

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041032.D
 Acq On : 25 Jan 2024 16:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 26 00:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1071961	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2590566	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2685766	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1960143	9.663	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	2279795	9.629	ppbv	99
3) Chlorodifluoromethane	2.661	51	1729111	9.590	ppbv	99
4) Chloromethane	2.803	50	642363	9.505	ppbv	97
5) Vinyl Chloride	2.909	62	670649	10.122	ppbv	98
6) Bromomethane	3.108	94	200369	6.945	ppbv	95
7) Chloroethane	3.186	64	231582	9.707	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1684330	9.523	ppbv	99
9) Propene	2.681	41	580621	9.818	ppbv	94
10) Heptane	7.568	43	1436395	9.869	ppbv	99
11) Trichlorofluoromethane	3.549	101	1821709	9.549	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1271383	9.195	ppbv	100
13) Ethanol	3.227	45	103285	7.328	ppbv	96
14) Bromoethene	3.356	108	537604	10.127	ppbv	99
15) Acetone	3.456	43	1275313	9.303	ppbv	97
16) 1,3-Butadiene	2.973	39	658384	10.040	ppbv	100
17) tert-Butyl alcohol	3.867	59	1078269	9.590	ppbv	100
18) 1,1-Dichloroethene	3.867	96	564490	9.536	ppbv	95
19) Isopropyl Alcohol	3.565	45	735126	9.264	ppbv	100
20) Methylene Chloride	3.922	84	461509	8.749	ppbv	93
21) Allyl Chloride	3.983	41	740625	8.892	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	564622	9.263	ppbv	98
23) Vinyl Acetate	4.616	43	1300628	9.204	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1159062	9.246	ppbv	100
25) Ethyl Acetate	5.192	43	2441791	9.824	ppbv	99
26) Hexane	5.202	57	1047553	9.887	ppbv	98
27) Carbon Disulfide	4.112	76	1400806	10.160	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	778084	8.849	ppbv	98
29) Chloroform	5.266	83	1832365	9.751	ppbv	99
30) Cyclohexane	6.591	84	862475	9.716	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	1074571	10.806	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1800286	10.024	ppbv	99
34) 2-Butanone	4.774	43	1299588	10.530	ppbv	98
35) Carbon Tetrachloride	6.484	117	1896304	10.977	ppbv	98
36) Benzene	6.362	78	2205773	10.310	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1364947	10.454	ppbv	99
38) Trichloroethene	7.279	130	852958	9.944	ppbv	97
39) 1,2-Dichloropropane	7.063	63	864683	10.259	ppbv	95
40) 1,4-Dioxane	7.272	88	348620	9.959	ppbv	87
41) Tetrahydrofuran	5.546	42	881108	10.515	ppbv	100
42) Bromodichloromethane	7.237	83	2020951	10.818	ppbv	99
43) Methyl Methacrylate	7.465	69	915938	11.094	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3759501	10.443	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	408693	7.245	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

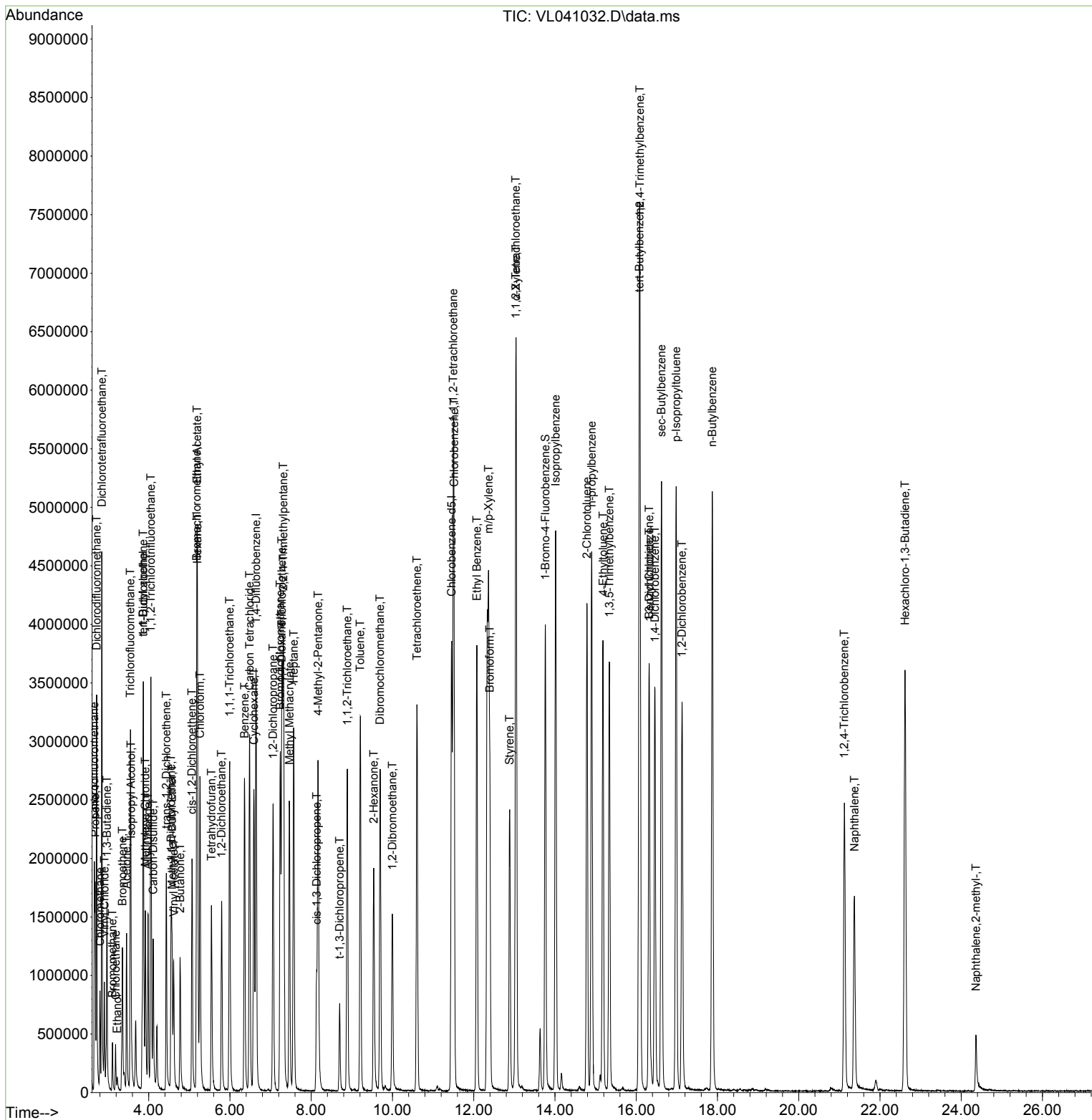
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 ClientSampleId :

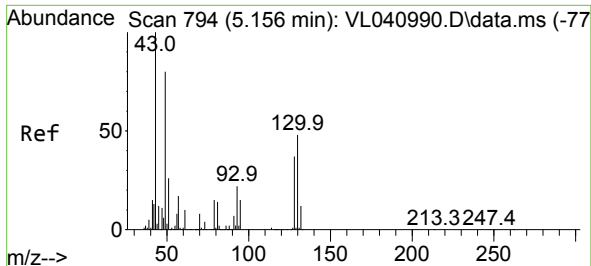
Quant Time: Jan 26 00:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	546563	7.769	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	947809	10.433	ppbv	98
48) Dibromochloromethane	9.697	129	1669806	10.872	ppbv	99
49) Bromoform	12.394	173	1408901	11.694	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2431896	11.189	ppbv	98
51) 2-Hexanone	9.539	43	1720273	10.980	ppbv #	99
52) Tetrachloroethene	10.603	164	751576	10.578	ppbv	99
53) Toluene	9.208	91	2544337	10.856	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1237934	10.062	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1239220	9.617	ppbv	98
57) Chlorobenzene	11.516	112	1970970	9.123	ppbv	99
58) Ethyl Benzene	12.076	91	3499202	9.702	ppbv	98
59) m/p-Xylene	12.362	91	3218348	10.235	ppbv #	41
60) o-Xylene	13.044	91	2924665	9.694	ppbv	99
61) Styrene	12.886	104	1427263	10.303	ppbv	99
62) Isopropylbenzene	14.018	105	4236644	9.495	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	2175250	9.277	ppbv	100
64) n-propylbenzene	14.905	120	1077866	9.562	ppbv	99
65) tert-Butylbenzene	16.079	119	3695652	9.480	ppbv	98
66) Benzyl Chloride	16.317	91	66930	2.620	ppbv #	73
67) sec-Butylbenzene	16.622	105	5292691	9.324	ppbv	100
69) p-Isopropyltoluene	16.982	119	4173629	9.492	ppbv	99
70) n-Butylbenzene	17.873	91	4536735	9.549	ppbv	99
71) 2-Chlorotoluene	14.786	91	3269756	9.498	ppbv	99
72) 4-Ethyltoluene	15.182	105	3272083	9.711	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	2854566	9.546	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	3167297	9.343	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	1783881	9.246	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1712445	8.995	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1729776	9.020	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	962333	7.782	ppbv	100
79) Naphthalene	21.371	128	2108737	10.904	ppbv	98
80) Naphthalene,2-methyl-	24.362	142	371687	10.943	ppbv	96
81) 1,2,4-Trichlorobenzene	21.124	180	1056255	9.362	ppbv	98

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

Quant Time: Jan 26 00:29:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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QLast Update : Fri Jan 26 00:23:09 2024
Response via : Initial Calibration

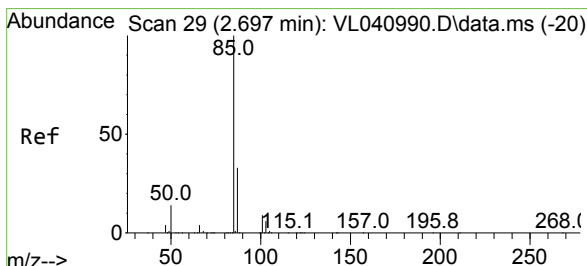
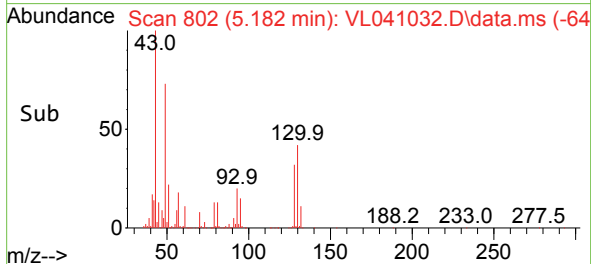
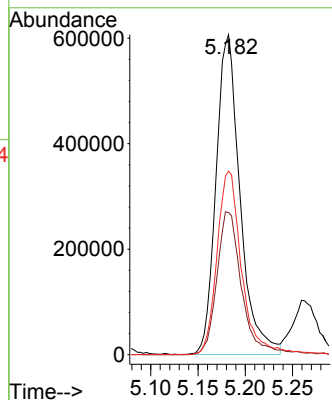
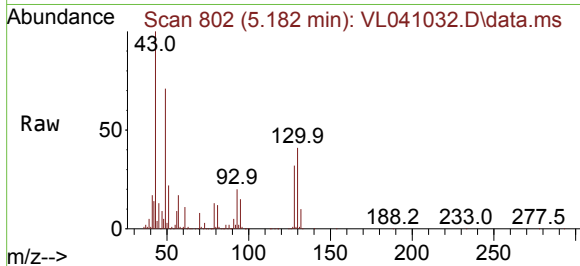




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

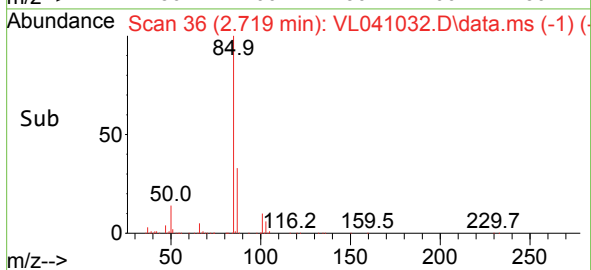
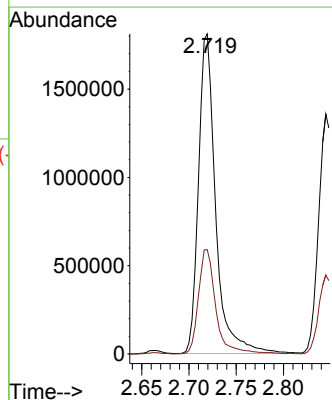
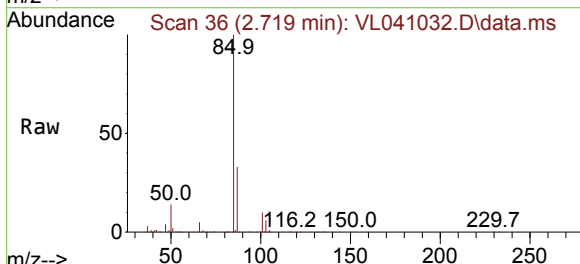
Instrument :
 MSVOA_L
 ClientSampleId :

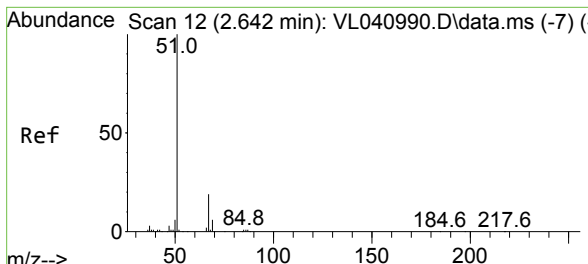
Tgt Ion: 49 Resp: 1071961
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.9 71.7
 130 59.4 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 9.629 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 85 Resp: 2279795
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.3 39.5

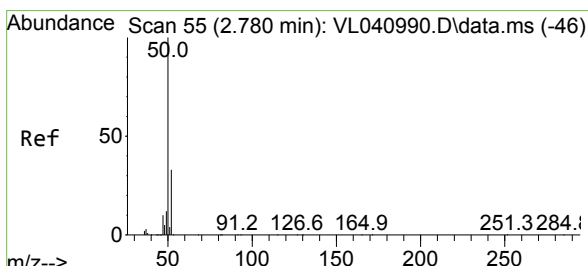
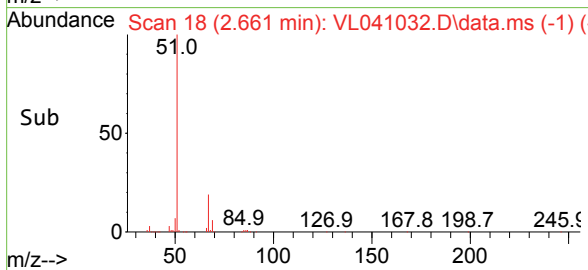
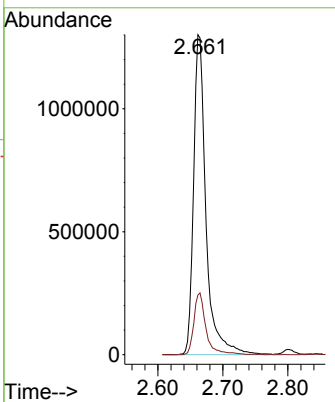
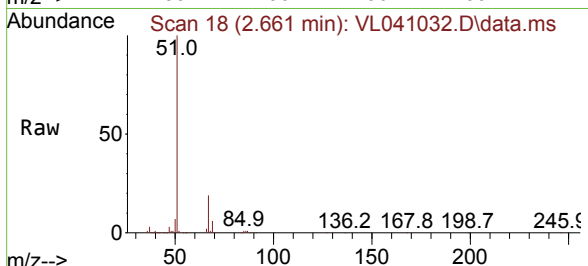




#3
 Chlorodifluoromethane
 Concen: 9.590 ppbv
 RT: 2.661 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

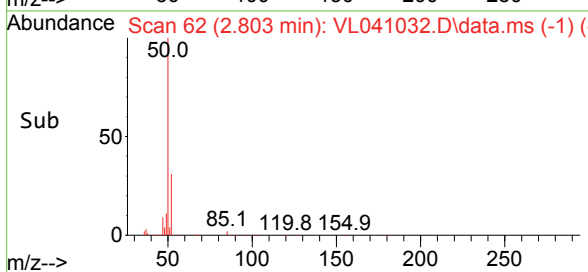
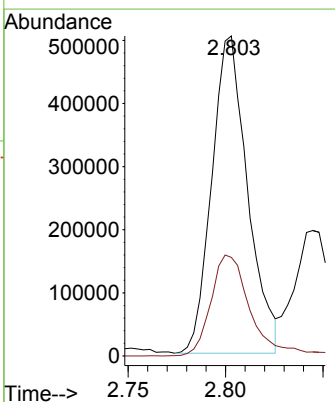
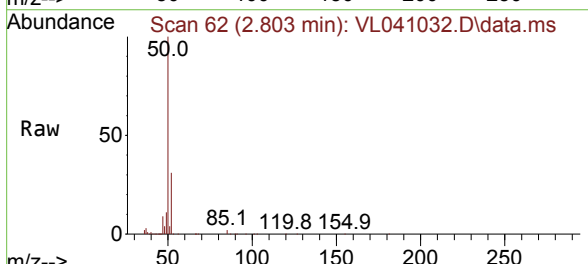
Instrument :
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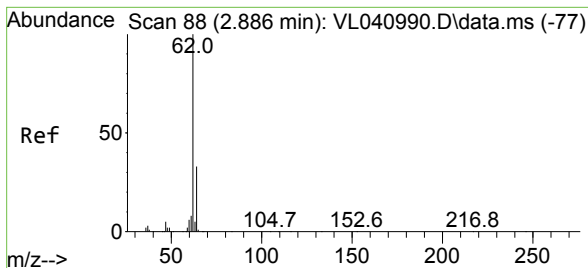
Tgt Ion: 51 Resp: 1729111
 Ion Ratio Lower Upper
 51 100
 67 18.9 14.8 22.2



#4
 Chloromethane
 Concen: 9.505 ppbv
 RT: 2.803 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 50 Resp: 642363
 Ion Ratio Lower Upper
 50 100
 52 31.0 26.2 39.4

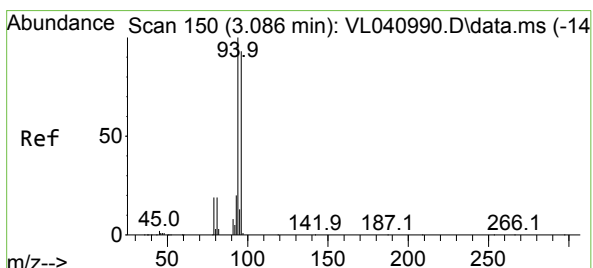
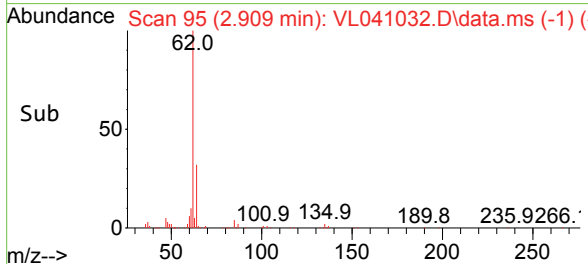
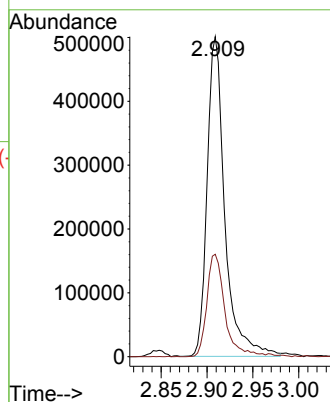
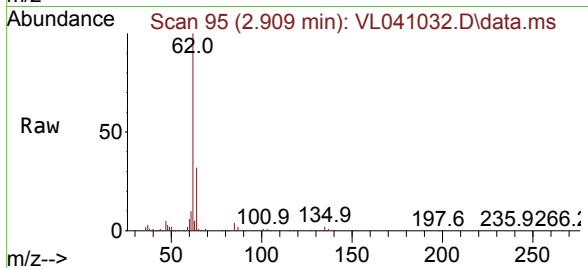




#5
Vinyl Chloride
Concen: 10.122 ppbv
RT: 2.909 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

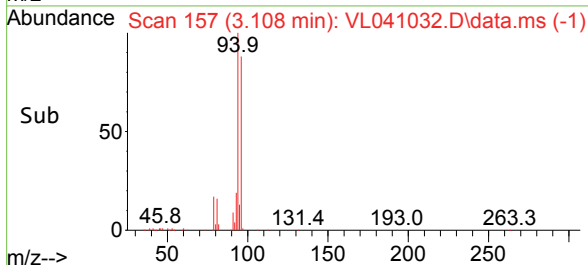
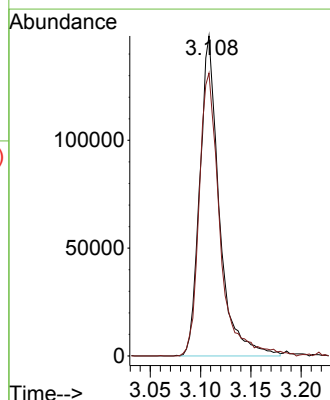
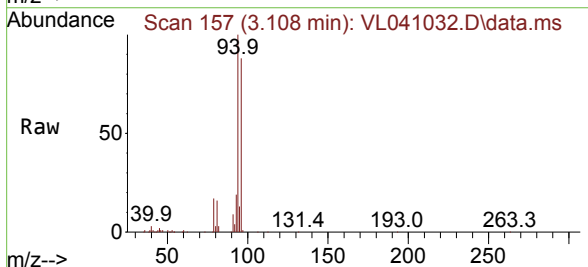
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MSVOA_L
ClientSampleId :

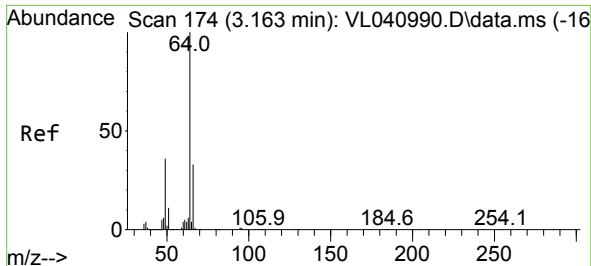
Tgt Ion: 62 Resp: 670649
Ion Ratio Lower Upper
62 100
64 32.0 26.6 40.0



#6
Bromomethane
Concen: 6.945 ppbv
RT: 3.108 min Scan# 157
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 94 Resp: 200369
Ion Ratio Lower Upper
94 100
96 88.2 74.2 111.4

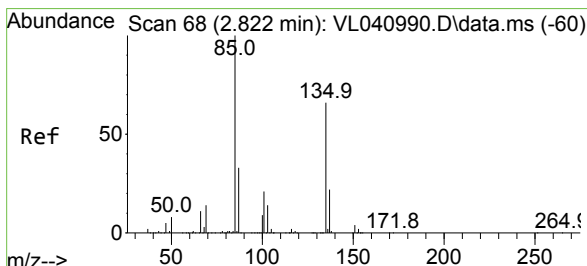
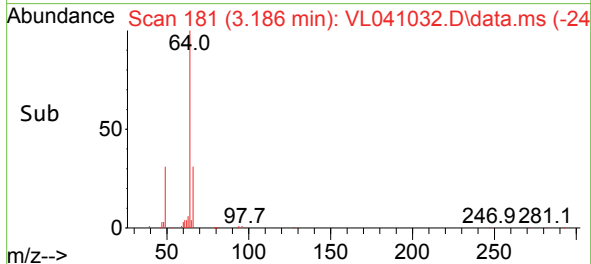
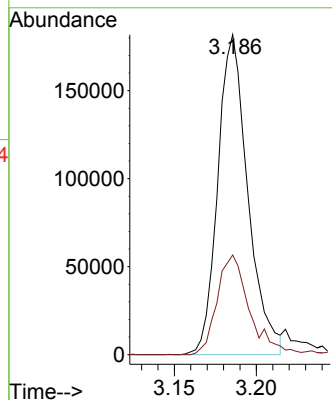
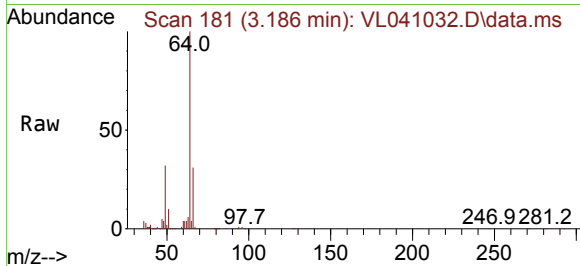




