

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042838.D
 Acq On : 11 Aug 2025 12:07
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 02:12:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	123144	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	333006	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	293178	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	245580	10.394	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	264479	15.354	ppbv	100
3) Chlorodifluoromethane	1.476	51	331950	14.397	ppbv	99
4) Chloromethane	1.534	50	109204	15.120	ppbv	100
5) Vinyl Chloride	1.580	62	94873	13.761	ppbv	99
6) Bromomethane	1.667	94	39273	15.133	ppbv	98
7) Chloroethane	1.706	64	39116	15.018	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	216155	15.081	ppbv	98
9) Propene	1.482	41	111000	13.981	ppbv	100
10) Heptane	4.978	43	355821	18.540	ppbv	99
11) Trichlorofluoromethane	1.877	101	273822	15.893	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	211177	15.495	ppbv	99
13) Ethanol	1.722	45	8190	14.928	ppbv	91
14) Bromoethene	1.780	108	74332	14.934	ppbv	99
15) Acetone	1.835	43	221141	12.758	ppbv	99
16) 1,3-Butadiene	1.609	39	112077	14.753	ppbv	98
17) tert-Butyl alcohol	2.039	59	222401	14.847	ppbv	100
18) 1,1-Dichloroethene	2.036	96	88568	15.208	ppbv	95
19) Isopropyl Alcohol	1.884	45	125827	13.403	ppbv #	1
20) Methylene Chloride	2.062	84	78402	15.592	ppbv	97
21) Allyl Chloride	2.097	41	173605	15.807	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	99905	15.189	ppbv	90
23) Vinyl Acetate	2.460	43	364913	16.409	ppbv	99
24) 1,1-Dichloroethane	2.408	63	204044	15.018	ppbv	97
25) Ethyl Acetate	2.832	43	618582	15.850	ppbv	100
26) Hexane	2.826	57	271850	15.804	ppbv	99
27) Carbon Disulfide	2.149	76	248317	15.904	ppbv	95
28) Methyl tert-Butyl Ether	2.437	73	119209	14.979	ppbv	99
29) Chloroform	2.848	83	421823	15.076	ppbv	99
30) Cyclohexane	3.855	84	222934	18.492	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	261305	16.019	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	404263	15.294	ppbv	99
34) 2-Butanone	2.554	43	400820	16.159	ppbv	100
35) Carbon Tetrachloride	3.761	117	437193	15.168	ppbv	97
36) Benzene	3.654	78	530819	16.620	ppbv	99
37) 1,2-Dichloroethane	3.217	62	323247	15.586	ppbv	99
38) Trichloroethene	4.548	130	242156	15.080	ppbv	97
39) 1,2-Dichloropropane	4.311	63	194209	15.490	ppbv	94
40) 1,4-Dioxane	4.573	88	80582	16.796	ppbv #	96
41) Tetrahydrofuran	3.049	42	213662	17.993	ppbv	97
42) Bromodichloromethane	4.486	83	448065	16.045	ppbv	97
43) Methyl Methacrylate	4.874	69	201431	19.316	ppbv	99
44) 2,2,4-Trimethylpentane	4.638	57	932387	17.397	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	220656	19.144	ppbv	92

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

Instrument :
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Quant Time: Aug 12 02:12:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:58:08 2025
 Response via : Initial Calibration

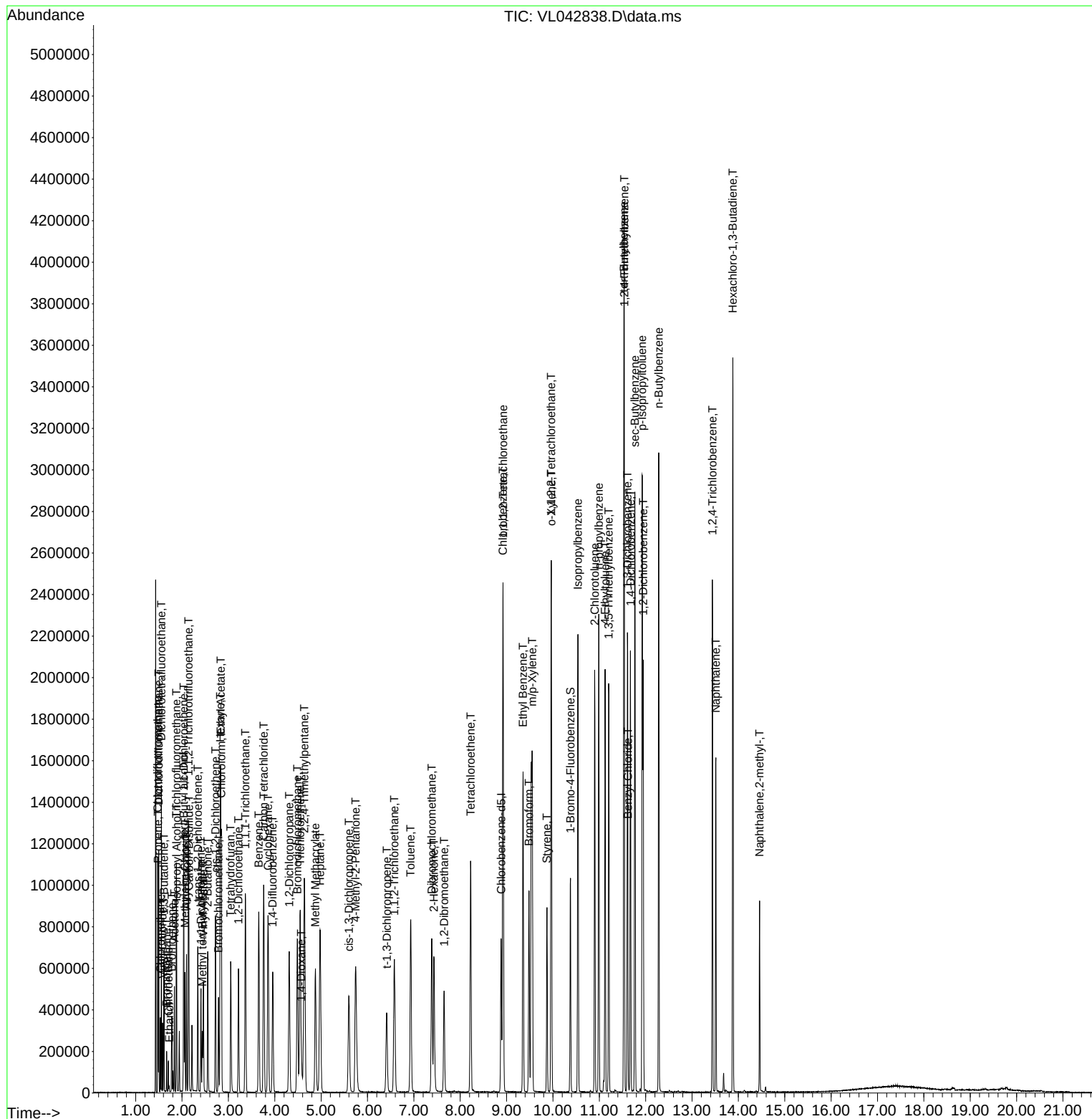
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.599	75	280525	18.204	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	213281	15.699	ppbv	99
48) Dibromochloromethane	7.386	129	362660	16.420	ppbv	99
49) Bromoform	9.483	173	322997	16.676	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	547258	19.095	ppbv	99
51) 2-Hexanone	7.431	43	435388	20.500	ppbv #	98
52) Tetrachloroethene	8.224	164	194436	16.274	ppbv	98
53) Toluene	6.930	91	593491	19.621	ppbv	100
54) 1,2-Dibromoethane	7.652	107	303699	16.639	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	276892	15.369	ppbv	98
57) Chlorobenzene	8.920	112	476460	15.269	ppbv	97
58) Ethyl Benzene	9.354	91	838527	19.681	ppbv	100
59) m/p-Xylene	9.551	91	660057	17.968	ppbv #	100
60) o-Xylene	9.966	91	689257	19.120	ppbv	100
61) Styrene	9.869	104	291252	15.585	ppbv	99
62) Isopropylbenzene	10.539	105	997585	18.264	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.962	83	393089	14.632	ppbv	100
64) n-propylbenzene	10.989	120	265863	18.781	ppbv	96
65) tert-Butylbenzene	11.532	119	894517	18.503	ppbv	100
66) Benzyl Chloride	11.616	91	91503	17.680	ppbv	100
67) sec-Butylbenzene	11.769	105	1258264	17.633	ppbv	100
69) p-Isopropyltoluene	11.924	119	1072324	18.914	ppbv	99
70) n-Butylbenzene	12.280	91	1076036	19.037	ppbv	99
71) 2-Chlorotoluene	10.901	91	764546	19.074	ppbv	100
72) 4-Ethyltoluene	11.124	105	857695	19.850	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	714270	19.194	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	778066	17.815	ppbv #	89
75) 1,3-Dichlorobenzene	11.607	146	505346	16.100	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	502681	17.122	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	484440	15.172	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	373821	13.690	ppbv	100
79) Naphthalene	13.513	128	715434	15.034	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	236679	24.862	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	406215	19.530	ppbv	99

