

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041049.D
 Acq On : 9 Feb 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 12 00:42:18 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 : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1191787	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2976792	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	3608217	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.761	95	2288780	8.398	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2408886	9.151	ppbv	98
3) Chlorodifluoromethane	2.661	51	1834779	9.153	ppbv	100
4) Chloromethane	2.796	50	701034	9.331	ppbv	98
5) Vinyl Chloride	2.906	62	729294	9.900	ppbv	99
6) Bromomethane	3.105	94	306127	9.544	ppbv	94
7) Chloroethane	3.182	64	254454	9.593	ppbv	98
8) Dichlorotetrafluoroethane	2.841	85	1766726	8.984	ppbv	98
9) Propene	2.677	41	610644	9.287	ppbv	95
10) Heptane	7.568	43	1527170	9.438	ppbv	98
11) Trichlorofluoromethane	3.549	101	1902221	8.968	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1414697	9.203	ppbv	99
13) Ethanol	3.224	45	136123	8.687	ppbv	99
14) Bromoethene	3.353	108	579824	9.824	ppbv	98
15) Acetone	3.452	43	1270716	8.338	ppbv	99
16) 1,3-Butadiene	2.970	39	670527	9.197	ppbv	96
17) tert-Butyl alcohol	3.864	59	1208588	9.668	ppbv	100
18) 1,1-Dichloroethene	3.864	96	611602	9.293	ppbv	95
19) Isopropyl Alcohol	3.562	45	864799	9.803	ppbv	99
20) Methylene Chloride	3.919	84	487981	8.321	ppbv	96
21) Allyl Chloride	3.980	41	847847	9.156	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	640018	9.444	ppbv	97
23) Vinyl Acetate	4.613	43	1448888	9.223	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1260357	9.044	ppbv	98
25) Ethyl Acetate	5.192	43	2577827	9.328	ppbv	99
26) Hexane	5.198	57	1099375	9.333	ppbv	99
27) Carbon Disulfide	4.111	76	1465568	9.561	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	855658	8.752	ppbv	97
29) Chloroform	5.259	83	1926708	9.222	ppbv	100
30) Cyclohexane	6.587	84	947428	9.600	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	1134230	10.259	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1906761	9.549	ppbv	100
34) 2-Butanone	4.771	43	1385589	9.770	ppbv	100
35) Carbon Tetrachloride	6.481	117	2038665	10.270	ppbv	99
36) Benzene	6.359	78	2383305	9.694	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1472491	9.815	ppbv	99
38) Trichloroethene	7.275	130	956333	9.703	ppbv	99
39) 1,2-Dichloropropane	7.057	63	941975	9.726	ppbv	97
40) 1,4-Dioxane	7.272	88	398911	9.917	ppbv #	1
41) Tetrahydrofuran	5.539	42	963446	10.005	ppbv	100
42) Bromodichloromethane	7.237	83	2133700	9.940	ppbv	99
43) Methyl Methacrylate	7.462	69	992791	10.465	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	3984023	9.631	ppbv	99
45) t-1,3-Dichloropropene	8.697	75	766137	11.819	ppbv	100

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

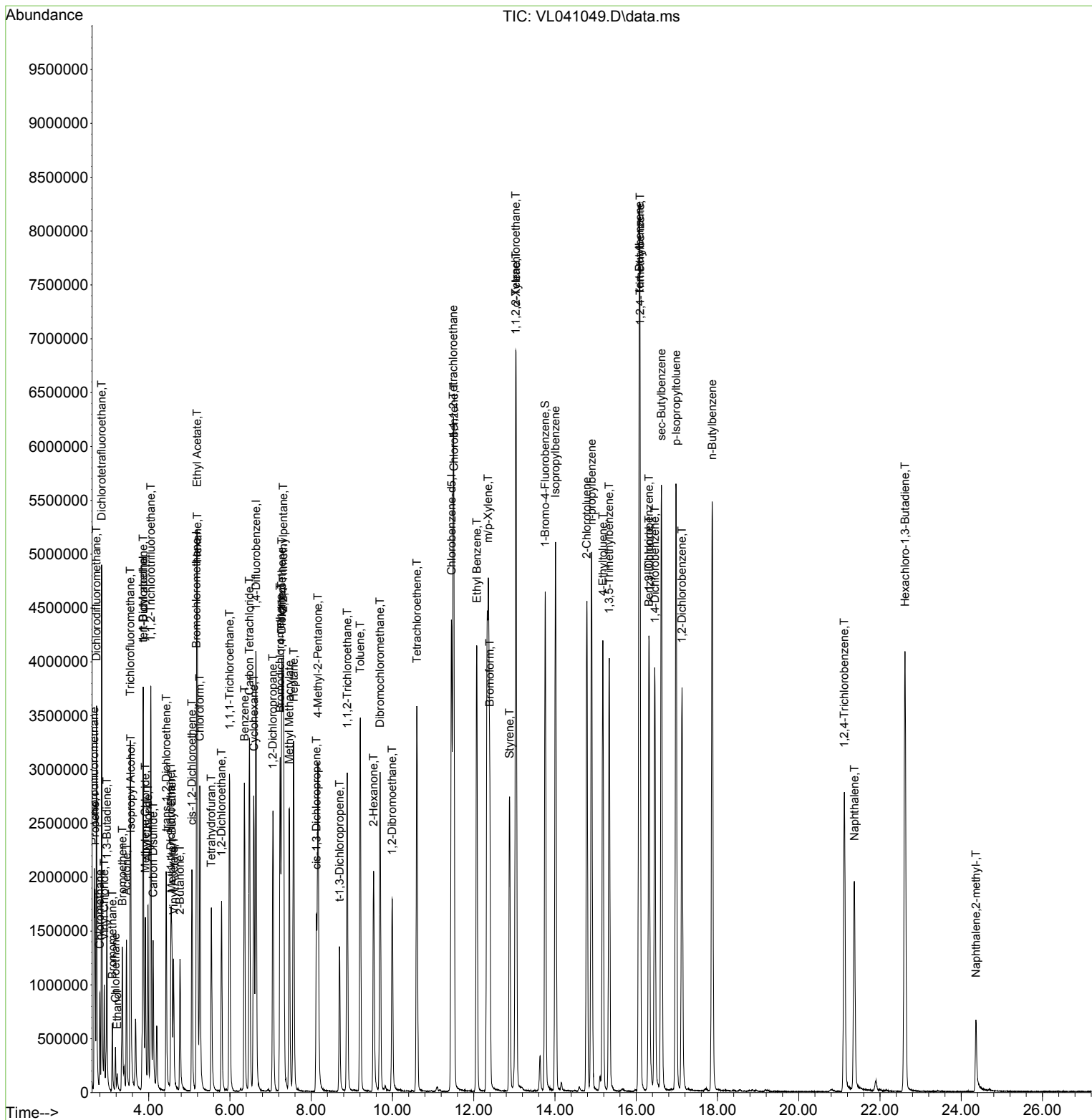
Instrument :
 MSVOA_L
 ClientSampleId :

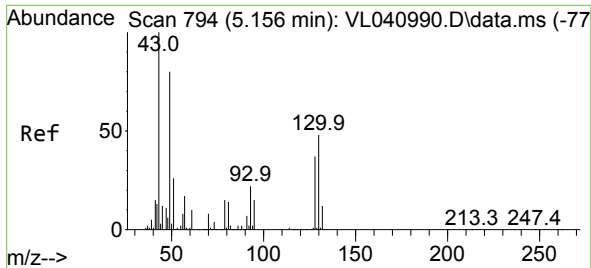
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Feb 12 00:40:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	908866	11.243	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	1029692	9.864	ppbv	97
48) Dibromochloromethane	9.696	129	1820320	10.314	ppbv	99
49) Bromoform	12.394	173	1524833	11.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2564230	10.267	ppbv	100
51) 2-Hexanone	9.536	43	1893815	10.520	ppbv #	99
52) Tetrachloroethene	10.603	164	841403	10.306	ppbv	99
53) Toluene	9.208	91	2743634	10.187	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1479210	10.463	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1358556	7.848	ppbv	100
57) Chlorobenzene	11.513	112	2166604	7.465	ppbv	100
58) Ethyl Benzene	12.076	91	3813599	7.871	ppbv	99
59) m/p-Xylene	12.356	91	3640885	8.618	ppbv #	44
60) o-Xylene	13.040	91	3168162	7.816	ppbv	100
61) Styrene	12.886	104	1610329	8.652	ppbv	100
62) Isopropylbenzene	14.015	105	4573342	7.630	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2401255	7.623	ppbv	99
64) n-propylbenzene	14.905	120	1202131	7.938	ppbv	97
65) tert-Butylbenzene	16.079	119	4058718	7.750	ppbv	99
66) Benzyl Chloride	16.310	91	305709	8.908	ppbv	100
67) sec-Butylbenzene	16.619	105	5758976	7.552	ppbv	100
69) p-Isopropyltoluene	16.982	119	4600720	7.789	ppbv	100
70) n-Butylbenzene	17.873	91	4953080	7.760	ppbv	100
71) 2-Chlorotoluene	14.783	91	3611196	7.808	ppbv	99
72) 4-Ethyltoluene	15.179	105	3638489	8.038	ppbv	100
73) 1,3,5-Trimethylbenzene	15.336	105	3147822	7.835	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	3479999	7.641	ppbv	92
75) 1,3-Dichlorobenzene	16.314	146	2009040	7.751	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1987050	7.769	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	1962631	7.618	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1116445	6.720	ppbv	100
79) Naphthalene	21.371	128	2482313	9.555	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	523713	11.477	ppbv	97
81) 1,2,4-Trichlorobenzene	21.124	180	1234676	8.145	ppbv	99

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

Quant Time: Feb 12 00:42:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
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QLast Update : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration

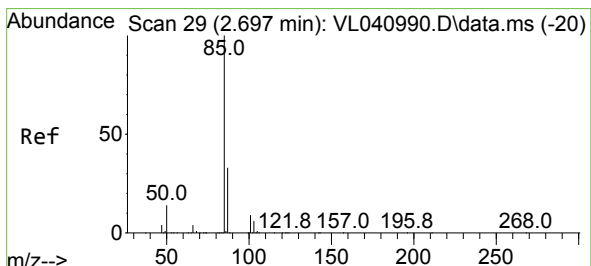
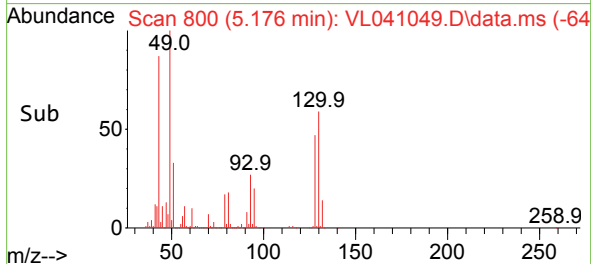
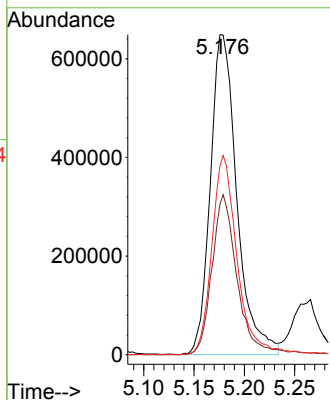
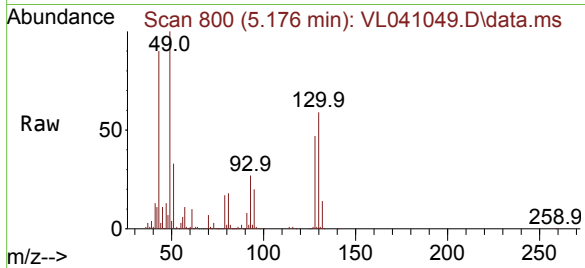




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

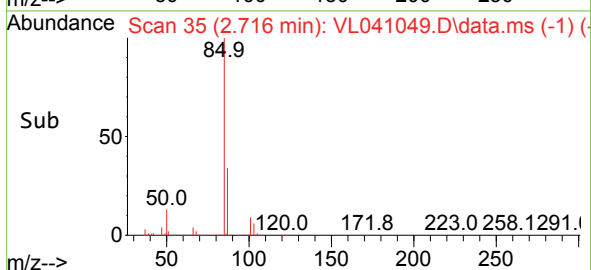
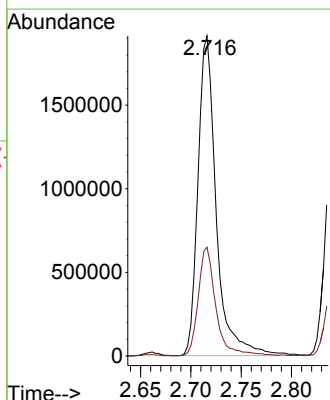
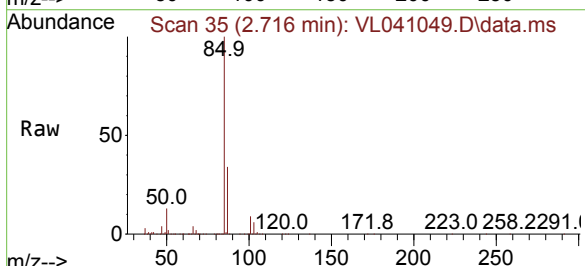
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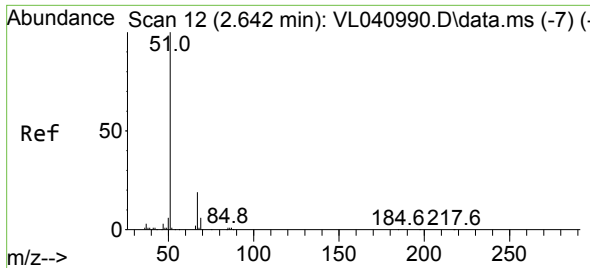
Tgt Ion: 49 Resp: 1191787
 Ion Ratio Lower Upper
 49 100
 128 48.1 23.9 71.7
 130 60.3 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 9.151 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 85 Resp: 2408886
 Ion Ratio Lower Upper
 85 100
 87 34.0 26.3 39.5

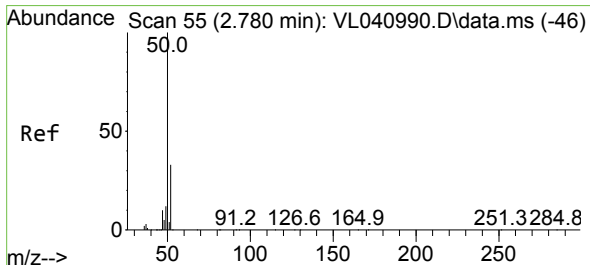
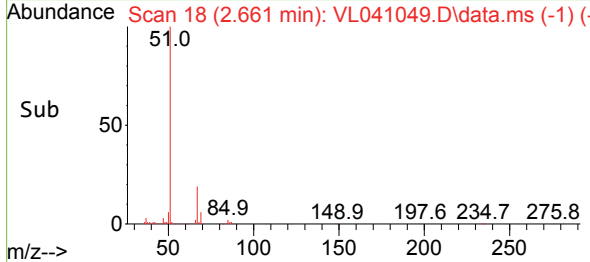
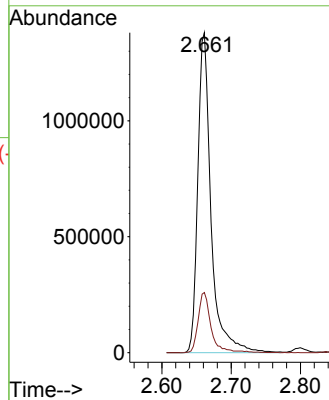
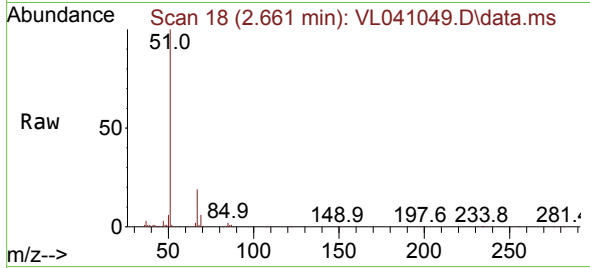




#3
Chlorodifluoromethane
Concen: 9.153 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

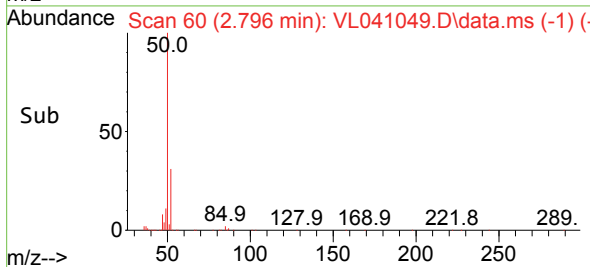
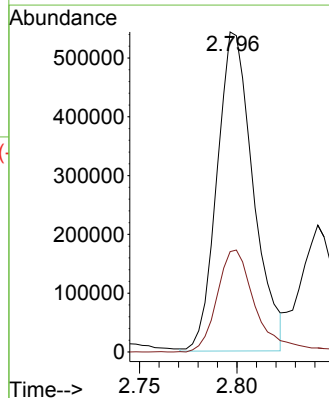
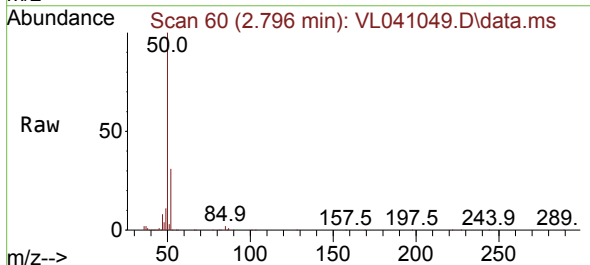
Instrument :
MSVOA_L
ClientSampleId :

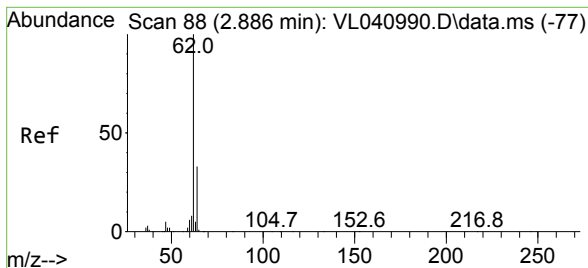
Tgt Ion: 51 Resp: 1834779
Ion Ratio Lower Upper
51 100
67 18.5 14.8 22.2



#4
Chloromethane
Concen: 9.331 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 50 Resp: 701034
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.4

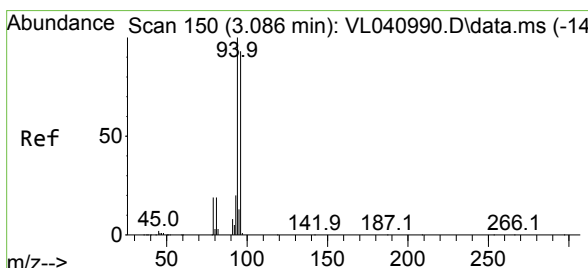
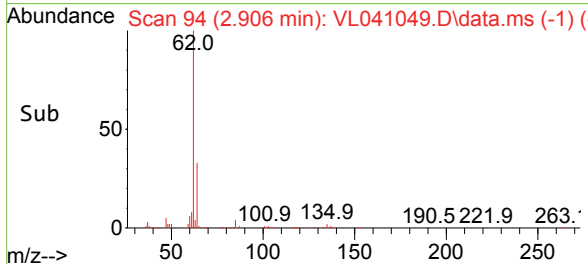
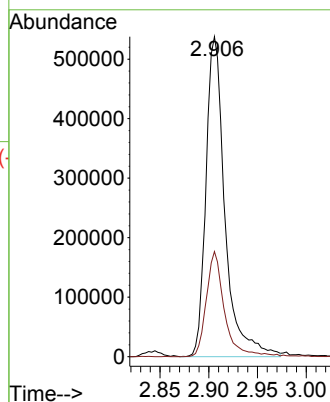
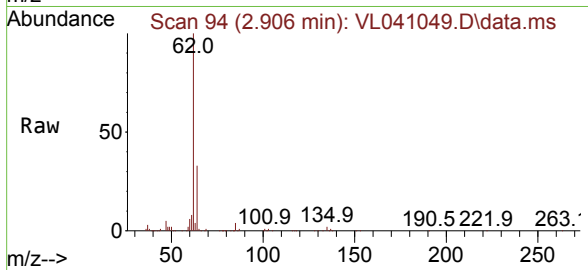




#5
 Vinyl Chloride
 Concen: 9.900 ppbv
 RT: 2.906 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

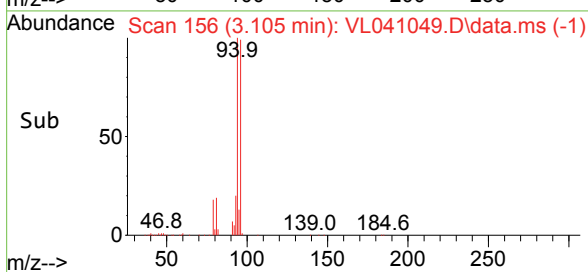
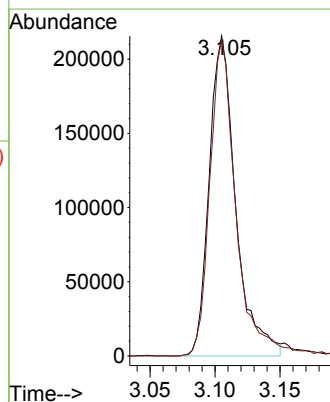
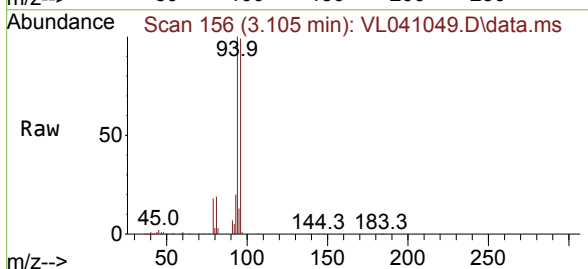
Instrument :
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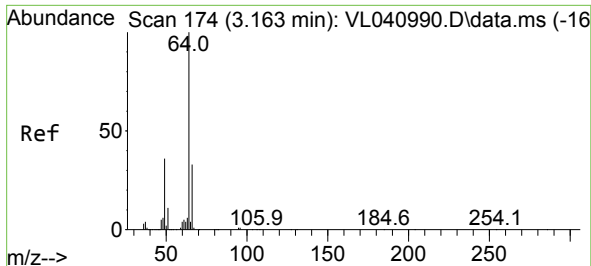
Tgt Ion: 62 Resp: 729294
 Ion Ratio Lower Upper
 62 100
 64 32.9 26.6 40.0



#6
 Bromomethane
 Concen: 9.544 ppbv
 RT: 3.105 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

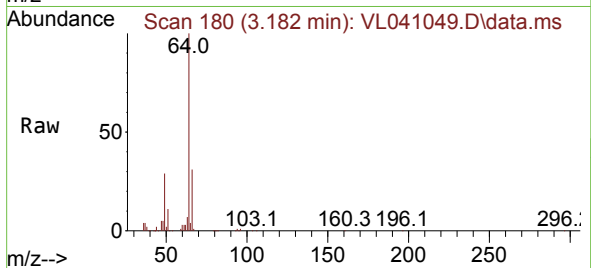
Tgt Ion: 94 Resp: 306127
 Ion Ratio Lower Upper
 94 100
 96 98.7 74.2 111.4



