

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041838.D
 Acq On : 07 Jan 2025 09:18
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 08 00:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 07 13:48:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	97717	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	232315	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	198370	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	178169	10.487	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	144187	8.993	ppbv	100
3) Chlorodifluoromethane	1.479	51	136457	8.907	ppbv	100
4) Chloromethane	1.538	50	59602	9.040	ppbv	100
5) Vinyl Chloride	1.586	62	54824	8.244	ppbv	100
6) Bromomethane	1.674	94	25634	8.999	ppbv	100
7) Chloroethane	1.709	64	21958	8.578	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	126162	9.120	ppbv	100
9) Propene	1.489	41	48251	9.047	ppbv	99
10) Heptane	5.004	43	148658	11.283	ppbv	100
11) Trichlorofluoromethane	1.884	101	146982	9.015	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	110744	9.121	ppbv	100
13) Ethanol	1.729	45	3176	5.234	ppbv	98
14) Bromoethene	1.787	108	36921	9.288	ppbv	100
15) Acetone	1.842	43	132708	7.377	ppbv	100
16) 1,3-Butadiene	1.612	39	62332	8.836	ppbv	100
17) tert-Butyl alcohol	2.049	59	142263	9.126	ppbv	100
18) 1,1-Dichloroethene	2.043	96	46359	9.119	ppbv	100
19) Isopropyl Alcohol	1.894	45	67181	7.955	ppbv	100
20) Methylene Chloride	2.068	84	40886	7.950	ppbv	100
21) Allyl Chloride	2.104	41	88727	9.574	ppbv	100
22) trans-1,2-Dichloroethene	2.350	96	51671	9.094	ppbv	100
23) Vinyl Acetate	2.473	43	51668	8.955	ppbv	100
24) 1,1-Dichloroethane	2.418	63	113332	9.114	ppbv	100
25) Ethyl Acetate	2.845	43	301260	9.986	ppbv	100
26) Hexane	2.839	57	110574	10.560	ppbv	100
27) Carbon Disulfide	2.159	76	104642	10.530	ppbv	100
28) Methyl tert-Butyl Ether	2.450	73	73317	9.291	ppbv	100
29) Chloroform	2.861	83	173414	8.915	ppbv	100
30) Cyclohexane	3.875	84	87356	10.996	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	105358	9.776	ppbv	100
32) 1,1,1-Trichloroethane	3.383	97	164630	9.339	ppbv	100
34) 2-Butanone	2.567	43	170386	9.311	ppbv	100
35) Carbon Tetrachloride	3.781	117	171330	9.758	ppbv	100
36) Benzene	3.674	78	216013	9.733	ppbv	100
37) 1,2-Dichloroethane	3.230	62	138068	9.463	ppbv	100
38) Trichloroethene	4.570	130	81606	9.380	ppbv	100
39) 1,2-Dichloropropane	4.334	63	80487	9.375	ppbv	100
40) 1,4-Dioxane	4.606	88	34679	10.425	ppbv #	97
41) Tetrahydrofuran	3.069	42	91594	10.618	ppbv	100
42) Bromodichloromethane	4.512	83	172183	10.063	ppbv	100
43) Methyl Methacrylate	4.904	69	77566	11.130	ppbv	100
44) 2,2,4-Trimethylpentane	4.661	57	390617	10.683	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	70965	10.430	ppbv	100

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

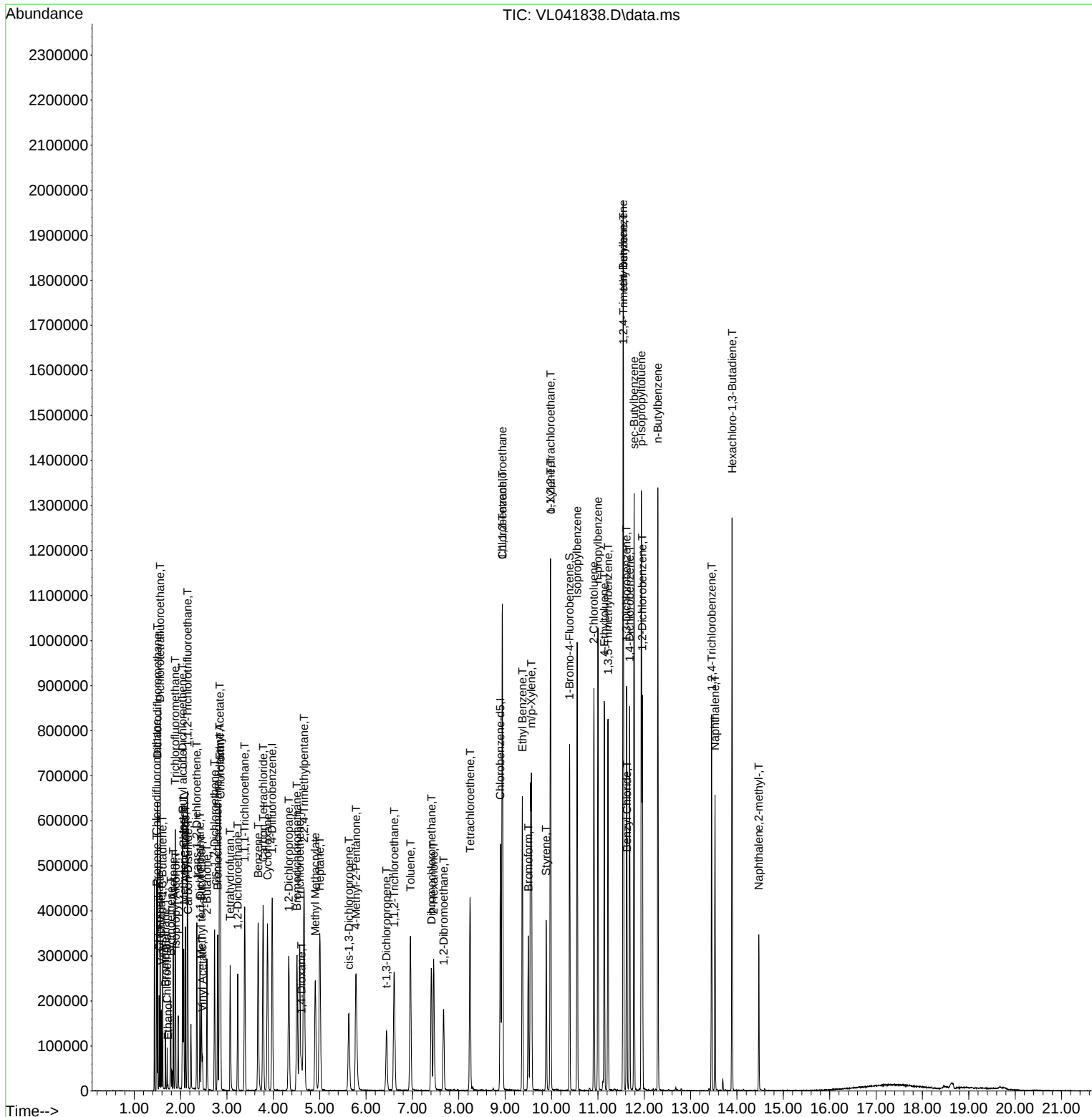
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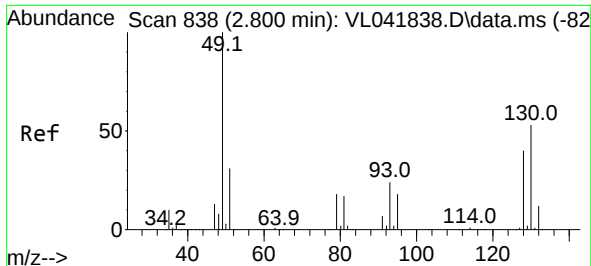
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 07 13:48:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	97612	10.905	ppbv	100
47) 1,1,2-Trichloroethane	6.606	97	84906	9.351	ppbv	100
48) Dibromochloromethane	7.409	129	124570	10.778	ppbv	100
49) Bromoform	9.500	173	101730	10.982	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	237056	11.212	ppbv	100
51) 2-Hexanone	7.457	43	190925	11.921	ppbv	100
52) Tetrachloroethene	8.244	164	67367	10.236	ppbv	100
53) Toluene	6.959	91	226694	11.464	ppbv	100
54) 1,2-Dibromoethane	7.674	107	110192	9.910	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	107276	9.488	ppbv	100
57) Chlorobenzene	8.940	112	193822	9.352	ppbv	100
58) Ethyl Benzene	9.370	91	325850	12.052	ppbv	100
59) m/p-Xylene	9.565	91	258205	10.820	ppbv #	18
60) o-Xylene	9.979	91	281728	12.136	ppbv	100
61) Styrene	9.885	104	112526	12.495	ppbv	100
62) Isopropylbenzene	10.552	105	417672	11.452	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	188048	9.238	ppbv	100
64) n-propylbenzene	11.002	120	109323	11.684	ppbv	100
65) tert-Butylbenzene	11.545	119	375903	11.438	ppbv	100
66) Benzyl Chloride	11.630	91	28370	10.329	ppbv	100
67) sec-Butylbenzene	11.782	105	541663	11.295	ppbv	100
69) p-Isopropyltoluene	11.937	119	449331	11.935	ppbv	100
70) n-Butylbenzene	12.293	91	444870	11.762	ppbv	100
71) 2-Chlorotoluene	10.914	91	310040	11.712	ppbv	100
72) 4-Ethyltoluene	11.138	105	339692	12.100	ppbv	100
73) 1,3,5-Trimethylbenzene	11.218	105	292453	11.894	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	326247	11.455	ppbv	100
75) 1,3-Dichlorobenzene	11.620	146	188321	9.880	ppbv	100
76) 1,4-Dichlorobenzene	11.685	146	186446	10.164	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	185674	9.347	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	120191	8.523	ppbv	100
79) Naphthalene	13.526	128	266390	12.698	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	79067	10.183	ppbv	100
81) 1,2,4-Trichlorobenzene	13.455	180	118002	10.148	ppbv	100

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

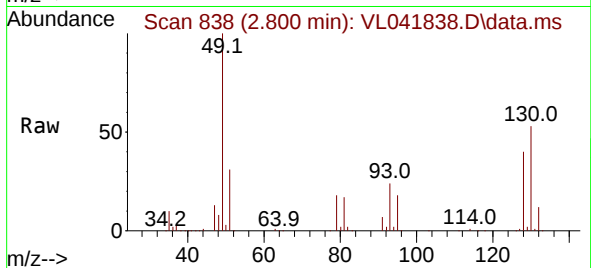
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QLast Update : Tue Jan 07 13:48:55 2025
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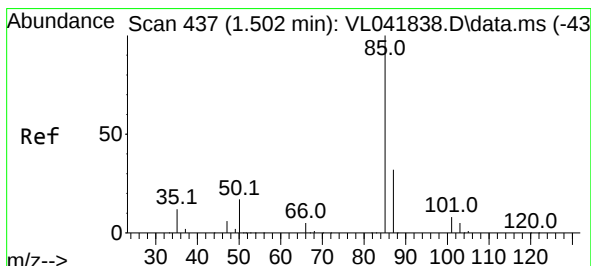
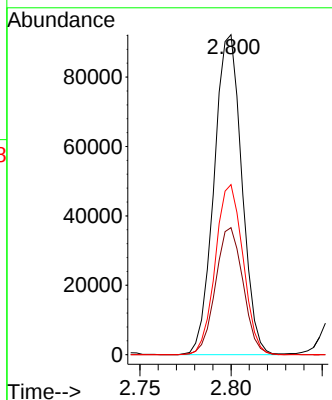
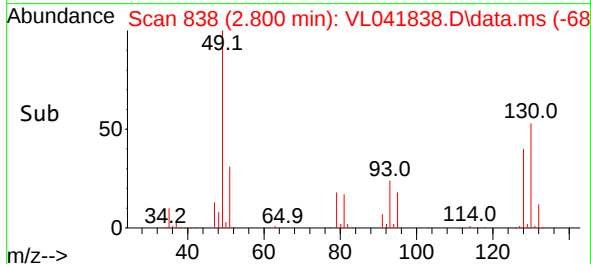


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 838
Delta R.T. -0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

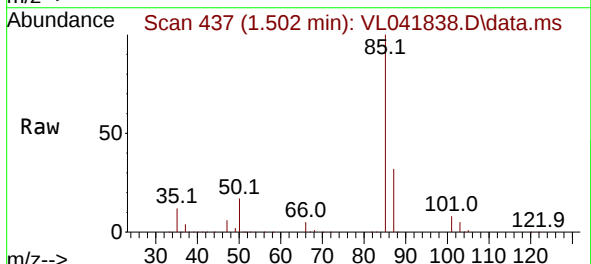
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MSVOA_L
ClientSampleId :



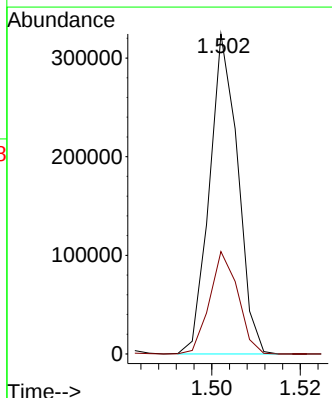
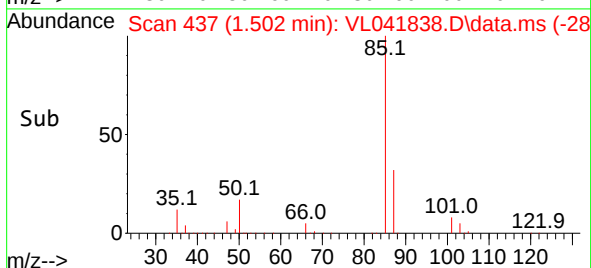
Tgt Ion: 49 Resp: 97717
Ion Ratio Lower Upper
49 100
128 39.4 19.7 59.1
130 52.8 26.4 79.2

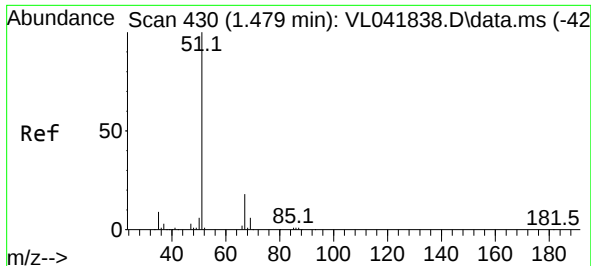


#2
Dichlorodifluoromethane
Concen: 8.993 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18



Tgt Ion: 85 Resp: 144187
Ion Ratio Lower Upper
85 100
87 32.0 25.6 38.4

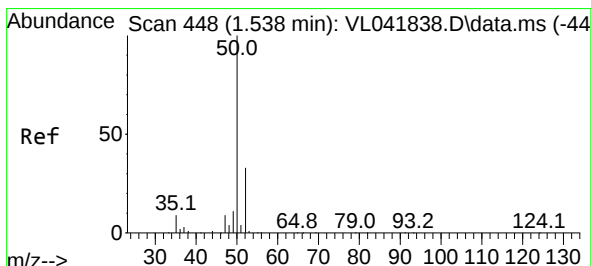
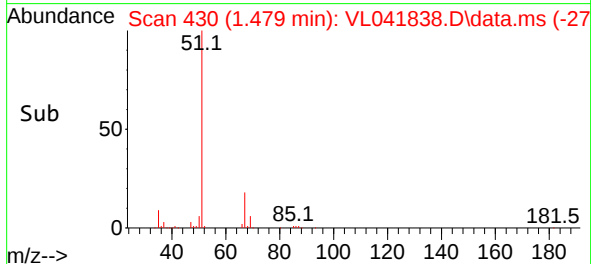
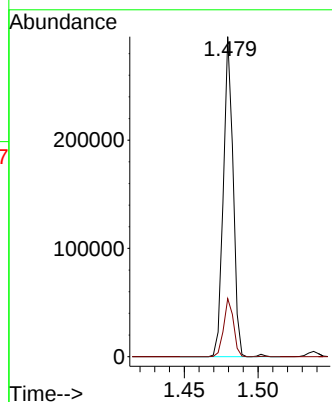
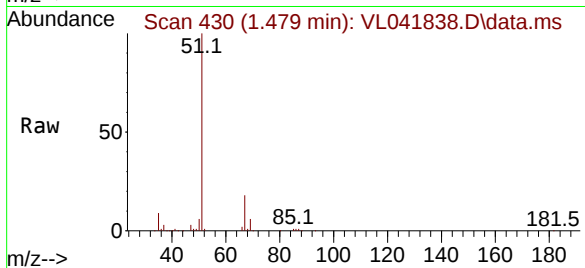




#3
Chlorodifluoromethane
Concen: 8.907 ppbv
RT: 1.479 min Scan# 430
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

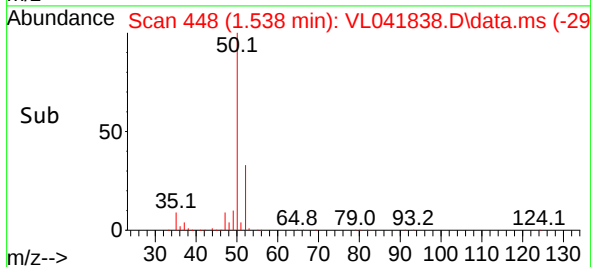
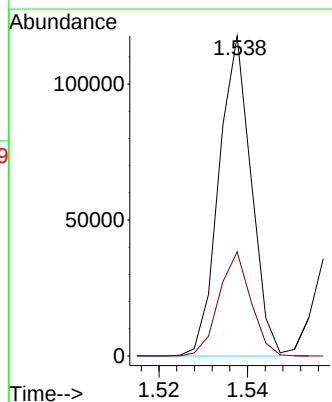
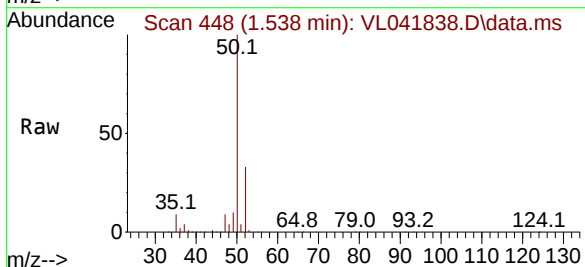
Instrument :
MSVOA_L
ClientSampleId :

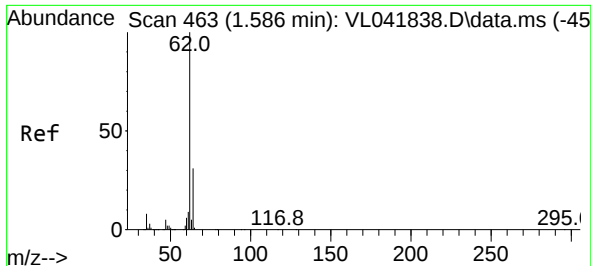
Tgt Ion: 51 Resp: 136457
Ion Ratio Lower Upper
51 100
67 18.3 14.6 22.0



#4
Chloromethane
Concen: 9.040 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 50 Resp: 59602
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1

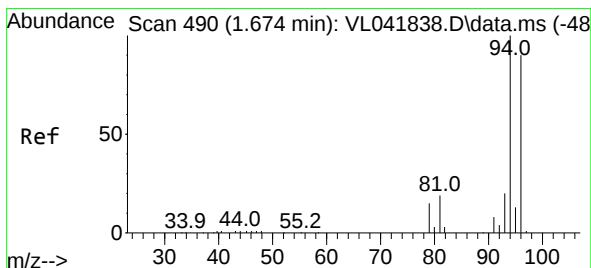
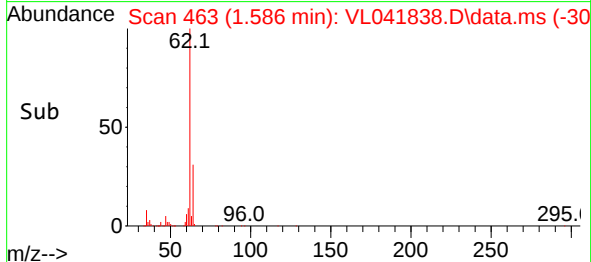
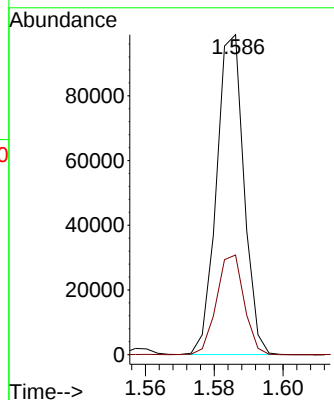
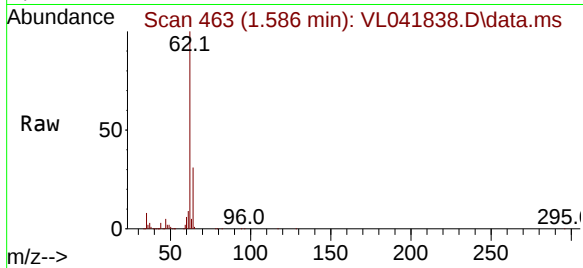




#5
 Vinyl Chloride
 Concen: 8.244 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

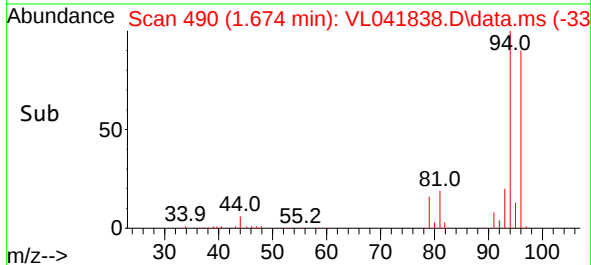
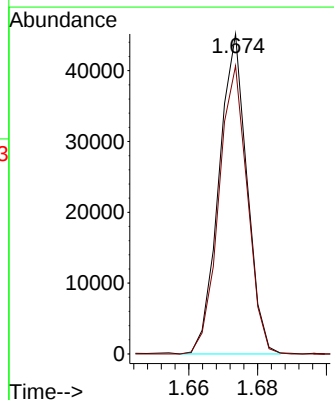
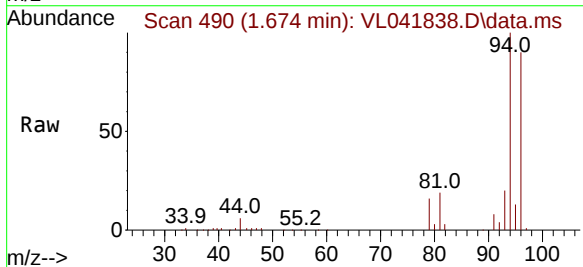
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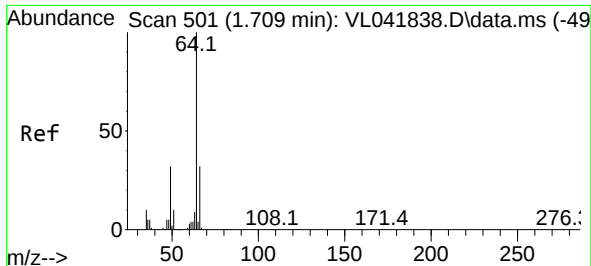
Tgt Ion: 62 Resp: 54824
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.9 37.3



#6
 Bromomethane
 Concen: 8.999 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion: 94 Resp: 25634
 Ion Ratio Lower Upper
 94 100
 96 90.0 72.0 108.0

