

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041022.D
 Acq On : 24 Jan 2024 18:53
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Quant Time: Jan 25 03:22:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1036295	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	2543117	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.439	117	3076971	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1924545	8.281	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	2137147	9.337	ppbv	98
3) Chlorodifluoromethane	2.658	51	1638583	9.401	ppbv	100
4) Chloromethane	2.796	50	614400	9.404	ppbv	96
5) Vinyl Chloride	2.902	62	650721	10.159	ppbv	99
6) Bromomethane	3.102	94	182405	6.540	ppbv	99
7) Chloroethane	3.179	64	220428	9.557	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1617007	9.457	ppbv	98
9) Propene	2.677	41	527225	9.222	ppbv	96
10) Heptane	7.555	43	1357338	9.647	ppbv	100
11) Trichlorofluoromethane	3.542	101	1757552	9.530	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.044	101	1263170	9.450	ppbv	98
13) Ethanol	3.224	45	94014	6.900	ppbv	98
14) Bromoethene	3.349	108	493941	9.625	ppbv	97
15) Acetone	3.449	43	1195081	9.018	ppbv	97
16) 1,3-Butadiene	2.967	39	621751	9.808	ppbv	99
17) tert-Butyl alcohol	3.861	59	1010401	9.296	ppbv	99
18) 1,1-Dichloroethene	3.861	96	540208	9.440	ppbv	97
19) Isopropyl Alcohol	3.558	45	727866	9.488	ppbv	100
20) Methylene Chloride	3.912	84	442917	8.686	ppbv	99
21) Allyl Chloride	3.976	41	709129	8.807	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	574136	9.743	ppbv	98
23) Vinyl Acetate	4.607	43	1275962	9.341	ppbv	98
24) 1,1-Dichloroethane	4.542	63	1133986	9.358	ppbv	99
25) Ethyl Acetate	5.182	43	2246996	9.351	ppbv	99
26) Hexane	5.192	57	956134	9.335	ppbv	98
27) Carbon Disulfide	4.102	76	1361609	10.216	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	748222	8.802	ppbv	97
29) Chloroform	5.253	83	1704232	9.381	ppbv	98
30) Cyclohexane	6.578	84	834911	9.729	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	993816	10.338	ppbv	97
32) 1,1,1-Trichloroethane	5.979	97	1678700	9.668	ppbv	98
34) 2-Butanone	4.764	43	1228058	10.136	ppbv	100
35) Carbon Tetrachloride	6.471	117	1768901	10.431	ppbv	99
36) Benzene	6.349	78	2088737	9.945	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1297914	10.126	ppbv	98
38) Trichloroethene	7.266	130	827664	9.829	ppbv	98
39) 1,2-Dichloropropane	7.050	63	810484	9.796	ppbv	94
40) 1,4-Dioxane	7.262	88	328765	9.567	ppbv	88
41) Tetrahydrofuran	5.533	42	829673	10.086	ppbv	99
42) Bromodichloromethane	7.227	83	1897154	10.345	ppbv	98
43) Methyl Methacrylate	7.449	69	854947	10.549	ppbv	97
44) 2,2,4-Trimethylpentane	7.301	57	3516684	9.951	ppbv	98
45) t-1,3-Dichloropropene	8.684	75	370329	6.687	ppbv	98

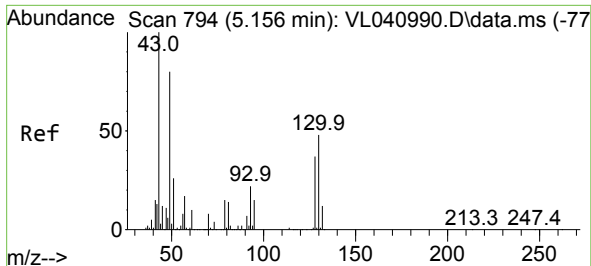
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041022.D
 Acq On : 24 Jan 2024 18:53
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jan 25 03:22:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	512020	7.414	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	891088	9.992	ppbv	99
48) Dibromochloromethane	9.687	129	1595569	10.582	ppbv	99
49) Bromoform	12.378	173	1292679	10.930	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2280222	10.687	ppbv	98
51) 2-Hexanone	9.526	43	1635465	10.634	ppbv #	100
52) Tetrachloroethene	10.590	164	696340	9.983	ppbv	97
53) Toluene	9.195	91	2393489	10.403	ppbv	100
54) 1,2-Dibromoethane	9.983	107	1151915	9.537	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	1159221	7.852	ppbv	97
57) Chlorobenzene	11.500	112	1865254	7.536	ppbv	98
58) Ethyl Benzene	12.060	91	3278220	7.934	ppbv	100
59) m/p-Xylene	12.339	91	1270420	3.526	ppbv #	1
60) o-Xylene	13.031	91	2746425	7.946	ppbv	100
61) Styrene	12.870	104	1332627	8.397	ppbv	99
62) Isopropylbenzene	13.998	105	3974499	7.775	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.018	83	2067674	7.697	ppbv	98
64) n-propylbenzene	14.889	120	1028138	7.961	ppbv	98
65) tert-Butylbenzene	16.063	119	3486733	7.807	ppbv	98
66) Benzyl Chloride	16.301	91	105805	3.615	ppbv	99
67) sec-Butylbenzene	16.606	105	4969355	7.642	ppbv	99
69) p-Isopropyltoluene	16.966	119	3912466	7.767	ppbv	99
70) n-Butylbenzene	17.857	91	4245735	7.800	ppbv	99
71) 2-Chlorotoluene	14.770	91	3063506	7.767	ppbv	100
72) 4-Ethyltoluene	15.162	105	3098076	8.025	ppbv	98
73) 1,3,5-Trimethylbenzene	15.320	105	2709315	7.908	ppbv	99
74) 1,2,4-Trimethylbenzene	16.076	105	2981713	7.677	ppbv	94
75) 1,3-Dichlorobenzene	16.301	146	1664564	7.531	ppbv	99
76) 1,4-Dichlorobenzene	16.445	146	1593712	7.307	ppbv	99
77) 1,2-Dichlorobenzene	17.117	146	742427	3.379	ppbv #	17
78) Hexachloro-1,3-Butadiene	22.603	225	915895	6.465	ppbv	99
79) Naphthalene	21.352	128	1977898	8.927	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	316909	8.144	ppbv	97
81) 1,2,4-Trichlorobenzene	21.111	180	974089	7.536	ppbv	99

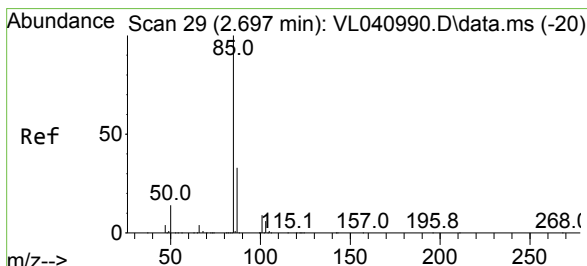
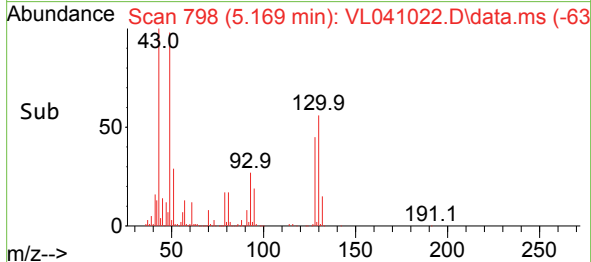
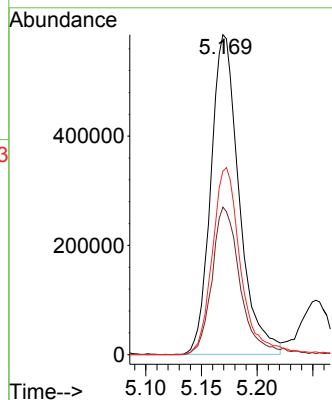
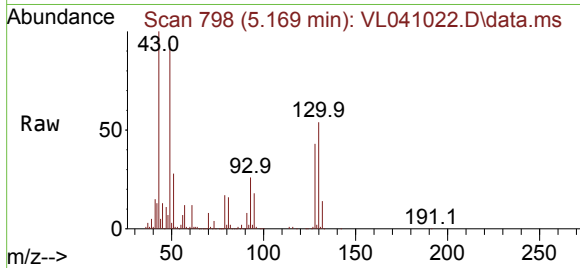
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 794
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

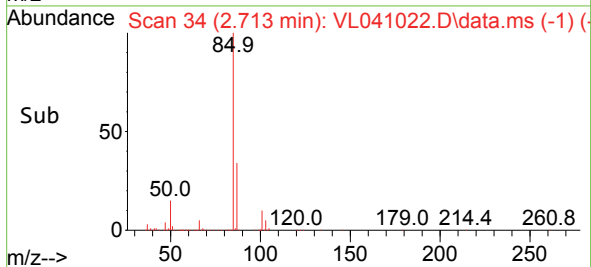
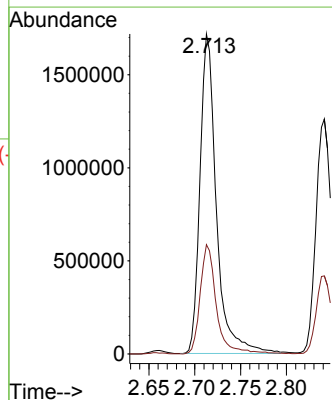
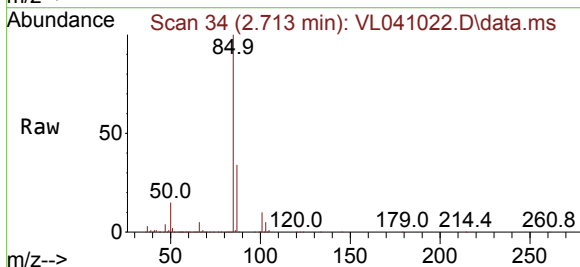
Instrument :
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 ClientSampleId :
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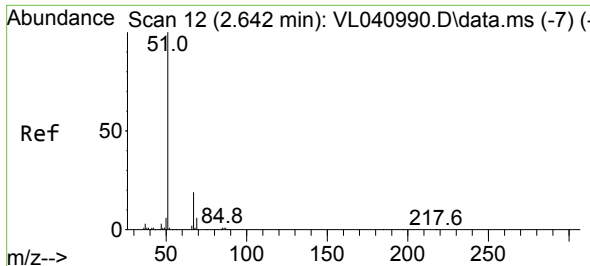
Tgt Ion: 49 Resp: 1036295
 Ion Ratio Lower Upper
 49 100
 128 47.2 23.9 71.7
 130 59.6 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 9.337 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 85 Resp: 2137147
 Ion Ratio Lower Upper
 85 100
 87 34.1 26.3 39.5

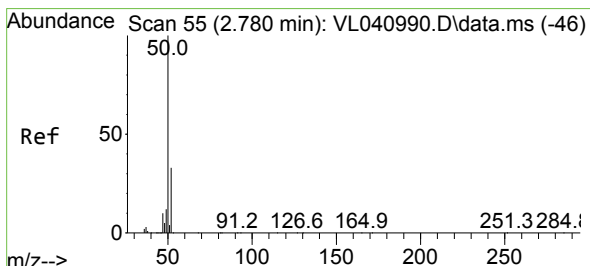
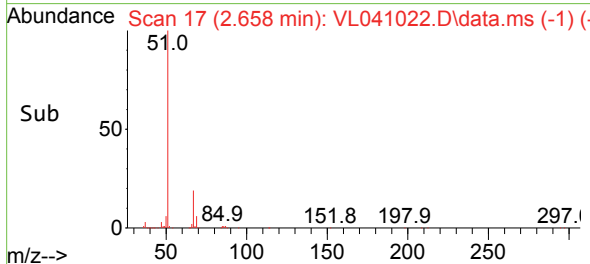
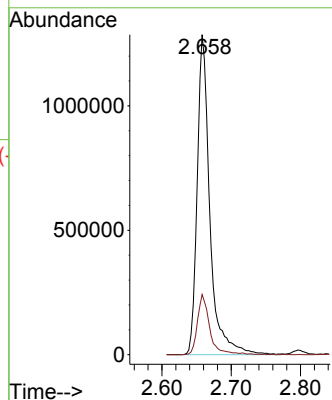
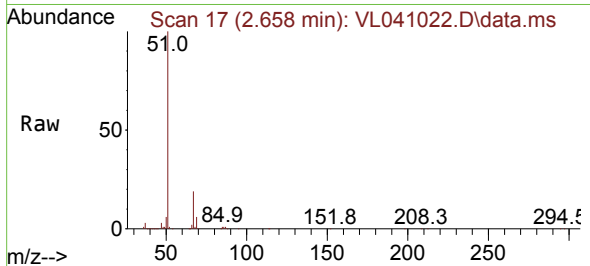




#3
Chlorodifluoromethane
Concen: 9.401 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

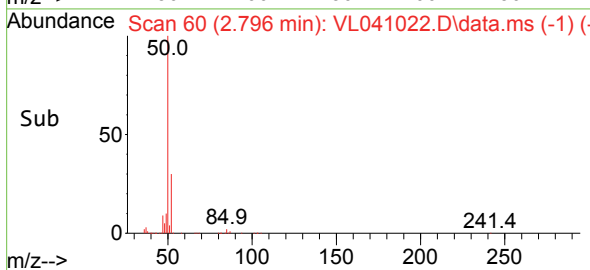
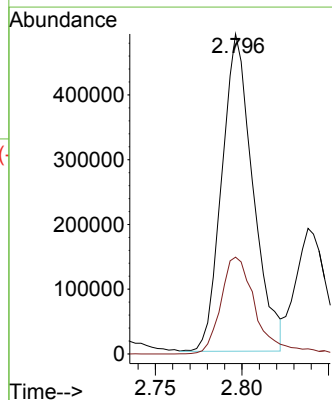
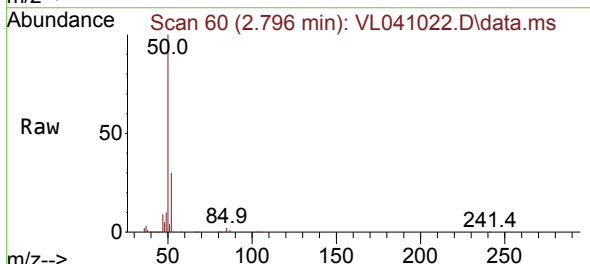
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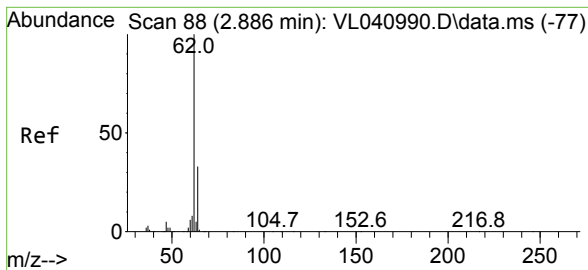
Tgt Ion: 51 Resp: 1638583
Ion Ratio Lower Upper
51 100
67 18.5 14.8 22.2



#4
Chloromethane
Concen: 9.404 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 50 Resp: 614400
Ion Ratio Lower Upper
50 100
52 30.5 26.2 39.4

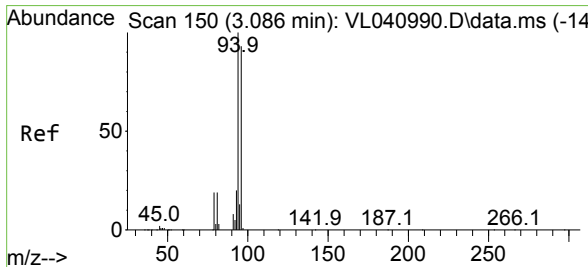
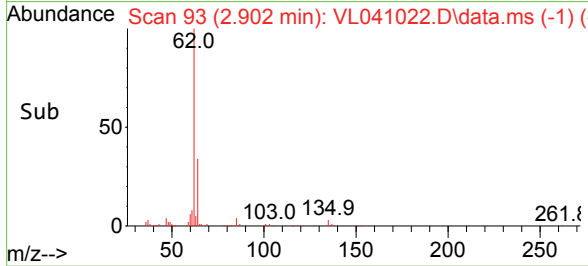
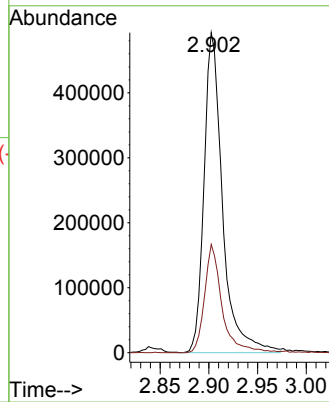
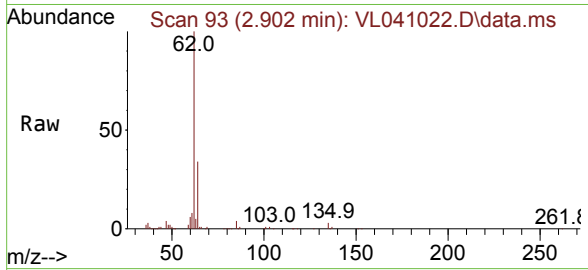




#5
 Vinyl Chloride
 Concen: 10.159 ppbv
 RT: 2.902 min Scan# 91
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

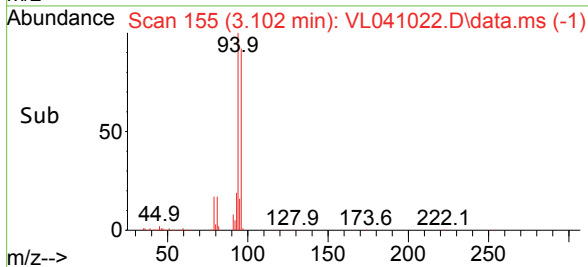
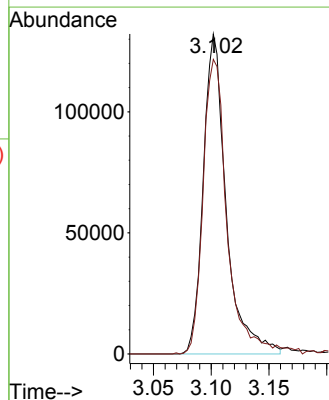
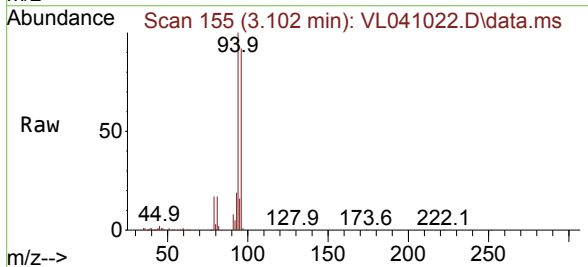
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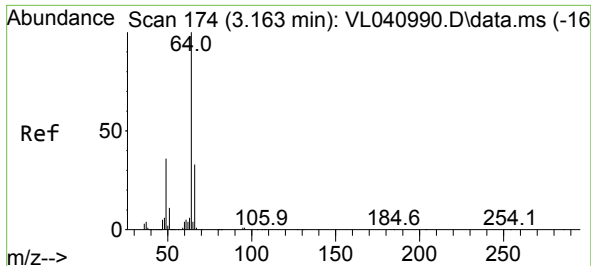
Tgt Ion: 62 Resp: 650721
 Ion Ratio Lower Upper
 62 100
 64 33.8 26.6 40.0



#6
 Bromomethane
 Concen: 6.540 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 94 Resp: 182405
 Ion Ratio Lower Upper
 94 100
 96 92.1 74.2 111.4

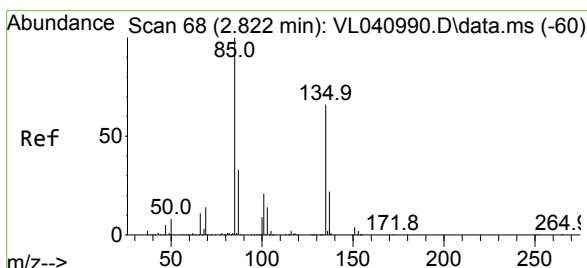
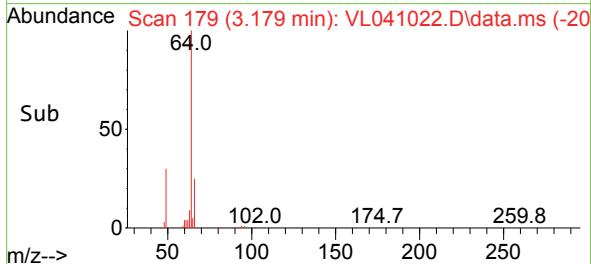
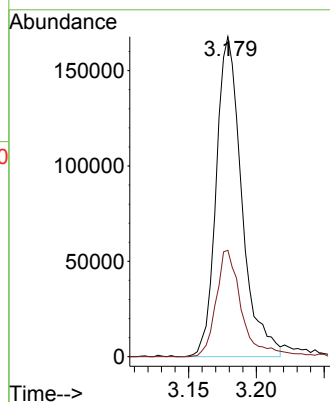
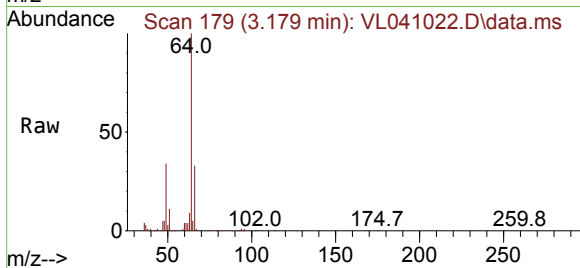




#7
Chloroethane
Concen: 9.557 ppbv
RT: 3.179 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

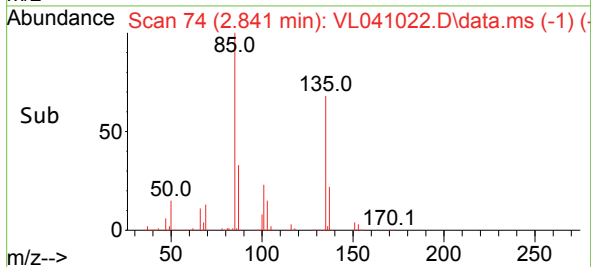
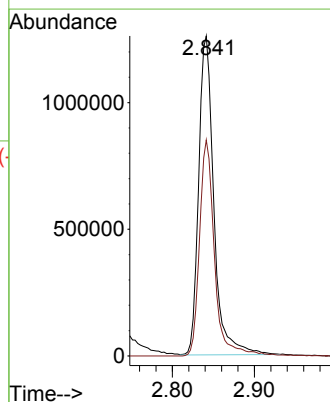
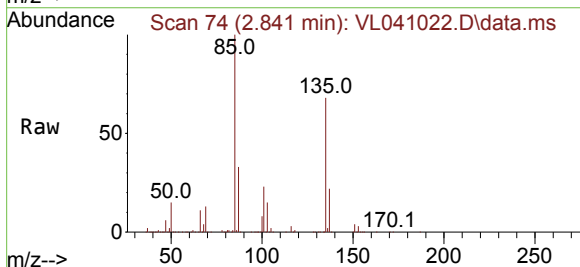
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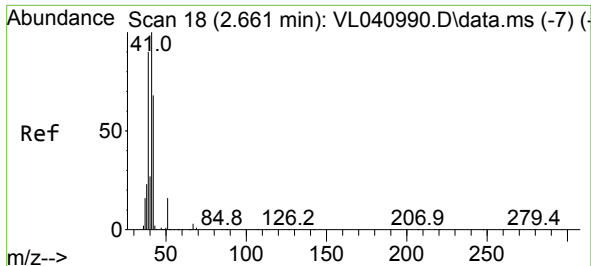
Tgt Ion: 64 Resp: 220428
Ion Ratio Lower Upper
64 100
66 33.2 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.457 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.016 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 85 Resp: 1617007
Ion Ratio Lower Upper
85 100
135 67.2 55.0 82.6