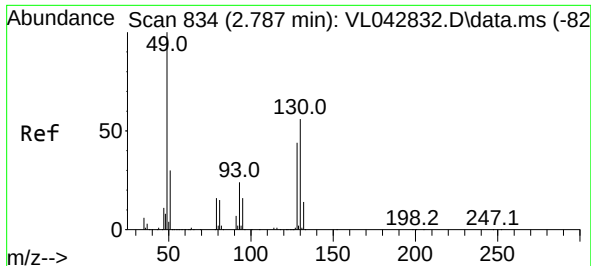
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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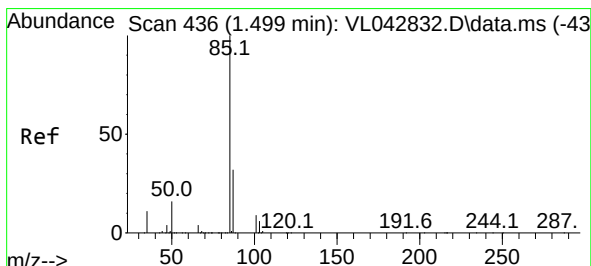
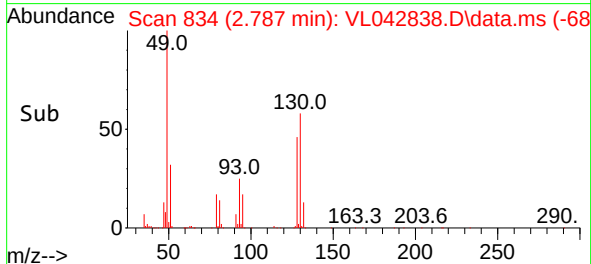
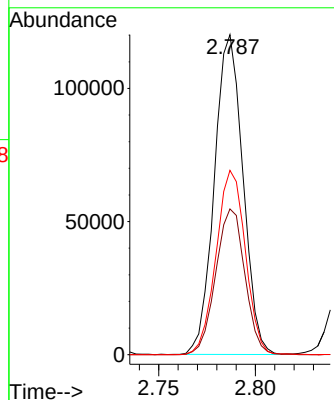
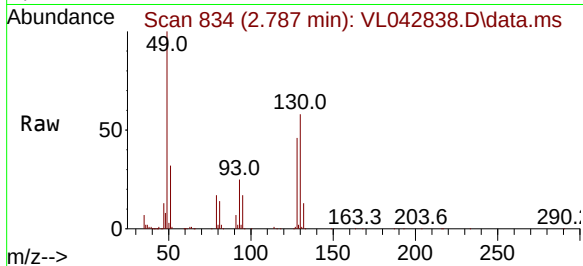




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

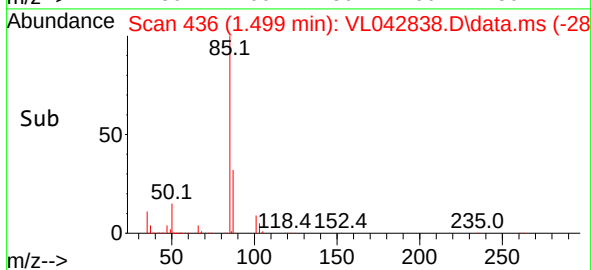
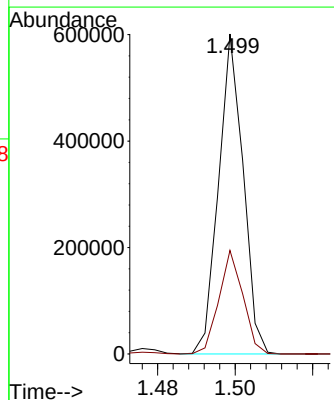
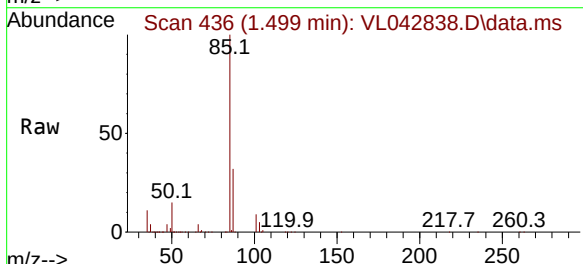
Instrument :
 MSVOA_L
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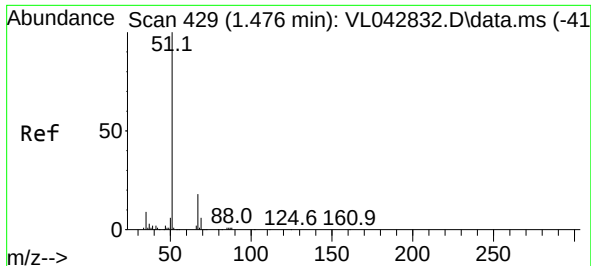
Tgt Ion: 49 Resp: 123144
 Ion Ratio Lower Upper
 49 100
 128 46.5 23.2 69.6
 130 59.2 29.0 87.1



#2
 Dichlorodifluoromethane
 Concen: 15.354 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 85 Resp: 264479
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9

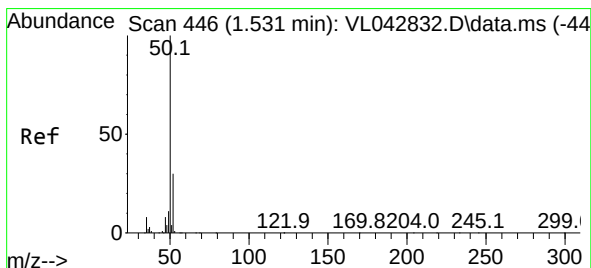
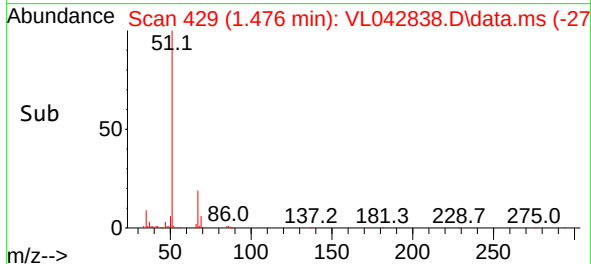
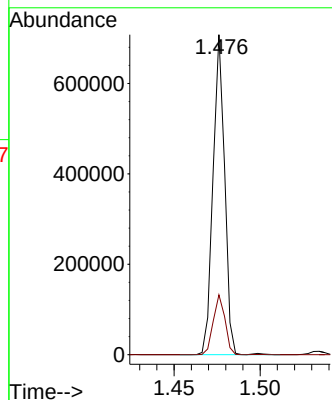
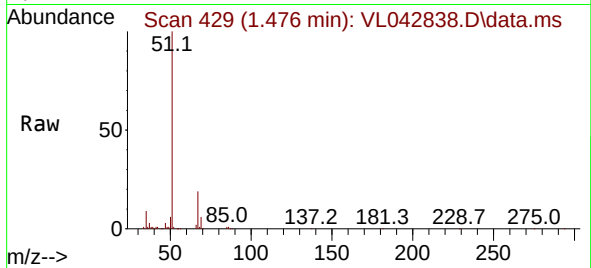