#7
Chloroethane
Concen: 9.707 ppbv
RT: 3.186 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

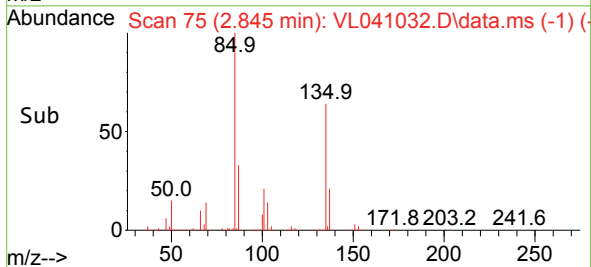
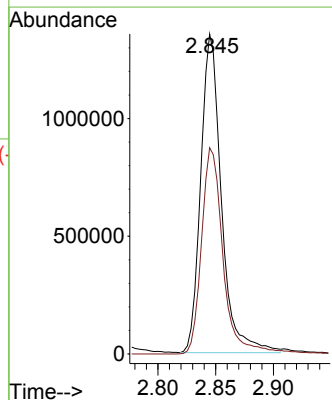
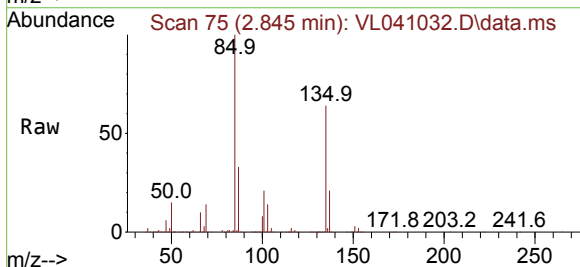
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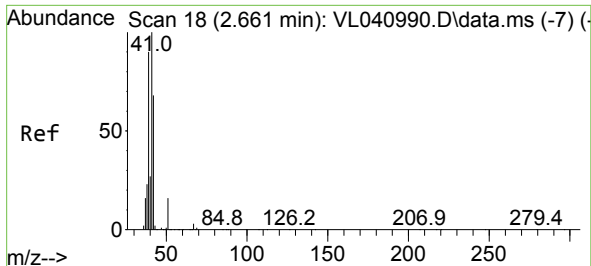
Tgt Ion: 64 Resp: 231582
Ion Ratio Lower Upper
64 100
66 31.2 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.523 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 85 Resp: 1684330
Ion Ratio Lower Upper
85 100
135 67.9 55.0 82.6

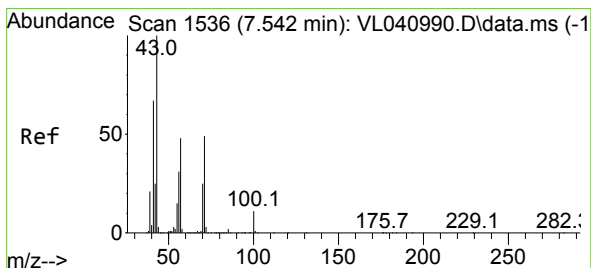
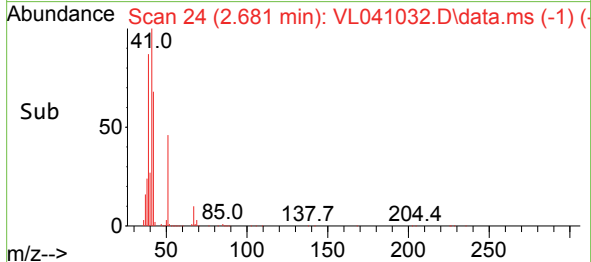
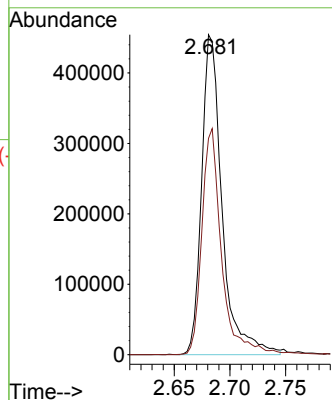
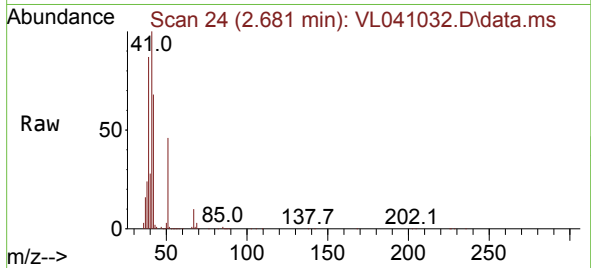




#9
 Propene
 Concen: 9.818 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

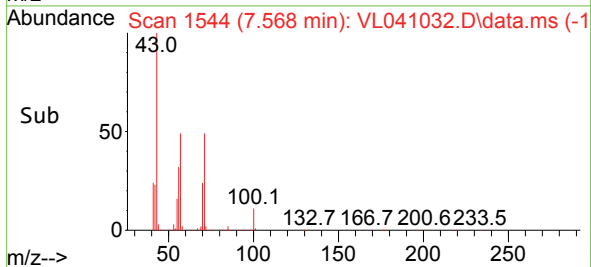
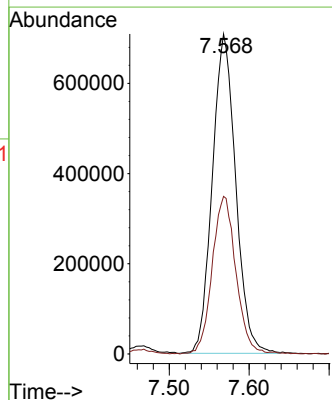
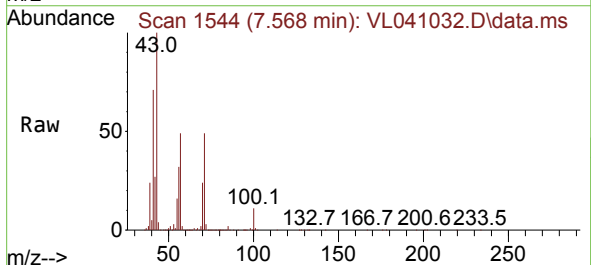
Instrument :
 MSVOA_L
 ClientSampleId :

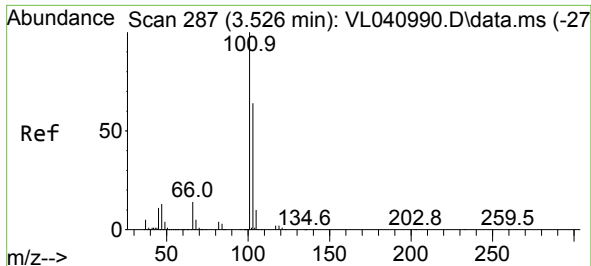
Tgt Ion: 41 Resp: 580621
 Ion Ratio Lower Upper
 41 100
 42 68.9 59.0 88.4



#10
 Heptane
 Concen: 9.869 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 43 Resp: 1436395
 Ion Ratio Lower Upper
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 57 50.3 39.4 59.2

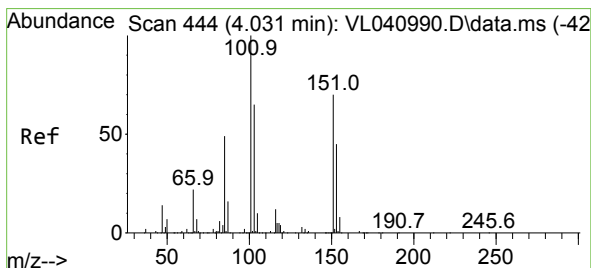
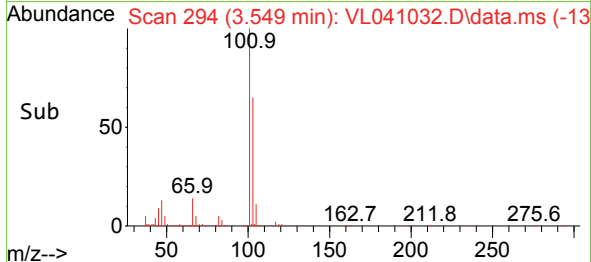
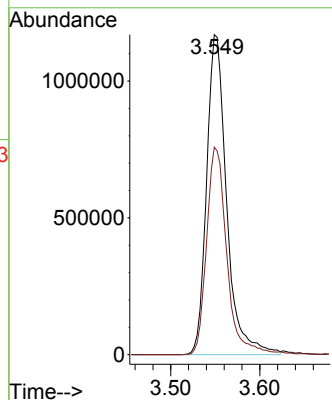
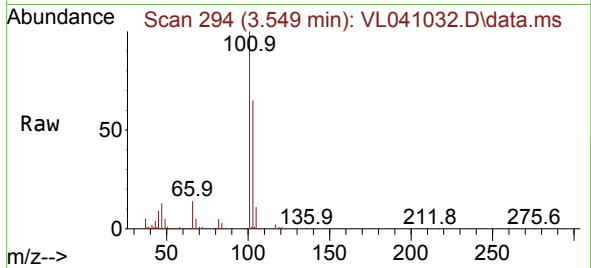




#11
 Trichlorofluoromethane
 Concen: 9.549 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

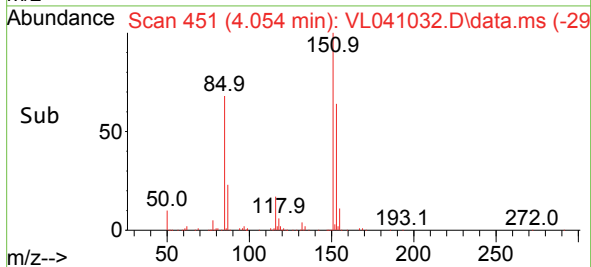
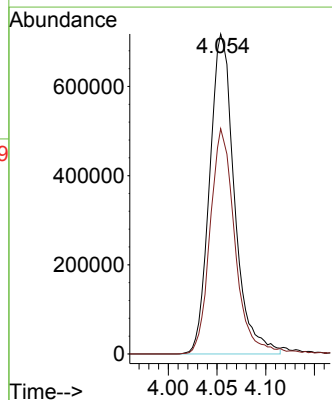
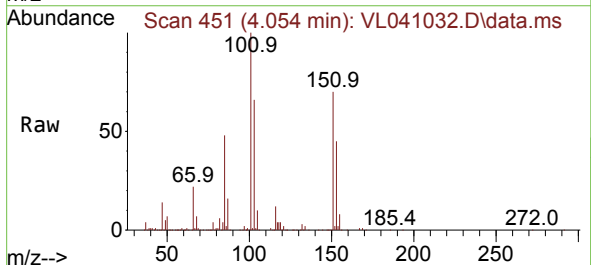
Instrument :
 MSVOA_L
 ClientSampleId :

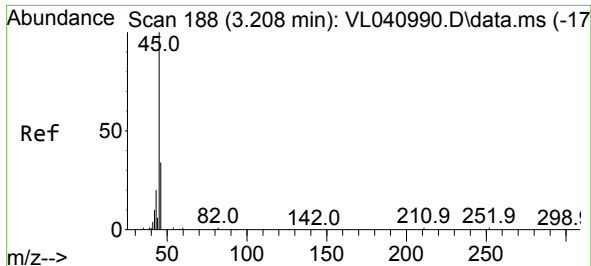
Tgt Ion:101 Resp: 1821709
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.195 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion:101 Resp: 1271383
 Ion Ratio Lower Upper
 101 100
 151 71.2 56.6 85.0

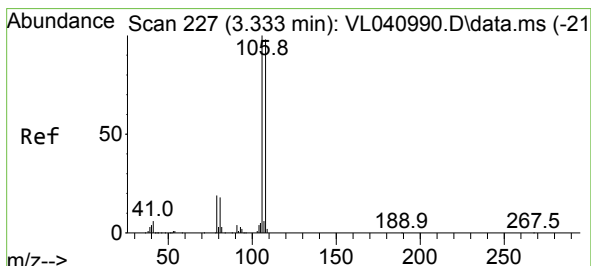
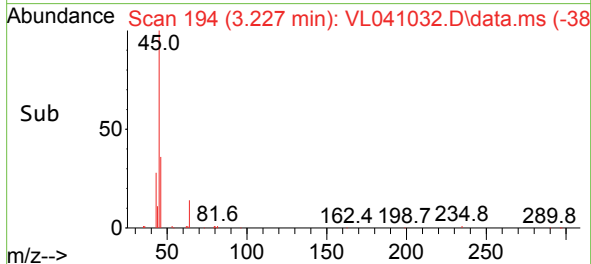
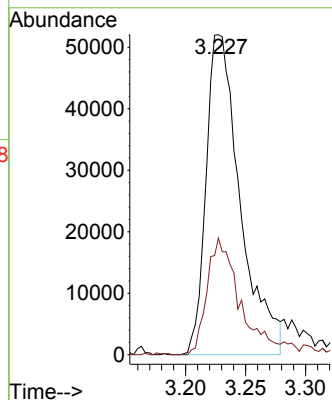
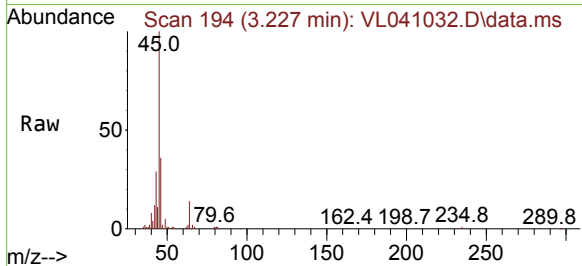




#13
Ethanol
Concen: 7.328 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

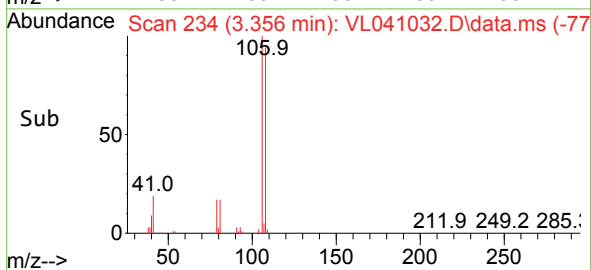
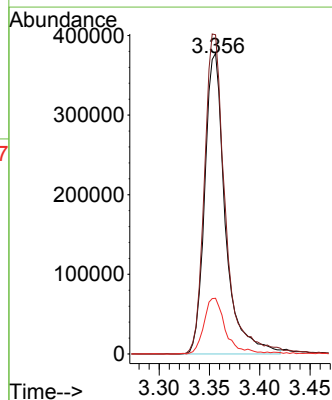
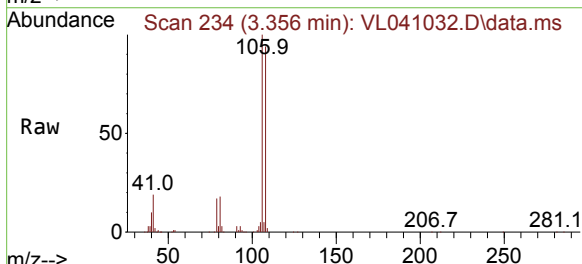
Instrument :
MSVOA_L
ClientSampleId :

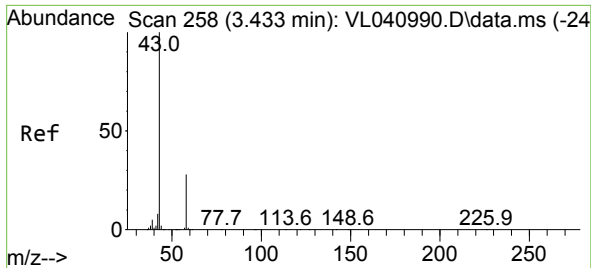
Tgt Ion: 45 Resp: 103285
Ion Ratio Lower Upper
45 100
46 37.9 16.2 64.8



#14
Bromoethene
Concen: 10.127 ppbv
RT: 3.356 min Scan# 234
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:108 Resp: 537604
Ion Ratio Lower Upper
108 100
106 109.2 86.4 129.6
79 20.1 16.2 24.4

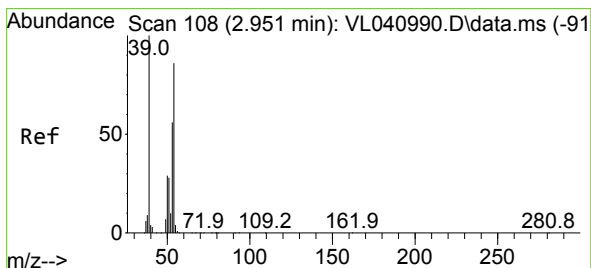
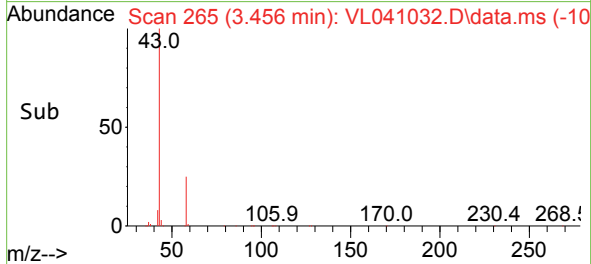
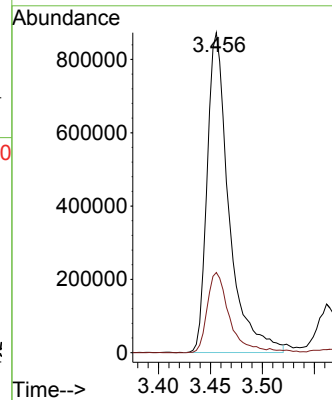
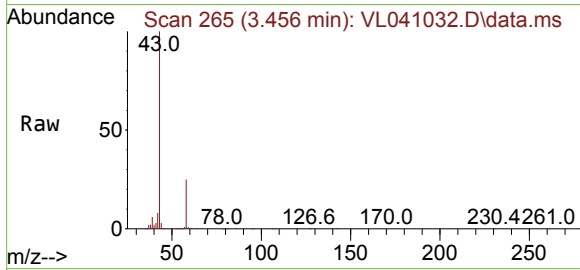




#15
Acetone
Concen: 9.303 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

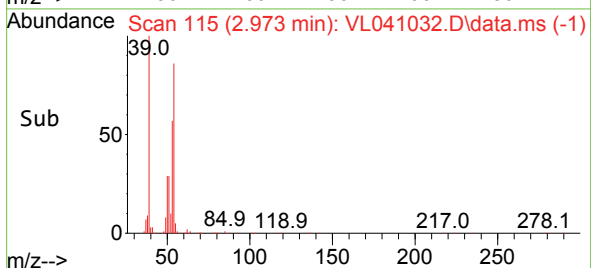
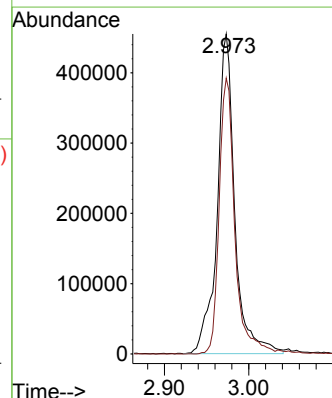
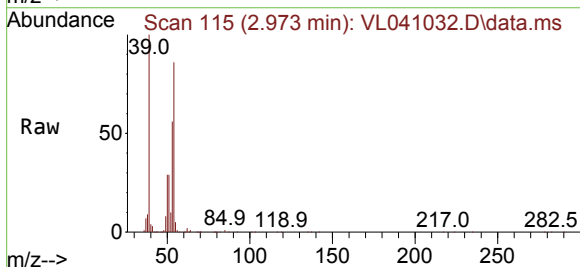
Instrument :
MSVOA_L
ClientSampleId :

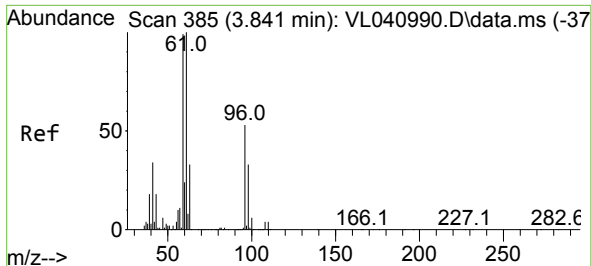
Tgt Ion: 43 Resp: 1275313
Ion Ratio Lower Upper
43 100
58 26.1 22.2 33.2



#16
1,3-Butadiene
Concen: 10.040 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 39 Resp: 658384
Ion Ratio Lower Upper
39 100
54 78.0 62.7 94.1

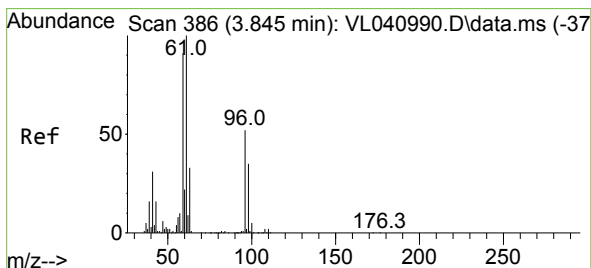
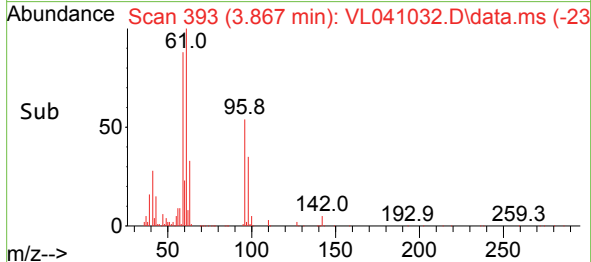
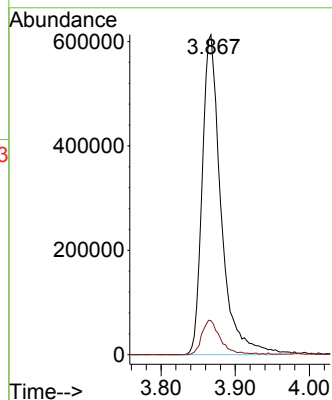
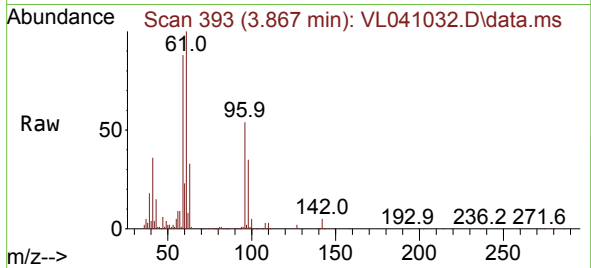




#17
tert-Butyl alcohol
Concen: 9.590 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