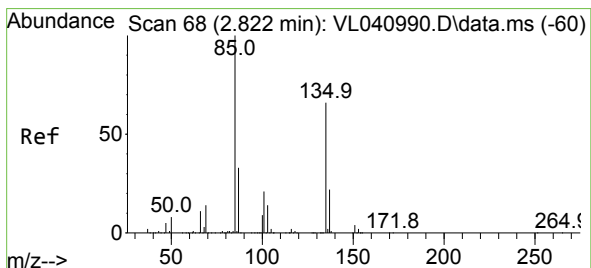
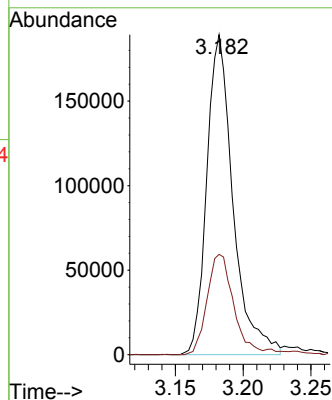
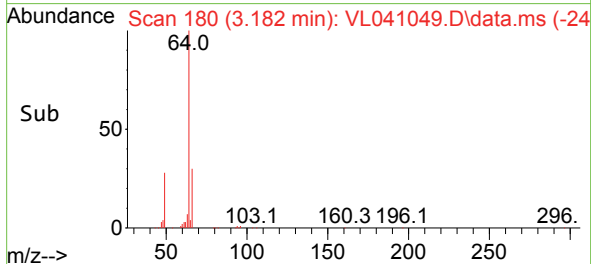


#7
Chloroethane
Concen: 9.593 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

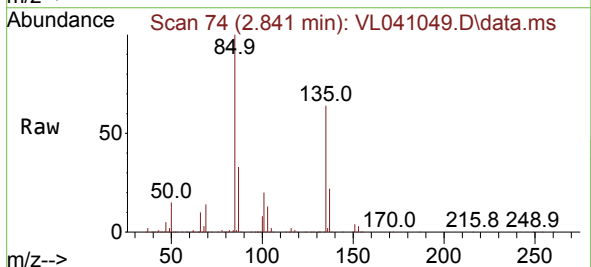
Instrument :
MSVOA_L
ClientSampleId :



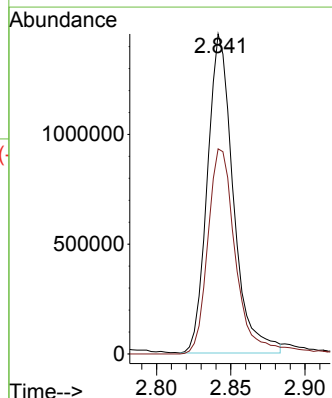
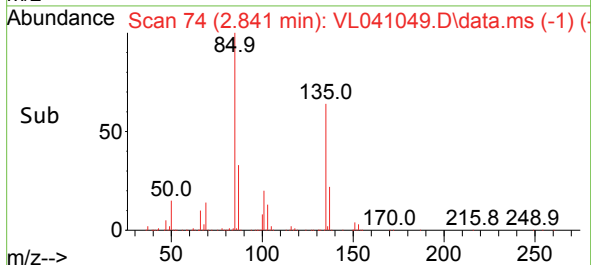
Tgt Ion: 64 Resp: 254454
Ion Ratio Lower Upper
64 100
66 31.3 26.0 39.0

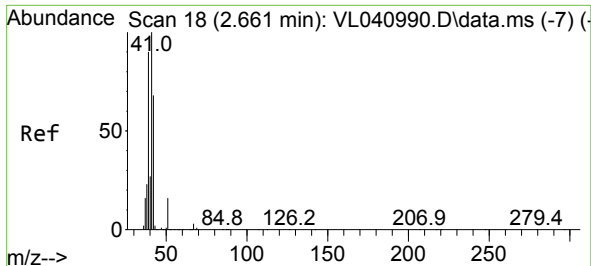


#8
Dichlorotetrafluoroethane
Concen: 8.984 ppbv
RT: 2.841 min Scan# 74
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59



Tgt Ion: 85 Resp: 1766726
Ion Ratio Lower Upper
85 100
135 70.7 55.0 82.6

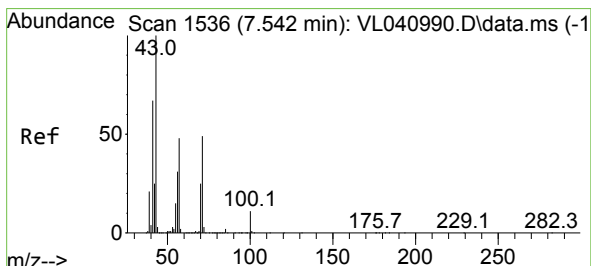
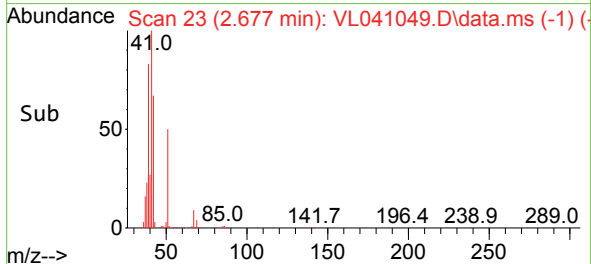
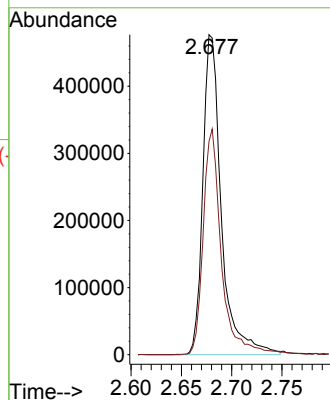
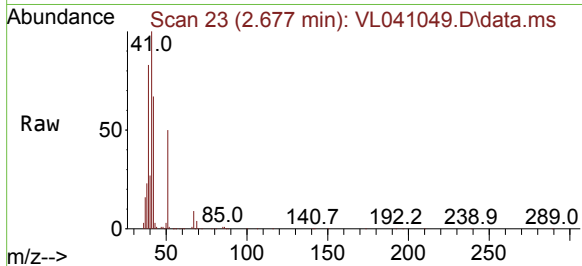




#9
Propene
Concen: 9.287 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

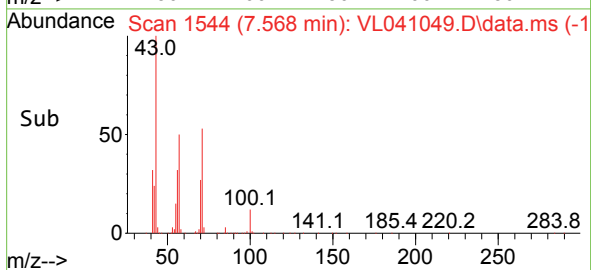
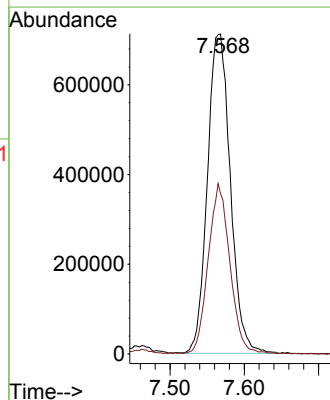
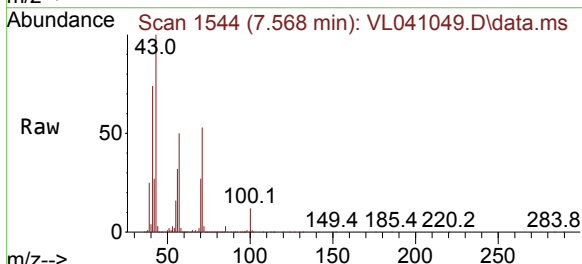
Instrument :
MSVOA_L
ClientSampleId :

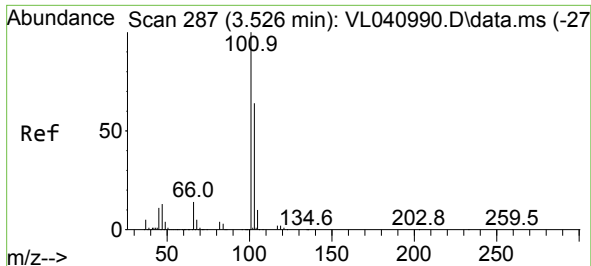
Tgt Ion: 41 Resp: 610644
Ion Ratio Lower Upper
41 100
42 69.8 59.0 88.4



#10
Heptane
Concen: 9.438 ppbv
RT: 7.568 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 43 Resp: 1527170
Ion Ratio Lower Upper
43 100
57 50.5 39.4 59.2

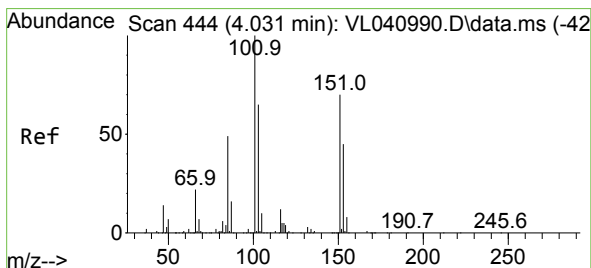
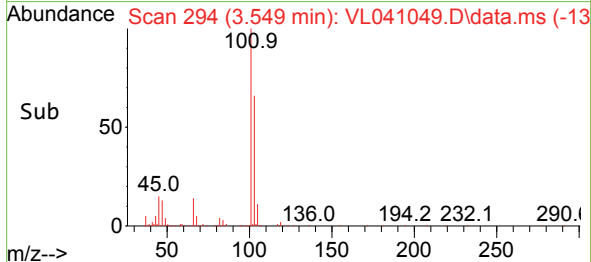
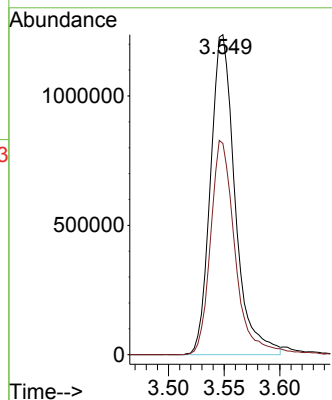
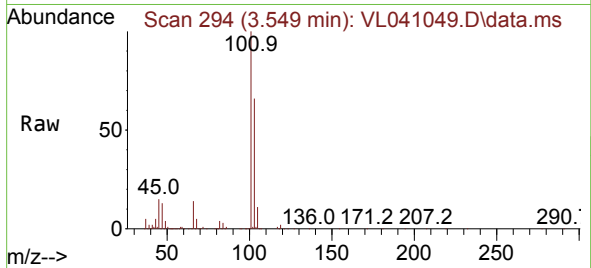




#11
 Trichlorofluoromethane
 Concen: 8.968 ppbv
 RT: 3.549 min Scan# 294
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

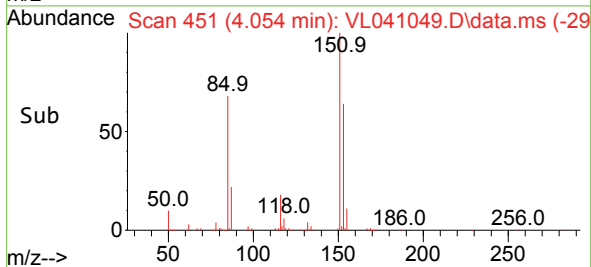
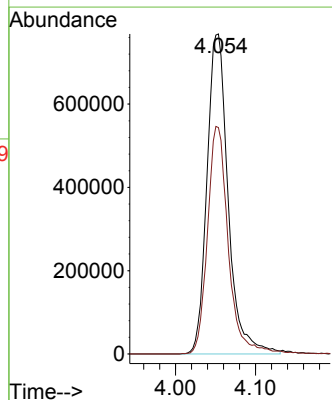
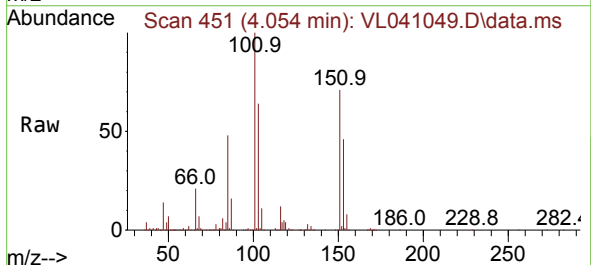
Instrument :
 MSVOA_L
 ClientSampleId :

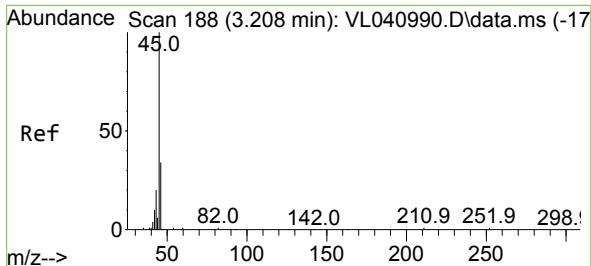
Tgt Ion:101 Resp: 1902221
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.203 ppbv
 RT: 4.054 min Scan# 451
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion:101 Resp: 1414697
 Ion Ratio Lower Upper
 101 100
 151 70.3 56.6 85.0

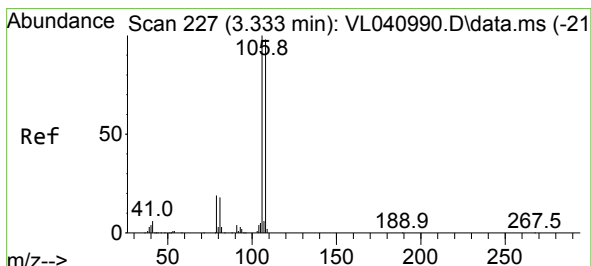
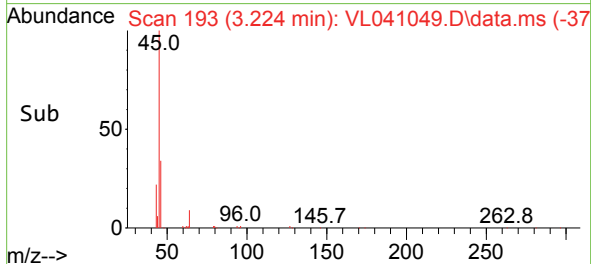
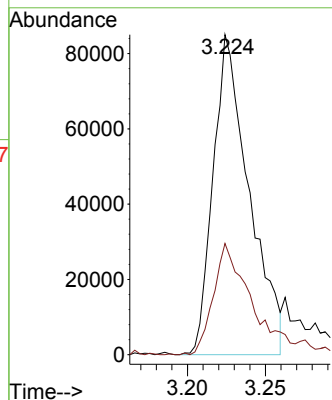
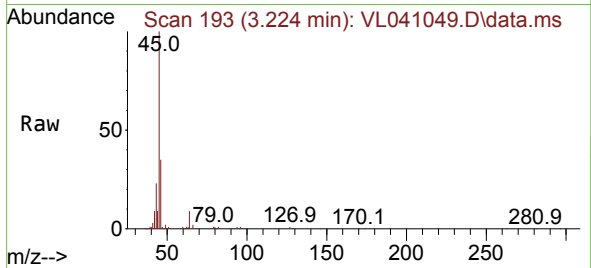




#13
Ethanol
Concen: 8.687 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

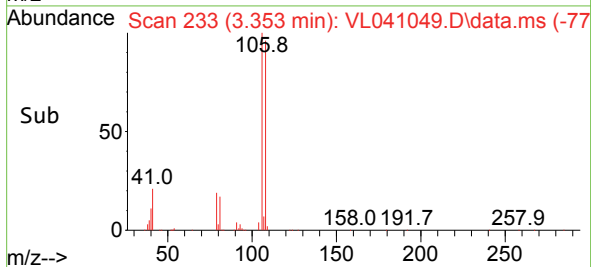
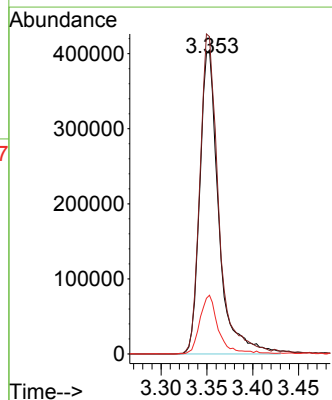
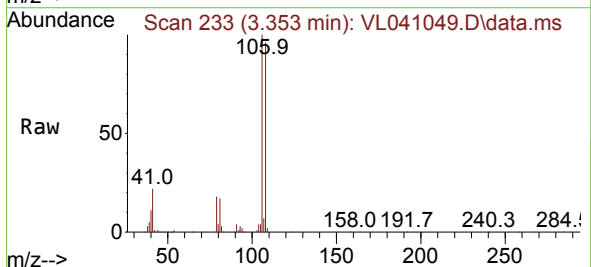
Instrument :
MSVOA_L
ClientSampleId :

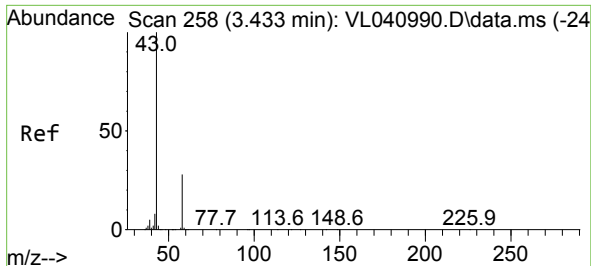
Tgt Ion: 45 Resp: 136123
Ion Ratio Lower Upper
45 100
46 40.1 16.2 64.8



#14
Bromoethene
Concen: 9.824 ppbv
RT: 3.353 min Scan# 233
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 108 Resp: 579824
Ion Ratio Lower Upper
108 100
106 105.8 86.4 129.6
79 19.6 16.2 24.4





#15

Acetone

Concen: 8.338 ppbv

RT: 3.452 min Scan# 2

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

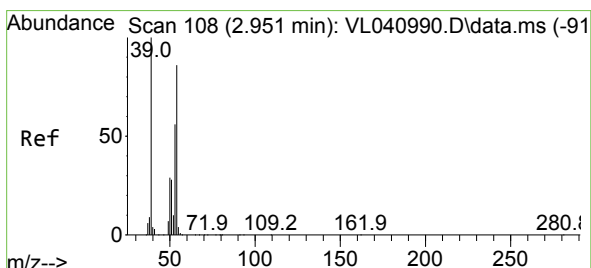
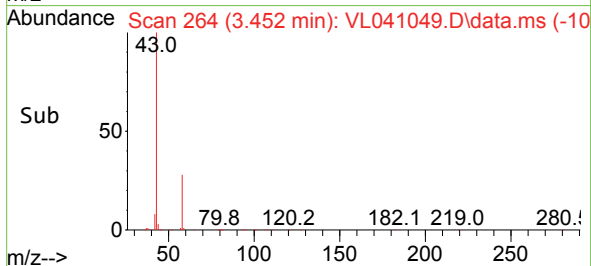
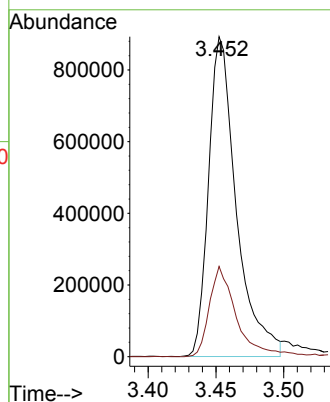
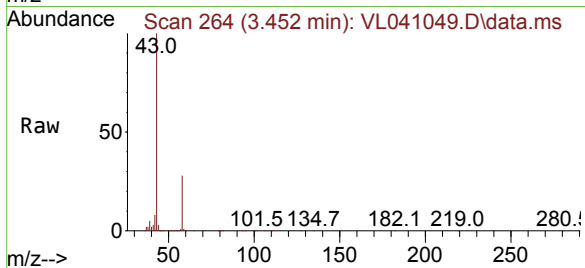
ClientSampleId :

Tgt Ion: 43 Resp: 1270716

Ion Ratio Lower Upper

43 100

58 28.1 22.2 33.2



#16

1,3-Butadiene

Concen: 9.197 ppbv

RT: 2.970 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041049.D

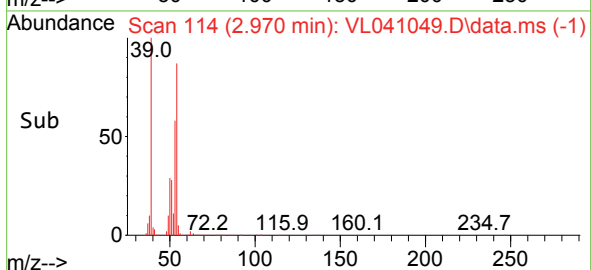
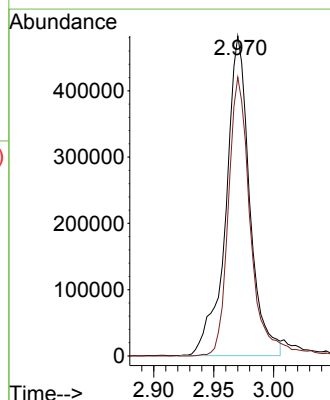
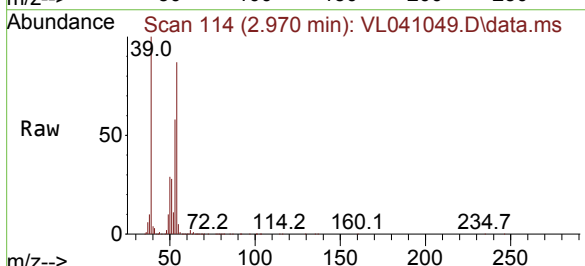
Acq: 9 Feb 2024 8:59

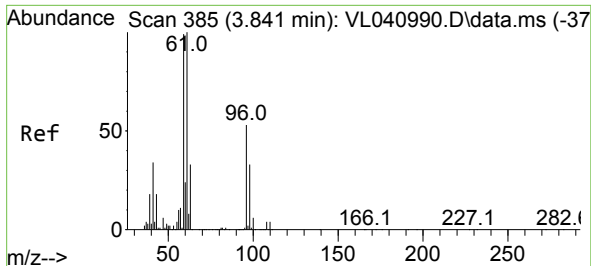
Tgt Ion: 39 Resp: 670527

Ion Ratio Lower Upper

39 100

54 81.8 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.668 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

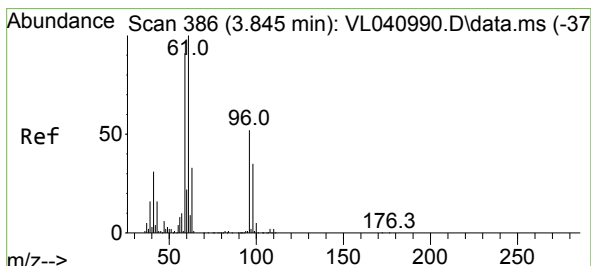
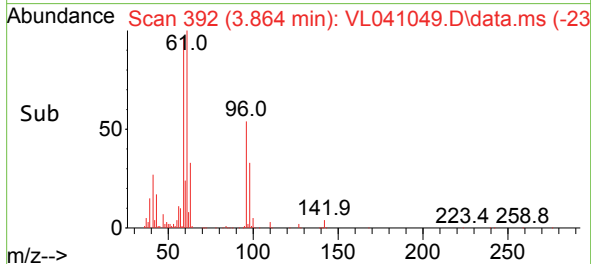
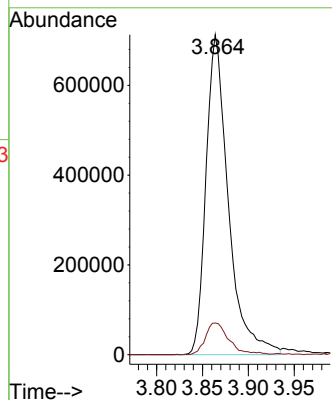
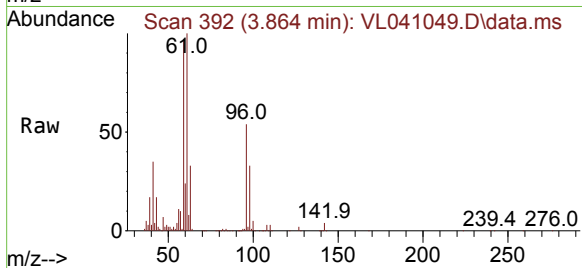
ClientSampleId :

Tgt Ion: 59 Resp: 1208588

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.293 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

