ratio Lower Upper
107 100
109 93.7 75.0 112.6

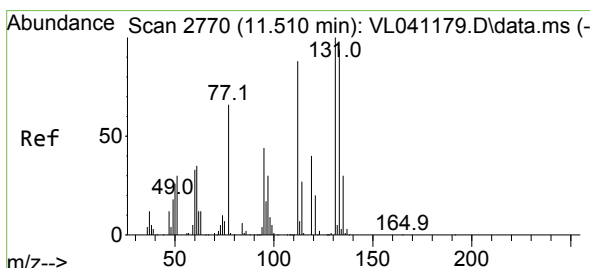
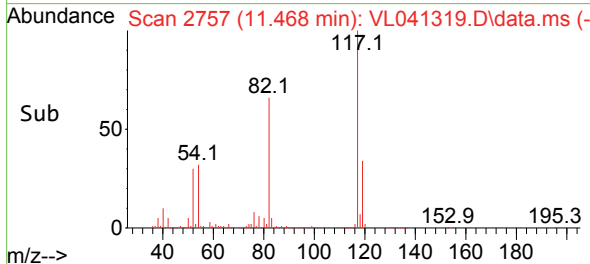
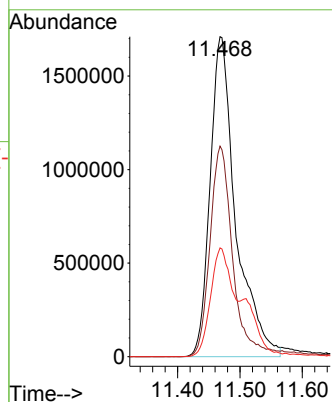
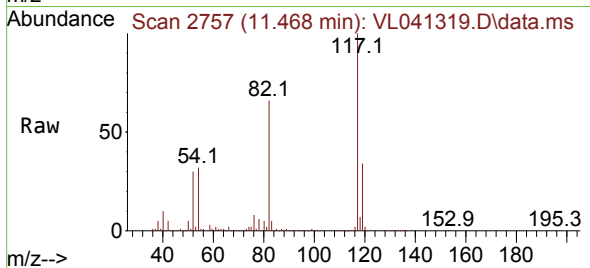




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

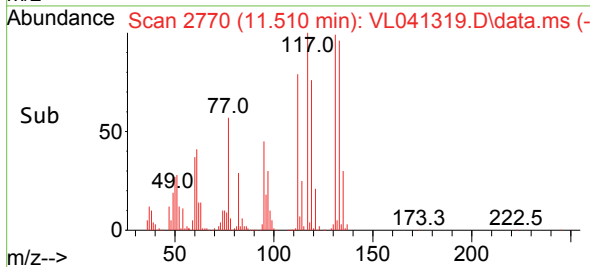
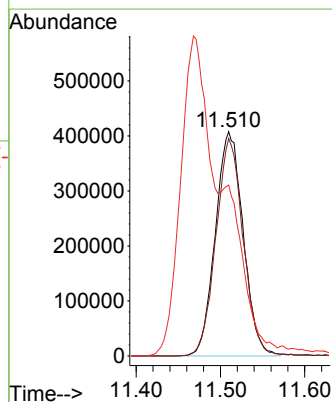
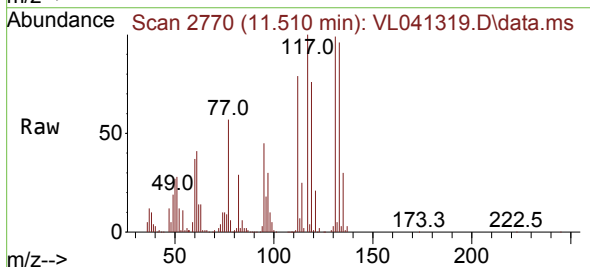
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

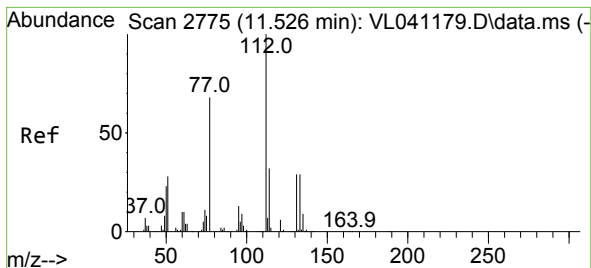
Tgt Ion:117 Resp: 4885623
Ion Ratio Lower Upper
117 100
82 60.8 52.3 78.5
119 42.0 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 4.525 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion:131 Resp: 935035
Ion Ratio Lower Upper
131 100
133 95.6 75.8 113.6
119 219.7 48.3 72.5#

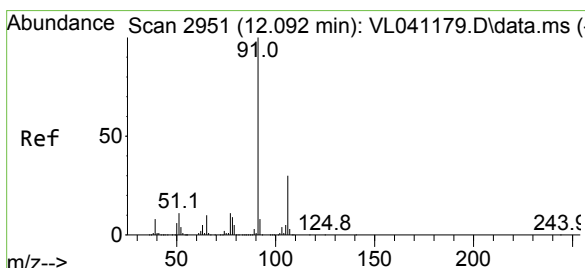
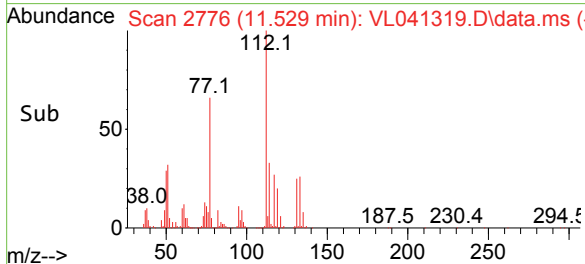
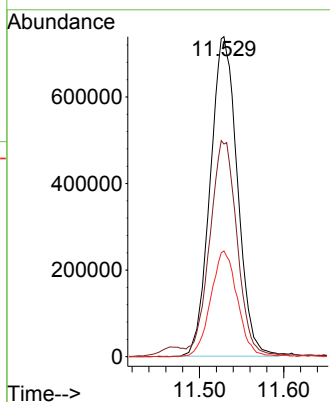
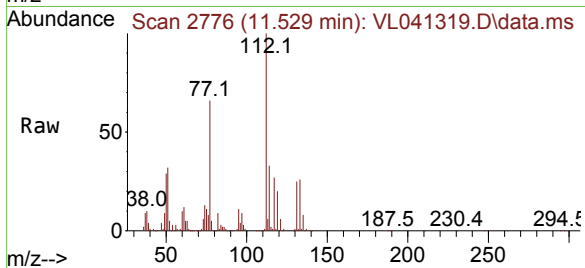




#57
Chlorobenzene
Concen: 4.557 ppbv
RT: 11.529 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

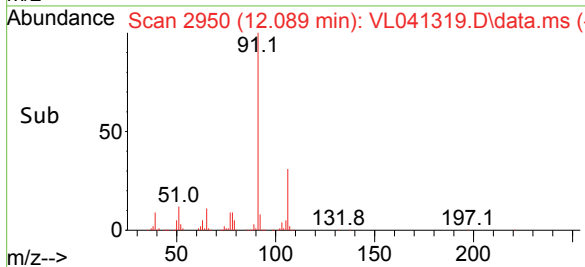
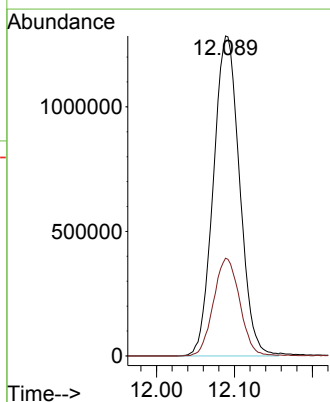
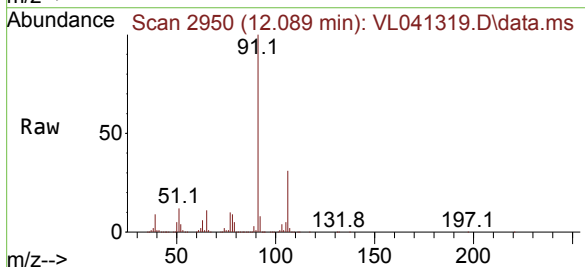
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