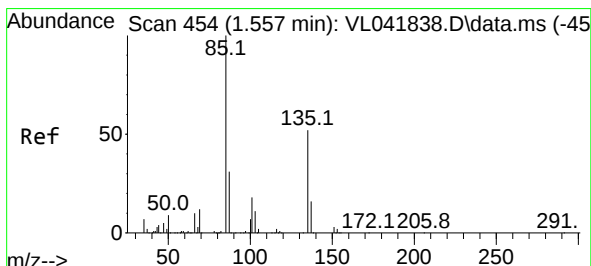
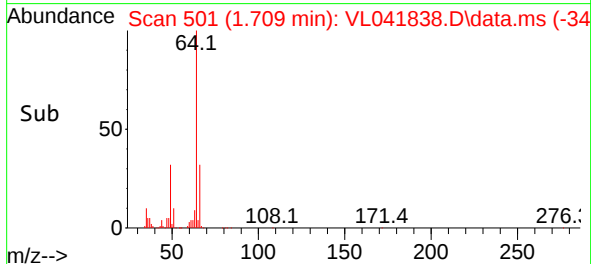
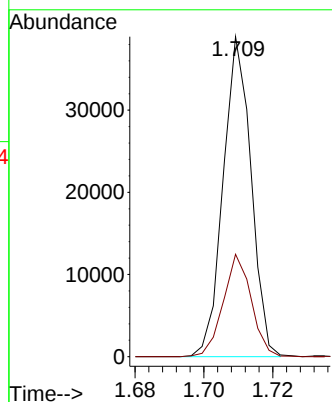
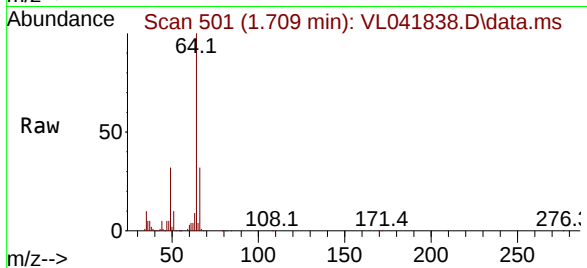




#7
Chloroethane
Concen: 8.578 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

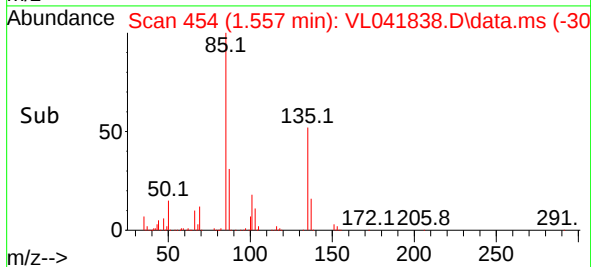
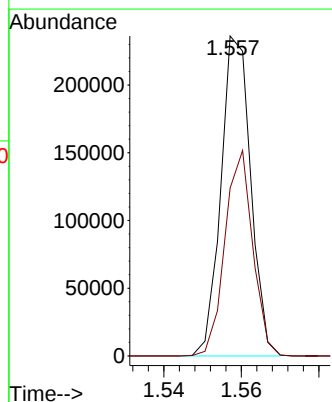
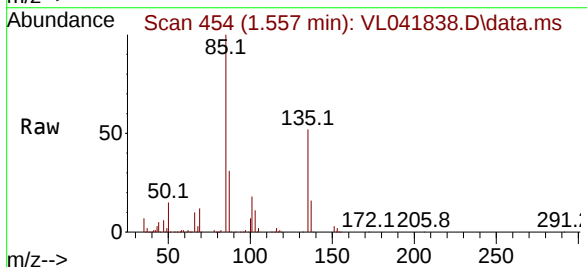
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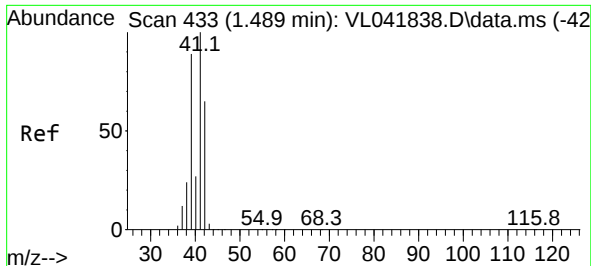
Tgt Ion: 64 Resp: 21958
Ion Ratio Lower Upper
64 100
66 32.0 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 9.120 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 85 Resp: 126162
Ion Ratio Lower Upper
85 100
135 59.9 47.9 71.9





#9

Propene

Concen: 9.047 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

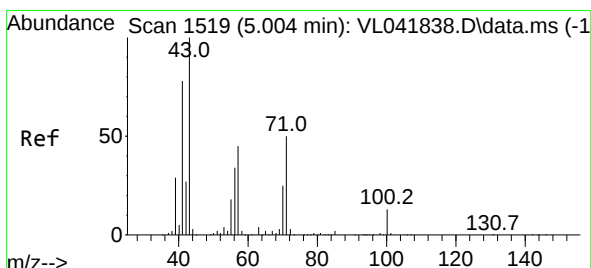
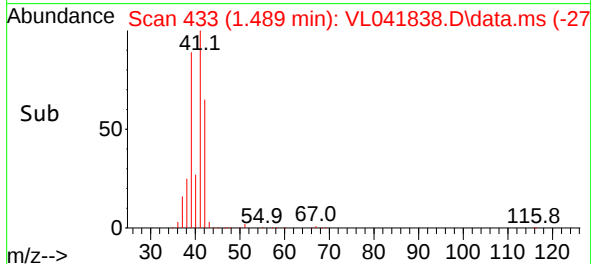
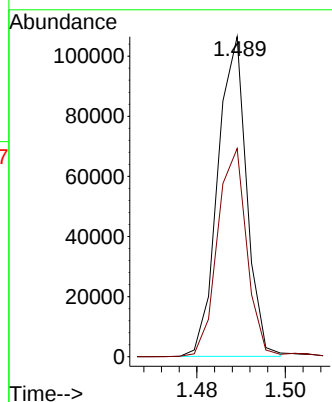
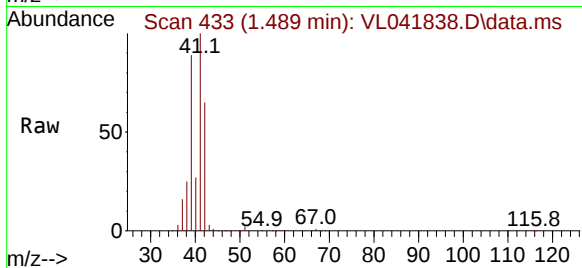
ClientSampleId :

Tgt Ion: 41 Resp: 48251

Ion Ratio Lower Upper

41 100

42 67.4 54.4 81.6



#10

Heptane

Concen: 11.283 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. 0.000 min

Lab File: VL041838.D

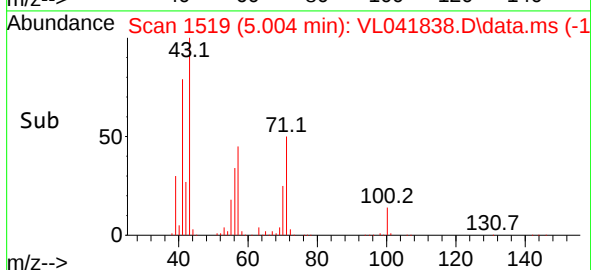
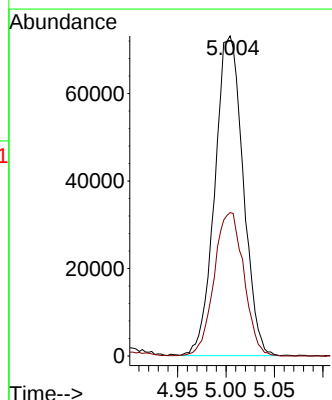
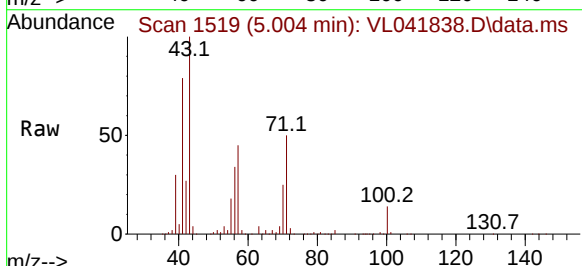
Acq: 07 Jan 2025 09:18

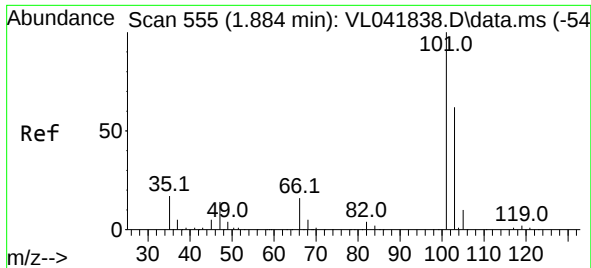
Tgt Ion: 43 Resp: 148658

Ion Ratio Lower Upper

43 100

57 47.2 37.8 56.6

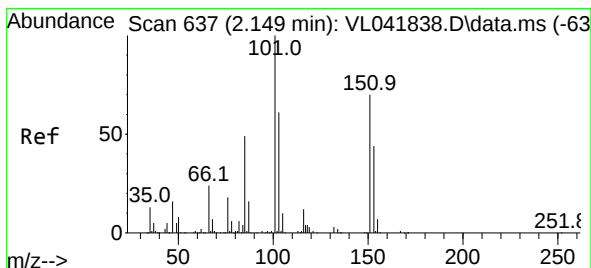
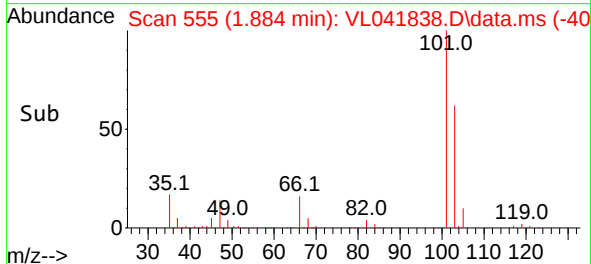
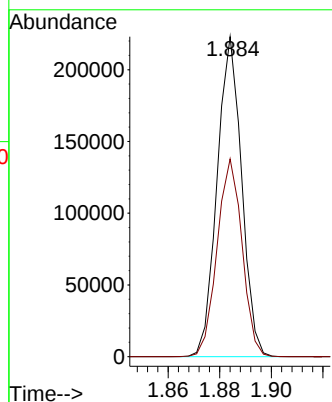
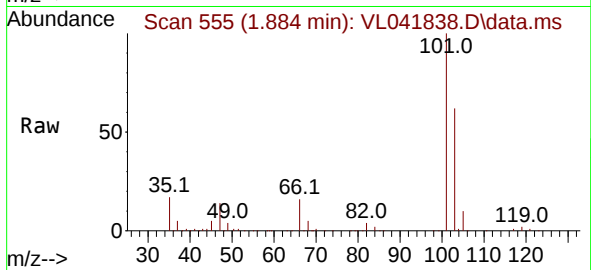




#11
 Trichlorofluoromethane
 Concen: 9.015 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

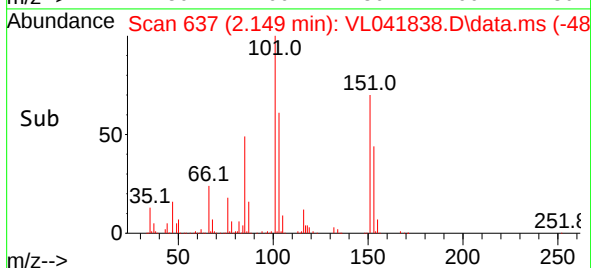
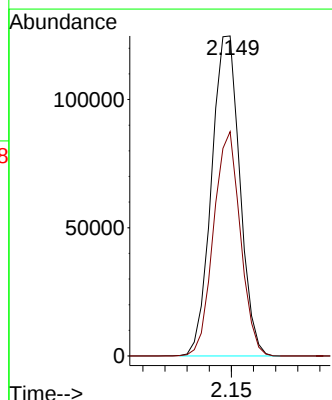
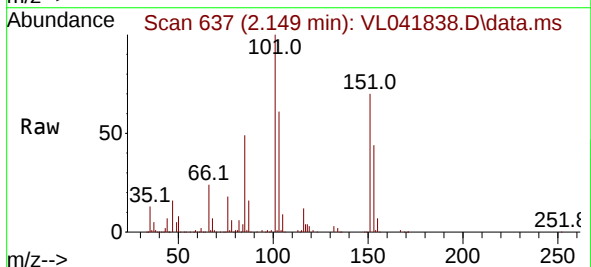
Instrument :
 MSVOA_L
 ClientSampleId :

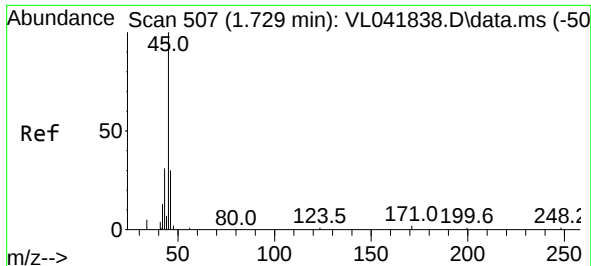
Tgt Ion:101 Resp: 146982
 Ion Ratio Lower Upper
 101 100
 103 61.7 49.4 74.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.121 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion:101 Resp: 110744
 Ion Ratio Lower Upper
 101 100
 151 66.5 53.2 79.8

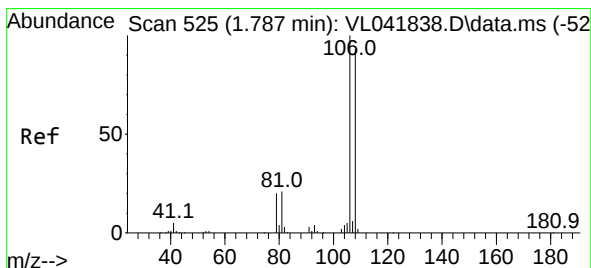
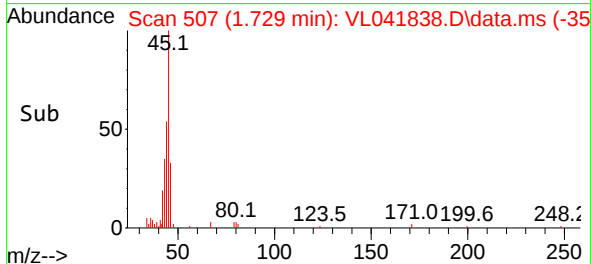
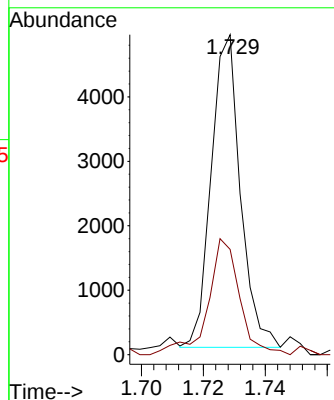
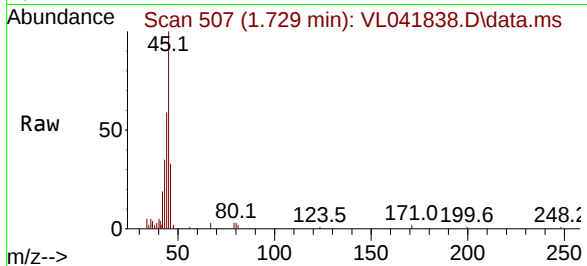




#13
Ethanol
Concen: 5.234 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

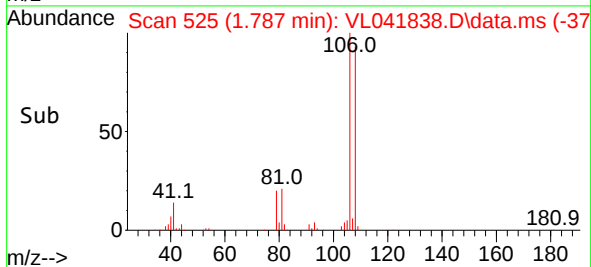
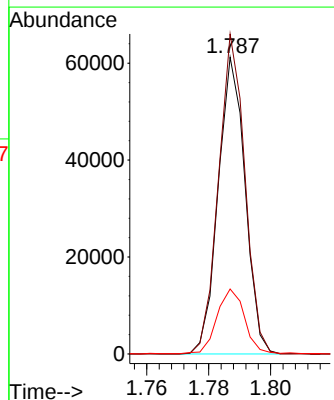
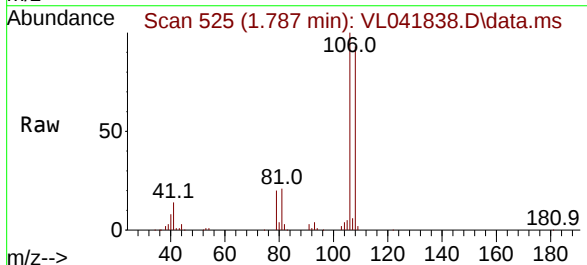
Instrument :
MSVOA_L
ClientSampleId :

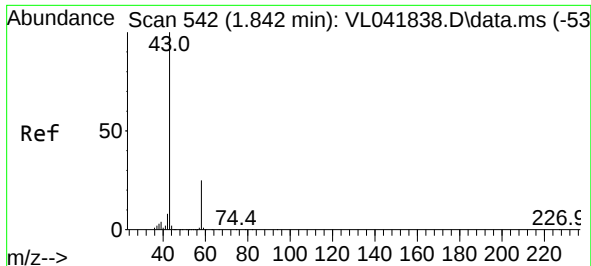
Tgt Ion: 45 Resp: 3176
Ion Ratio Lower Upper
45 100
46 41.4 16.1 64.5



#14
Bromoethene
Concen: 9.288 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 108 Resp: 36921
Ion Ratio Lower Upper
108 100
106 105.7 84.6 126.8
79 22.9 18.3 27.5

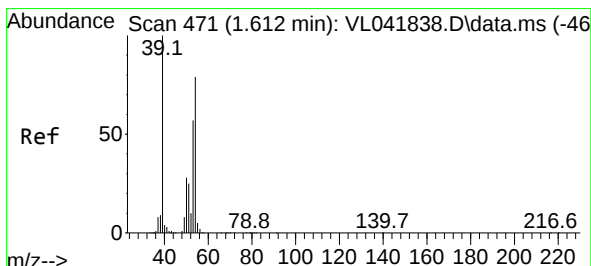
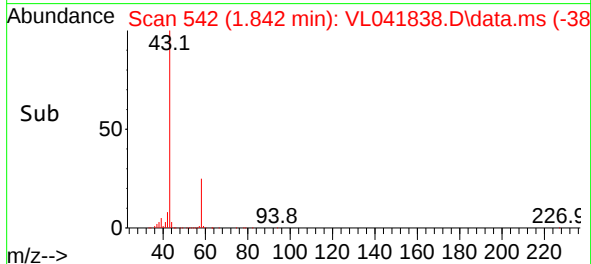
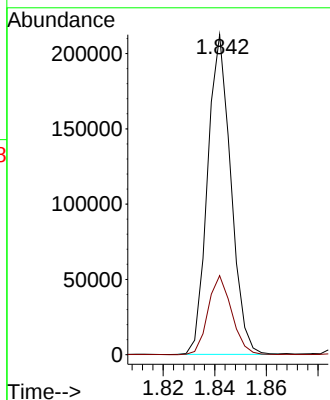
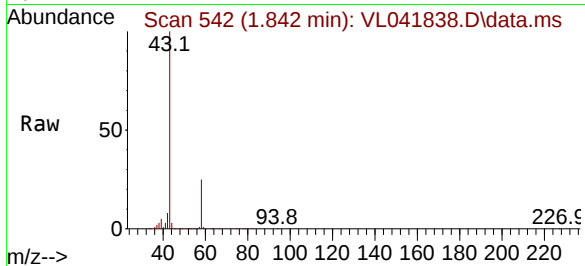




#15
Acetone
Concen: 7.377 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

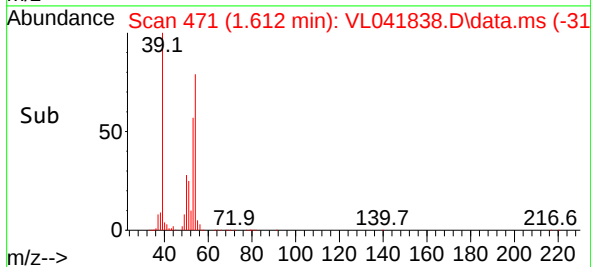
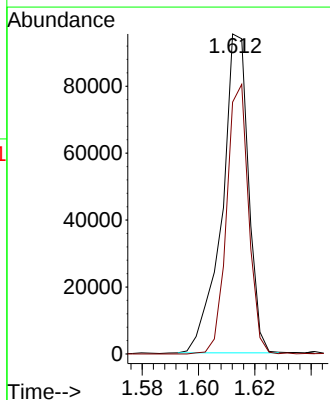
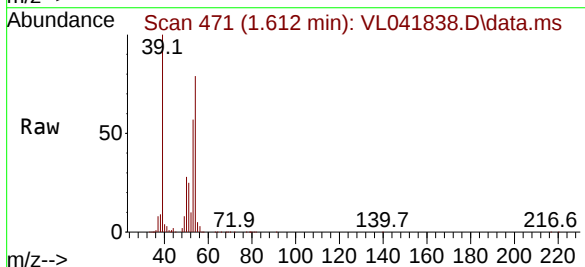
Instrument :
MSVOA_L
ClientSampleId :

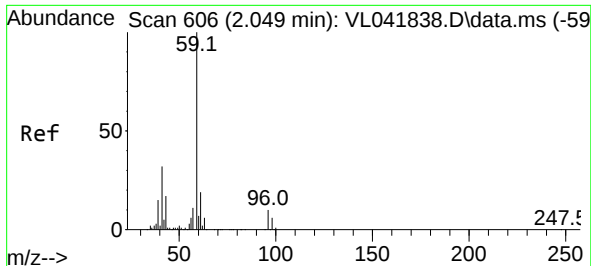
Tgt Ion: 43 Resp: 132708
Ion Ratio Lower Upper
43 100
58 25.3 20.2 30.2



#16
1,3-Butadiene
Concen: 8.836 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 39 Resp: 62332
Ion Ratio Lower Upper
39 100
54 70.3 56.2 84.4





#17

tert-Butyl alcohol

Concen: 9.126 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

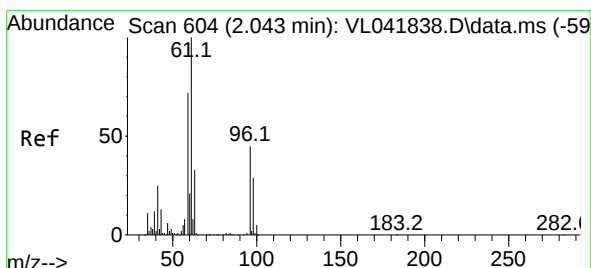
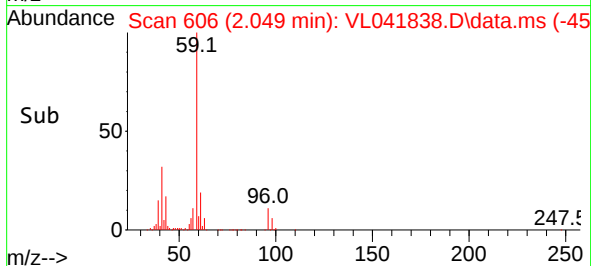
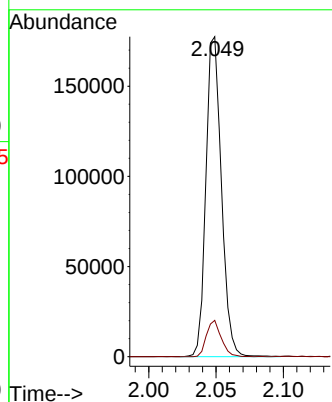
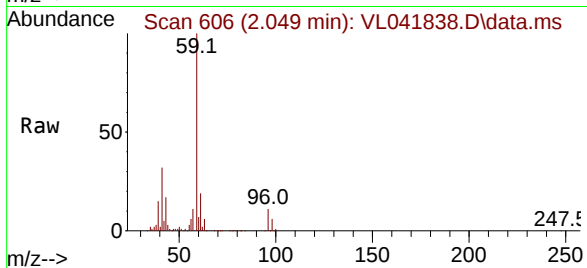
ClientSampleId :

Tgt Ion: 59 Resp: 142263

Ion Ratio Lower Upper

59 100

57 10.8 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.119 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