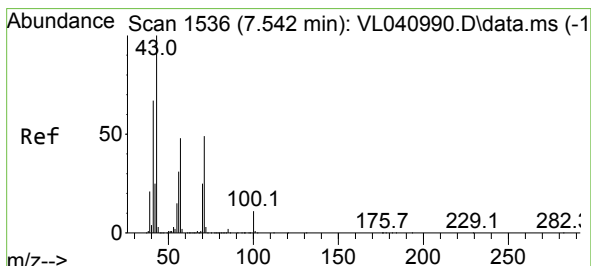
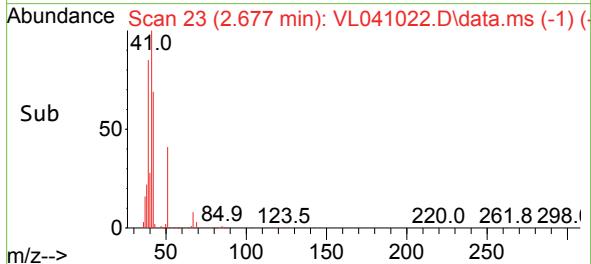
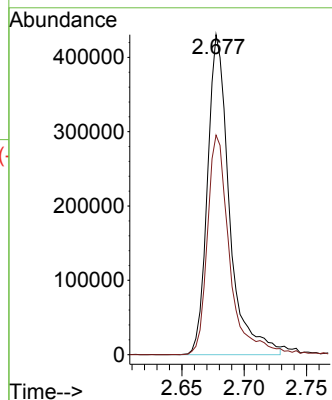
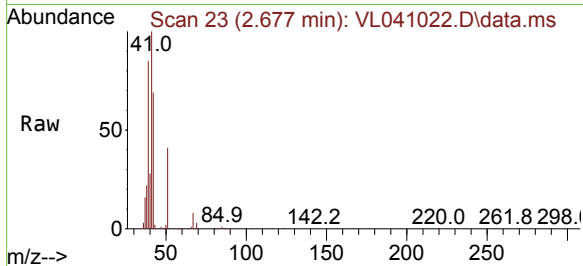




#9
 Propene
 Concen: 9.222 ppbv
 RT: 2.677 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

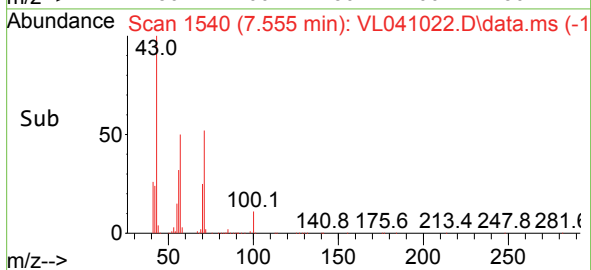
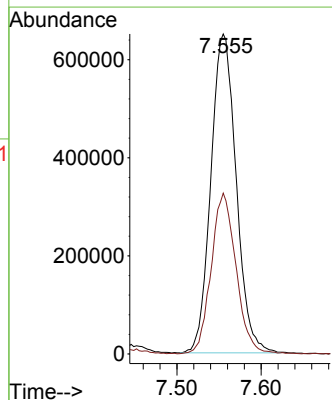
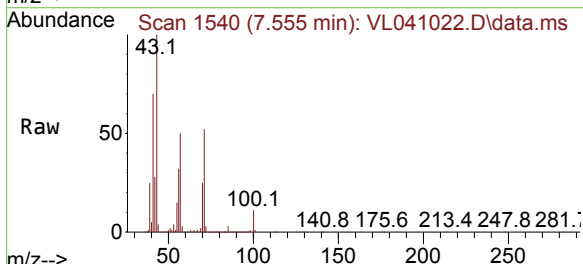
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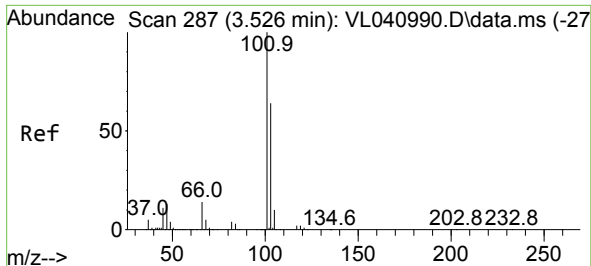
Tgt Ion: 41 Resp: 527225
 Ion Ratio Lower Upper
 41 100
 42 70.5 59.0 88.4



#10
 Heptane
 Concen: 9.647 ppbv
 RT: 7.555 min Scan# 1540
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 43 Resp: 1357338
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.4 59.2

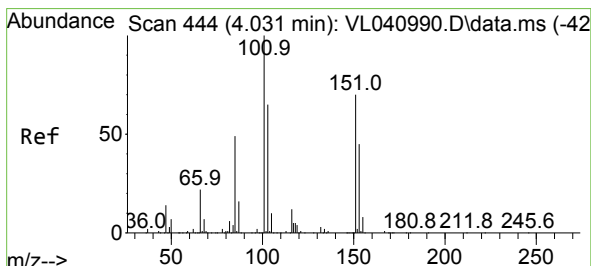
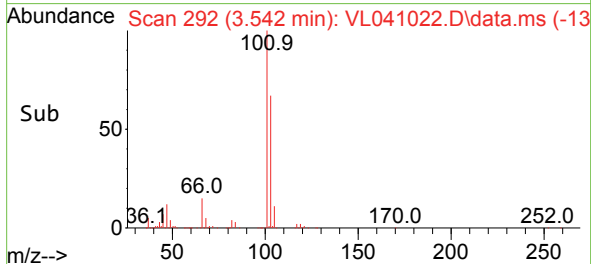
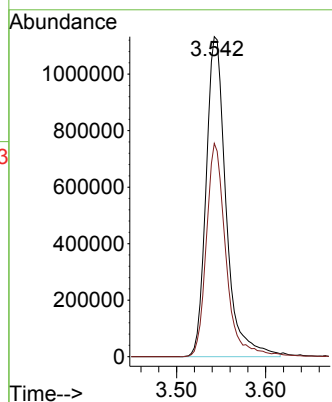
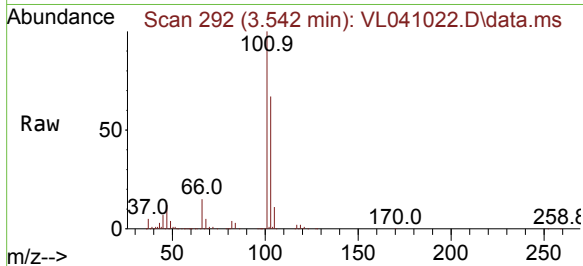




#11
 Trichlorofluoromethane
 Concen: 9.530 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

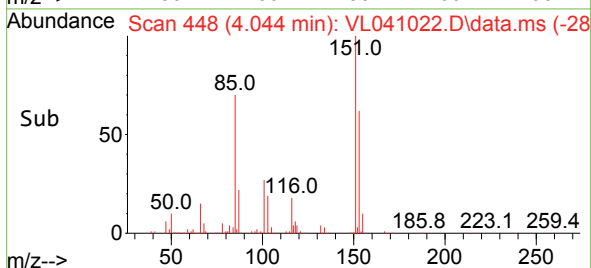
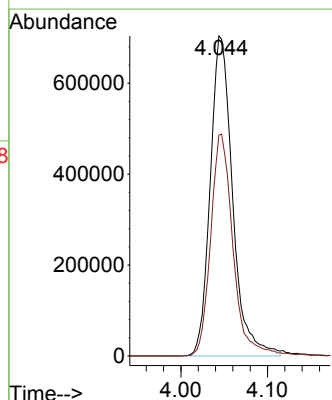
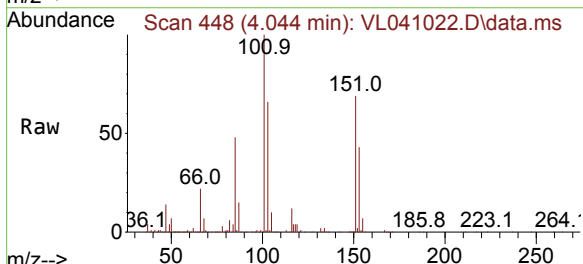
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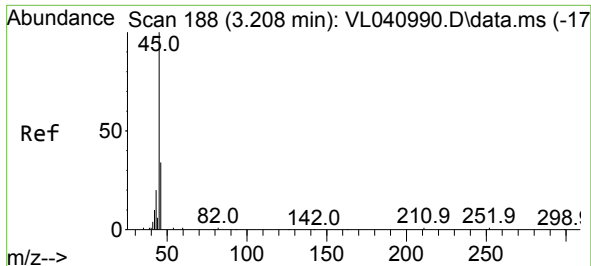
Tgt Ion:101 Resp: 1757552
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.450 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion:101 Resp: 1263170
 Ion Ratio Lower Upper
 101 100
 151 69.4 56.6 85.0

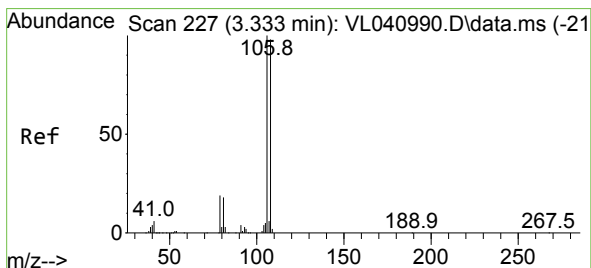
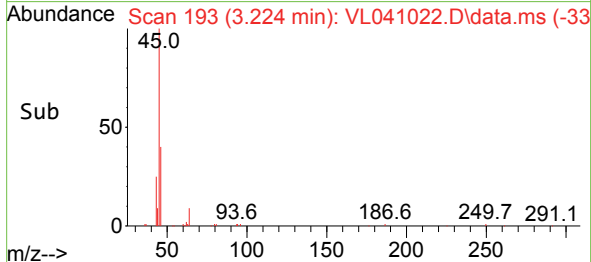
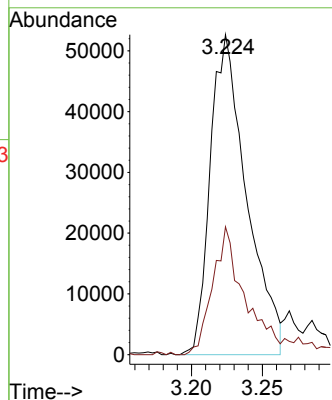
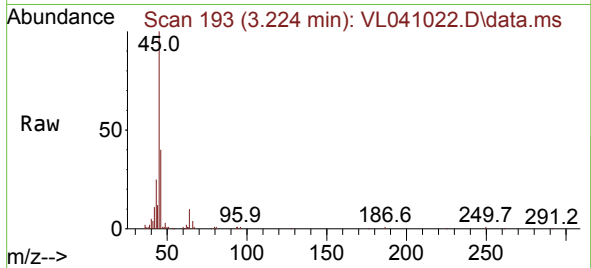




#13
Ethanol
Concen: 6.900 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.016 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

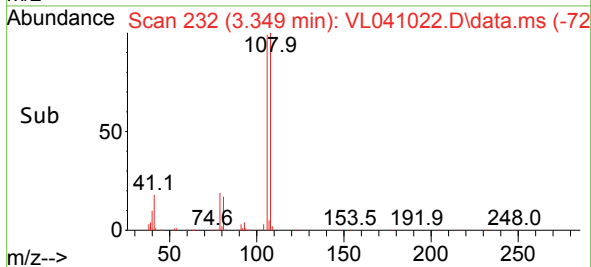
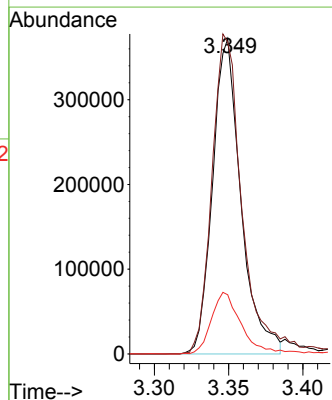
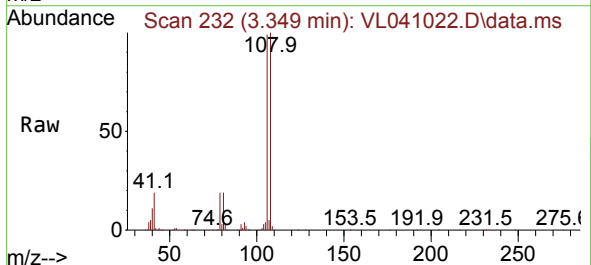
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

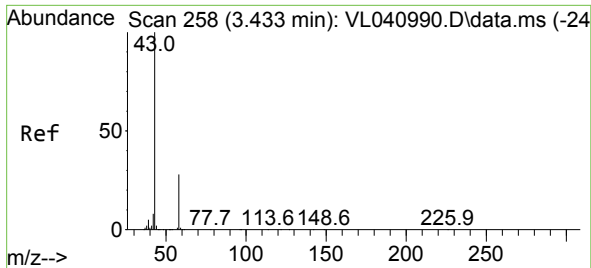
Tgt Ion: 45 Resp: 94014
Ion Ratio Lower Upper
45 100
46 41.6 16.2 64.8



#14
Bromoethene
Concen: 9.625 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.016 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 108 Resp: 493941
Ion Ratio Lower Upper
108 100
106 110.7 86.4 129.6
79 21.8 16.2 24.4

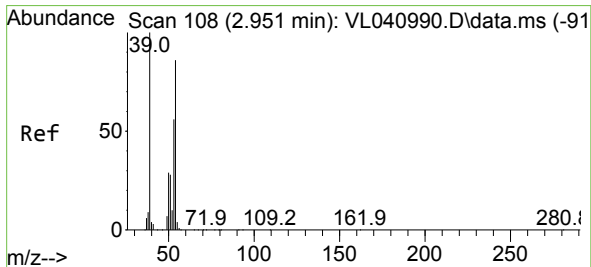
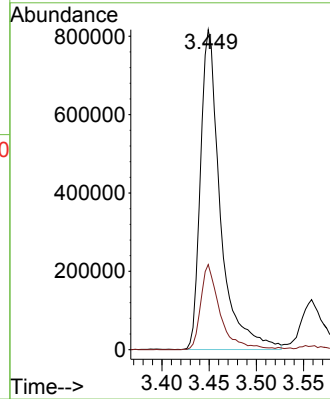
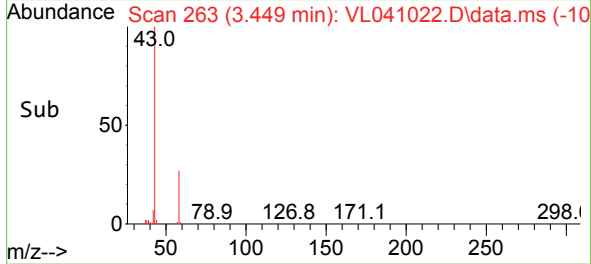
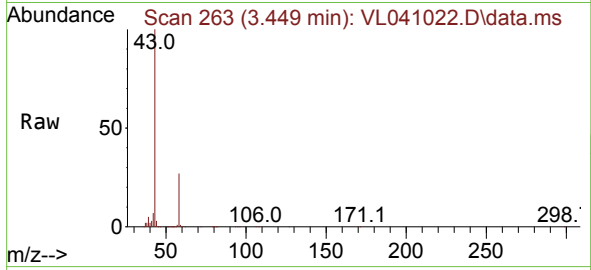




#15
Acetone
Concen: 9.018 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

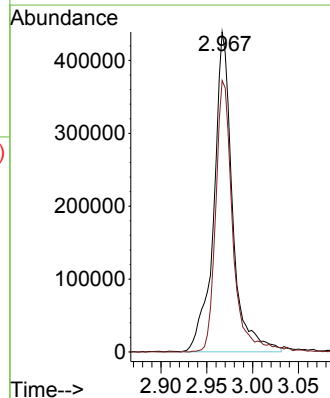
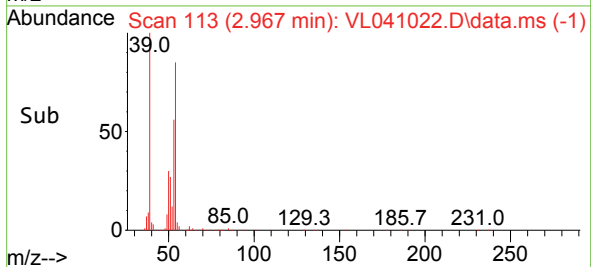
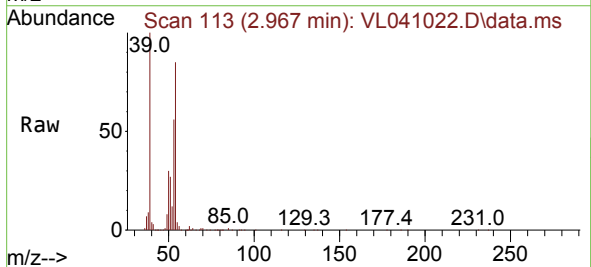
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

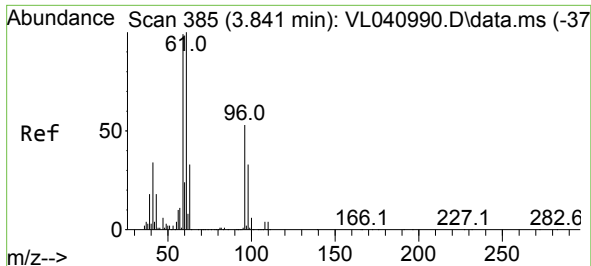
Tgt Ion: 43 Resp: 1195081
Ion Ratio Lower Upper
43 100
58 26.2 22.2 33.2



#16
1,3-Butadiene
Concen: 9.808 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 39 Resp: 621751
Ion Ratio Lower Upper
39 100
54 77.9 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.296 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.016 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

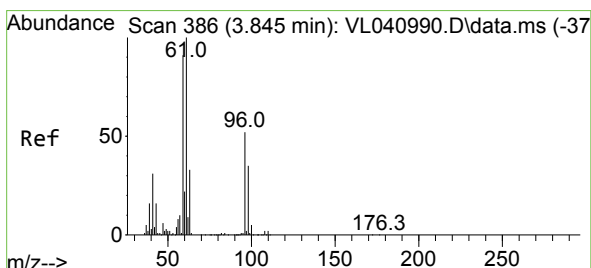
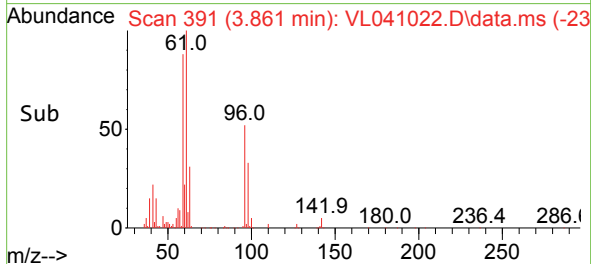
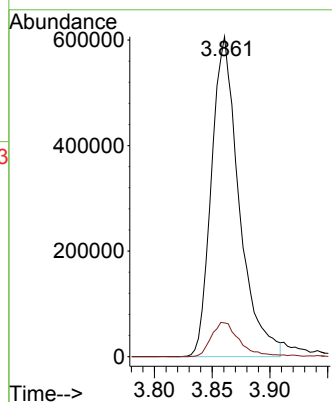
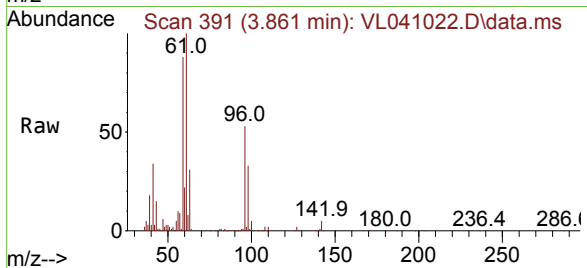
VSTDCCC010EC

Tgt Ion: 59 Resp: 1010401

Ion Ratio Lower Upper

59 100

57 11.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.440 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

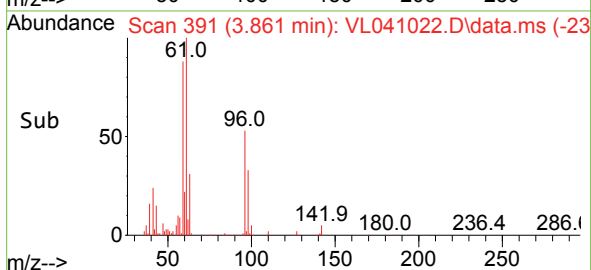
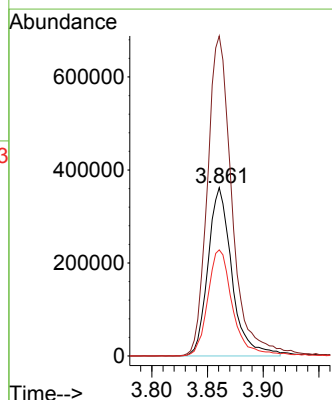
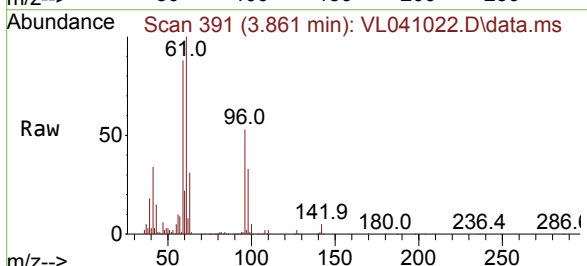
Tgt Ion: 96 Resp: 540208

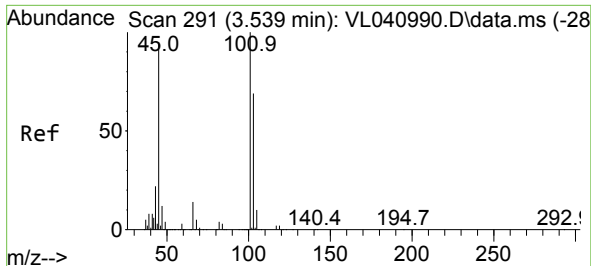
Ion Ratio Lower Upper

96 100

61 189.9 153.8 230.8

98 62.9 53.7 80.5

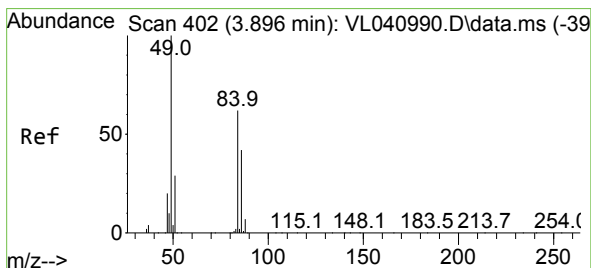
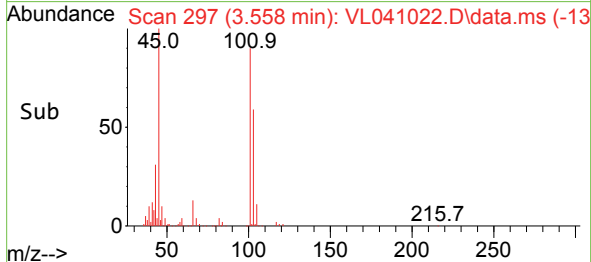
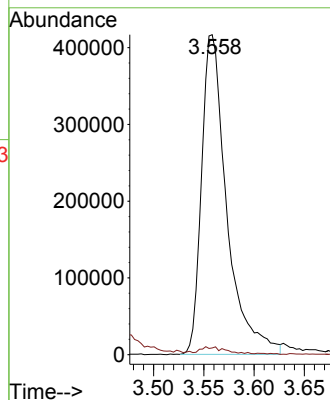
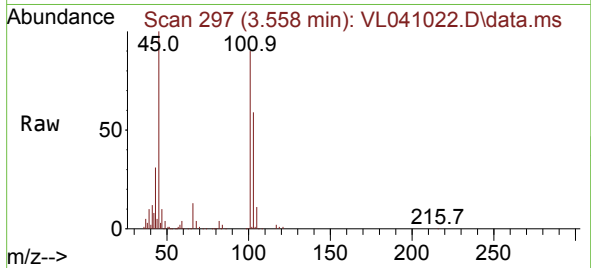