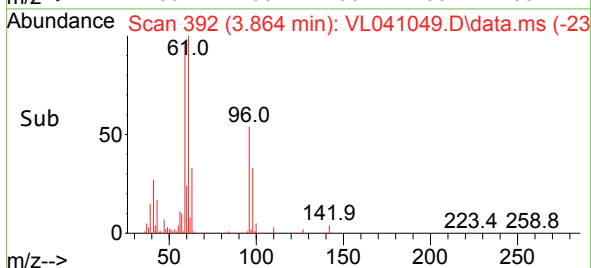
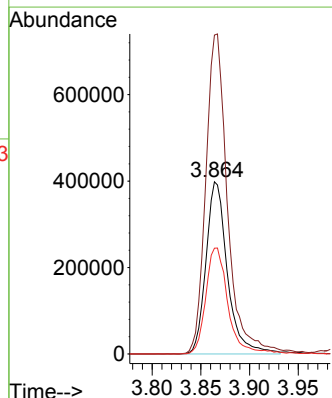
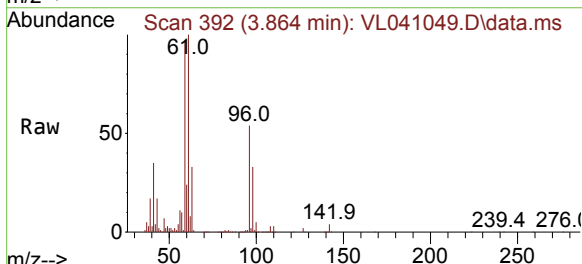
Tgt Ion: 96 Resp: 611602

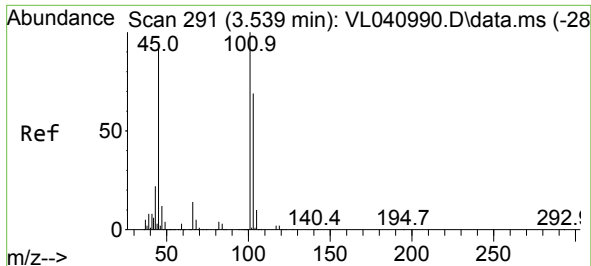
Ion Ratio Lower Upper

96 100

61 185.2 153.8 230.8

98 61.4 53.7 80.5

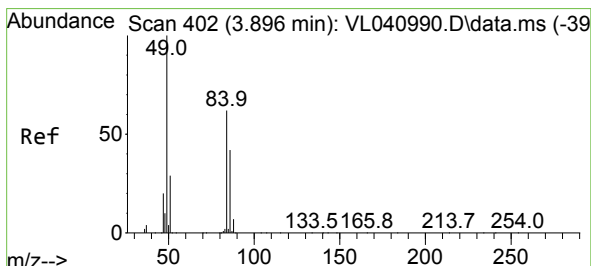
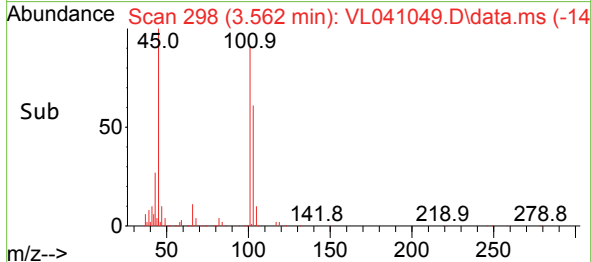
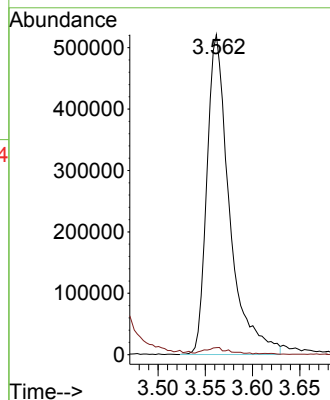
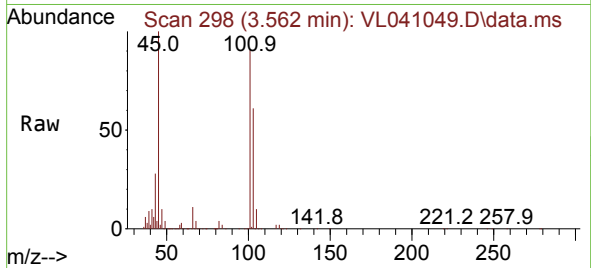




#19
Isopropyl Alcohol
Concen: 9.803 ppbv
RT: 3.562 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

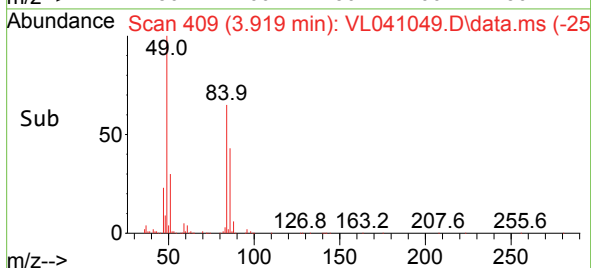
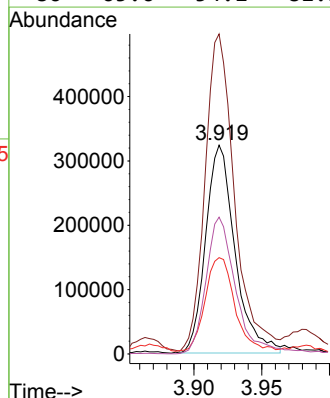
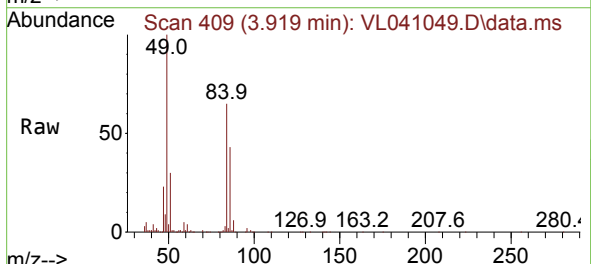
Instrument :
MSVOA_L
ClientSampleId :

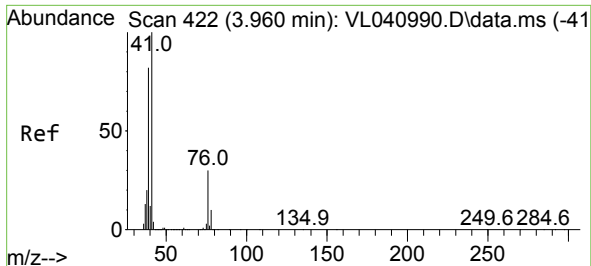
Tgt Ion: 45 Resp: 864799
Ion Ratio Lower Upper
45 100
58 2.5 2.2 3.4



#20
Methylene Chloride
Concen: 8.321 ppbv
RT: 3.919 min Scan# 409
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 84 Resp: 487981
Ion Ratio Lower Upper
84 100
49 152.7 128.1 192.1
51 44.7 36.5 54.7
86 65.6 54.1 81.1

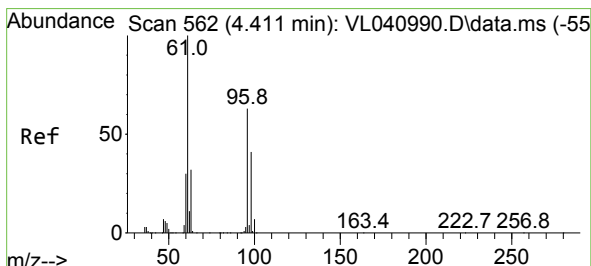
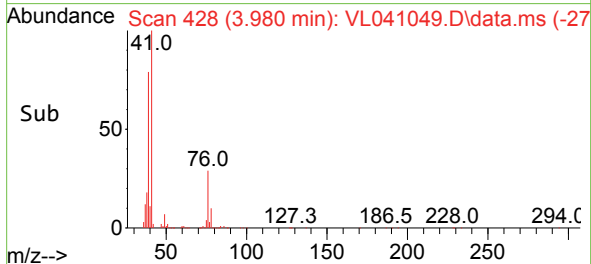
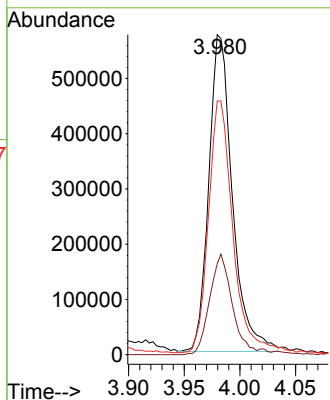
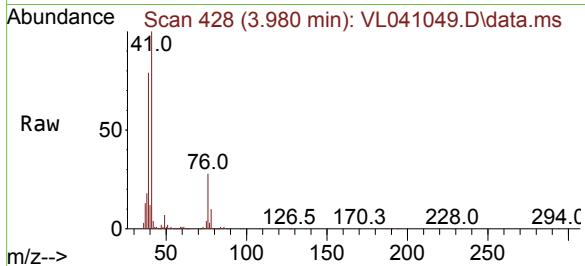




#21
 Allyl Chloride
 Concen: 9.156 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

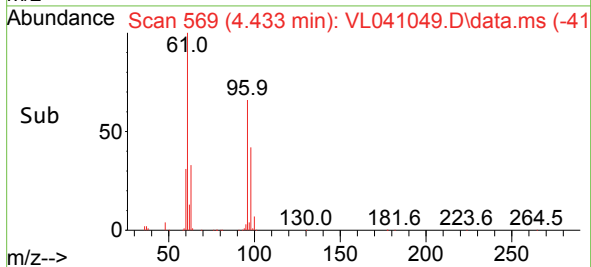
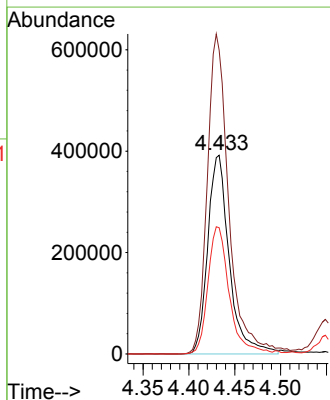
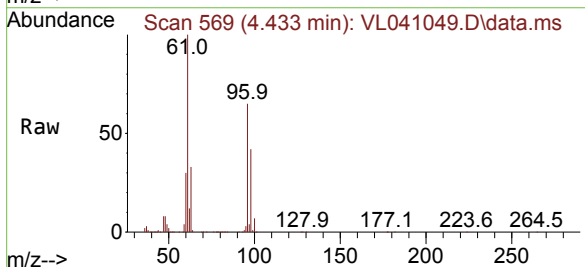
Instrument :
 MSVOA_L
 ClientSampleId :

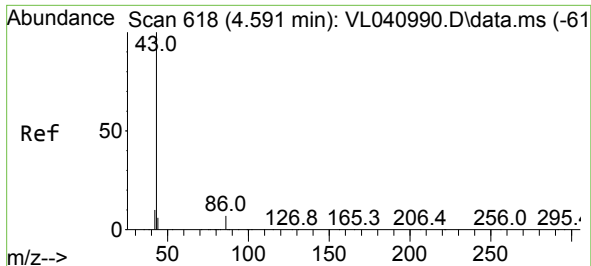
Tgt Ion: 41 Resp: 847847
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.0 37.4
 39 83.5 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.444 ppbv
 RT: 4.433 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 96 Resp: 640018
 Ion Ratio Lower Upper
 96 100
 61 152.8 126.0 189.0
 98 63.6 51.2 76.8



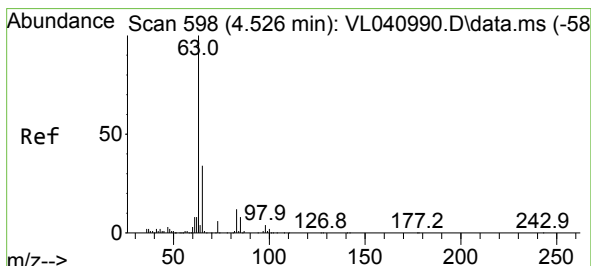
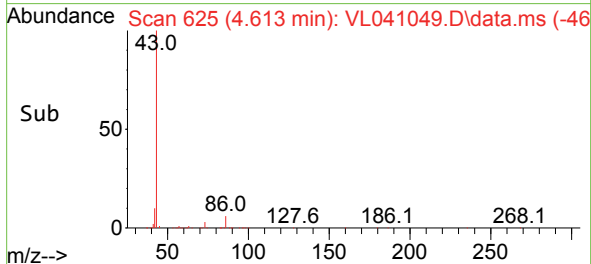
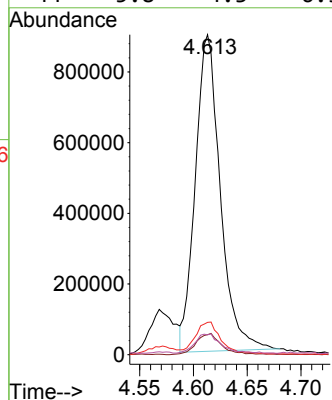
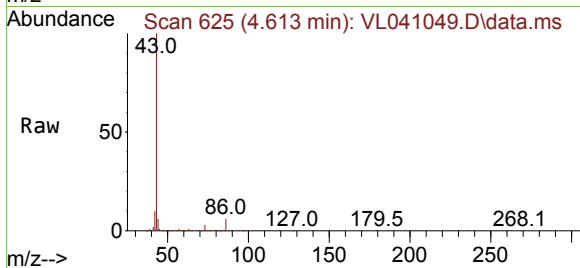


#23
 Vinyl Acetate
 Concen: 9.223 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1448888

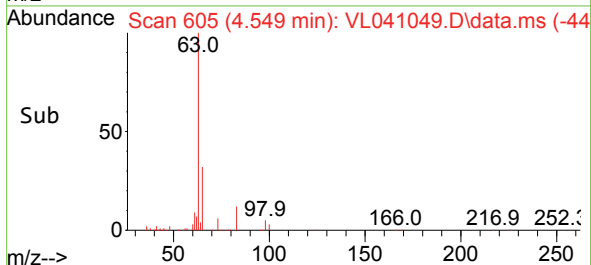
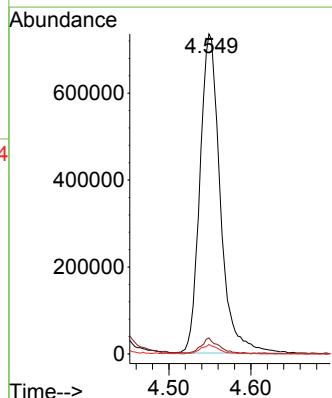
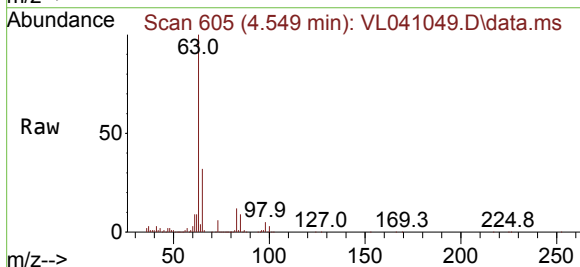
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.4	8.0
42	10.1	8.6	13.0
44	5.8	4.3	6.5

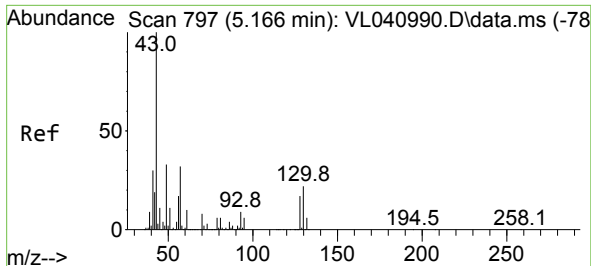


#24
 1,1-Dichloroethane
 Concen: 9.044 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 63 Resp: 1260357

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.1	6.3
100	2.9	1.3	3.9



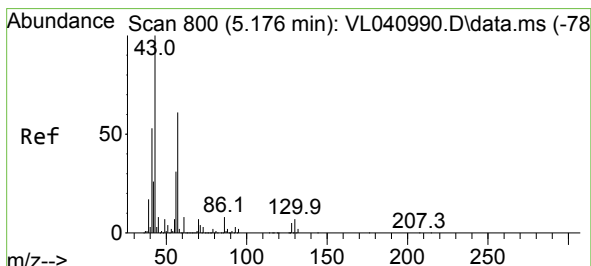
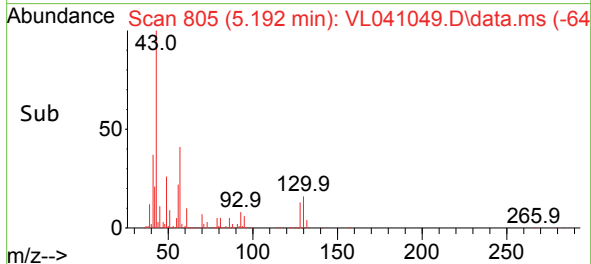
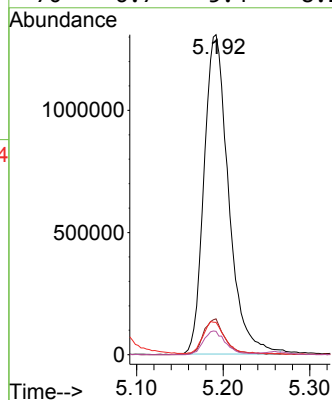
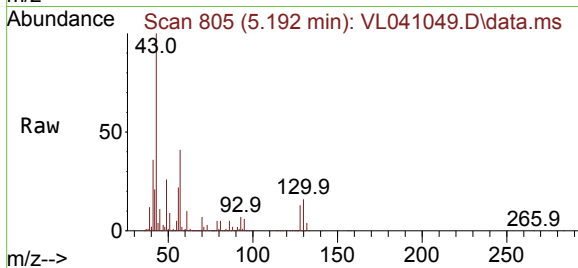


#25
Ethyl Acetate
Concen: 9.328 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2577827

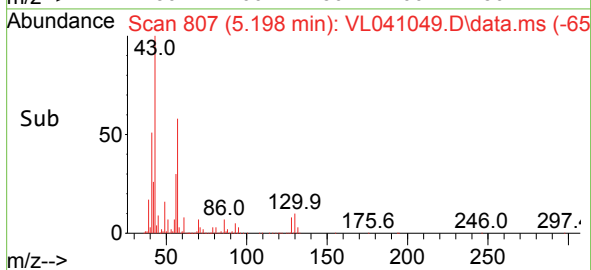
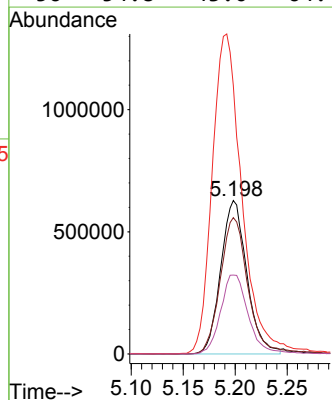
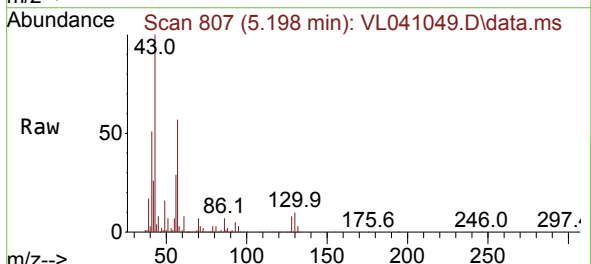
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	9.7	7.9	11.9
70	6.7	5.4	8.2

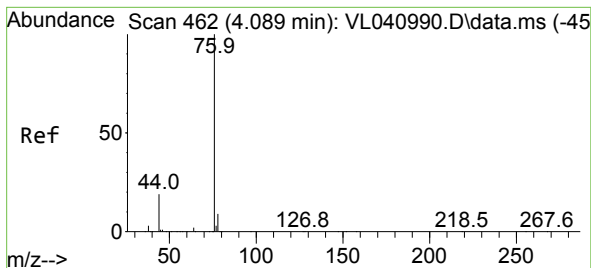


#26
Hexane
Concen: 9.333 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 57 Resp: 1099375

Ion	Ratio	Lower	Upper
57	100		
41	94.6	74.4	111.6
43	238.4	190.6	285.8
56	54.8	43.0	64.4





#27

Carbon Disulfide

Concen: 9.561 ppbv

RT: 4.111 min Scan# 4

Delta R.T. 0.000 min

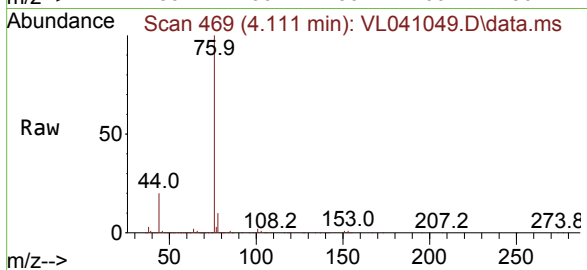
Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :



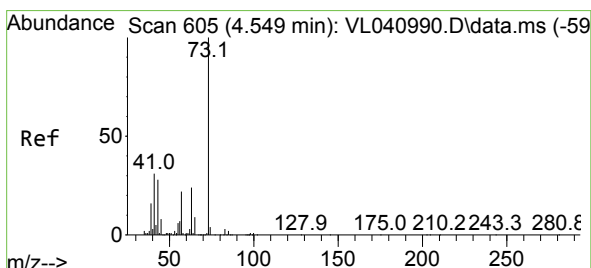
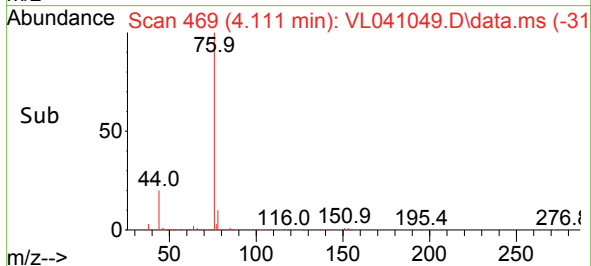
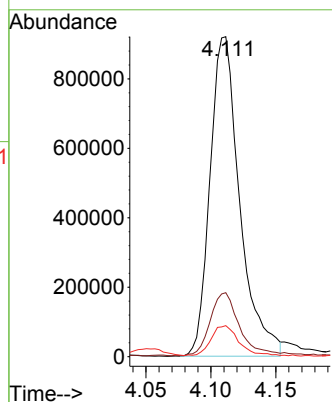
Tgt Ion: 76 Resp: 1465568

Ion	Ratio	Lower	Upper
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76	100		
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44	20.5	16.0	24.0
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78	9.7	7.8	11.8
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#28

Methyl tert-Butyl Ether

Concen: 8.752 ppbv

RT: 4.571 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL041049.D

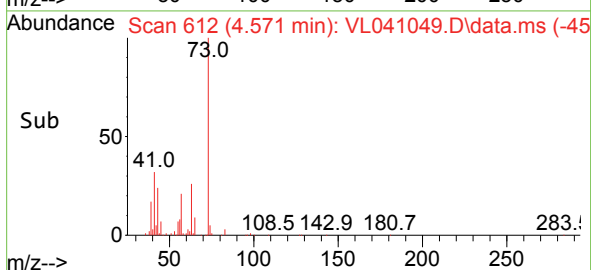
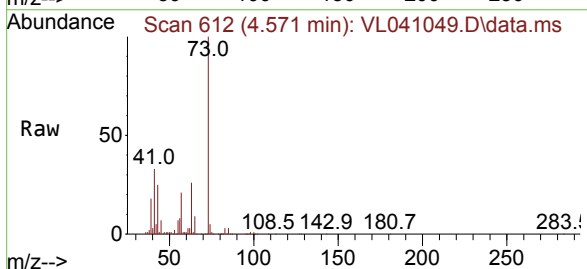
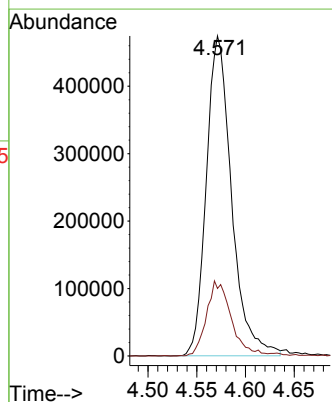
Acq: 9 Feb 2024 8:59