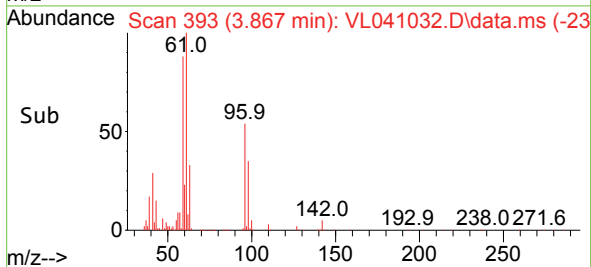
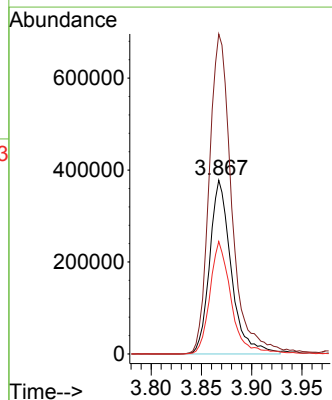
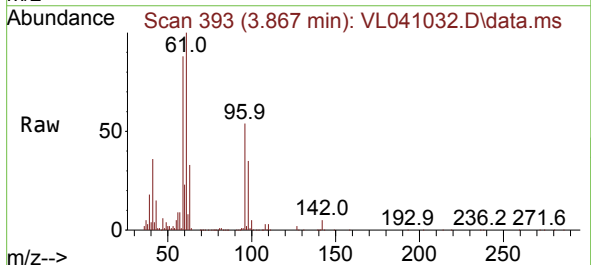
Instrument :
MSVOA_L
ClientSampleId :

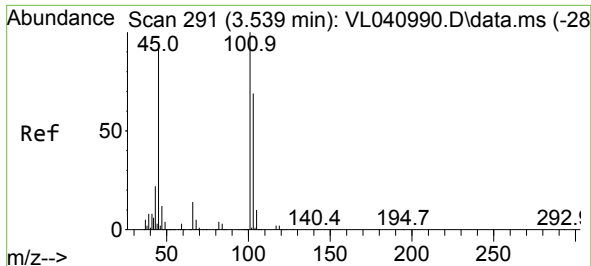
Tgt Ion: 59 Resp: 1078269
Ion Ratio Lower Upper
59 100
57 10.9 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.536 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 96 Resp: 564490
Ion Ratio Lower Upper
96 100
61 184.1 153.8 230.8
98 64.8 53.7 80.5

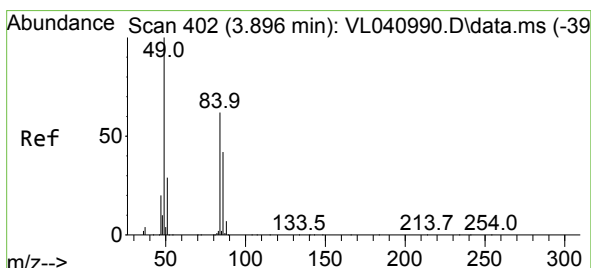
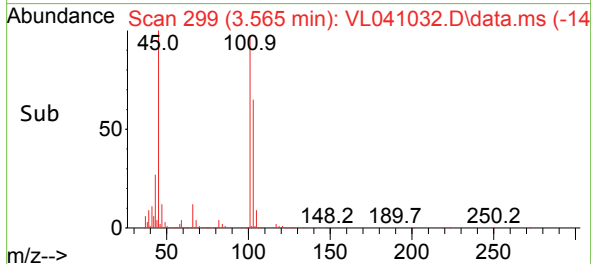
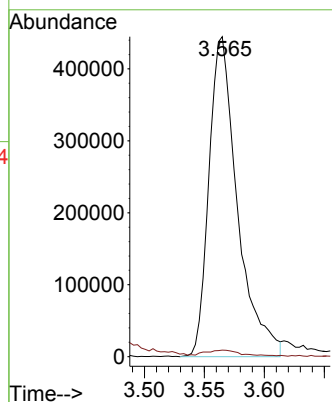
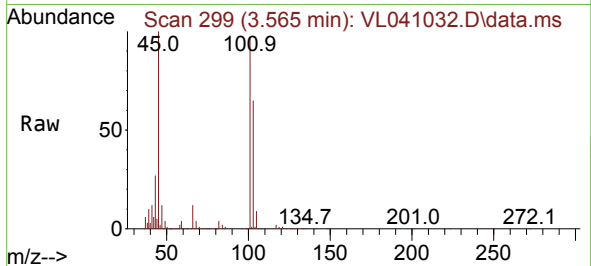




#19
Isopropyl Alcohol
Concen: 9.264 ppbv
RT: 3.565 min Scan# 291
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

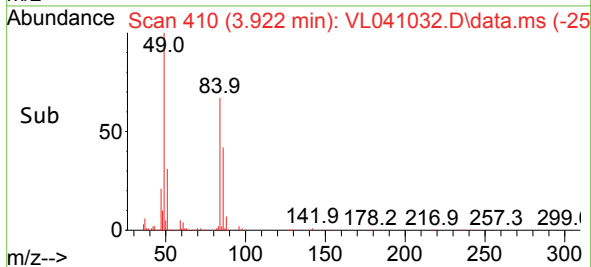
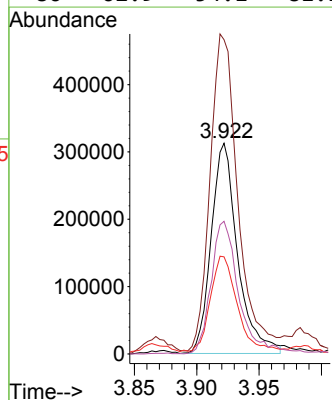
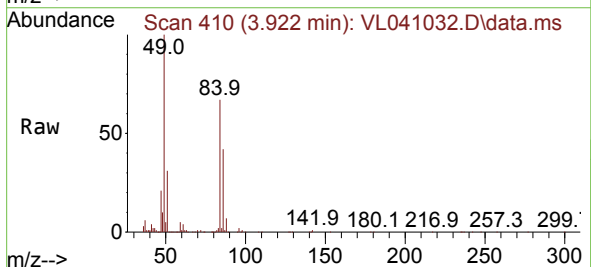
Instrument :
MSVOA_L
ClientSampleId :

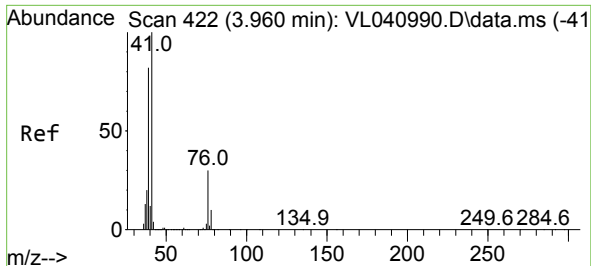
Tgt Ion: 45 Resp: 735126
Ion Ratio Lower Upper
45 100
58 2.9 2.2 3.4



#20
Methylene Chloride
Concen: 8.749 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 84 Resp: 461509
Ion Ratio Lower Upper
84 100
49 147.8 128.1 192.1
51 45.1 36.5 54.7
86 62.9 54.1 81.1

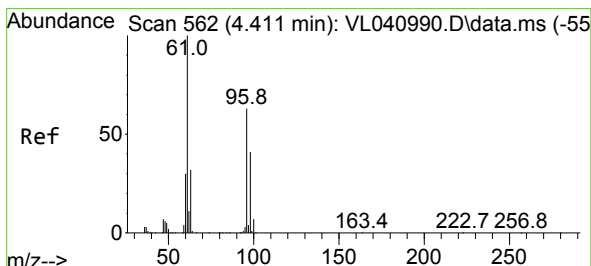
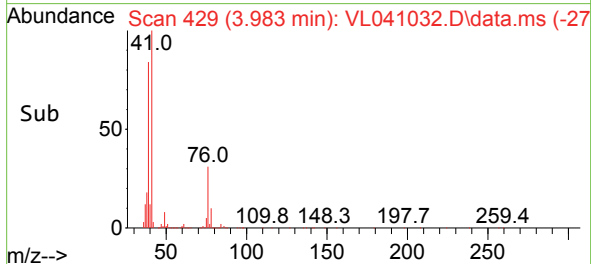
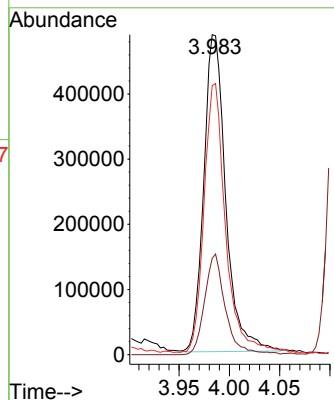
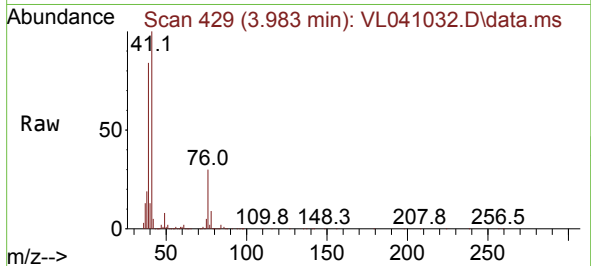




#21
 Allyl Chloride
 Concen: 8.892 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

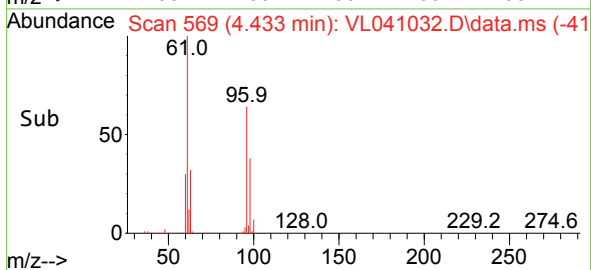
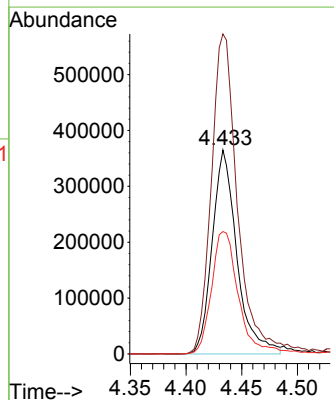
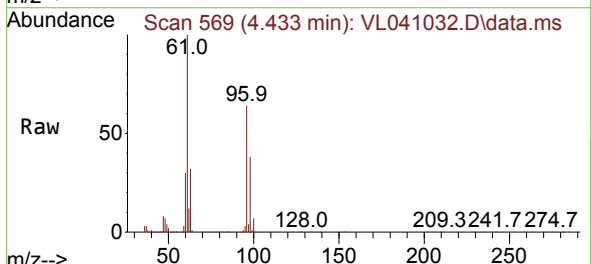
Instrument :
 MSVOA_L
 ClientSampleId :

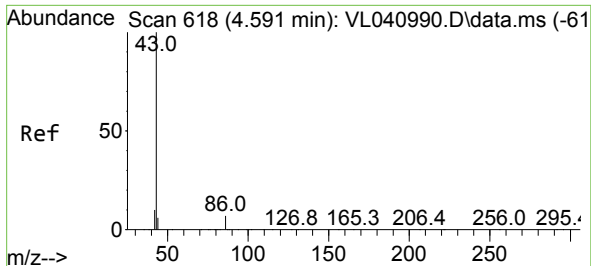
Tgt Ion: 41 Resp: 740625
 Ion Ratio Lower Upper
 41 100
 76 30.2 25.0 37.4
 39 84.6 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.263 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 96 Resp: 564622
 Ion Ratio Lower Upper
 96 100
 61 156.8 126.0 189.0
 98 59.9 51.2 76.8



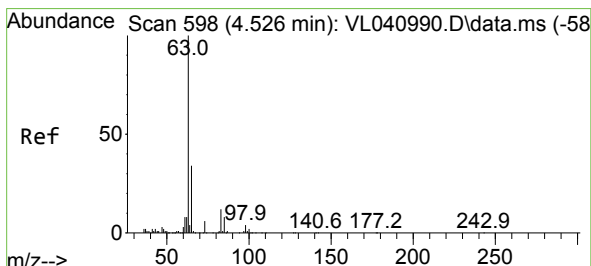
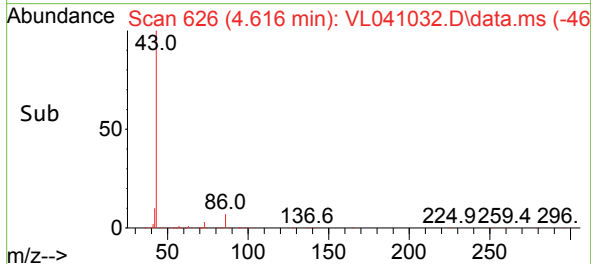
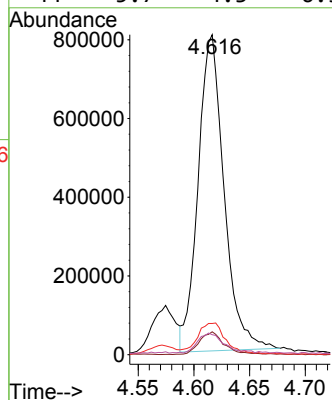
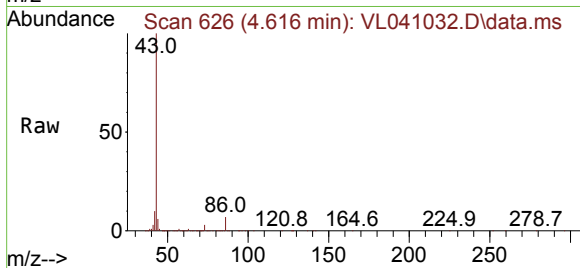


#23
 Vinyl Acetate
 Concen: 9.204 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1300628

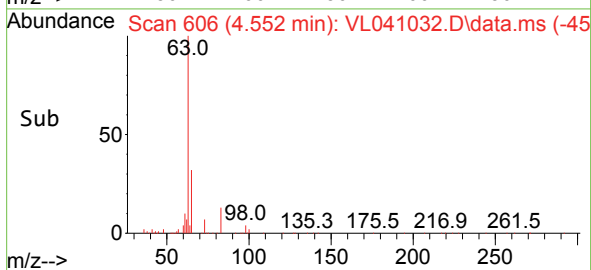
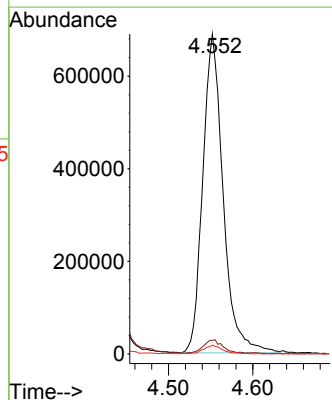
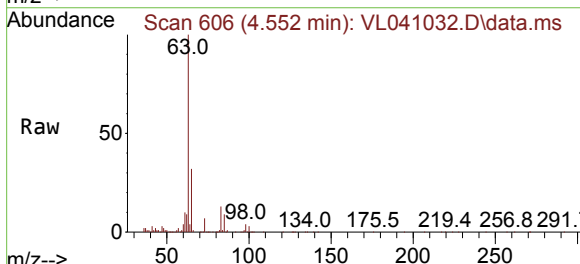
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.4	8.0
42	9.7	8.6	13.0
44	5.7	4.3	6.5

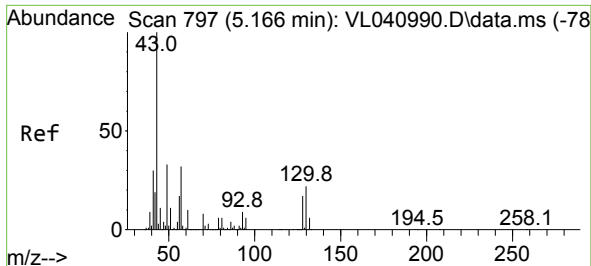


#24
 1,1-Dichloroethane
 Concen: 9.246 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 63 Resp: 1159062

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	2.8	1.3	3.9



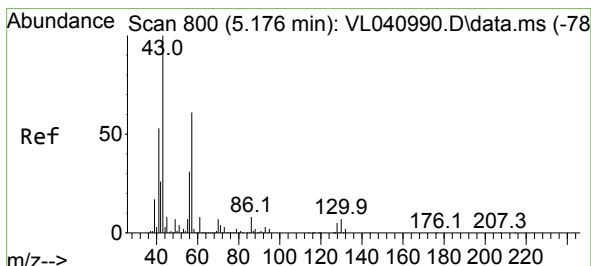
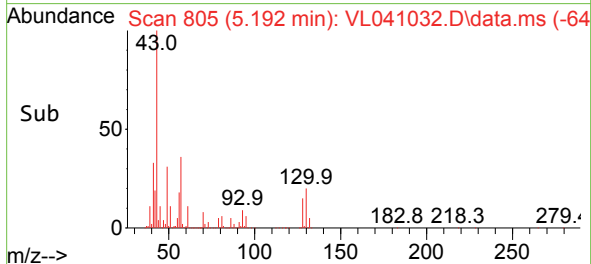
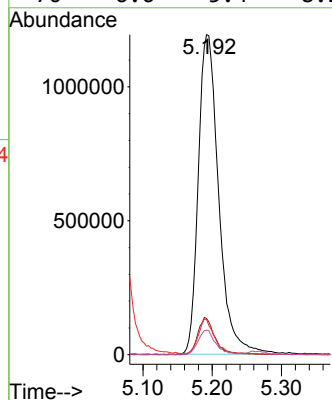
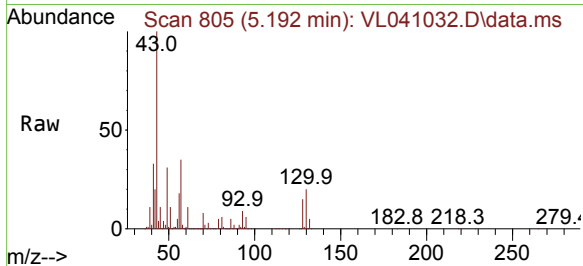


#25
Ethyl Acetate
Concen: 9.824 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2441791

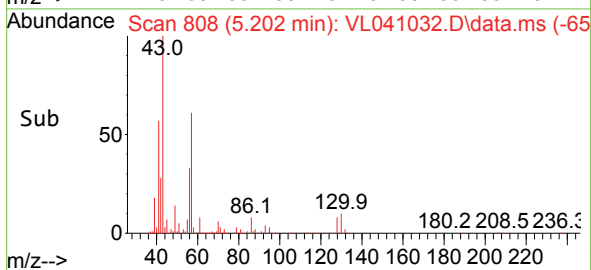
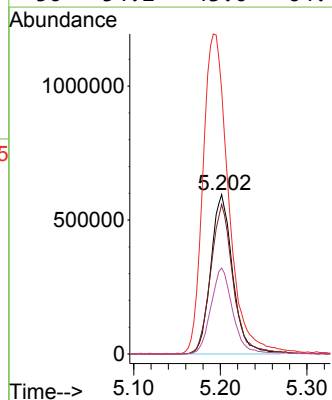
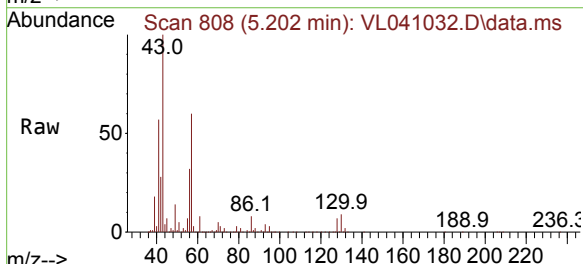
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.4	7.9	11.9
70	6.6	5.4	8.2

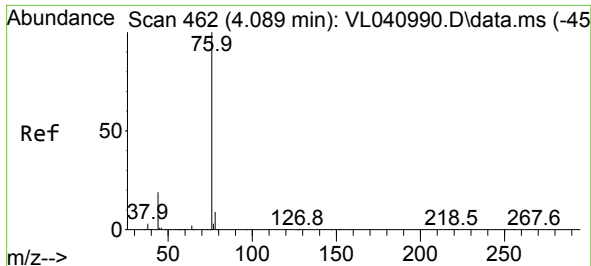


#26
Hexane
Concen: 9.887 ppbv
RT: 5.202 min Scan# 808
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 57 Resp: 1047553

Ion	Ratio	Lower	Upper
57	100		
41	96.2	74.4	111.6
43	235.4	190.6	285.8
56	54.2	43.0	64.4





#27

Carbon Disulfide

Concen: 10.160 ppbv

RT: 4.112 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

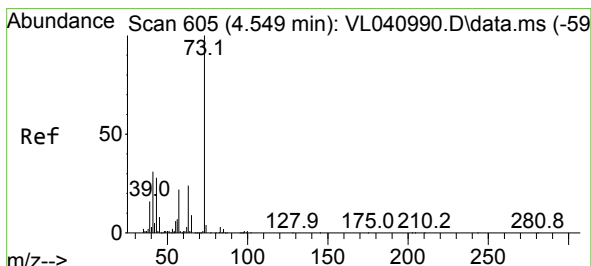
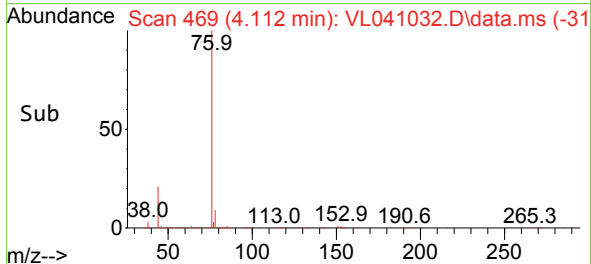
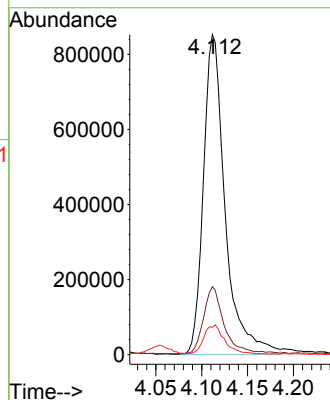
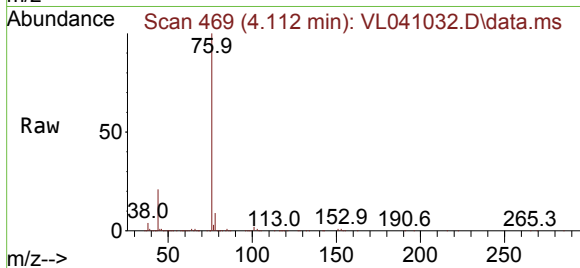
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76 Resp: 1400806

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.0	24.0
78	9.2	7.8	11.8



#28

Methyl tert-Butyl Ether

Concen: 8.849 ppbv

RT: 4.575 min Scan# 613

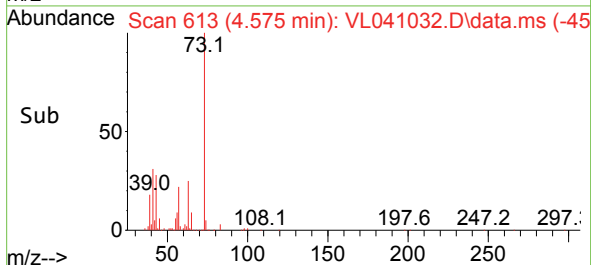
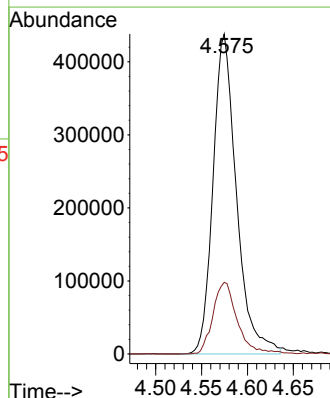
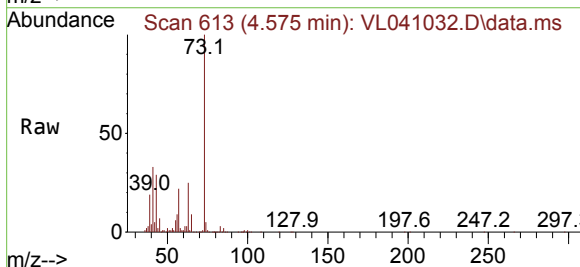
Delta R.T. 0.003 min