#19
Isopropyl Alcohol
Concen: 9.488 ppbv
RT: 3.558 min Scan# 291
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

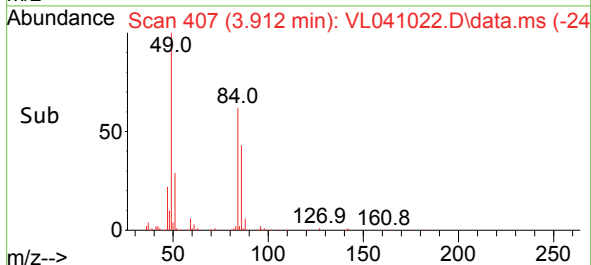
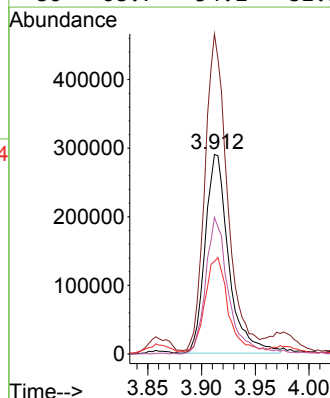
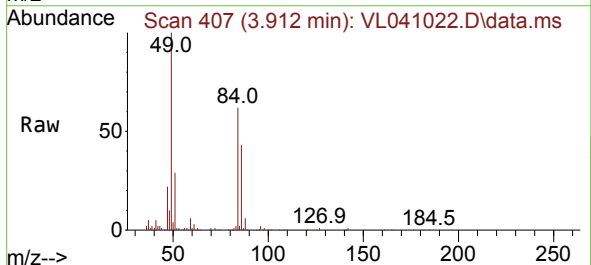
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

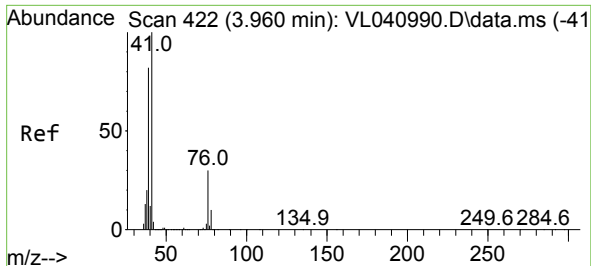
Tgt Ion: 45 Resp: 727866
Ion Ratio Lower Upper
45 100
58 2.8 2.2 3.4



#20
Methylene Chloride
Concen: 8.686 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 84 Resp: 442917
Ion Ratio Lower Upper
84 100
49 159.1 128.1 192.1
51 45.1 36.5 54.7
86 68.7 54.1 81.1

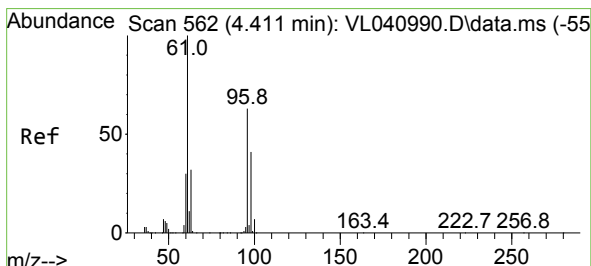
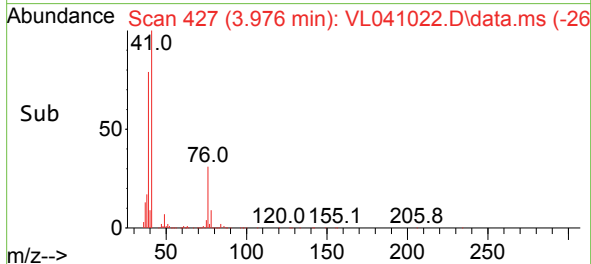
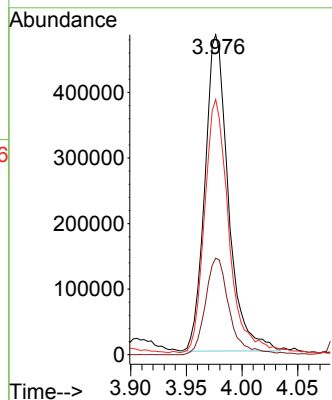
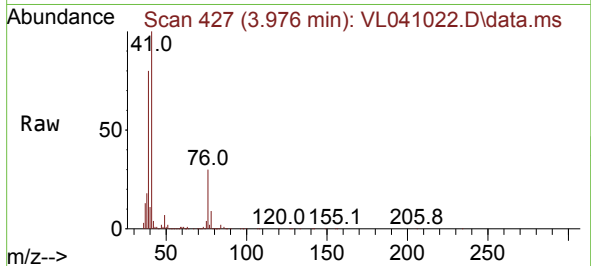




#21
 Allyl Chloride
 Concen: 8.807 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

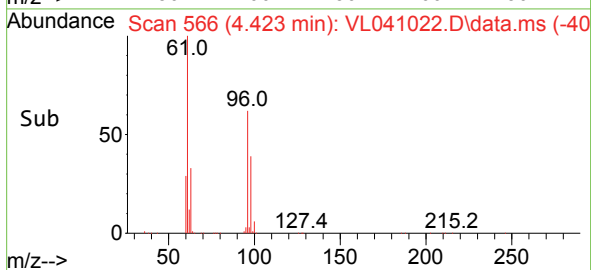
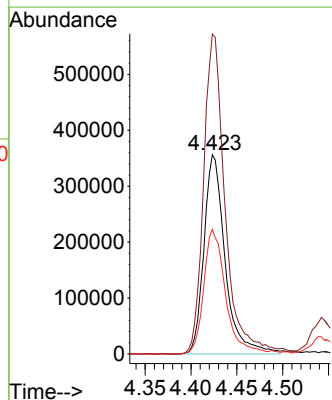
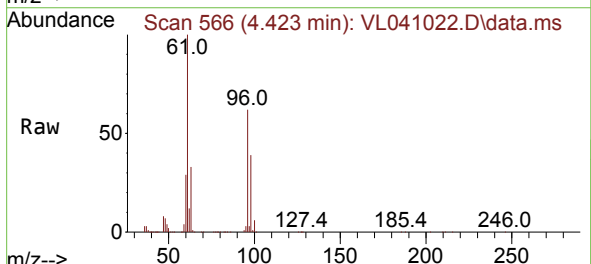
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

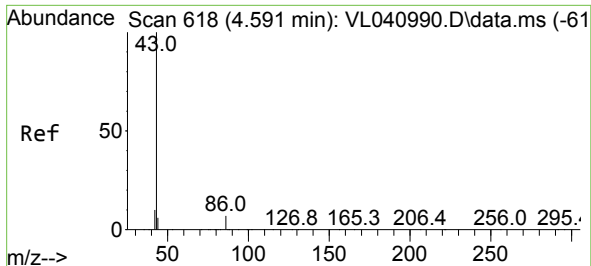
Tgt Ion: 41 Resp: 709129
 Ion Ratio Lower Upper
 41 100
 76 31.4 25.0 37.4
 39 84.5 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.743 ppbv
 RT: 4.423 min Scan# 566
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 96 Resp: 574136
 Ion Ratio Lower Upper
 96 100
 61 160.6 126.0 189.0
 98 62.5 51.2 76.8



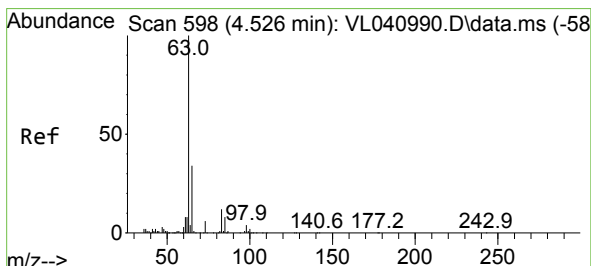
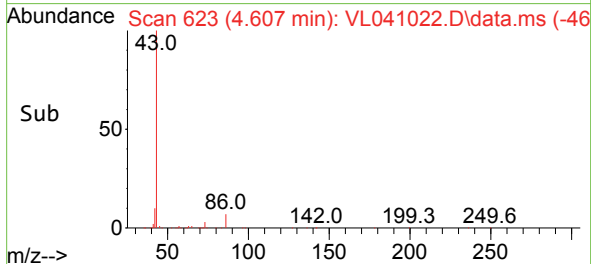
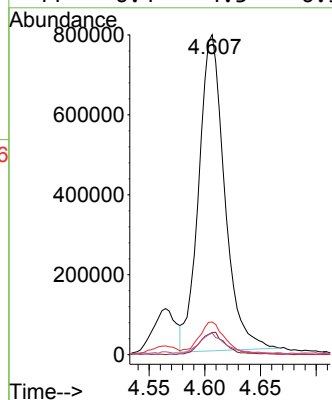
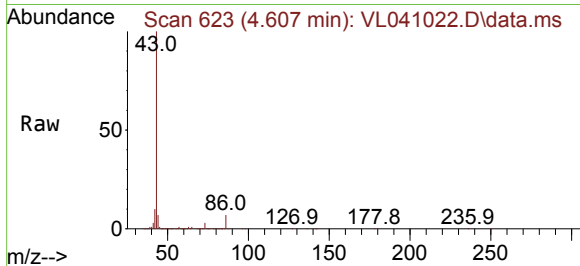


#23
 Vinyl Acetate
 Concen: 9.341 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1275962

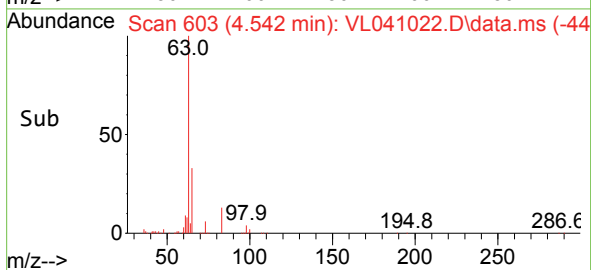
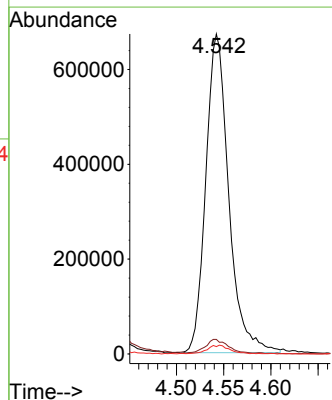
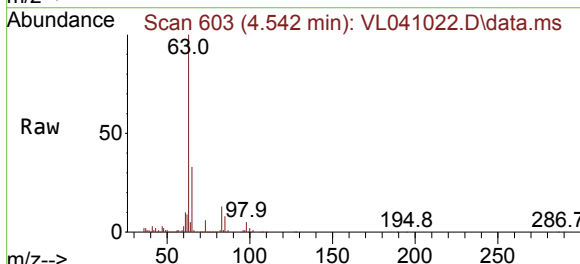
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.4	8.0
42	10.2	8.6	13.0
44	6.4	4.3	6.5

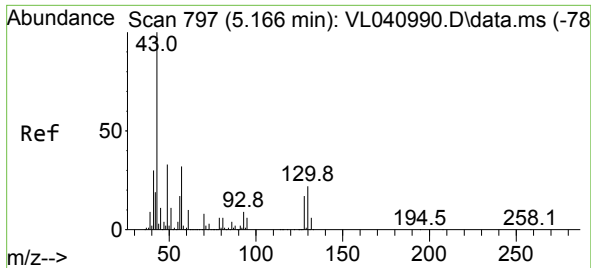


#24
 1,1-Dichloroethane
 Concen: 9.358 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 63 Resp: 1133986

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	2.2	1.3	3.9



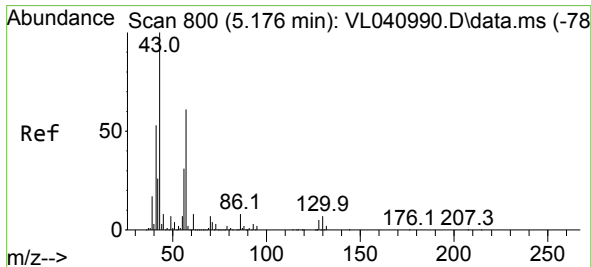
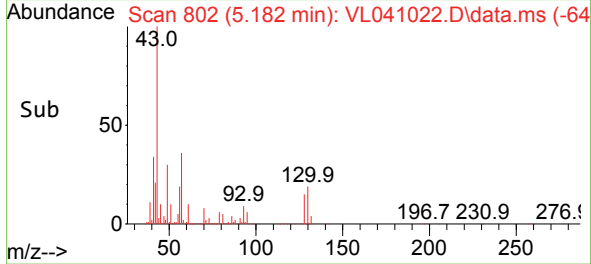
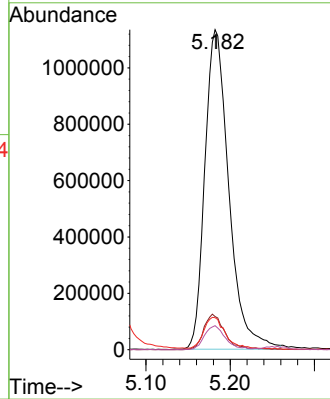
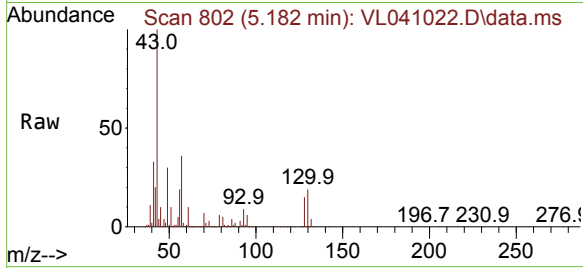


#25
Ethyl Acetate
Concen: 9.351 ppbv
RT: 5.182 min Scan# 802
Delta R.T. 0.016 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2246996

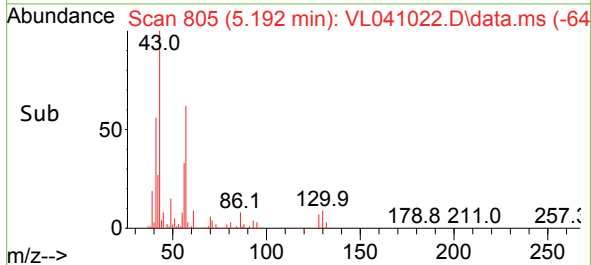
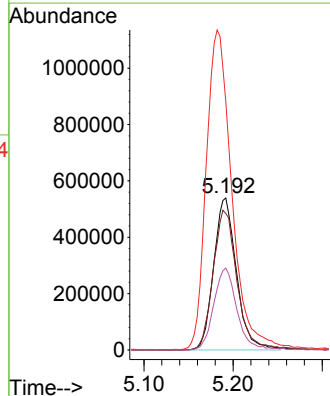
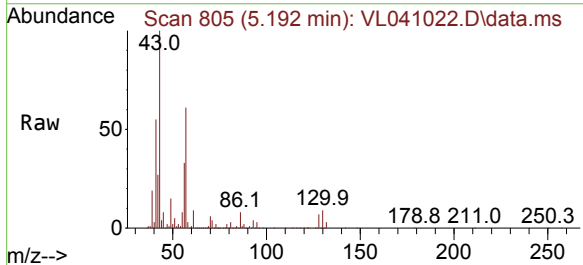
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.8	7.9	11.9
70	6.6	5.4	8.2

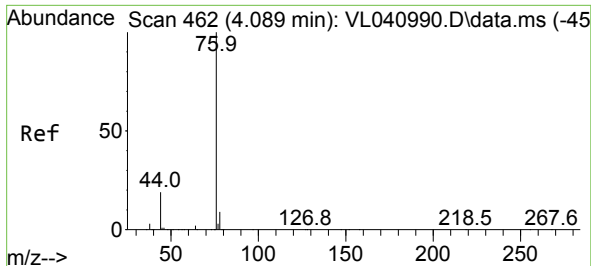


#26
Hexane
Concen: 9.335 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 57 Resp: 956134

Ion	Ratio	Lower	Upper
57	100		
41	98.0	74.4	111.6
43	237.9	190.6	285.8
56	55.3	43.0	64.4





#27

Carbon Disulfide

Concen: 10.216 ppbv

RT: 4.102 min Scan# 4

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

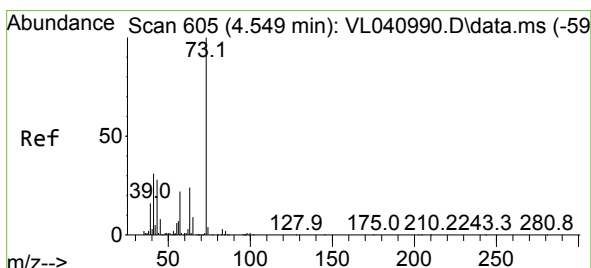
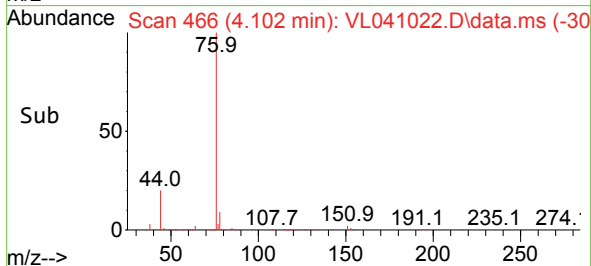
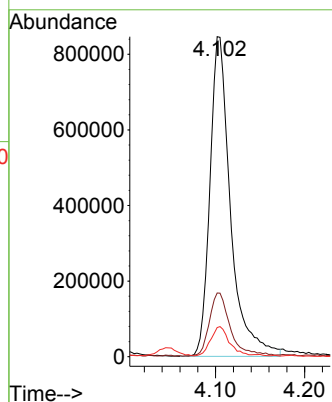
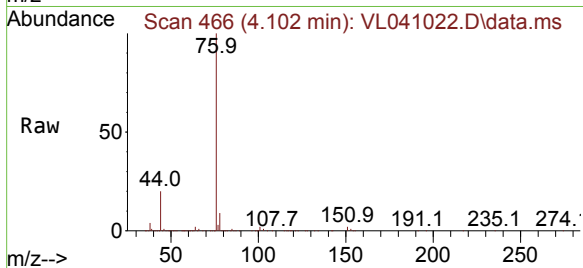
Tgt Ion: 76 Resp: 1361609

Ion Ratio Lower Upper

76 100

44 20.8 16.0 24.0

78 10.0 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 8.802 ppbv

RT: 4.565 min Scan# 610

Delta R.T. 0.013 min

Lab File: VL041022.D

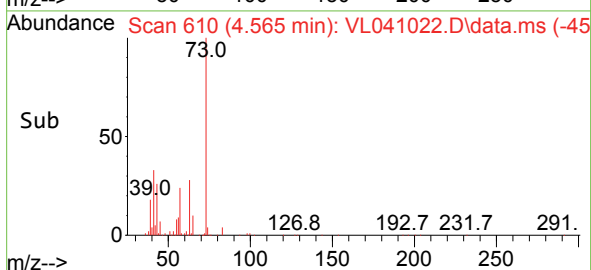
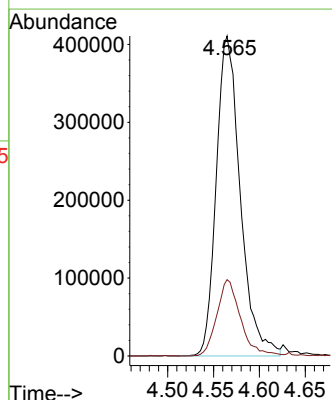
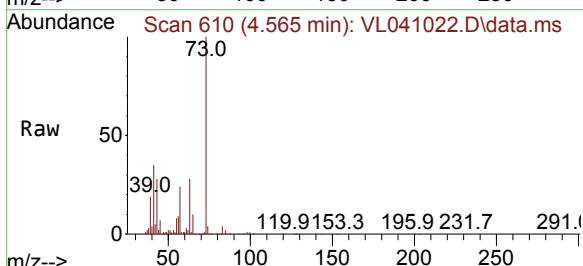
Acq: 24 Jan 2024 18:53

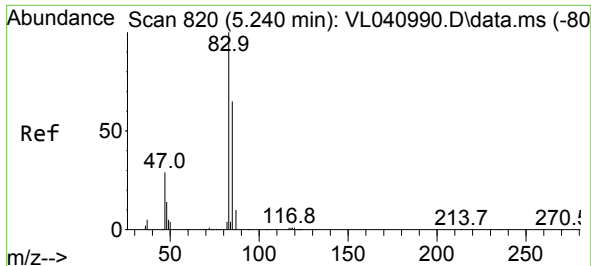
Tgt Ion: 73 Resp: 748222

Ion Ratio Lower Upper

73 100

57 24.1 18.0 27.0





#29

Chloroform

Concen: 9.381 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

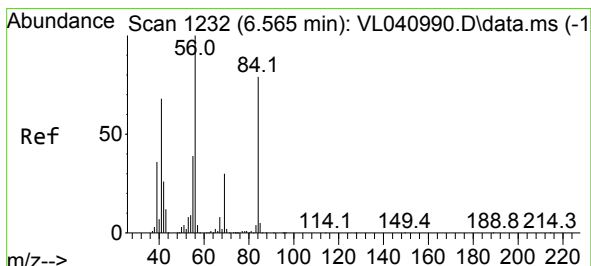
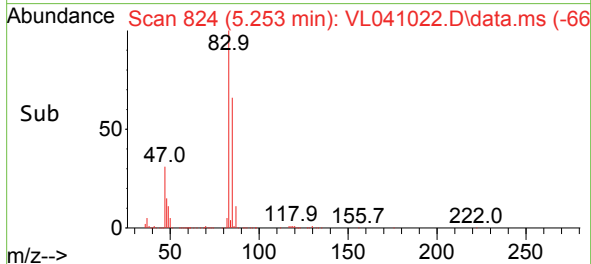
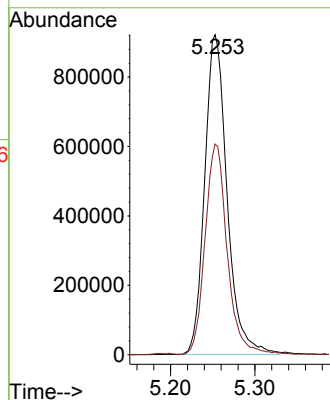
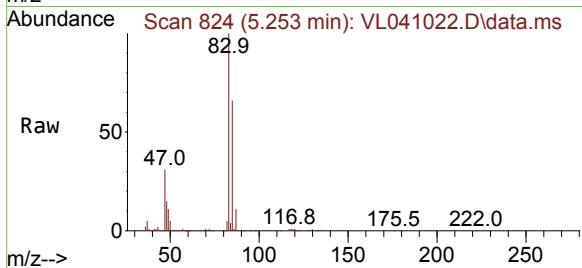
VSTDCCC010EC