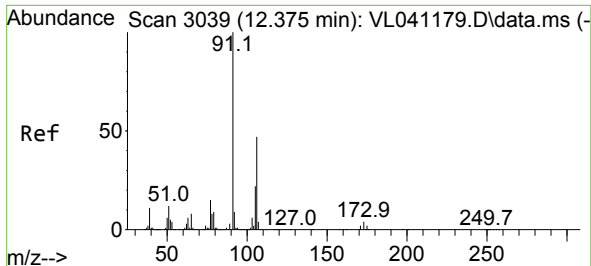
Tgt Ion:112 Resp: 1653633
Ion Ratio Lower Upper
112 100
77 65.9 52.0 78.0
114 33.1 29.8 36.4



#58
Ethyl Benzene
Concen: 4.791 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 91 Resp: 3000202
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3





#59

m/p-Xylene

Concen: 3.720 ppbv

RT: 12.375 min Scan# 3039

Delta R.T. 0.010 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

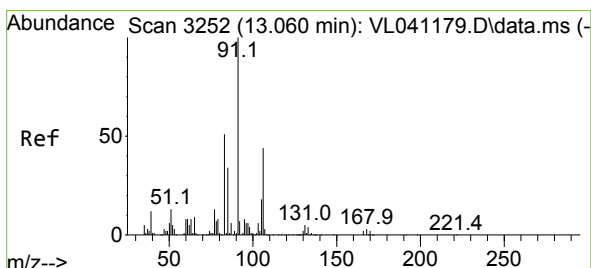
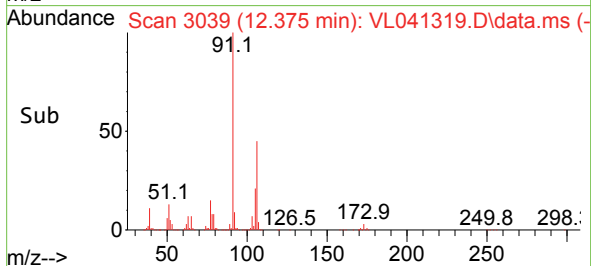
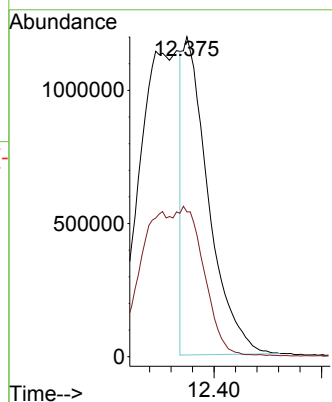
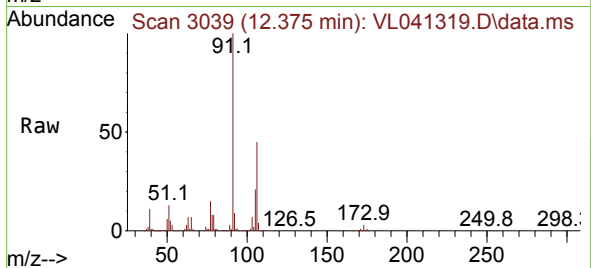
VSTDCCC010

Tgt Ion: 91 Resp: 1996185

Ion Ratio Lower Upper

91 100

106 111.7 35.7 53.5#



#60

o-Xylene

Concen: 4.691 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.003 min

Lab File: VL041319.D

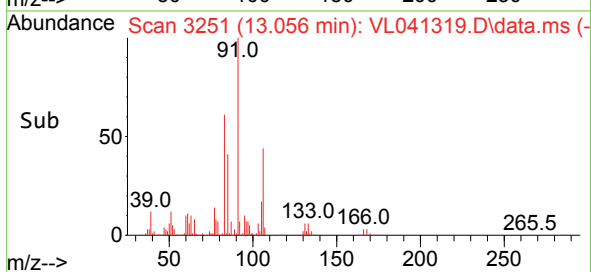
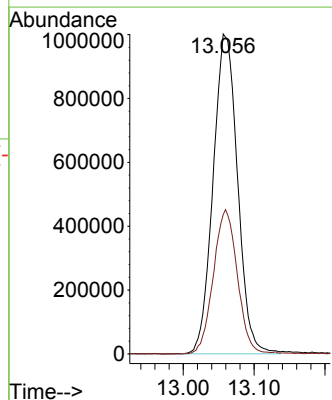
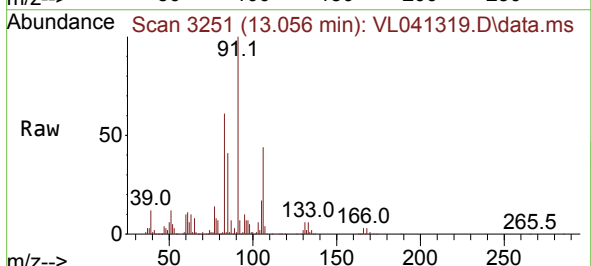
Acq: 5 Jun 2024 7:51

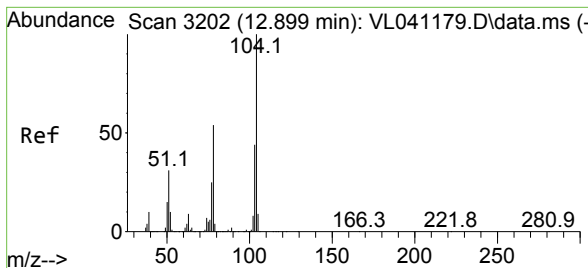
Tgt Ion: 91 Resp: 2399559

Ion Ratio Lower Upper

91 100

106 44.6 22.8 68.4





#61

Styrene

Concen: 5.160 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

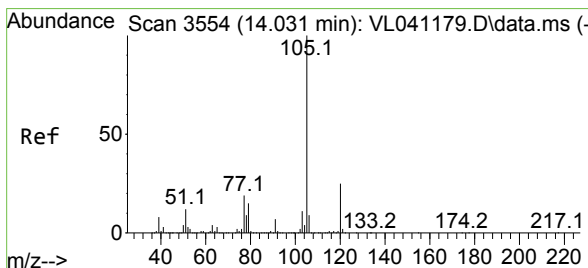
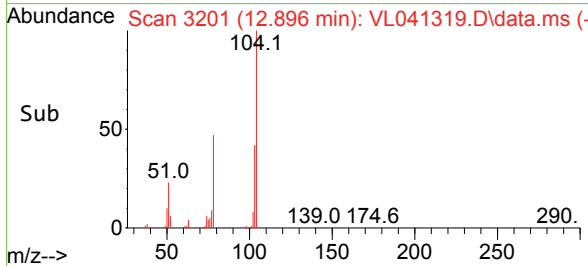
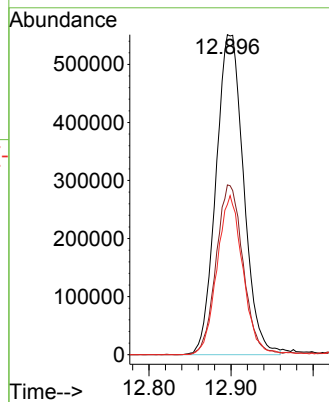
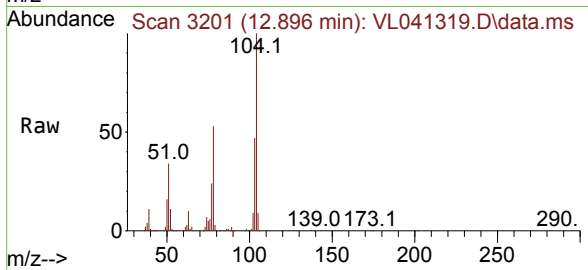
Tgt Ion:104 Resp: 1293999