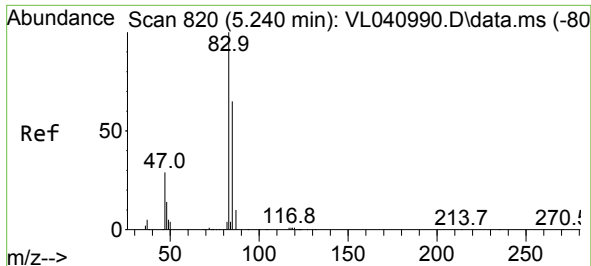
Tgt Ion: 73 Resp: 855658

Ion	Ratio	Lower	Upper
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73	100		
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57	23.7	18.0	27.0
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#29

Chloroform

Concen: 9.222 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

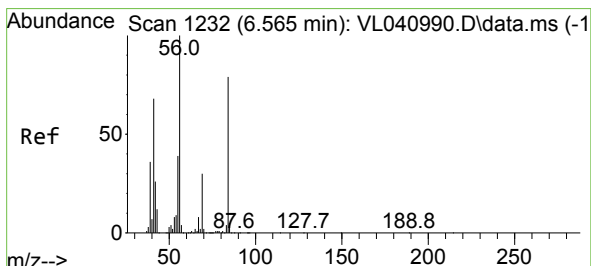
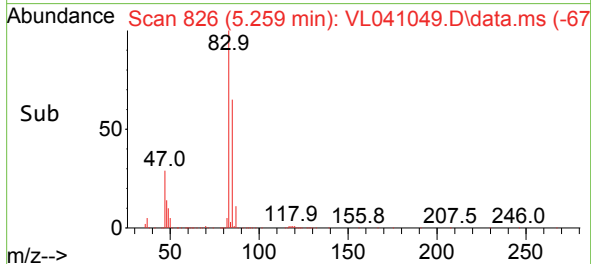
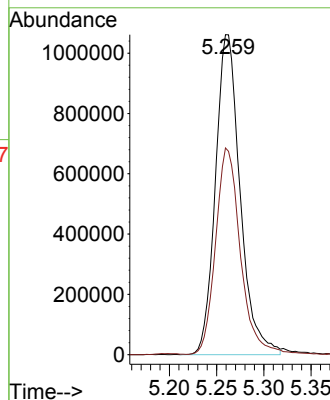
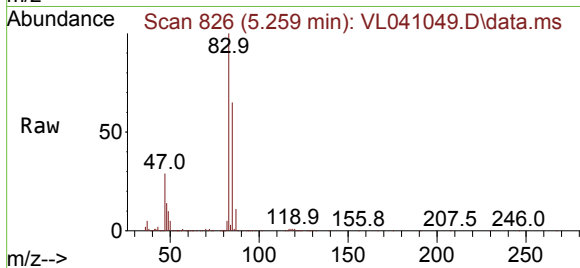
ClientSampleId :

Tgt Ion: 83 Resp: 1926708

Ion Ratio Lower Upper

83 100

85 64.4 51.6 77.4



#30

Cyclohexane

Concen: 9.600 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

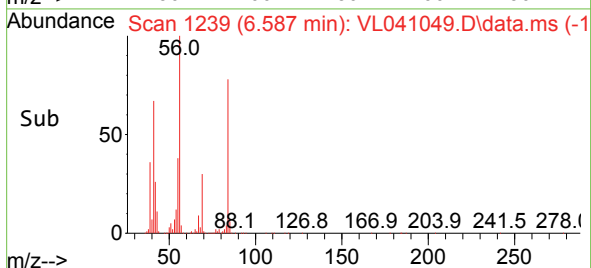
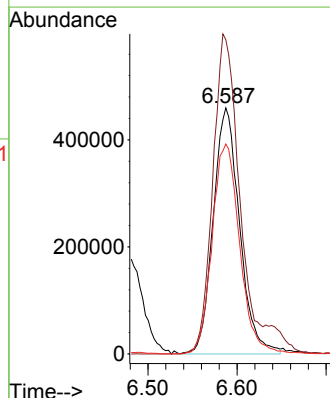
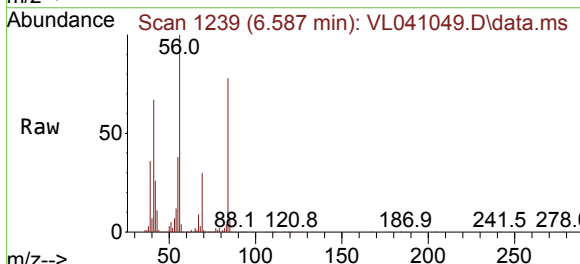
Tgt Ion: 84 Resp: 947428

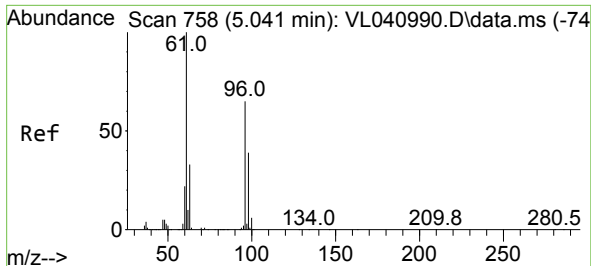
Ion Ratio Lower Upper

84 100

56 137.5 111.7 167.5

41 88.7 71.0 106.6

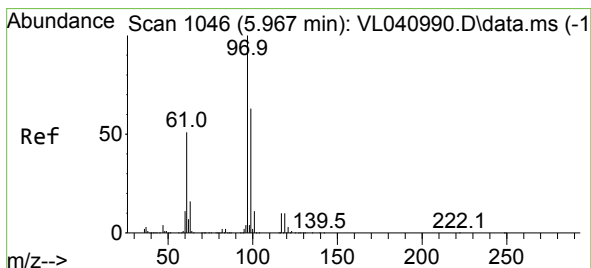
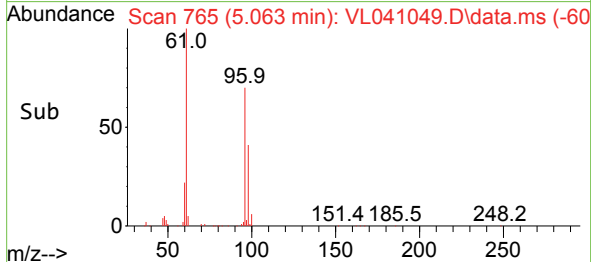
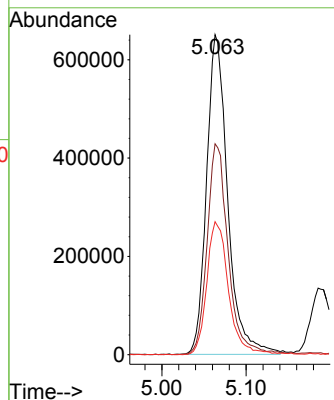
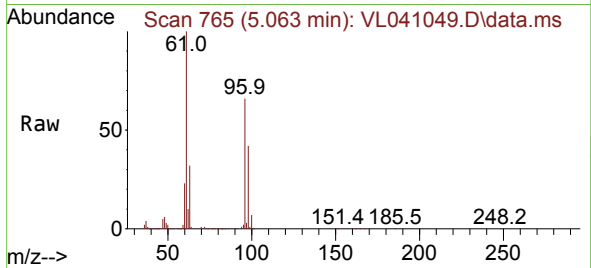




#31
 cis-1,2-Dichloroethene
 Concen: 10.259 ppbv
 RT: 5.063 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

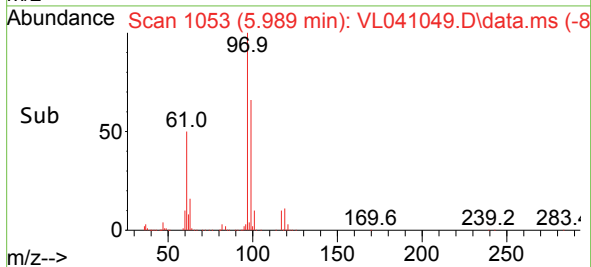
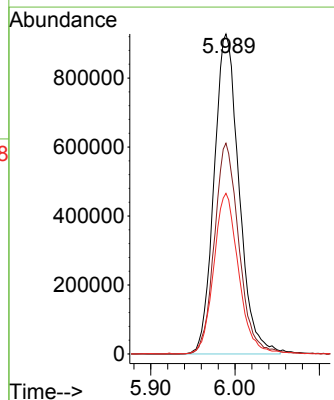
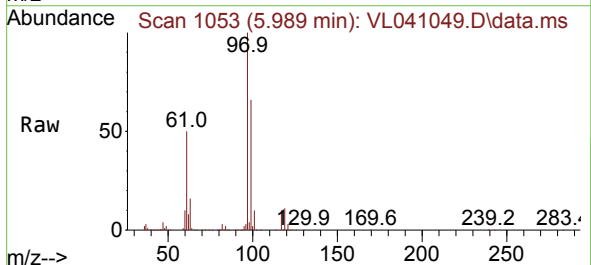
Instrument :
 MSVOA_L
 ClientSampleId :

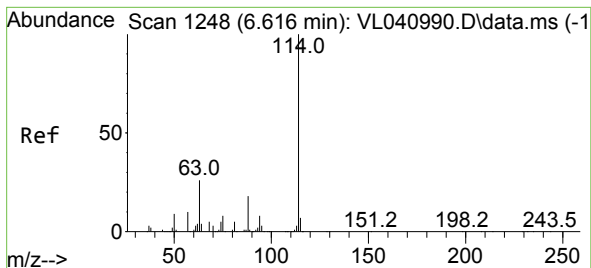
Tgt Ion: 61 Resp: 1134230
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.9 77.9
 98 41.5 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 9.549 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 97 Resp: 1906761
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.5 77.3
 61 50.5 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: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

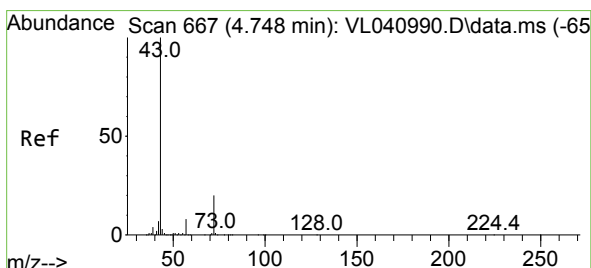
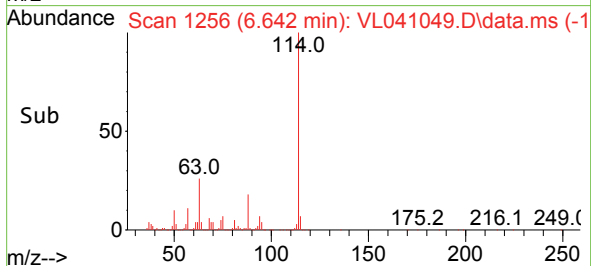
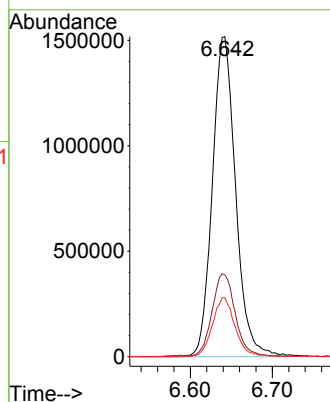
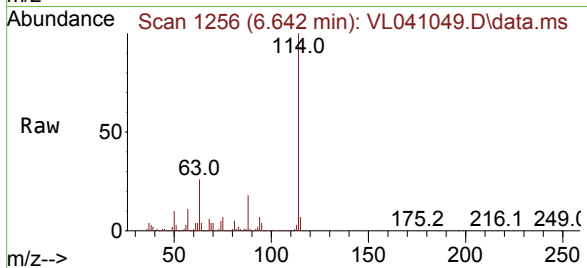
Tgt Ion:114 Resp: 2976792

Ion Ratio Lower Upper

114 100

63 26.6 20.8 31.2

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 9.770 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.000 min

Lab File: VL041049.D

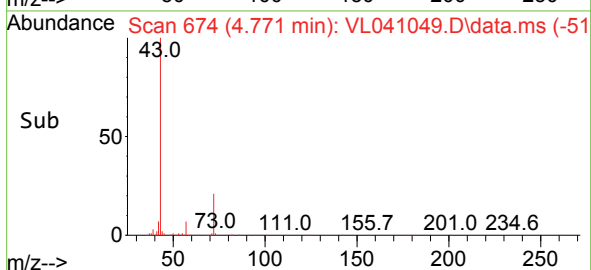
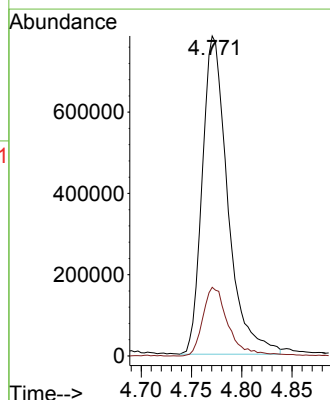
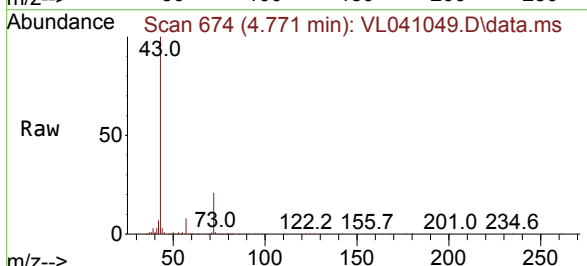
Acq: 9 Feb 2024 8:59

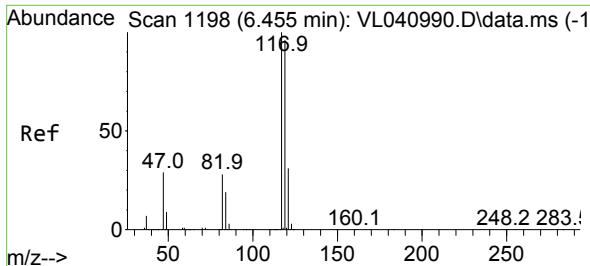
Tgt Ion: 43 Resp: 1385589

Ion Ratio Lower Upper

43 100

72 21.9 17.5 26.3

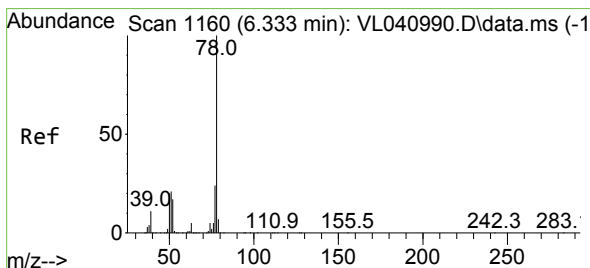
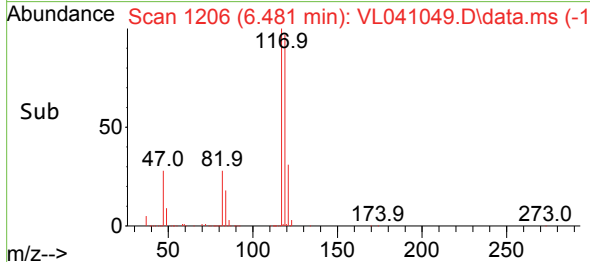
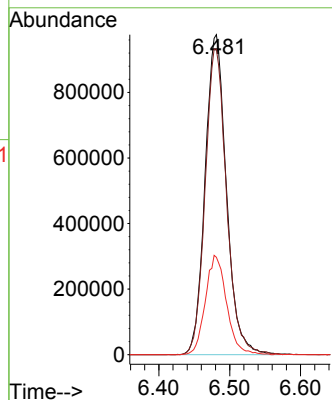
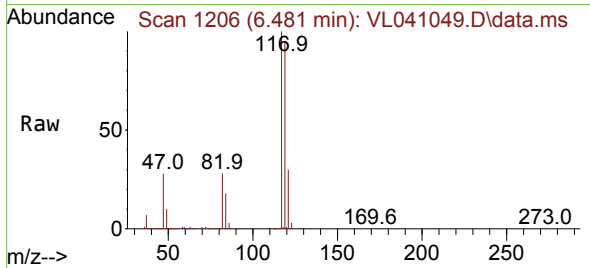




#35
Carbon Tetrachloride
Concen: 10.270 ppbv
RT: 6.481 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

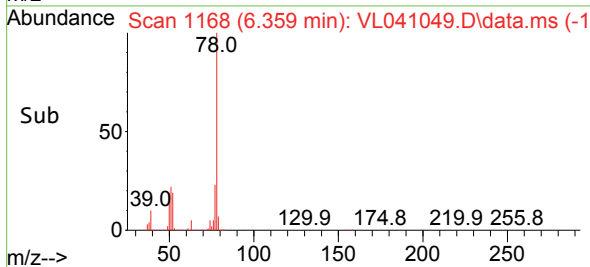
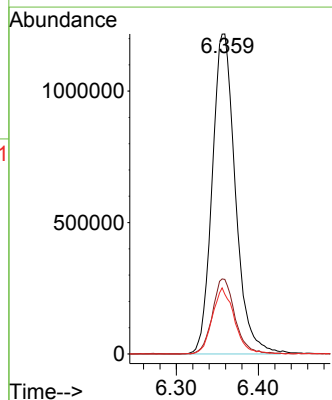
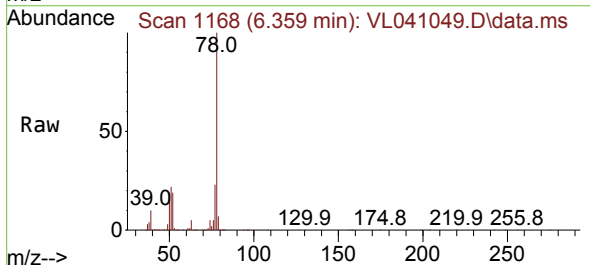
Instrument :
MSVOA_L
ClientSampleId :

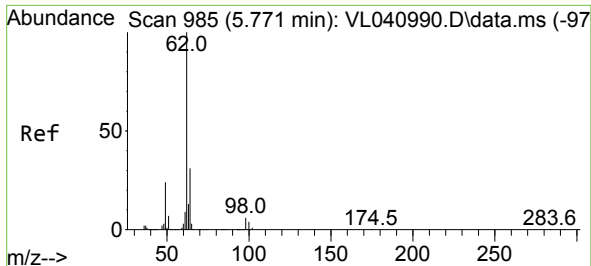
Tgt Ion:117 Resp: 2038665
Ion Ratio Lower Upper
117 100
119 95.4 76.9 115.3
121 30.4 24.7 37.1



#36
Benzene
Concen: 9.694 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 78 Resp: 2383305
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4
50 18.6 15.8 23.6

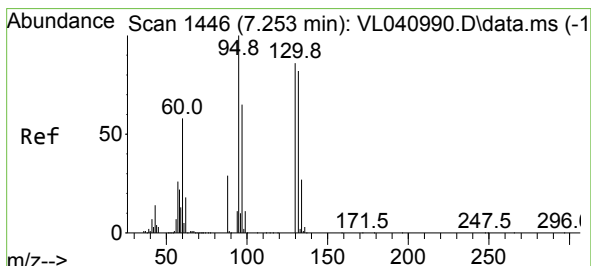
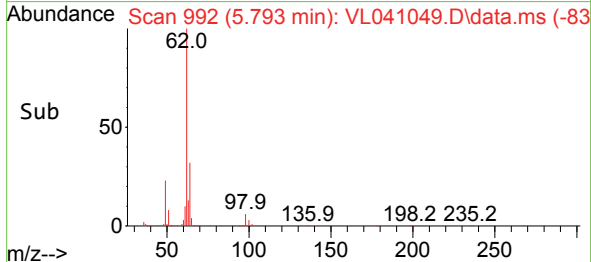
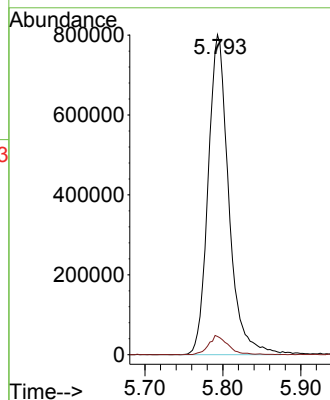
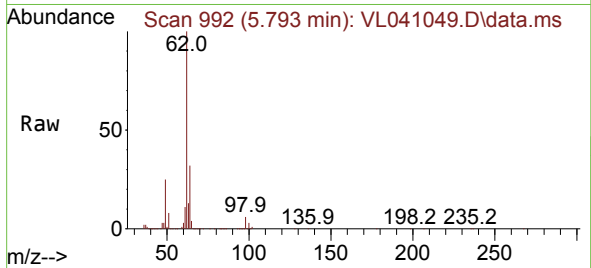




#37
1,2-Dichloroethane
Concen: 9.815 ppbv
RT: 5.793 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

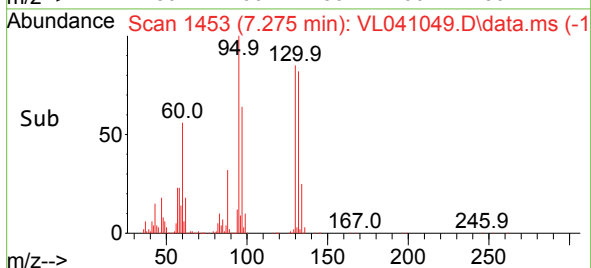
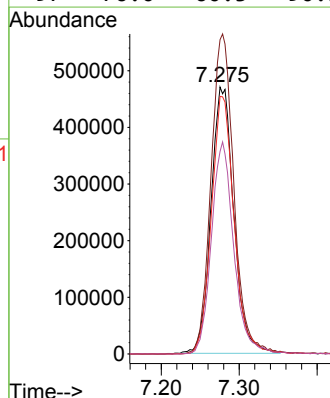
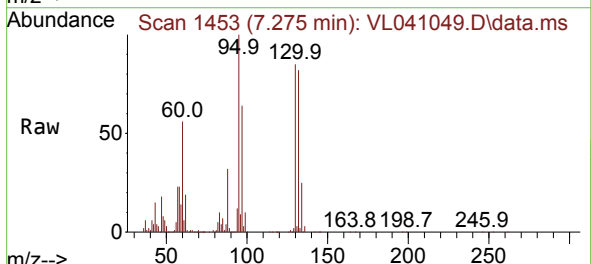
Instrument :
MSVOA_L
ClientSampleId :

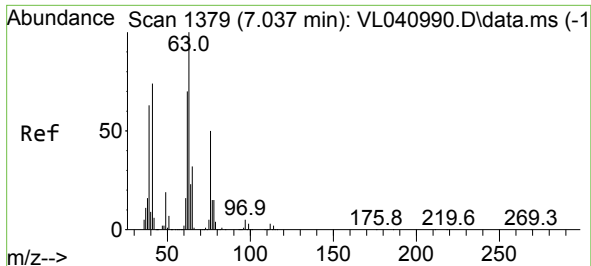
Tgt Ion: 62 Resp: 1472491
Ion Ratio Lower Upper
62 100
98 5.7 4.7 7.1



#38
Trichloroethene
Concen: 9.703 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion:130 Resp: 956333
Ion Ratio Lower Upper
130 100
95 118.1 92.9 139.3
132 96.7 76.2 114.2
97 76.0 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.726 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