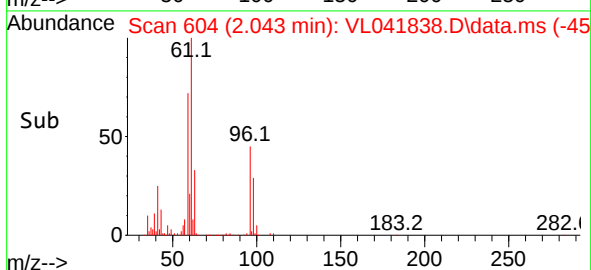
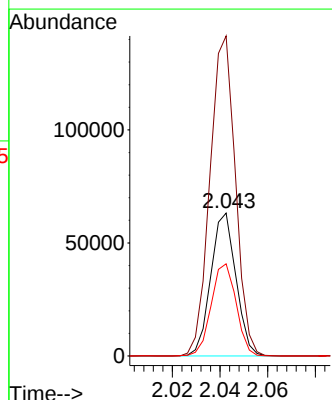
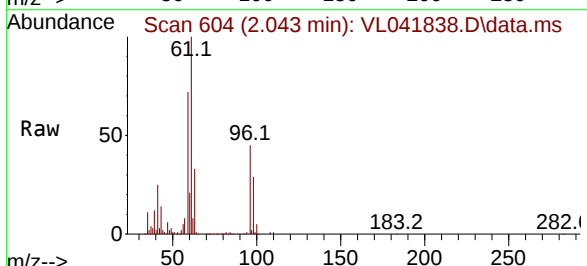
Tgt Ion: 96 Resp: 46359

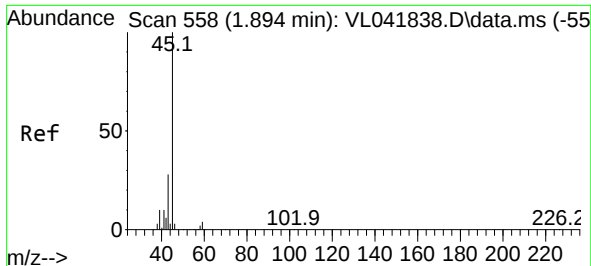
Ion Ratio Lower Upper

96 100

61 224.0 179.2 268.8

98 64.5 51.6 77.4

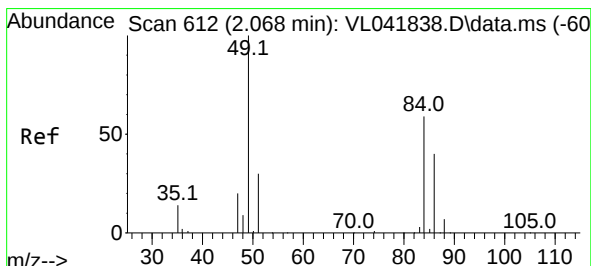
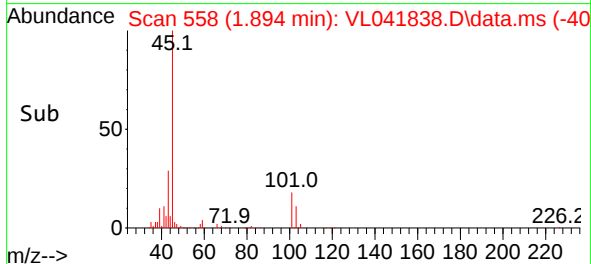
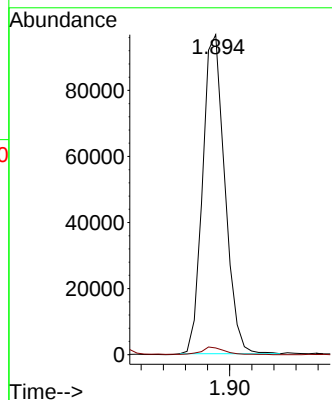
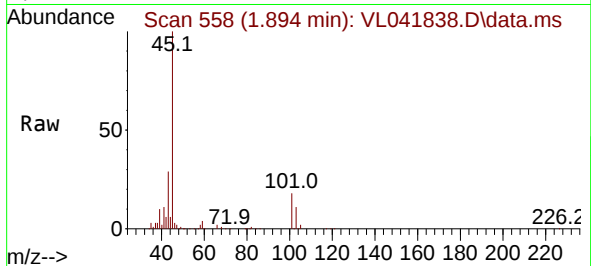




#19
Isopropyl Alcohol
Concen: 7.955 ppbv
RT: 1.894 min Scan# 519
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

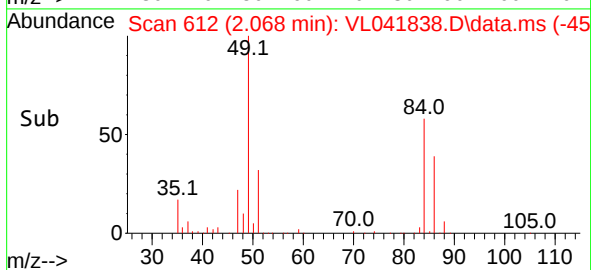
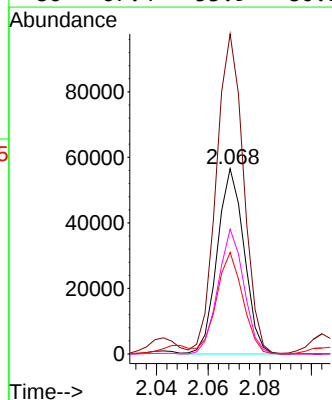
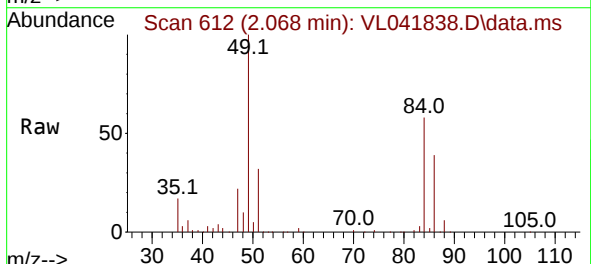
Instrument :
MSVOA_L
ClientSampleId :

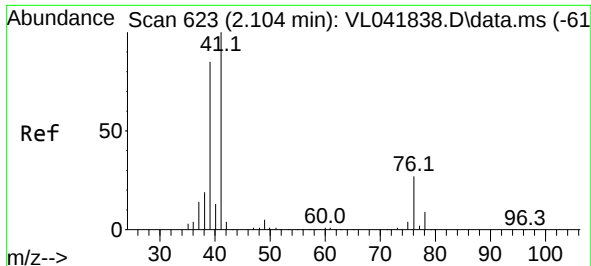
Tgt Ion: 45 Resp: 67181
Ion Ratio Lower Upper
45 100
58 2.6 2.0 3.0



#20
Methylene Chloride
Concen: 7.950 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 84 Resp: 40886
Ion Ratio Lower Upper
84 100
49 172.3 137.8 206.8
51 54.9 43.9 65.9
86 67.4 53.9 80.9

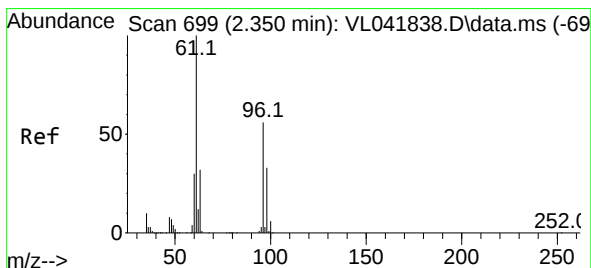
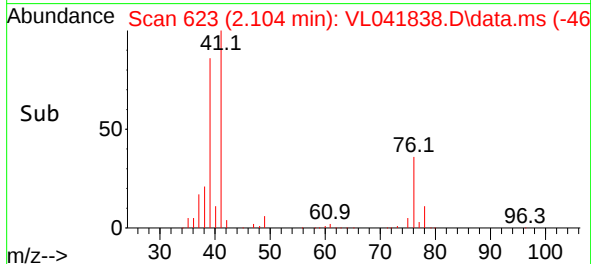
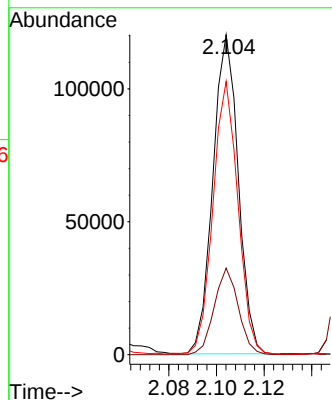
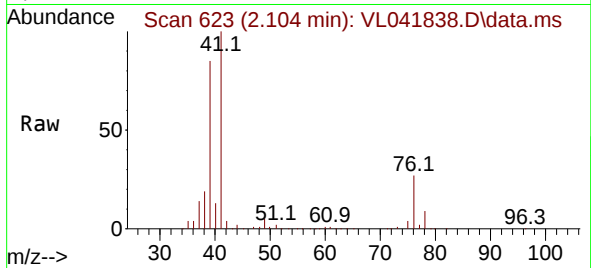




#21
 Allyl Chloride
 Concen: 9.574 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

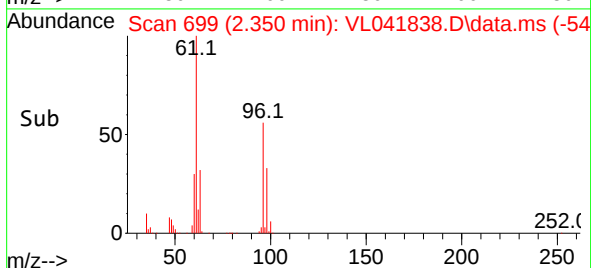
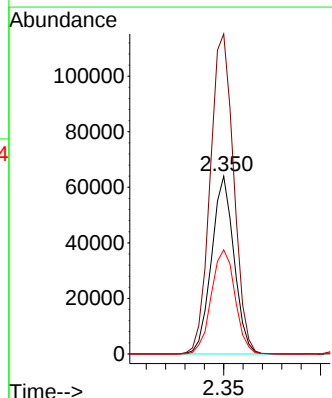
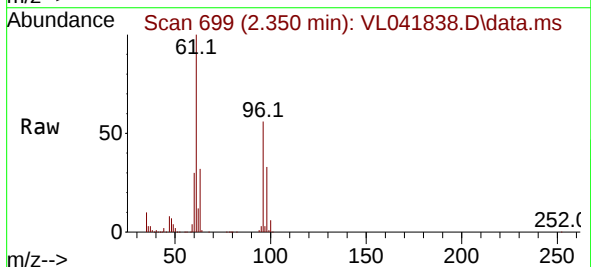
Instrument :
 MSVOA_L
 ClientSampleId :

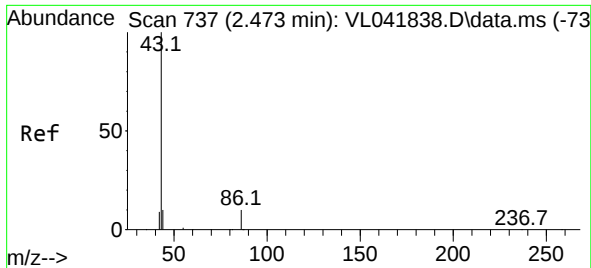
Tgt Ion: 41 Resp: 88727
 Ion Ratio Lower Upper
 41 100
 76 25.8 20.6 31.0
 39 83.8 67.4 101.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.094 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion: 96 Resp: 51671
 Ion Ratio Lower Upper
 96 100
 61 180.0 144.0 216.0
 98 58.6 46.9 70.3

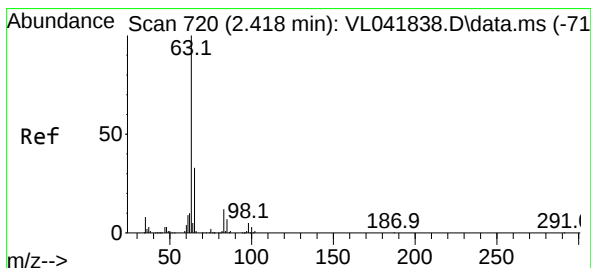
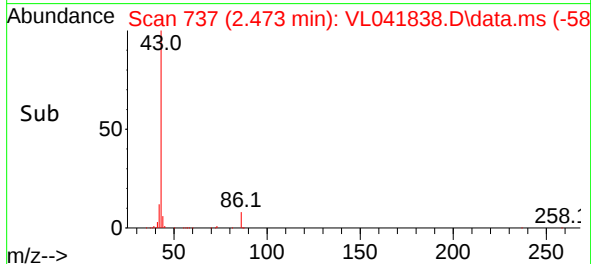
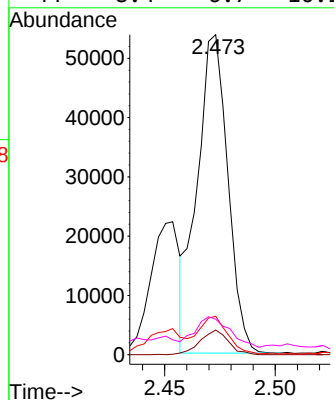
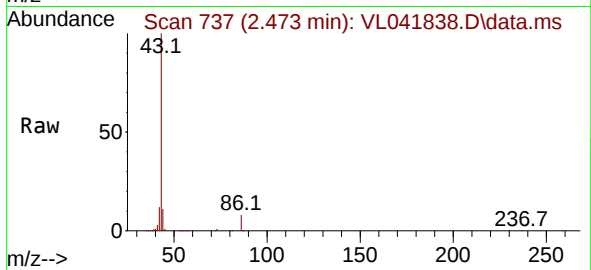




#23
 Vinyl Acetate
 Concen: 8.955 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

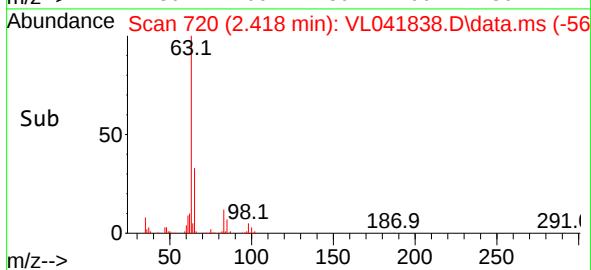
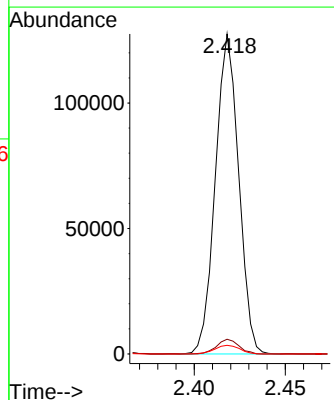
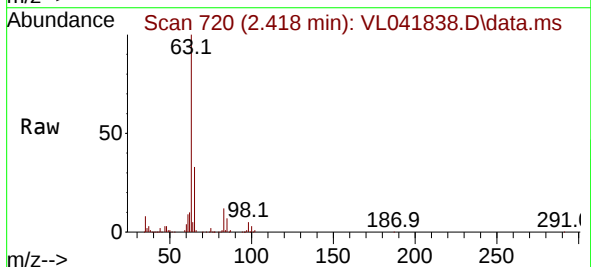
Instrument :
 MSVOA_L
 ClientSampleId :

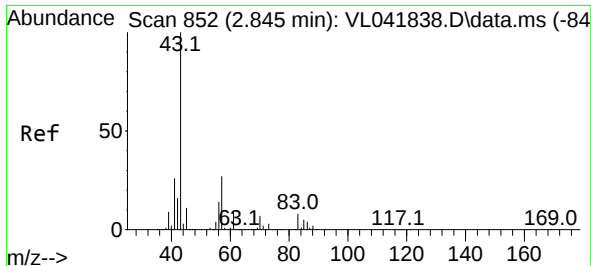
Tgt Ion: 43	Resp: 51668
Ion Ratio	Lower Upper
43 100	
86 8.0	6.4 9.6
42 11.9	9.5 14.3
44 8.4	6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 9.114 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion: 63	Resp: 113332
Ion Ratio	Lower Upper
63 100	
98 4.6	2.3 6.9
100 2.7	1.4 4.0



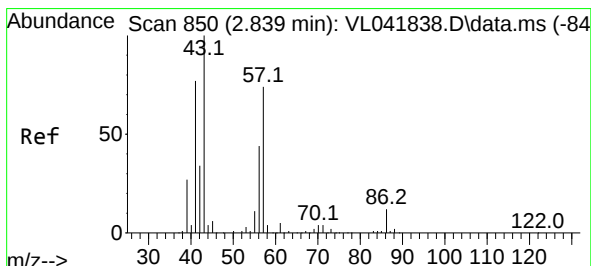
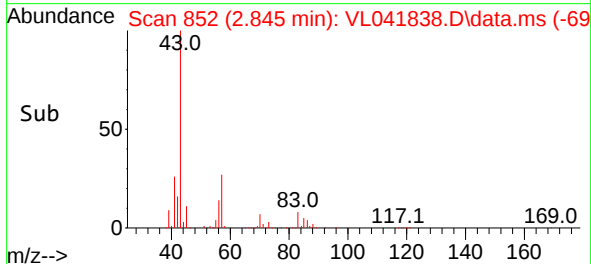
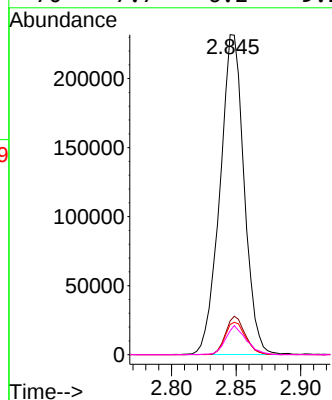
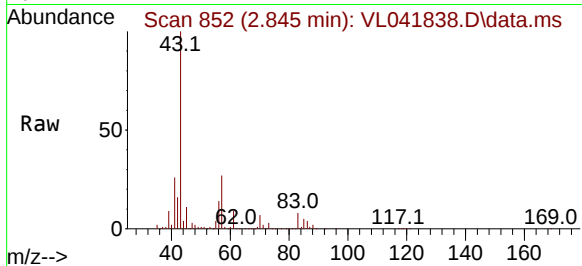


#25
Ethyl Acetate
Concen: 9.986 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 301260

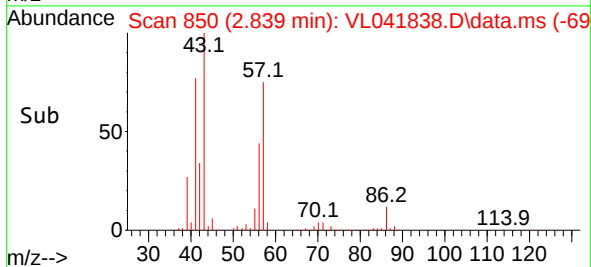
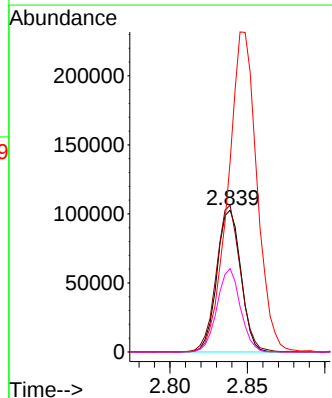
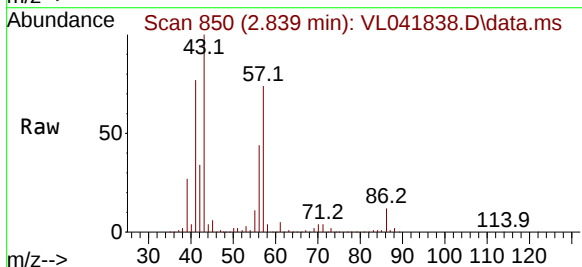
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	8.8	7.0	10.6
70	7.7	6.2	9.2

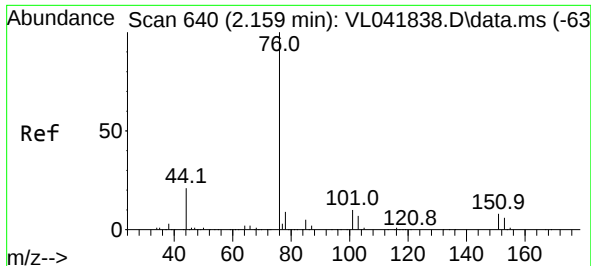


#26
Hexane
Concen: 10.560 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 57 Resp: 110574

Ion	Ratio	Lower	Upper
57	100		
41	105.0	84.1	126.1
43	273.0	218.4	327.6
56	57.1	45.7	68.5





#27

Carbon Disulfide

Concen: 10.530 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

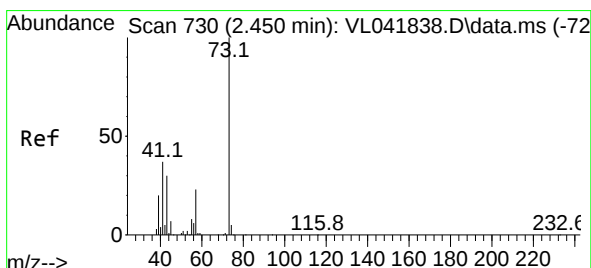
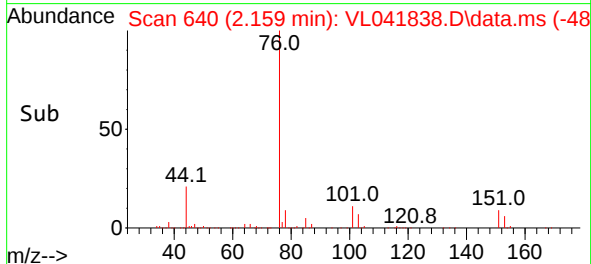
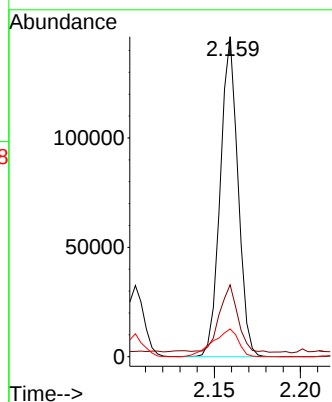
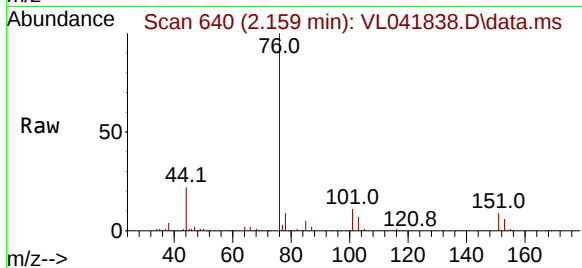
Tgt Ion: 76 Resp: 104642

Ion Ratio Lower Upper

76 100

44 24.8 19.8 29.8

78 12.3 9.8 14.8



#28

Methyl tert-Butyl Ether

Concen: 9.291 ppbv

RT: 2.450 min Scan# 730

Delta R.T. 0.000 min

Lab File: VL041838.D

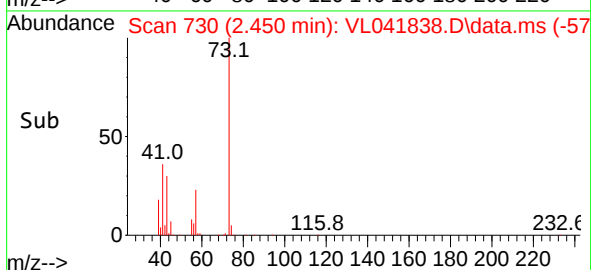
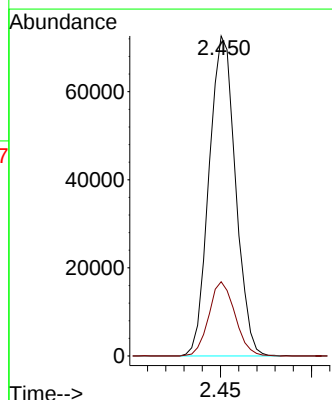
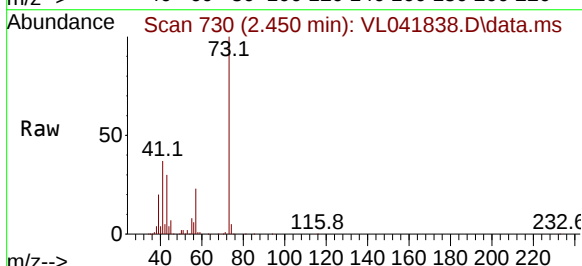
Acq: 07 Jan 2025 09:18