Ion Ratio Lower Upper

104 100

78 52.0 42.2 63.4

103 46.9 37.9 56.9



#62

Isopropylbenzene

Concen: 4.563 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. 0.010 min

Lab File: VL041319.D

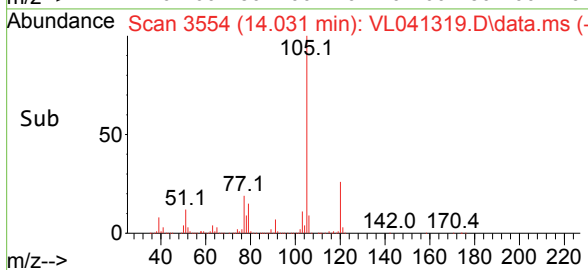
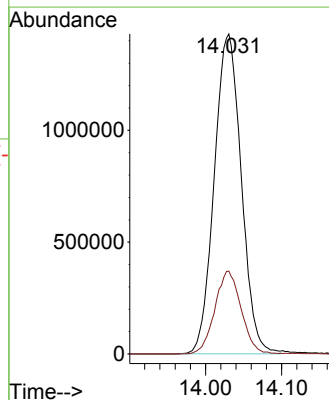
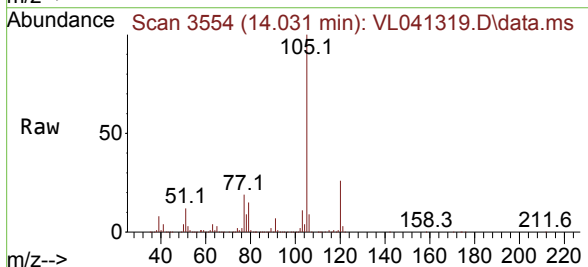
Acq: 5 Jun 2024 7:51

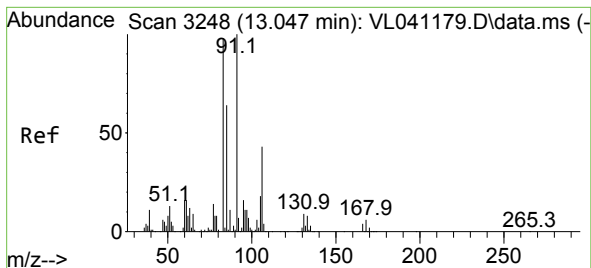
Tgt Ion:105 Resp: 3529923

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

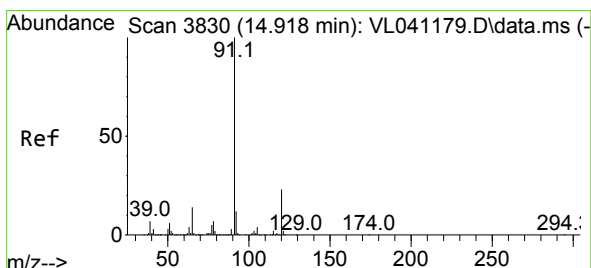
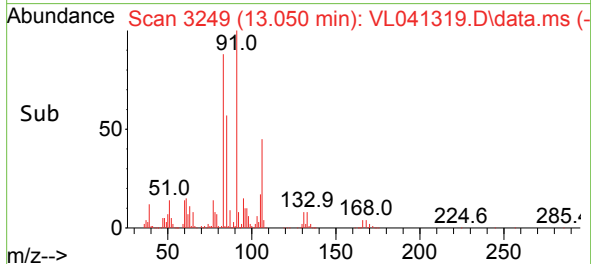
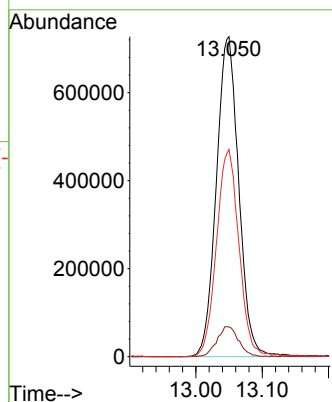
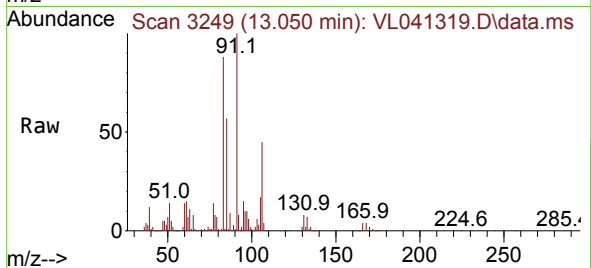




#63
1,1,2,2-Tetrachloroethane
Concen: 4.675 ppbv
RT: 13.050 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

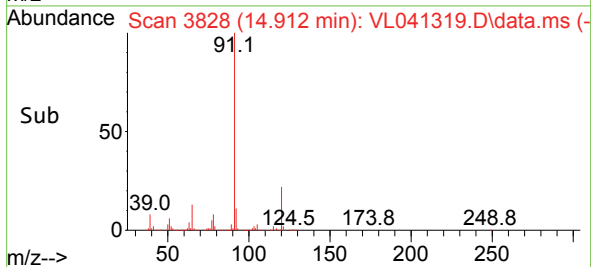
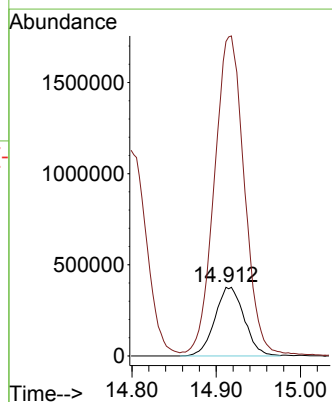
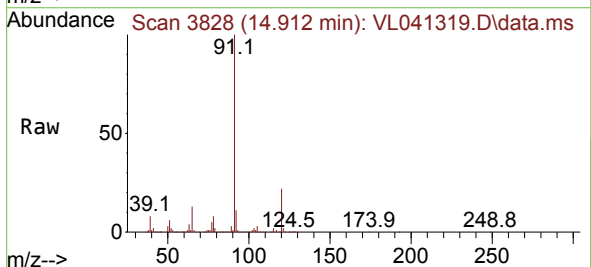
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

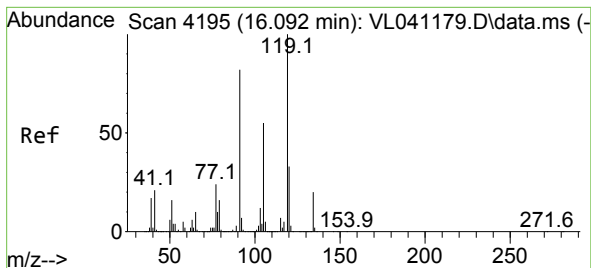
Tgt Ion: 83 Resp: 1701338
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.1
85 65.1 32.6 97.7