Tgt Ion: 83 Resp: 1704232

Ion Ratio Lower Upper

83 100

85 65.8 51.6 77.4



#30

Cyclohexane

Concen: 9.729 ppbv

RT: 6.578 min Scan# 1236

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

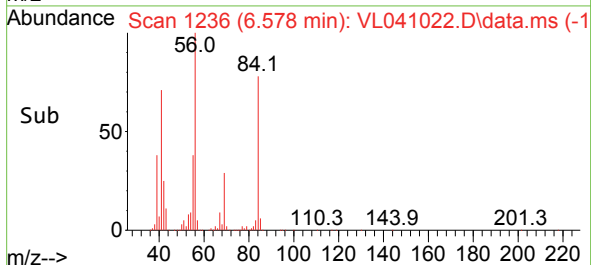
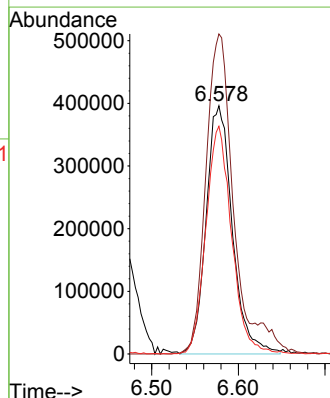
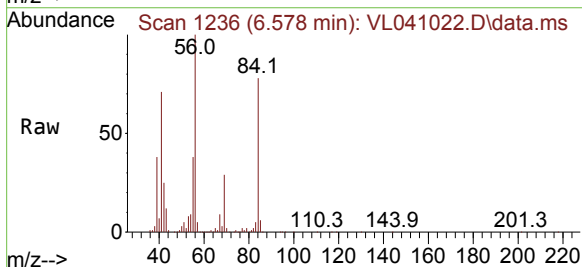
Tgt Ion: 84 Resp: 834911

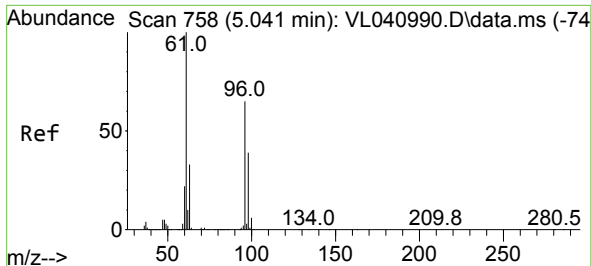
Ion Ratio Lower Upper

84 100

56 137.9 111.7 167.5

41 90.0 71.0 106.6

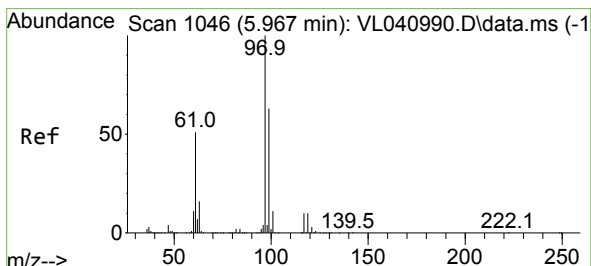
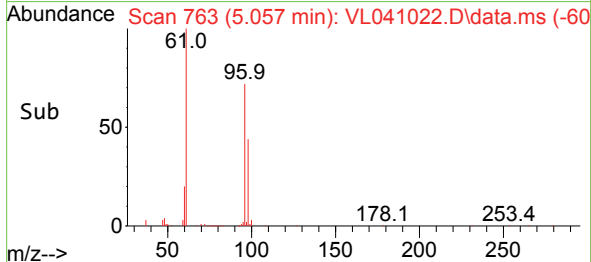
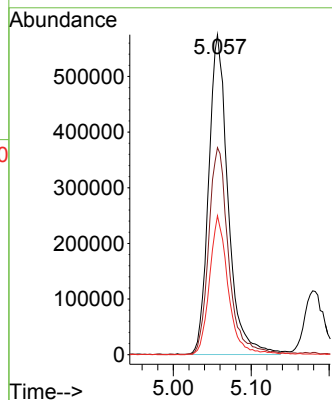
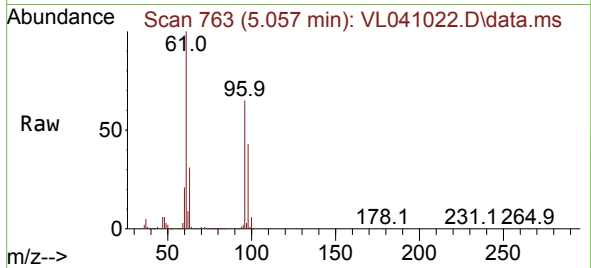




#31
 cis-1,2-Dichloroethene
 Concen: 10.338 ppbv
 RT: 5.057 min Scan# 70
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

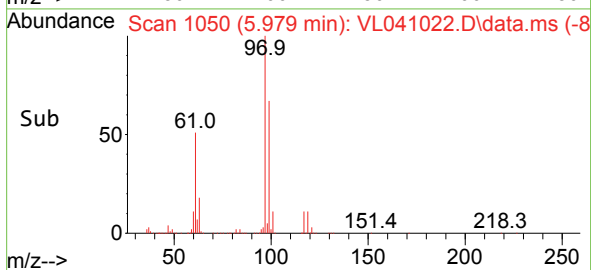
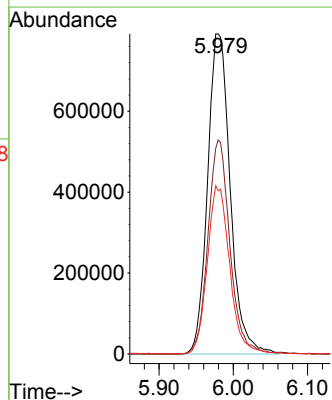
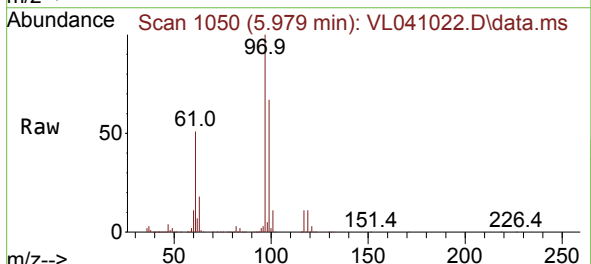
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

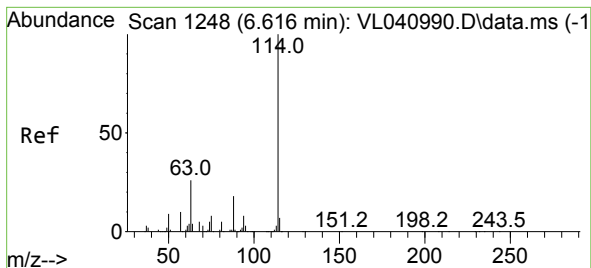
Tgt Ion: 61 Resp: 993816
 Ion Ratio Lower Upper
 61 100
 96 64.6 51.9 77.9
 98 43.4 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 9.668 ppbv
 RT: 5.979 min Scan# 1050
 Delta R.T. 0.010 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 97 Resp: 1678700
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 52.4 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 114

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

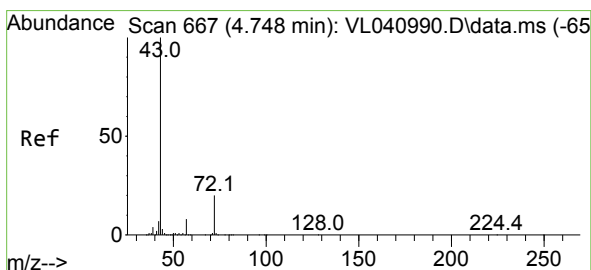
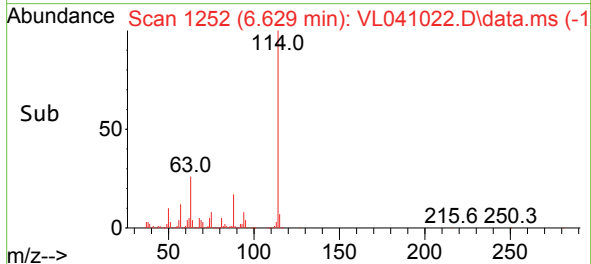
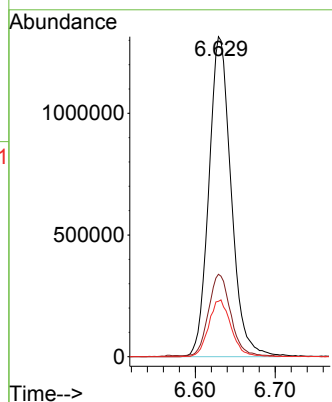
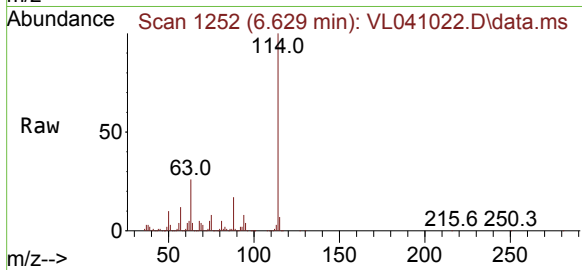
Tgt Ion:114 Resp: 2543117

Ion Ratio Lower Upper

114 100

63 26.5 20.8 31.2

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 10.136 ppbv

RT: 4.764 min Scan# 672

Delta R.T. 0.013 min

Lab File: VL041022.D

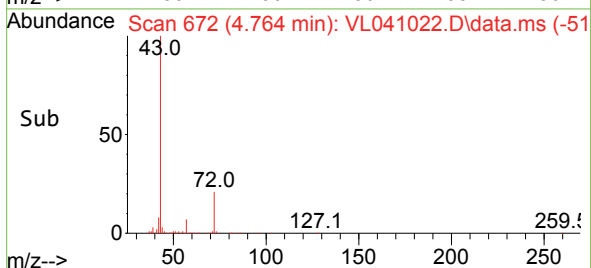
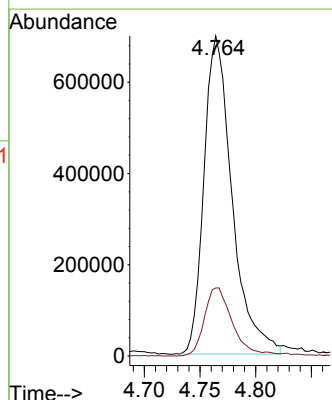
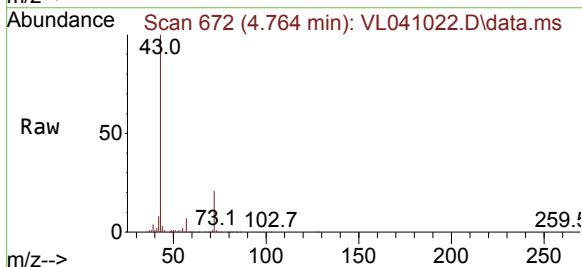
Acq: 24 Jan 2024 18:53

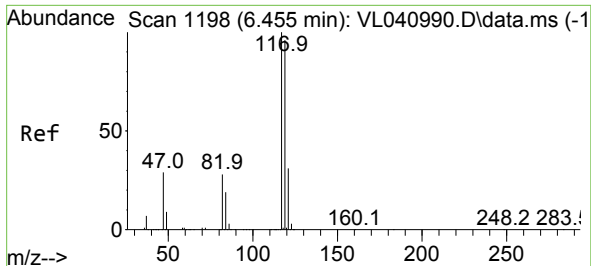
Tgt Ion: 43 Resp: 1228058

Ion Ratio Lower Upper

43 100

72 22.1 17.5 26.3

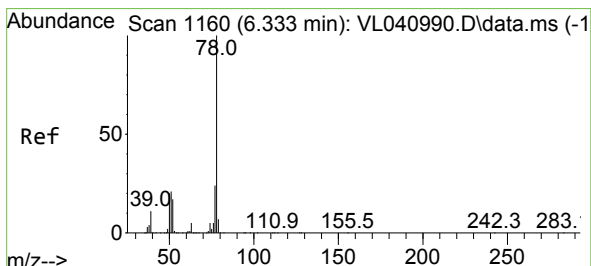
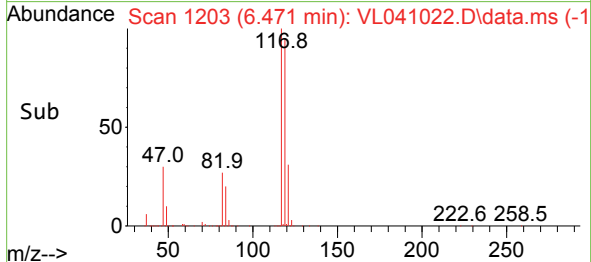
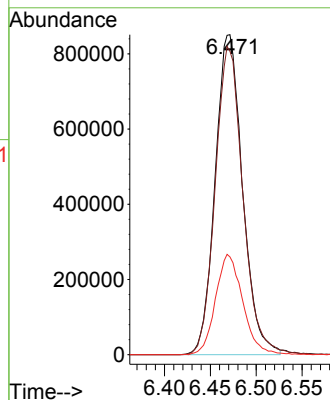
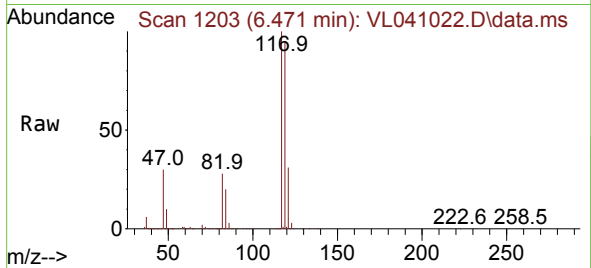




#35
Carbon Tetrachloride
Concen: 10.431 ppbv
RT: 6.471 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

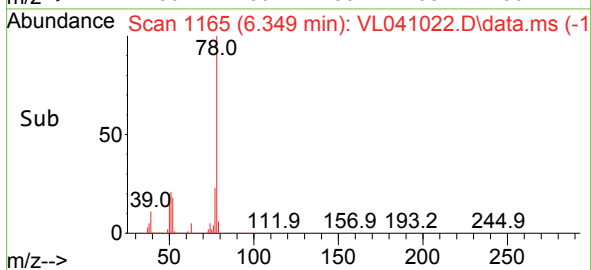
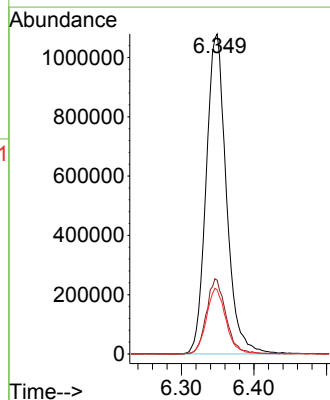
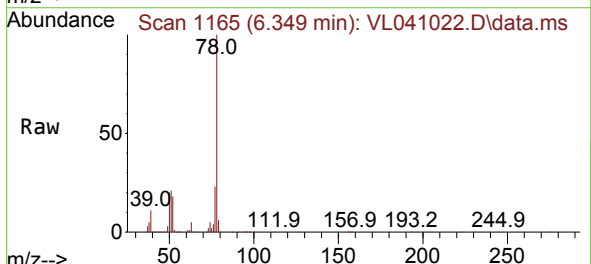
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

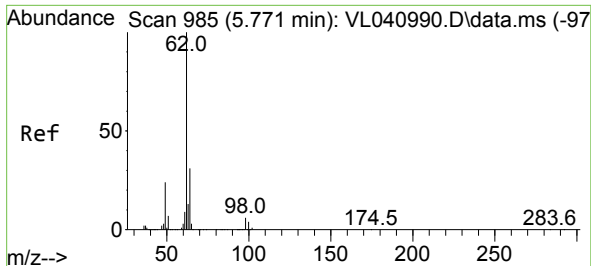
Tgt Ion:117 Resp: 1768901
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3
121 30.5 24.7 37.1



#36
Benzene
Concen: 9.945 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 78 Resp: 2088737
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4
50 20.0 15.8 23.6





#37

1,2-Dichloroethane

Concen: 10.126 ppbv

RT: 5.783 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

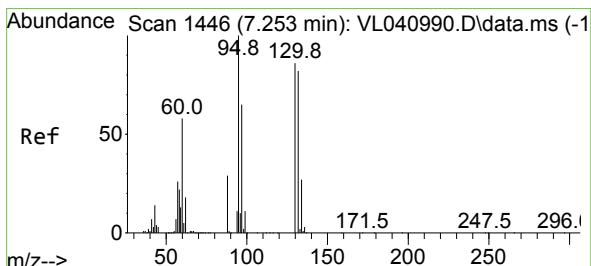
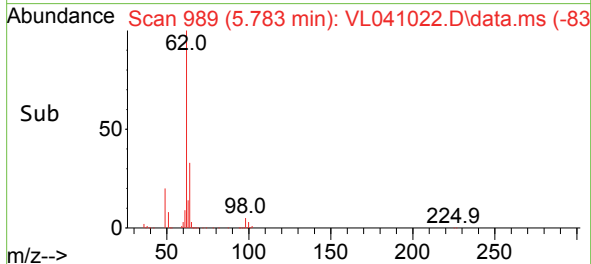
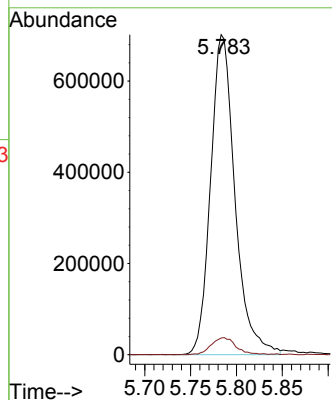
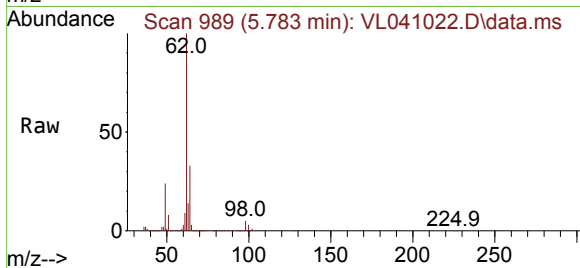
VSTDCCC010EC

Tgt Ion: 62 Resp: 1297914

Ion Ratio Lower Upper

62 100

98 5.4 4.7 7.1



#38

Trichloroethene

Concen: 9.829 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Tgt Ion:130 Resp: 827664

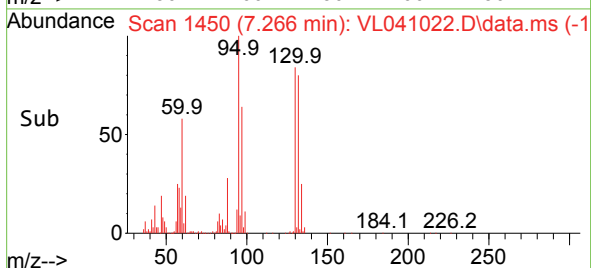
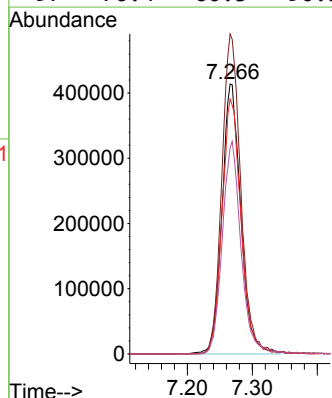
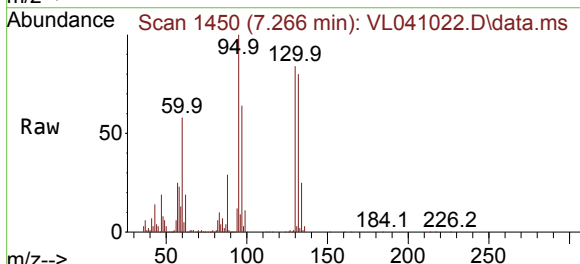
Ion Ratio Lower Upper

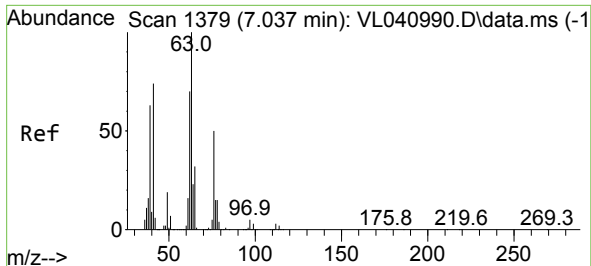
130 100

95 118.5 92.9 139.3

132 94.4 76.2 114.2

97 76.4 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.796 ppbv

RT: 7.050 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

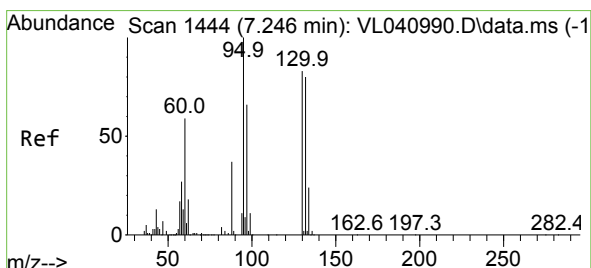
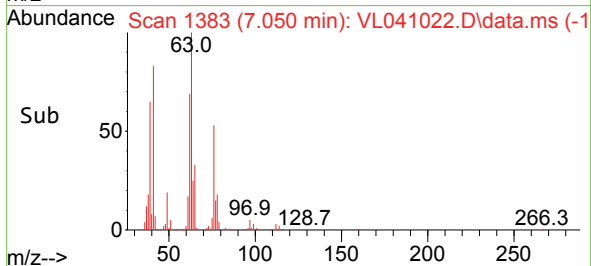
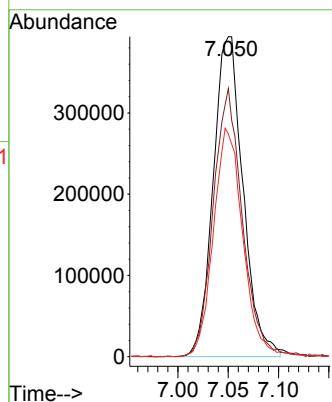
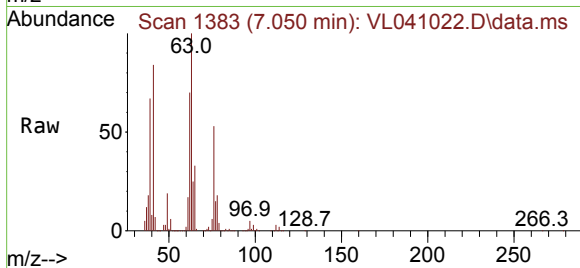
Tgt Ion: 63 Resp: 810484

Ion Ratio Lower Upper

63 100

41 83.7 59.6 89.4

62 69.5 55.6 83.4



#40

1,4-Dioxane

Concen: 9.567 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Tgt Ion: 88 Resp: 328765