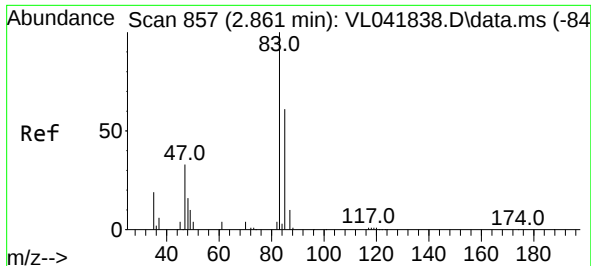
Tgt Ion: 73 Resp: 73317

Ion Ratio Lower Upper

73 100

57 23.0 18.4 27.6





#29

Chloroform

Concen: 8.915 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

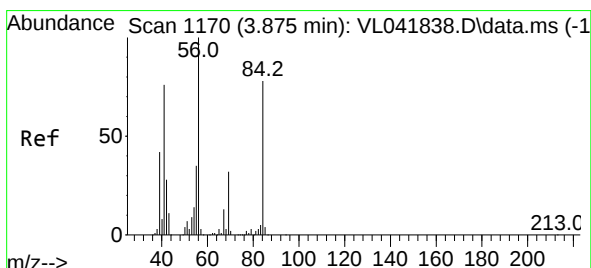
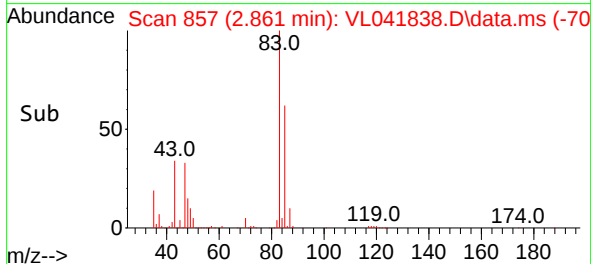
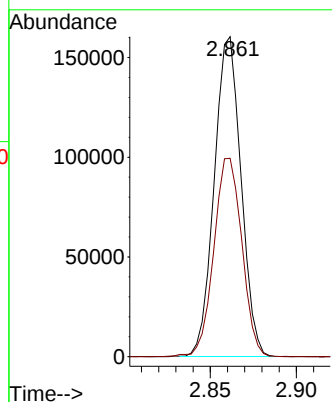
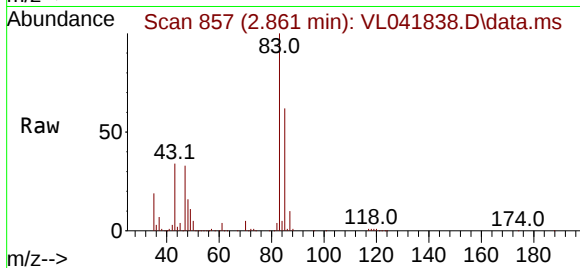
ClientSampleId :

Tgt Ion: 83 Resp: 173414

Ion Ratio Lower Upper

83 100

85 62.0 49.6 74.4



#30

Cyclohexane

Concen: 10.996 ppbv

RT: 3.875 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

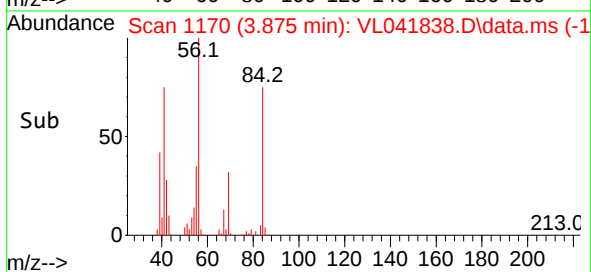
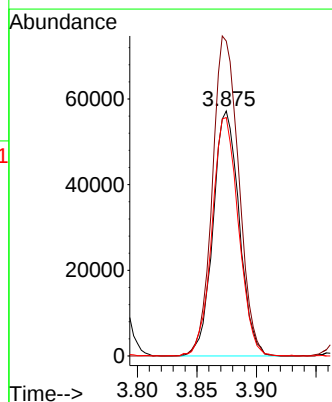
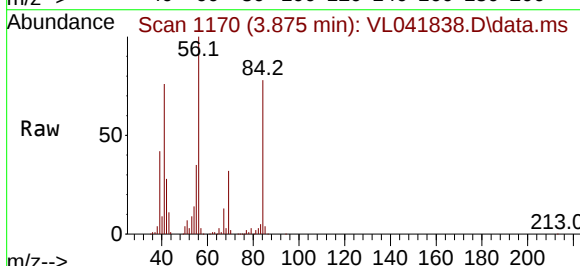
Tgt Ion: 84 Resp: 87356

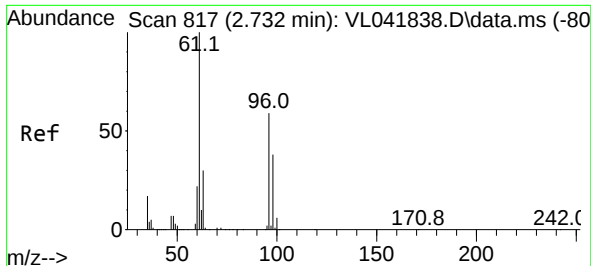
Ion Ratio Lower Upper

84 100

56 131.3 105.0 157.6

41 98.6 78.9 118.3

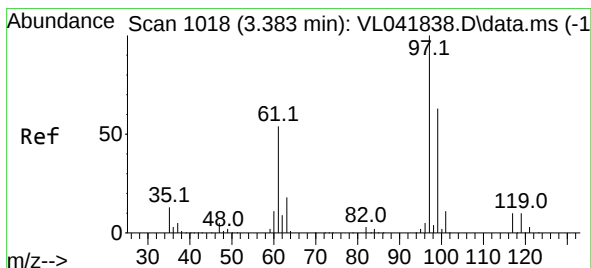
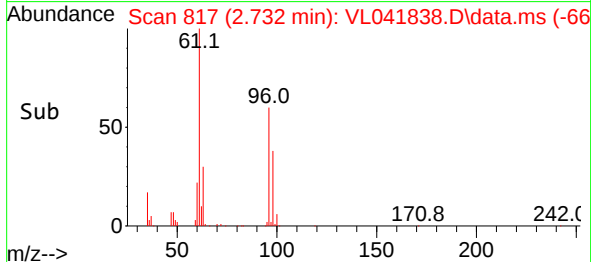
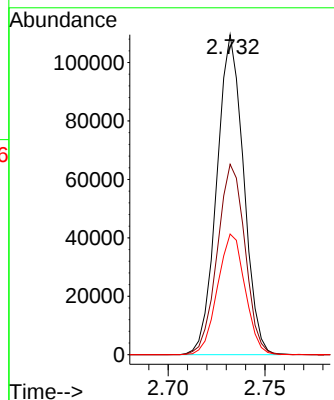
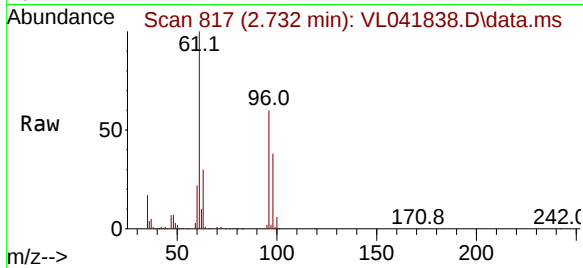




#31
 cis-1,2-Dichloroethene
 Concen: 9.776 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

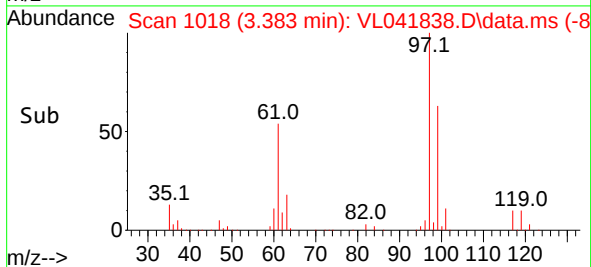
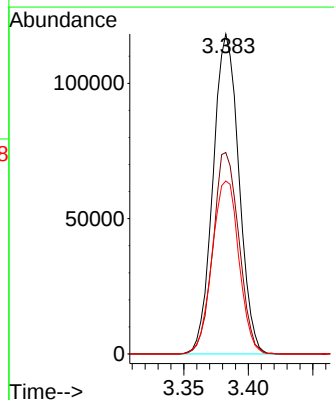
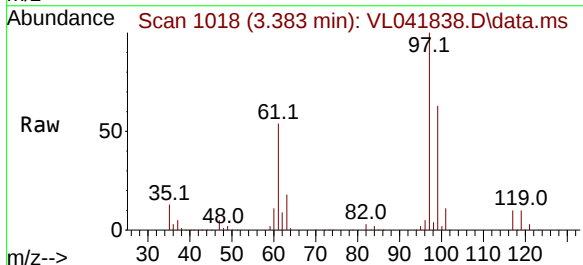
Instrument :
 MSVOA_L
 ClientSampleId :

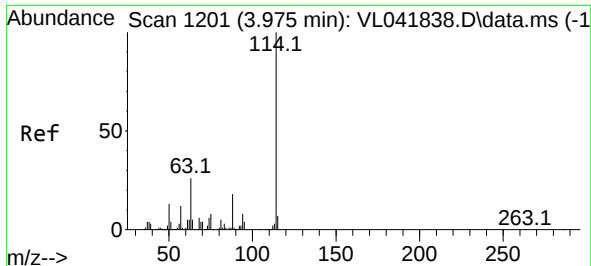
Tgt Ion: 61 Resp: 105358
 Ion Ratio Lower Upper
 61 100
 96 59.5 47.6 71.4
 98 37.7 30.2 45.2



#32
 1,1,1-Trichloroethane
 Concen: 9.339 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion: 97 Resp: 164630
 Ion Ratio Lower Upper
 97 100
 99 63.3 50.6 76.0
 61 56.3 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

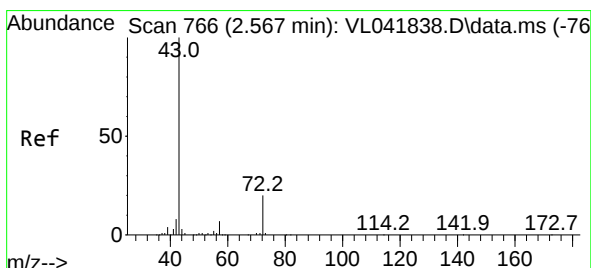
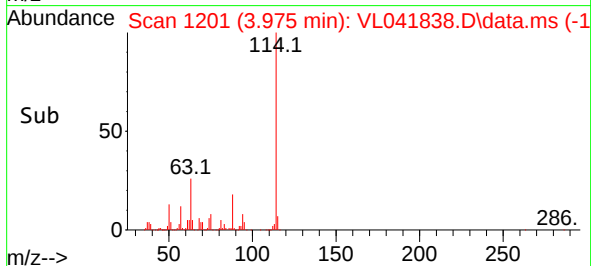
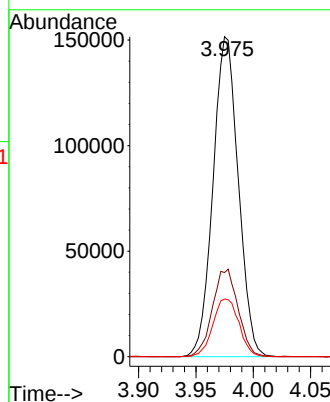
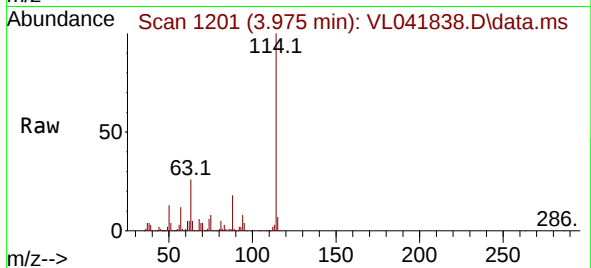
Tgt Ion:114 Resp: 232315

Ion Ratio Lower Upper

114 100

63 27.9 22.3 33.5

88 18.6 14.9 22.3



#34

2-Butanone

Concen: 9.311 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL041838.D

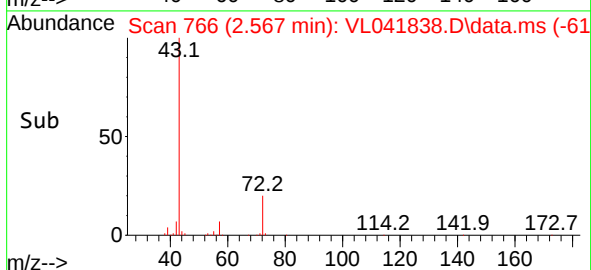
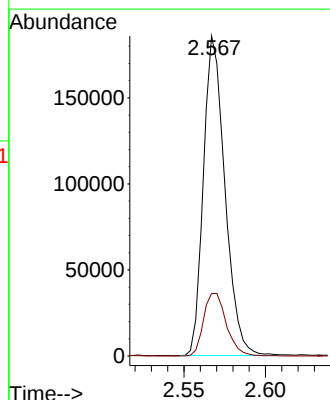
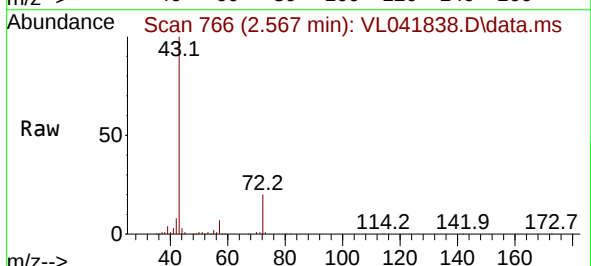
Acq: 07 Jan 2025 09:18

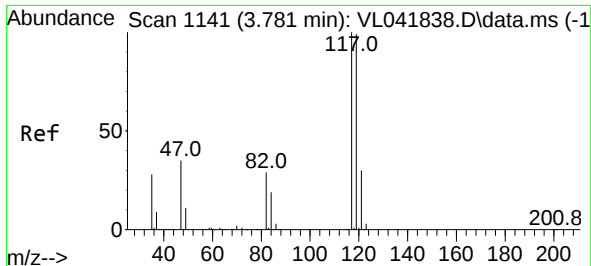
Tgt Ion: 43 Resp: 170386

Ion Ratio Lower Upper

43 100

72 20.8 16.6 25.0

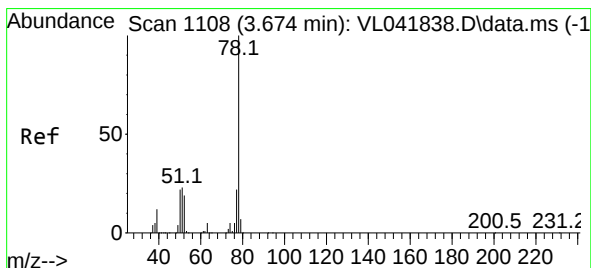
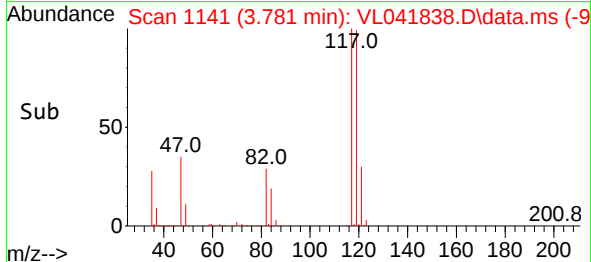
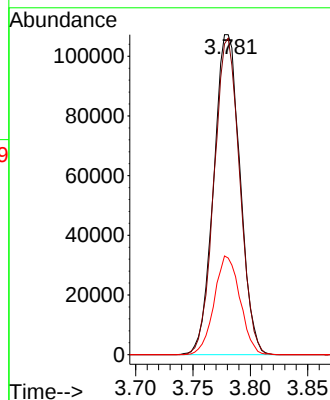
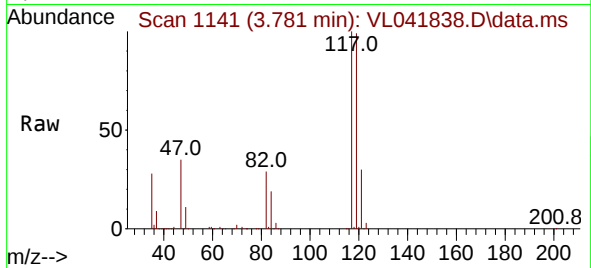




#35
Carbon Tetrachloride
Concen: 9.758 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

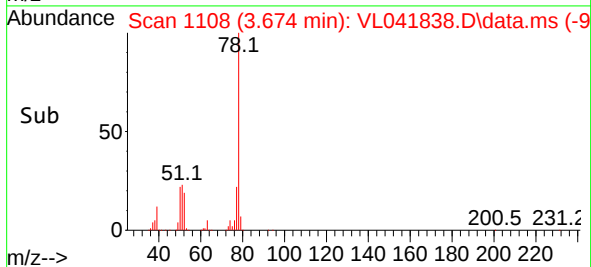
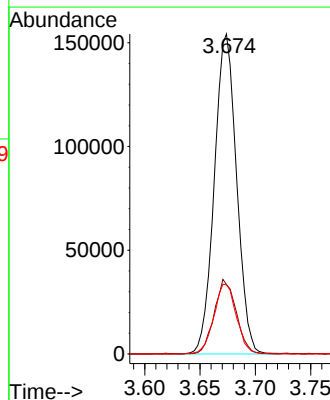
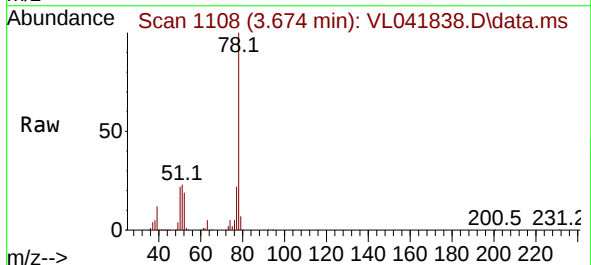
Instrument :
MSVOA_L
ClientSampleId :

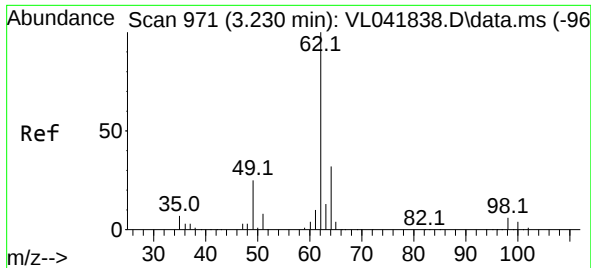
Tgt Ion:117 Resp: 171330
Ion Ratio Lower Upper
117 100
119 98.9 79.1 118.7
121 30.2 24.2 36.2



#36
Benzene
Concen: 9.733 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 78 Resp: 216013
Ion Ratio Lower Upper
78 100
77 21.7 17.4 26.0
50 21.6 17.3 25.9

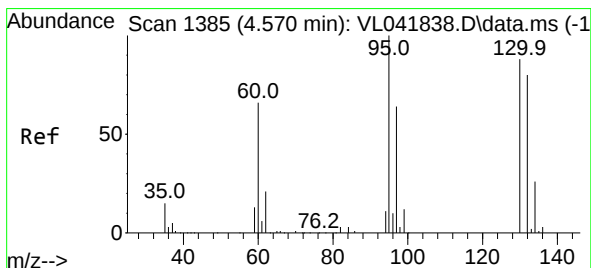
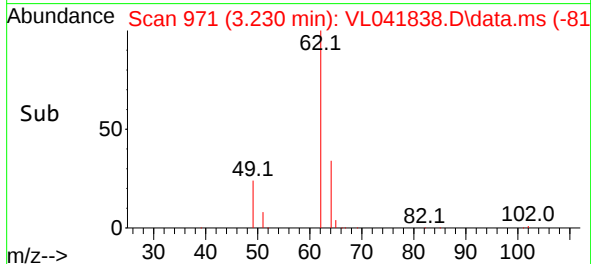
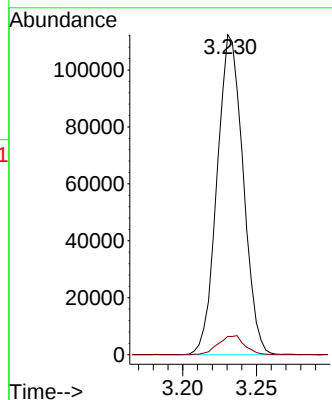
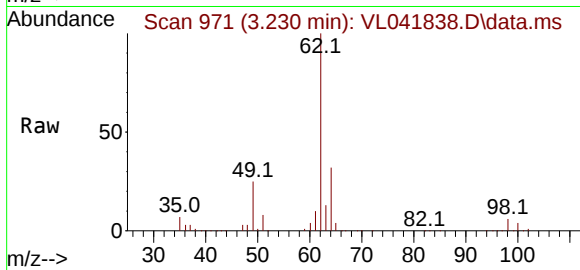




#37
1,2-Dichloroethane
Concen: 9.463 ppbv
RT: 3.230 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

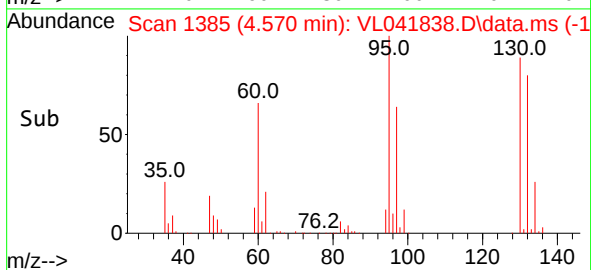
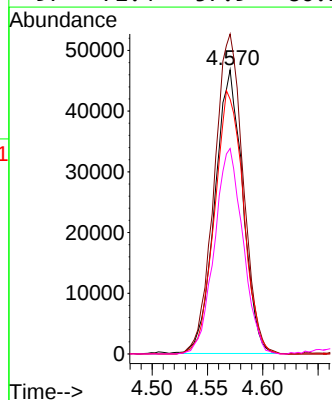
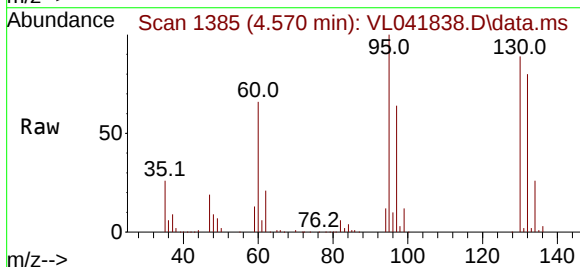
Instrument :
MSVOA_L
ClientSampleId :

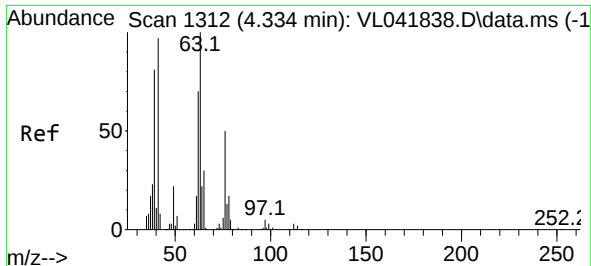
Tgt Ion: 62 Resp: 138068
Ion Ratio Lower Upper
62 100
98 6.0 4.8 7.2



#38
Trichloroethene
Concen: 9.380 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion:130 Resp: 81606
Ion Ratio Lower Upper
130 100
95 112.6 90.1 135.1
132 89.8 71.8 107.8
97 72.4 57.9 86.9