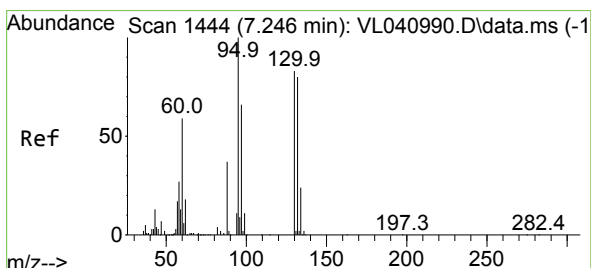
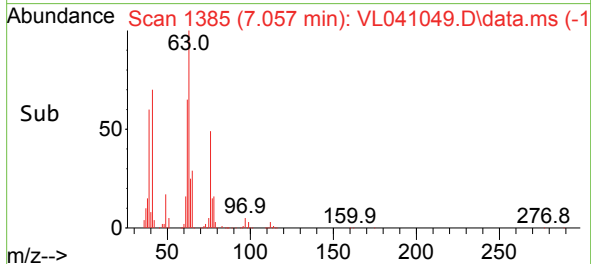
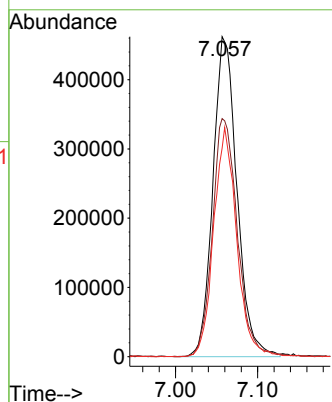
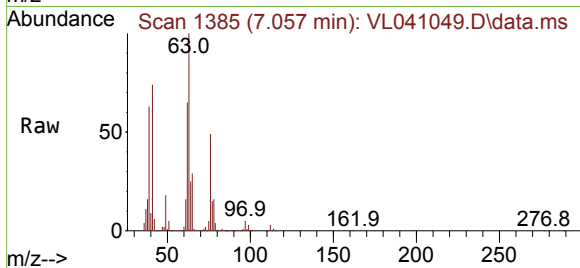
Tgt Ion: 63 Resp: 941975

Ion Ratio Lower Upper

63 100

41 74.3 59.6 89.4

62 65.2 55.6 83.4



#40

1,4-Dioxane

Concen: 9.917 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Tgt Ion: 88 Resp: 398911

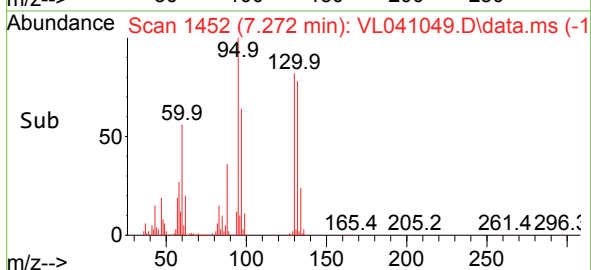
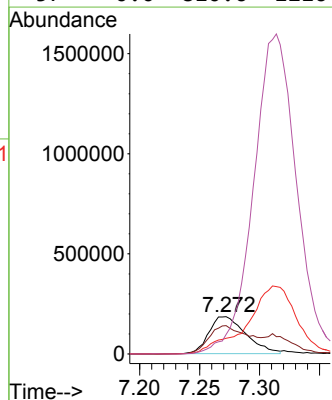
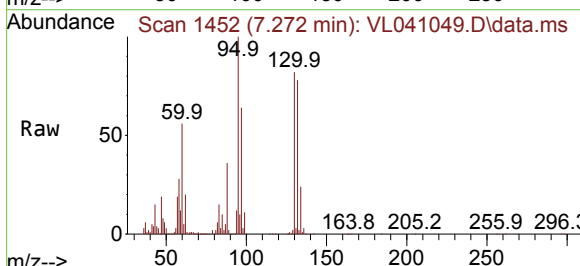
Ion Ratio Lower Upper

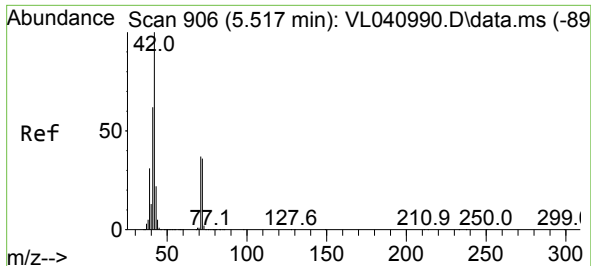
88 100

58 123.5 96.6 144.8

43 0.0 191.0 286.6#

57 0.0 810.6 1216.0#





#41

Tetrahydrofuran

Concen: 10.005 ppbv

RT: 5.539 min Scan# 91

Delta R.T. 0.000 min

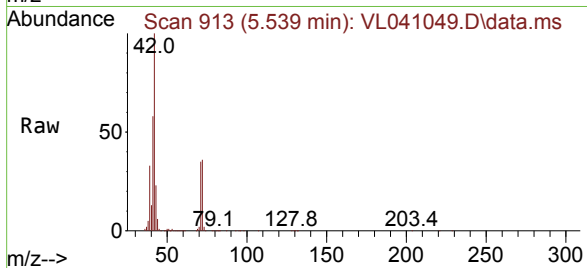
Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :



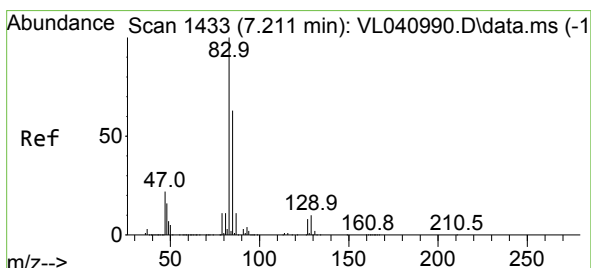
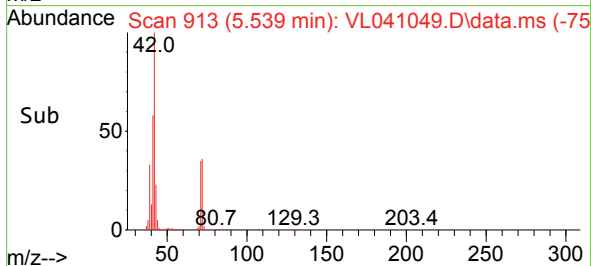
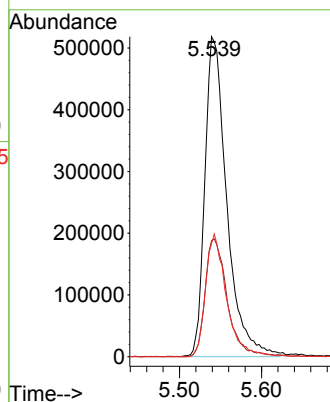
Tgt Ion: 42 Resp: 963446

Ion Ratio Lower Upper

42 100

72 37.4 30.0 45.0

71 36.8 29.5 44.3



#42

Bromodichloromethane

Concen: 9.940 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

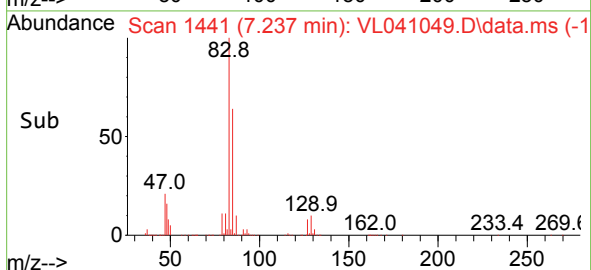
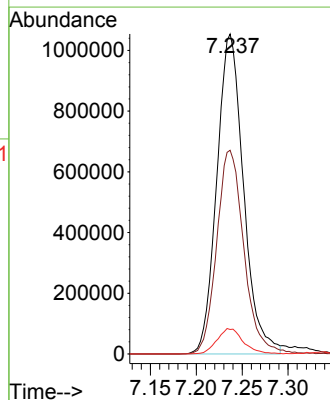
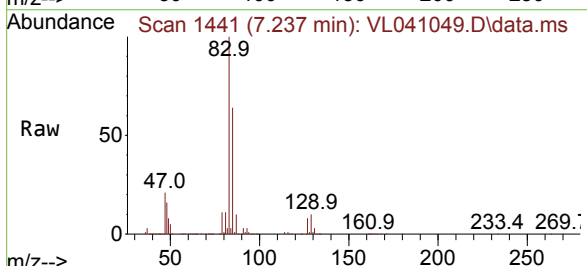
Tgt Ion: 83 Resp: 2133700

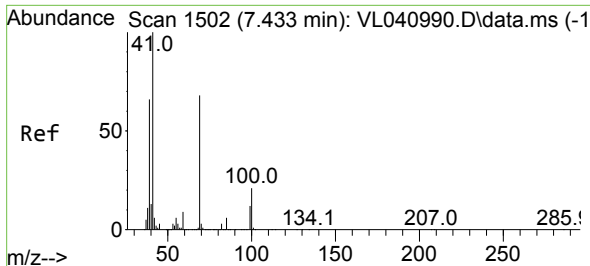
Ion Ratio Lower Upper

83 100

85 63.6 50.5 75.7

127 7.7 6.4 9.6

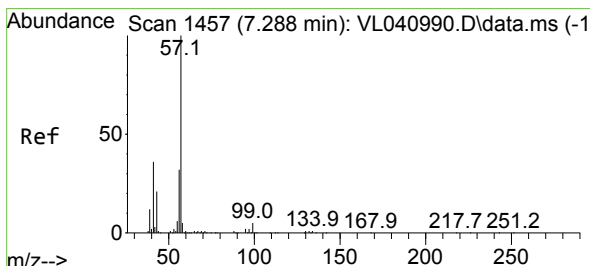
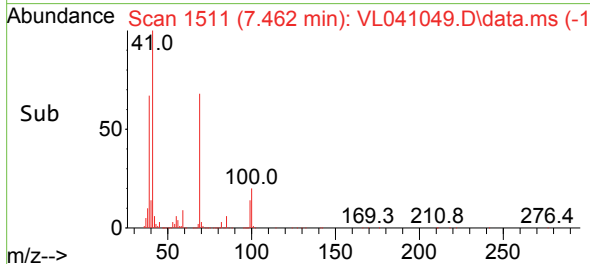
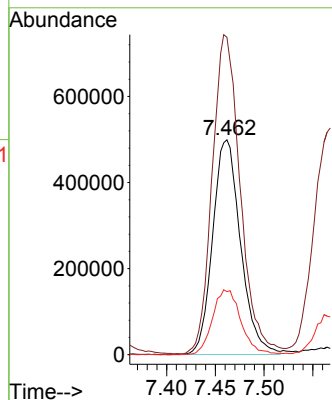
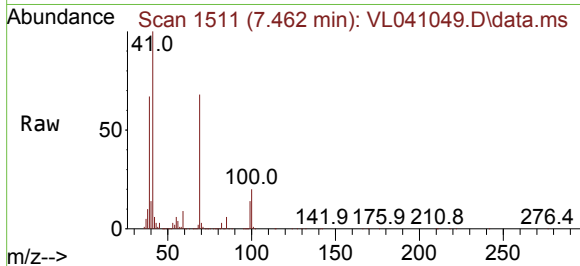




#43
Methyl Methacrylate
Concen: 10.465 ppbv
RT: 7.462 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

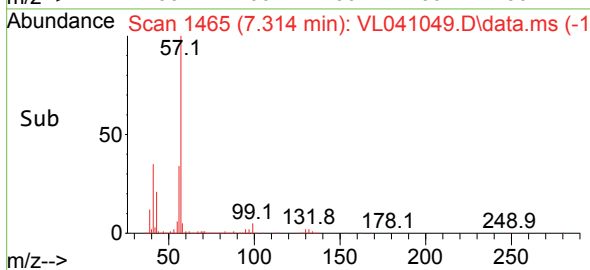
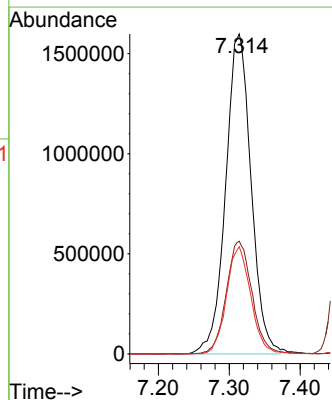
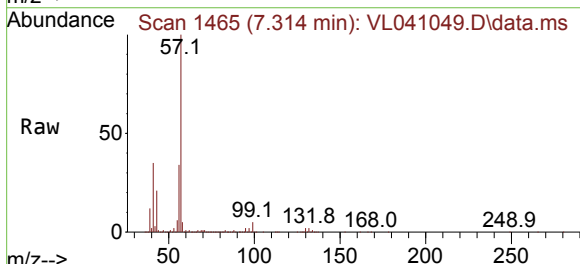
Instrument :
MSVOA_L
ClientSampleId :

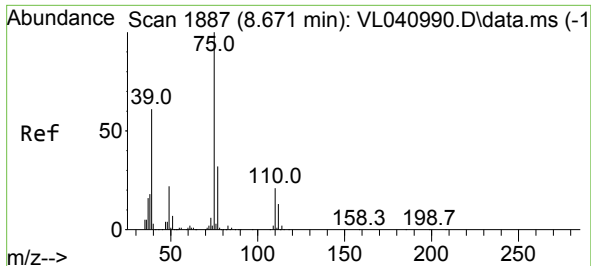
Tgt Ion: 69 Resp: 992791
Ion Ratio Lower Upper
69 100
41 150.1 120.2 180.2
100 30.9 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 9.631 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 57 Resp: 3984023
Ion Ratio Lower Upper
57 100
41 35.8 28.6 43.0
56 32.1 25.2 37.8

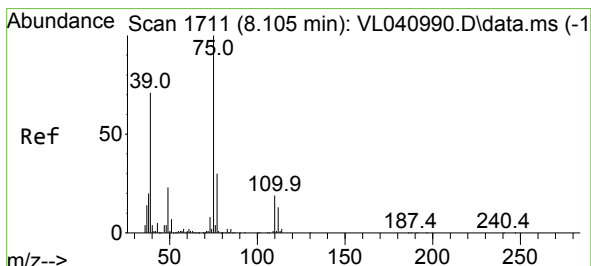
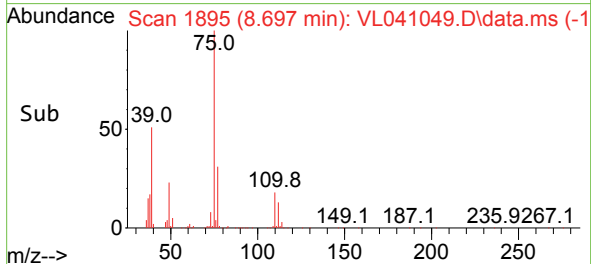
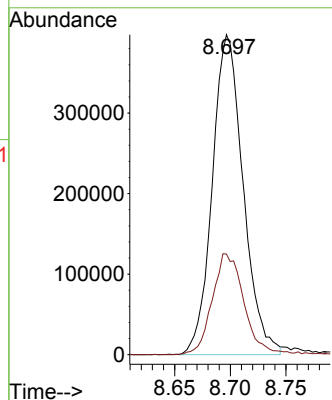
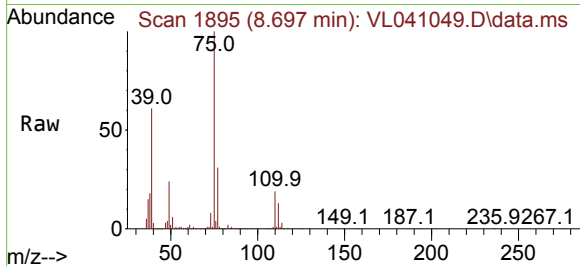




#45
 t-1,3-Dichloropropene
 Concen: 11.819 ppbv
 RT: 8.697 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

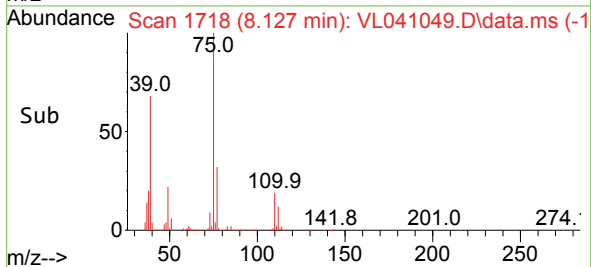
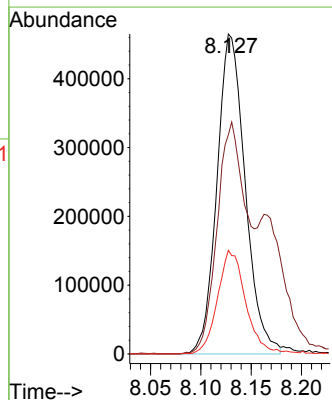
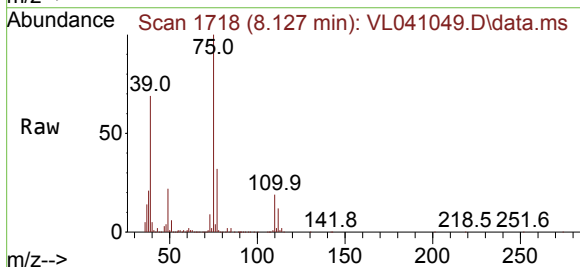
Instrument :
 MSVOA_L
 ClientSampleId :

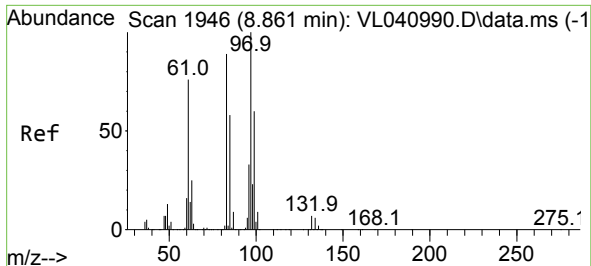
Tgt Ion: 75 Resp: 766137
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 11.243 ppbv
 RT: 8.127 min Scan# 1718
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 75 Resp: 908866
 Ion Ratio Lower Upper
 75 100
 39 68.4 57.3 85.9
 77 32.3 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 9.864 ppbv

RT: 8.886 min Scan# 1946

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 1029692

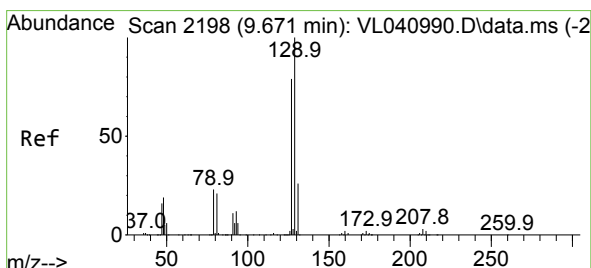
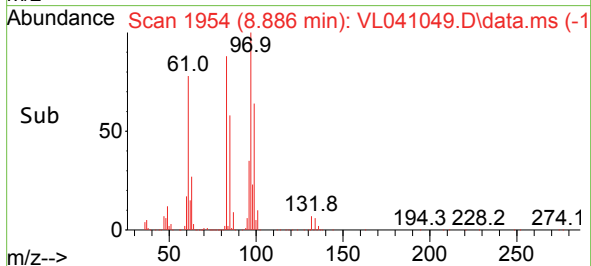
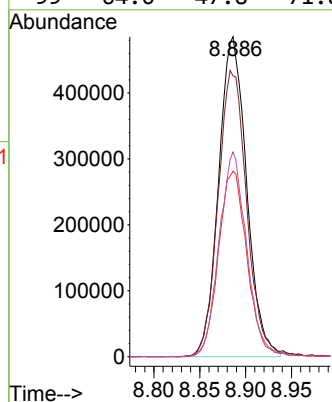
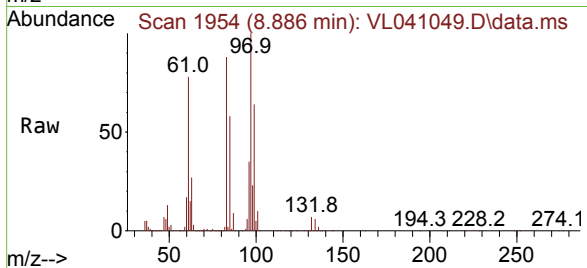
Ion Ratio Lower Upper

97 100

83 87.7 71.5 107.3

85 57.9 46.1 69.1

99 64.0 47.8 71.8



#48

Dibromochloromethane

Concen: 10.314 ppbv

RT: 9.696 min Scan# 2206

Delta R.T. 0.000 min

Lab File: VL041049.D

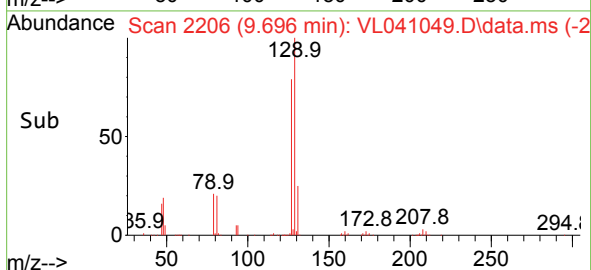
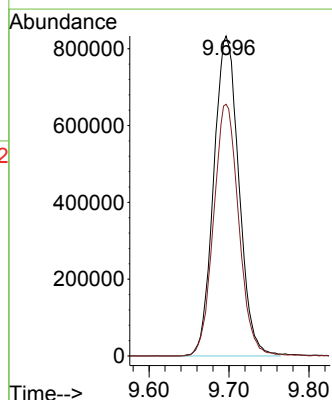
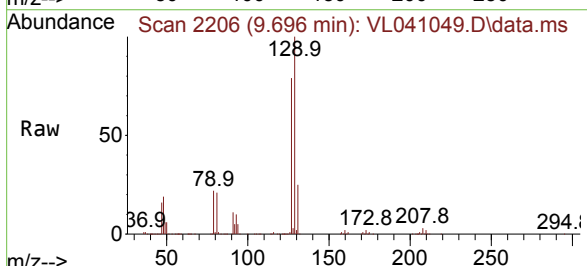
Acq: 9 Feb 2024 8:59

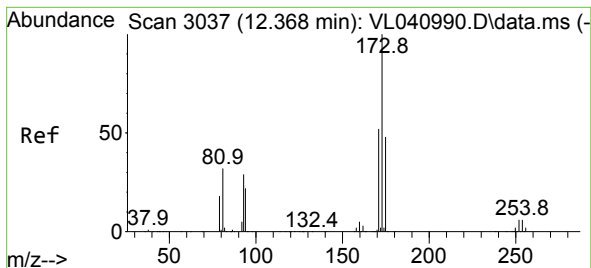
Tgt Ion: 129 Resp: 1820320

Ion Ratio Lower Upper

129 100

127 78.8 39.6 119.0





#49

Bromoform

Concen: 11.014 ppbv

RT: 12.394 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

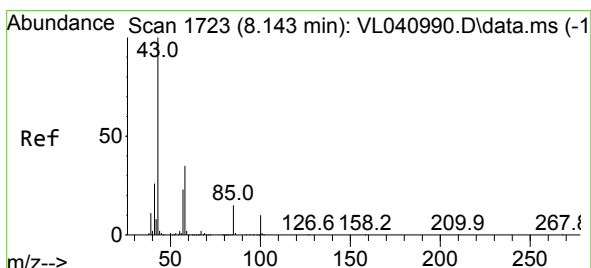
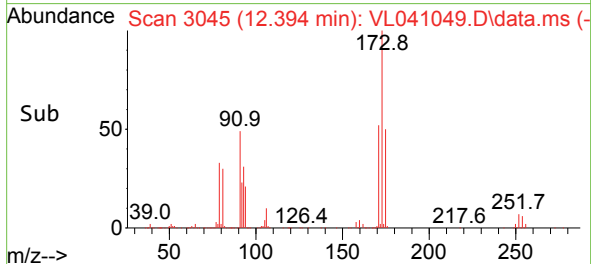
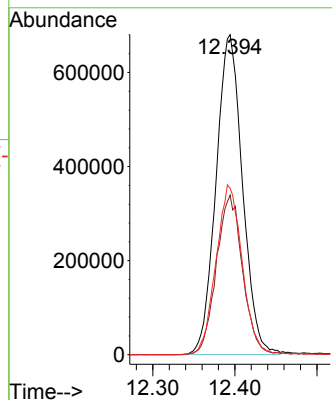
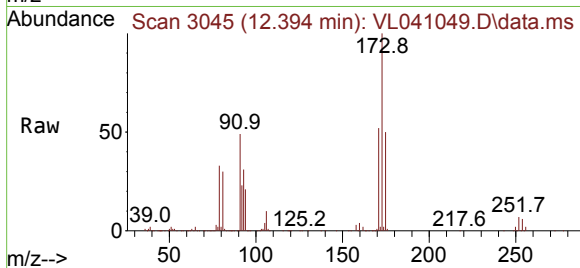
Tgt Ion:173 Resp: 1524833

Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

171 52.8 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.267 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. 0.000 min

Lab File: VL041049.D

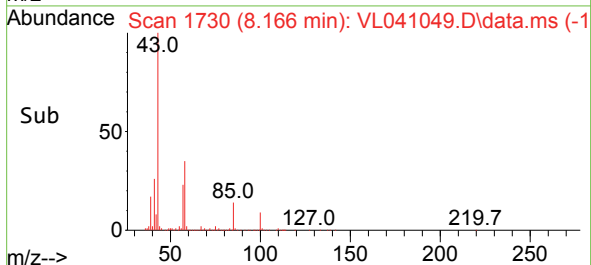
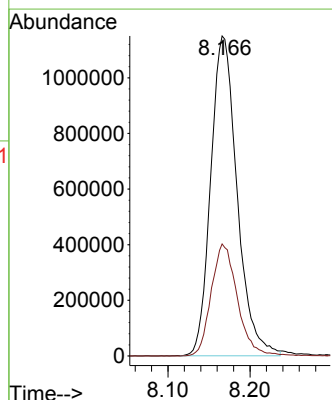
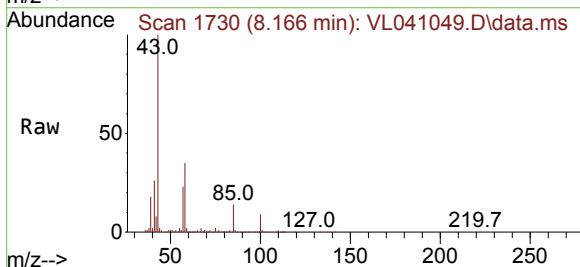
Acq: 9 Feb 2024 8:59

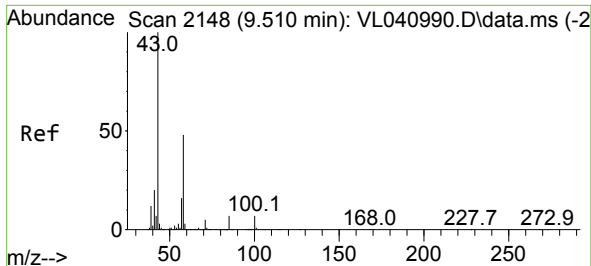
Tgt Ion: 43 Resp: 2564230

Ion Ratio Lower Upper

43 100

58 35.0 27.8 41.8

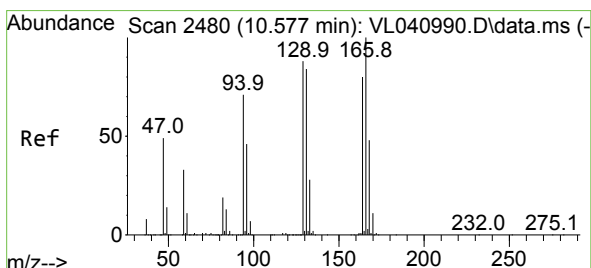
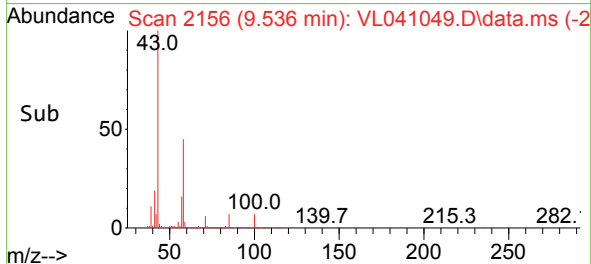
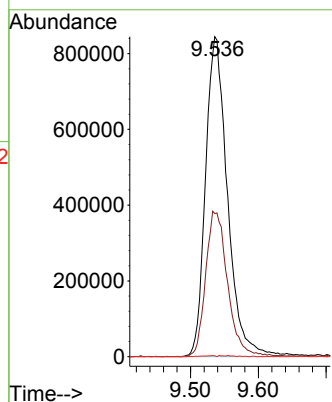
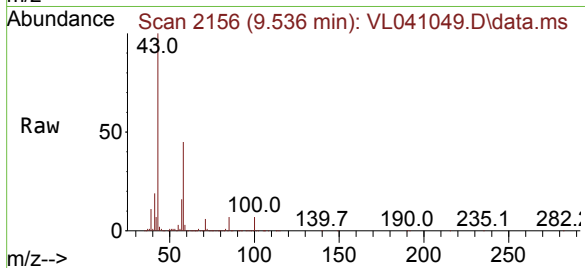




#51
2-Hexanone
Concen: 10.520 ppbv
RT: 9.536 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

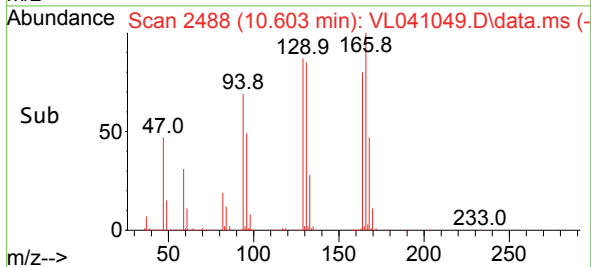
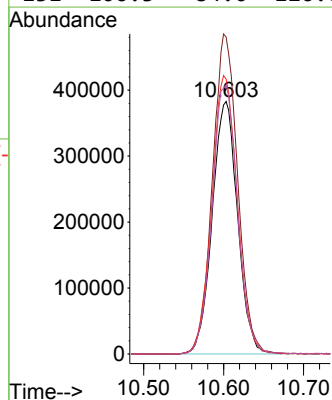
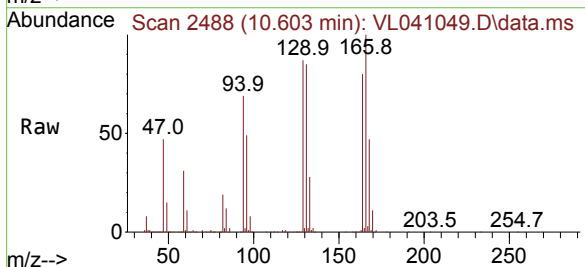
Instrument :
MSVOA_L
ClientSampleId :

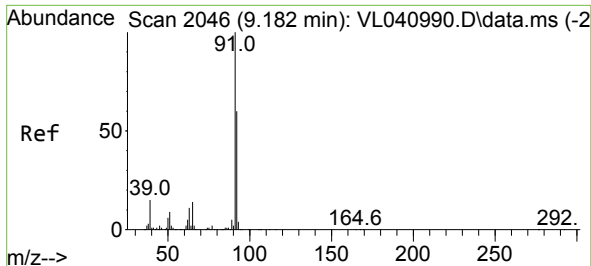
Tgt Ion: 43 Resp: 1893815
Ion Ratio Lower Upper
43 100
58 45.6 36.8 55.2
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.306 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 164 Resp: 841403
Ion Ratio Lower Upper
164 100
166 125.5 100.2 150.2
129 108.8 87.9 131.9
131 106.3 84.0 126.0

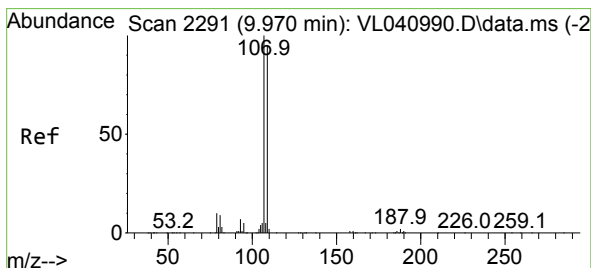
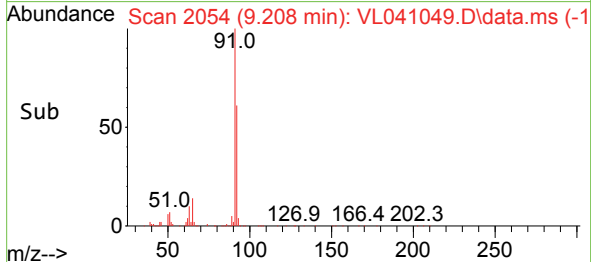
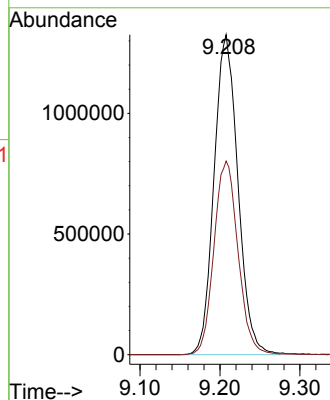
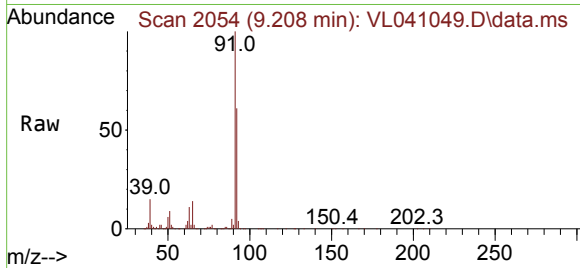




#53
Toluene
Concen: 10.187 ppbv
RT: 9.208 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

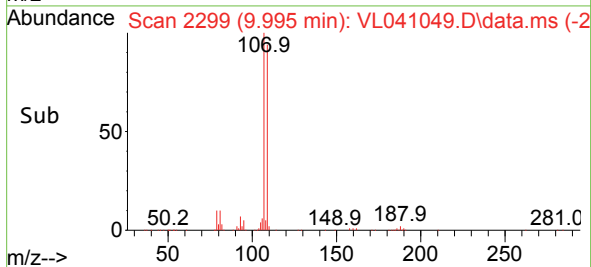
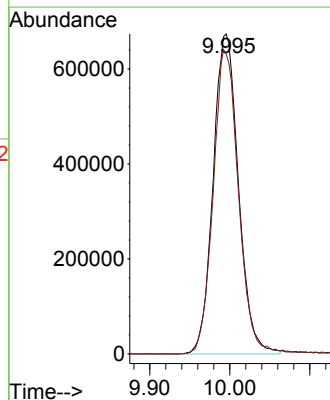
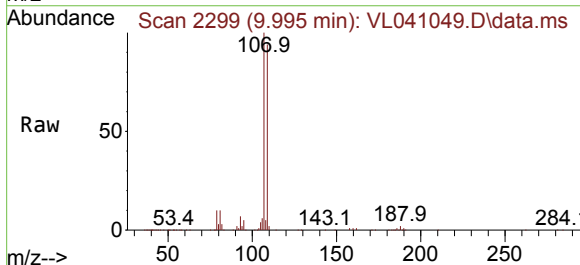
Instrument :
MSVOA_L
ClientSampleId :

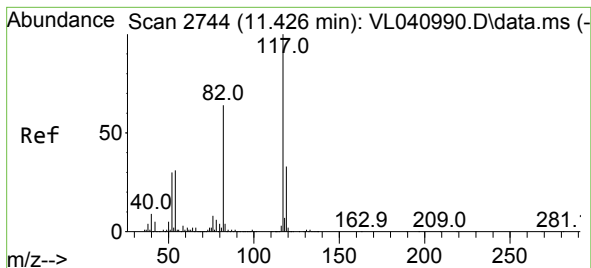
Tgt Ion: 91 Resp: 2743634
Ion Ratio Lower Upper
91 100
92 61.2 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.463 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 107 Resp: 1479210
Ion Ratio Lower Upper
107 100
109 93.7 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

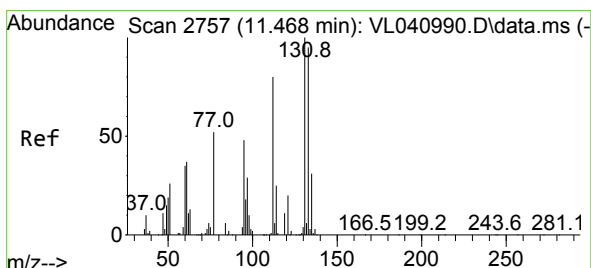
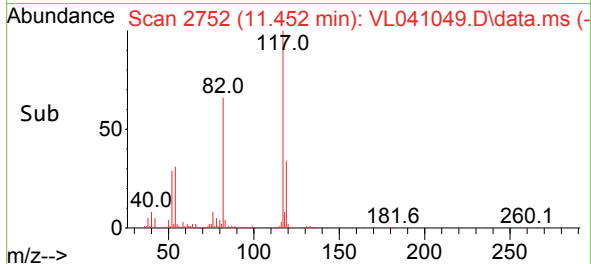
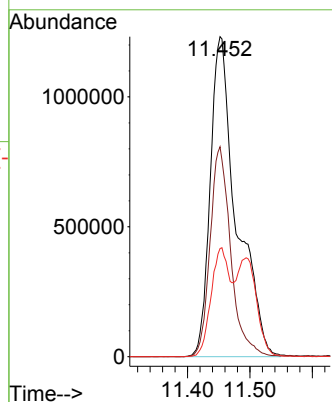
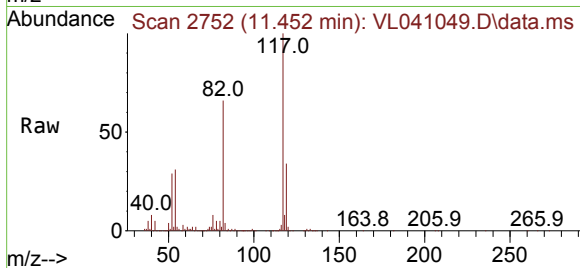
Tgt Ion:117 Resp: 3608217

Ion Ratio Lower Upper

117 100

82 51.8 51.7 77.5

119 23.9 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 7.848 ppbv

RT: 11.494 min Scan# 2765

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

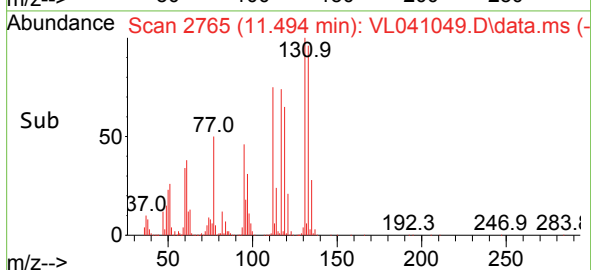
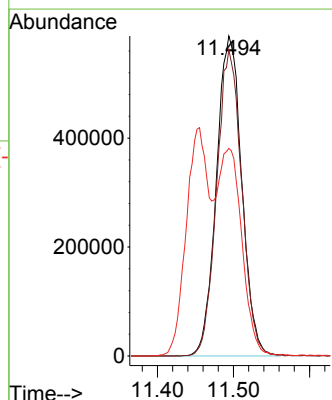
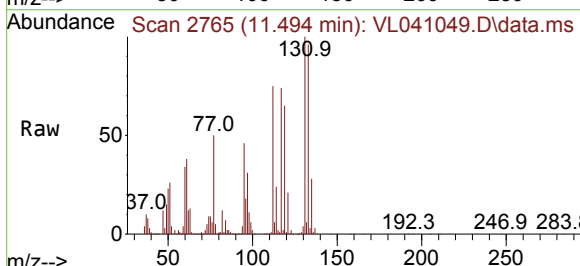
Tgt Ion:131 Resp: 1358556

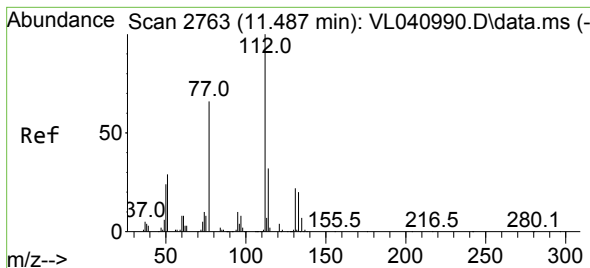
Ion Ratio Lower Upper

131 100

133 94.6 75.9 113.9

119 61.0 49.2 73.8





#57

Chlorobenzene

Concen: 7.465 ppbv

RT: 11.513 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

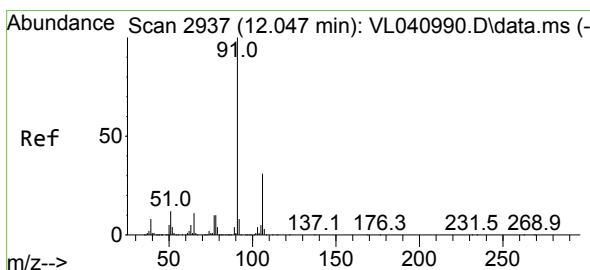
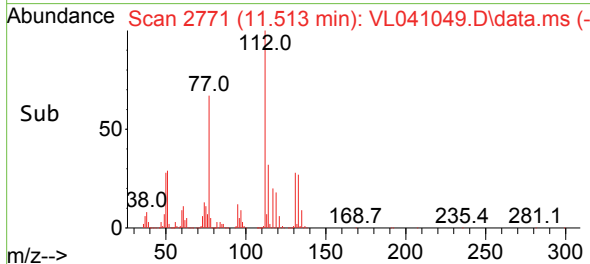
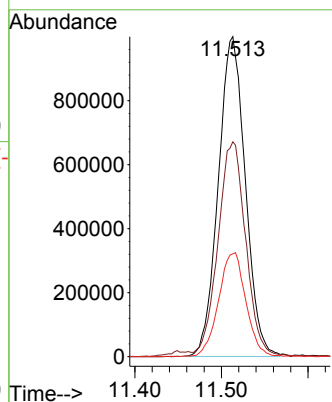
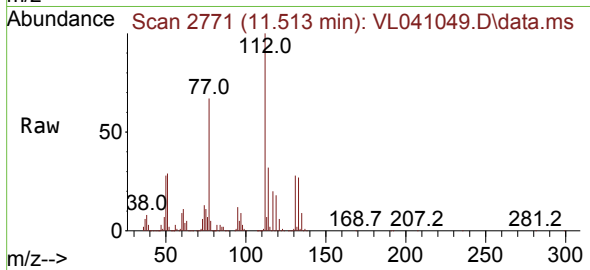
Tgt Ion:112 Resp: 2166604

Ion Ratio Lower Upper

112 100

77 66.7 53.4 80.0

114 32.1 29.1 35.5



#58

Ethyl Benzene

Concen: 7.871 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041049.D

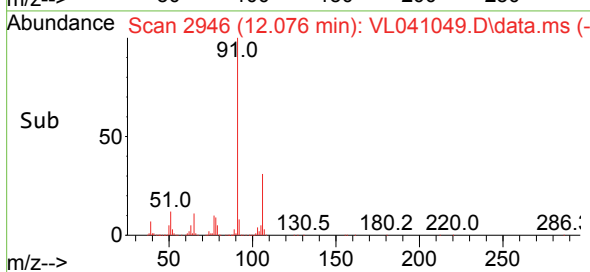
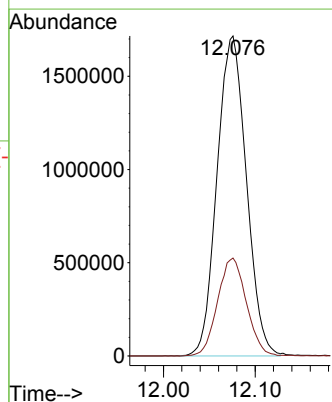
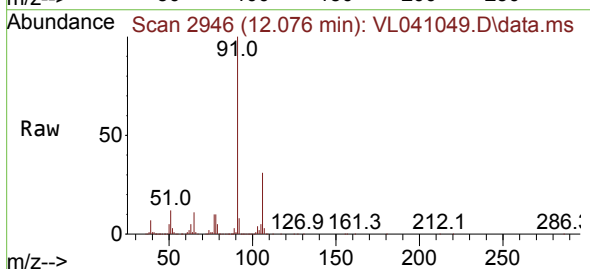
Acq: 9 Feb 2024 8:59

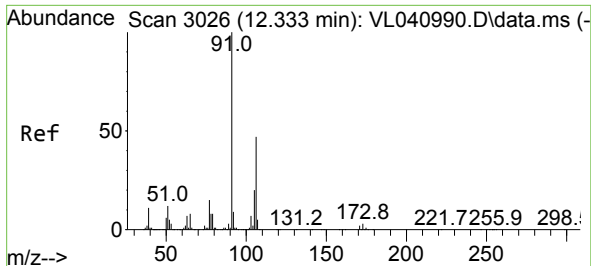
Tgt Ion: 91 Resp: 3813599

Ion Ratio Lower Upper

91 100

106 30.6 24.8 37.2





#59

m/p-Xylene

Concen: 8.618 ppbv

RT: 12.356 min Scan# 3026

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

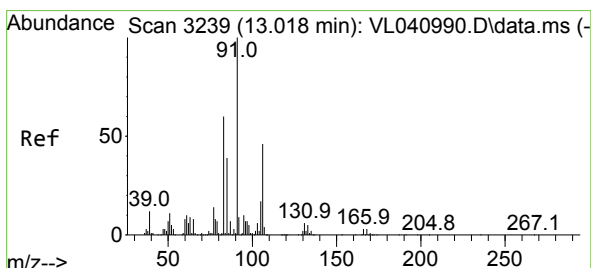
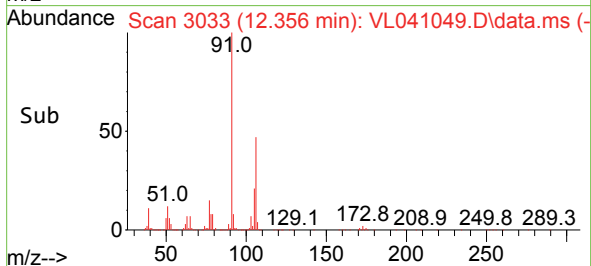
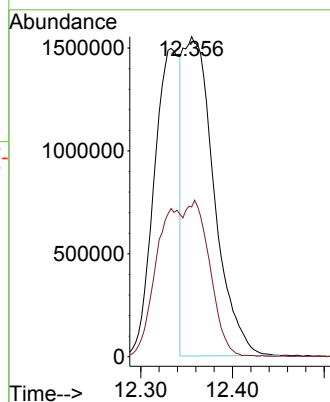
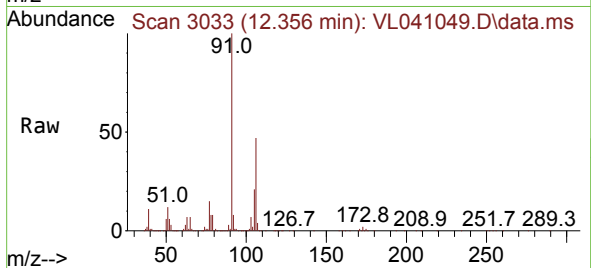
ClientSampleId :

Tgt Ion: 91 Resp: 3640885

Ion Ratio Lower Upper

91 100

106 79.7 34.9 52.3#



#60

o-Xylene

Concen: 7.816 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. 0.000 min

Lab File: VL041049.D

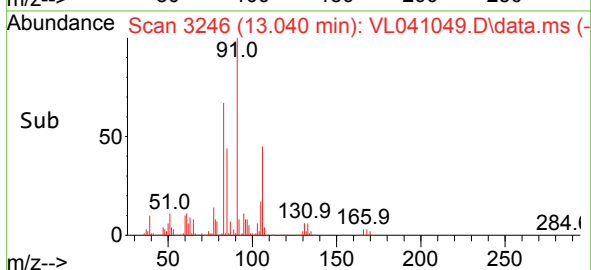
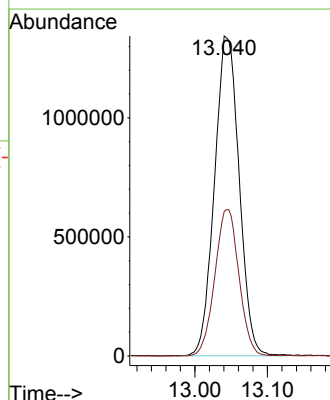
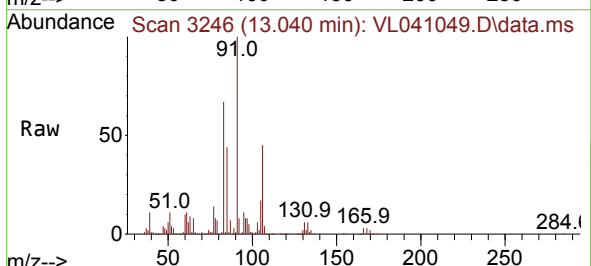
Acq: 9 Feb 2024 8:59