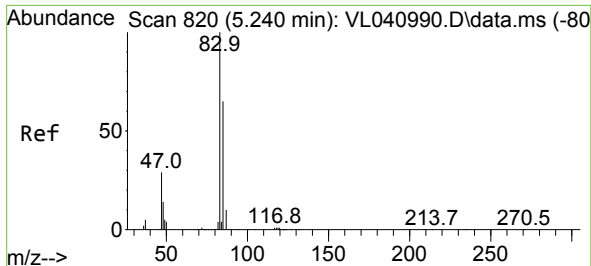
Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion: 73 Resp: 778084

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.0	27.0





#29

Chloroform

Concen: 9.751 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.006 min

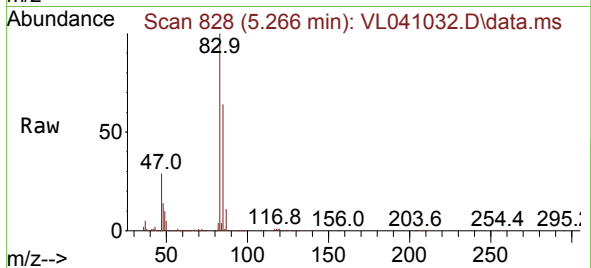
Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

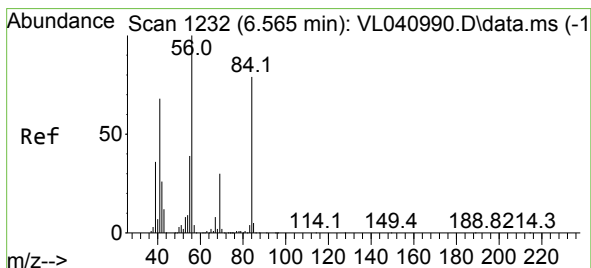
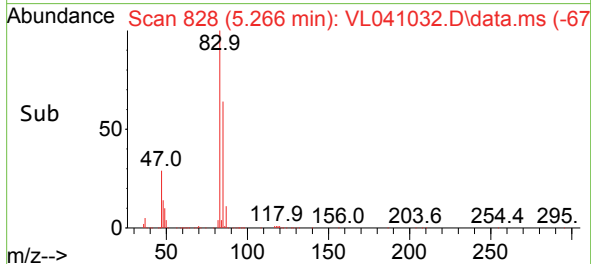
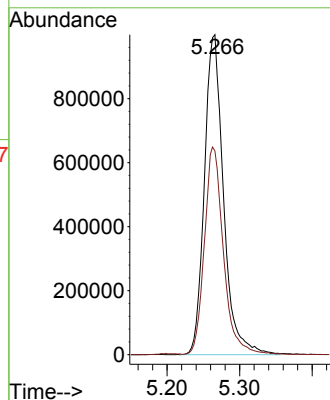


Tgt Ion: 83 Resp: 1832365

Ion Ratio Lower Upper

83 100

85 63.4 51.6 77.4



#30

Cyclohexane

Concen: 9.716 ppbv

RT: 6.591 min Scan# 1240

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

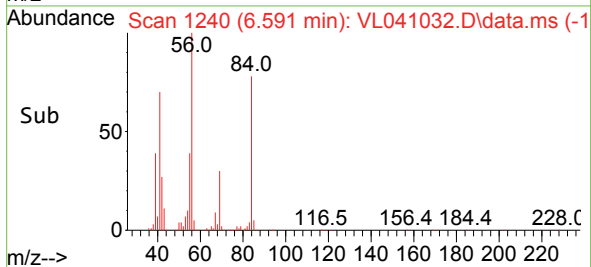
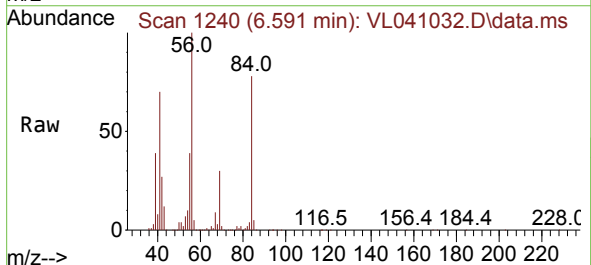
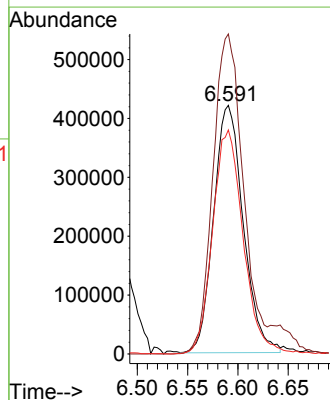
Tgt Ion: 84 Resp: 862475

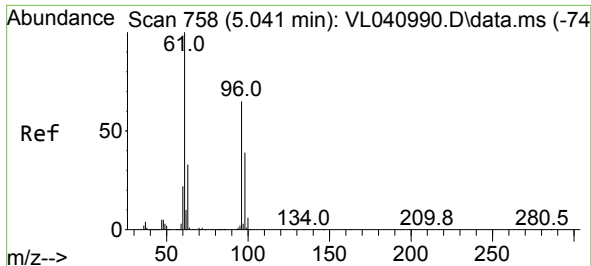
Ion Ratio Lower Upper

84 100

56 141.3 111.7 167.5

41 93.5 71.0 106.6

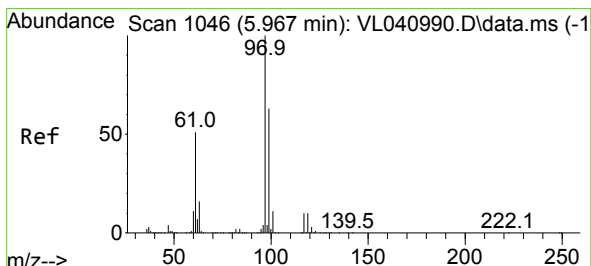
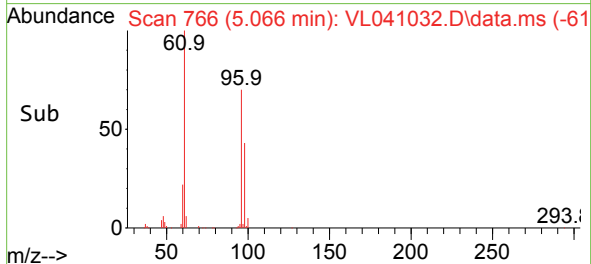
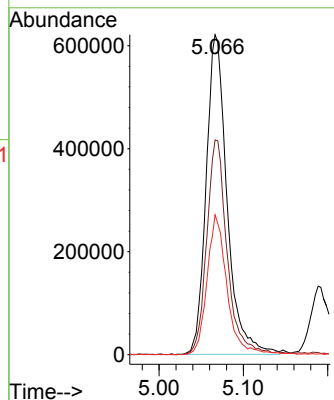
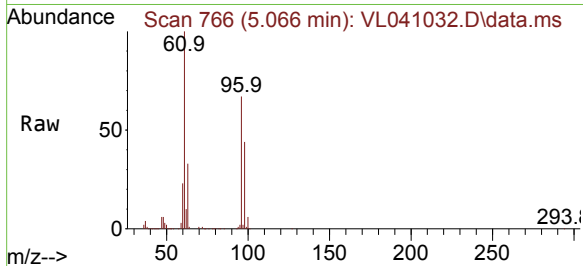




#31
 cis-1,2-Dichloroethene
 Concen: 10.806 ppbv
 RT: 5.066 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

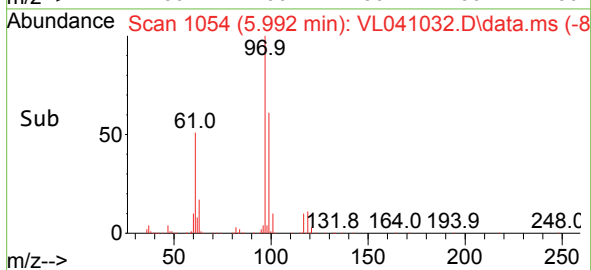
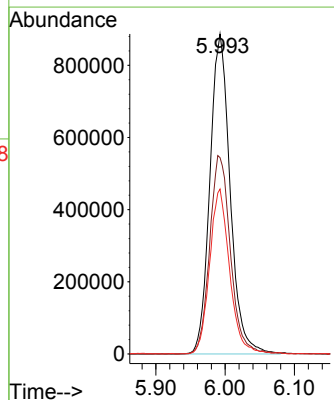
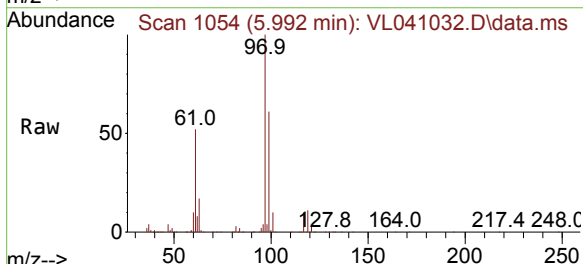
Instrument :
 MSVOA_L
 ClientSampleId :

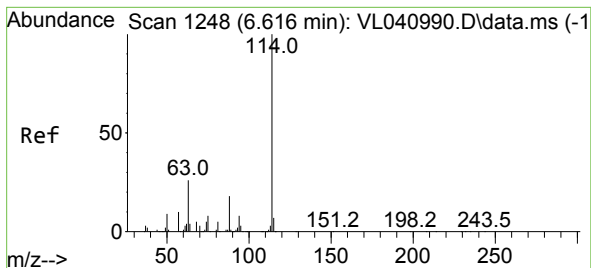
Tgt Ion: 61 Resp: 1074571
 Ion Ratio Lower Upper
 61 100
 96 67.1 51.9 77.9
 98 43.7 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 10.024 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 97 Resp: 1800286
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 50.9 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

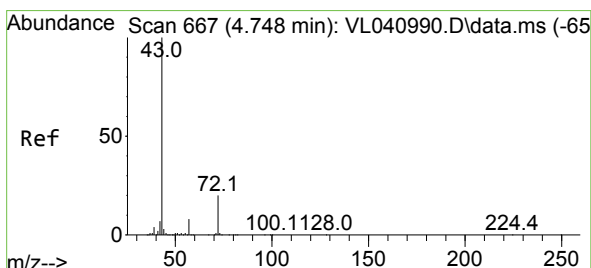
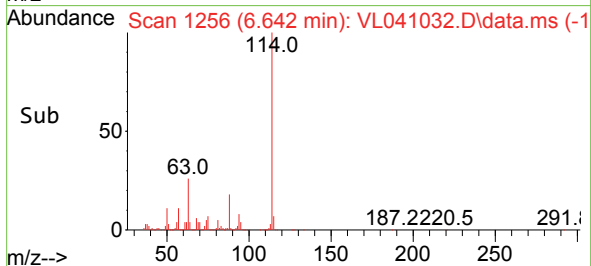
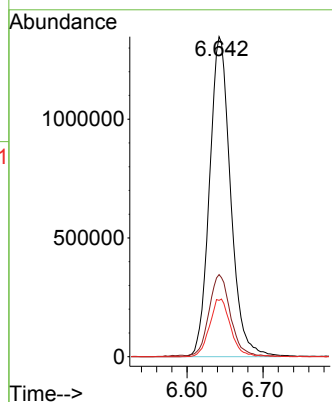
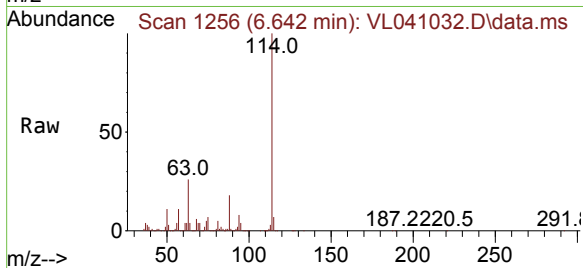
Tgt Ion:114 Resp: 2590566

Ion Ratio Lower Upper

114 100

63 26.9 20.8 31.2

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 10.530 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.003 min

Lab File: VL041032.D

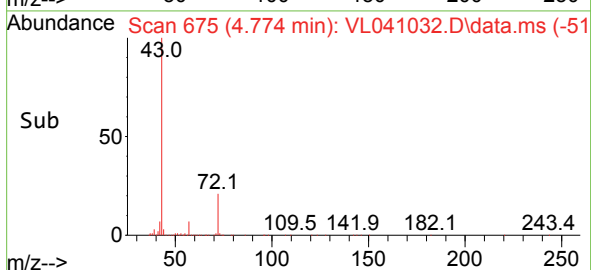
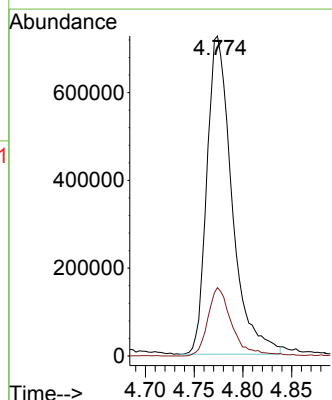
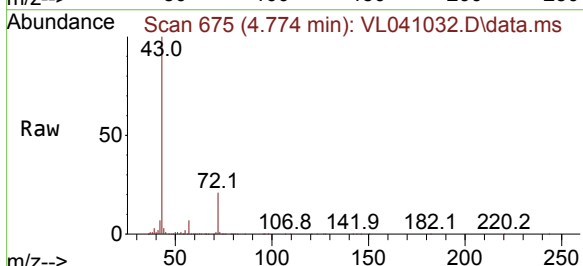
Acq: 25 Jan 2024 16:34

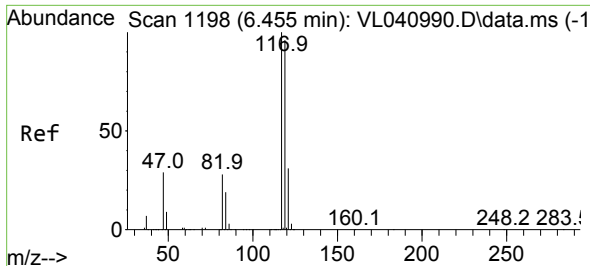
Tgt Ion: 43 Resp: 1299588

Ion Ratio Lower Upper

43 100

72 21.1 17.5 26.3

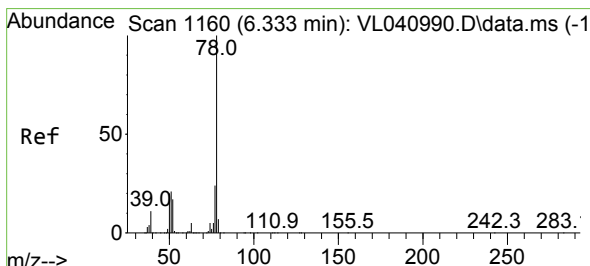
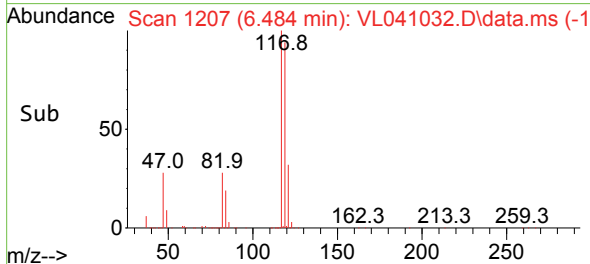
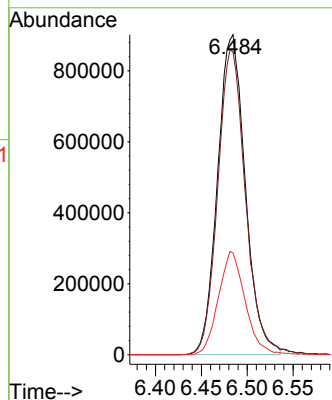
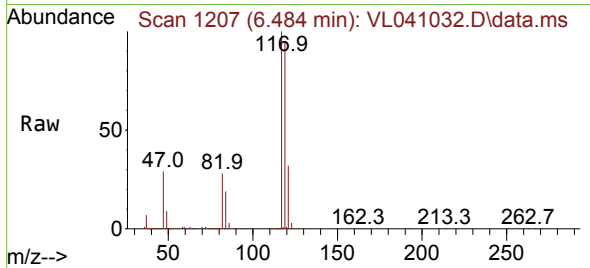




#35
Carbon Tetrachloride
Concen: 10.977 ppbv
RT: 6.484 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

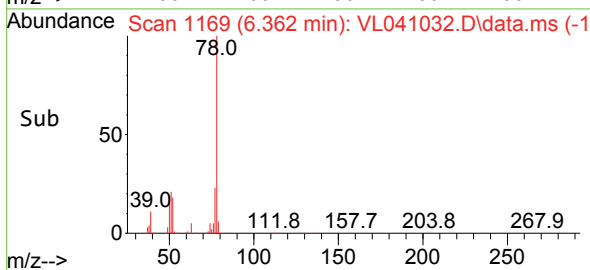
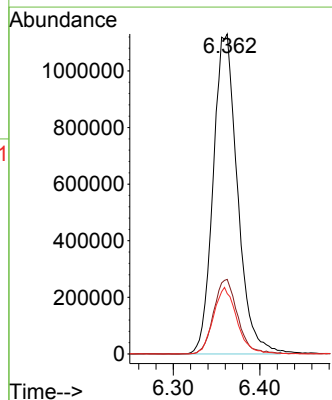
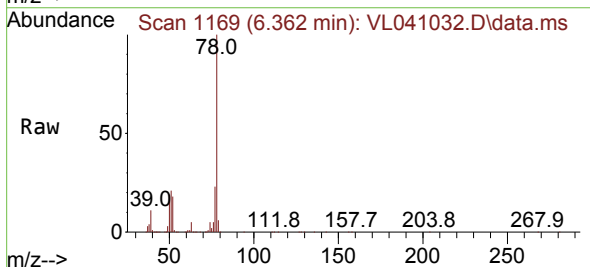
Instrument :
MSVOA_L
ClientSampleId :

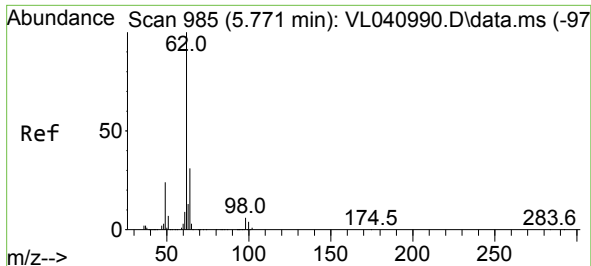
Tgt Ion:117 Resp: 1896304
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3
121 31.8 24.7 37.1



#36
Benzene
Concen: 10.310 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.007 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 78 Resp: 2205773
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4
50 18.8 15.8 23.6





#37

1,2-Dichloroethane

Concen: 10.454 ppbv

RT: 5.793 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

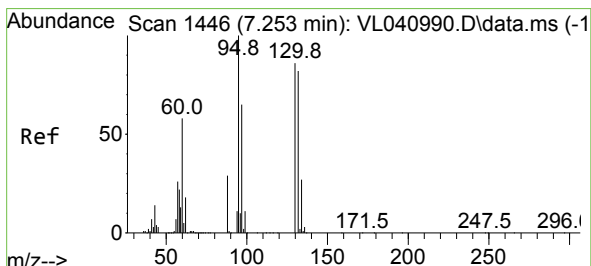
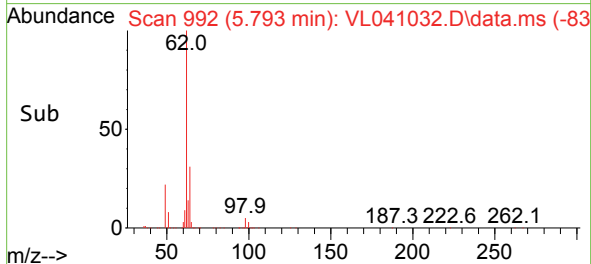
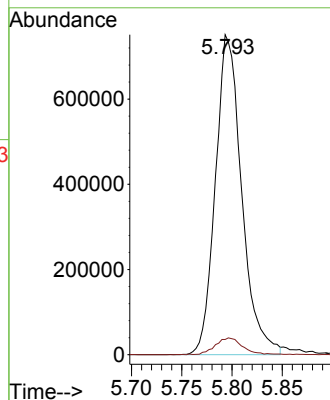
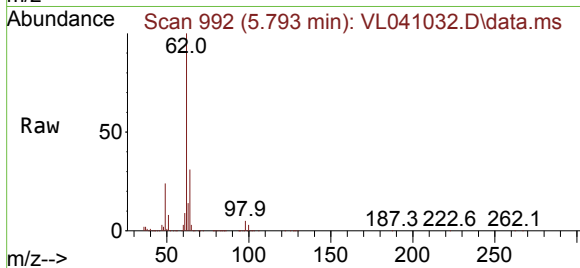
ClientSampleId :

Tgt Ion: 62 Resp: 1364947

Ion Ratio Lower Upper

62 100

98 5.6 4.7 7.1



#38

Trichloroethene

Concen: 9.944 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion:130 Resp: 852958

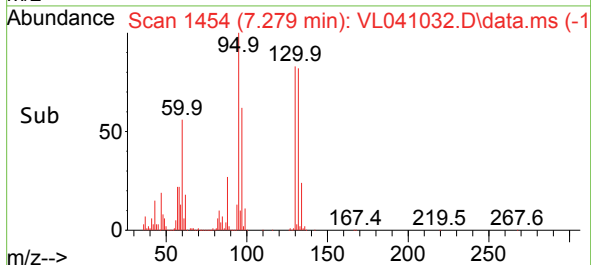
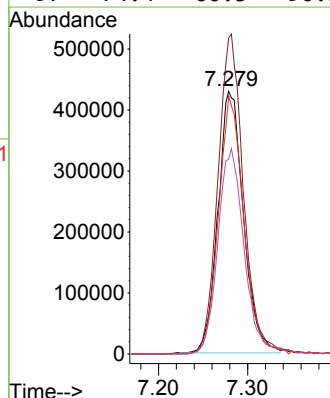
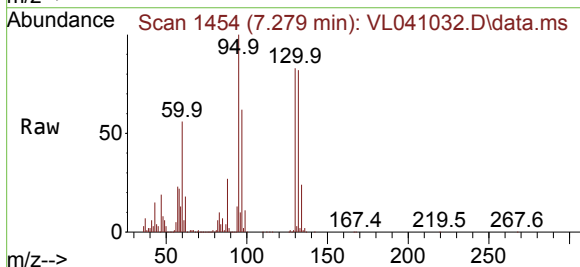
Ion Ratio Lower Upper

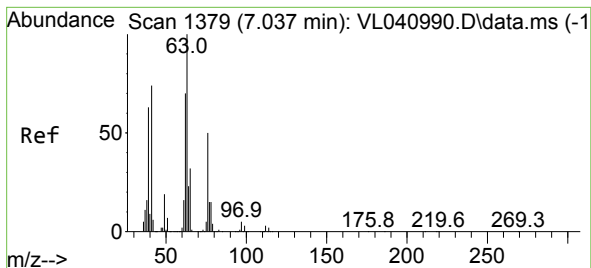
130 100

95 120.8 92.9 139.3

132 98.5 76.2 114.2

97 74.4 60.3 90.5





#39

1,2-Dichloropropane

Concen: 10.259 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

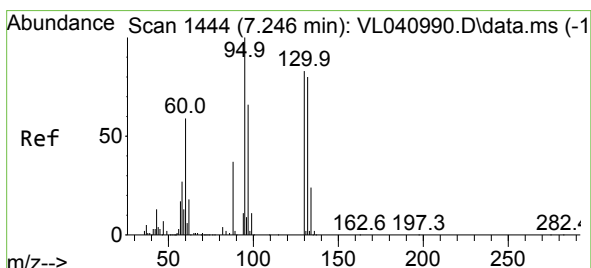
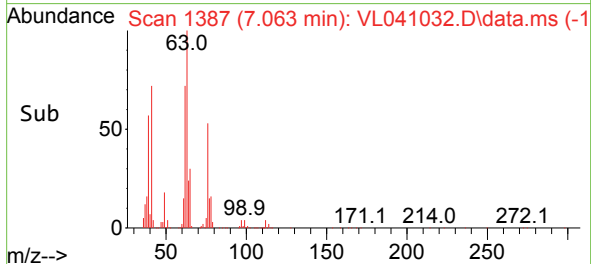
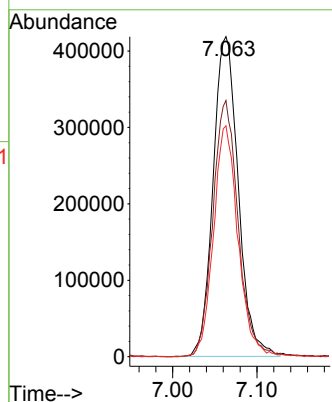
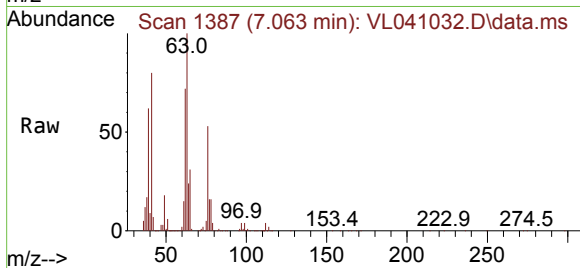
Tgt Ion: 63 Resp: 864683