#39

1,2-Dichloropropane

Concen: 9.375 ppbv

RT: 4.334 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

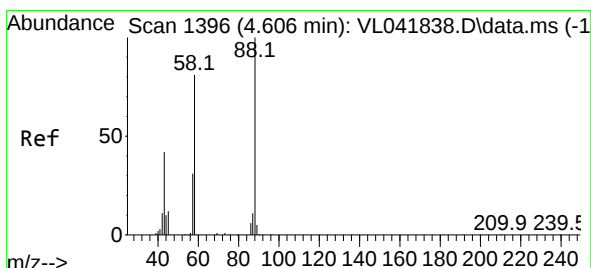
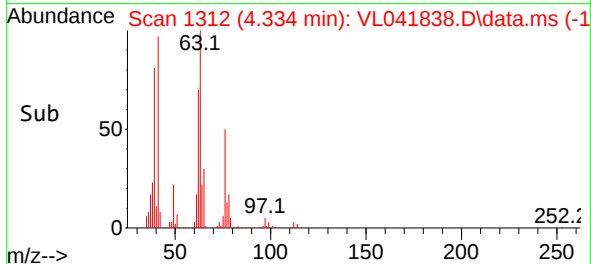
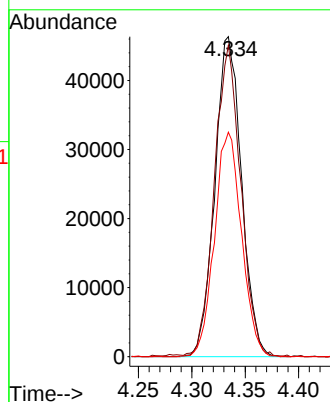
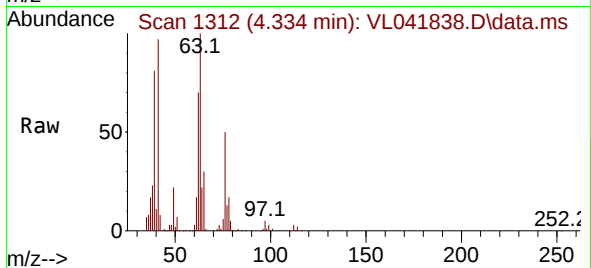
Tgt Ion: 63 Resp: 80487

Ion Ratio Lower Upper

63 100

41 97.1 77.7 116.5

62 70.2 56.2 84.2



#40

1,4-Dioxane

Concen: 10.425 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Tgt Ion: 88 Resp: 34679

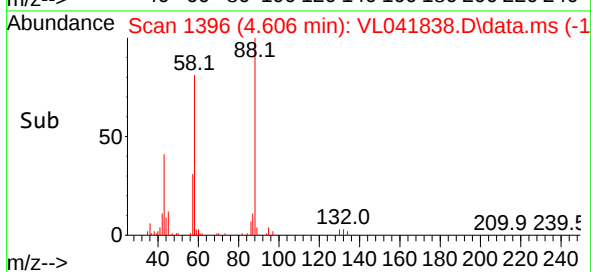
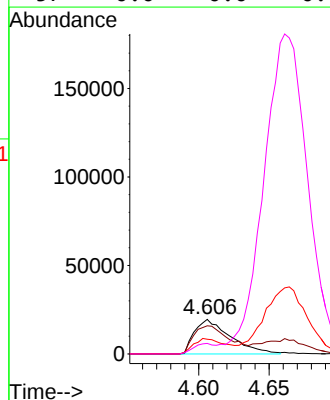
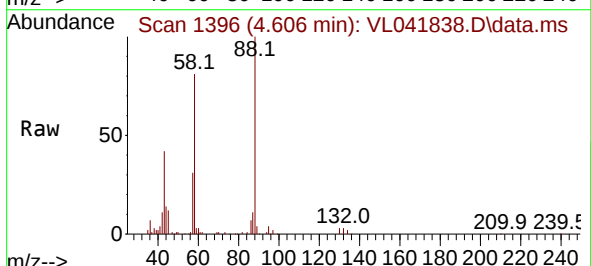
Ion Ratio Lower Upper

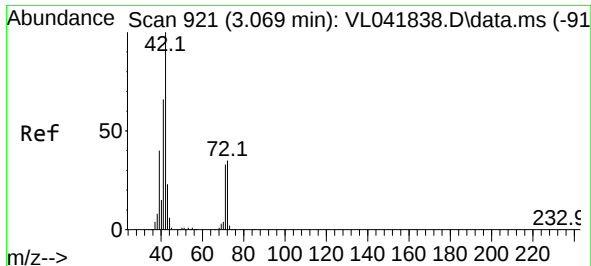
88 100

58 78.8 65.1 97.7

43 37.5 32.1 48.1

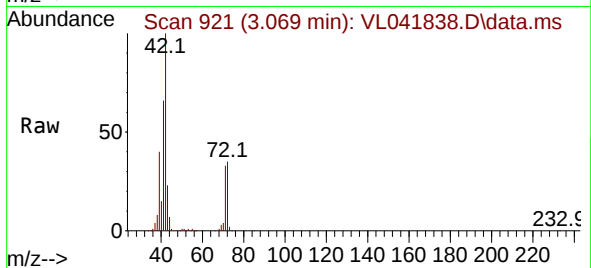
57 0.0 0.0 0.0



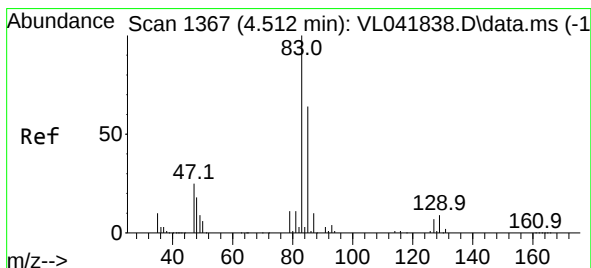
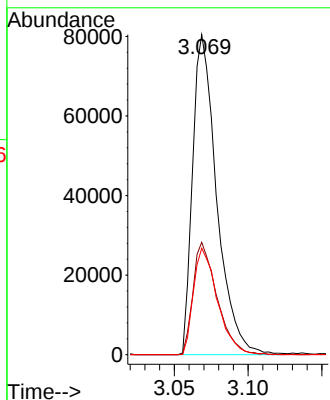
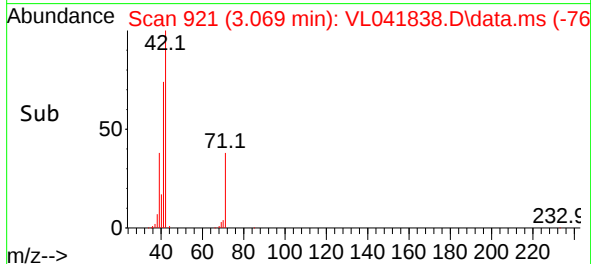


#41
Tetrahydrofuran
Concen: 10.618 ppbv
RT: 3.069 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

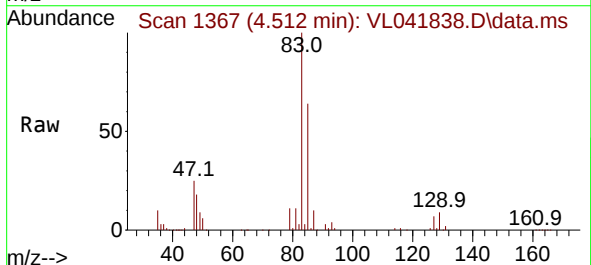
Instrument :
MSVOA_L
ClientSampleId :



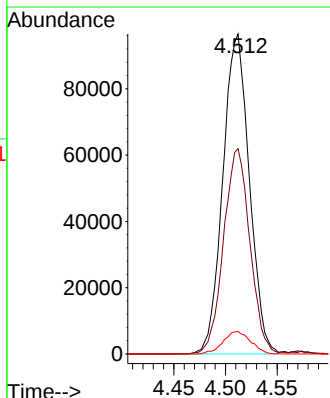
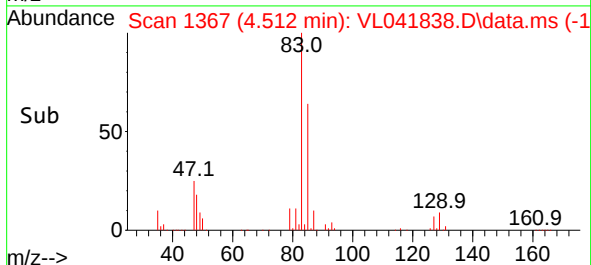
Tgt Ion:	42	Resp:	91594
Ion Ratio	Lower	Upper	
42	100		
72	34.9	27.9	41.9
71	33.1	26.5	39.7

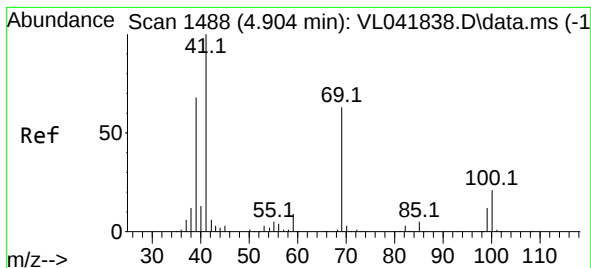


#42
Bromodichloromethane
Concen: 10.063 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18



Tgt Ion:	83	Resp:	172183
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.3	76.9
127	7.0	5.6	8.4





#43

Methyl Methacrylate

Concen: 11.130 ppbv

RT: 4.904 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

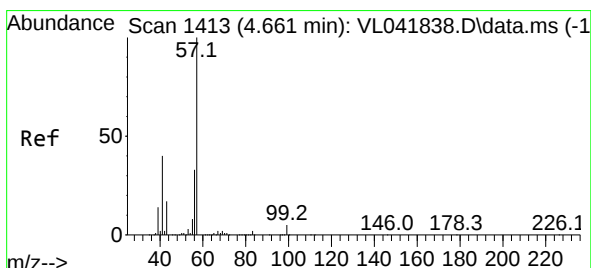
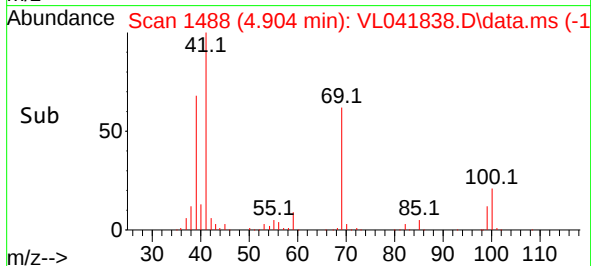
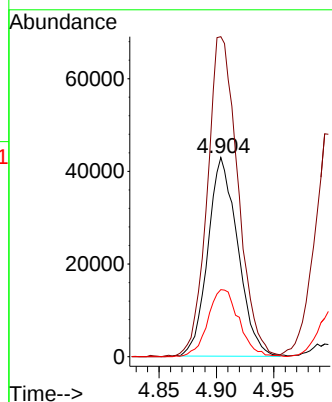
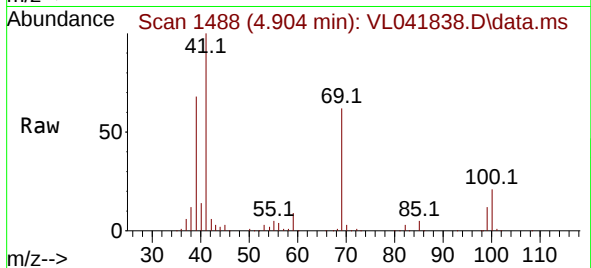
Tgt Ion: 69 Resp: 77566

Ion Ratio Lower Upper

69 100

41 165.2 132.3 198.5

100 35.3 28.2 42.4



#44

2,2,4-Trimethylpentane

Concen: 10.683 ppbv

RT: 4.661 min Scan# 1413

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

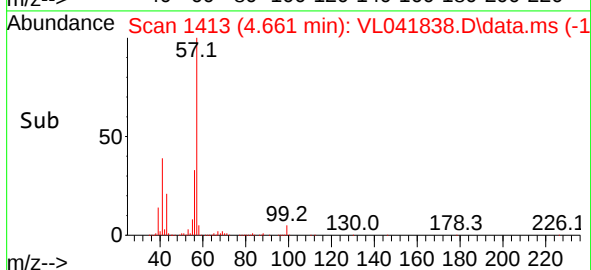
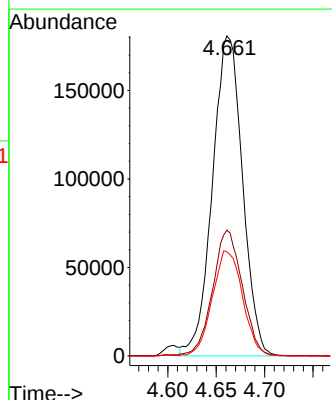
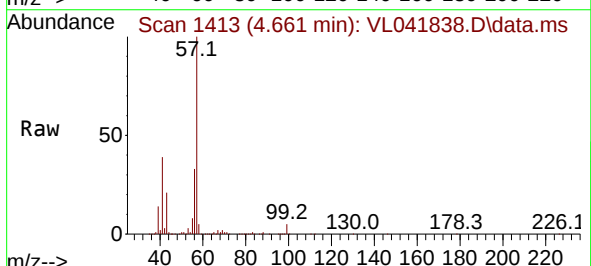
Tgt Ion: 57 Resp: 390617

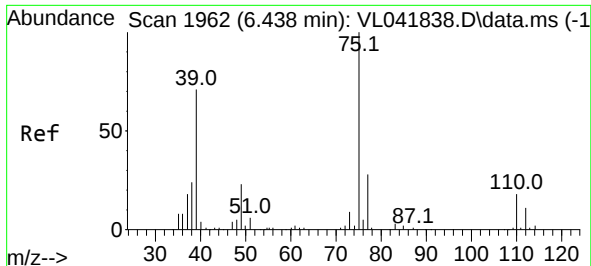
Ion Ratio Lower Upper

57 100

41 39.3 31.4 47.2

56 33.2 26.6 39.8





#45

t-1,3-Dichloropropene

Concen: 10.430 ppbv

RT: 6.438 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

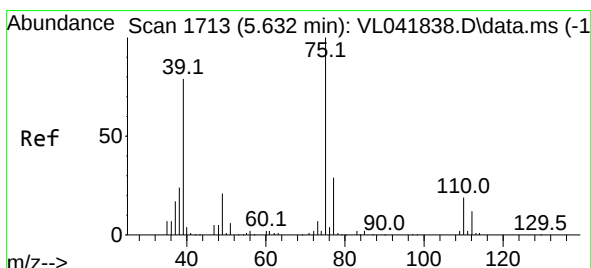
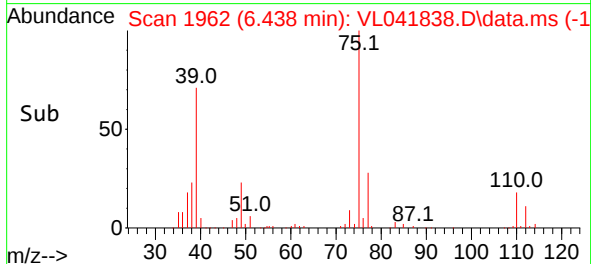
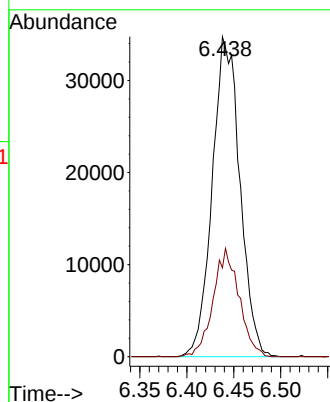
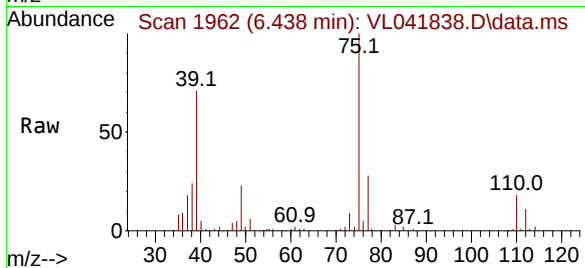
ClientSampleId :

Tgt Ion: 75 Resp: 70965

Ion Ratio Lower Upper

75 100

77 27.8 22.2 33.4



#46

cis-1,3-Dichloropropene

Concen: 10.905 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

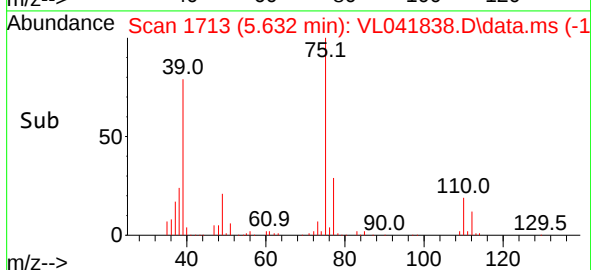
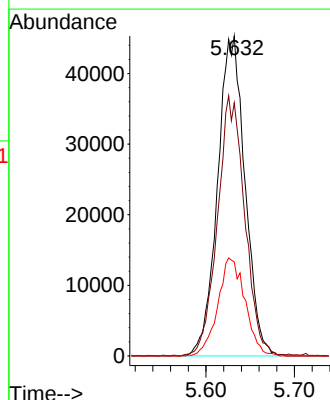
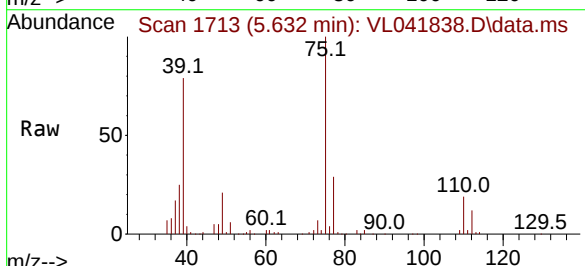
Tgt Ion: 75 Resp: 97612

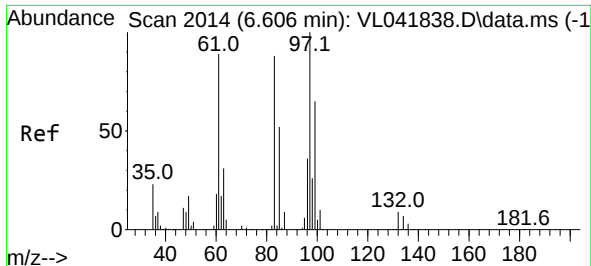
Ion Ratio Lower Upper

75 100

39 79.1 63.3 94.9

77 29.4 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 9.351 ppbv

RT: 6.606 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 84906

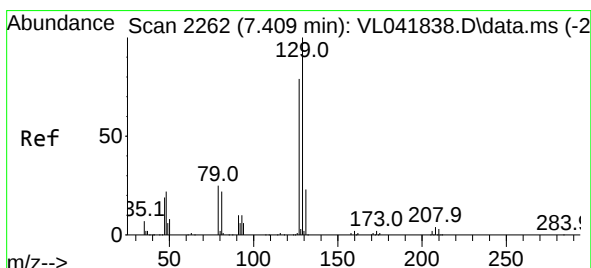
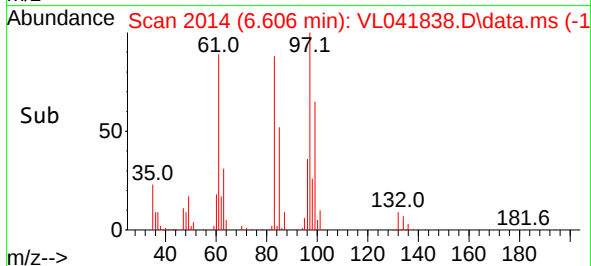
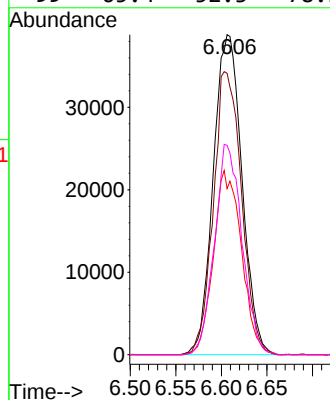
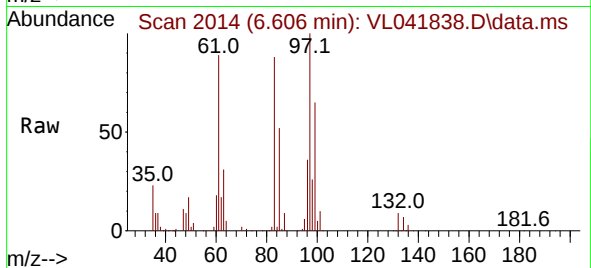
Ion Ratio Lower Upper

97 100

83 87.9 70.3 105.5

85 51.9 41.5 62.3

99 65.4 52.3 78.5



#48

Dibromochloromethane

Concen: 10.778 ppbv

RT: 7.409 min Scan# 2262

Delta R.T. 0.000 min

Lab File: VL041838.D

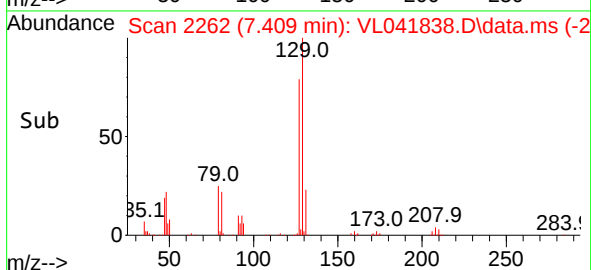
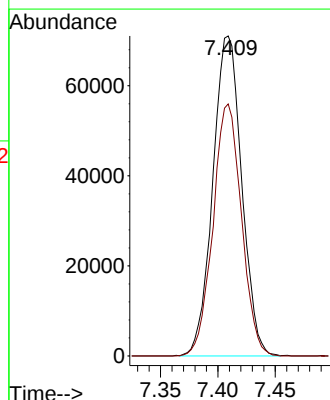
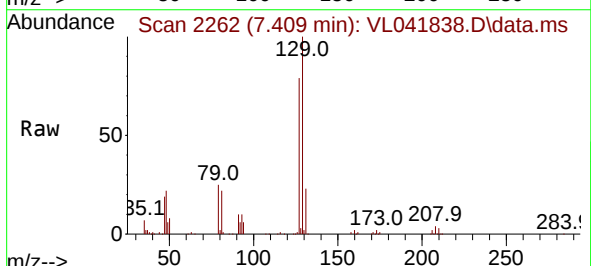
Acq: 07 Jan 2025 09:18

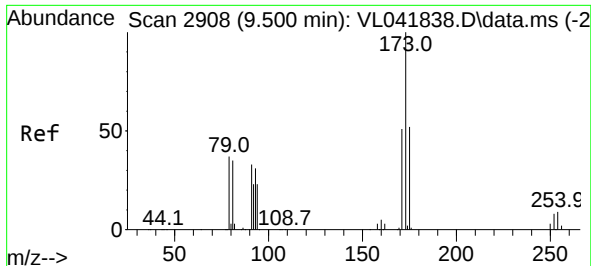
Tgt Ion: 129 Resp: 124570

Ion Ratio Lower Upper

129 100

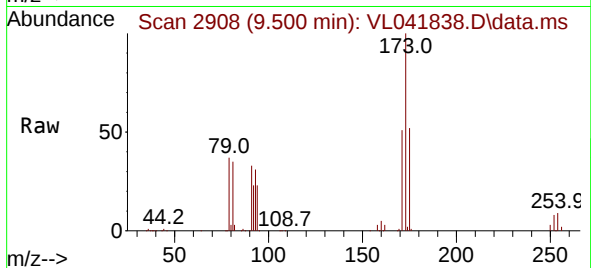
127 77.4 38.7 116.1



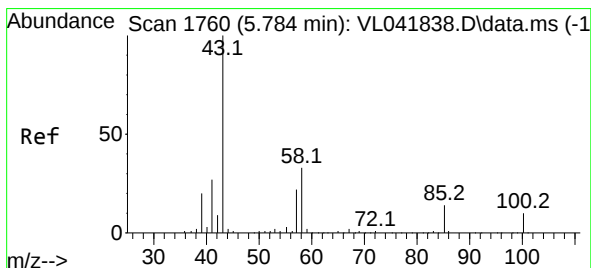
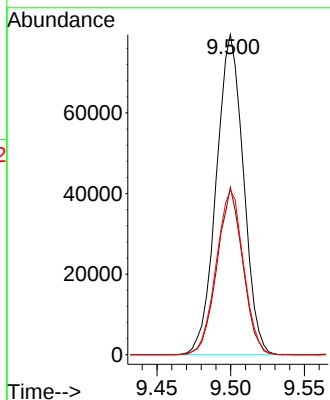
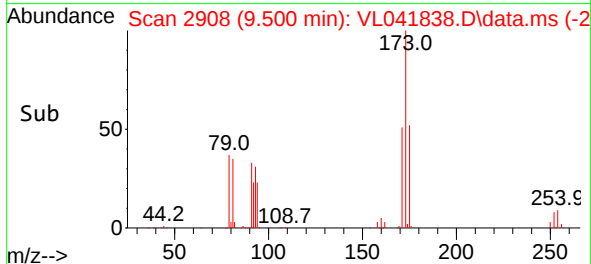