#64
n-propylbenzene
Concen: 4.563 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.004 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion:120 Resp: 909872
Ion Ratio Lower Upper
120 100
91 479.5 374.2 561.2

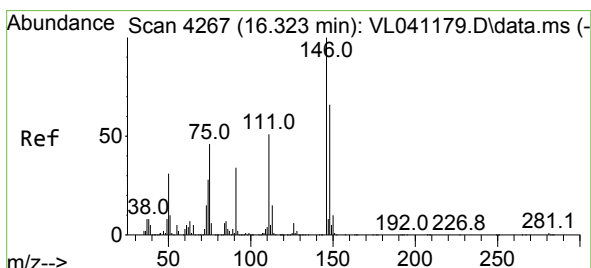
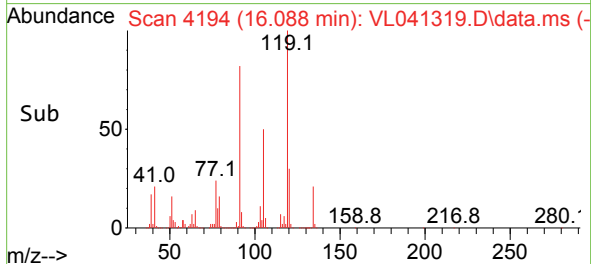
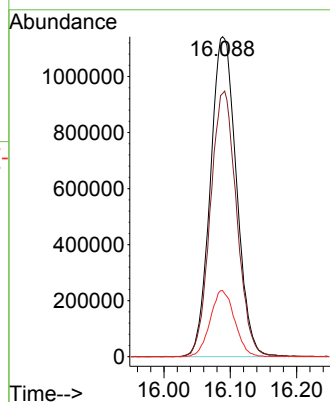
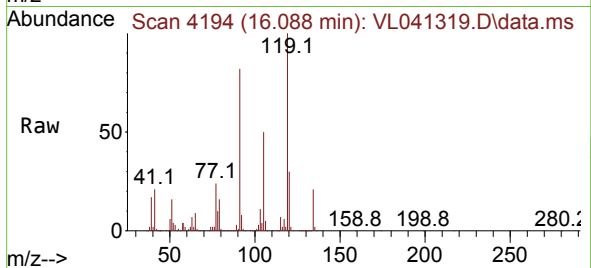




#65
tert-Butylbenzene
Concen: 4.532 ppbv
RT: 16.088 min Scan# 4194
Delta R.T. 0.006 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

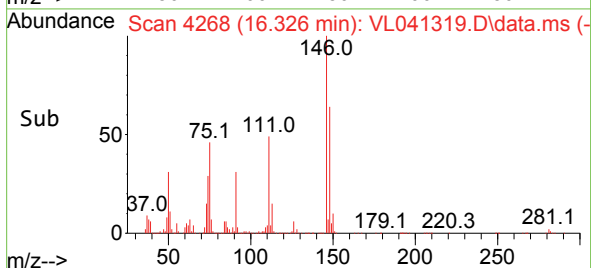
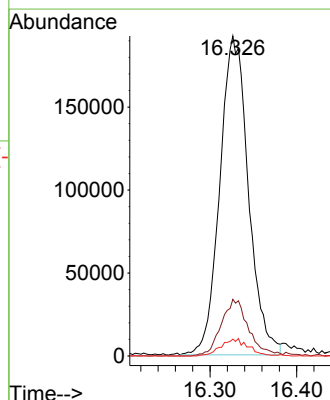
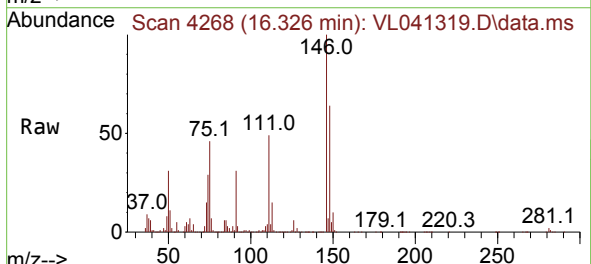
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

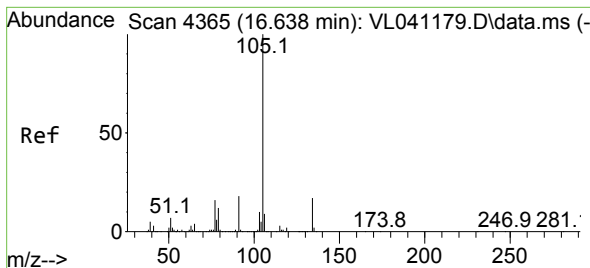
Tgt Ion:119 Resp: 3116918
Ion Ratio Lower Upper
119 100
91 83.7 66.5 99.7
134 19.5 15.7 23.5



#66
Benzyl Chloride
Concen: 9.734 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 91 Resp: 440441
Ion Ratio Lower Upper
91 100
126 17.6 13.4 20.2
128 5.2 4.6 6.8





#67

sec-Butylbenzene

Concen: 4.569 ppbv

RT: 16.635 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

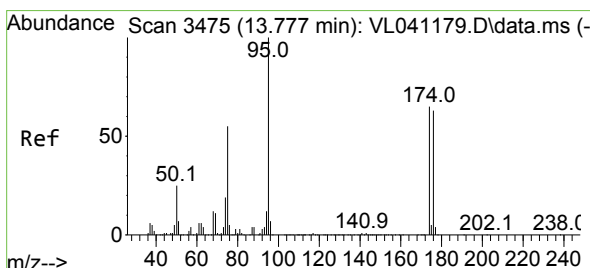
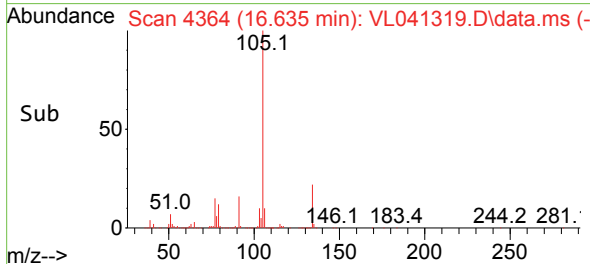
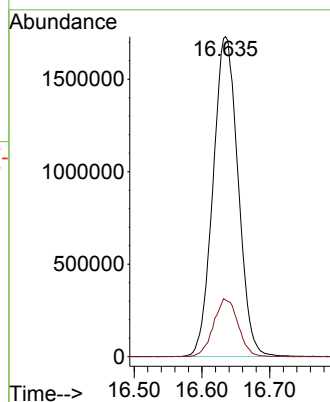
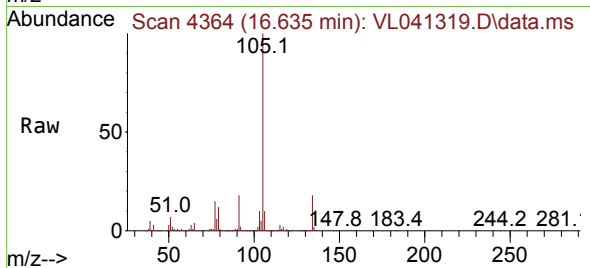
VSTDCCC010