Ion Ratio Lower Upper

63 100

41 80.1 59.6 89.4

62 72.1 55.6 83.4



#40

1,4-Dioxane

Concen: 9.959 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion: 88 Resp: 348620

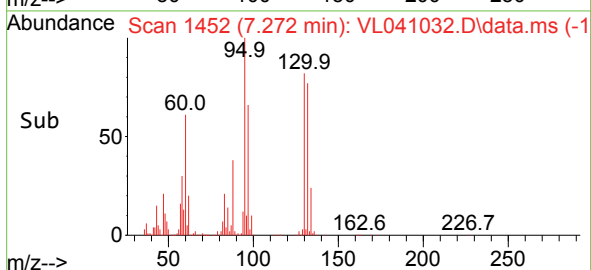
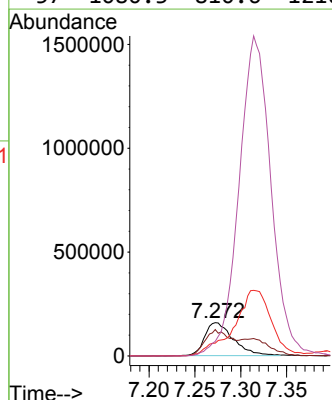
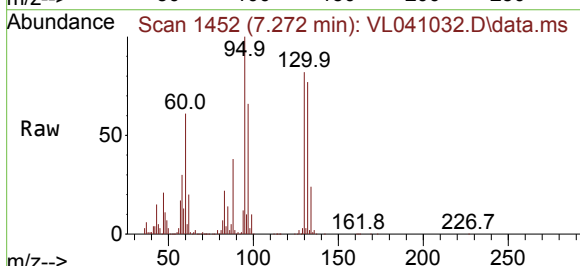
Ion Ratio Lower Upper

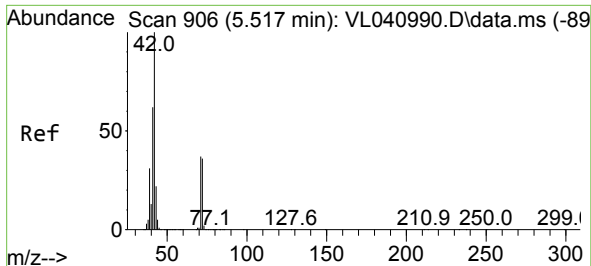
88 100

58 124.5 96.6 144.8

43 257.2 191.0 286.6

57 1080.3 810.6 1216.0

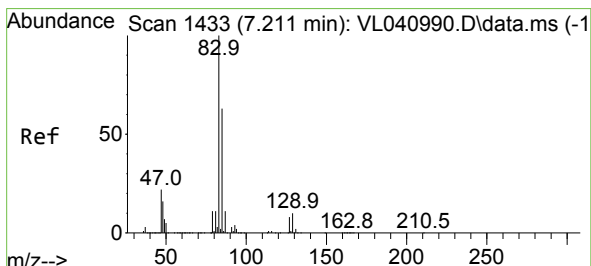
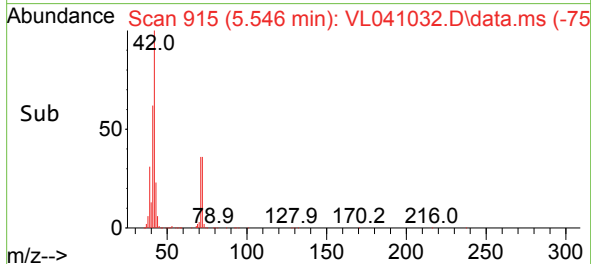
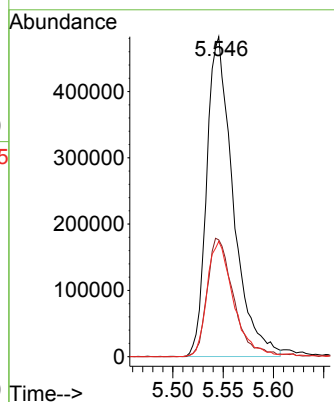
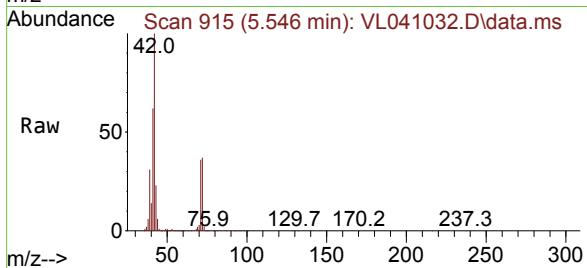




#41
Tetrahydrofuran
Concen: 10.515 ppbv
RT: 5.546 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

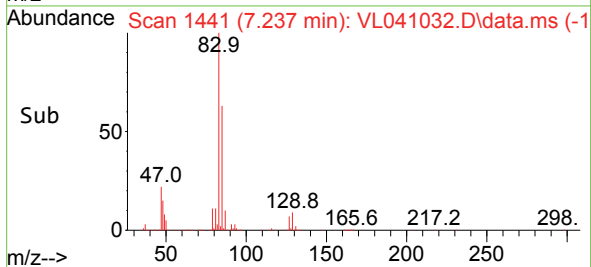
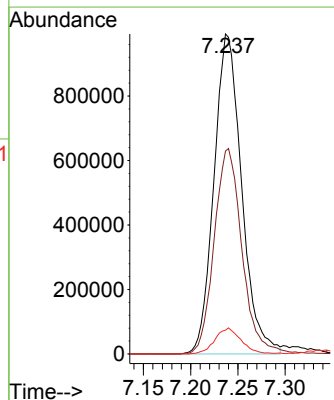
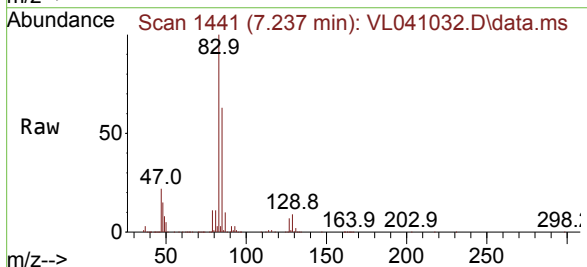
Instrument :
MSVOA_L
ClientSampleId :

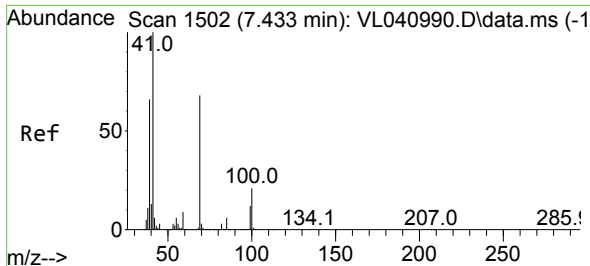
Tgt Ion: 42 Resp: 881108
Ion Ratio Lower Upper
42 100
72 37.9 30.0 45.0
71 37.0 29.5 44.3



#42
Bromodichloromethane
Concen: 10.818 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 83 Resp: 2020951
Ion Ratio Lower Upper
83 100
85 63.4 50.5 75.7
127 7.4 6.4 9.6

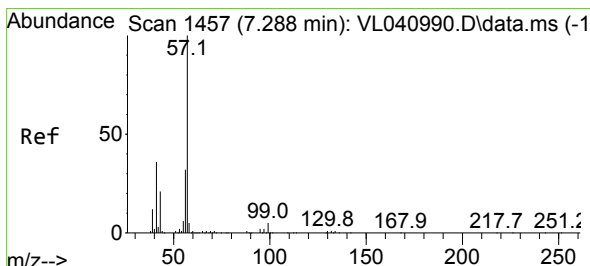
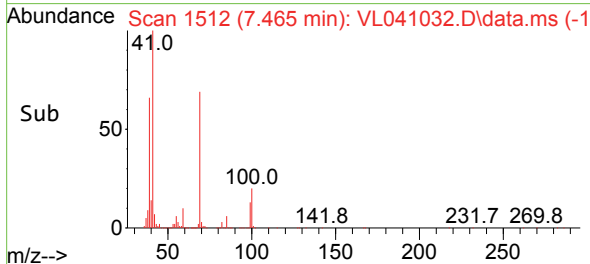
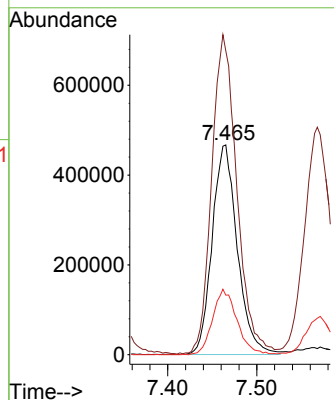
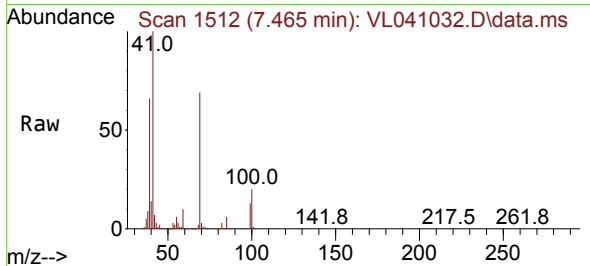




#43
Methyl Methacrylate
Concen: 11.094 ppbv
RT: 7.465 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

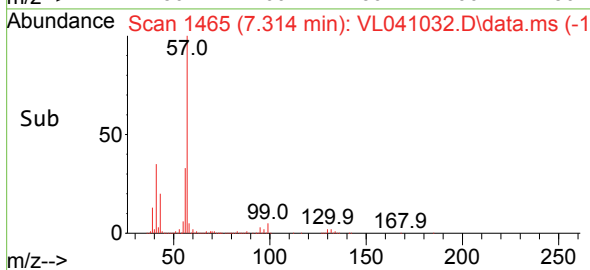
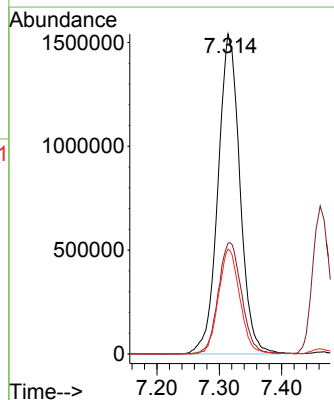
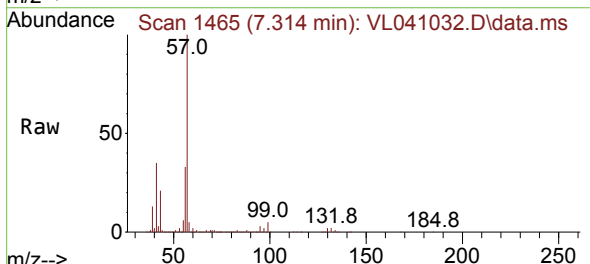
Instrument :
MSVOA_L
ClientSampleId :

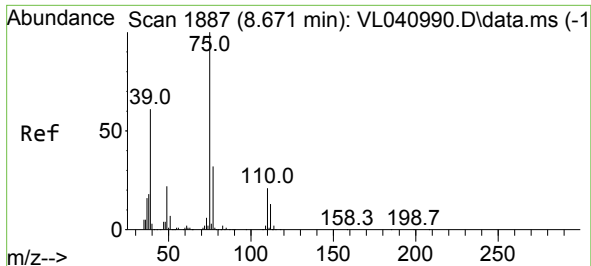
Tgt Ion: 69 Resp: 915938
Ion Ratio Lower Upper
69 100
41 152.7 120.2 180.2
100 30.3 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 10.443 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 57 Resp: 3759501
Ion Ratio Lower Upper
57 100
41 37.2 28.6 43.0
56 32.0 25.2 37.8

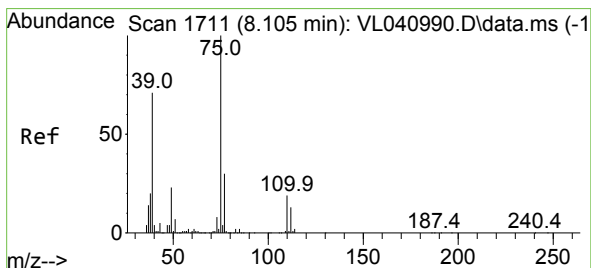
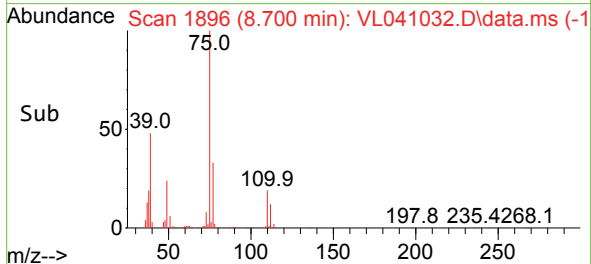
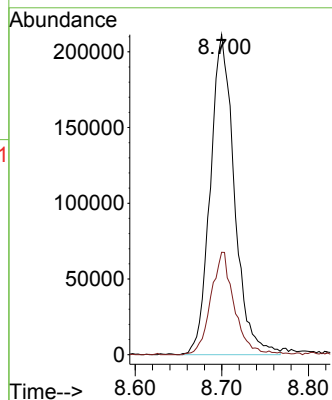
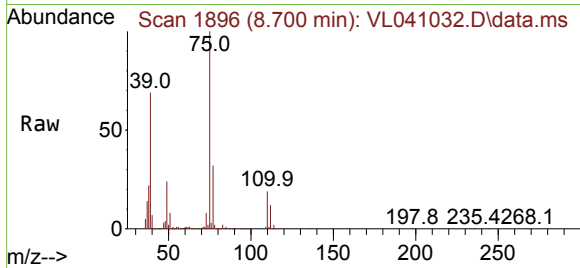




#45
t-1,3-Dichloropropene
Concen: 7.245 ppbv
RT: 8.700 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

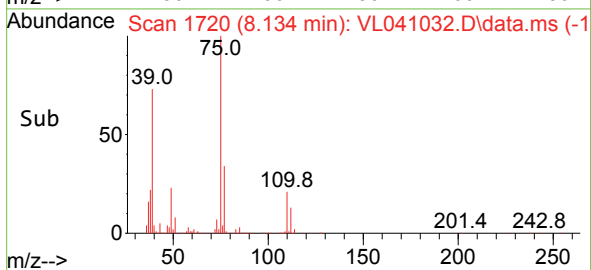
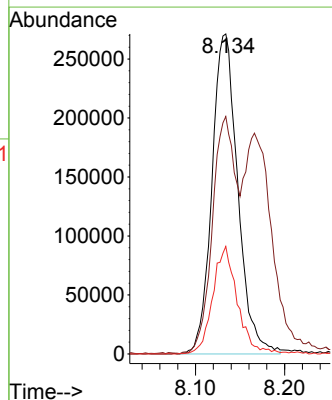
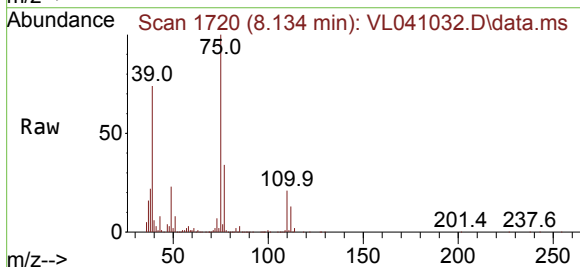
Instrument :
MSVOA_L
ClientSampleId :

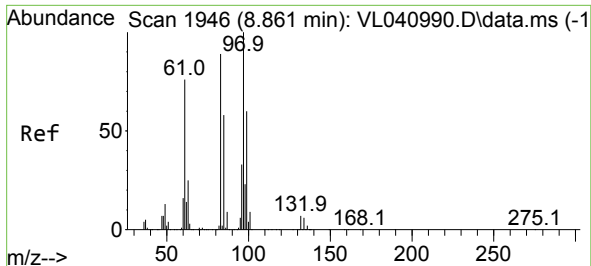
Tgt Ion: 75 Resp: 408693
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 7.769 ppbv
RT: 8.134 min Scan# 1720
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 75 Resp: 546563
Ion Ratio Lower Upper
75 100
39 74.1 57.3 85.9
77 33.5 24.3 36.5



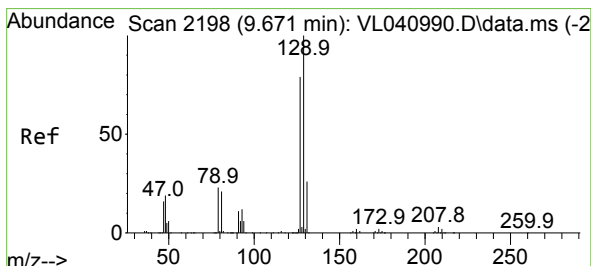
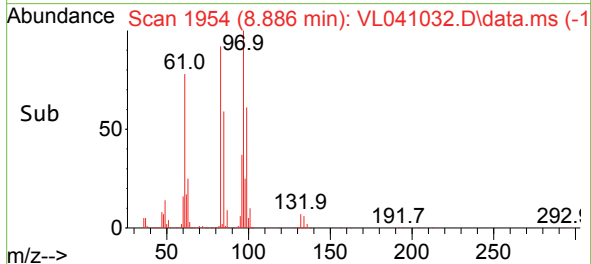
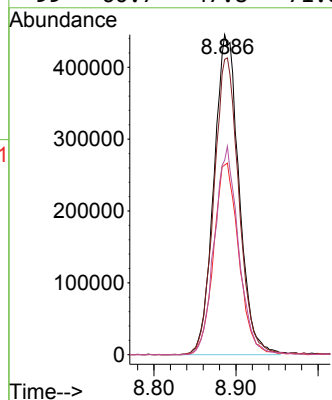
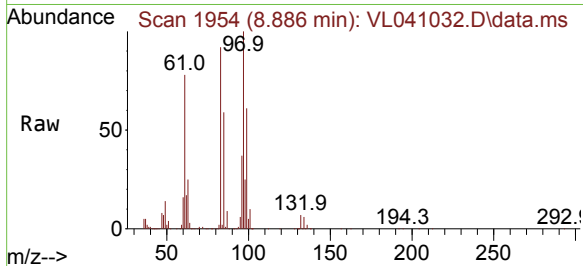


#47
 1,1,2-Trichloroethane
 Concen: 10.433 ppbv
 RT: 8.886 min Scan# 1946
 Delta R.T. -0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 97 Resp: 947809

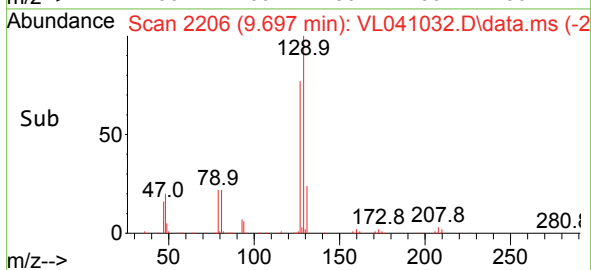
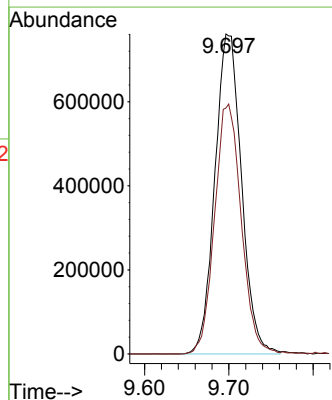
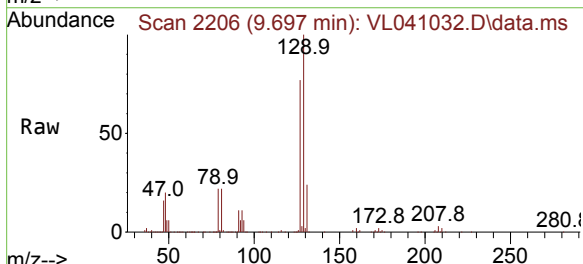
Ion	Ratio	Lower	Upper
97	100		
83	92.2	71.5	107.3
85	59.3	46.1	69.1
99	60.7	47.8	71.8

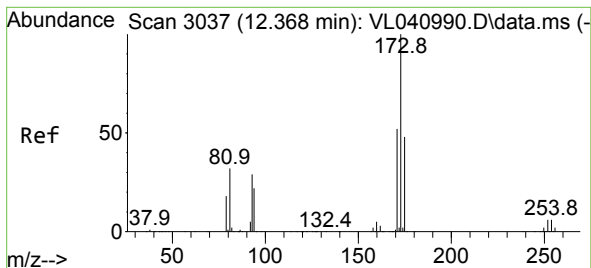


#48
 Dibromochloromethane
 Concen: 10.872 ppbv
 RT: 9.697 min Scan# 2206
 Delta R.T. 0.000 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Tgt Ion: 129 Resp: 1669806

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.6	119.0





#49

Bromoform

Concen: 11.694 ppbv

RT: 12.394 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

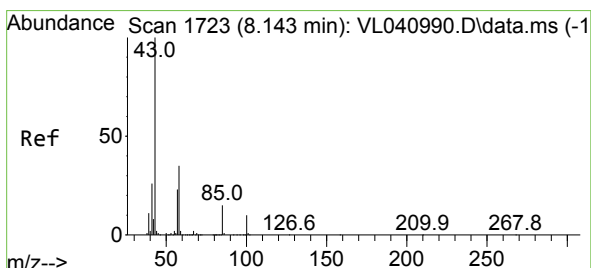
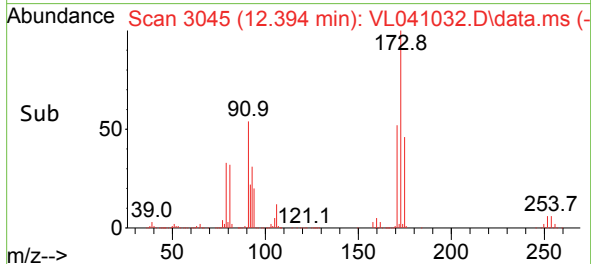
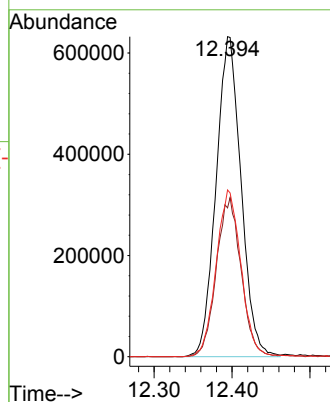
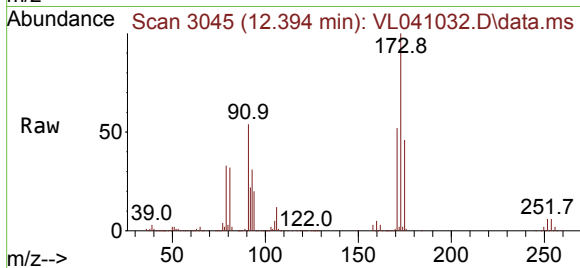
Tgt Ion:173 Resp: 1408901

Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

171 51.9 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 11.189 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.000 min

Lab File: VL041032.D

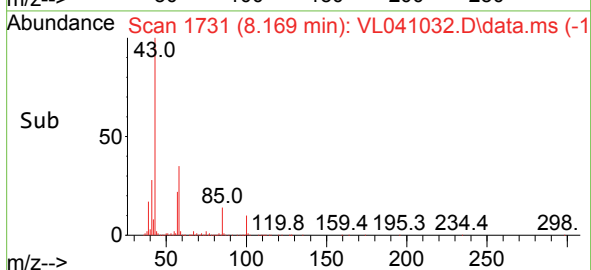
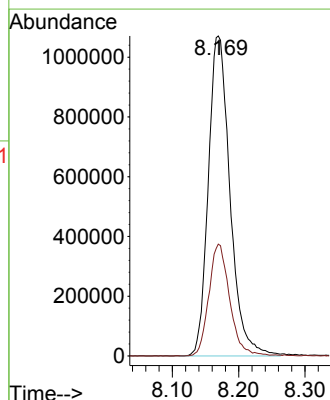
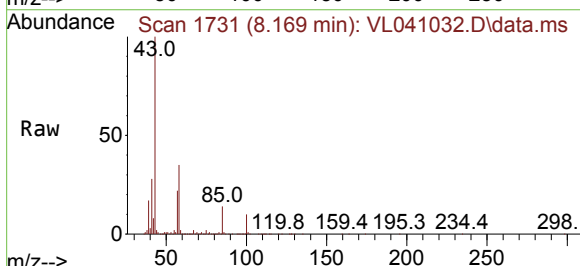
Acq: 25 Jan 2024 16:34

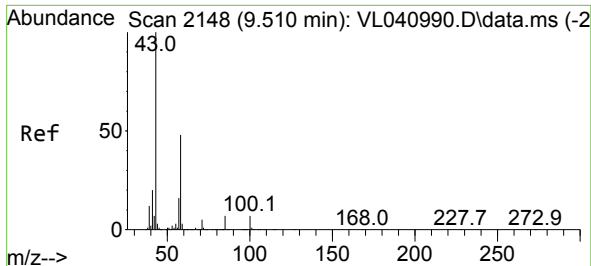
Tgt Ion: 43 Resp: 2431896

Ion Ratio Lower Upper

43 100

58 33.9 27.8 41.8

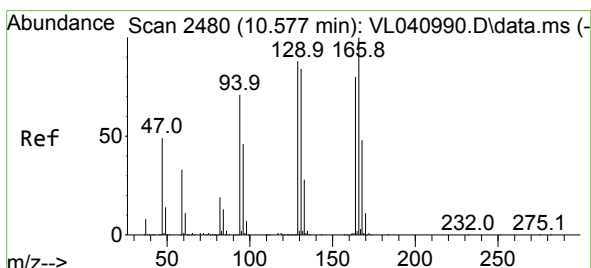
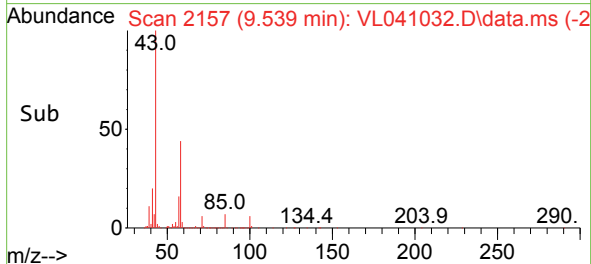
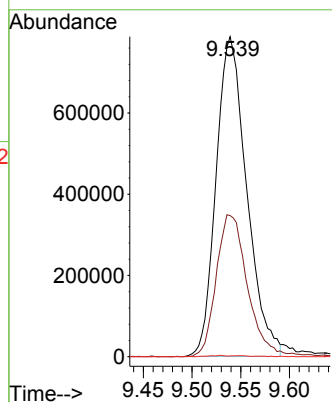
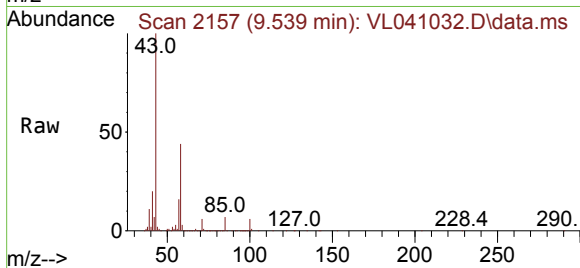




#51
2-Hexanone
Concen: 10.980 ppbv
RT: 9.539 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

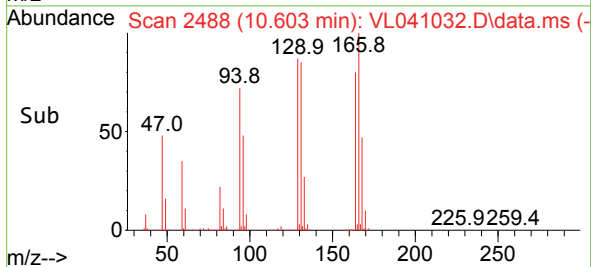
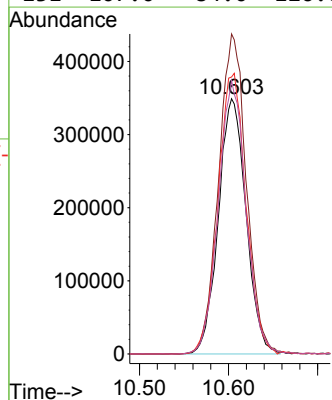
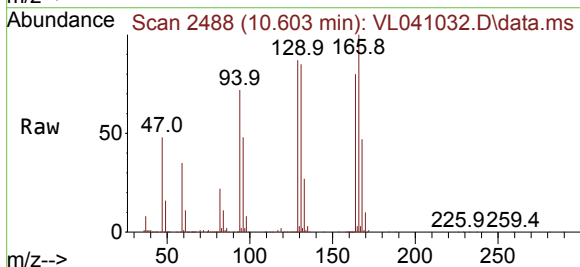
Instrument :
MSVOA_L
ClientSampleId :

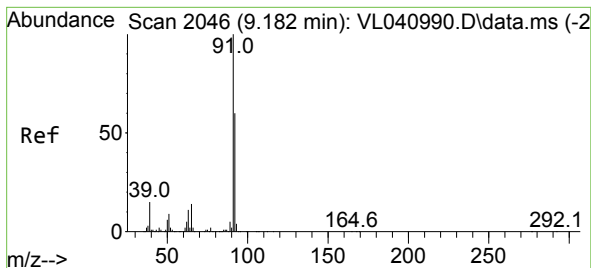
Tgt Ion: 43 Resp: 1720273
Ion Ratio Lower Upper
43 100
58 45.6 36.8 55.2
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.578 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:164 Resp: 751576
Ion Ratio Lower Upper
164 100
166 125.4 100.2 150.2
129 108.5 87.9 131.9
131 107.0 84.0 126.0





#53

Toluene

Concen: 10.856 ppbv

RT: 9.208 min Scan# 2046

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

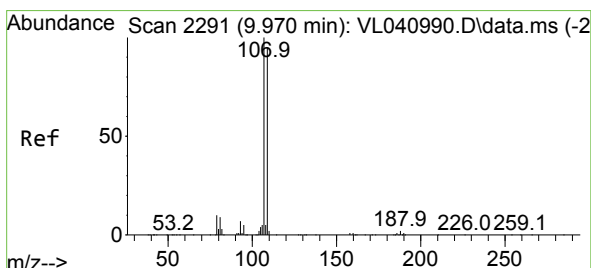
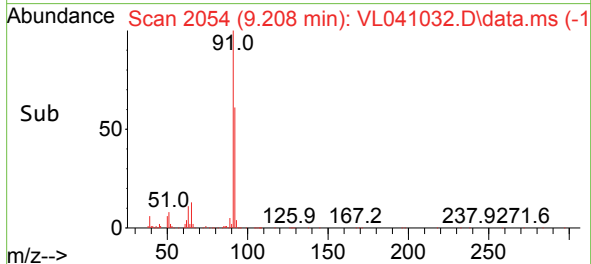
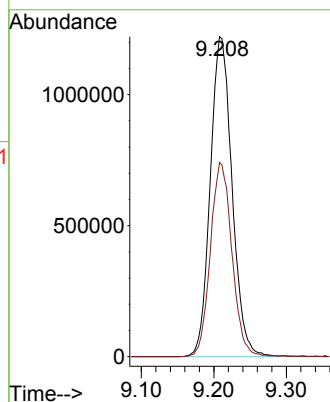
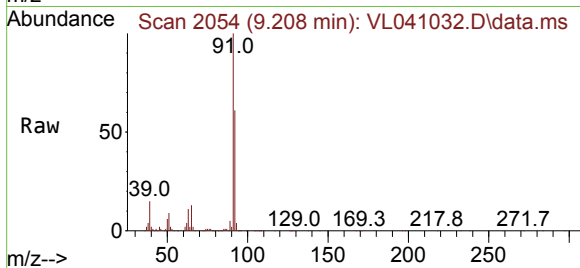
ClientSampleId :

Tgt Ion: 91 Resp: 2544337

Ion Ratio Lower Upper

91 100

92 60.2 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.062 ppbv

RT: 9.999 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VL041032.D

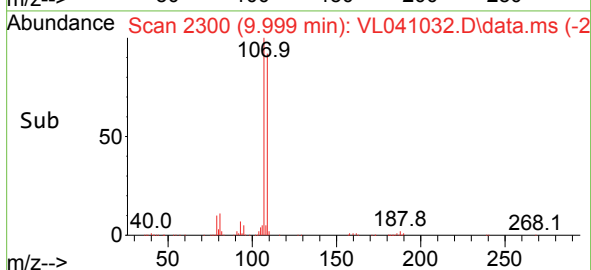
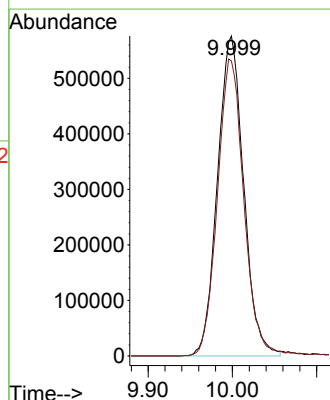
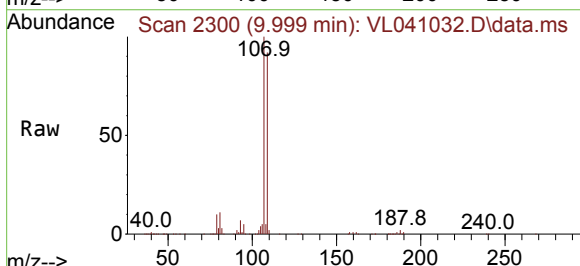
Acq: 25 Jan 2024 16:34

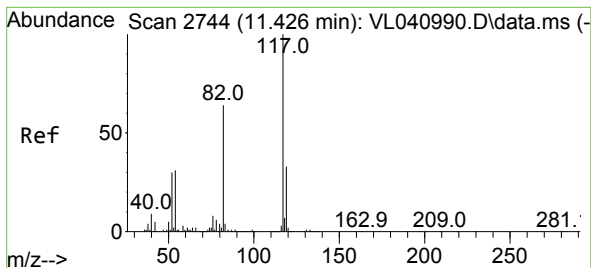
Tgt Ion: 107 Resp: 1237934

Ion Ratio Lower Upper

107 100

109 92.2 76.1 114.1

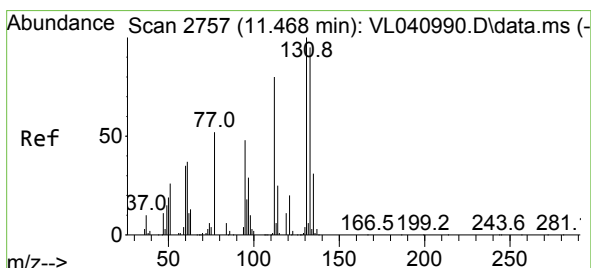
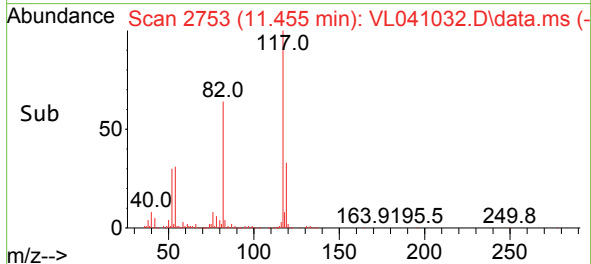
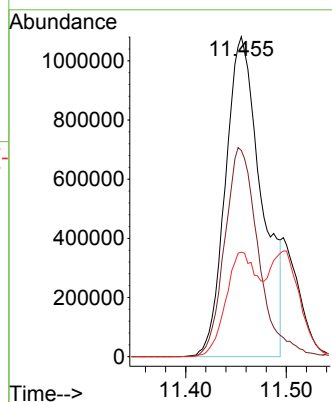
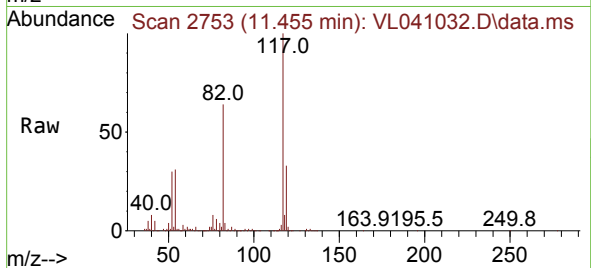




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

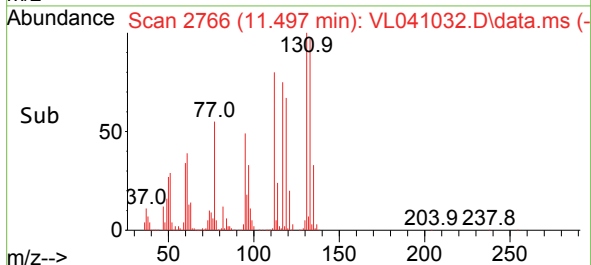
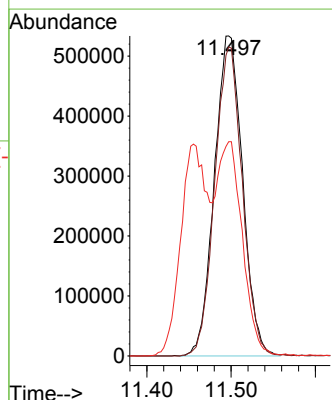
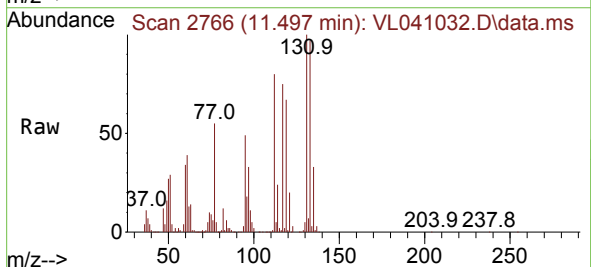
Instrument :
MSVOA_L
ClientSampleId :

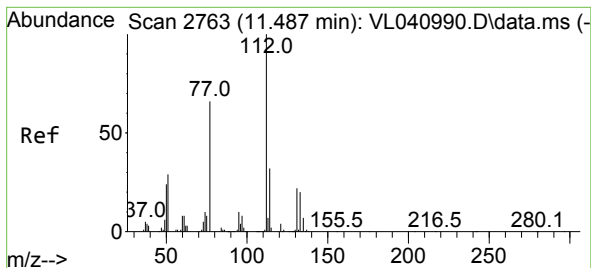
Tgt Ion:117 Resp: 2685766
Ion Ratio Lower Upper
117 100
82 61.9 51.7 77.5
119 28.1 23.8 35.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.617 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:131 Resp: 1239220
Ion Ratio Lower Upper
131 100
133 94.7 75.9 113.9
119 64.5 49.2 73.8





#57

Chlorobenzene

Concen: 9.123 ppbv

RT: 11.516 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

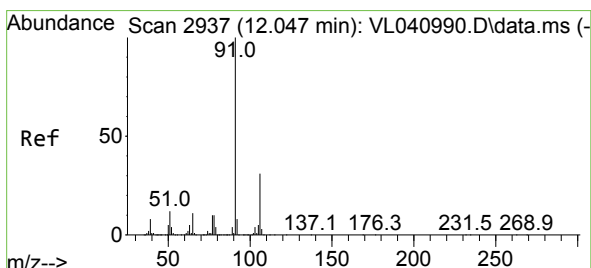
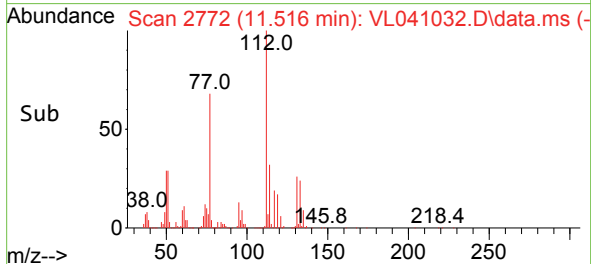
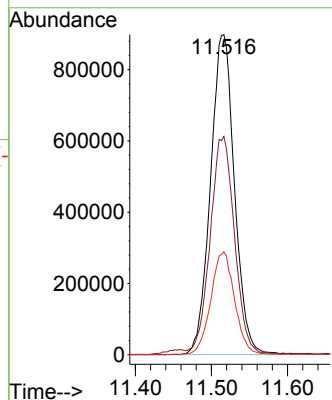
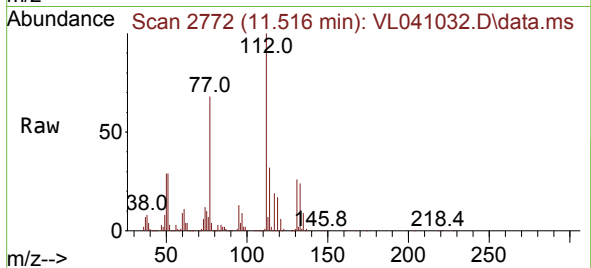
Tgt Ion:112 Resp: 1970970

Ion Ratio Lower Upper

112 100

77 67.9 53.4 80.0

114 32.1 29.1 35.5



#58

Ethyl Benzene

Concen: 9.702 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041032.D

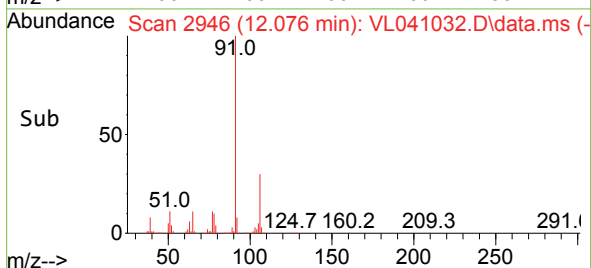
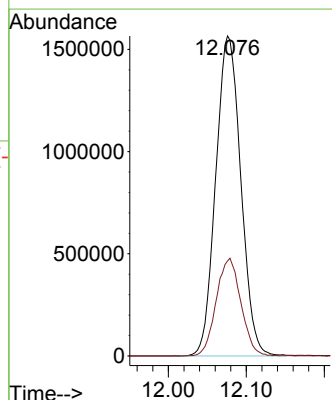
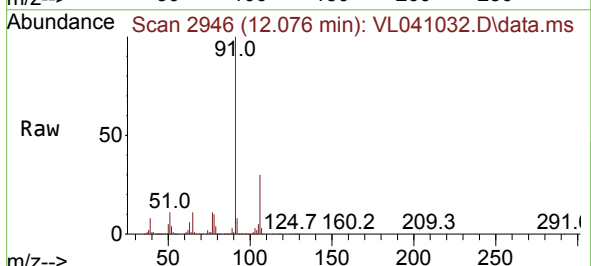
Acq: 25 Jan 2024 16:34

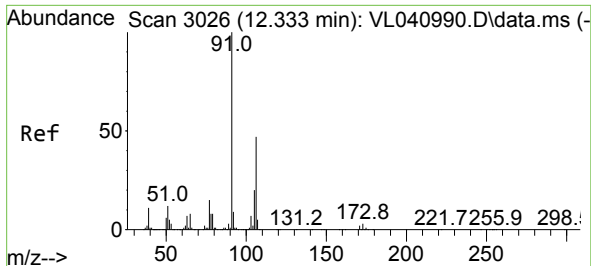
Tgt Ion: 91 Resp: 3499202

Ion Ratio Lower Upper

91 100

106 29.7 24.8 37.2





#59

m/p-Xylene

Concen: 10.235 ppbv

RT: 12.362 min Scan# 3026

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

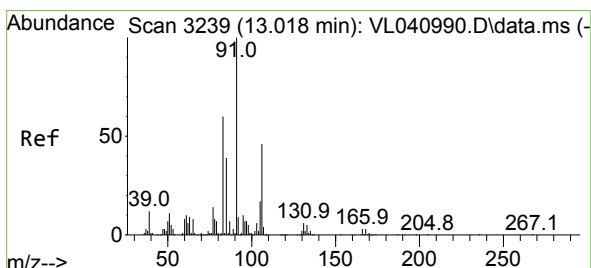
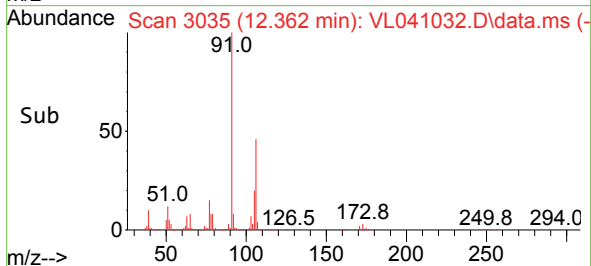
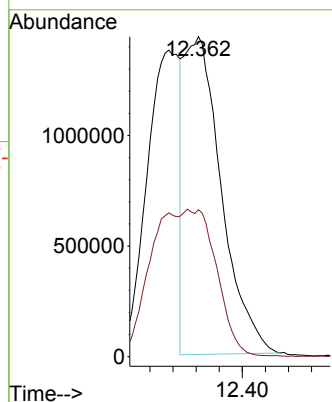
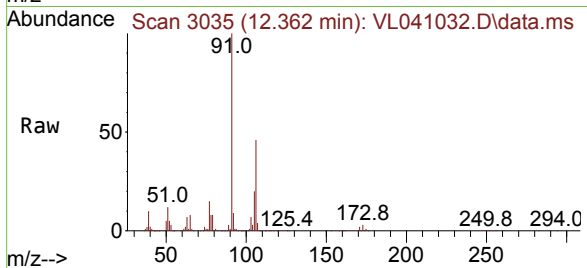
ClientSampleId :

Tgt Ion: 91 Resp: 3218348

Ion Ratio Lower Upper

91 100

106 81.6 34.9 52.3#



#60

o-Xylene

Concen: 9.694 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041032.D

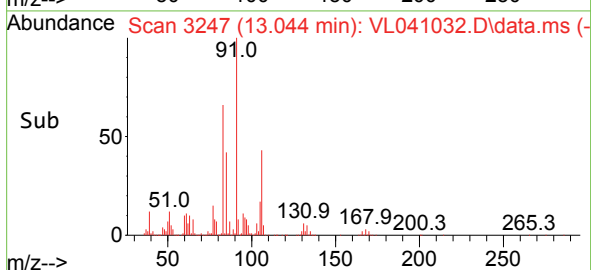
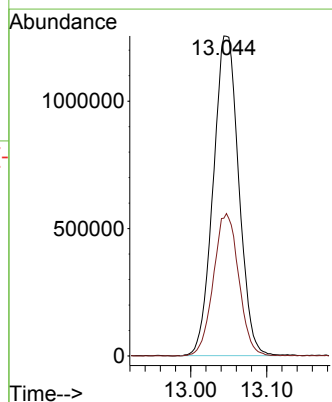
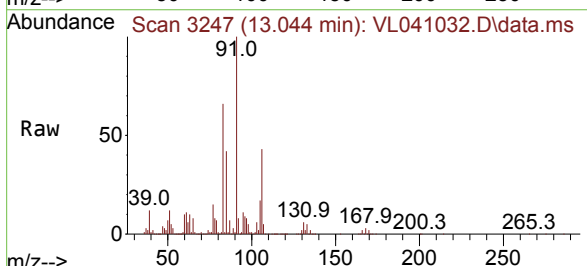
Acq: 25 Jan 2024 16:34