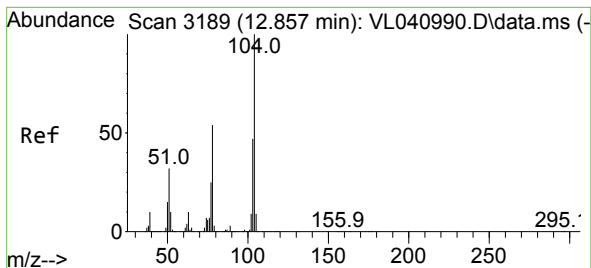
Tgt Ion: 91 Resp: 3168162

Ion Ratio Lower Upper

91 100

106 44.9 22.6 67.7





#61

Styrene

Concen: 8.652 ppbv

RT: 12.886 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

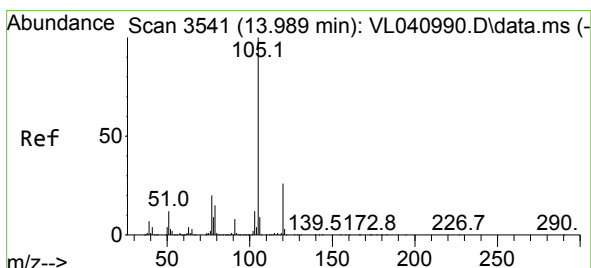
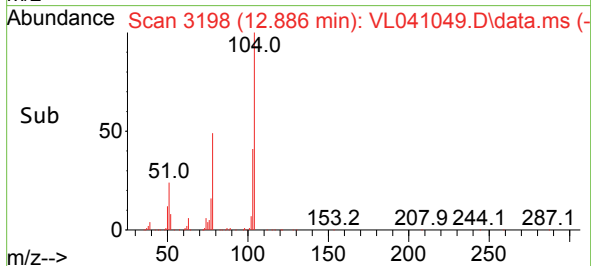
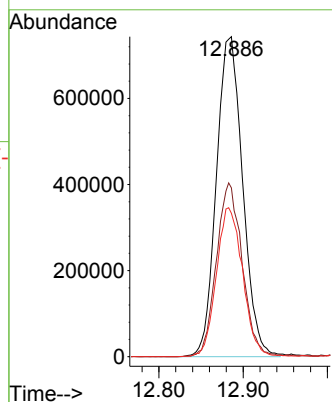
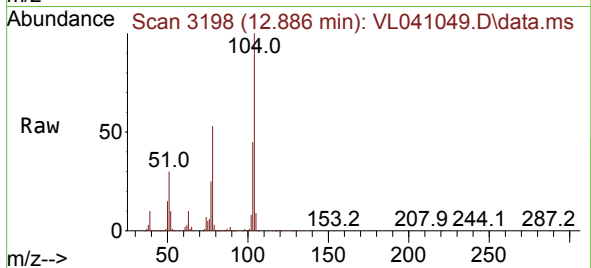
Tgt Ion:104 Resp: 1610329

Ion Ratio Lower Upper

104 100

78 53.5 42.7 64.1

103 46.6 37.6 56.4



#62

Isopropylbenzene

Concen: 7.630 ppbv

RT: 14.015 min Scan# 3549

Delta R.T. 0.000 min

Lab File: VL041049.D

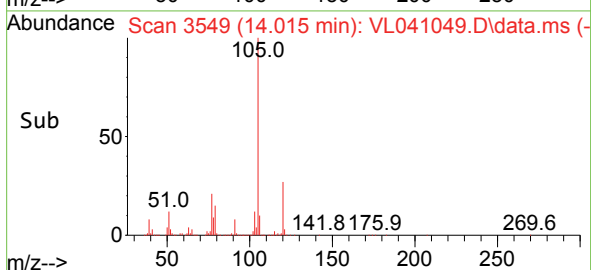
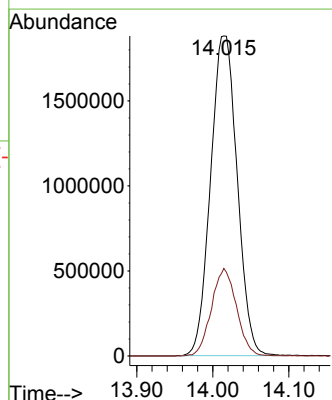
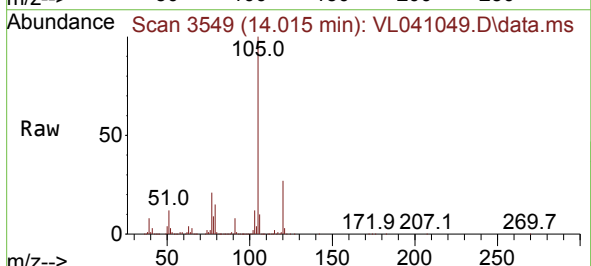
Acq: 9 Feb 2024 8:59

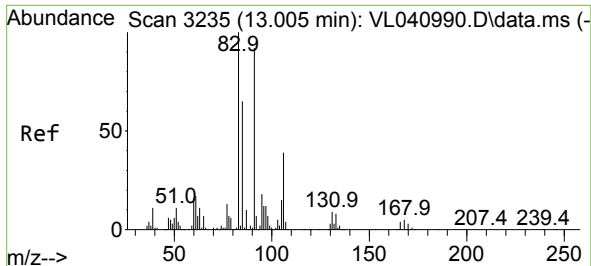
Tgt Ion:105 Resp: 4573342

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

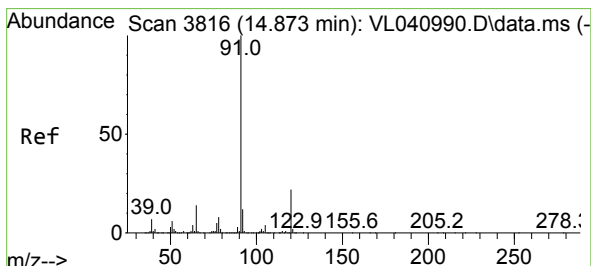
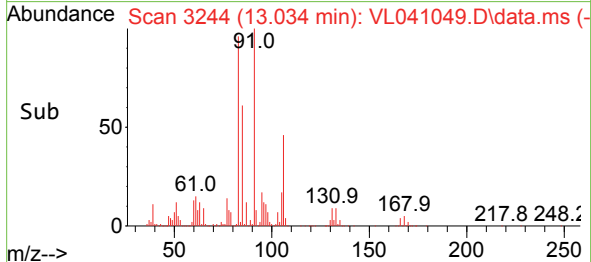
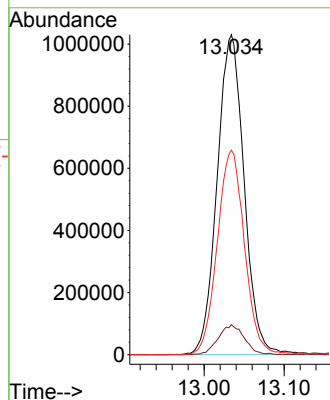
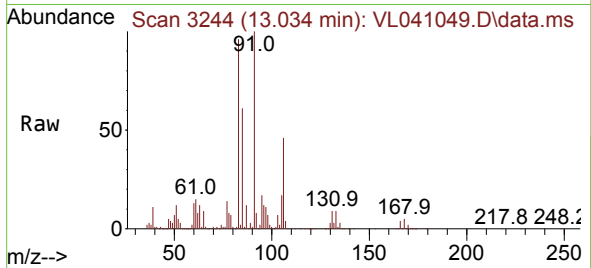




#63
1,1,2,2-Tetrachloroethane
Concen: 7.623 ppbv
RT: 13.034 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

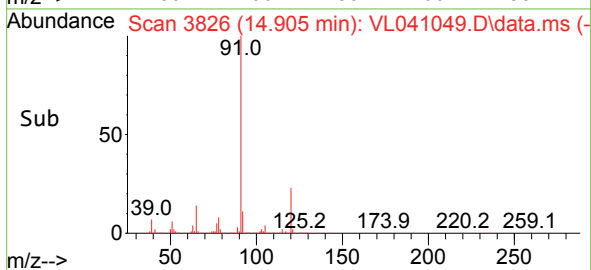
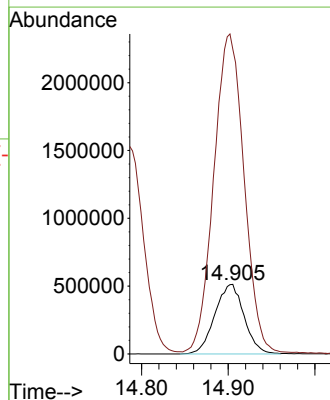
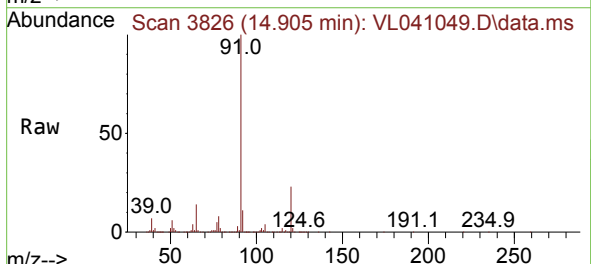
Instrument :
MSVOA_L
ClientSampleId :

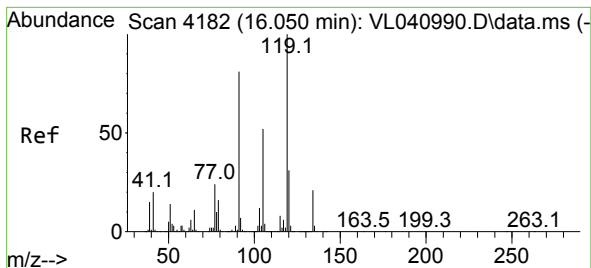
Tgt Ion: 83 Resp: 2401255
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 65.5 33.0 99.0



#64
n-propylbenzene
Concen: 7.938 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion:120 Resp: 1202131
Ion Ratio Lower Upper
120 100
91 480.8 390.6 585.8

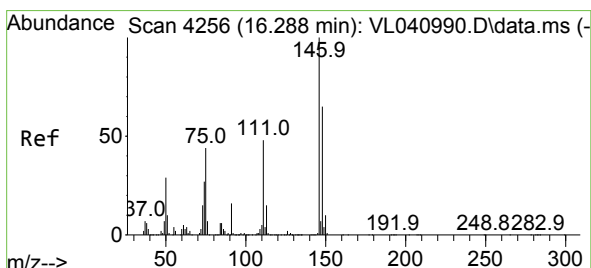
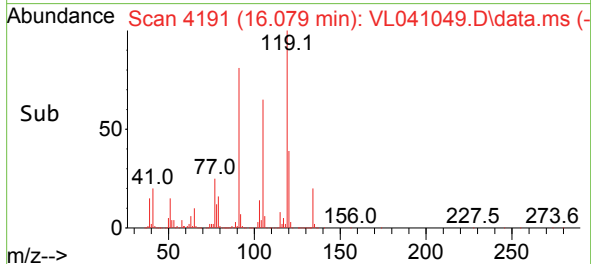
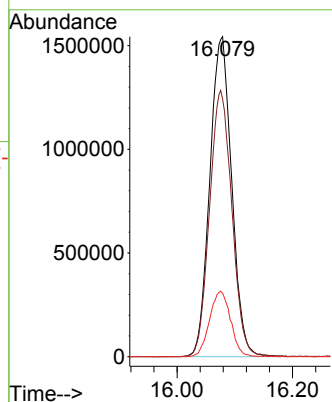
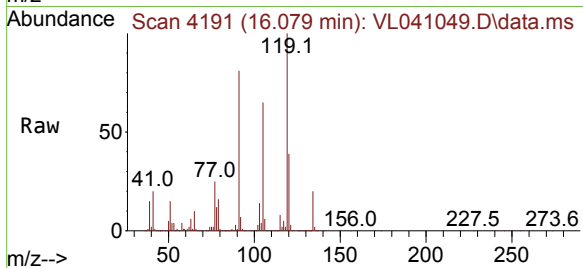




#65
tert-Butylbenzene
Concen: 7.750 ppbv
RT: 16.079 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

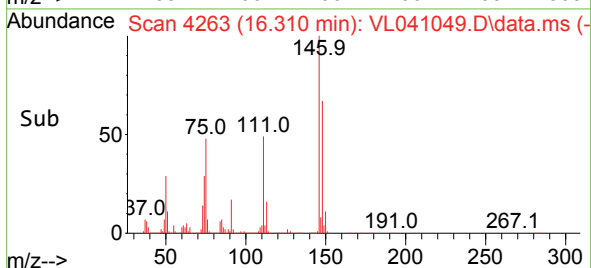
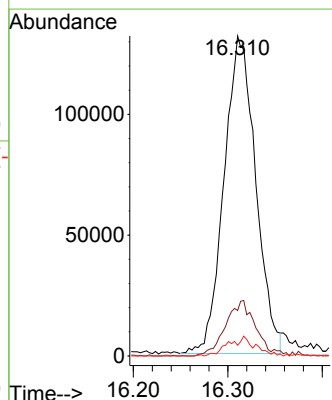
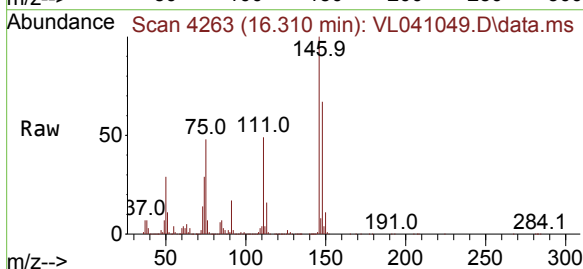
Instrument :
MSVOA_L
ClientSampleId :

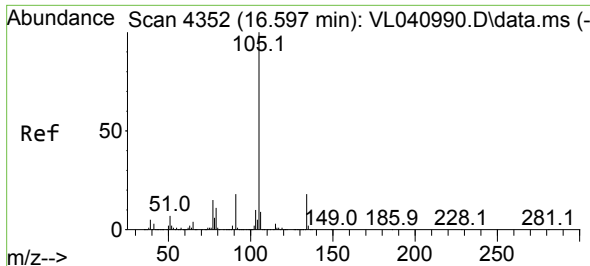
Tgt Ion:119 Resp: 4058718
Ion Ratio Lower Upper
119 100
91 84.9 67.6 101.4
134 19.7 16.1 24.1



#66
Benzyl Chloride
Concen: 8.908 ppbv
RT: 16.310 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion: 91 Resp: 305709
Ion Ratio Lower Upper
91 100
126 17.0 13.6 20.4
128 5.4 4.2 6.2

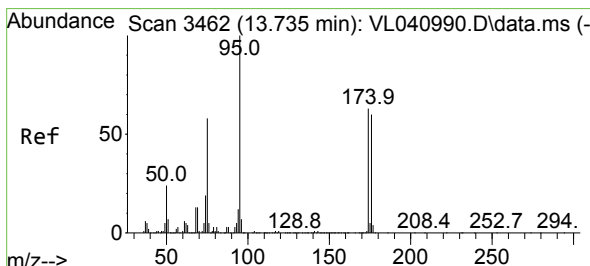
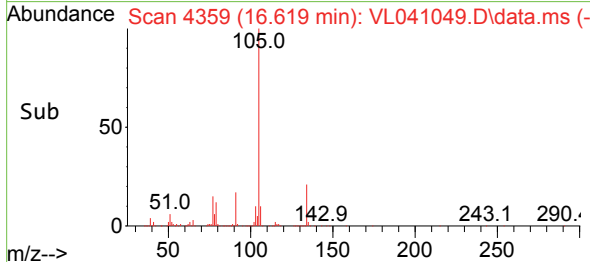
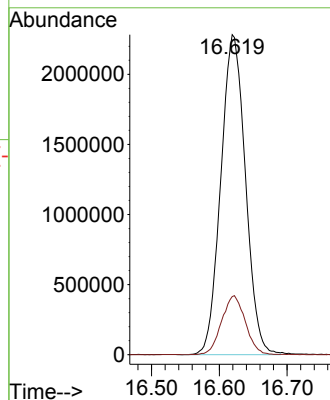
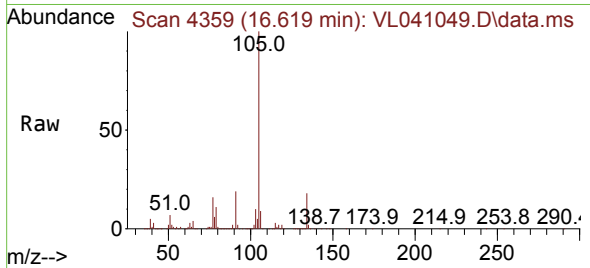




#67
 sec-Butylbenzene
 Concen: 7.552 ppbv
 RT: 16.619 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

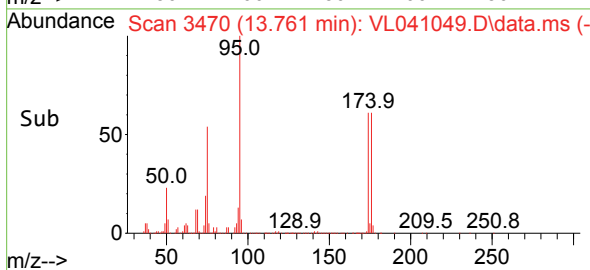
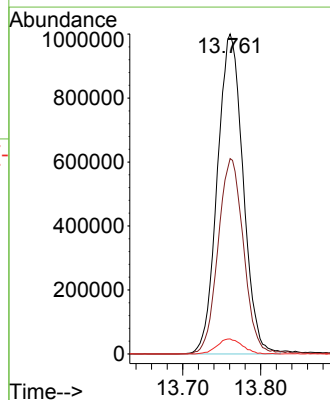
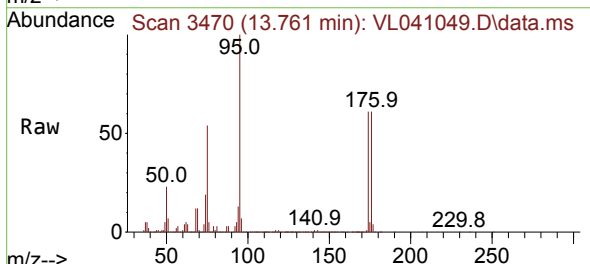
Instrument :
 MSVOA_L
 ClientSampleId :

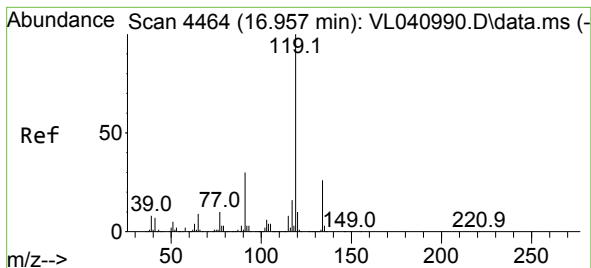
Tgt Ion:105 Resp: 5758976
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.398 ppbv
 RT: 13.761 min Scan# 3470
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Tgt Ion: 95 Resp: 2288780
 Ion Ratio Lower Upper
 95 100
 174 60.9 49.1 73.7
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 7.789 ppbv

RT: 16.982 min Scan# 4464

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

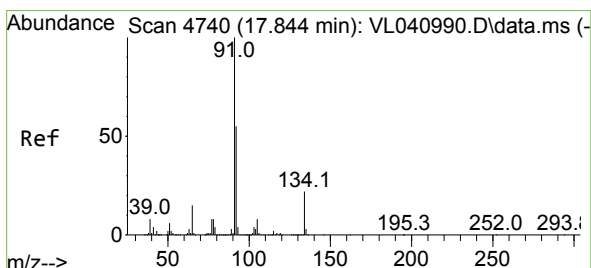
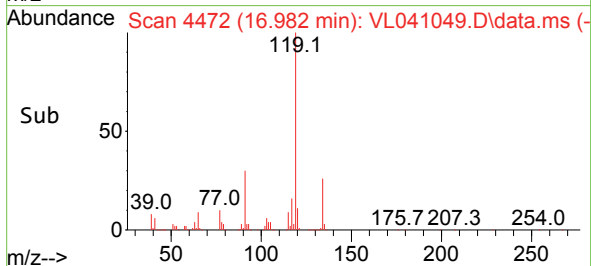
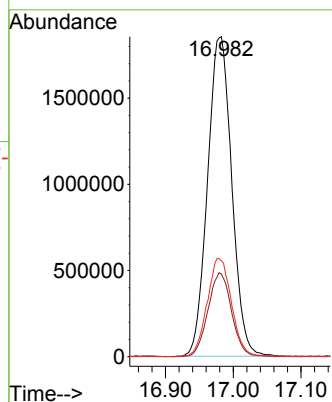
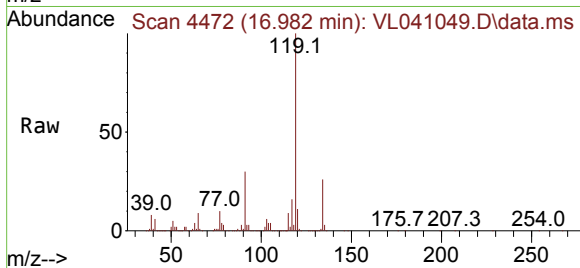
Tgt Ion:119 Resp: 4600720

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 30.8 24.5 36.7



#70

n-Butylbenzene

Concen: 7.760 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

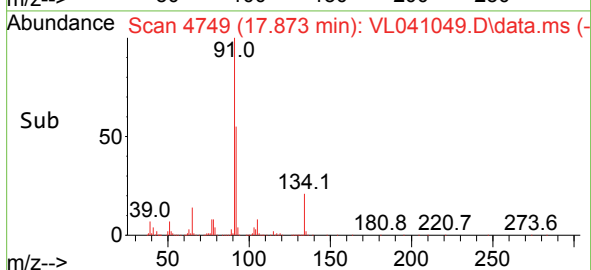
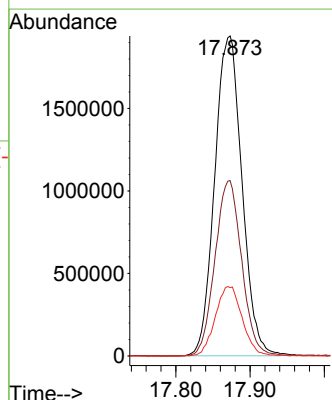
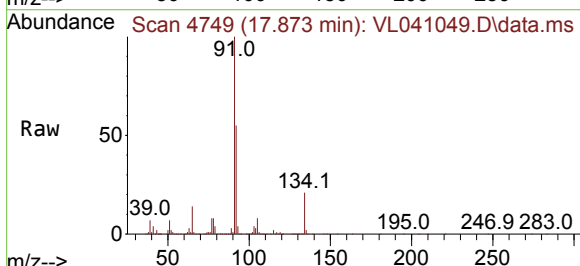
Tgt Ion: 91 Resp: 4953080