#3
Chlorodifluoromethane
Concen: 14.397 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

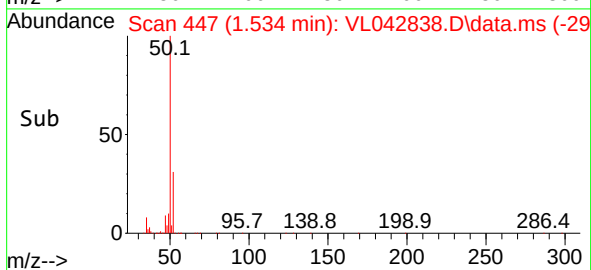
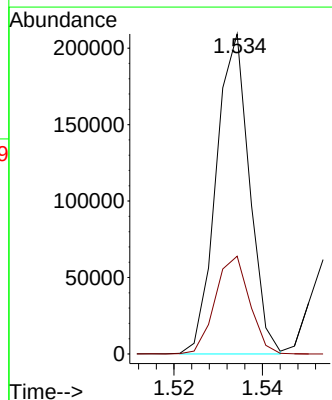
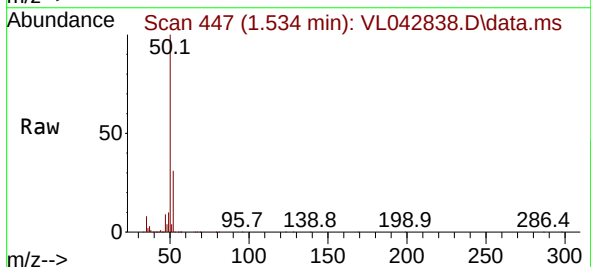
Instrument :
MSVOA_L
ClientSampleId :

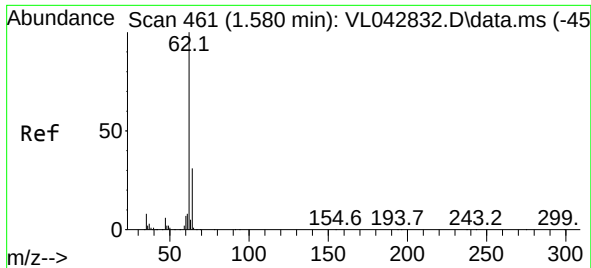
Tgt Ion: 51 Resp: 331950
Ion Ratio Lower Upper
51 100
67 18.9 14.7 22.1



#4
Chloromethane
Concen: 15.120 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 50 Resp: 109204
Ion Ratio Lower Upper
50 100
52 30.5 24.3 36.5

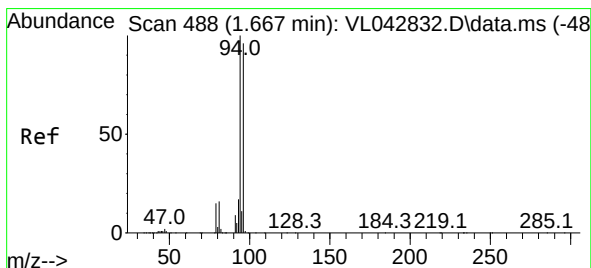
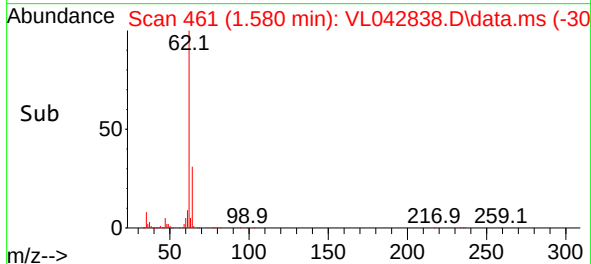
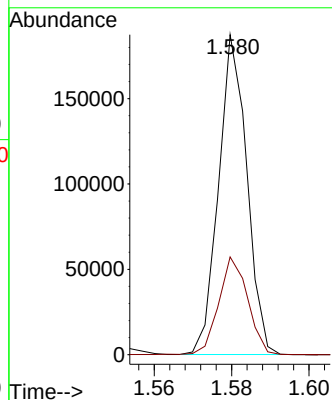
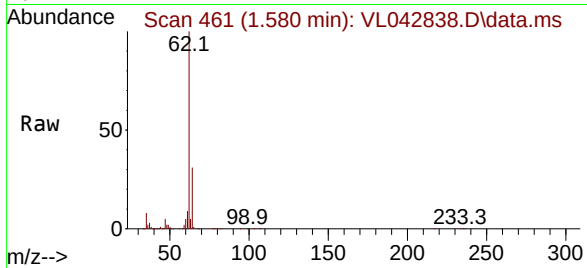




#5
 Vinyl Chloride
 Concen: 13.761 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

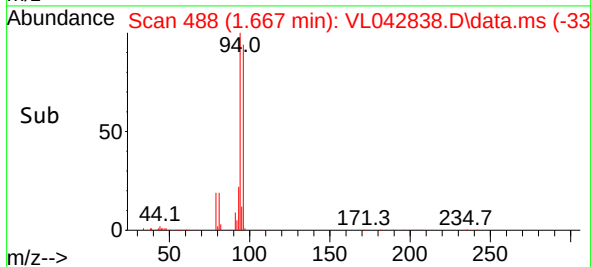
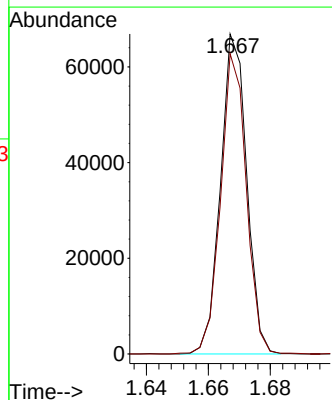
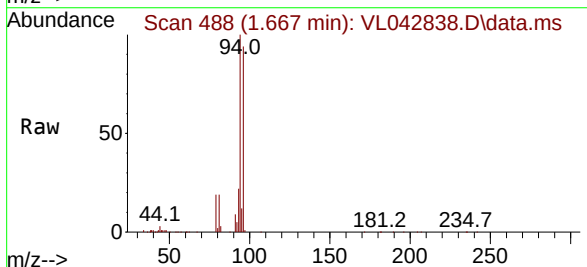
Instrument :
 MSVOA_1
 ClientSampleId :

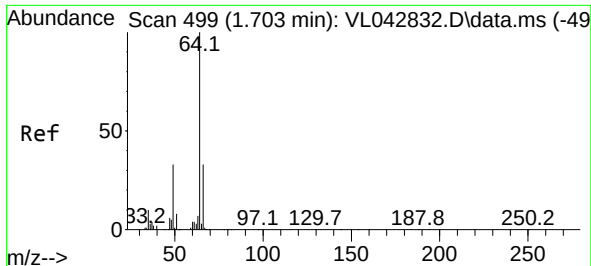
Tgt Ion: 62 Resp: 94873
 Ion Ratio Lower Upper
 62 100
 64 30.5 24.9 37.3



#6
 Bromomethane
 Concen: 15.133 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 94 Resp: 39273
 Ion Ratio Lower Upper
 94 100
 96 93.6 76.2 114.4

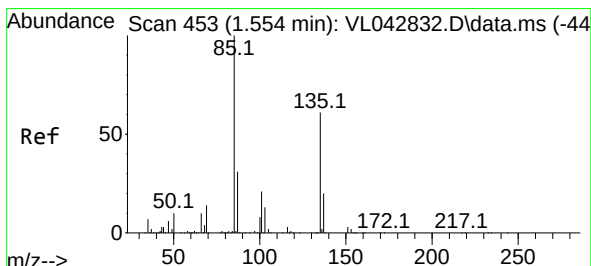
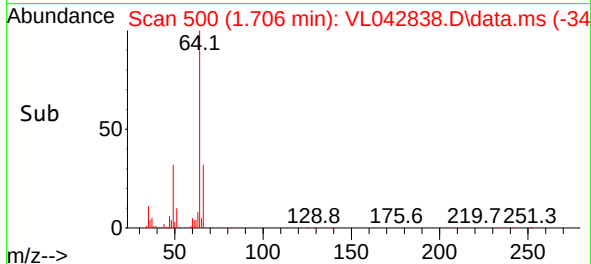
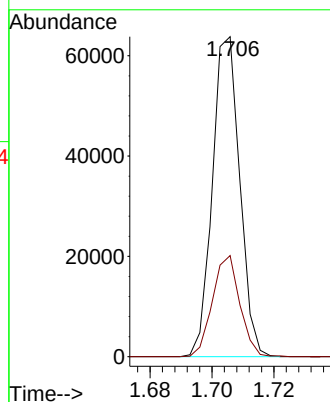
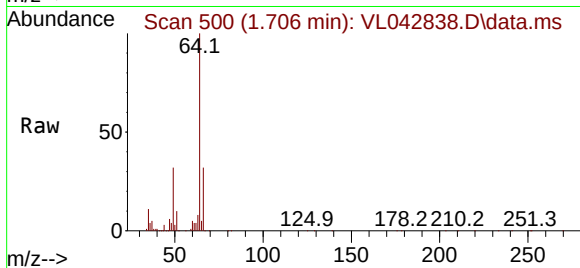