Tgt Ion:105 Resp: 4439115

Ion Ratio Lower Upper

105 100

134 17.8 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.301 ppbv

RT: 13.777 min Scan# 3475

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

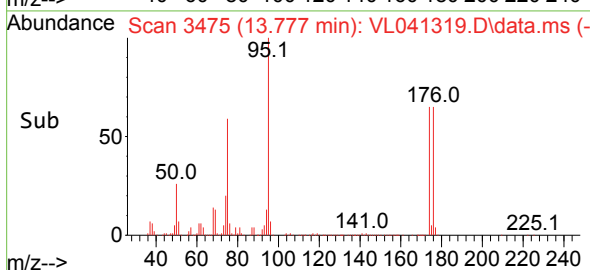
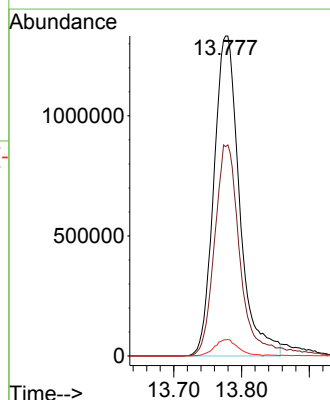
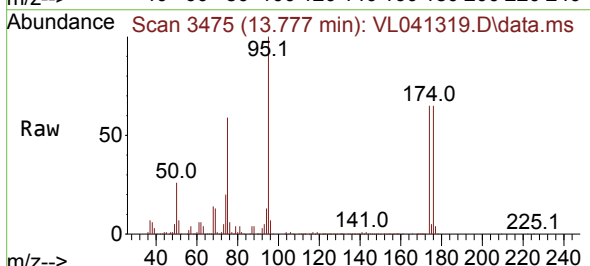
Tgt Ion: 95 Resp: 3508591

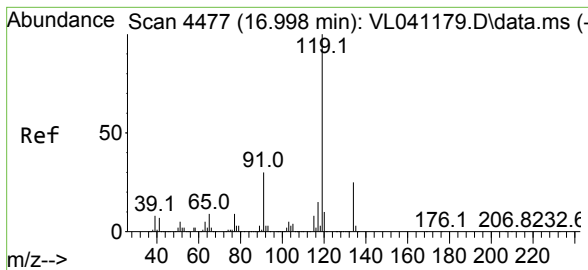
Ion Ratio Lower Upper

95 100

174 66.7 52.2 78.2

175 5.1 4.1 6.1

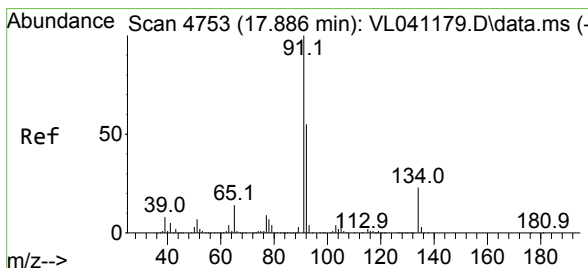
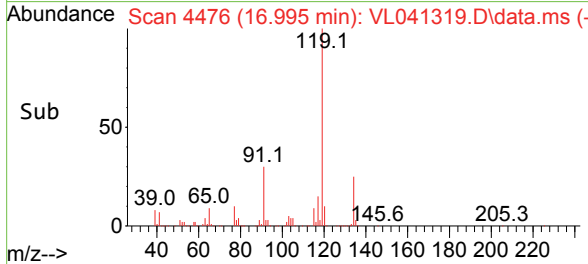
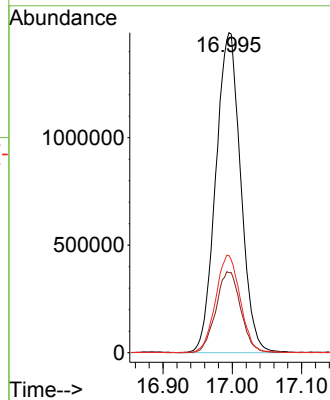
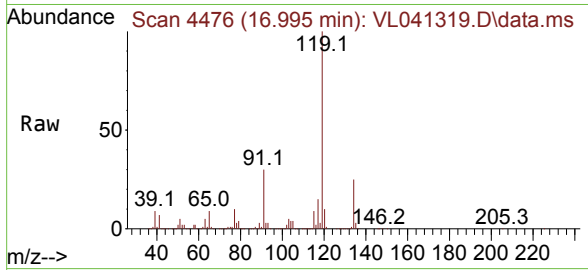




#69
 p-Isopropyltoluene
 Concen: 4.627 ppbv
 RT: 16.995 min Scan# 4477
 Delta R.T. 0.006 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

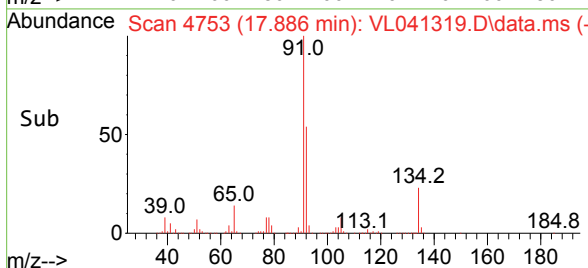
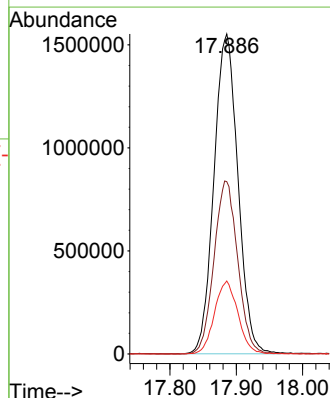
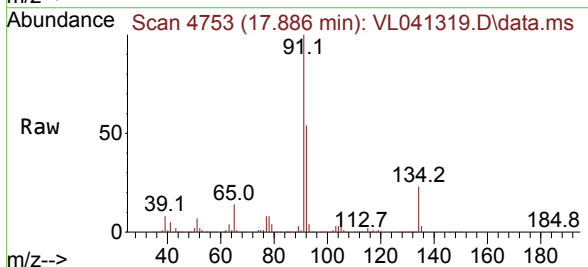
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

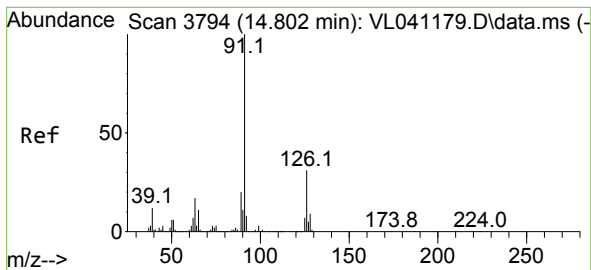
Tgt Ion:119 Resp: 3704702
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.1 30.1
 91 30.2 24.1 36.1



#70
 n-Butylbenzene
 Concen: 4.698 ppbv
 RT: 17.886 min Scan# 4753
 Delta R.T. 0.010 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Tgt Ion: 91 Resp: 3902209
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.9 64.3
 134 22.3 17.9 26.9

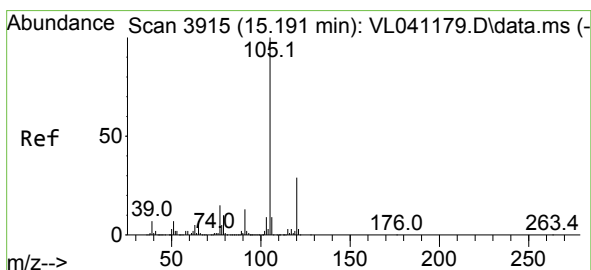
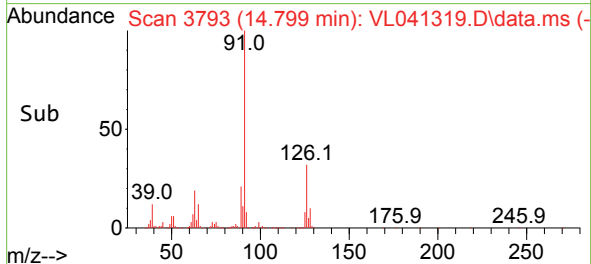
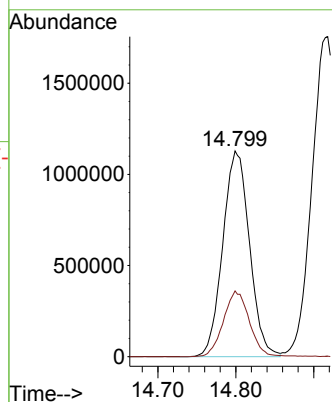
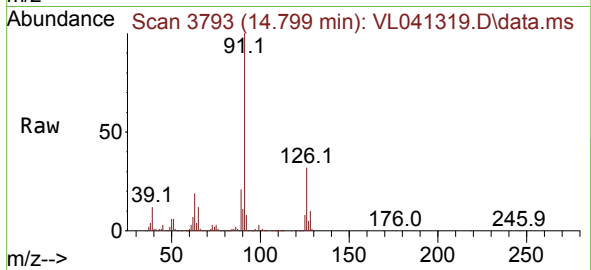