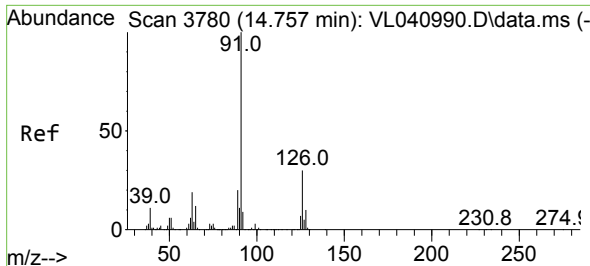
Ion Ratio Lower Upper

91 100

92 53.8 43.4 65.0

134 21.5 17.4 26.0

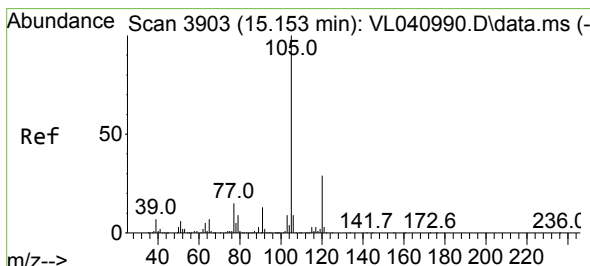
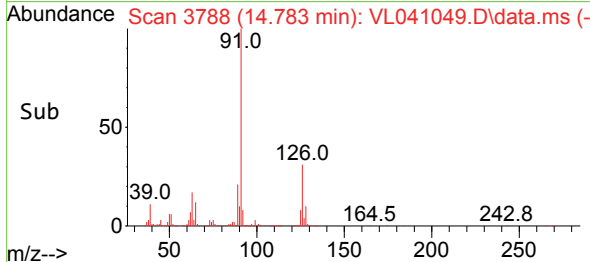
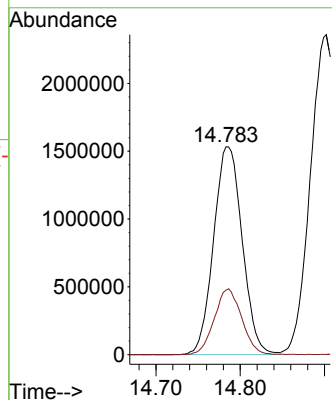
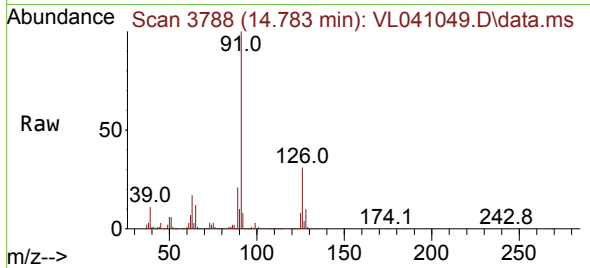




#71
2-Chlorotoluene
Concen: 7.808 ppbv
RT: 14.783 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

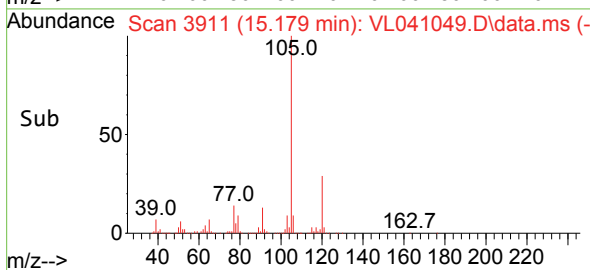
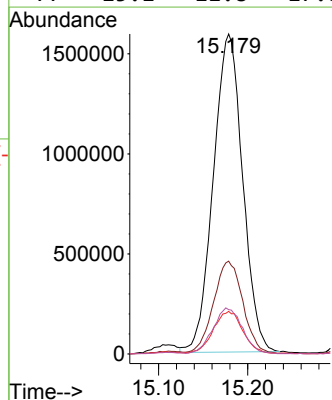
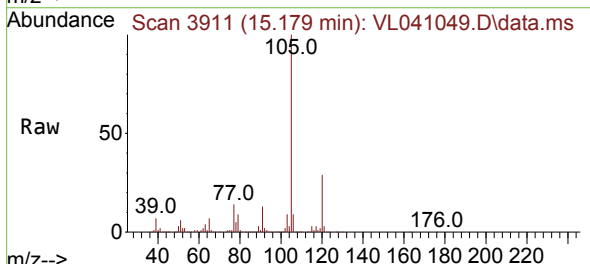
Instrument :
MSVOA_L
ClientSampleId :

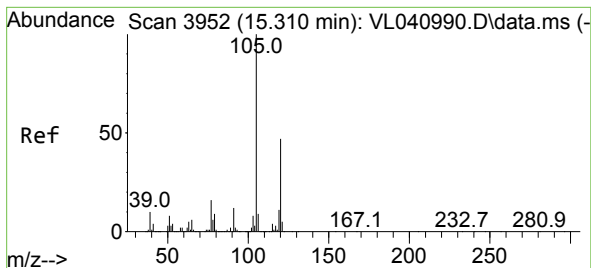
Tgt Ion: 91 Resp: 3611196
Ion Ratio Lower Upper
91 100
126 30.4 12.3 49.1



#72
4-Ethyltoluene
Concen: 8.038 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. 0.000 min
Lab File: VL041049.D
Acq: 9 Feb 2024 8:59

Tgt Ion:105 Resp: 3638489
Ion Ratio Lower Upper
105 100
120 30.4 24.3 36.5
91 13.6 11.0 16.4
77 15.1 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 7.835 ppbv

RT: 15.336 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

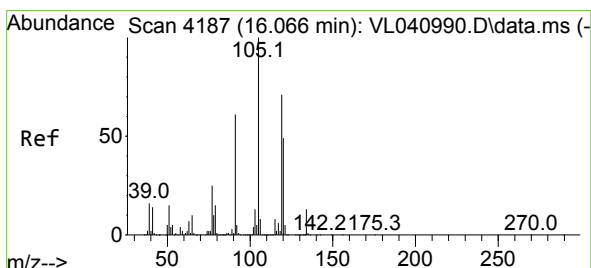
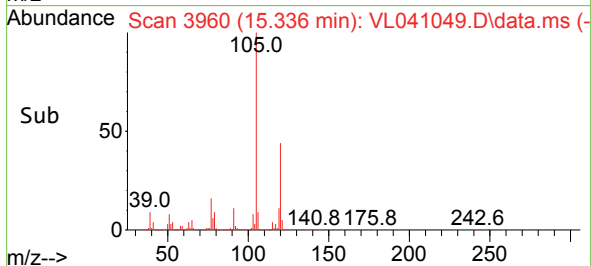
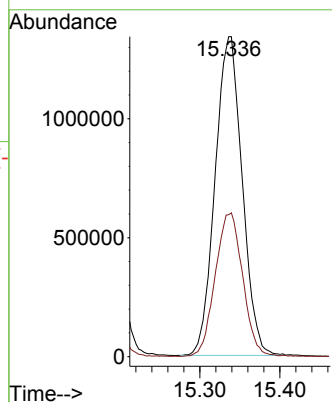
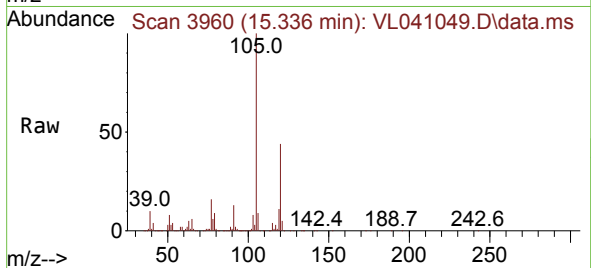
ClientSampleId :

Tgt Ion:105 Resp: 3147822

Ion Ratio Lower Upper

105 100

120 44.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 7.641 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Tgt Ion:105 Resp: 3479999

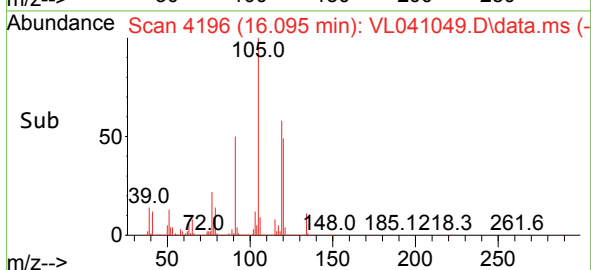
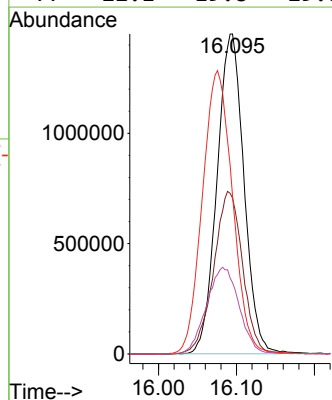
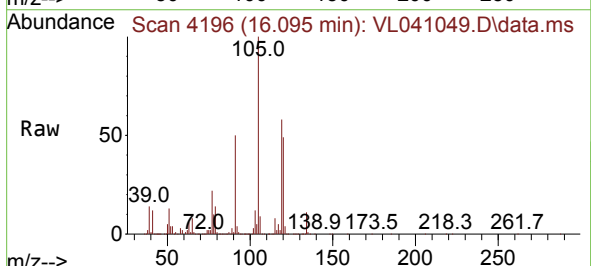
Ion Ratio Lower Upper

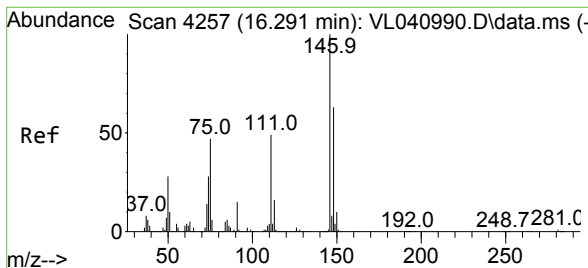
105 100

120 48.5 39.3 58.9

91 49.1 48.7 73.1

77 22.1 19.8 29.8





#75

1,3-Dichlorobenzene

Concen: 7.751 ppbv

RT: 16.314 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

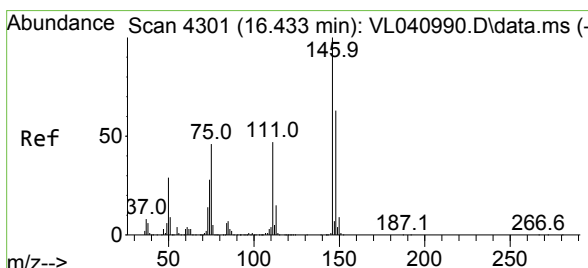
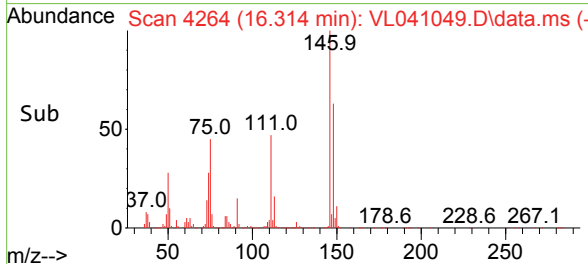
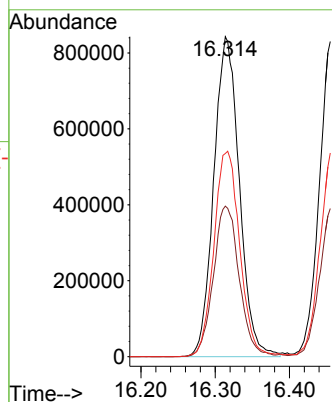
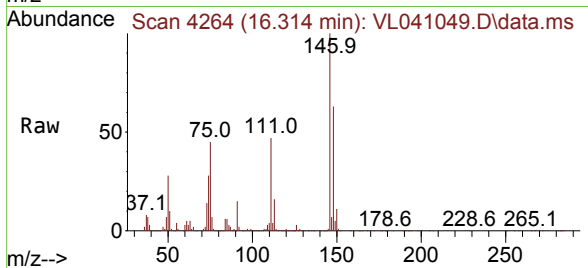
Tgt Ion:146 Resp: 2009040

Ion Ratio Lower Upper

146 100

111 48.0 24.4 73.2

148 65.4 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 7.769 ppbv

RT: 16.458 min Scan# 4309

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

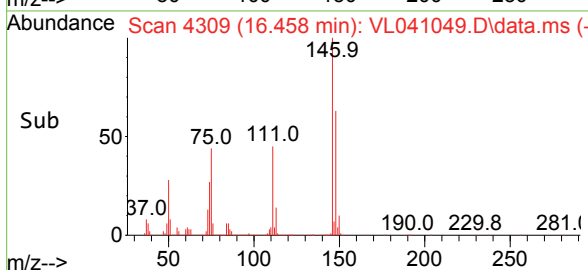
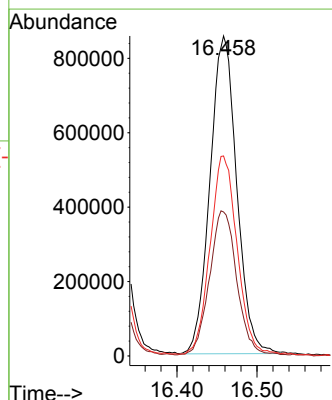
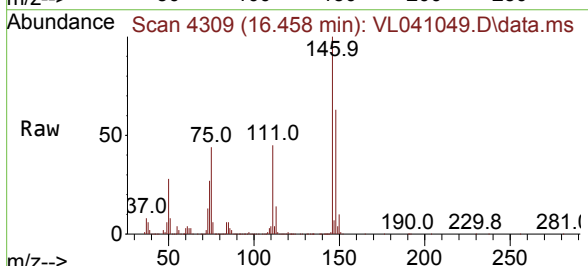
Tgt Ion:146 Resp: 1987050

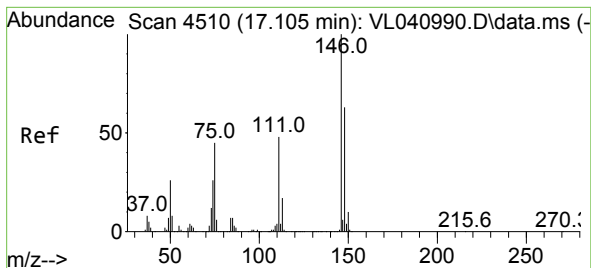
Ion Ratio Lower Upper

146 100

111 47.1 24.0 72.0

148 64.4 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 7.618 ppbv

RT: 17.127 min Scan# 4517

Delta R.T. 0.000 min

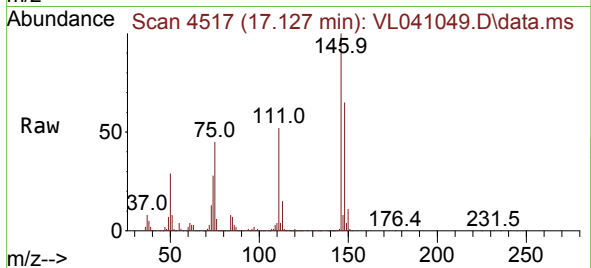
Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :



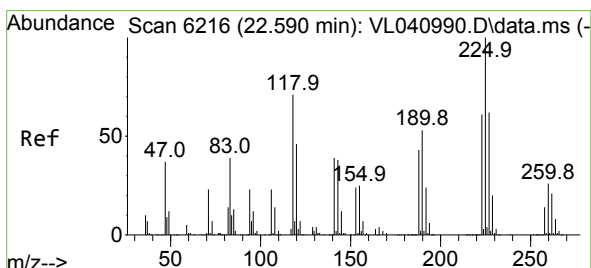
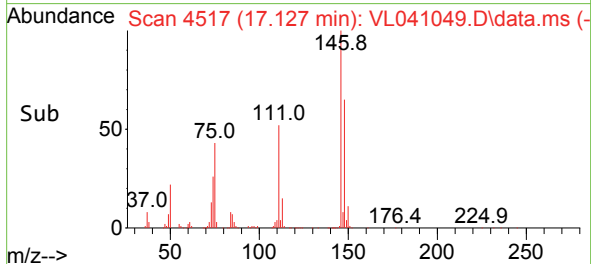
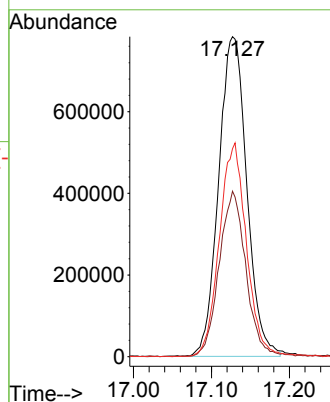
Tgt Ion:146 Resp: 1962631

Ion Ratio Lower Upper

146 100

111 49.9 24.8 74.3

148 64.8 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 6.720 ppbv

RT: 22.616 min Scan# 6224

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

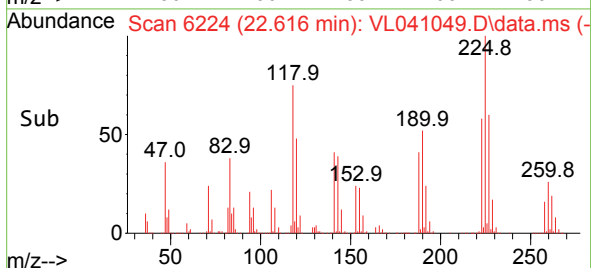
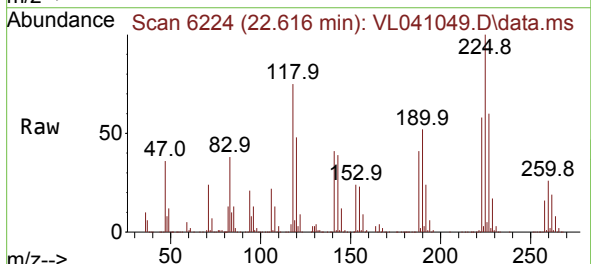
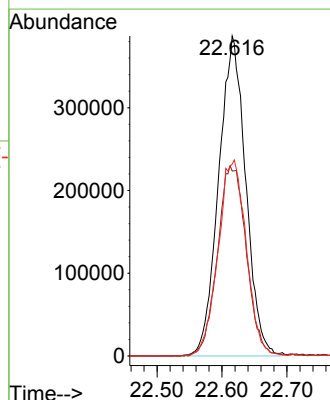
Tgt Ion:225 Resp: 1116445

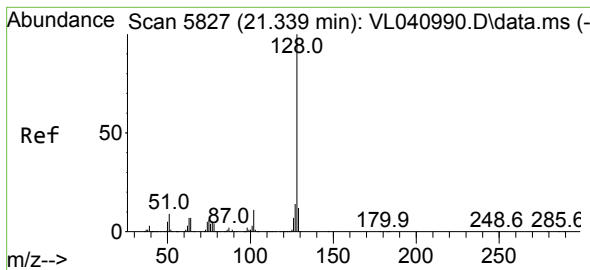
Ion Ratio Lower Upper

225 100

223 63.8 51.1 76.7

227 63.8 51.0 76.4





#79

Naphthalene

Concen: 9.555 ppbv

RT: 21.371 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

Instrument :

MSVOA_L

ClientSampleId :

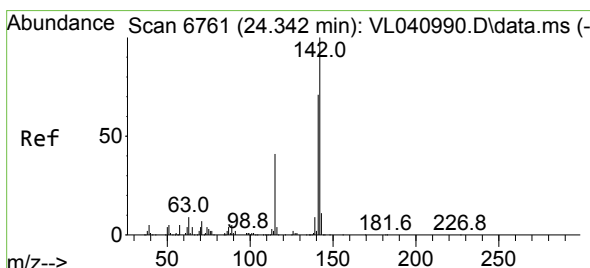
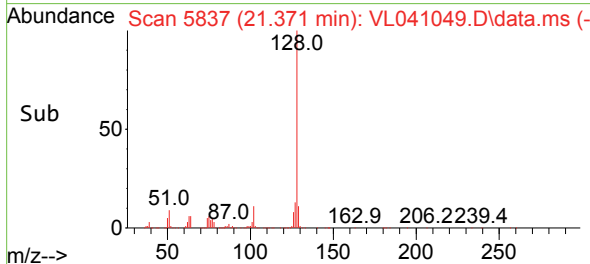
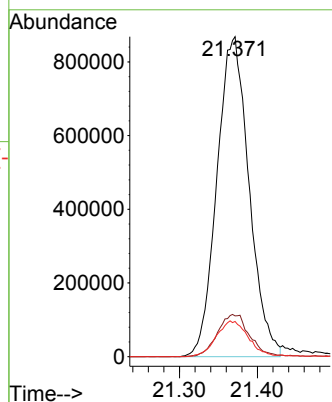
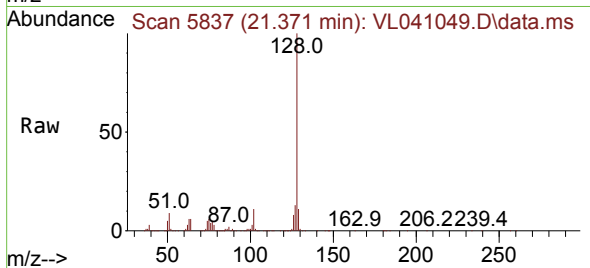
Tgt Ion:128 Resp: 2482313

Ion Ratio Lower Upper

128 100

127 12.7 10.9 16.3

129 11.0 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 11.477 ppbv

RT: 24.365 min Scan# 6768

Delta R.T. 0.000 min

Lab File: VL041049.D

Acq: 9 Feb 2024 8:59

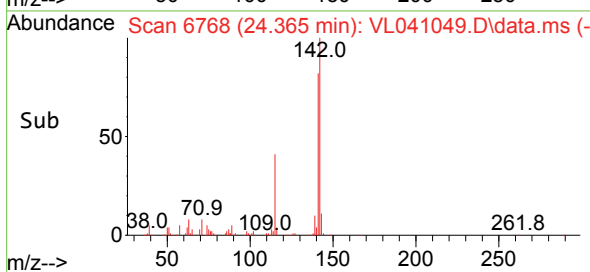
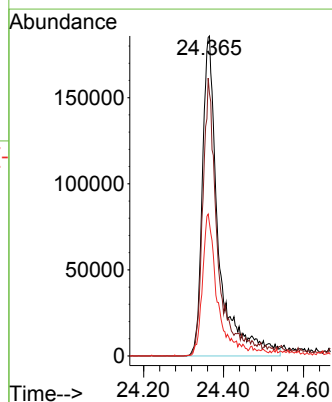
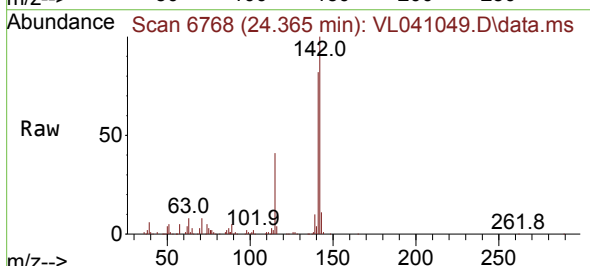
Tgt Ion:142 Resp: 523713

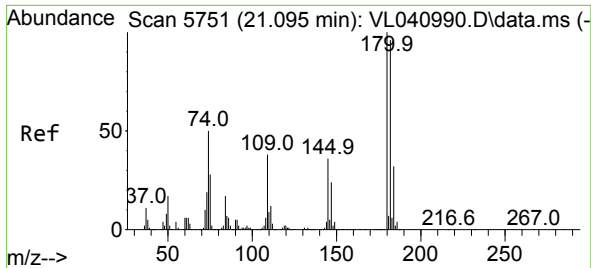
Ion Ratio Lower Upper

142 100

141 81.6 62.7 94.1

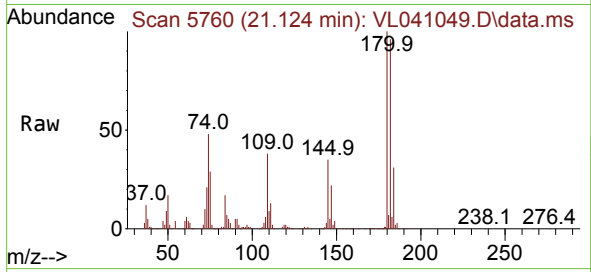
115 43.1 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 8.145 ppbv
 RT: 21.124 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041049.D
 Acq: 9 Feb 2024 8:59

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1234676

Ion	Ratio	Lower	Upper
180	100		
182	99.0	78.6	118.0
184	30.5	24.4	36.6