#49
Bromoform
Concen: 10.982 ppbv
RT: 9.500 min Scan# 2908
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Instrument :
MSVOA_L
ClientSampleId :

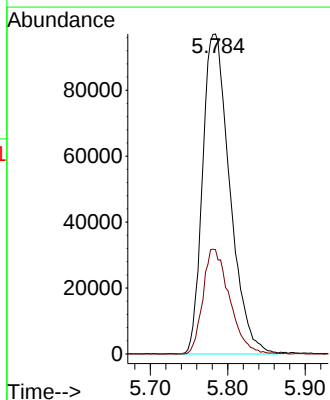
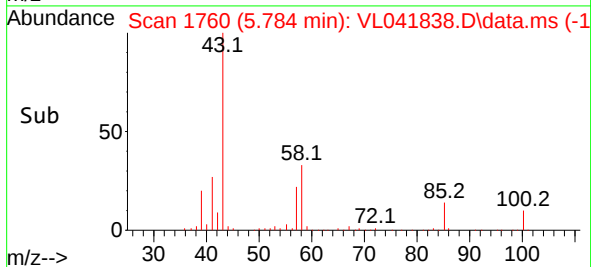
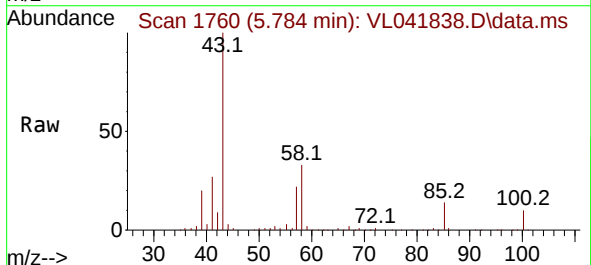


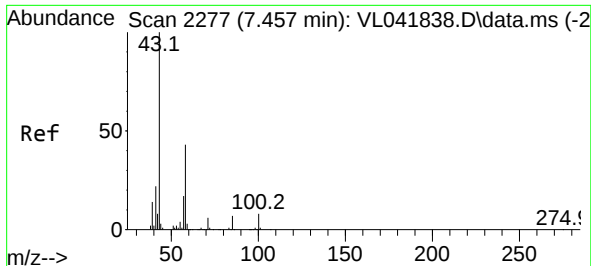
Tgt Ion:173 Resp: 101730
Ion Ratio Lower Upper
173 100
175 49.4 39.5 59.3
171 51.9 41.5 62.3



#50
4-Methyl-2-Pentanone
Concen: 11.212 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 43 Resp: 237056
Ion Ratio Lower Upper
43 100
58 32.0 25.7 38.5

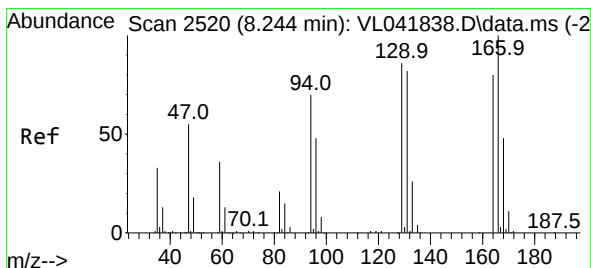
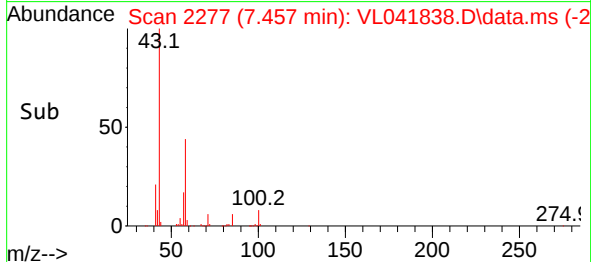
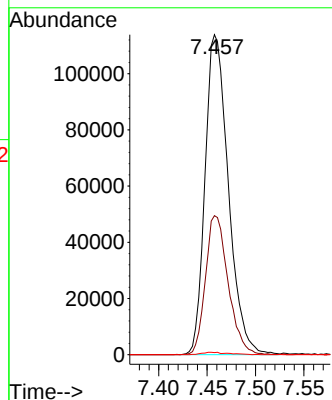
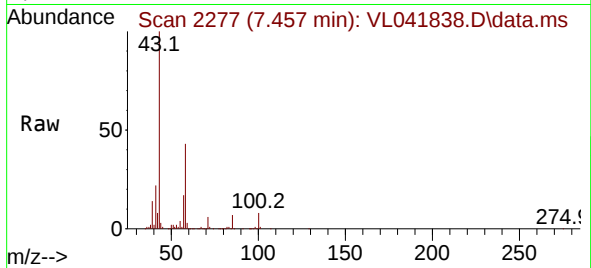




#51
2-Hexanone
Concen: 11.921 ppbv
RT: 7.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

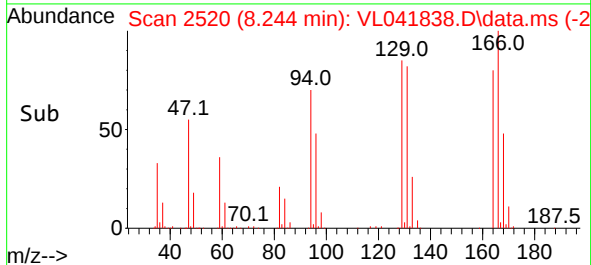
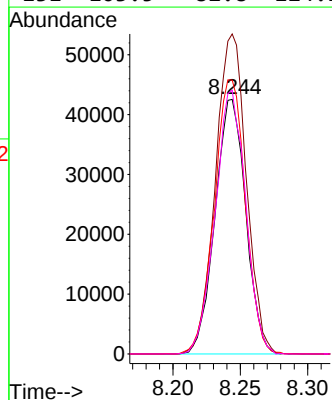
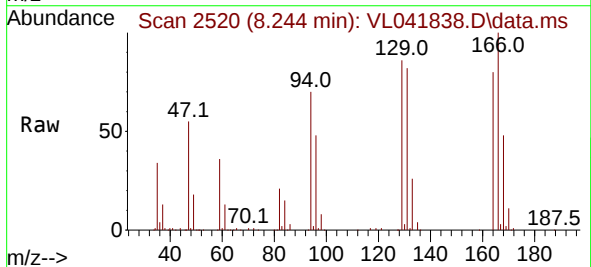
Instrument :
MSVOA_L
ClientSampleId :

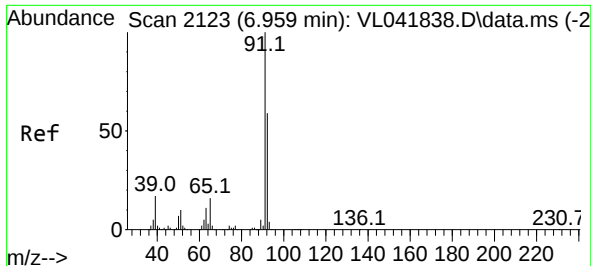
Tgt Ion: 43 Resp: 190925
Ion Ratio Lower Upper
43 100
58 42.3 33.8 50.8
98 0.9 0.7 1.1



#52
Tetrachloroethene
Concen: 10.236 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 164 Resp: 67367
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 107.4 85.9 128.9
131 103.5 82.8 124.2

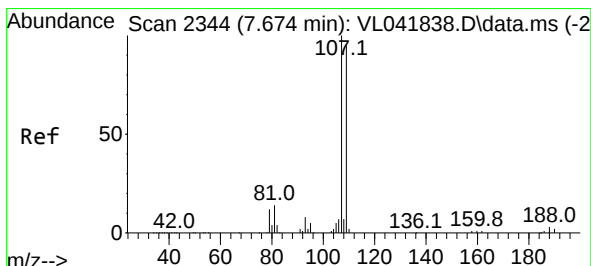
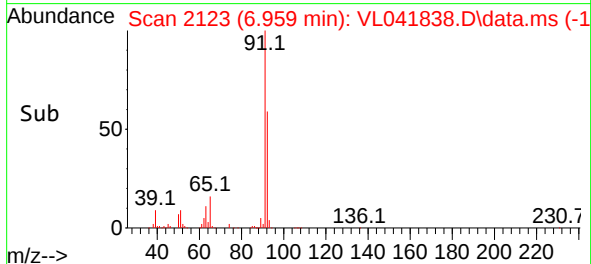
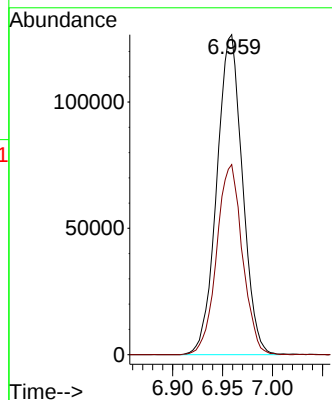
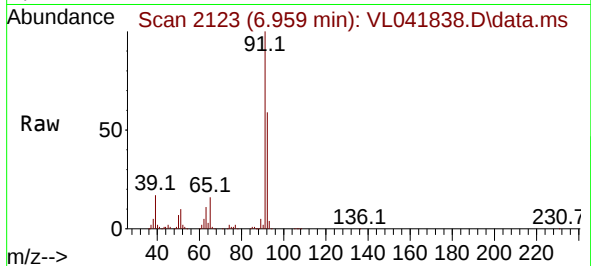




#53
Toluene
Concen: 11.464 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

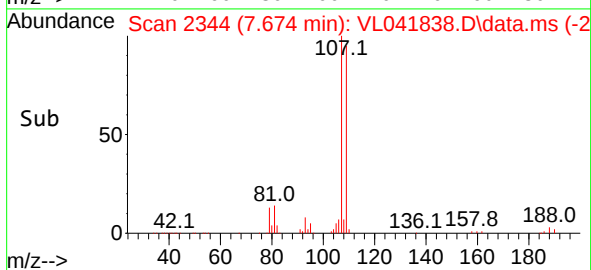
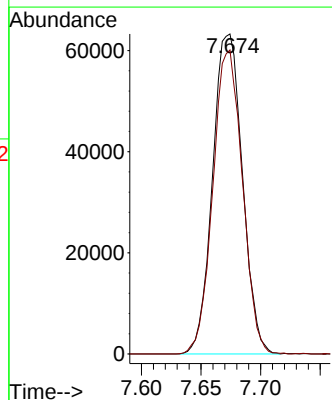
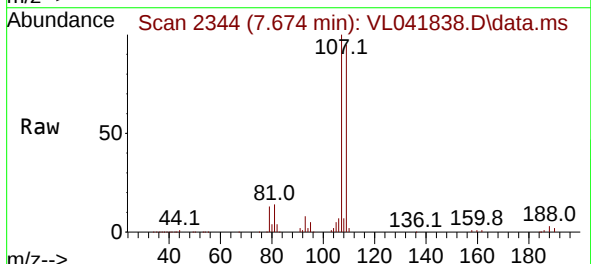
Instrument :
MSVOA_L
ClientSampleId :

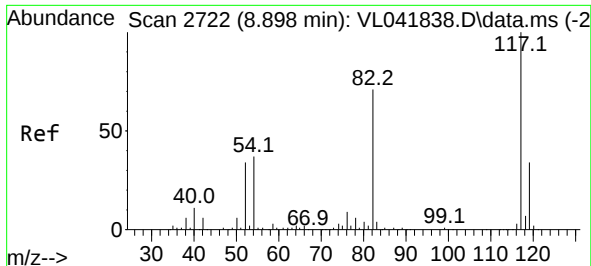
Tgt Ion: 91 Resp: 226694
Ion Ratio Lower Upper
91 100
92 59.7 47.8 71.6



#54
1,2-Dibromoethane
Concen: 9.910 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 107 Resp: 110192
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9

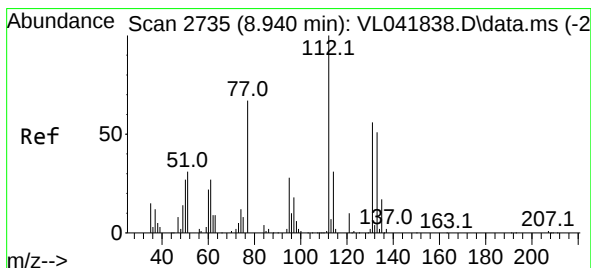
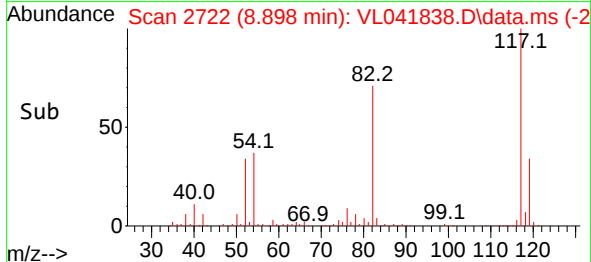
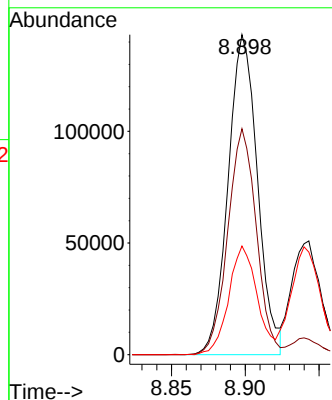
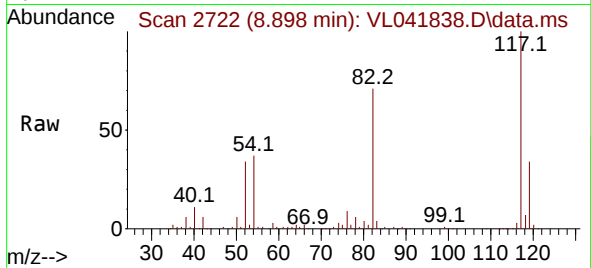




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

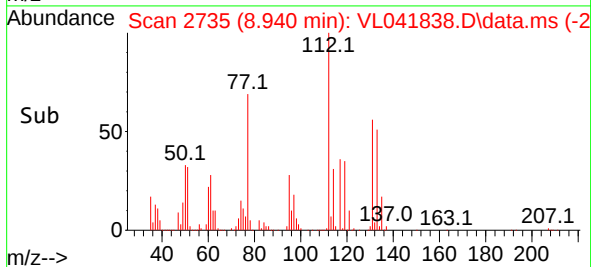
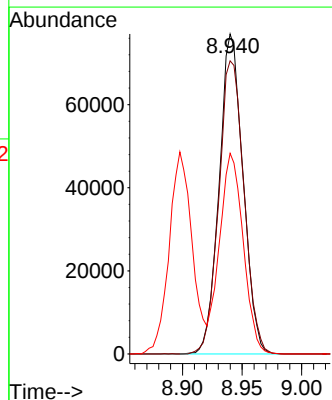
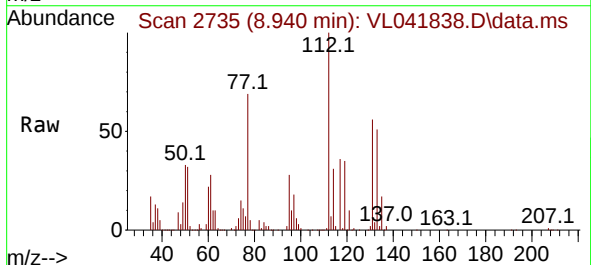
Instrument :
MSVOA_L
ClientSampleId :

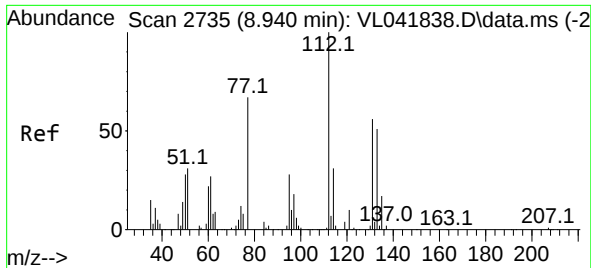
Tgt Ion:117 Resp: 198370
Ion Ratio Lower Upper
117 100
82 73.9 59.1 88.7
119 34.1 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.488 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion:131 Resp: 107276
Ion Ratio Lower Upper
131 100
133 96.6 77.3 115.9
119 63.3 50.6 76.0

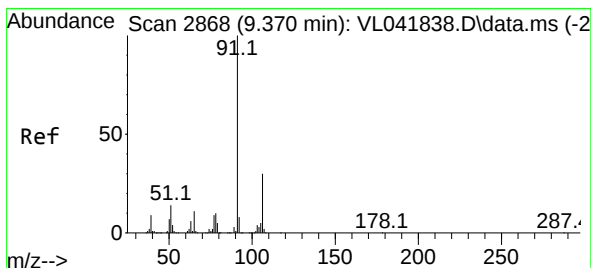
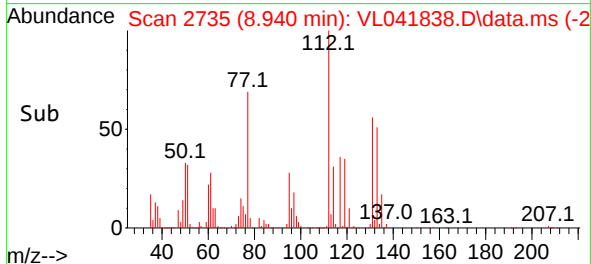
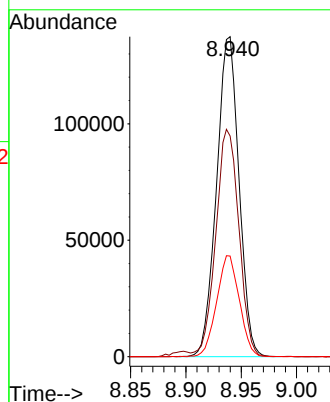
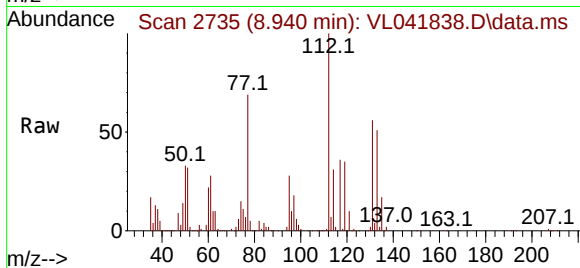




#57
Chlorobenzene
Concen: 9.352 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

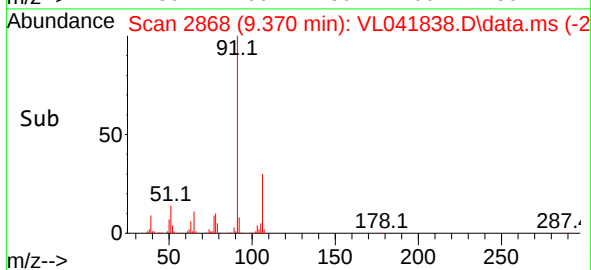
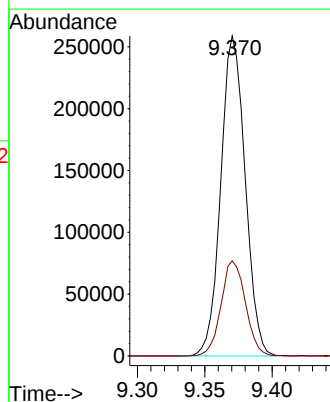
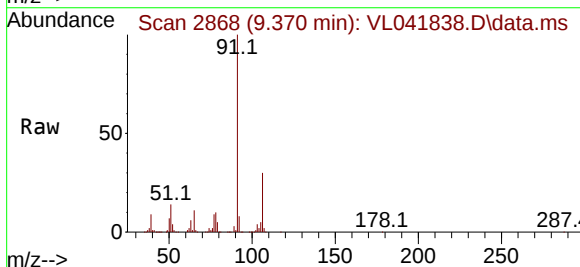
Instrument :
MSVOA_L
ClientSampleId :

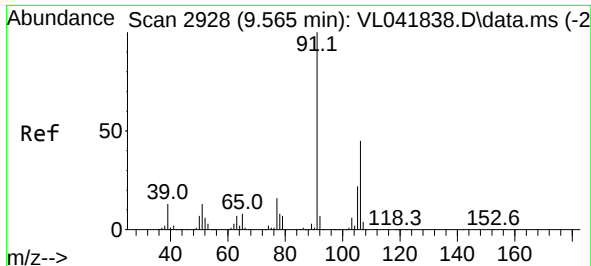
Tgt Ion:112 Resp: 193822
Ion Ratio Lower Upper
112 100
77 68.9 55.1 82.7
114 31.4 28.3 34.5



#58
Ethyl Benzene
Concen: 12.052 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 91 Resp: 325850
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8





#59

m/p-Xylene

Concen: 10.820 ppbv

RT: 9.565 min Scan# 2928

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

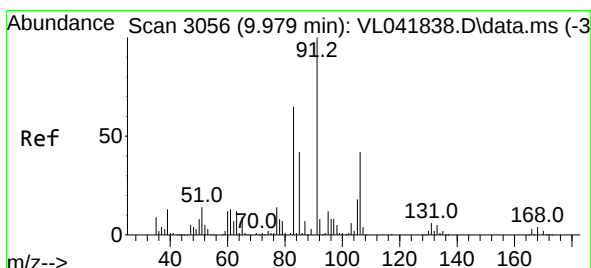
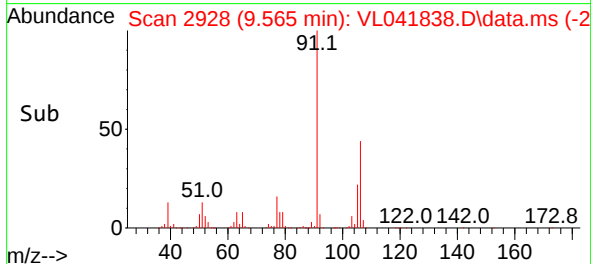
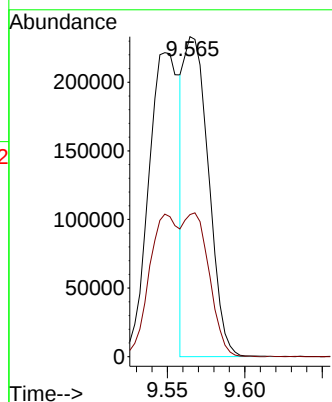
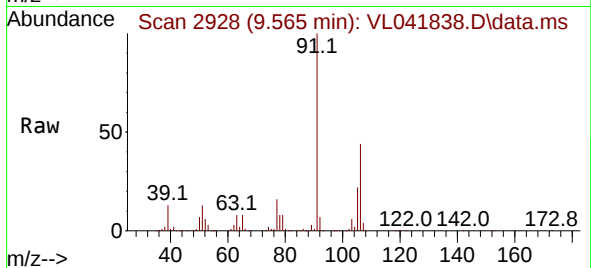
ClientSampleId :