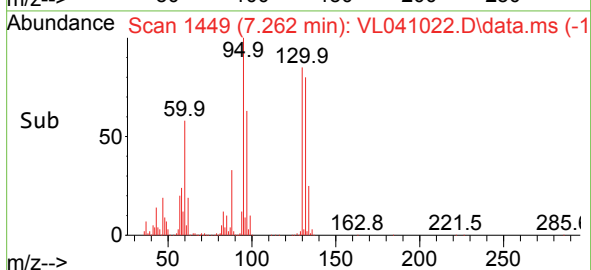
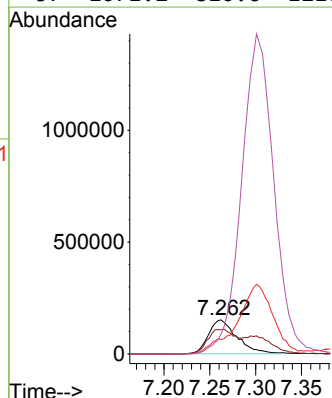
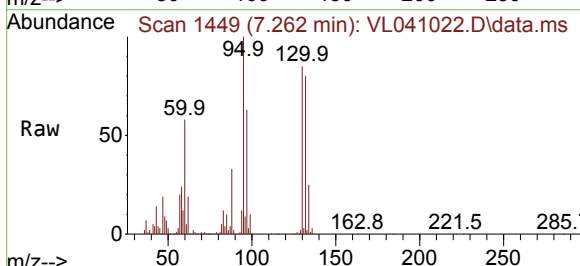
Ion Ratio Lower Upper

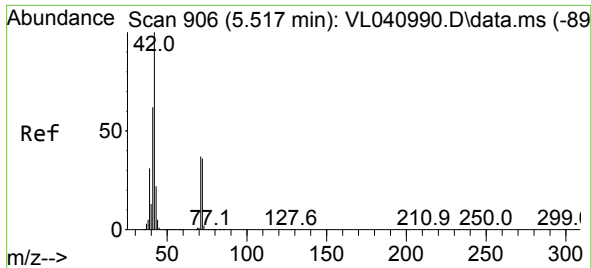
88 100

58 124.3 96.6 144.8

43 258.3 191.0 286.6

57 1071.2 810.6 1216.0

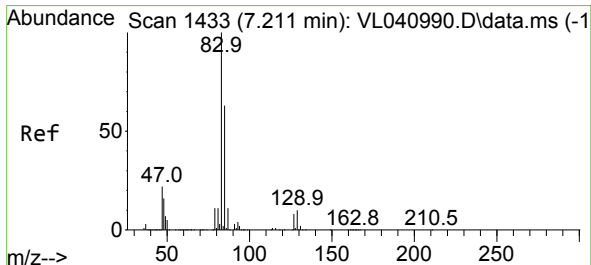
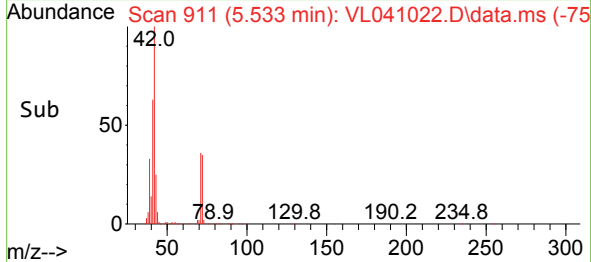
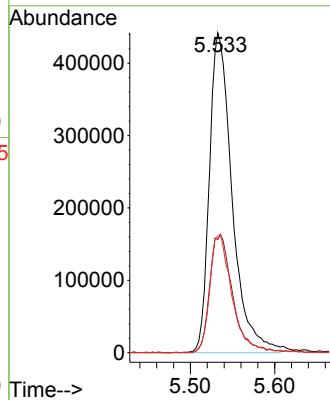
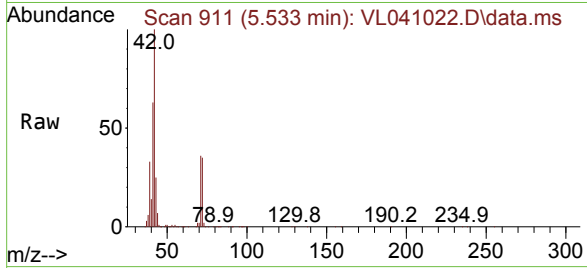




#41
Tetrahydrofuran
Concen: 10.086 ppbv
RT: 5.533 min Scan# 911
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

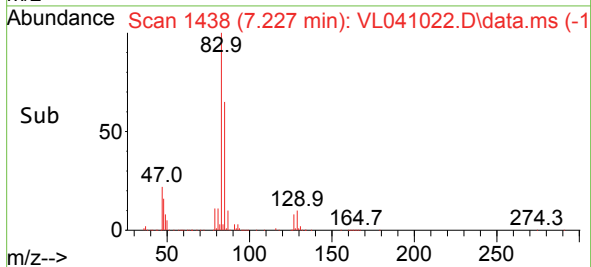
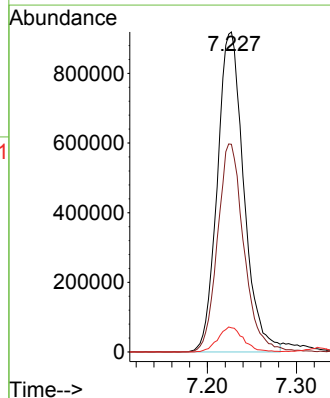
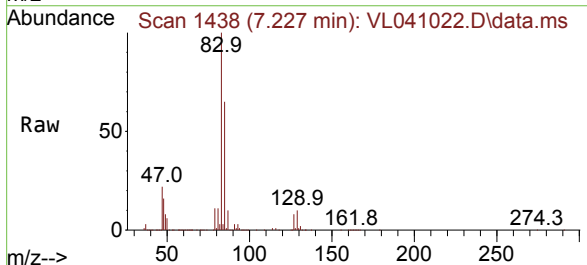
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

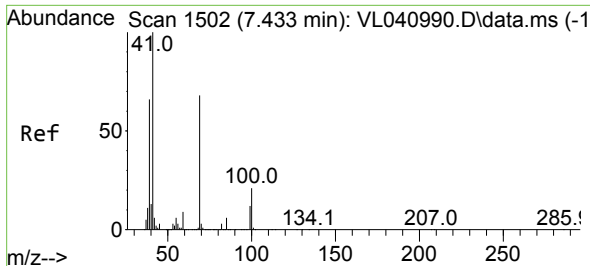
Tgt Ion: 42 Resp: 829673
Ion Ratio Lower Upper
42 100
72 37.8 30.0 45.0
71 36.5 29.5 44.3



#42
Bromodichloromethane
Concen: 10.345 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 83 Resp: 1897154
Ion Ratio Lower Upper
83 100
85 64.9 50.5 75.7
127 7.5 6.4 9.6

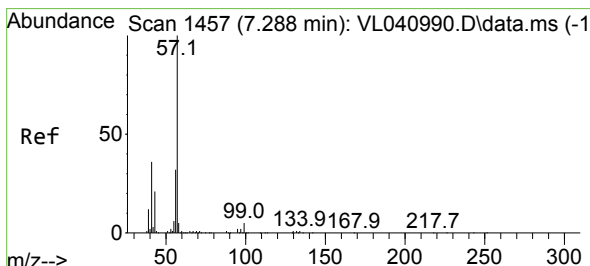
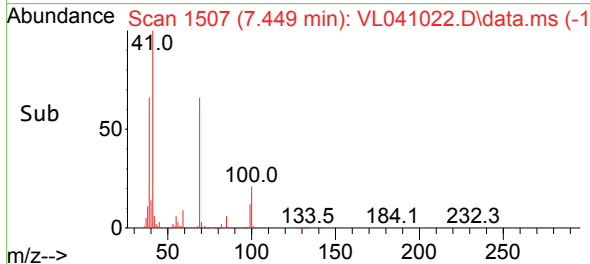
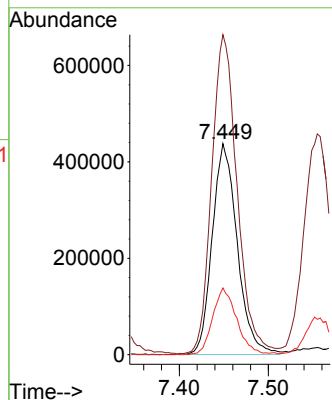
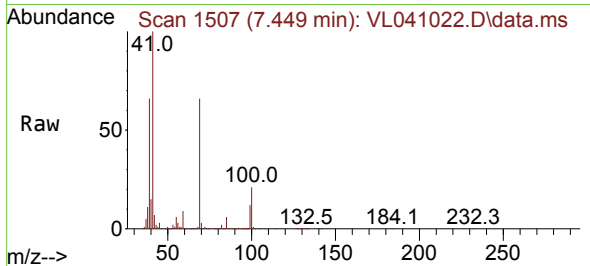




#43
Methyl Methacrylate
Concen: 10.549 ppbv
RT: 7.449 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

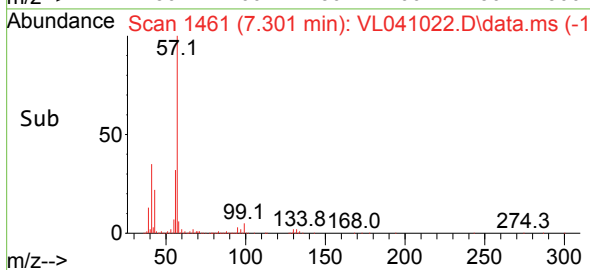
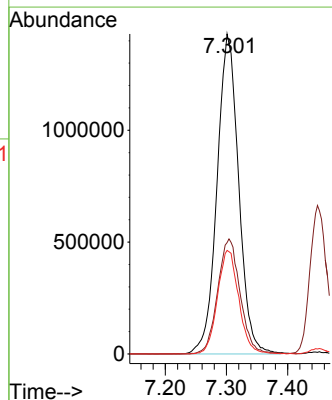
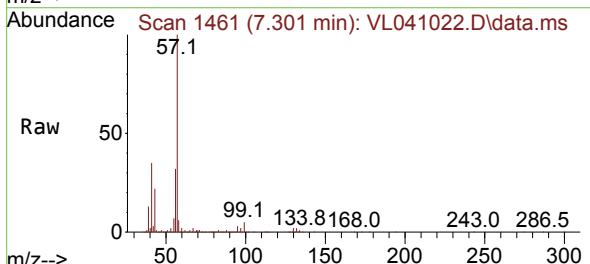
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

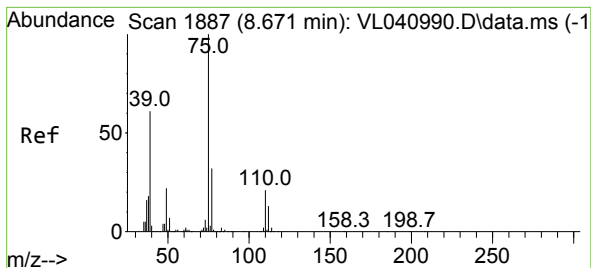
Tgt Ion: 69 Resp: 854947
Ion Ratio Lower Upper
69 100
41 154.1 120.2 180.2
100 30.6 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 9.951 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 57 Resp: 3516684
Ion Ratio Lower Upper
57 100
41 37.4 28.6 43.0
56 31.9 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 6.687 ppbv

RT: 8.684 min Scan# 1887

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

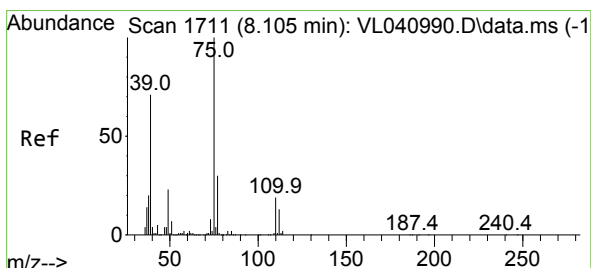
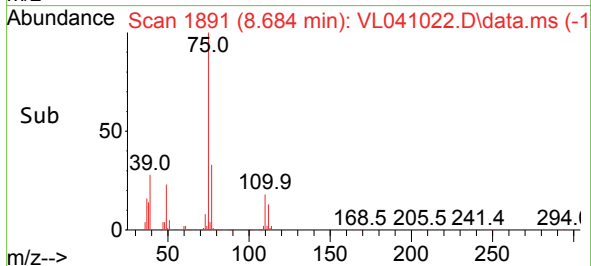
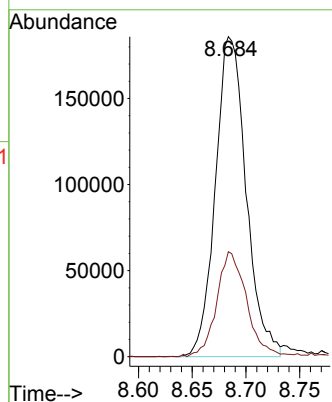
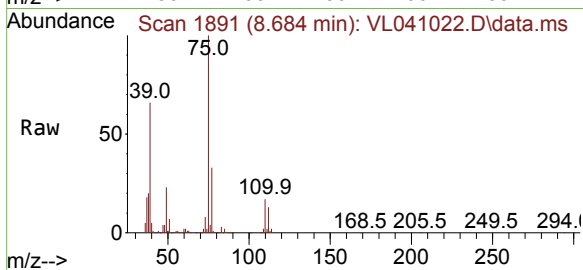
VSTDCCC010EC

Tgt Ion: 75 Resp: 370329

Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 7.414 ppbv

RT: 8.121 min Scan# 1716

Delta R.T. 0.016 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

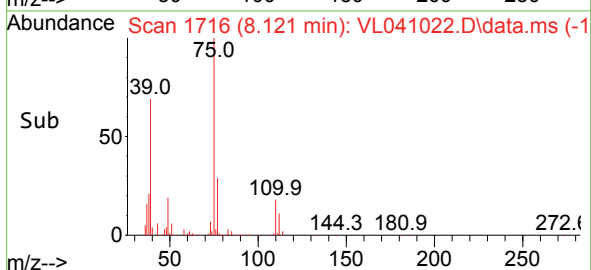
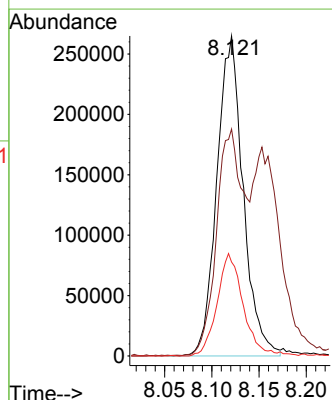
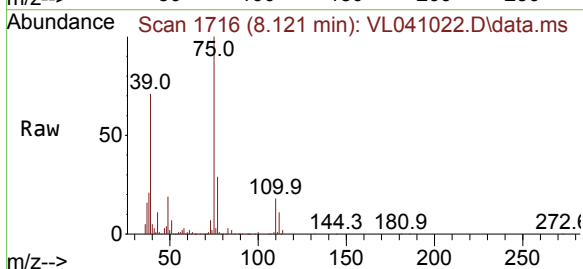
Tgt Ion: 75 Resp: 512020

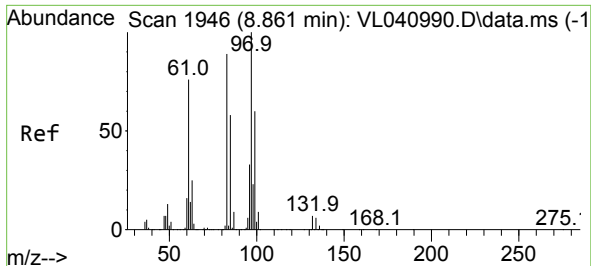
Ion Ratio Lower Upper

75 100

39 70.7 57.3 85.9

77 29.3 24.3 36.5

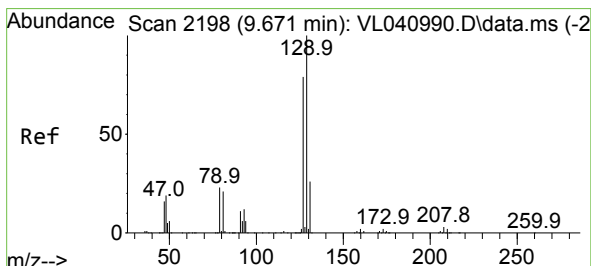
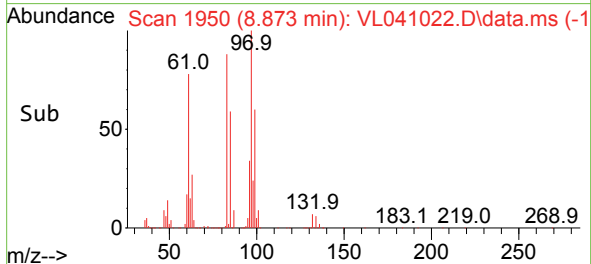
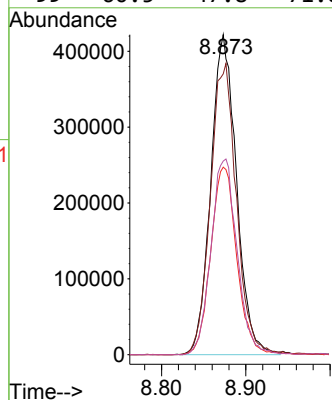
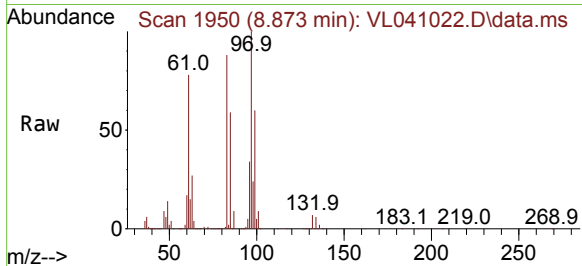




#47
 1,1,2-Trichloroethane
 Concen: 9.992 ppbv
 RT: 8.873 min Scan# 1946
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

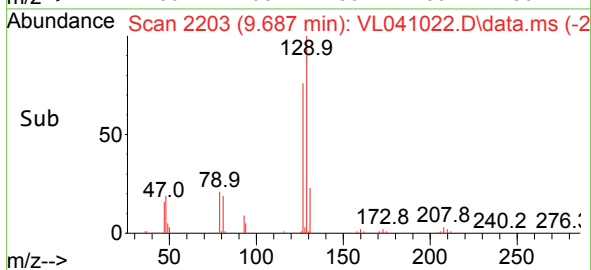
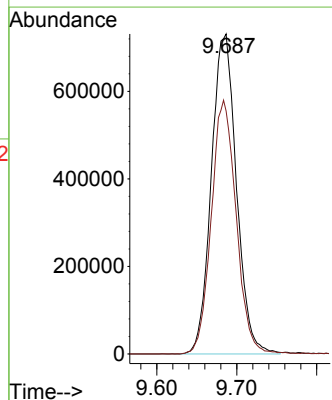
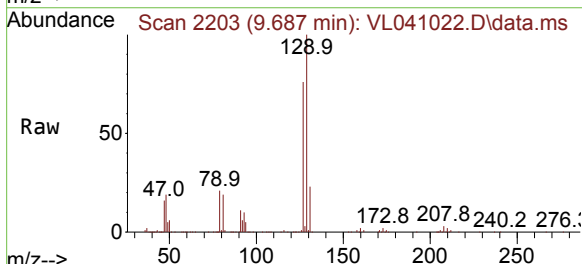
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

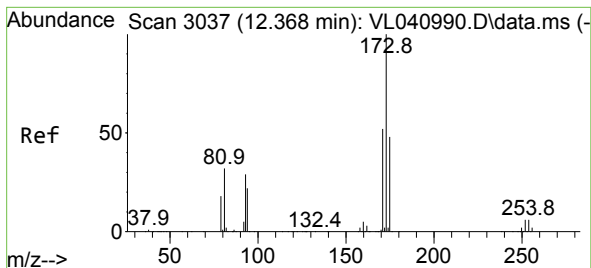
Tgt Ion: 97 Resp: 891088
 Ion Ratio Lower Upper
 97 100
 83 87.6 71.5 107.3
 85 58.6 46.1 69.1
 99 60.5 47.8 71.8



#48
 Dibromochloromethane
 Concen: 10.582 ppbv
 RT: 9.687 min Scan# 2203
 Delta R.T. 0.016 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Tgt Ion: 129 Resp: 1595569
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.6 119.0





#49

Bromoform

Concen: 10.930 ppbv

RT: 12.378 min Scan# 3037

Delta R.T. 0.006 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

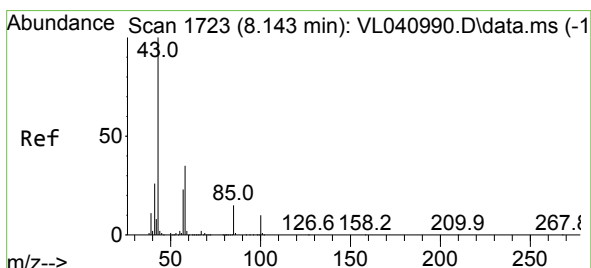
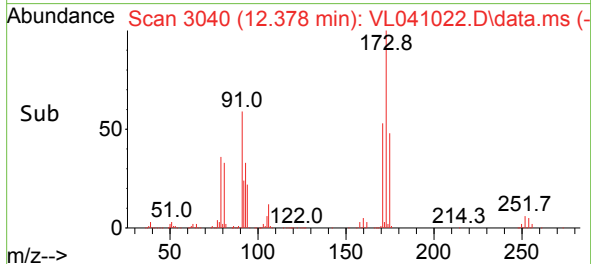
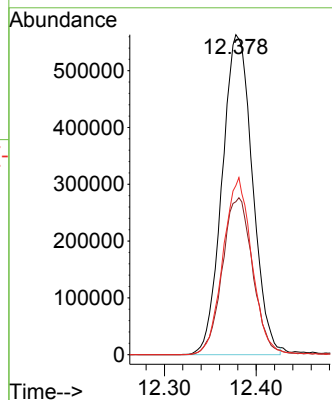
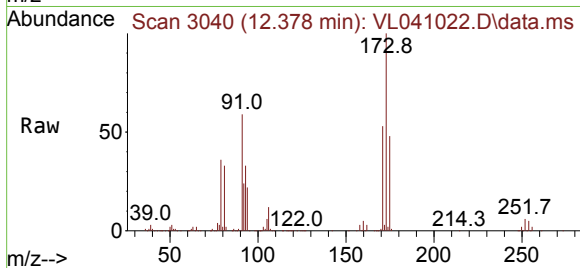
Tgt Ion:173 Resp: 1292679

Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.4

171 53.2 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.687 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.013 min

Lab File: VL041022.D

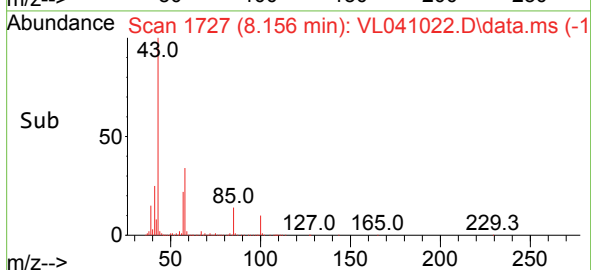
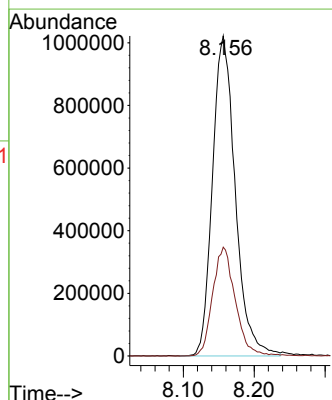
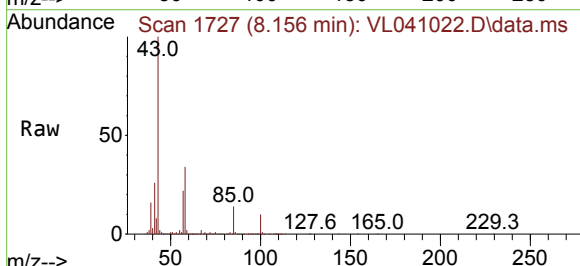
Acq: 24 Jan 2024 18:53