#71
2-Chlorotoluene
Concen: 4.543 ppbv
RT: 14.799 min Scan# 3794
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

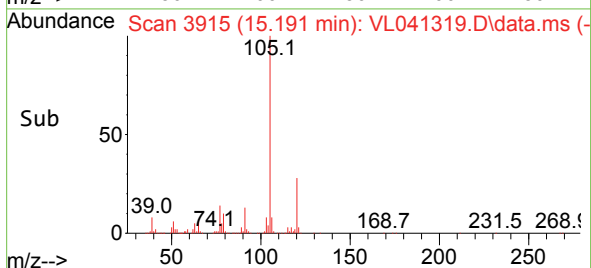
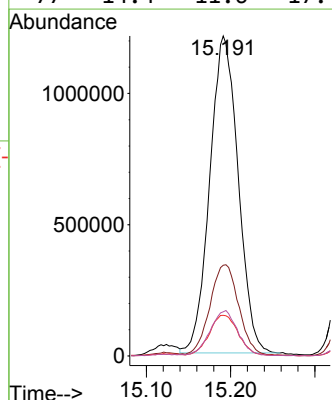
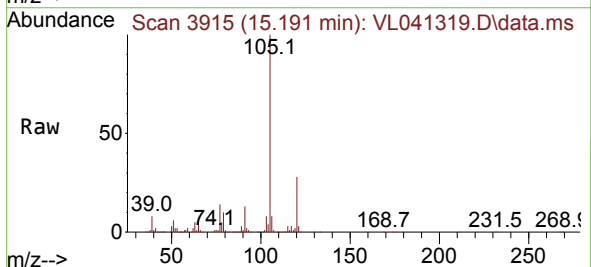
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

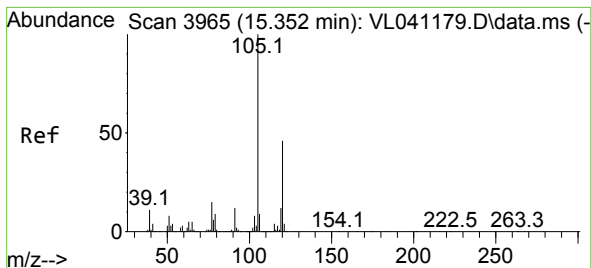
Tgt Ion: 91 Resp: 2689748
Ion Ratio Lower Upper
91 100
126 31.4 12.4 49.8



#72
4-Ethyltoluene
Concen: 4.739 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.003 min
Lab File: VL041319.D
Acq: 5 Jun 2024 7:51

Tgt Ion: 105 Resp: 2824197
Ion Ratio Lower Upper
105 100
120 29.7 23.7 35.5
91 13.2 10.6 16.0
77 14.4 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 4.819 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.010 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

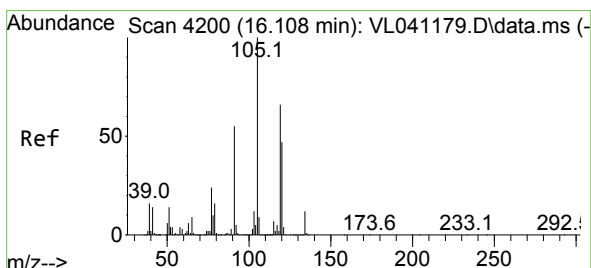
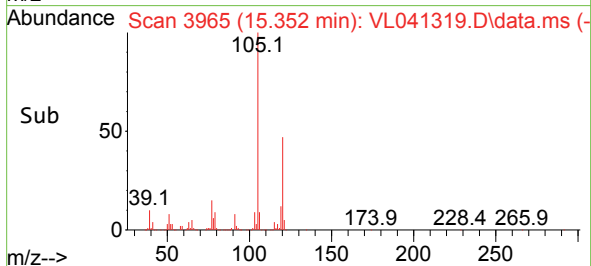
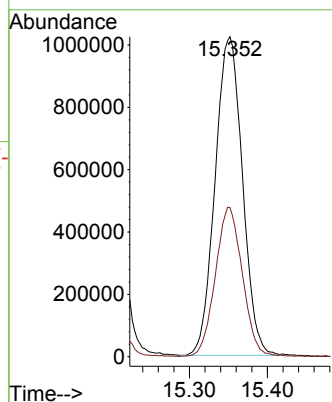
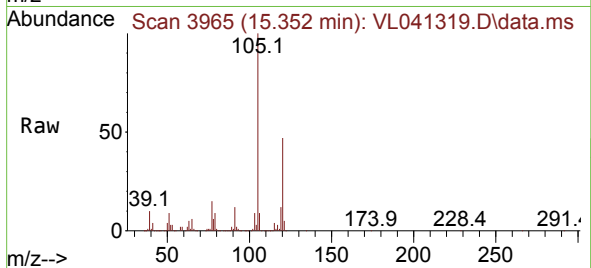
VSTDCCC010

Tgt Ion:105 Resp: 2492361

Ion Ratio Lower Upper

105 100

120 46.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 4.653 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.003 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Tgt Ion:105 Resp: 2721693

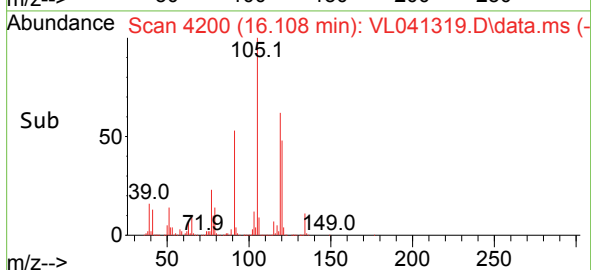
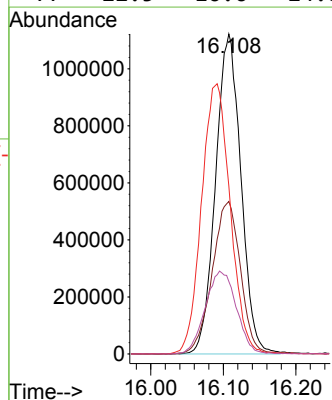
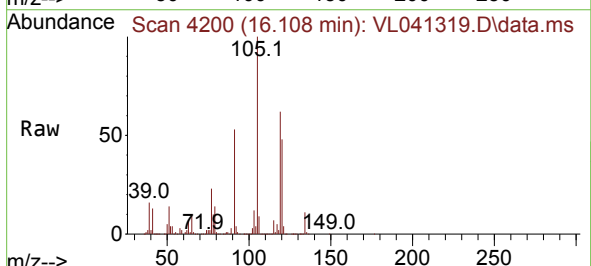
Ion Ratio Lower Upper