Tgt Ion: 91 Resp: 258205

Ion Ratio Lower Upper

91 100

106 100.5 36.8 55.2#



#60

o-Xylene

Concen: 12.136 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL041838.D

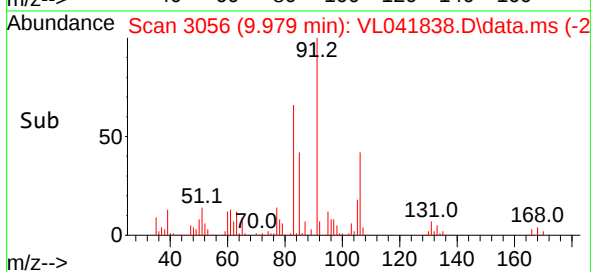
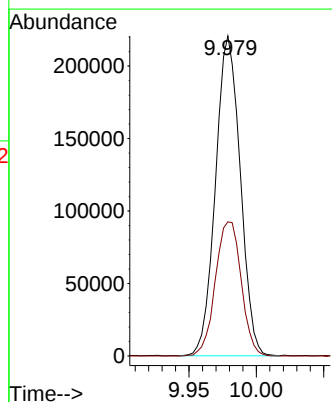
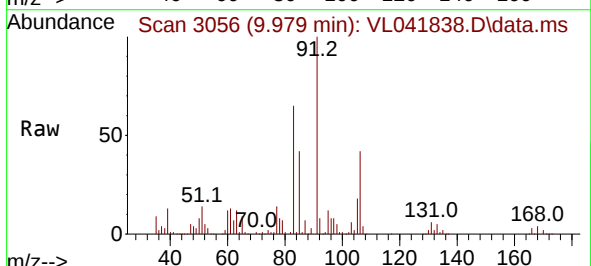
Acq: 07 Jan 2025 09:18

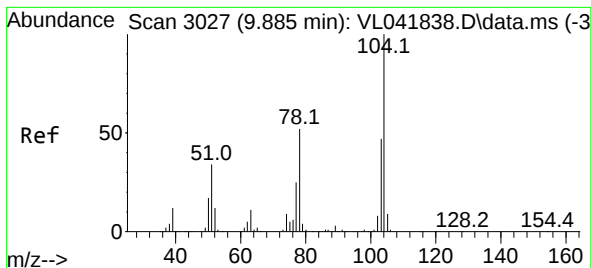
Tgt Ion: 91 Resp: 281728

Ion Ratio Lower Upper

91 100

106 43.7 21.9 65.5





#61

Styrene

Concen: 12.495 ppbv

RT: 9.885 min Scan# 3027

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

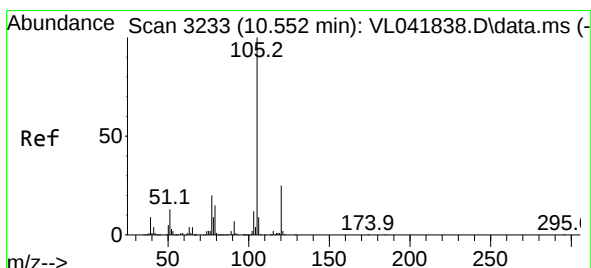
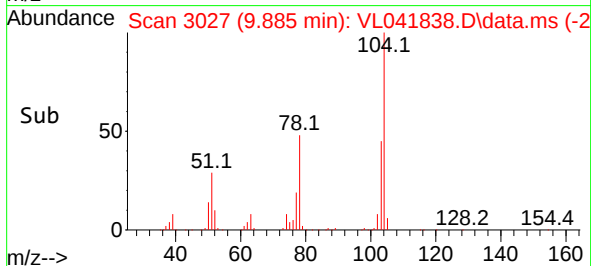
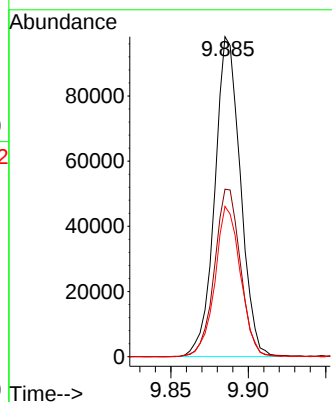
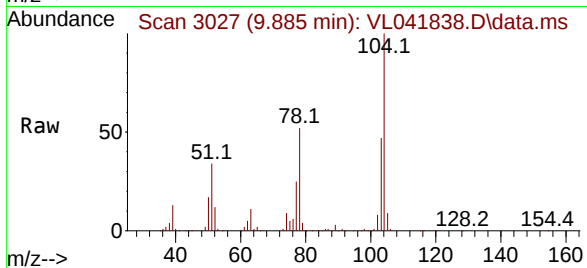
Tgt Ion:104 Resp: 112526

Ion Ratio Lower Upper

104 100

78 53.4 42.8 64.2

103 47.2 37.8 56.6



#62

Isopropylbenzene

Concen: 11.452 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. 0.000 min

Lab File: VL041838.D

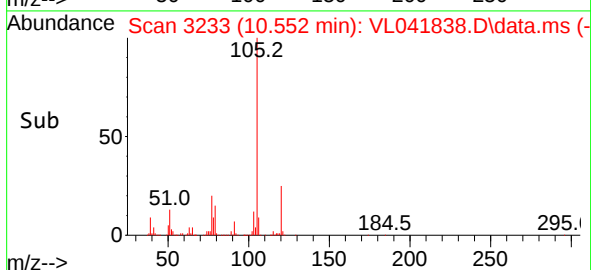
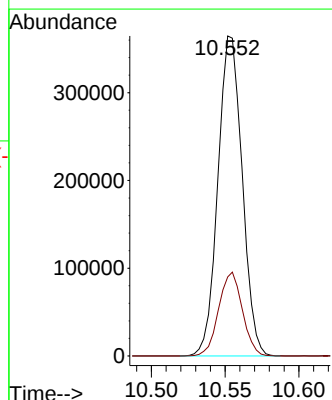
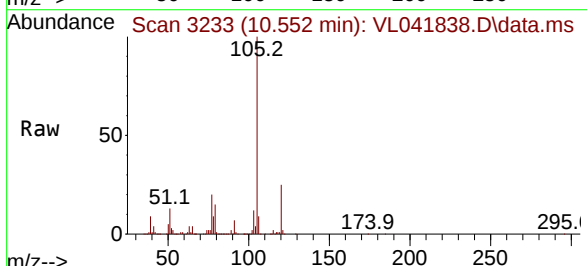
Acq: 07 Jan 2025 09:18

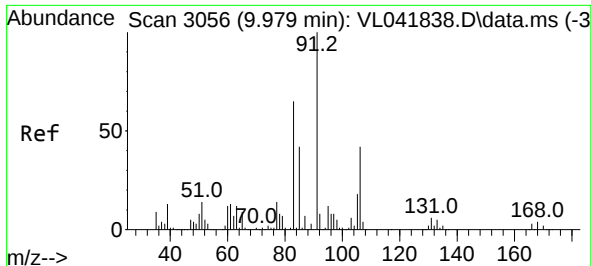
Tgt Ion:105 Resp: 417672

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

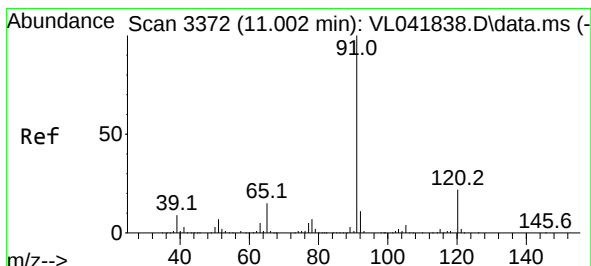
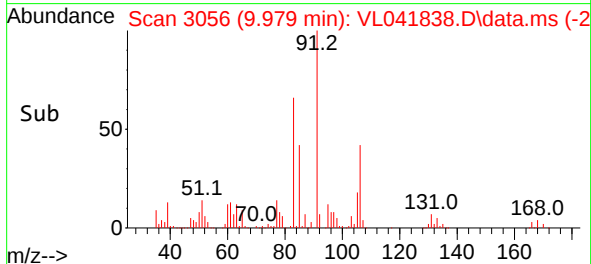
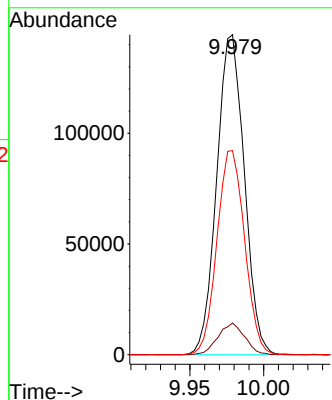
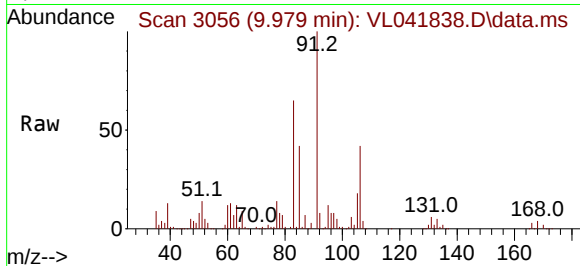




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.238 ppbv
 RT: 9.979 min Scan# 3056
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

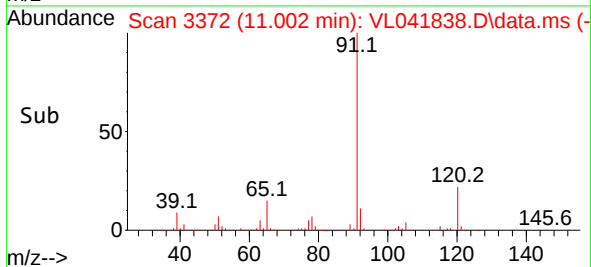
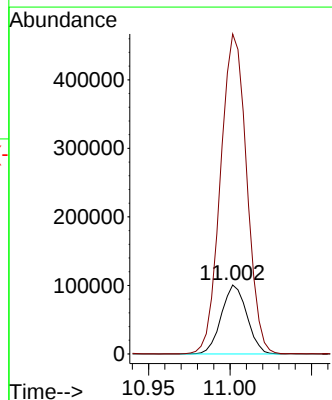
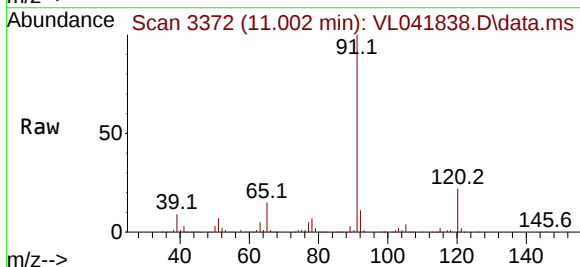
Instrument :
 MSVOA_L
 ClientSampleId :

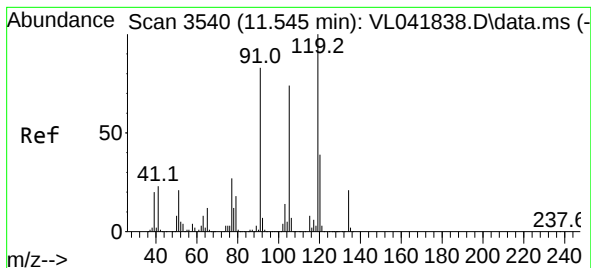
Tgt Ion: 83 Resp: 188048
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 63.9 31.9 95.9



#64
 n-propylbenzene
 Concen: 11.684 ppbv
 RT: 11.002 min Scan# 3372
 Delta R.T. 0.000 min
 Lab File: VL041838.D
 Acq: 07 Jan 2025 09:18

Tgt Ion: 120 Resp: 109323
 Ion Ratio Lower Upper
 120 100
 91 477.6 382.1 573.1

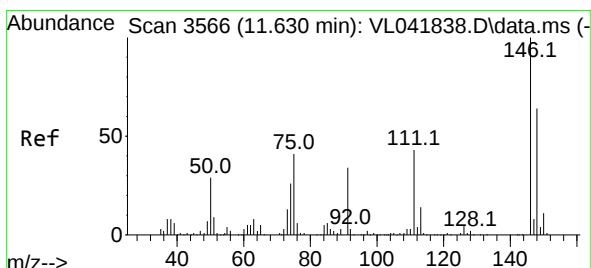
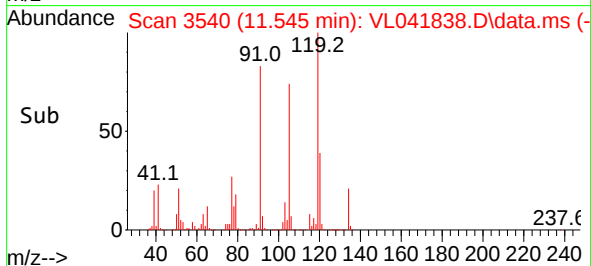
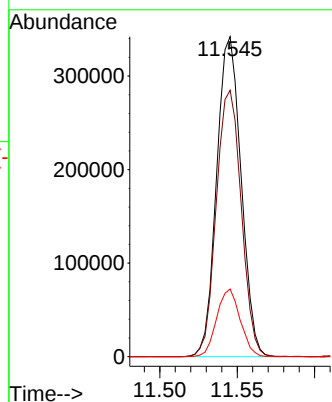
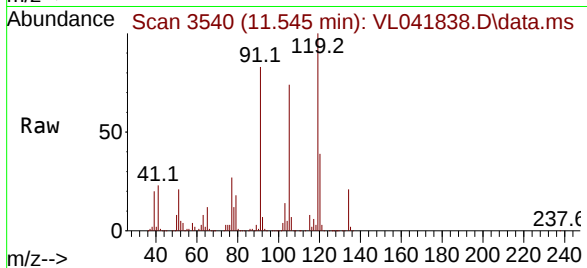




#65
tert-Butylbenzene
Concen: 11.438 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

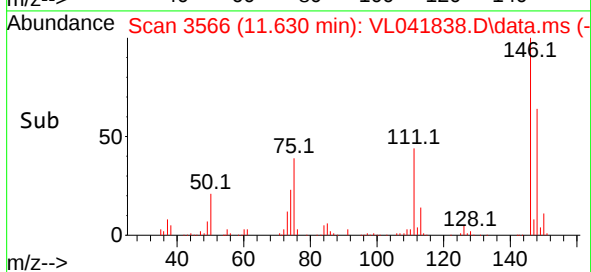
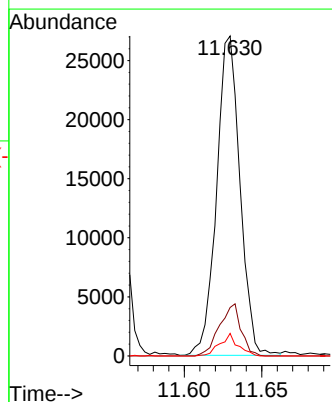
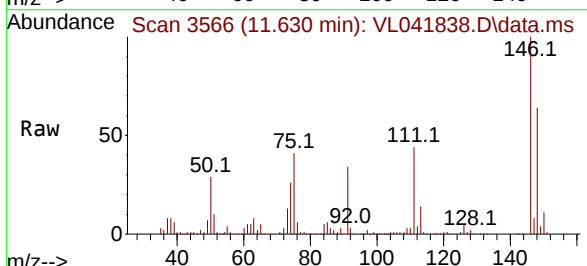
Instrument :
MSVOA_L
ClientSampleId :

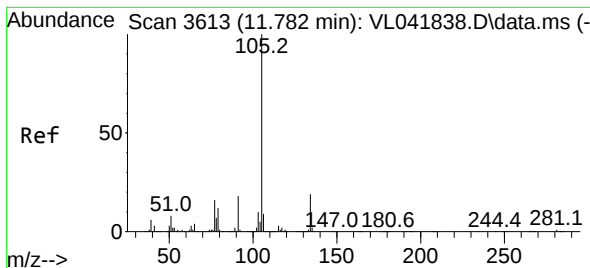
Tgt Ion:119 Resp: 375903
Ion Ratio Lower Upper
119 100
91 85.0 68.0 102.0
134 20.3 16.2 24.4



#66
Benzyl Chloride
Concen: 10.329 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion: 91 Resp: 28370
Ion Ratio Lower Upper
91 100
126 15.1 12.1 18.1
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 11.295 ppbv

RT: 11.782 min Scan# 3613

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

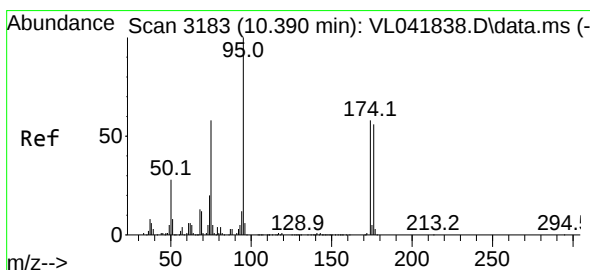
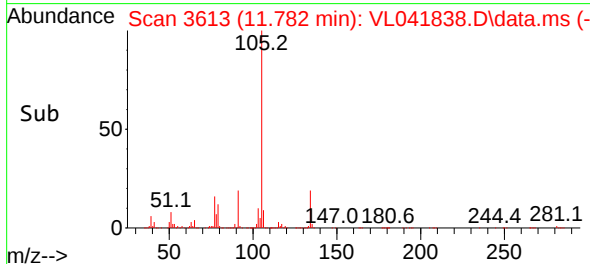
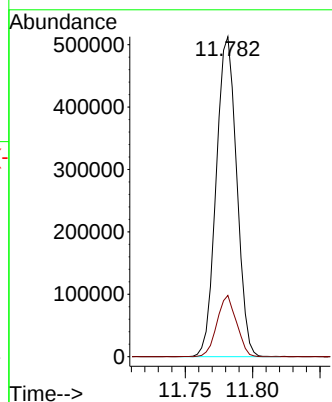
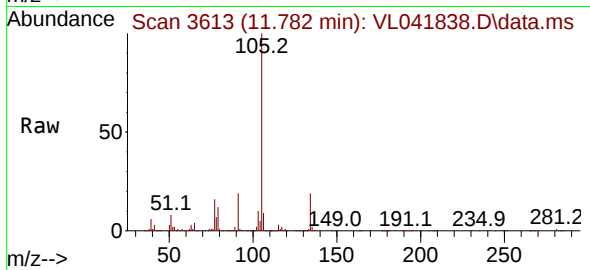
ClientSampleId :

Tgt Ion:105 Resp: 541663

Ion Ratio Lower Upper

105 100

134 18.3 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.487 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

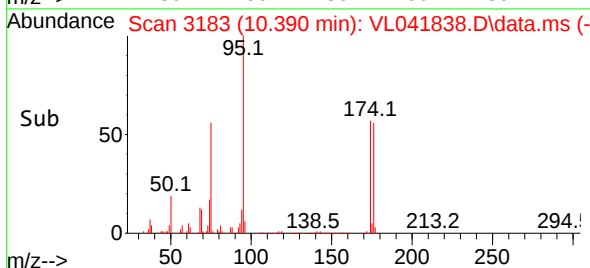
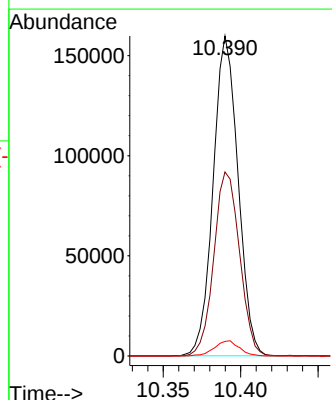
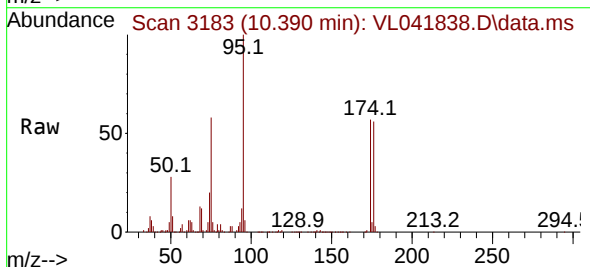
Tgt Ion: 95 Resp: 178169

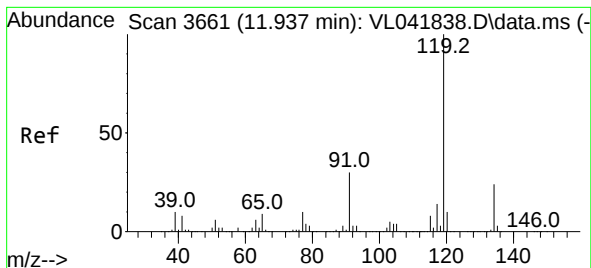
Ion Ratio Lower Upper

95 100

174 59.5 47.6 71.4

175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 11.935 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

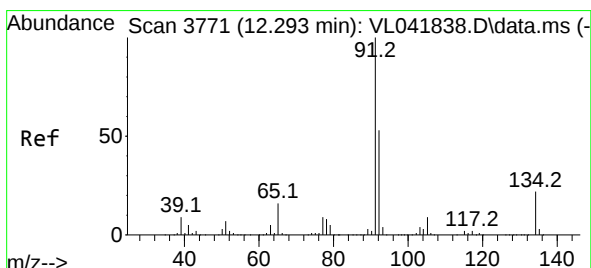
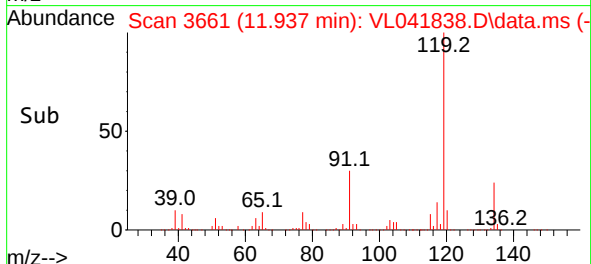
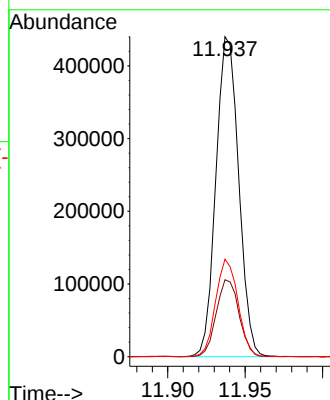
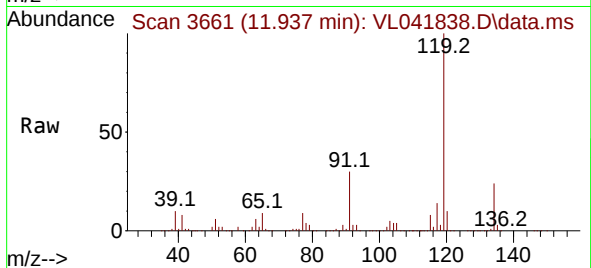
Tgt Ion:119 Resp: 449331

Ion Ratio Lower Upper

119 100

134 24.3 19.4 29.2

91 30.0 24.0 36.0



#70

n-Butylbenzene

Concen: 11.762 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

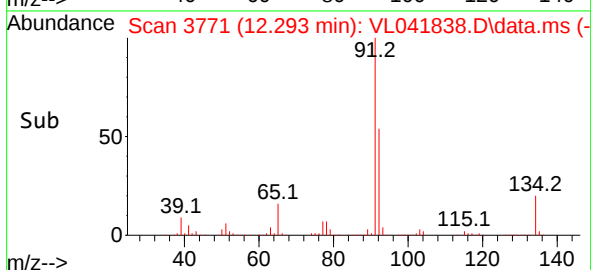
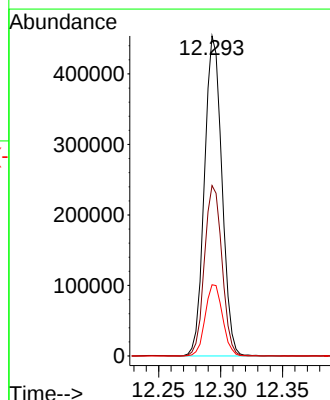
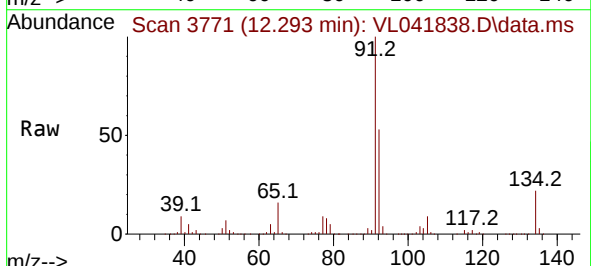
Tgt Ion: 91 Resp: 444870