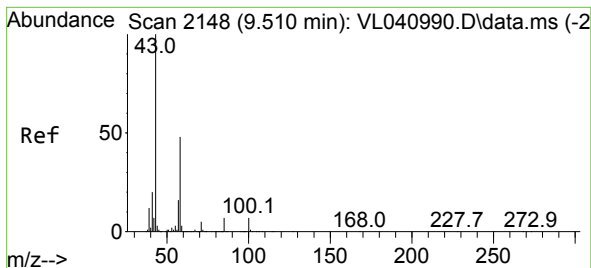
Tgt Ion: 43 Resp: 2280222

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.8





#51

2-Hexanone

Concen: 10.634 ppbv

RT: 9.526 min Scan# 2148

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

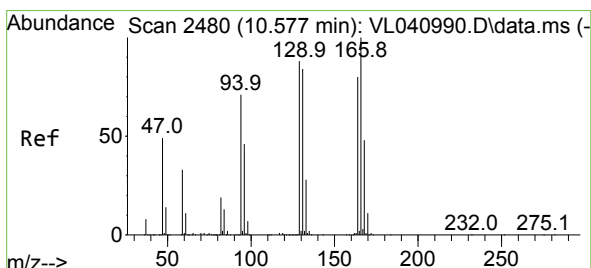
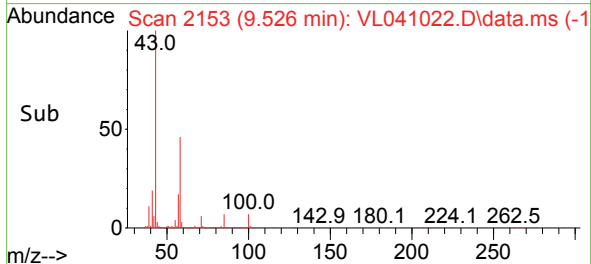
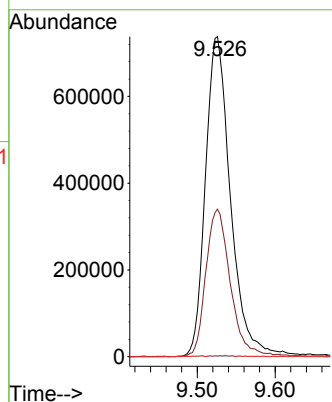
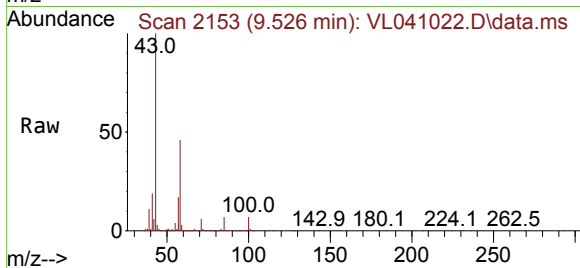
Tgt Ion: 43 Resp: 1635465

Ion Ratio Lower Upper

43 100

58 45.9 36.8 55.2

98 0.5 0.3 0.5#



#52

Tetrachloroethene

Concen: 9.983 ppbv

RT: 10.590 min Scan# 2484

Delta R.T. 0.016 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Tgt Ion:164 Resp: 696340

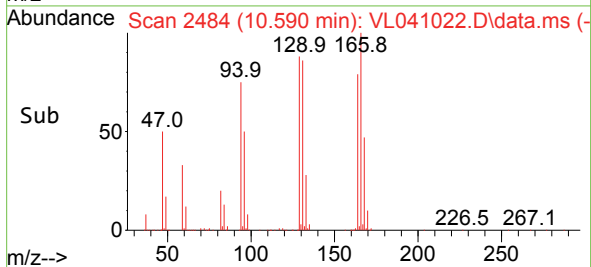
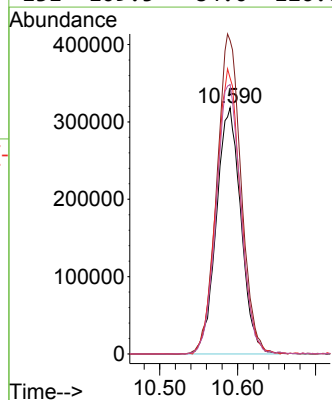
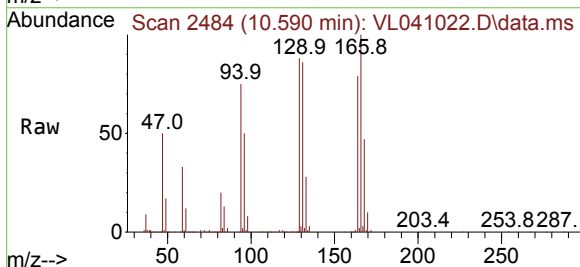
Ion Ratio Lower Upper

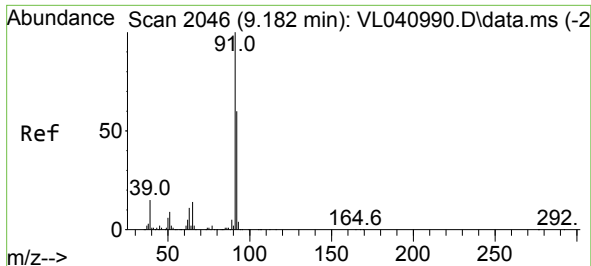
164 100

166 127.3 100.2 150.2

129 112.0 87.9 131.9

131 109.5 84.0 126.0

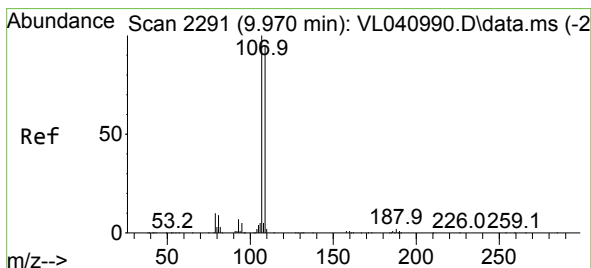
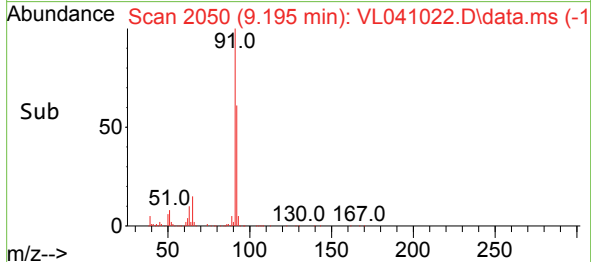
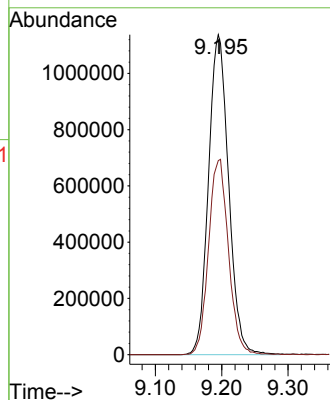
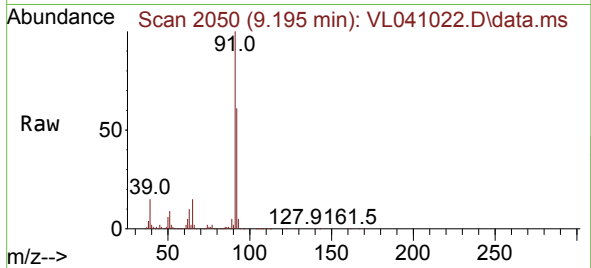




#53
Toluene
Concen: 10.403 ppbv
RT: 9.195 min Scan# 2046
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

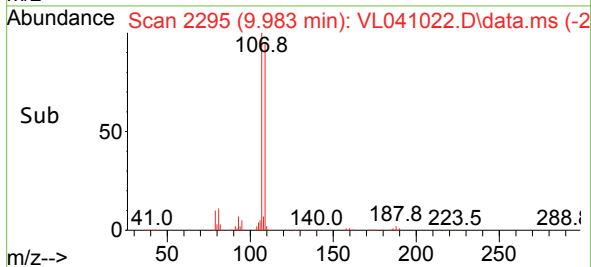
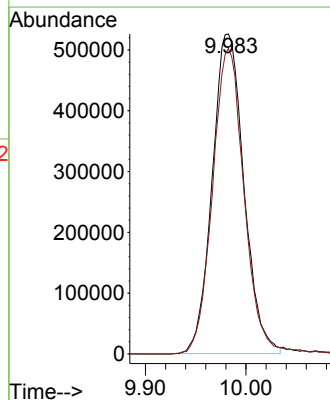
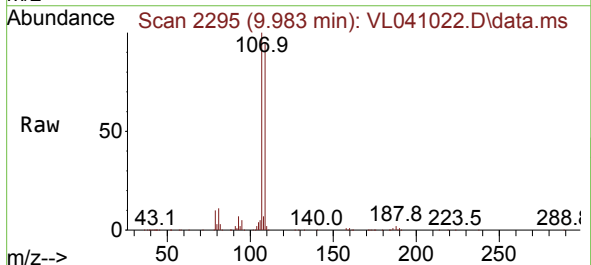
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

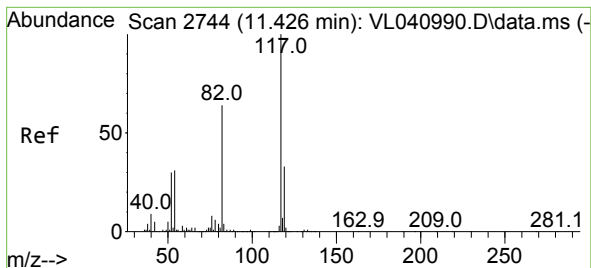
Tgt Ion: 91 Resp: 2393489
Ion Ratio Lower Upper
91 100
92 60.5 48.6 72.8



#54
1,2-Dibromoethane
Concen: 9.537 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 107 Resp: 1151915
Ion Ratio Lower Upper
107 100
109 95.2 76.1 114.1

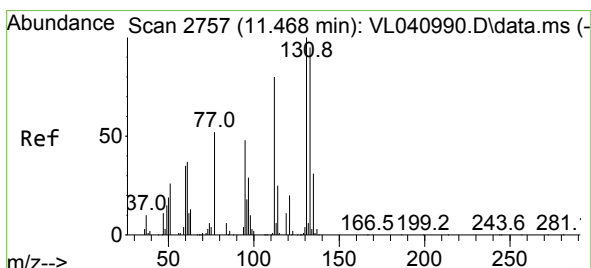
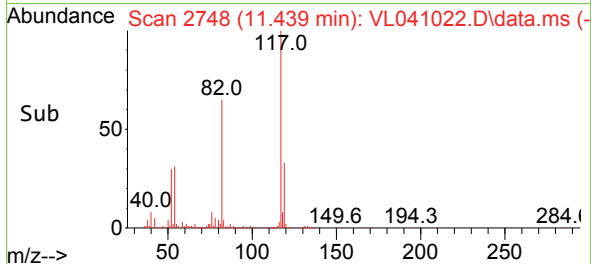
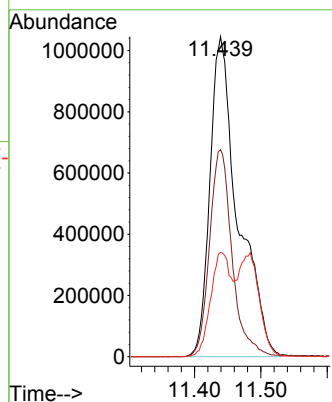
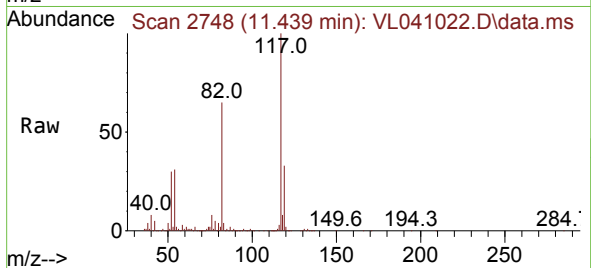




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

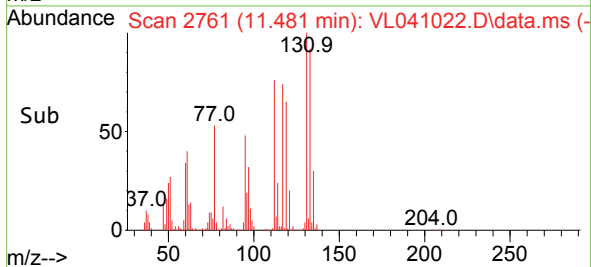
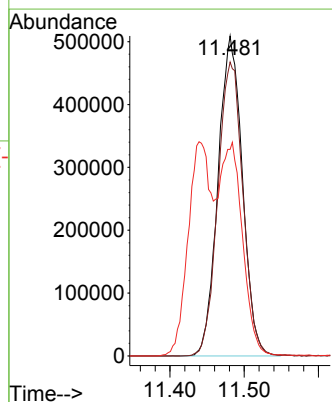
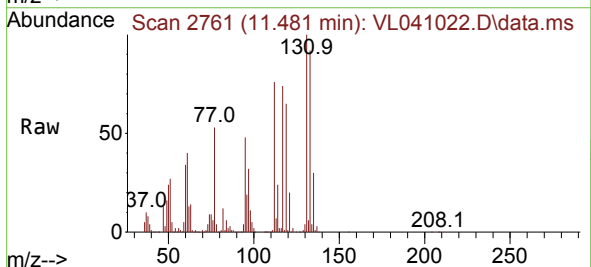
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

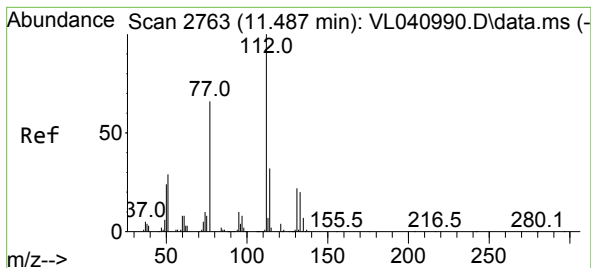
Tgt Ion:117 Resp: 3076971
Ion Ratio Lower Upper
117 100
82 52.0 51.7 77.5
119 25.1 23.8 35.6



#56
1,1,1,2-Tetrachloroethane
Concen: 7.852 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.013 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion:131 Resp: 1159221
Ion Ratio Lower Upper
131 100
133 94.7 75.9 113.9
119 66.7 49.2 73.8





#57

Chlorobenzene

Concen: 7.536 ppbv

RT: 11.500 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

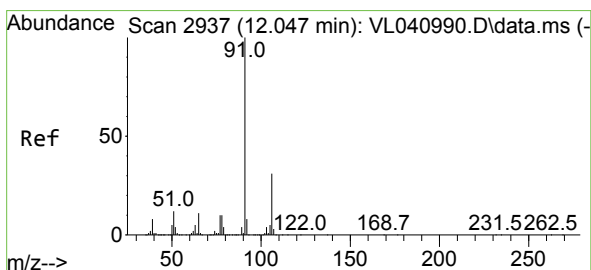
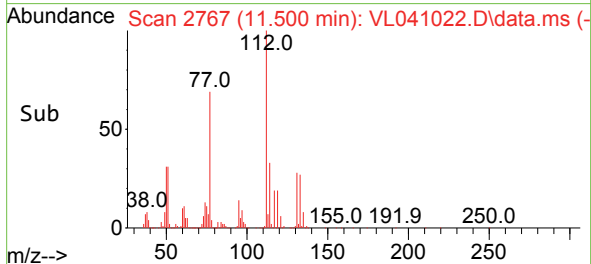
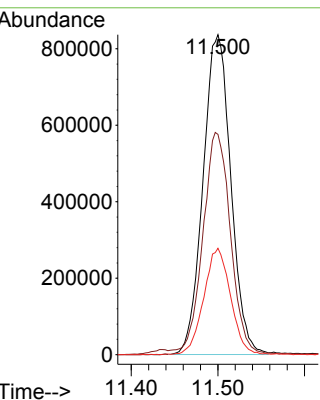
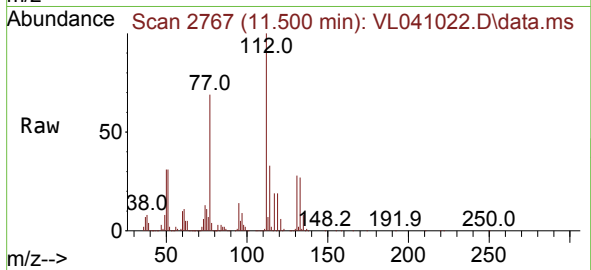
Tgt Ion:112 Resp: 1865254

Ion Ratio Lower Upper

112 100

77 68.3 53.4 80.0

114 33.1 29.1 35.5



#58

Ethyl Benzene

Concen: 7.934 ppbv

RT: 12.060 min Scan# 2941

Delta R.T. 0.010 min

Lab File: VL041022.D

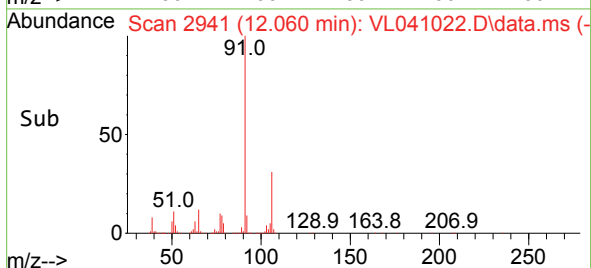
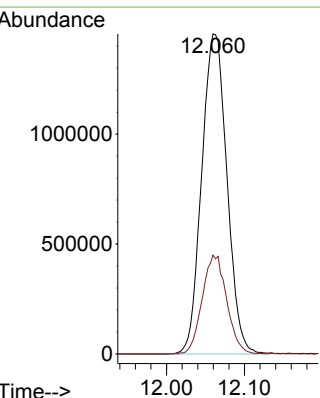
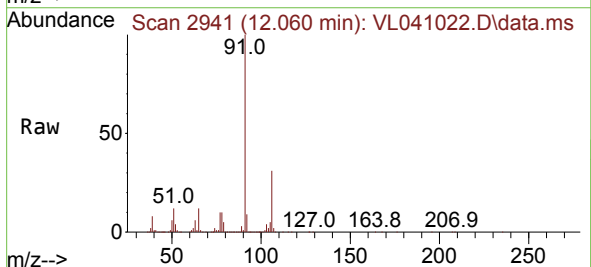
Acq: 24 Jan 2024 18:53

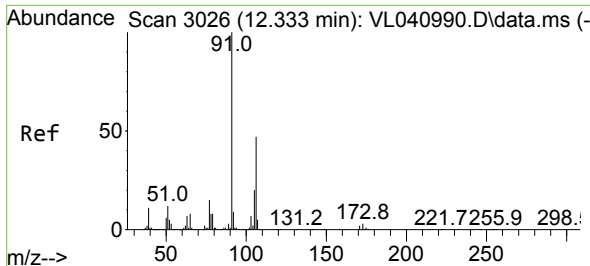
Tgt Ion: 91 Resp: 3278220

Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2





#59

m/p-Xylene

Concen: 3.526 ppbv

RT: 12.339 min Scan# 3026

Delta R.T. 0.006 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

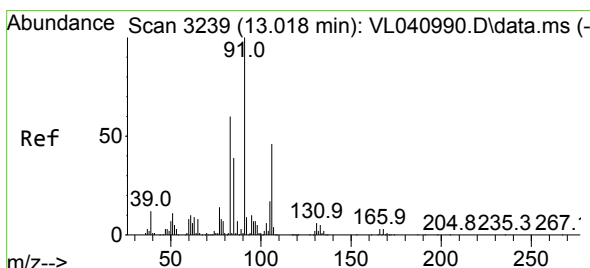
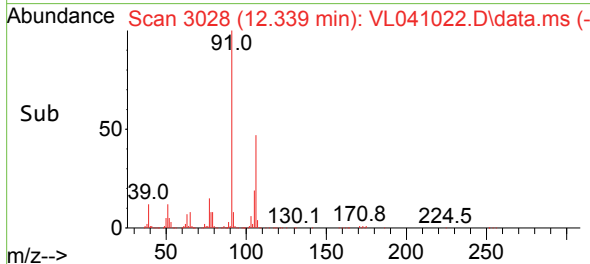
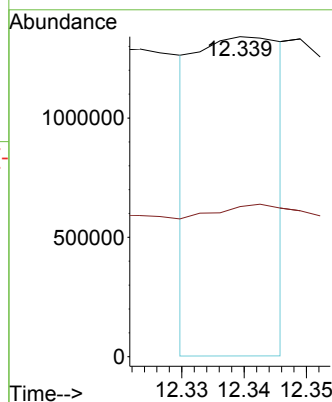
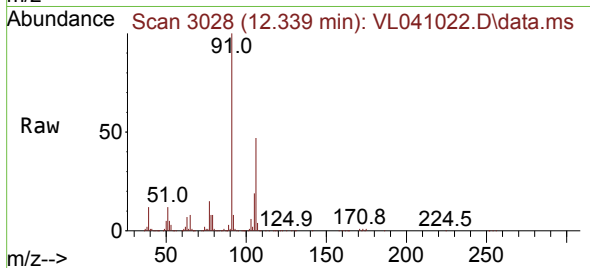
VSTDCCC010EC

Tgt Ion: 91 Resp: 1270420

Ion Ratio Lower Upper

91 100

106 194.4 34.9 52.3#



#60

o-Xylene

Concen: 7.946 ppbv

RT: 13.031 min Scan# 3243

Delta R.T. 0.006 min

Lab File: VL041022.D

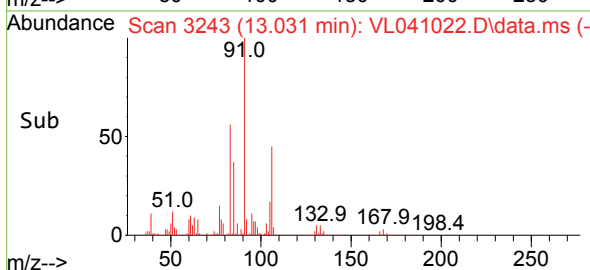
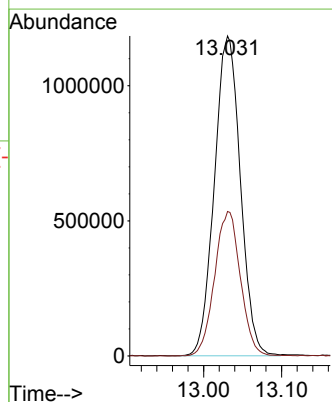
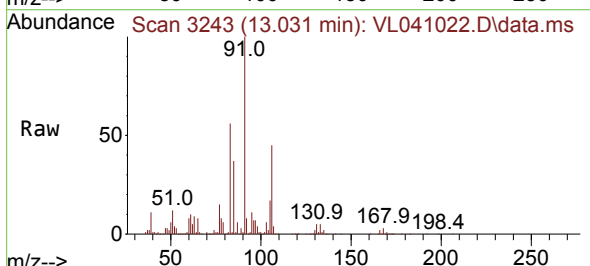
Acq: 24 Jan 2024 18:53