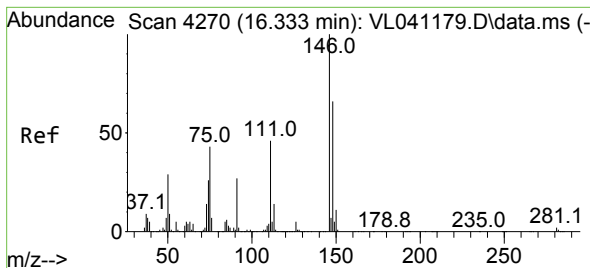
105 100

120 47.4 37.0 55.6

91 52.2 36.2 54.4

77 22.5 16.6 24.8





#75

1,3-Dichlorobenzene

Concen: 4.613 ppbv

RT: 16.329 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

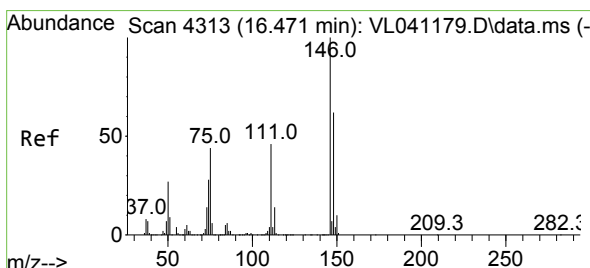
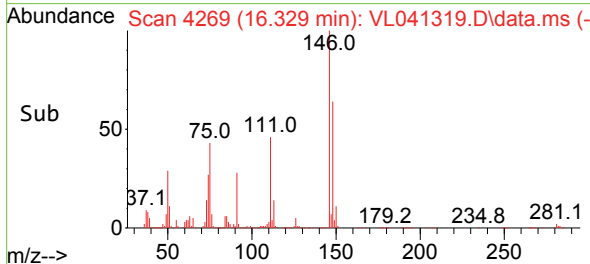
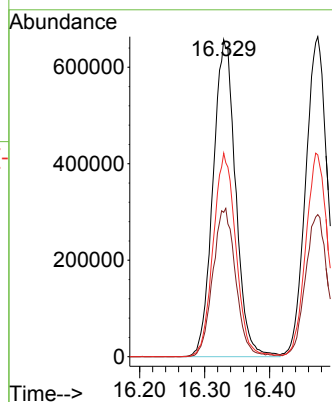
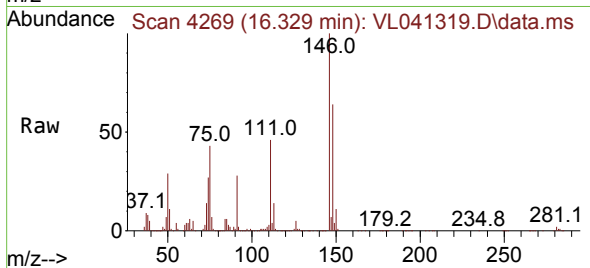
Tgt Ion:146 Resp: 1583939

Ion Ratio Lower Upper

146 100

111 47.4 23.3 69.8

148 64.2 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 4.523 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.010 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

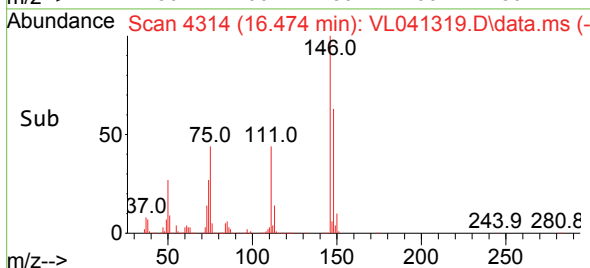
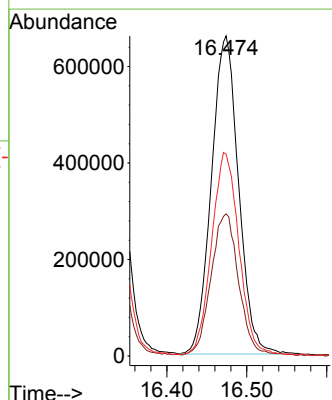
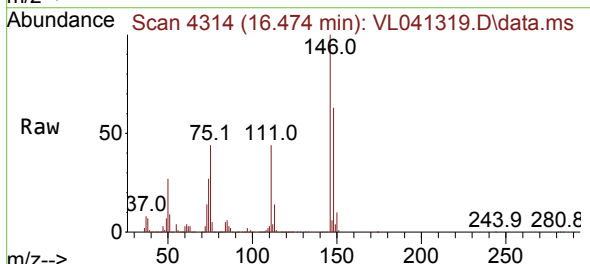
Tgt Ion:146 Resp: 1552025

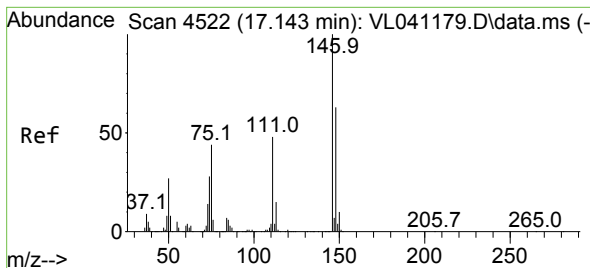
Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.9

148 65.3 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 4.511 ppbv

RT: 17.143 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

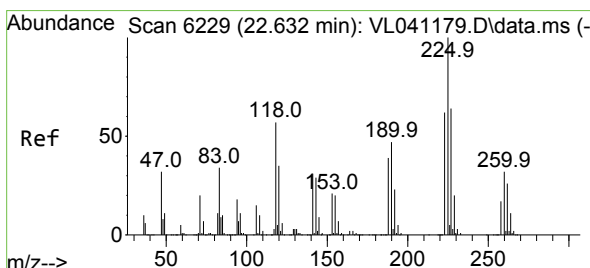
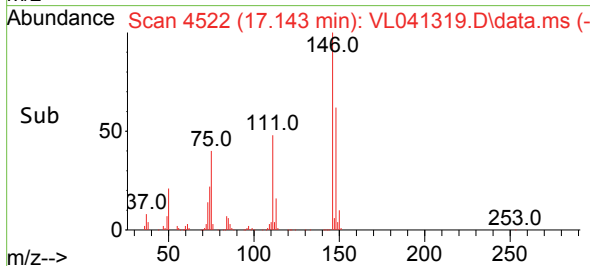
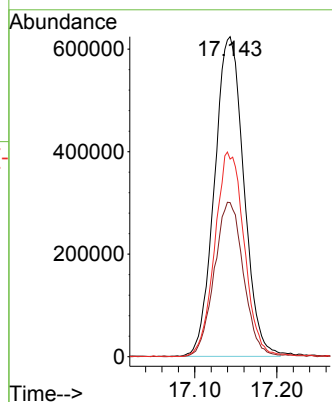
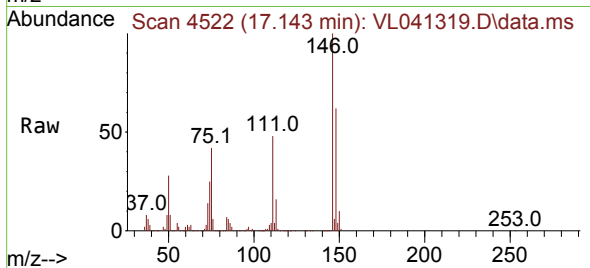
Tgt Ion:146 Resp: 1550685

Ion Ratio Lower Upper

146 100

111 48.2 24.3 72.9

148 64.3 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 1.857 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. 0.010 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