#7
Chloroethane
Concen: 15.018 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

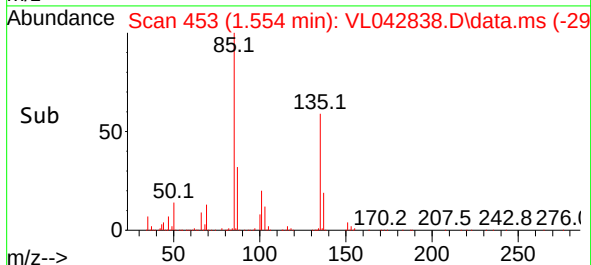
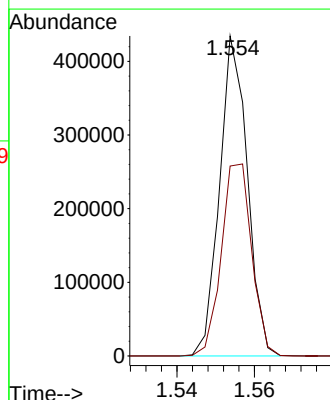
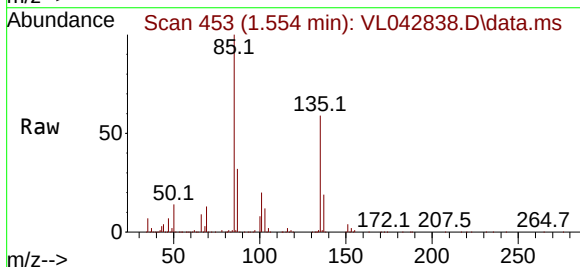
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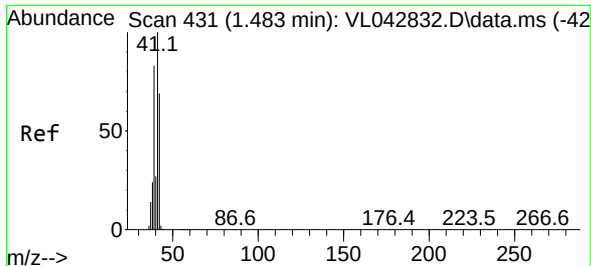
Tgt Ion: 64 Resp: 39116
Ion Ratio Lower Upper
64 100
66 31.6 26.6 40.0



#8
Dichlorotetrafluoroethane
Concen: 15.081 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 85 Resp: 216155
Ion Ratio Lower Upper
85 100
135 66.0 51.8 77.8

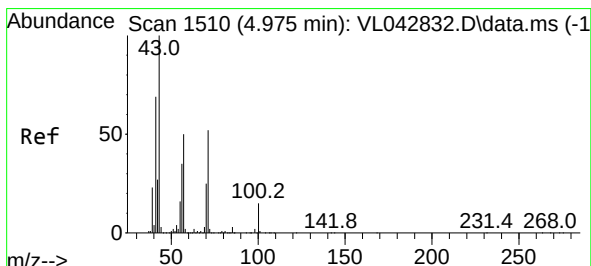
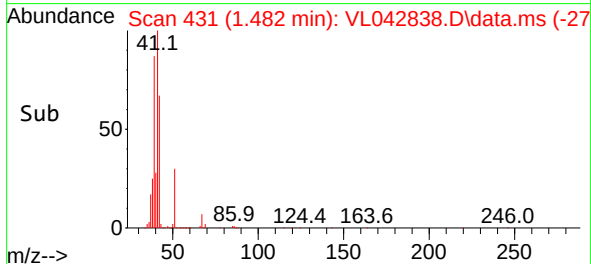
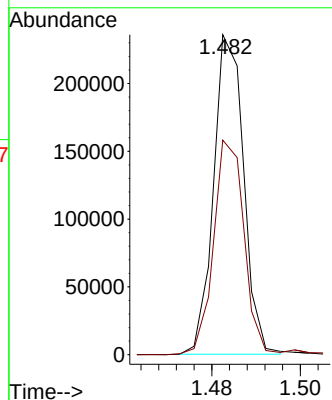
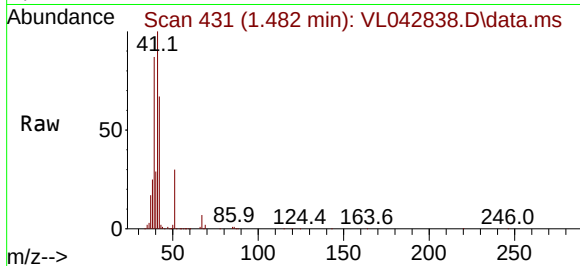




#9
 Propene
 Concen: 13.981 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

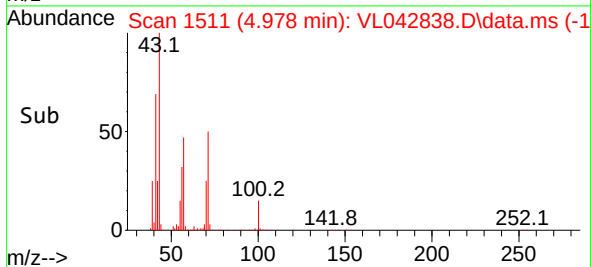
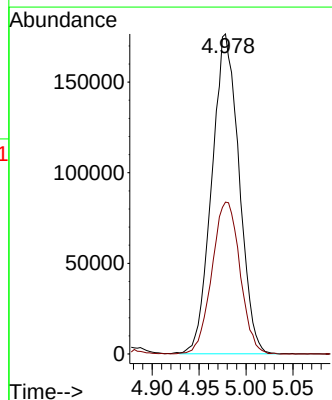
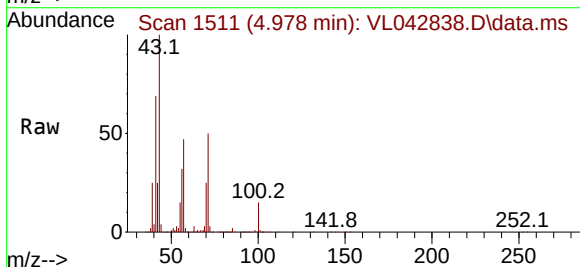
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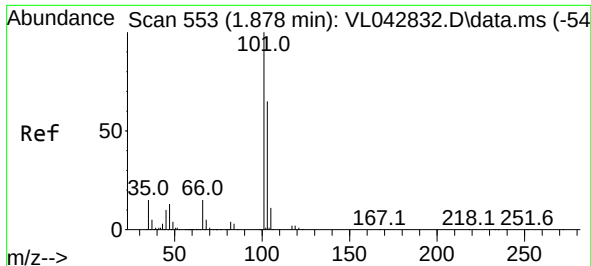
Tgt Ion: 41 Resp: 111000
 Ion Ratio Lower Upper
 41 100
 42 69.4 55.4 83.0



#10
 Heptane
 Concen: 18.540 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.003 min
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Tgt Ion: 43 Resp: 355821
 Ion Ratio Lower Upper
 43 100
 57 49.0 38.7 58.1