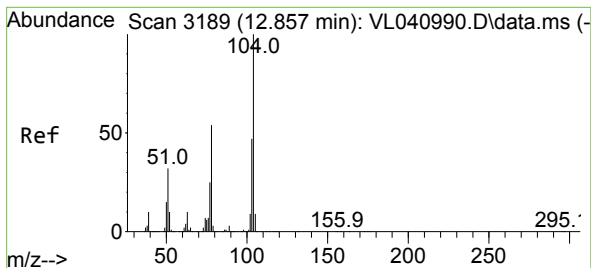
Tgt Ion: 91 Resp: 2746425

Ion Ratio Lower Upper

91 100

106 45.0 22.6 67.7





#61

Styrene

Concen: 8.397 ppbv

RT: 12.870 min Scan# 3189

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

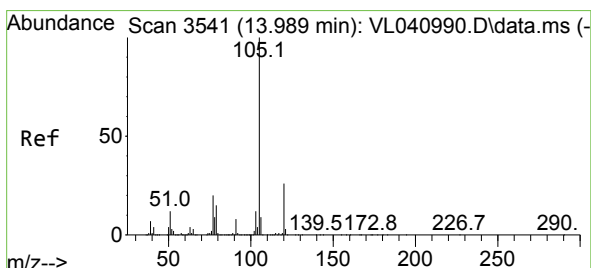
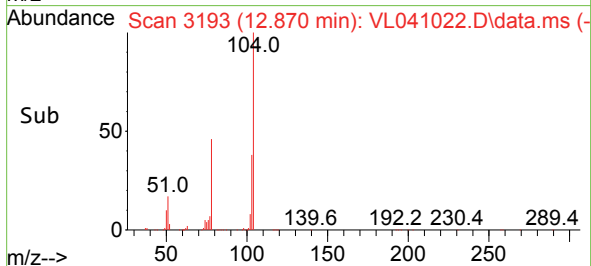
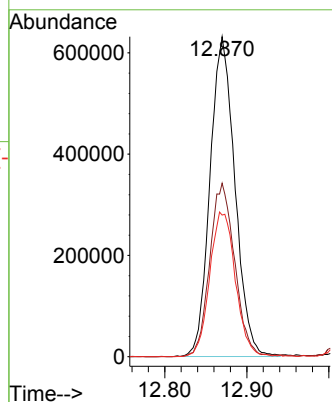
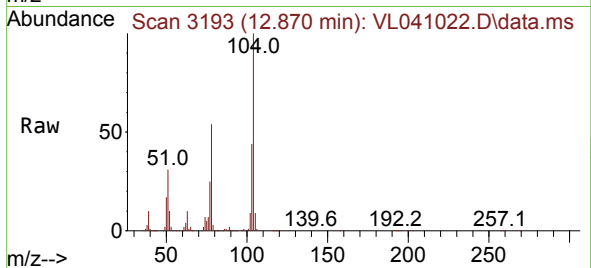
Tgt Ion:104 Resp: 1332627

Ion Ratio Lower Upper

104 100

78 54.8 42.7 64.1

103 47.0 37.6 56.4



#62

Isopropylbenzene

Concen: 7.775 ppbv

RT: 13.998 min Scan# 3544

Delta R.T. 0.006 min

Lab File: VL041022.D

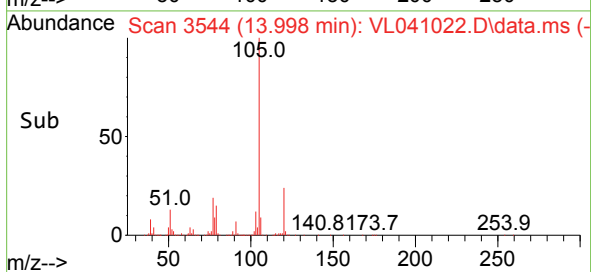
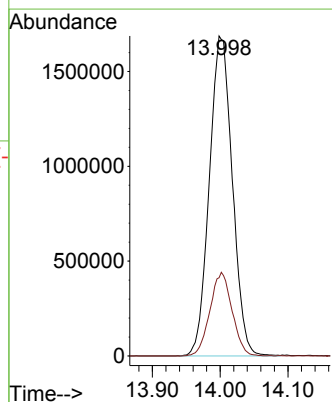
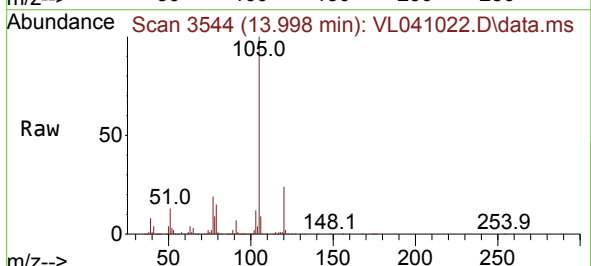
Acq: 24 Jan 2024 18:53

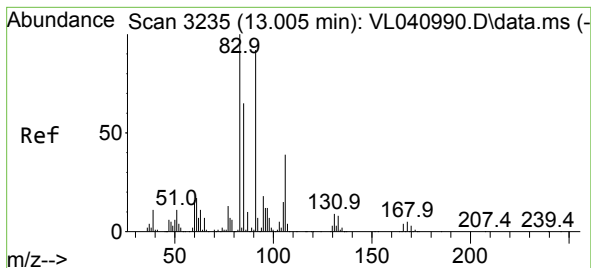
Tgt Ion:105 Resp: 3974499

Ion Ratio Lower Upper

105 100

120 25.2 20.9 31.3

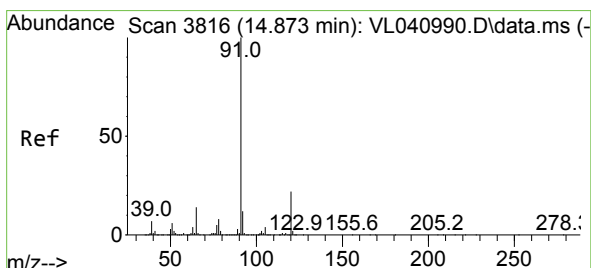
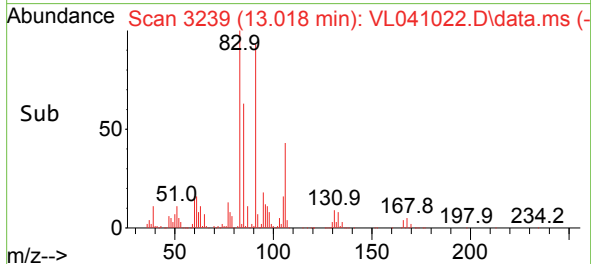
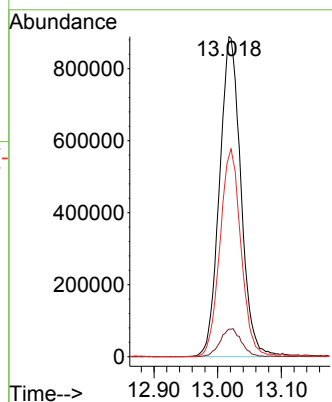
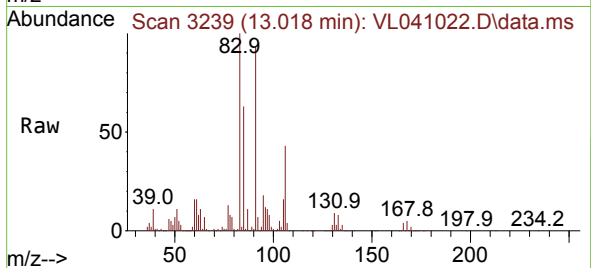




#63
1,1,2,2-Tetrachloroethane
Concen: 7.697 ppbv
RT: 13.018 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

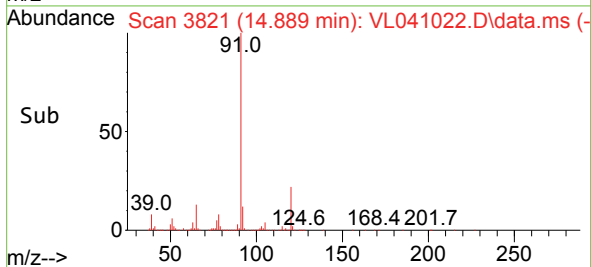
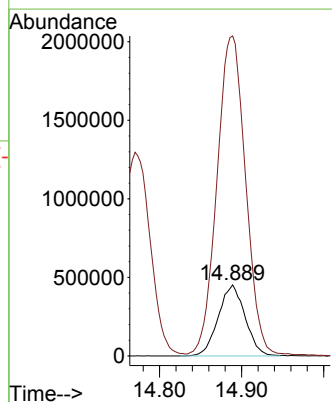
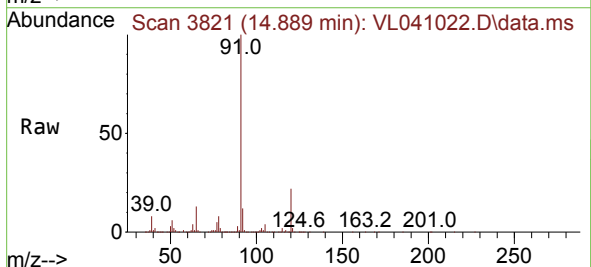
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

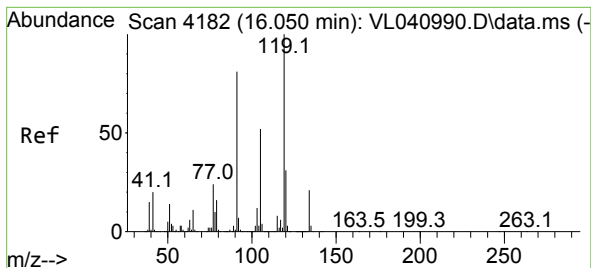
Tgt Ion: 83 Resp: 2067674
Ion Ratio Lower Upper
83 100
131 8.8 4.6 13.8
85 64.6 33.0 99.0



#64
n-propylbenzene
Concen: 7.961 ppbv
RT: 14.889 min Scan# 3821
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 120 Resp: 1028138
Ion Ratio Lower Upper
120 100
91 483.5 390.6 585.8





#65

tert-Butylbenzene

Concen: 7.807 ppbv

RT: 16.063 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

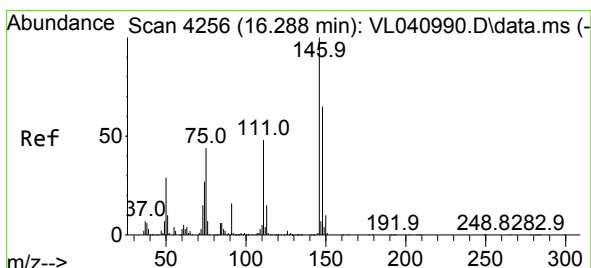
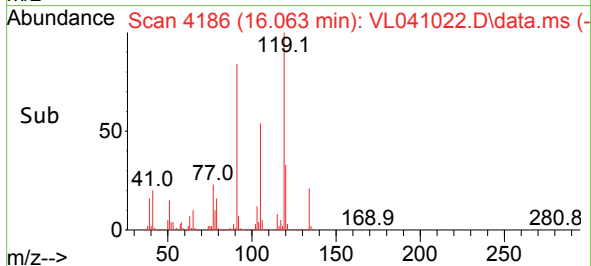
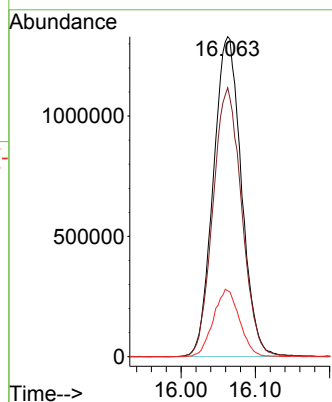
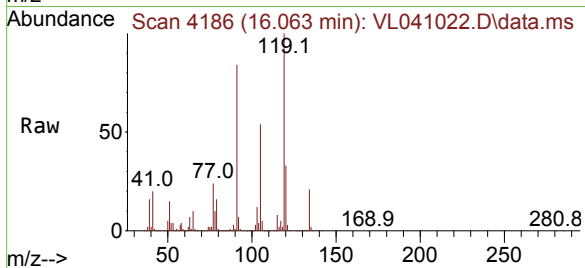
Tgt Ion:119 Resp: 3486733

Ion Ratio Lower Upper

119 100

91 86.2 67.6 101.4

134 19.7 16.1 24.1



#66

Benzyl Chloride

Concen: 3.615 ppbv

RT: 16.301 min Scan# 4260

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

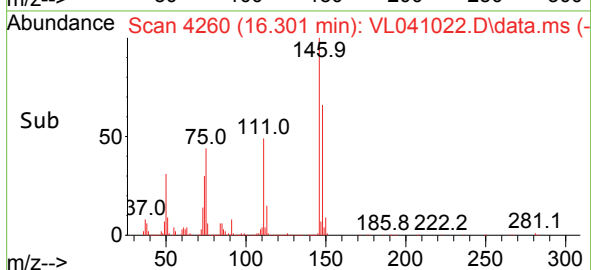
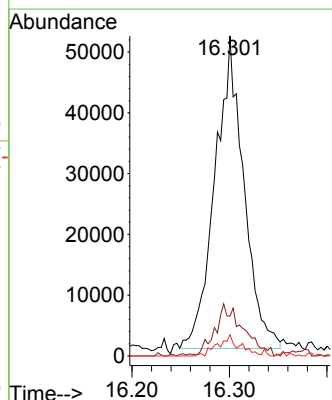
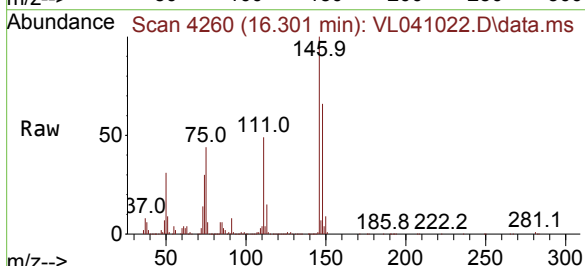
Tgt Ion: 91 Resp: 105805

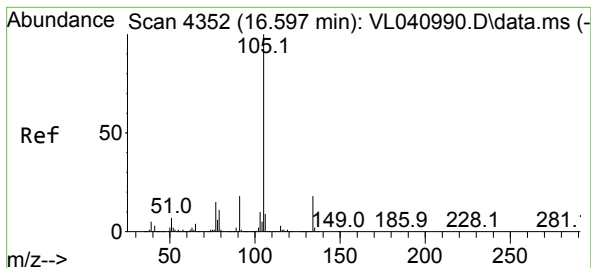
Ion Ratio Lower Upper

91 100

126 16.6 13.6 20.4

128 5.7 4.2 6.2





#67

sec-Butylbenzene

Concen: 7.642 ppbv

RT: 16.606 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

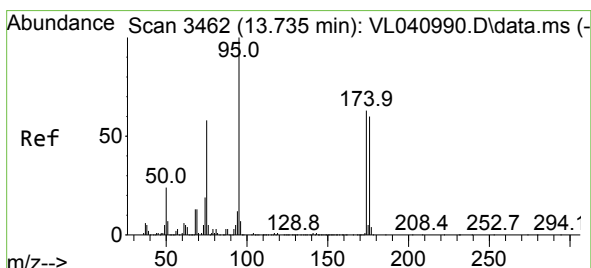
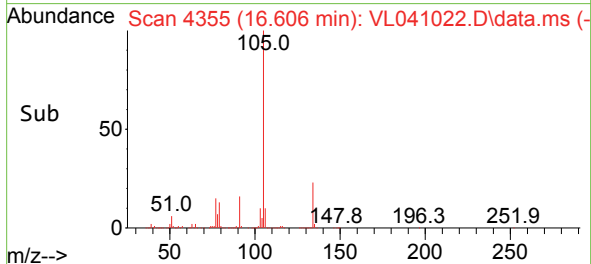
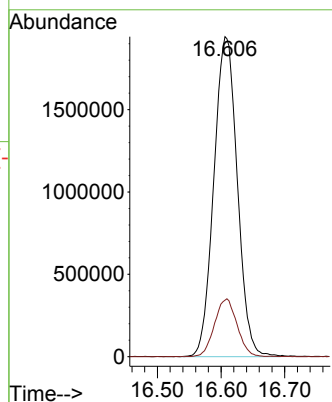
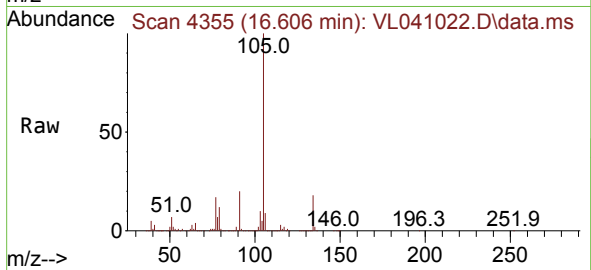
VSTDCCC010EC

Tgt Ion:105 Resp: 4969355

Ion Ratio Lower Upper

105 100

134 17.5 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.281 ppbv

RT: 13.748 min Scan# 3466

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

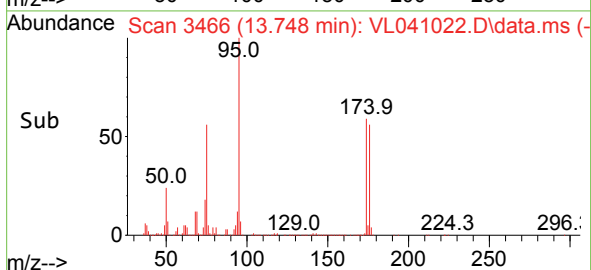
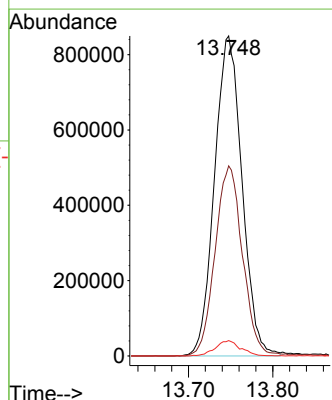
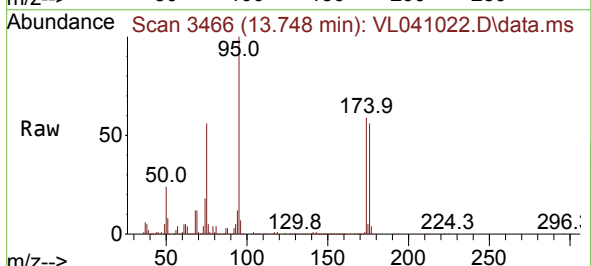
Tgt Ion: 95 Resp: 1924545

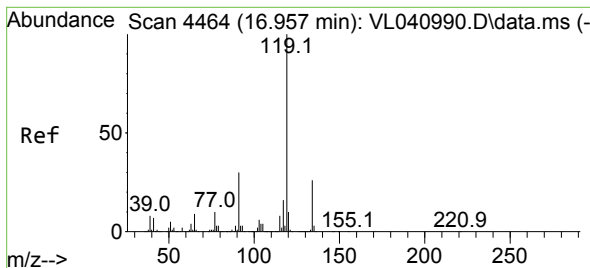
Ion Ratio Lower Upper

95 100

174 59.2 49.1 73.7

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 7.767 ppbv

RT: 16.966 min Scan# 4464

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

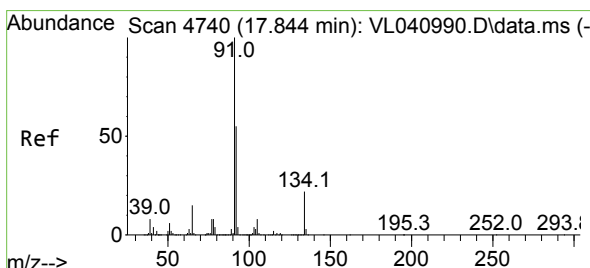
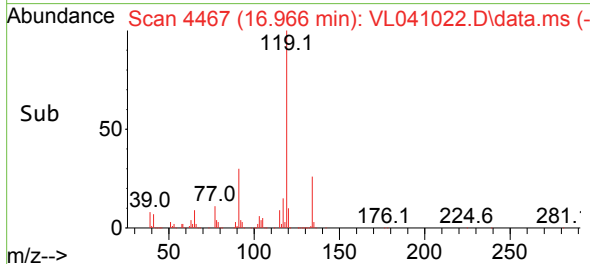
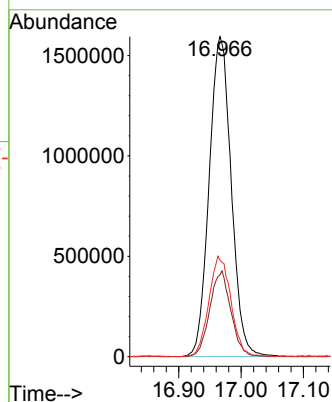
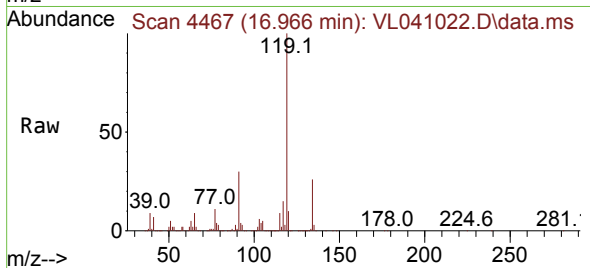
Tgt Ion:119 Resp: 3912466

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 31.4 24.5 36.7



#70

n-Butylbenzene

Concen: 7.800 ppbv

RT: 17.857 min Scan# 4744

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

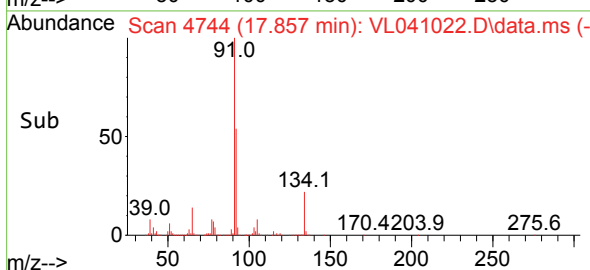
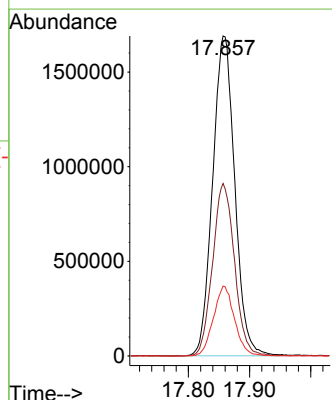
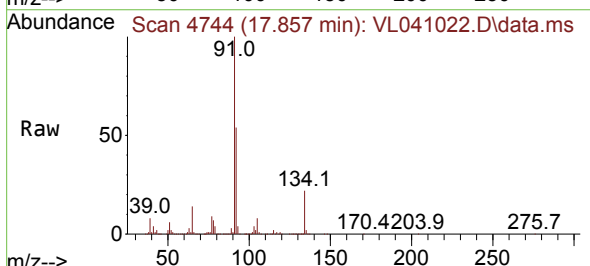
Tgt Ion: 91 Resp: 4245735