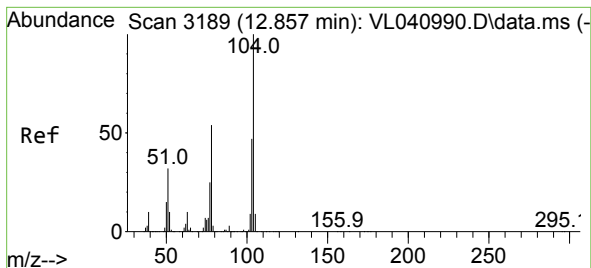
Tgt Ion: 91 Resp: 2924665

Ion Ratio Lower Upper

91 100

106 44.2 22.6 67.7





#61

Styrene

Concen: 10.303 ppbv

RT: 12.886 min Scan# 3189

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

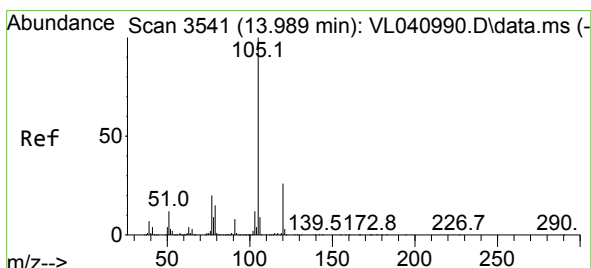
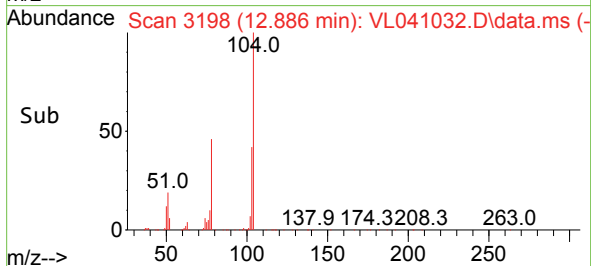
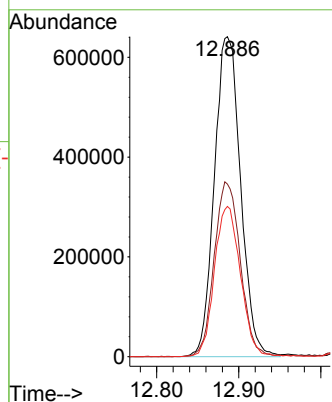
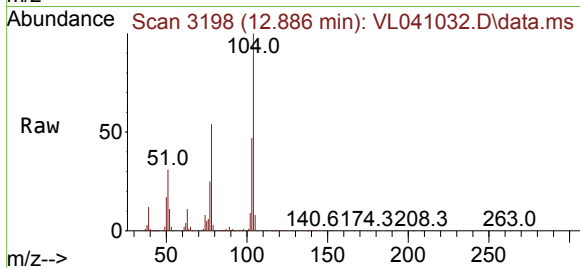
Tgt Ion:104 Resp: 1427263

Ion Ratio Lower Upper

104 100

78 54.3 42.7 64.1

103 46.8 37.6 56.4



#62

Isopropylbenzene

Concen: 9.495 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.003 min

Lab File: VL041032.D

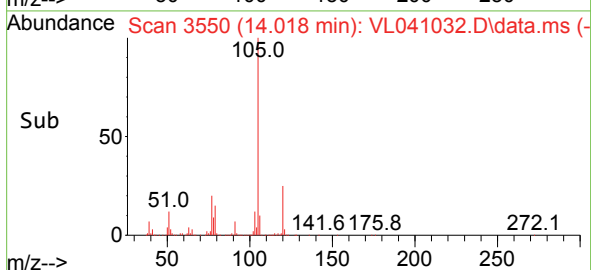
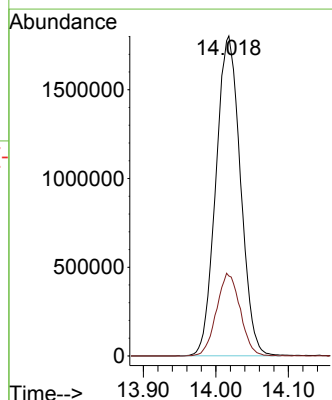
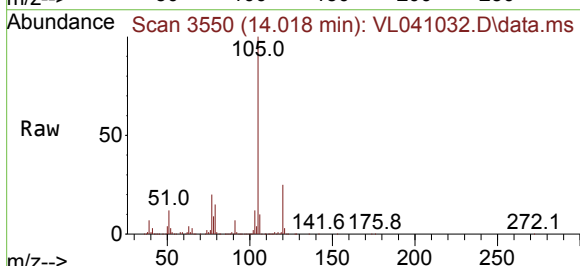
Acq: 25 Jan 2024 16:34

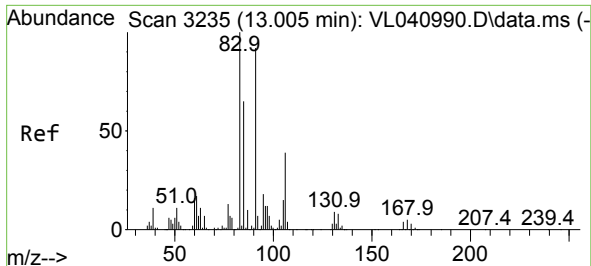
Tgt Ion:105 Resp: 4236644

Ion Ratio Lower Upper

105 100

120 25.0 20.9 31.3

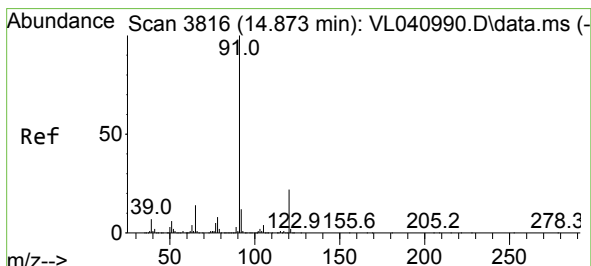
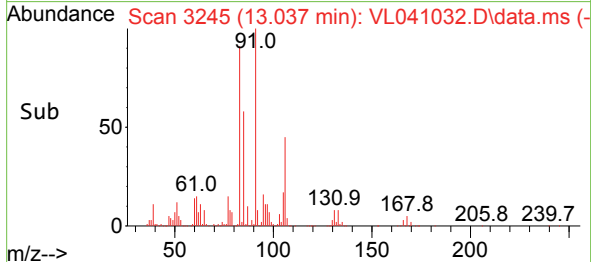
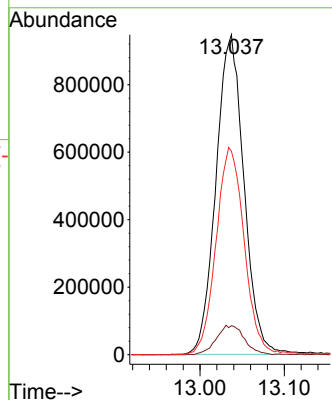
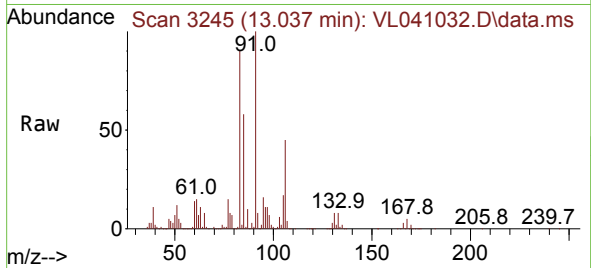




#63
1,1,2,2-Tetrachloroethane
Concen: 9.277 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

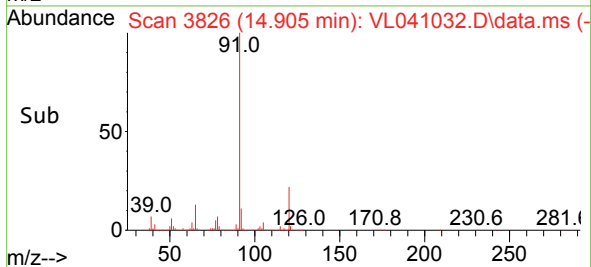
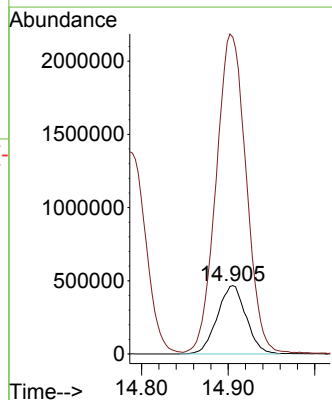
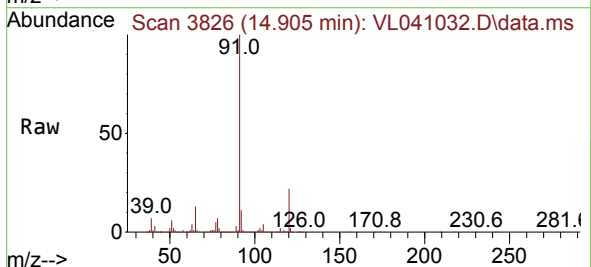
Instrument :
MSVOA_L
ClientSampleId :

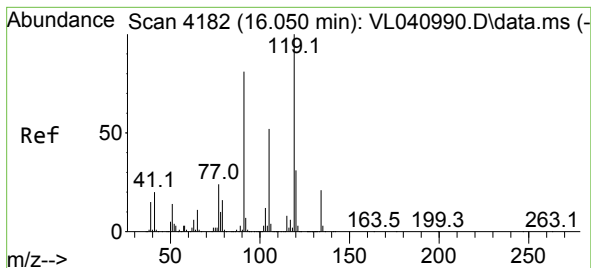
Tgt Ion: 83 Resp: 2175250
Ion Ratio Lower Upper
83 100
131 9.4 4.6 13.8
85 66.2 33.0 99.0



#64
n-propylbenzene
Concen: 9.562 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion:120 Resp: 1077866
Ion Ratio Lower Upper
120 100
91 491.5 390.6 585.8

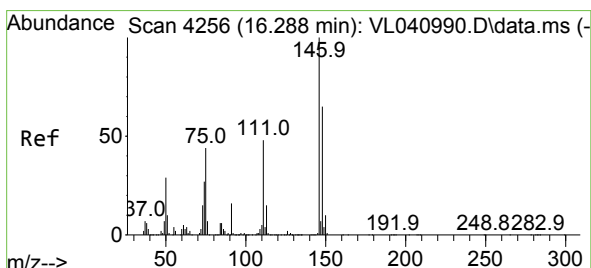
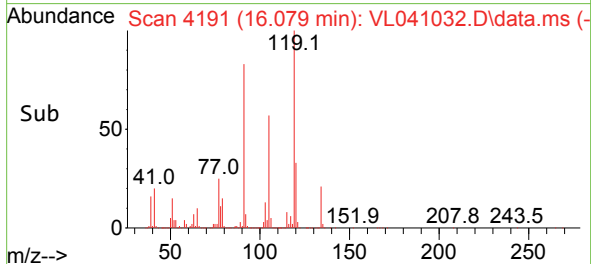
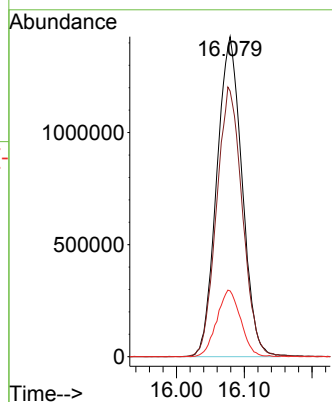
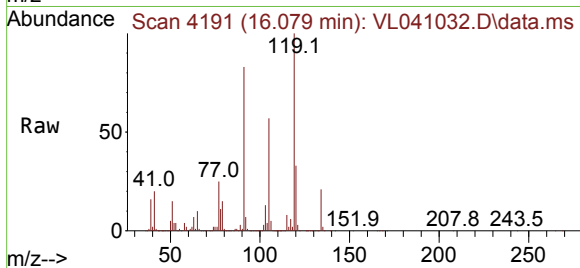




#65
tert-Butylbenzene
Concen: 9.480 ppbv
RT: 16.079 min Scan# 4182
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

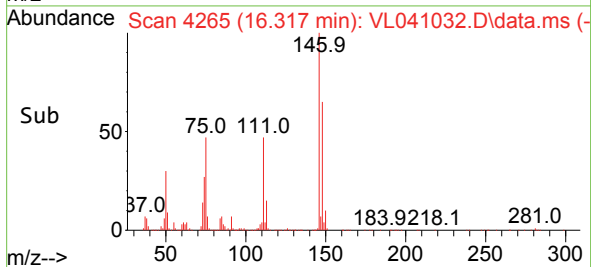
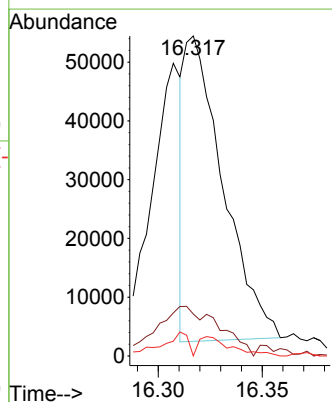
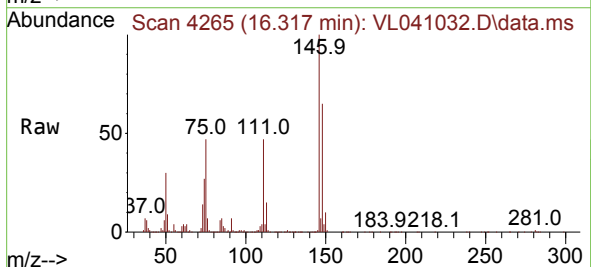
Instrument :
MSVOA_L
ClientSampleId :

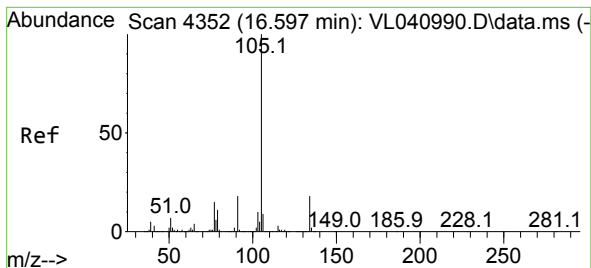
Tgt Ion:119 Resp: 3695652
Ion Ratio Lower Upper
119 100
91 86.2 67.6 101.4
134 19.8 16.1 24.1



#66
Benzyl Chloride
Concen: 2.620 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 91 Resp: 66930
Ion Ratio Lower Upper
91 100
126 29.9 13.6 20.4#
128 11.7 4.2 6.2#

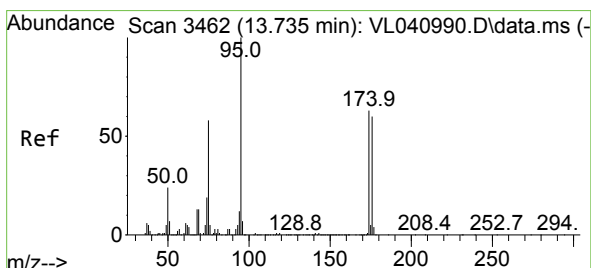
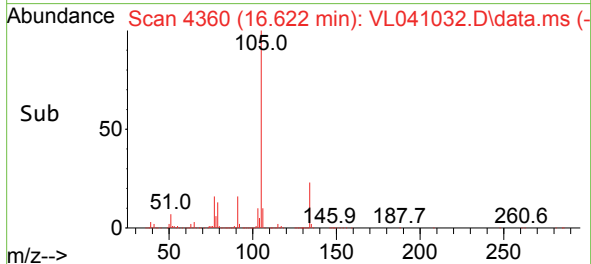
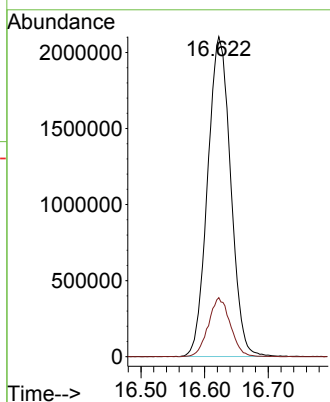
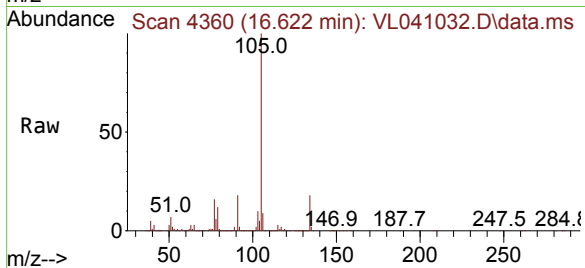




#67
sec-Butylbenzene
Concen: 9.324 ppbv
RT: 16.622 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

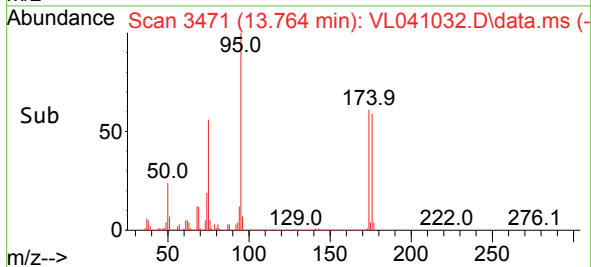
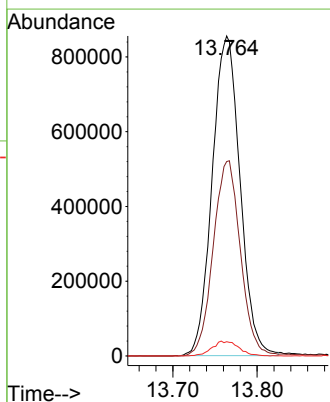
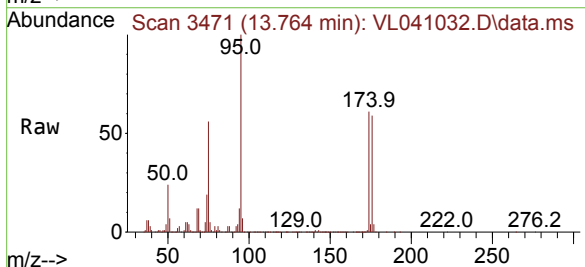
Instrument :
MSVOA_L
ClientSampleId :

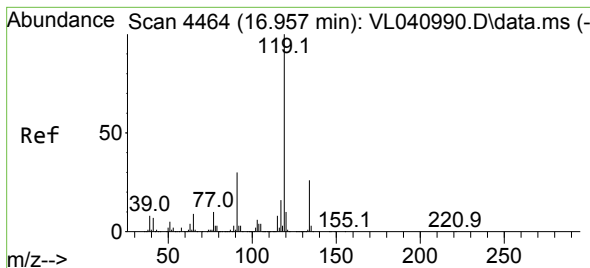
Tgt Ion:105 Resp: 5292691
Ion Ratio Lower Upper
105 100
134 17.6 14.2 21.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.663 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 95 Resp: 1960143
Ion Ratio Lower Upper
95 100
174 60.5 49.1 73.7
175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.492 ppbv

RT: 16.982 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

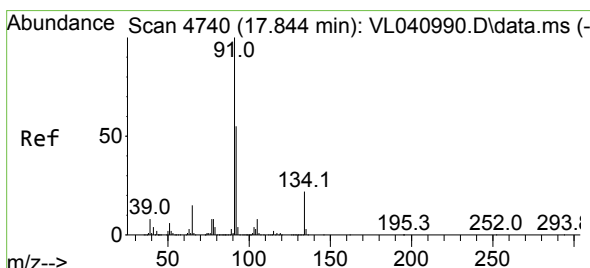
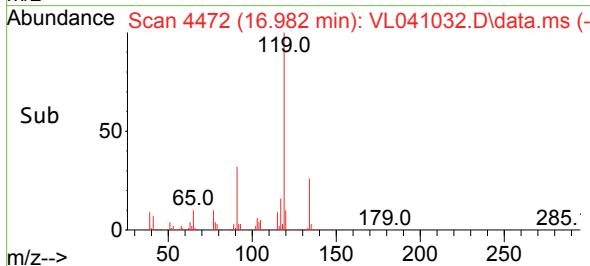
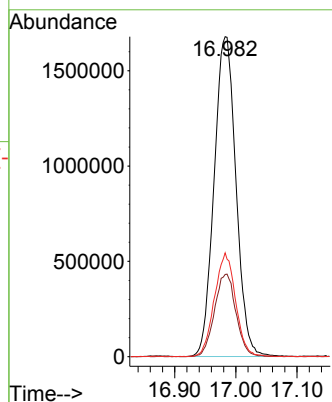
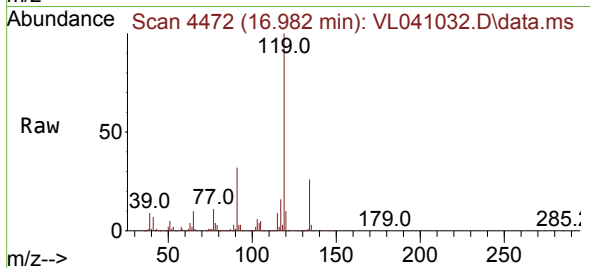
Tgt Ion:119 Resp: 4173629

Ion Ratio Lower Upper

119 100

134 25.4 20.6 30.8

91 31.3 24.5 36.7



#70

n-Butylbenzene

Concen: 9.549 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

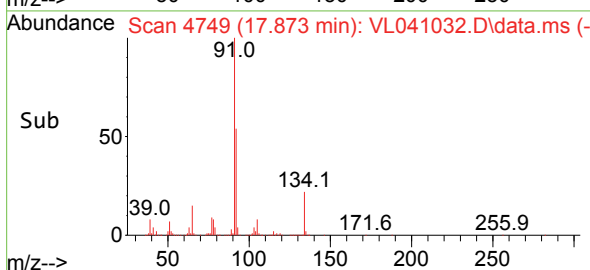
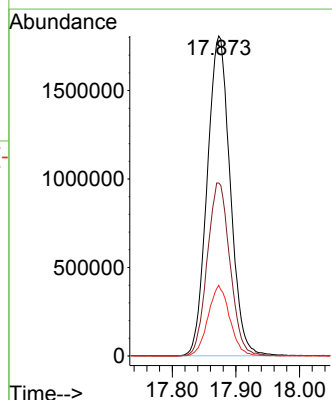
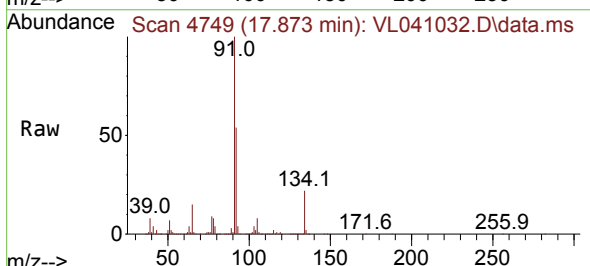
Tgt Ion: 91 Resp: 4536735