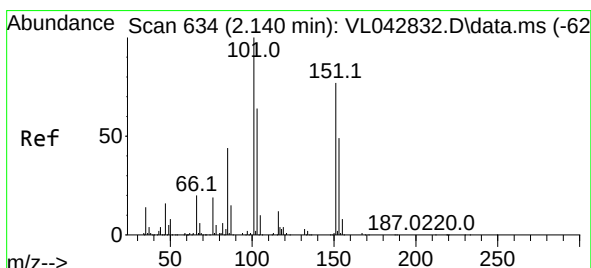
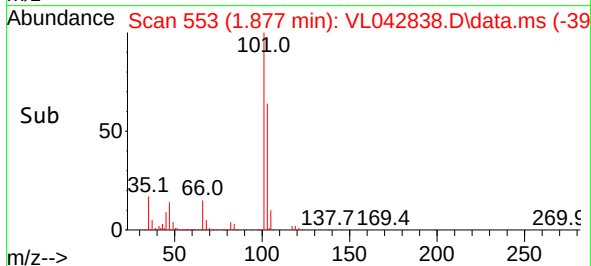
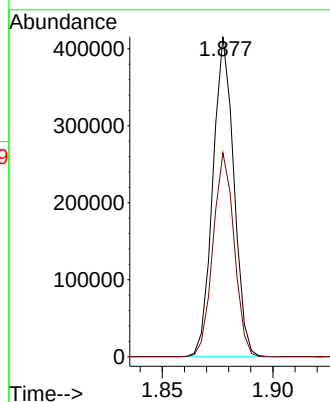
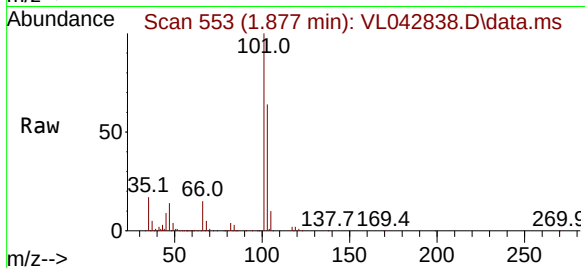




#11
 Trichlorofluoromethane
 Concen: 15.893 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

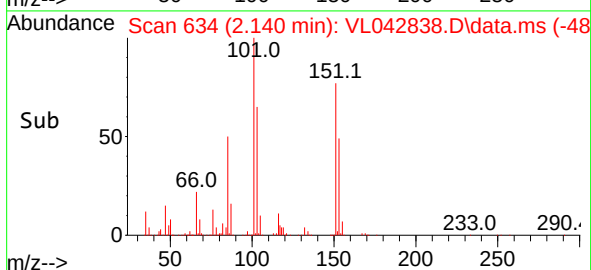
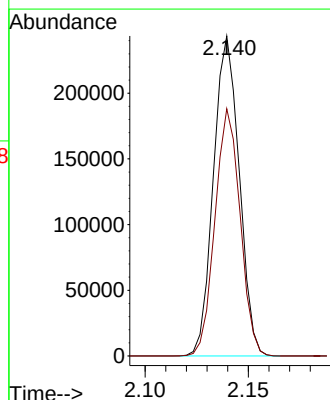
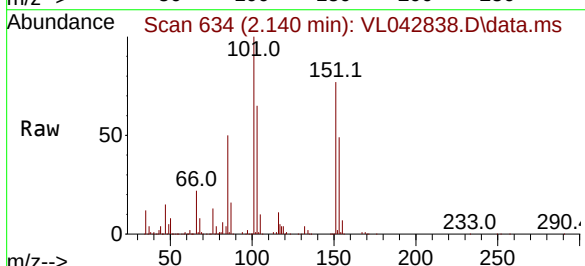
Instrument :
 MSVOA_L
 ClientSampleId :

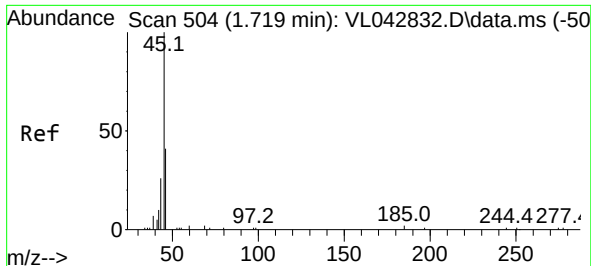
Tgt Ion:101 Resp: 273822
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 15.495 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion:101 Resp: 211177
 Ion Ratio Lower Upper
 101 100
 151 75.4 59.3 88.9

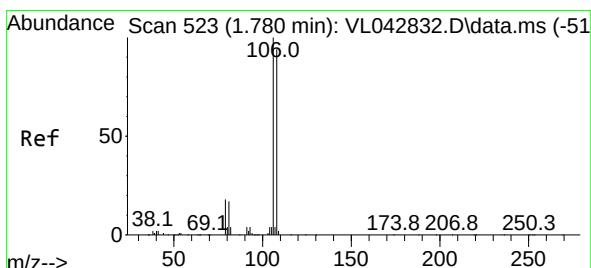
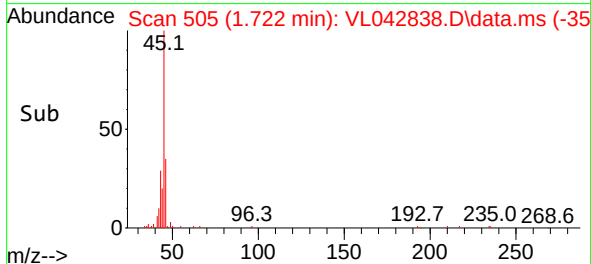
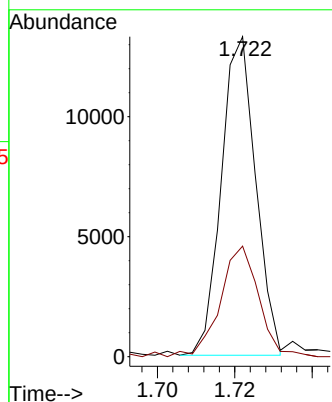
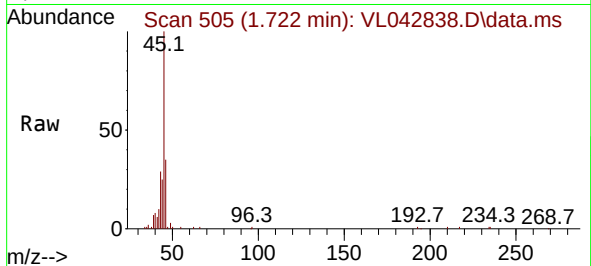




#13
Ethanol
Concen: 14.928 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

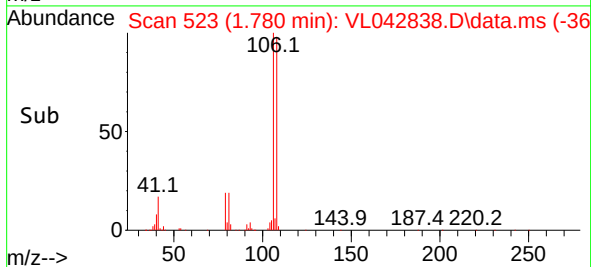
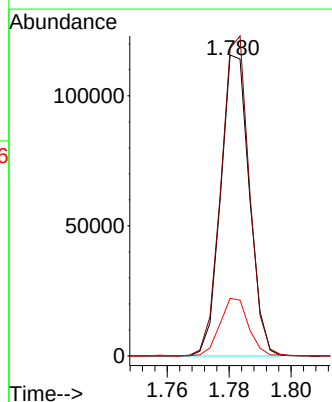
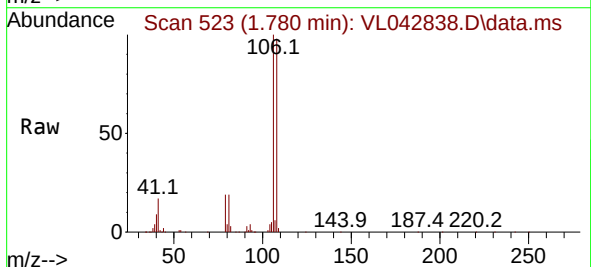
Instrument :
MSVOA_L
ClientSampleId :