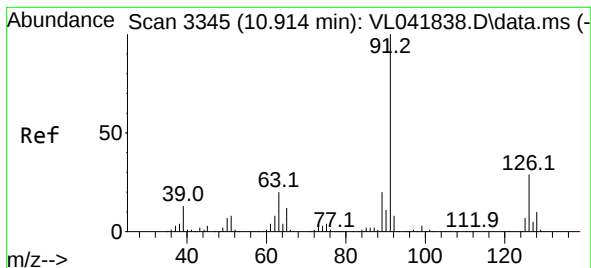
Ion Ratio Lower Upper

91 100

92 53.5 42.8 64.2

134 22.2 17.8 26.6

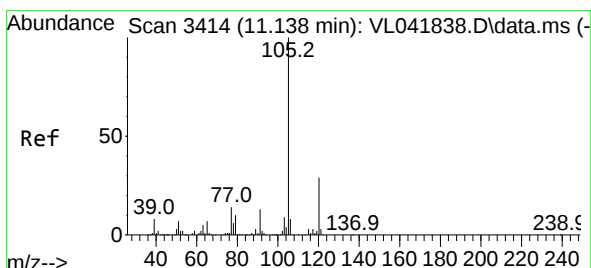
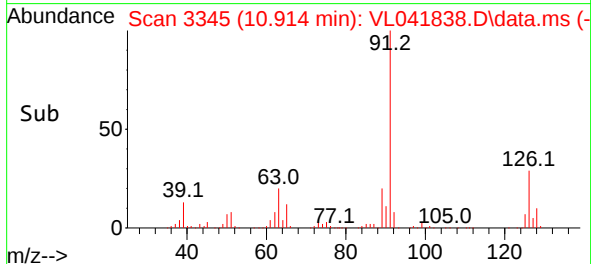
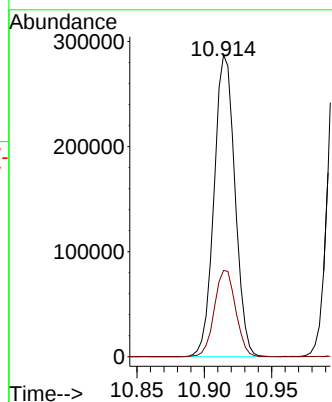
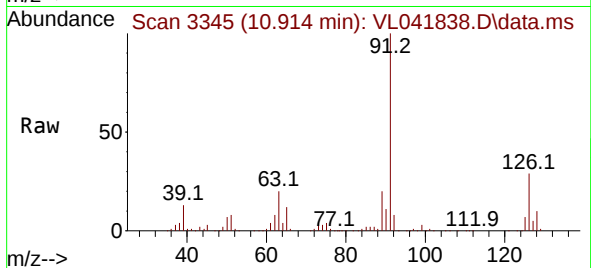




#71
2-Chlorotoluene
Concen: 11.712 ppbv
RT: 10.914 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

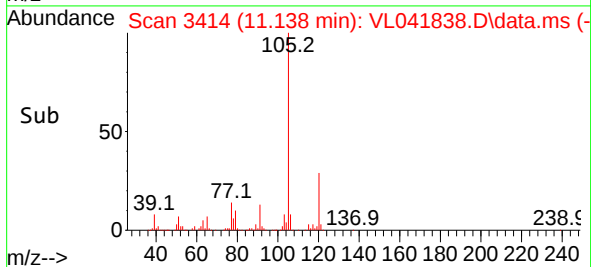
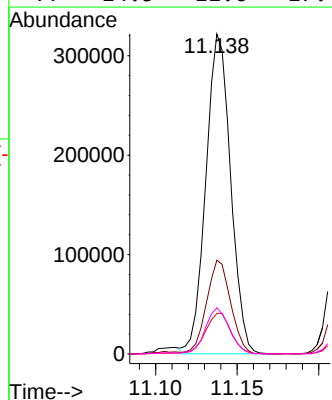
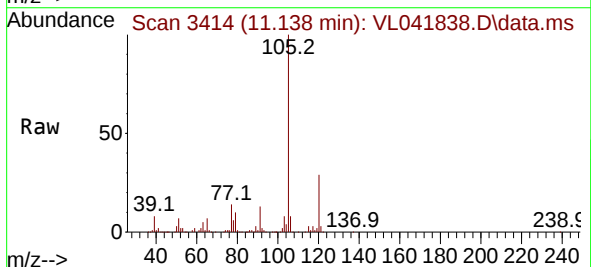
Instrument :
MSVOA_L
ClientSampleId :

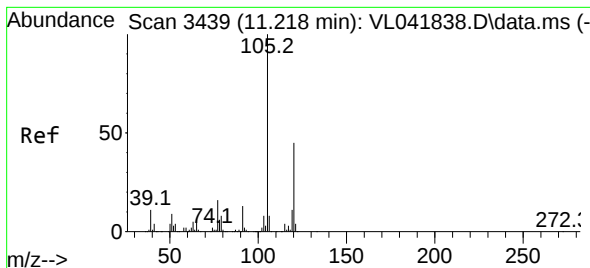
Tgt Ion: 91 Resp: 310040
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.6



#72
4-Ethyltoluene
Concen: 12.100 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion:105 Resp: 339692
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.2
91 13.5 10.8 16.2
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 11.894 ppbv

RT: 11.218 min Scan# 3439

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

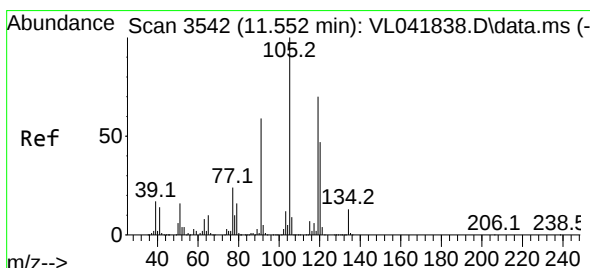
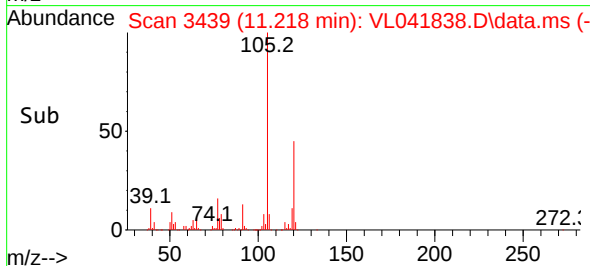
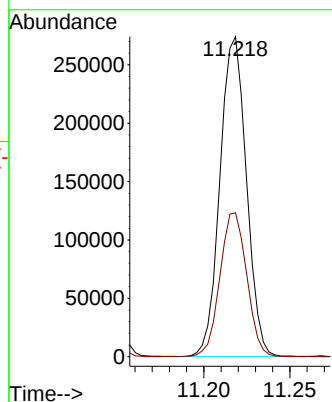
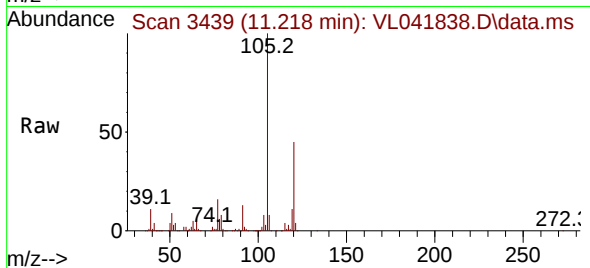
ClientSampleId :

Tgt Ion:105 Resp: 292453

Ion Ratio Lower Upper

105 100

120 44.9 35.9 53.9



#74

1,2,4-Trimethylbenzene

Concen: 11.455 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Tgt Ion:105 Resp: 326247

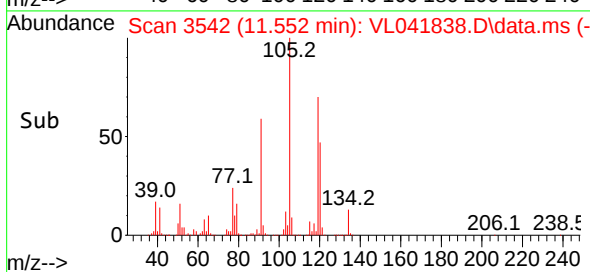
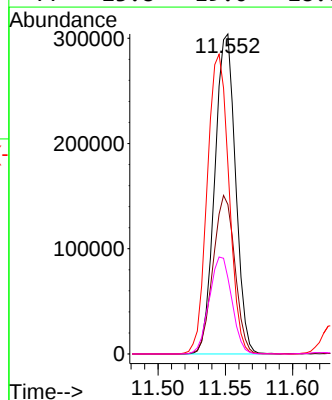
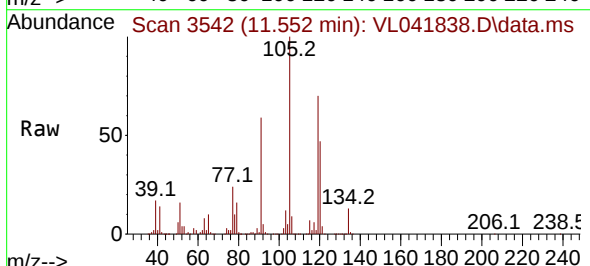
Ion Ratio Lower Upper

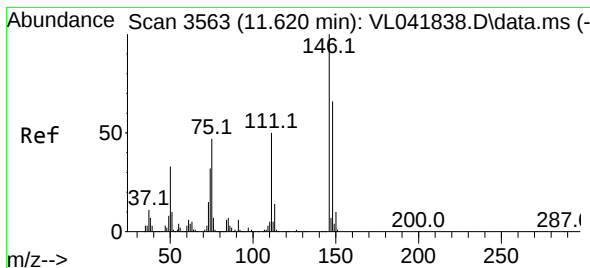
105 100

120 46.7 37.4 56.0

91 59.3 47.4 71.2

77 23.8 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 9.880 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :

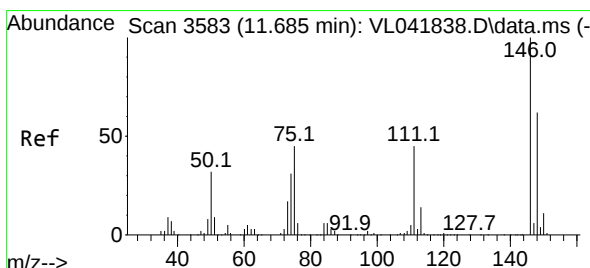
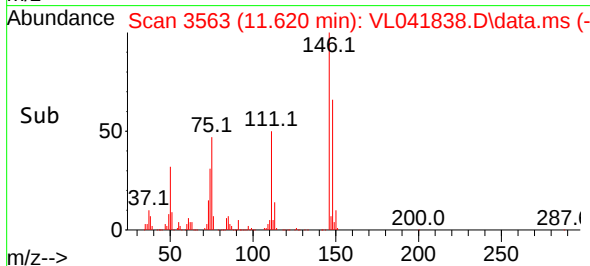
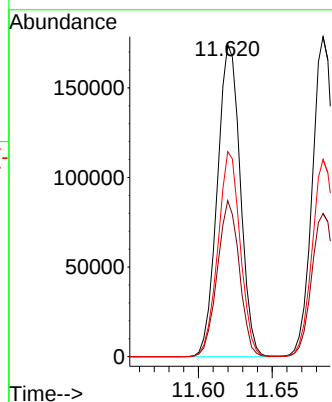
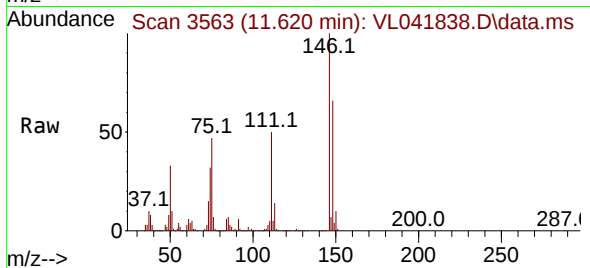
Tgt Ion:146 Resp: 188321

Ion Ratio Lower Upper

146 100

111 48.1 24.1 72.2

148 64.0 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 10.164 ppbv

RT: 11.685 min Scan# 3583

Delta R.T. 0.000 min

Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

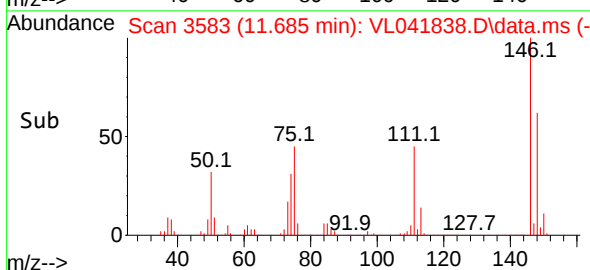
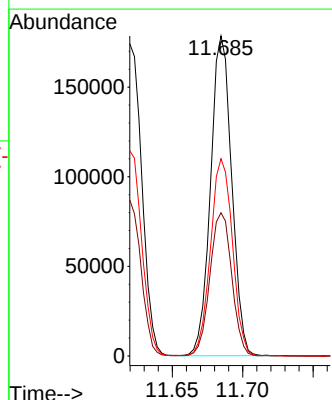
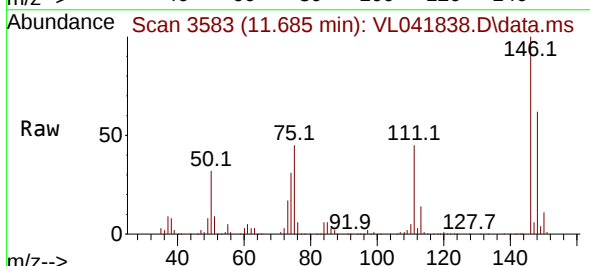
Tgt Ion:146 Resp: 186446

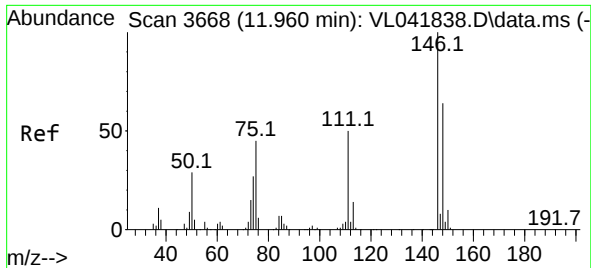
Ion Ratio Lower Upper

146 100

111 46.4 23.2 69.6

148 64.2 32.1 96.3

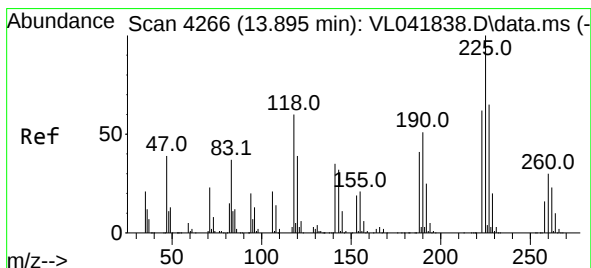
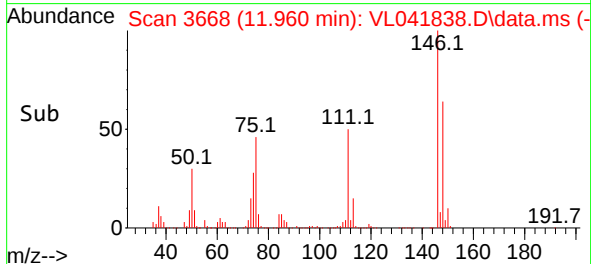
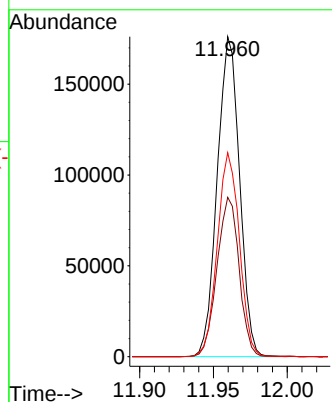
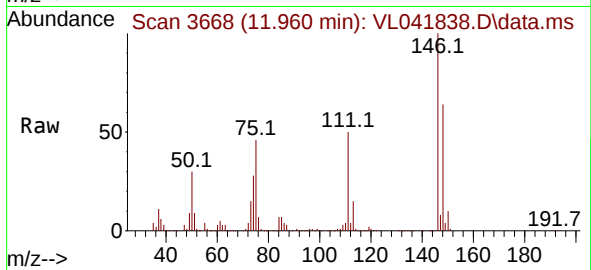




#77
1,2-Dichlorobenzene
Concen: 9.347 ppbv
RT: 11.960 min Scan# 3668
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

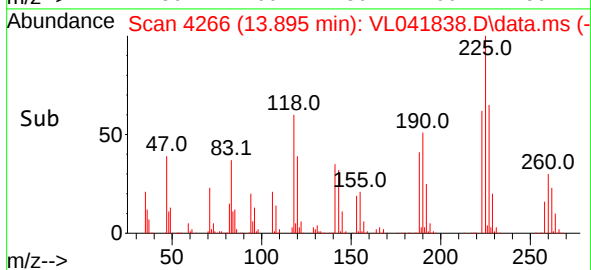
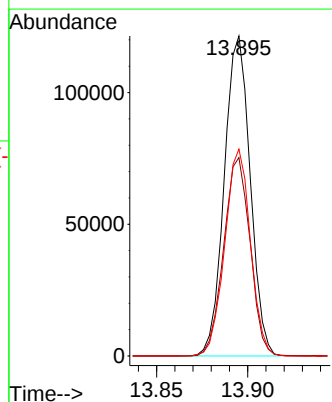
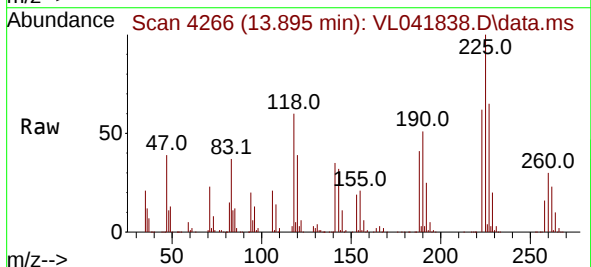
Instrument :
MSVOA_L
ClientSampleId :

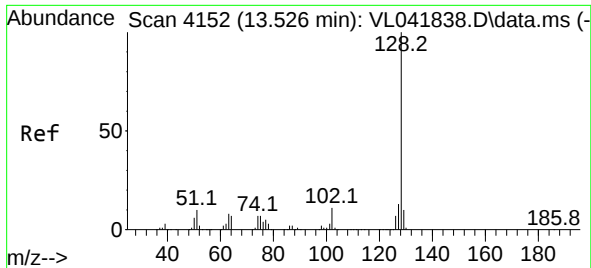
Tgt Ion:146 Resp: 185674
Ion Ratio Lower Upper
146 100
111 49.4 24.7 74.1
148 63.0 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.523 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

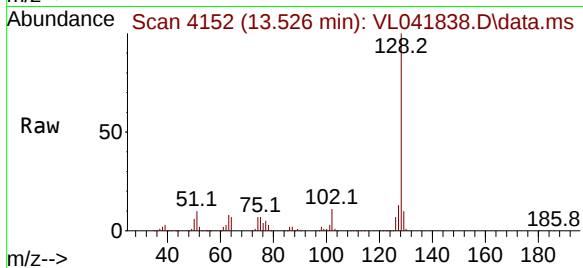
Tgt Ion:225 Resp: 120191
Ion Ratio Lower Upper
225 100
223 63.0 50.4 75.6
227 64.0 51.2 76.8



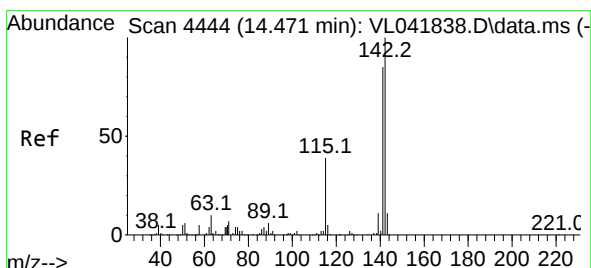
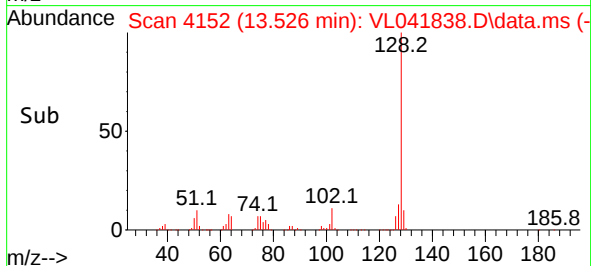
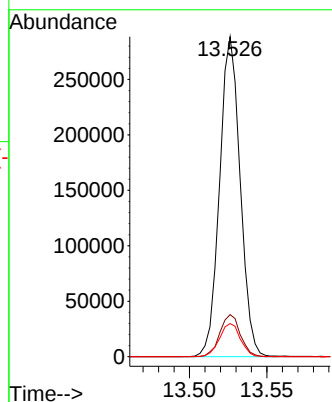


#79
Naphthalene
Concen: 12.698 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Instrument :
MSVOA_L
ClientSampleId :

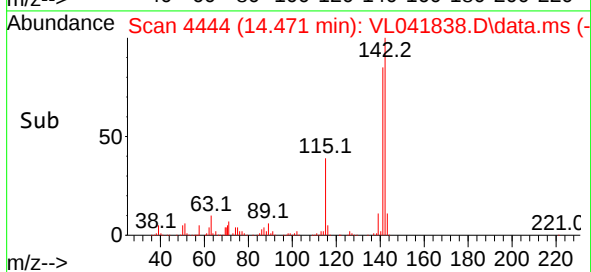
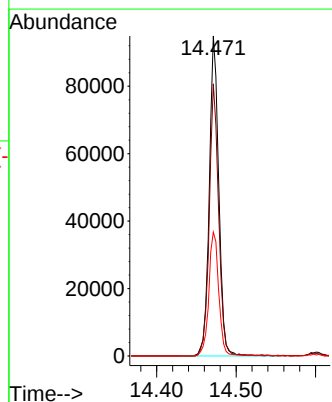
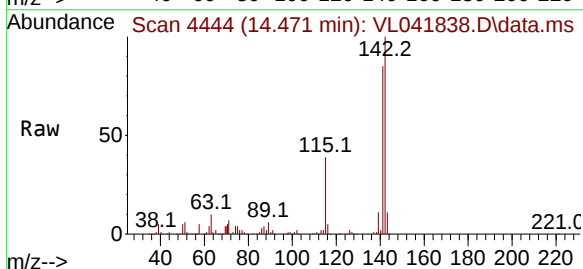


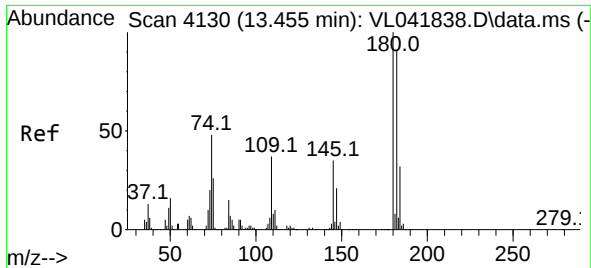
Tgt Ion:128 Resp: 266390
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.3 8.2 12.4



#80
Naphthalene,2-methyl-
Concen: 10.183 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL041838.D
Acq: 07 Jan 2025 09:18

Tgt Ion:142 Resp: 79067
Ion Ratio Lower Upper
142 100
141 84.8 67.8 101.6
115 40.7 32.7 49.1





#81

1,2,4-Trichlorobenzene

Concen: 10.148 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.000 min

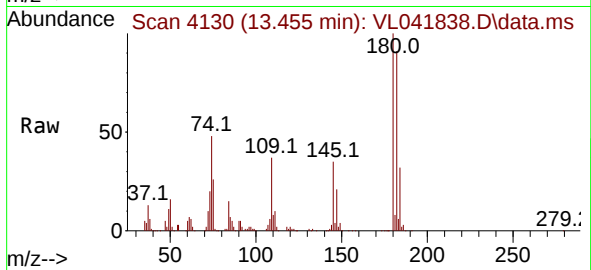
Lab File: VL041838.D

Acq: 07 Jan 2025 09:18

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 118002

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

184 31.0 24.8 37.2