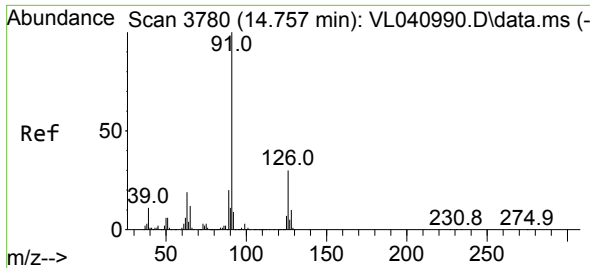
Ion Ratio Lower Upper

91 100

92 53.7 43.4 65.0

134 21.0 17.4 26.0

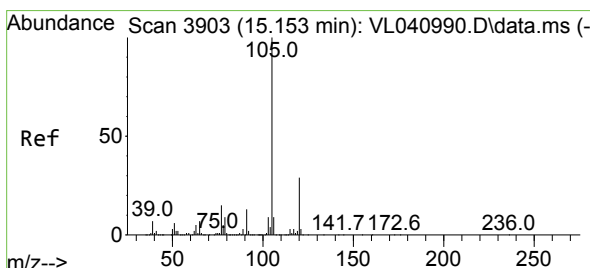
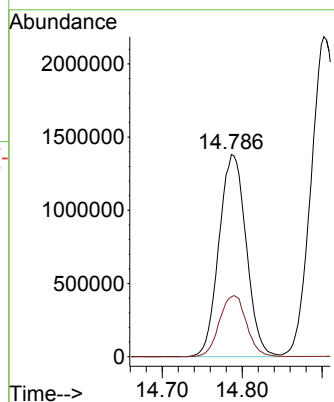
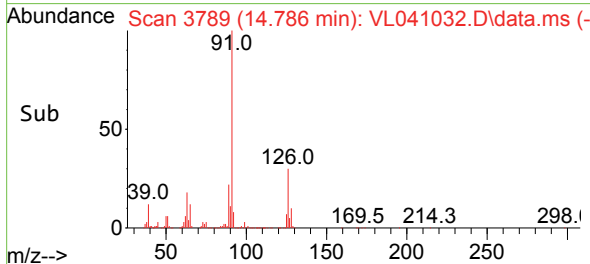
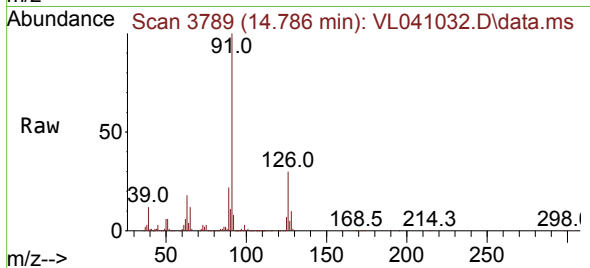




#71
2-Chlorotoluene
Concen: 9.498 ppbv
RT: 14.786 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

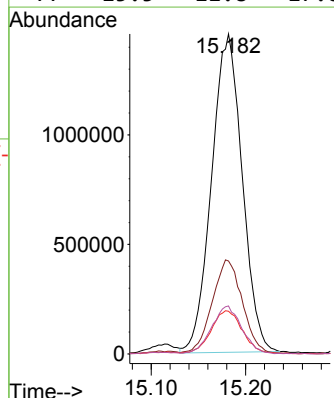
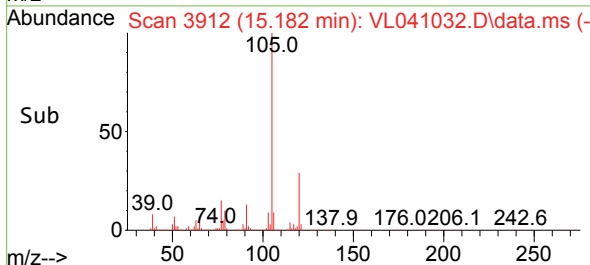
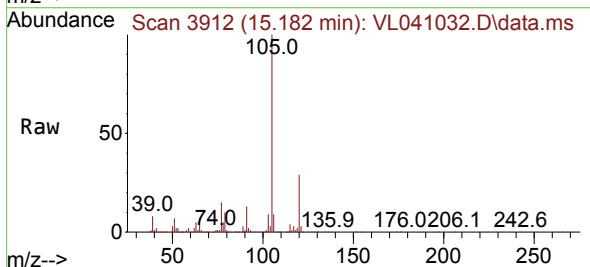
Instrument :
MSVOA_L
ClientSampleId :

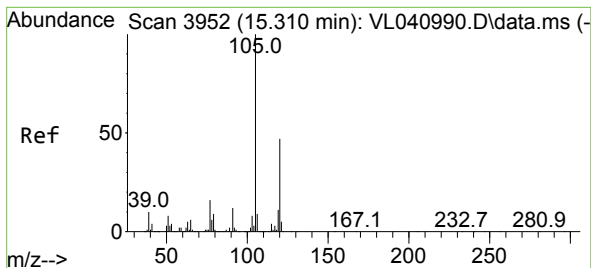
Tgt Ion: 91 Resp: 3269756
Ion Ratio Lower Upper
91 100
126 30.1 12.3 49.1



#72
4-Ethyltoluene
Concen: 9.711 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.007 min
Lab File: VL041032.D
Acq: 25 Jan 2024 16:34

Tgt Ion: 105 Resp: 3272083
Ion Ratio Lower Upper
105 100
120 29.5 24.3 36.5
91 14.4 11.0 16.4
77 15.5 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 9.546 ppbv

RT: 15.339 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

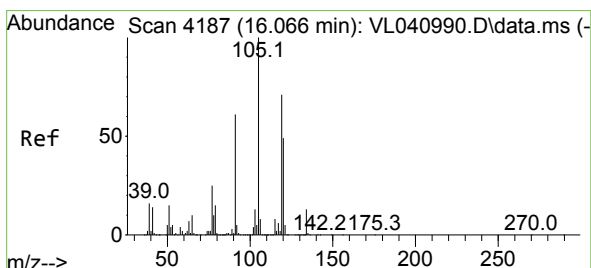
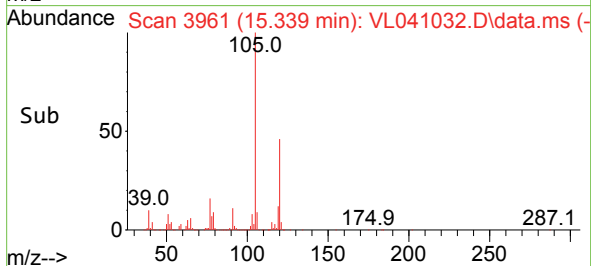
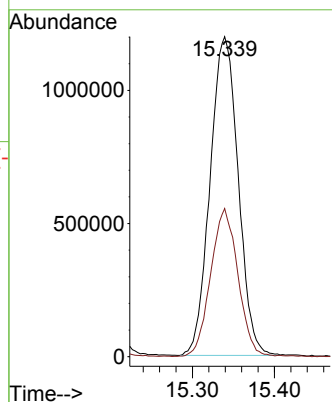
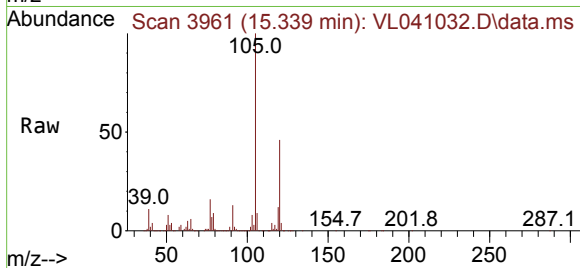
ClientSampleId :

Tgt Ion:105 Resp: 2854566

Ion Ratio Lower Upper

105 100

120 46.3 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.343 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Tgt Ion:105 Resp: 3167297

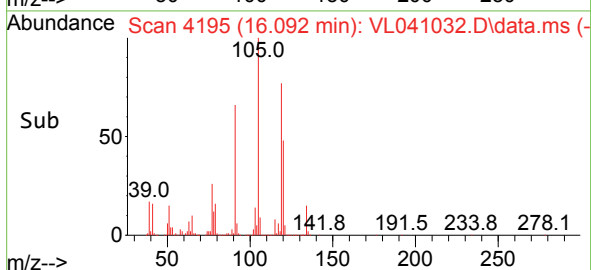
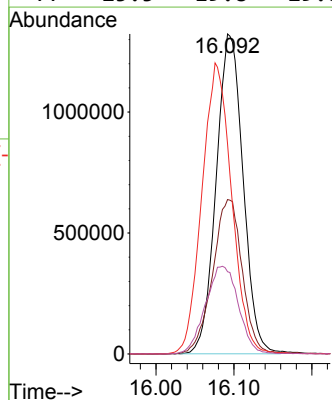
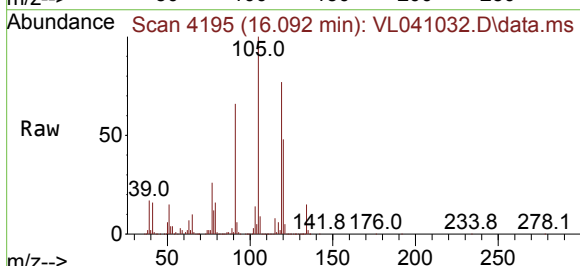
Ion Ratio Lower Upper

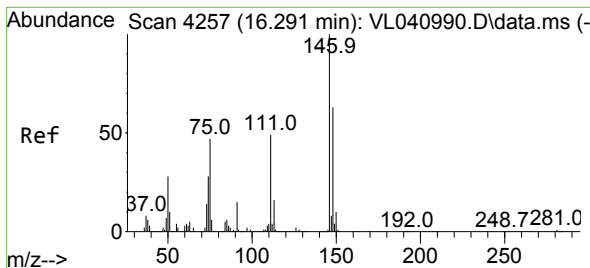
105 100

120 47.9 39.3 58.9

91 65.2 48.7 73.1

77 25.5 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 9.246 ppbv

RT: 16.320 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

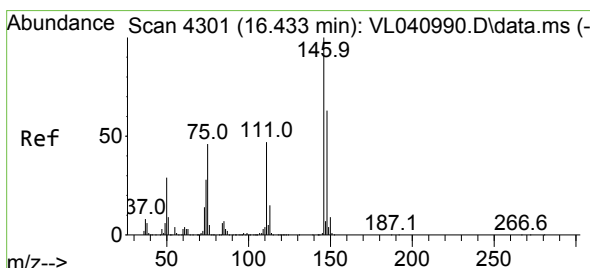
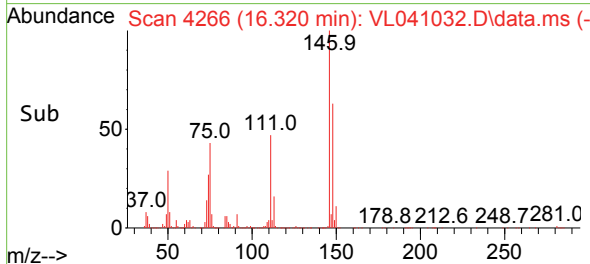
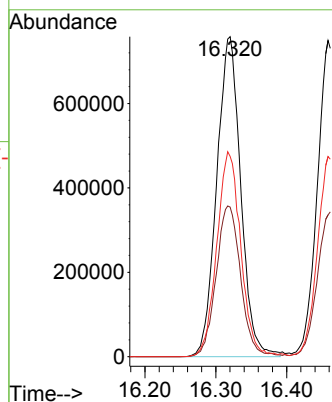
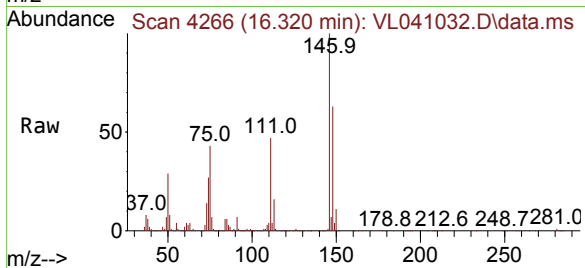
Tgt Ion:146 Resp: 1783881

Ion Ratio Lower Upper

146 100

111 48.3 24.4 73.2

148 64.1 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 8.995 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

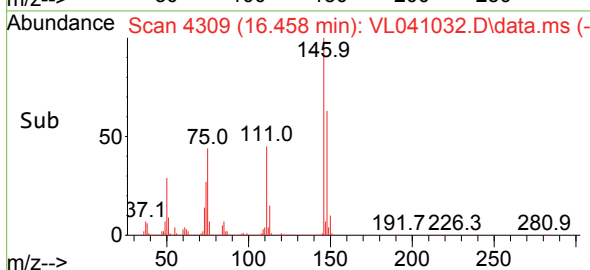
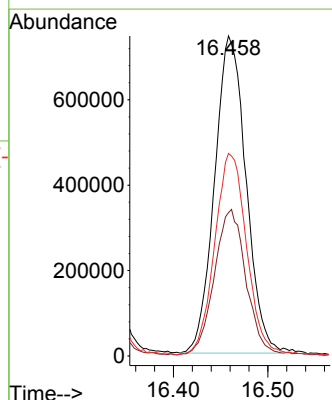
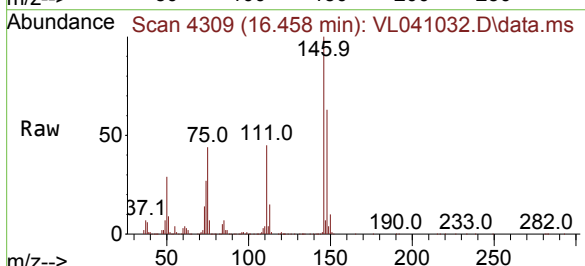
Tgt Ion:146 Resp: 1712445

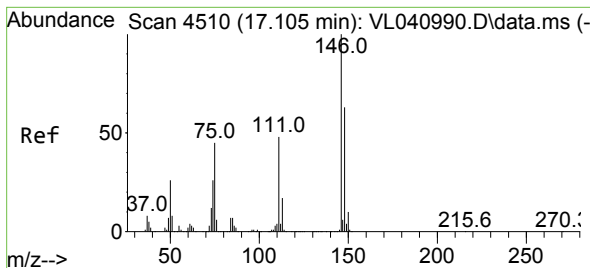
Ion Ratio Lower Upper

146 100

111 47.6 24.0 72.0

148 65.9 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.020 ppbv

RT: 17.127 min Scan# 4517

Delta R.T. 0.000 min

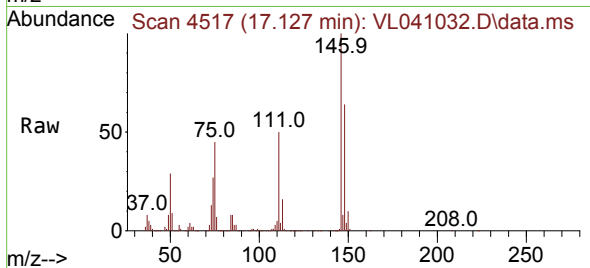
Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :



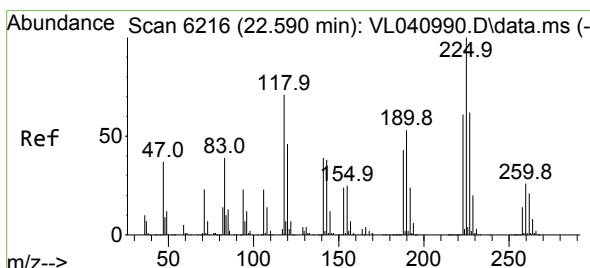
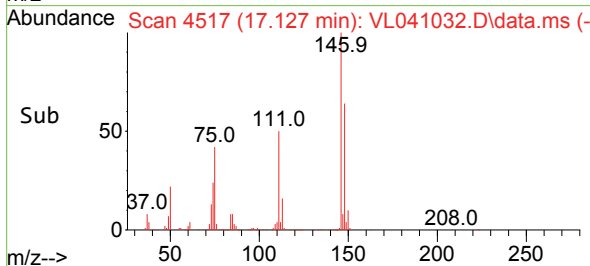
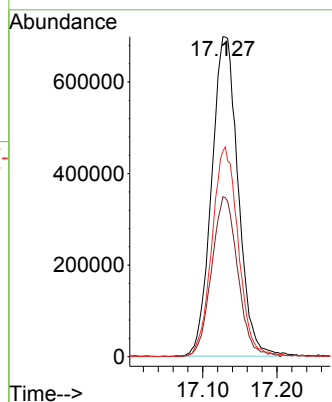
Tgt Ion:146 Resp: 1729776

Ion Ratio Lower Upper

146 100

111 49.5 24.8 74.3

148 65.7 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 7.782 ppbv

RT: 22.616 min Scan# 6224

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

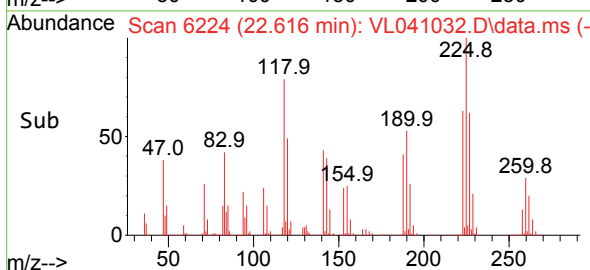
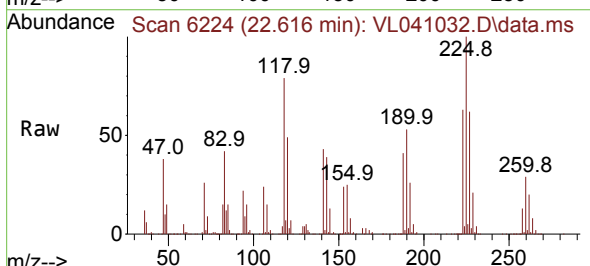
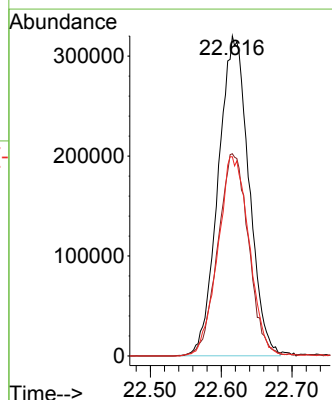
Tgt Ion:225 Resp: 962333

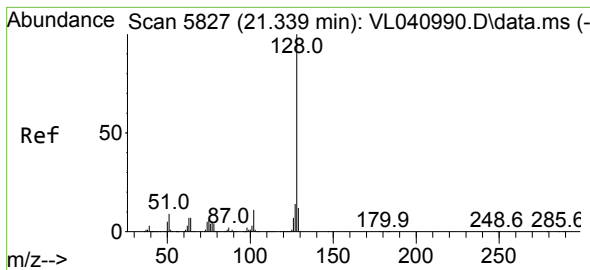
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 63.9 51.0 76.4





#79

Naphthalene

Concen: 10.904 ppbv

RT: 21.371 min Scan# 5837

Delta R.T. 0.007 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

Instrument :

MSVOA_L

ClientSampleId :

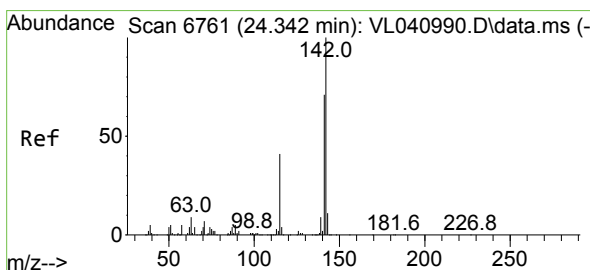
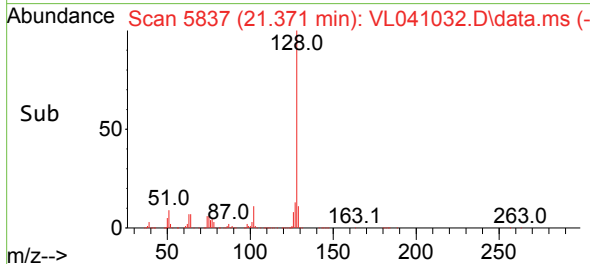
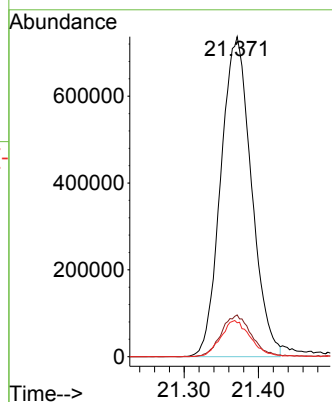
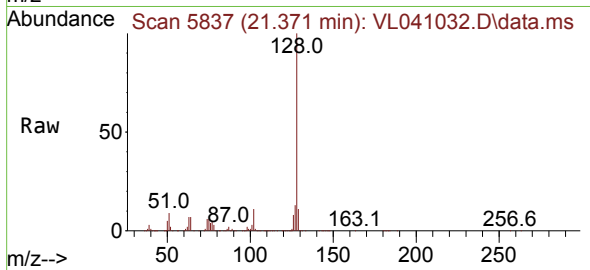
Tgt Ion:128 Resp: 2108737

Ion Ratio Lower Upper

128 100

127 13.0 10.9 16.3

129 10.6 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 10.943 ppbv

RT: 24.362 min Scan# 6767

Delta R.T. 0.000 min

Lab File: VL041032.D

Acq: 25 Jan 2024 16:34

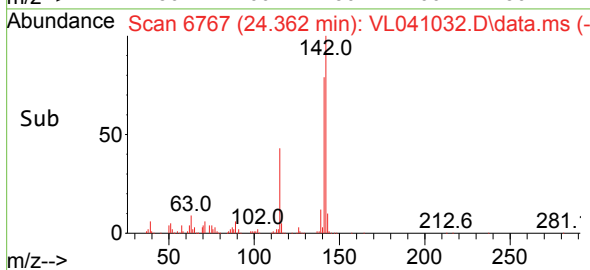
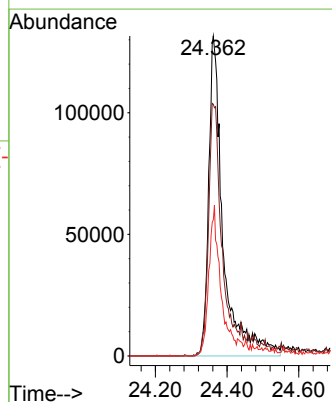
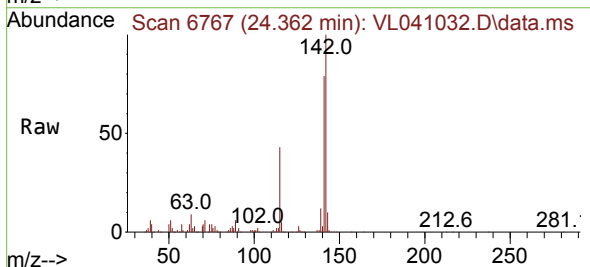
Tgt Ion:142 Resp: 371687

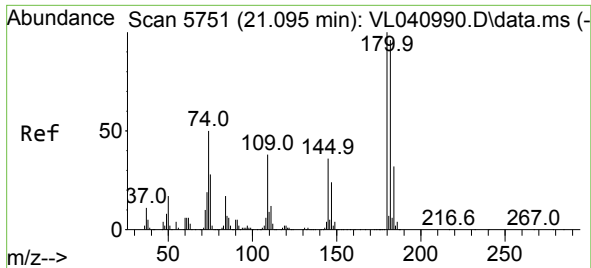
Ion Ratio Lower Upper

142 100

141 83.0 62.7 94.1

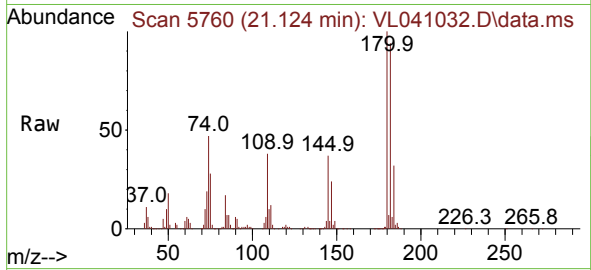
115 43.3 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.362 ppbv
 RT: 21.124 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041032.D
 Acq: 25 Jan 2024 16:34

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1056255

Ion	Ratio	Lower	Upper
180	100		
182	96.3	78.6	118.0
184	29.6	24.4	36.6