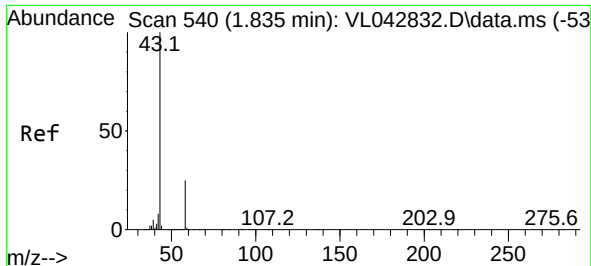
Tgt Ion: 45 Resp: 8190
Ion Ratio Lower Upper
45 100
46 39.2 18.1 72.5



#14
Bromoethene
Concen: 14.934 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 108 Resp: 74332
Ion Ratio Lower Upper
108 100
106 104.8 82.6 123.8
79 19.5 15.9 23.9

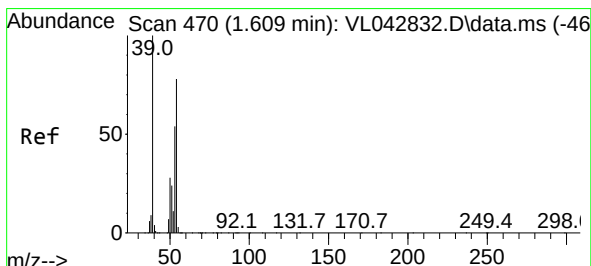
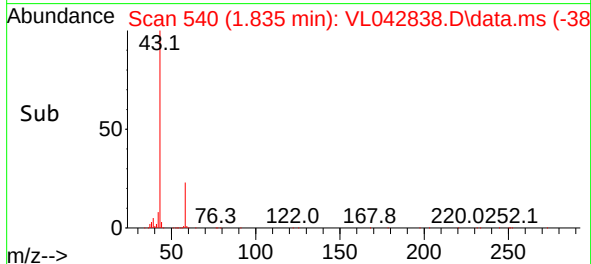
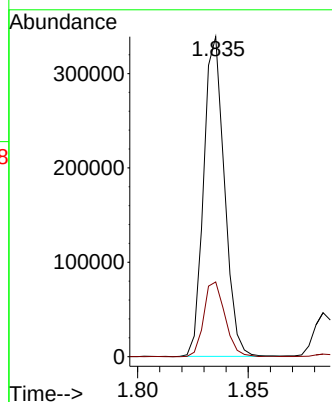
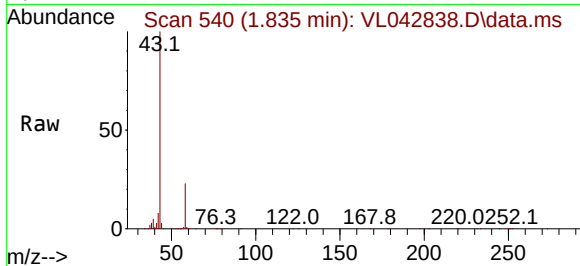




#15
Acetone
Concen: 12.758 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

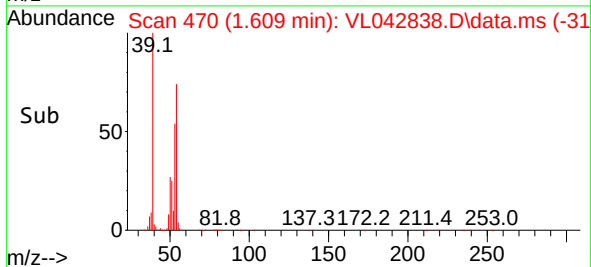
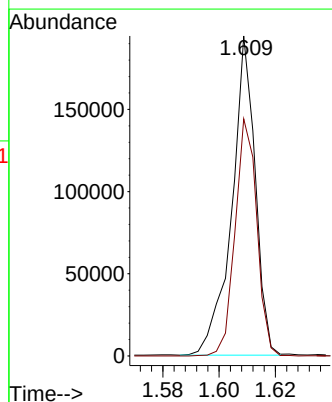
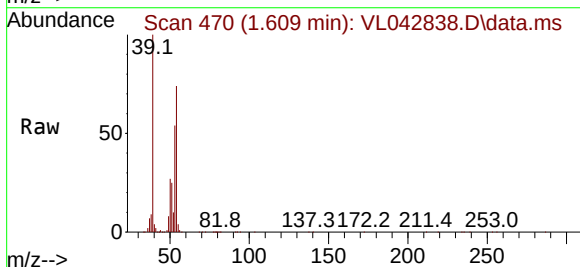
Instrument :
MSVOA_L
ClientSampleId :

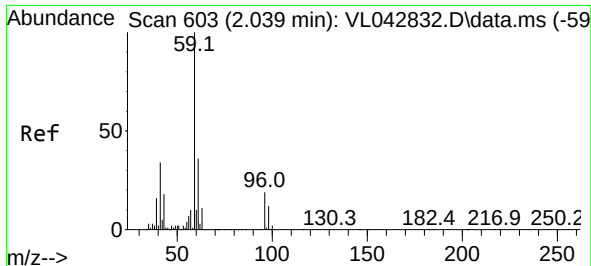
Tgt Ion: 43 Resp: 221141
Ion Ratio Lower Upper
43 100
58 24.1 19.5 29.3



#16
1,3-Butadiene
Concen: 14.753 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 39 Resp: 112077
Ion Ratio Lower Upper
39 100
54 68.9 54.1 81.1





#17

tert-Butyl alcohol

Concen: 14.847 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

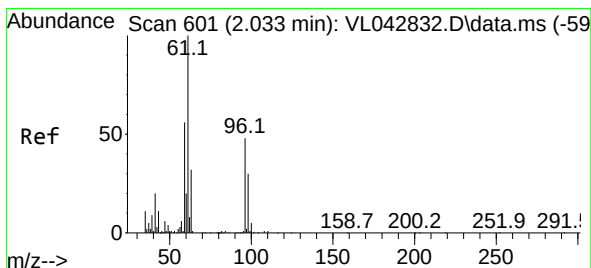
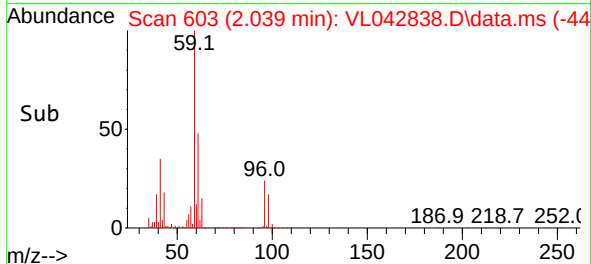
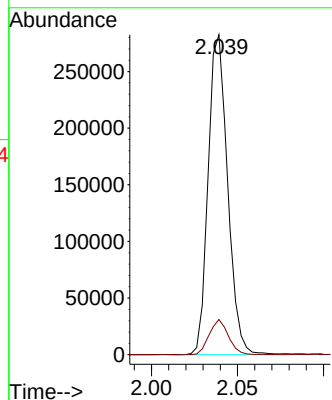
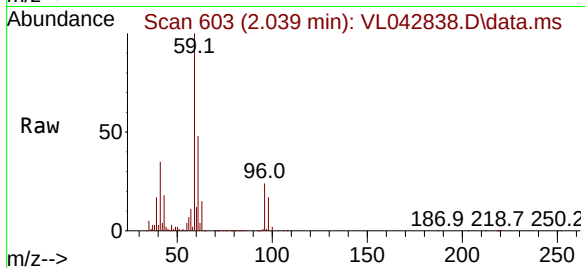
ClientSampleId :

Tgt Ion: 59 Resp: 222401

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 15.208 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