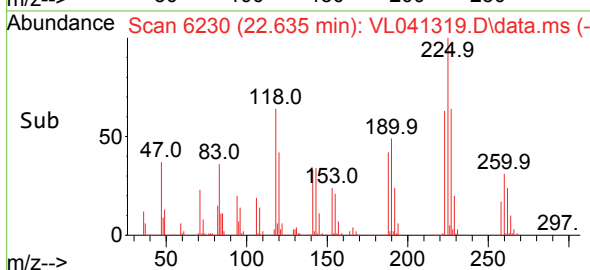
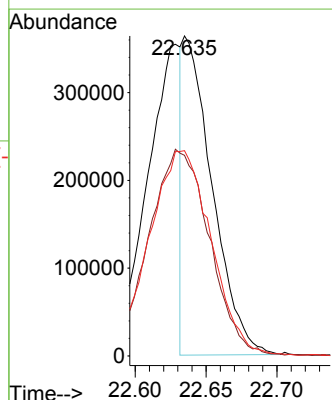
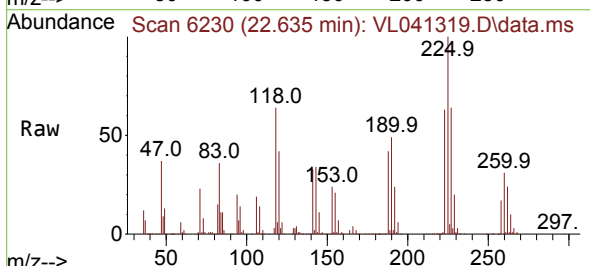
Tgt Ion:225 Resp: 523228

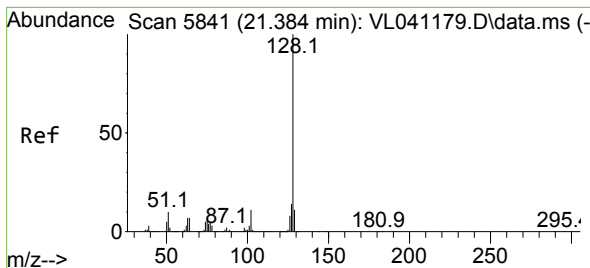
Ion Ratio Lower Upper

225 100

223 0.0 51.0 76.6#

227 138.1 51.1 76.7#





#79

Naphthalene

Concen: 5.543 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.013 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

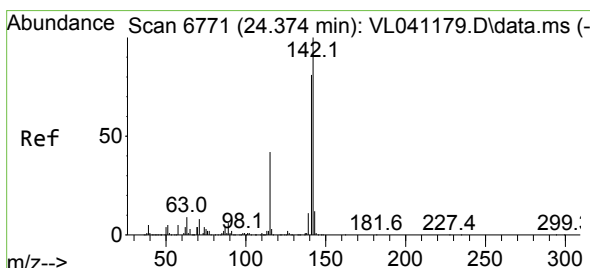
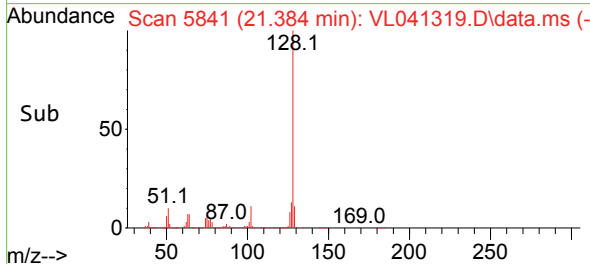
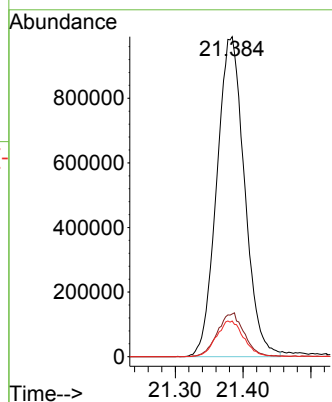
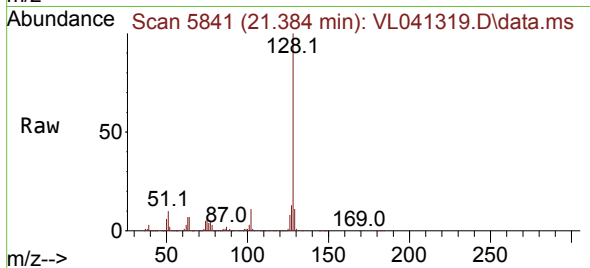
Tgt Ion:128 Resp: 2813625

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 11.2 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 5.764 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.010 min

Lab File: VL041319.D

Acq: 5 Jun 2024 7:51

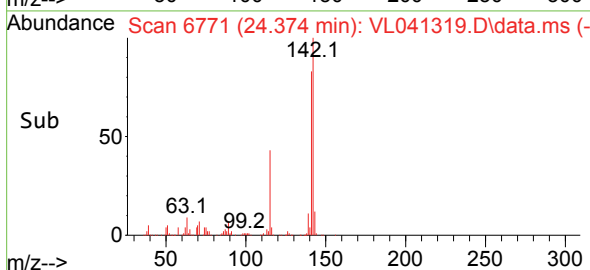
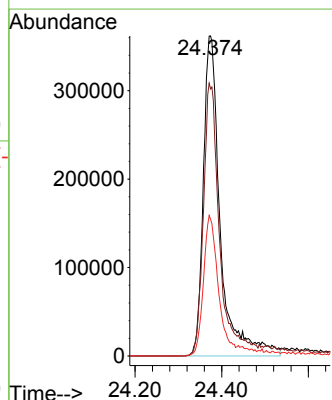
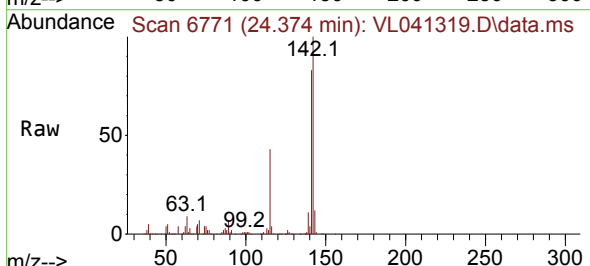
Tgt Ion:142 Resp: 988013

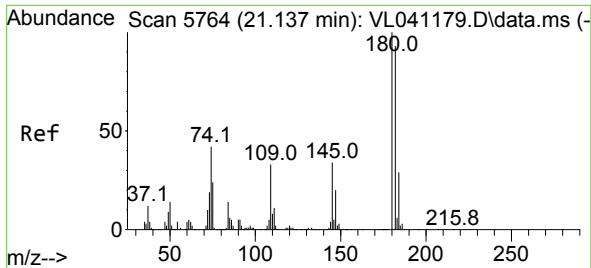
Ion Ratio Lower Upper

142 100

141 85.6 68.5 102.7

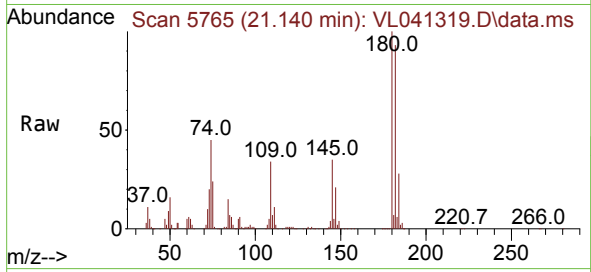
115 42.4 32.6 49.0





#81
 1,2,4-Trichlorobenzene
 Concen: 4.530 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL041319.D
 Acq: 5 Jun 2024 7:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 1282194

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	30.7	0.0	0.0#