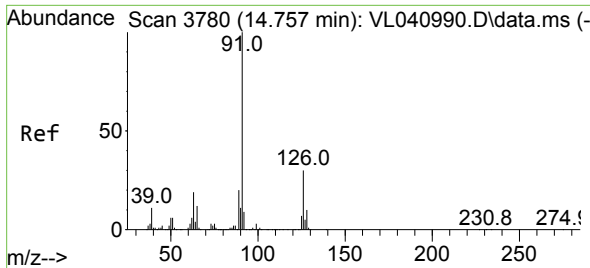
Ion Ratio Lower Upper

91 100

92 53.4 43.4 65.0

134 20.9 17.4 26.0

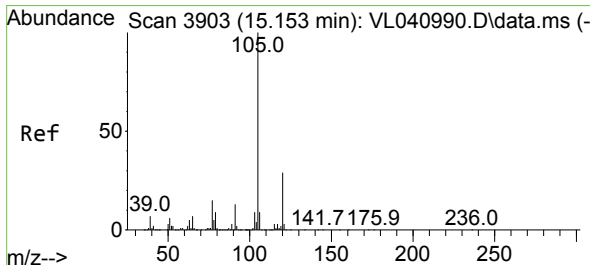
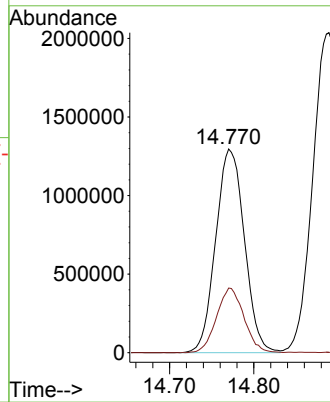
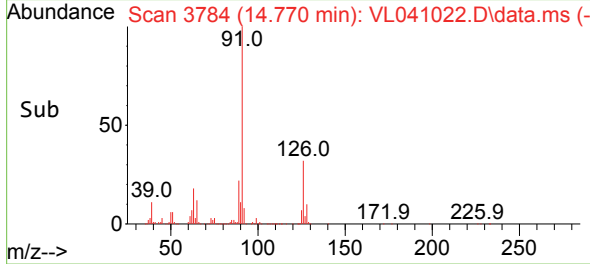
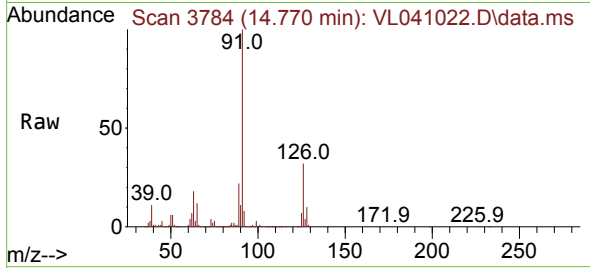




#71
2-Chlorotoluene
Concen: 7.767 ppbv
RT: 14.770 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

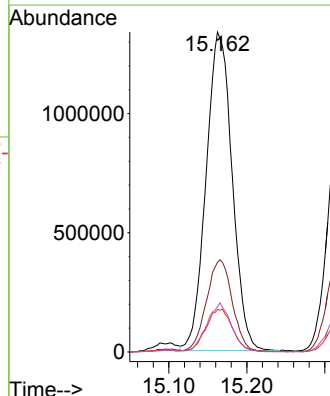
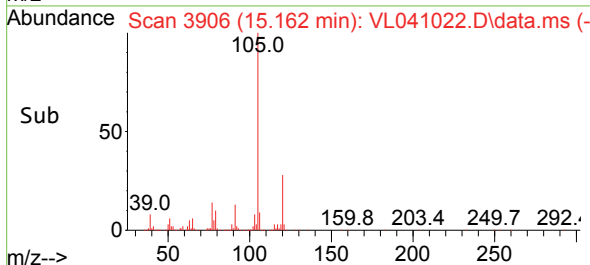
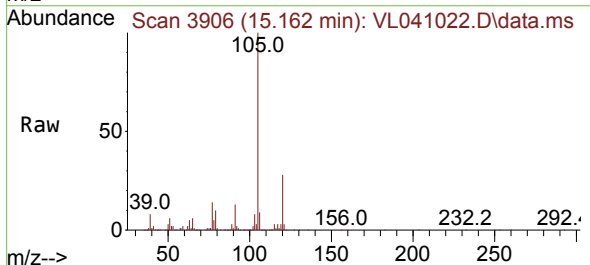
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

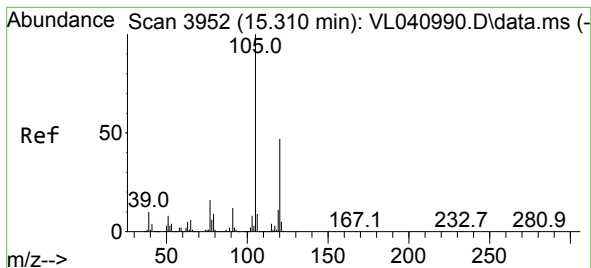
Tgt Ion: 91 Resp: 3063506
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.1



#72
4-Ethyltoluene
Concen: 8.025 ppbv
RT: 15.162 min Scan# 3906
Delta R.T. 0.010 min
Lab File: VL041022.D
Acq: 24 Jan 2024 18:53

Tgt Ion: 105 Resp: 3098076
Ion Ratio Lower Upper
105 100
120 29.0 24.3 36.5
91 13.7 11.0 16.4
77 15.1 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 7.908 ppbv

RT: 15.320 min Scan# 3952

Delta R.T. 0.006 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

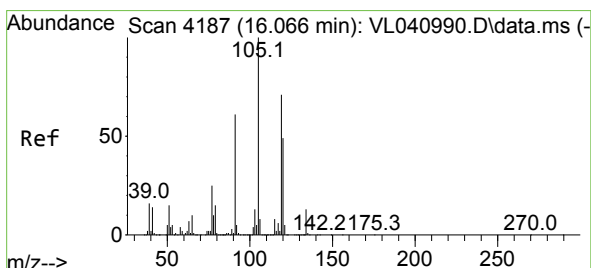
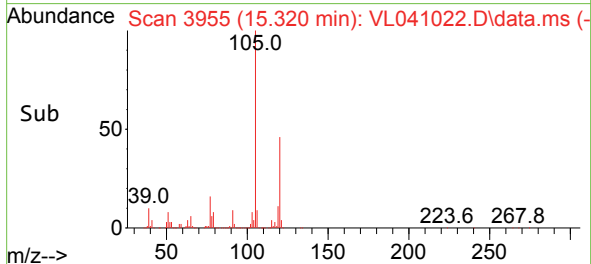
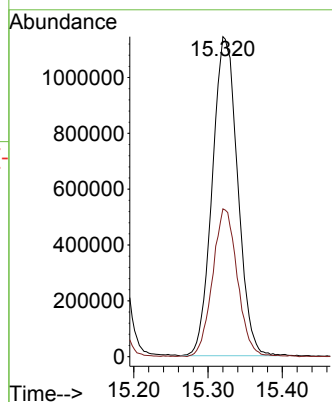
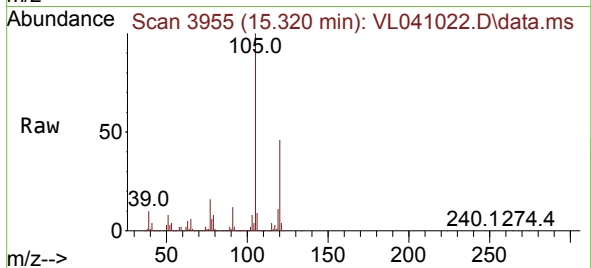
VSTDCCC010EC

Tgt Ion:105 Resp: 2709315

Ion Ratio Lower Upper

105 100

120 46.1 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 7.677 ppbv

RT: 16.076 min Scan# 4190

Delta R.T. 0.006 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Tgt Ion:105 Resp: 2981713

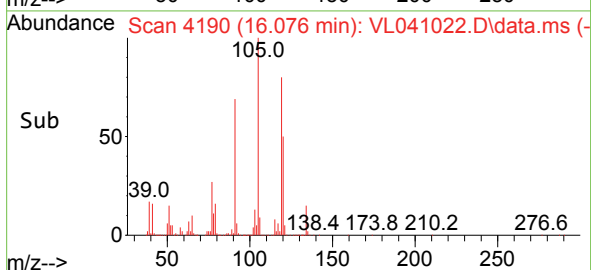
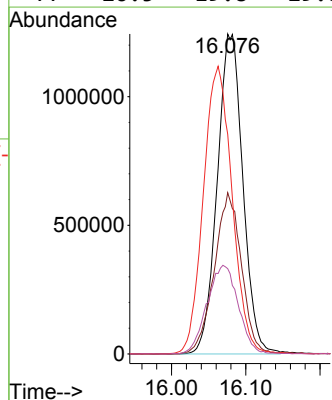
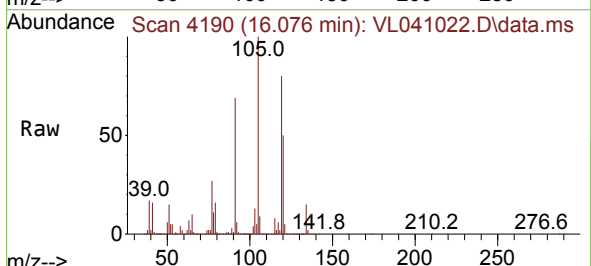
Ion Ratio Lower Upper

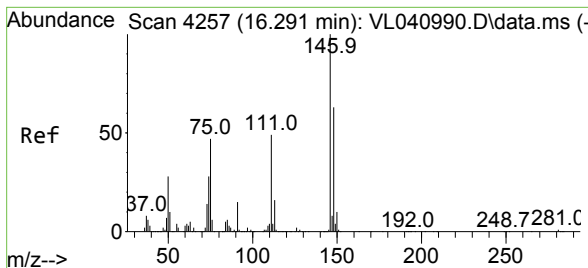
105 100

120 50.3 39.3 58.9

91 68.2 48.7 73.1

77 26.5 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 7.531 ppbv

RT: 16.301 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

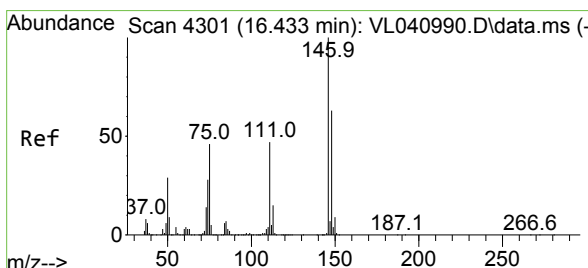
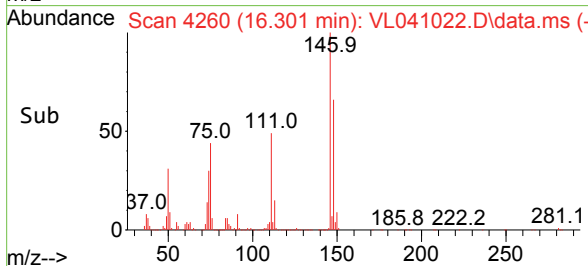
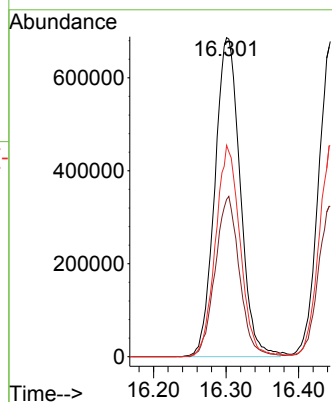
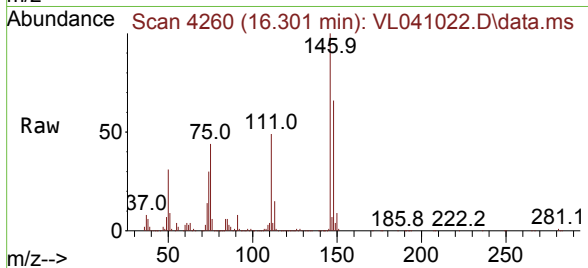
Tgt Ion:146 Resp: 1664564

Ion Ratio Lower Upper

146 100

111 48.4 24.4 73.2

148 64.4 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 7.307 ppbv

RT: 16.445 min Scan# 4305

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

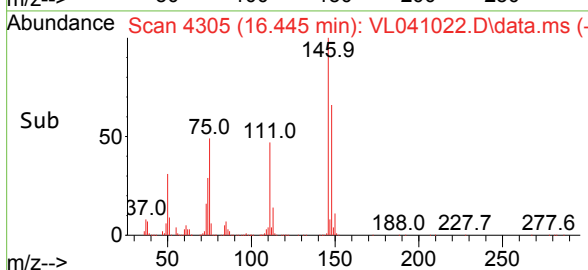
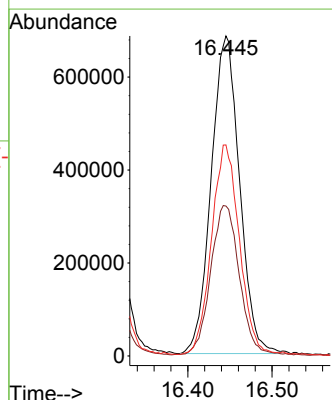
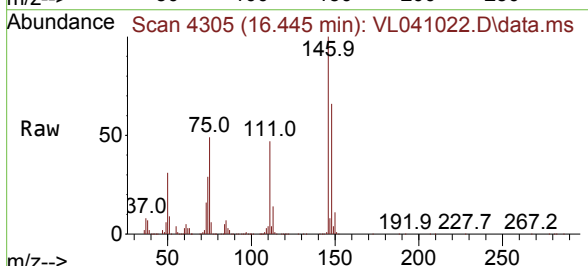
Tgt Ion:146 Resp: 1593712

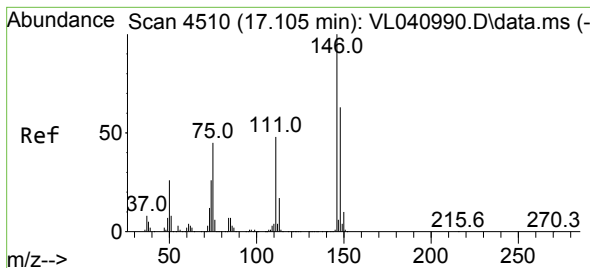
Ion Ratio Lower Upper

146 100

111 48.4 24.0 72.0

148 67.0 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 3.379 ppbv

RT: 17.117 min Scan# 4514

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

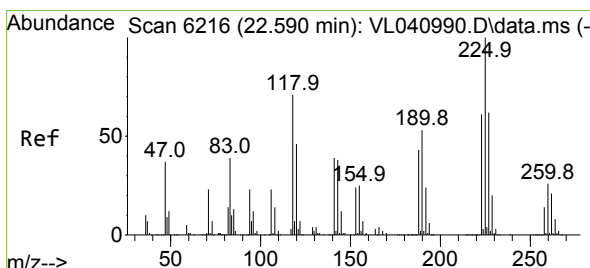
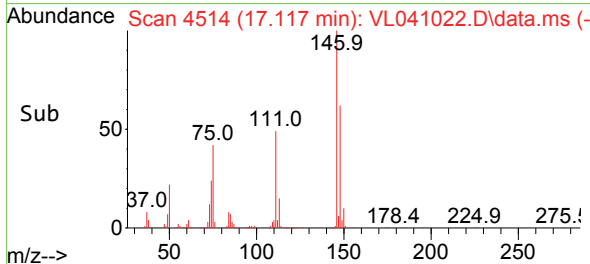
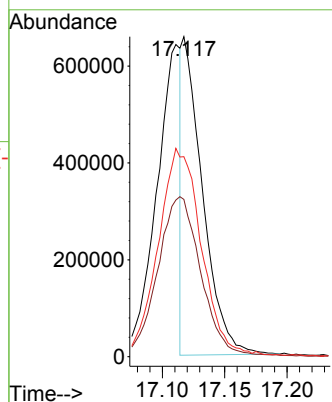
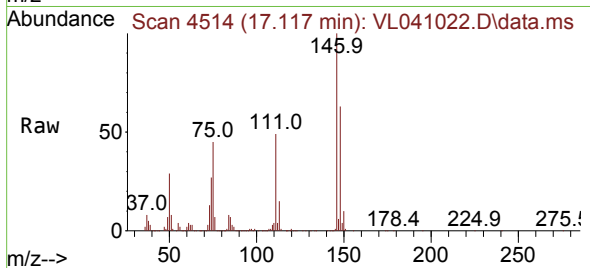
Tgt Ion:146 Resp: 742427

Ion Ratio Lower Upper

146 100

111 107.5 24.8 74.3#

148 0.0 31.8 95.3#



#78

Hexachloro-1,3-Butadiene

Concen: 6.465 ppbv

RT: 22.603 min Scan# 6220

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

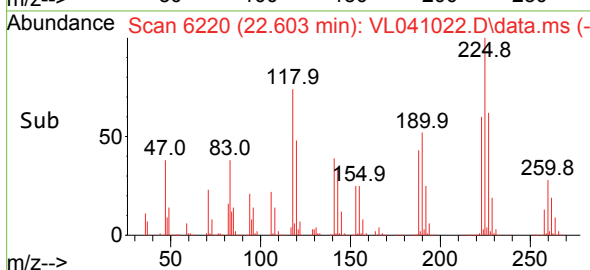
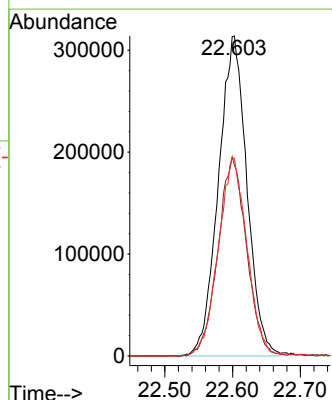
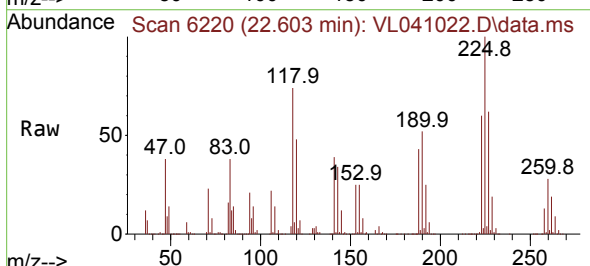
Tgt Ion:225 Resp: 915895

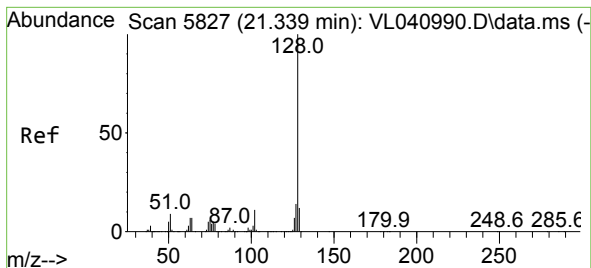
Ion Ratio Lower Upper

225 100

223 62.6 51.1 76.7

227 62.6 51.0 76.4





#79

Naphthalene

Concen: 8.927 ppbv

RT: 21.352 min Scan# 5831

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

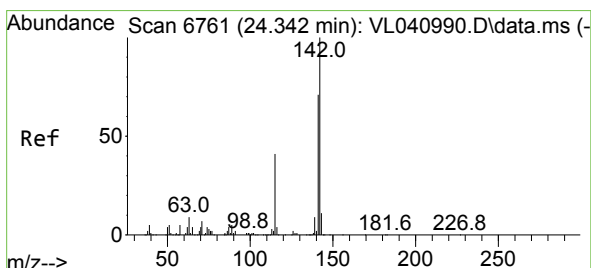
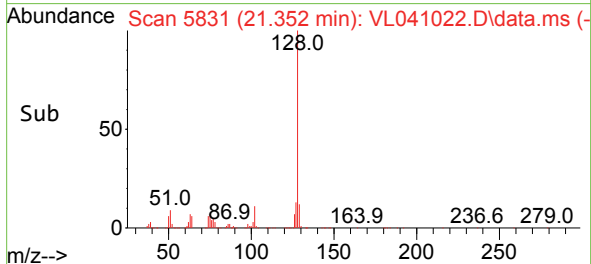
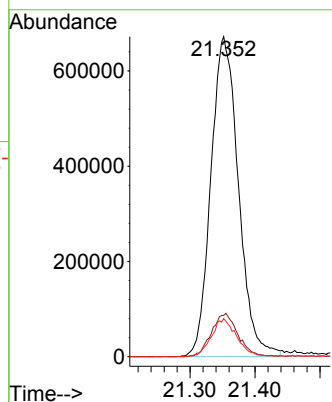
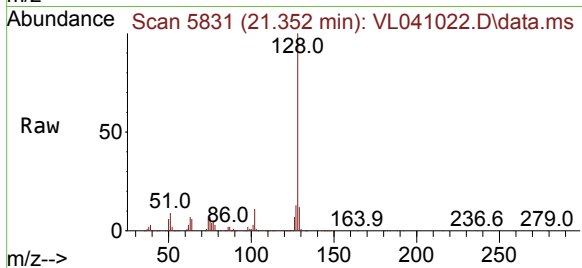
Tgt Ion:128 Resp: 1977898

Ion Ratio Lower Upper

128 100

127 12.8 10.9 16.3

129 11.9 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 8.144 ppbv

RT: 24.355 min Scan# 6765

Delta R.T. 0.013 min

Lab File: VL041022.D

Acq: 24 Jan 2024 18:53

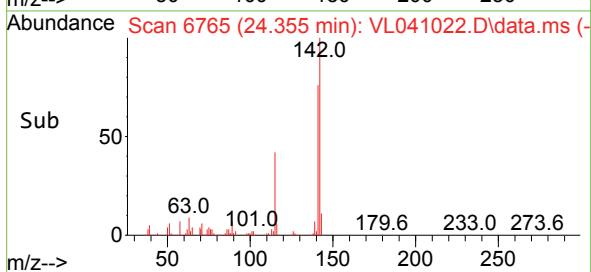
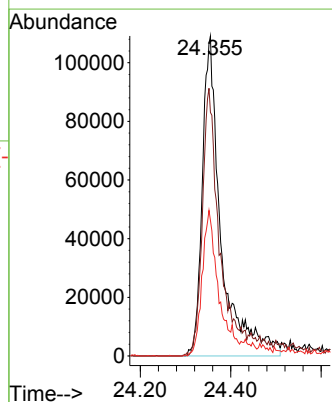
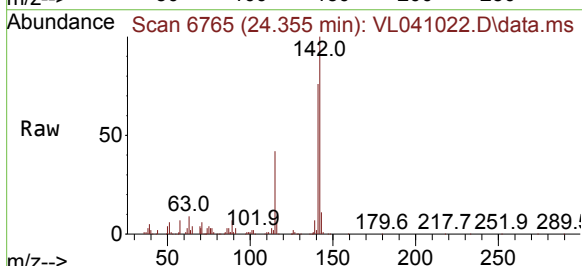
Tgt Ion:142 Resp: 316909

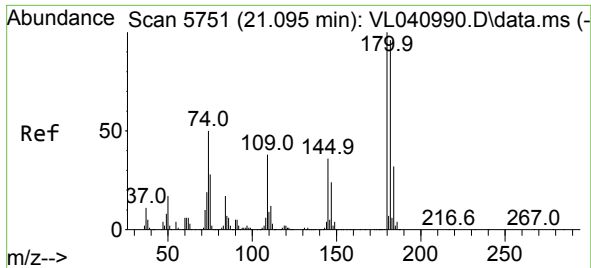
Ion Ratio Lower Upper

142 100

141 80.1 62.7 94.1

115 45.1 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.536 ppbv
 RT: 21.111 min Scan# 51
 Delta R.T. 0.013 min
 Lab File: VL041022.D
 Acq: 24 Jan 2024 18:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 974089
 Ion Ratio Lower Upper
 180 100
 182 97.1 78.6 118.0
 184 30.5 24.4 36.6