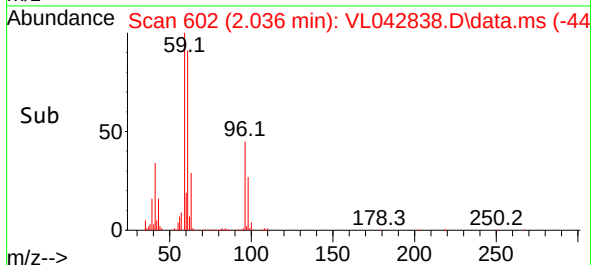
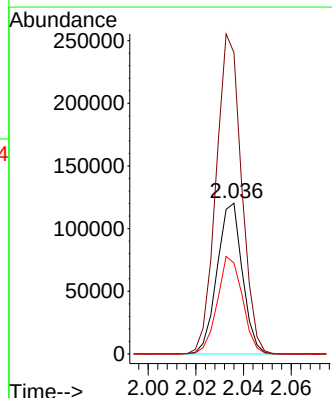
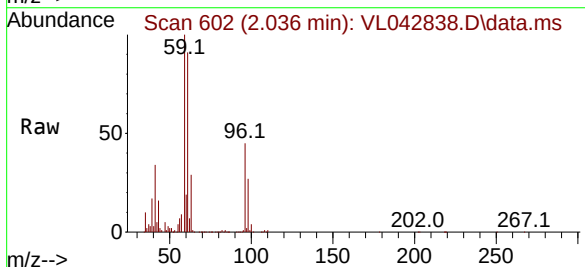
Tgt Ion: 96 Resp: 88568

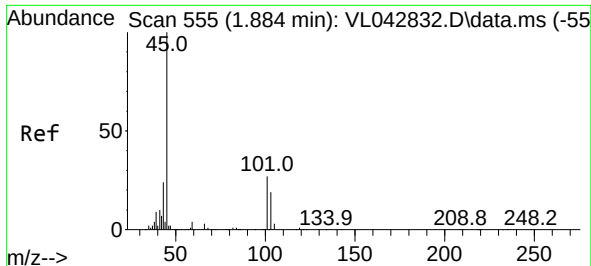
Ion Ratio Lower Upper

96 100

61 199.9 167.9 251.9

98 60.4 49.6 74.4

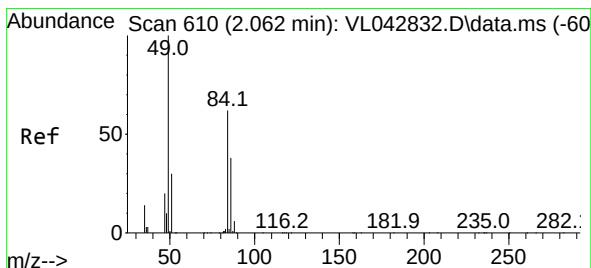
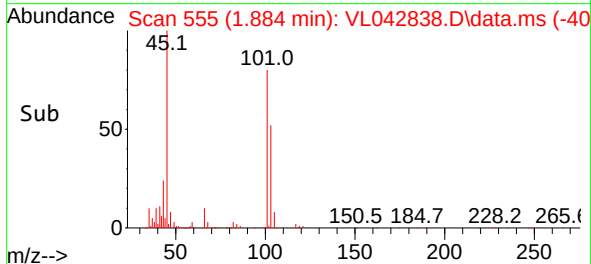
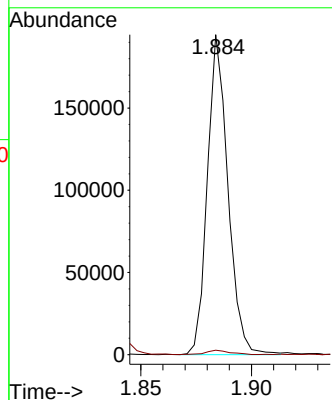
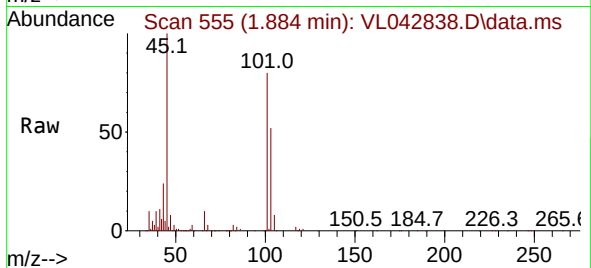




#19
Isopropyl Alcohol
Concen: 13.403 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

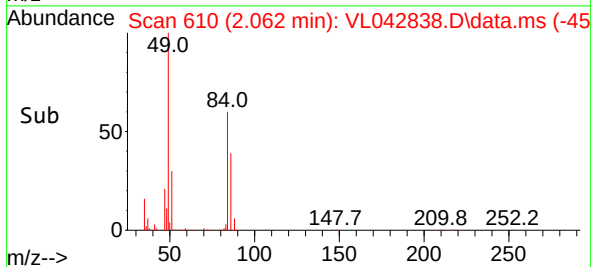
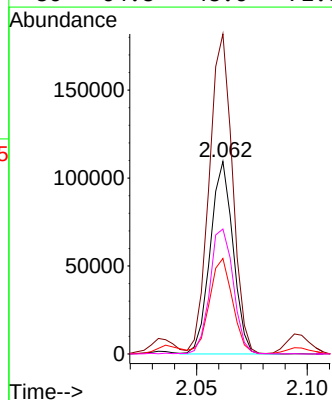
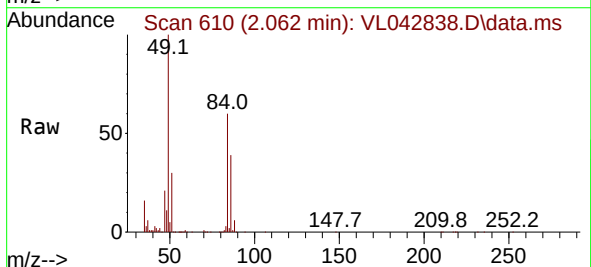
Instrument :
MSVOA_L
ClientSampleId :

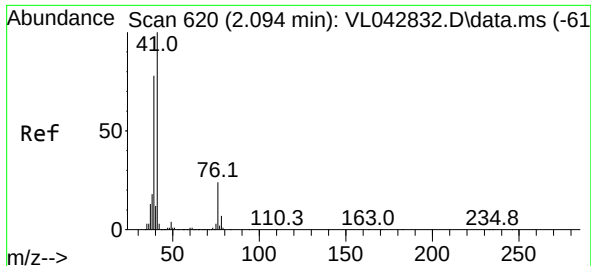
Tgt Ion: 45 Resp: 125827
Ion Ratio Lower Upper
45 100
58 42.4 1.6 2.4#



#20
Methylene Chloride
Concen: 15.592 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 84 Resp: 78402
Ion Ratio Lower Upper
84 100
49 163.8 129.3 193.9
51 48.7 41.1 61.7
86 64.8 48.6 72.8

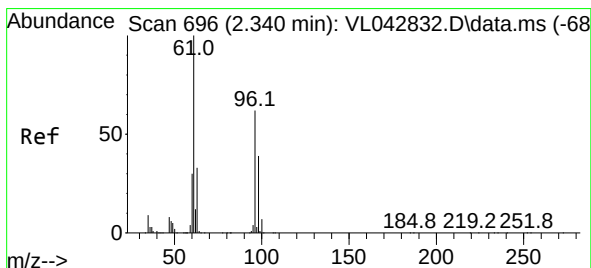
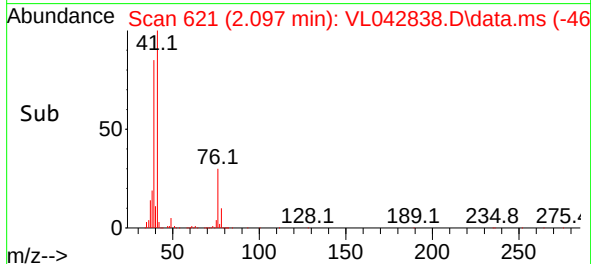
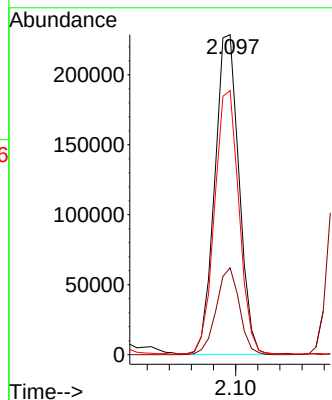
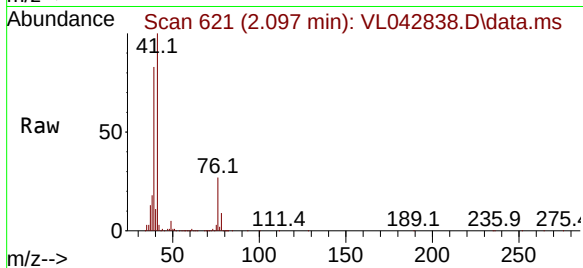




#21
 Allyl Chloride
 Concen: 15.807 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

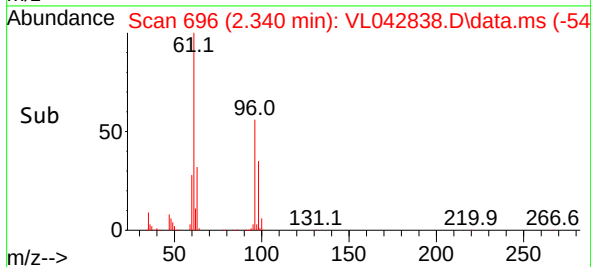
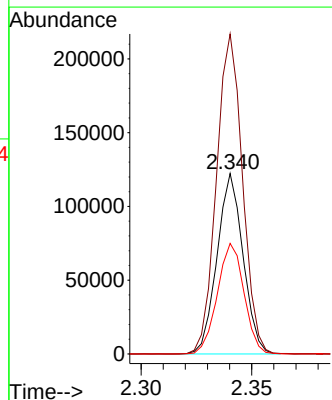
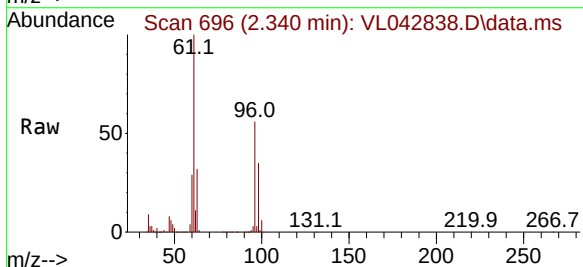
Instrument :
 MSVOA_L
 ClientSampleId :

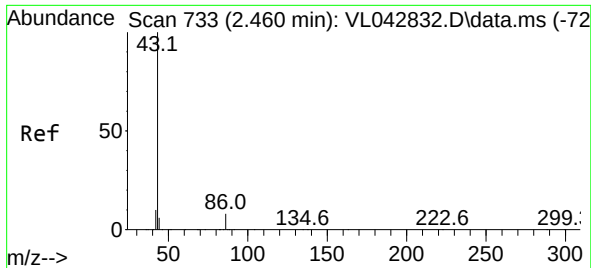
Tgt Ion: 41 Resp: 173605
 Ion Ratio Lower Upper
 41 100
 76 26.0 20.4 30.6
 39 83.5 66.2 99.2



#22
 trans-1,2-Dichloroethene
 Concen: 15.189 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

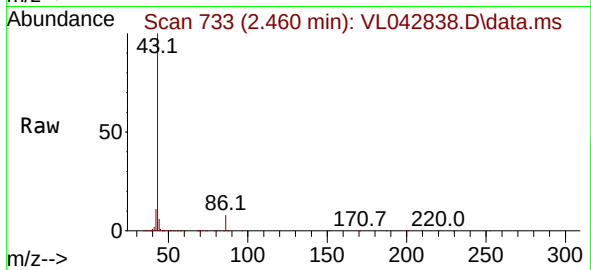
Tgt Ion: 96 Resp: 99905
 Ion Ratio Lower Upper
 96 100
 61 177.1 128.1 192.1
 98 61.3 50.2 75.4



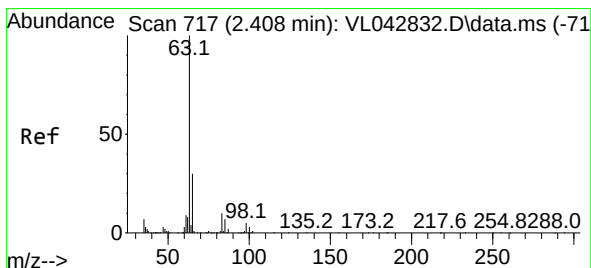
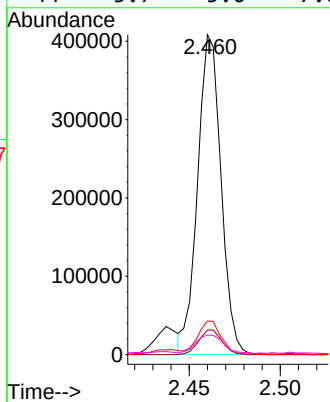
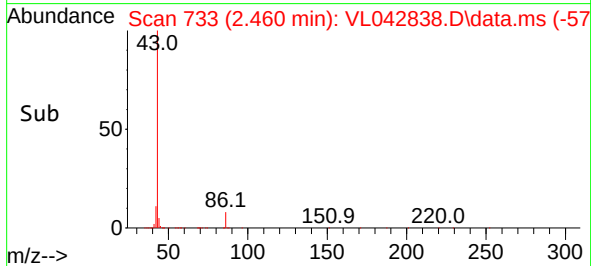


#23
 Vinyl Acetate
 Concen: 16.409 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

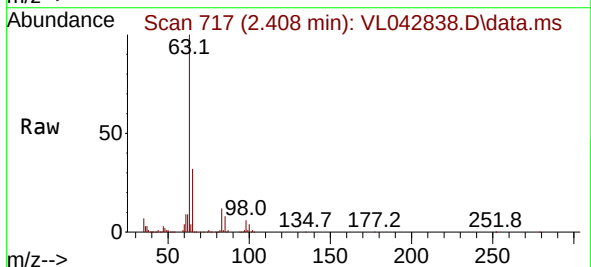
Instrument :
 MSVOA_L
 ClientSampleId :



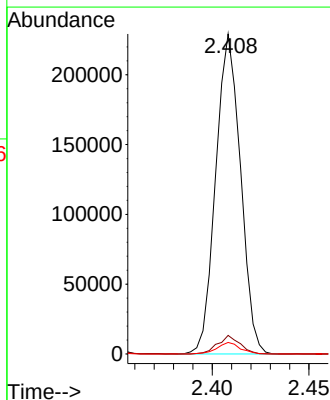
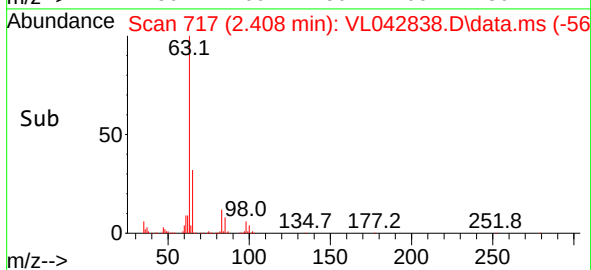
Tgt	Ion: 43	Resp:	364913
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0
42	10.5	8.5	12.7
44	5.7	5.0	7.6

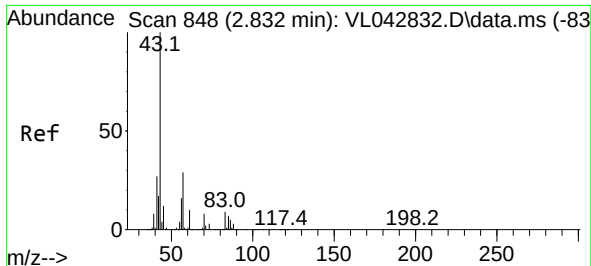


#24
 1,1-Dichloroethane
 Concen: 15.018 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07



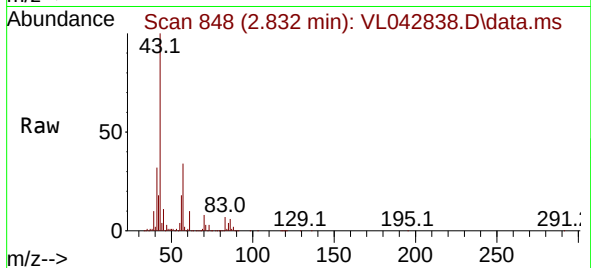
Tgt Ion: 63	Resp: 204044
Ion Ratio	Lower Upper
63 100	
98 5.8	2.4 7.1
100 3.6	1.6 4.7





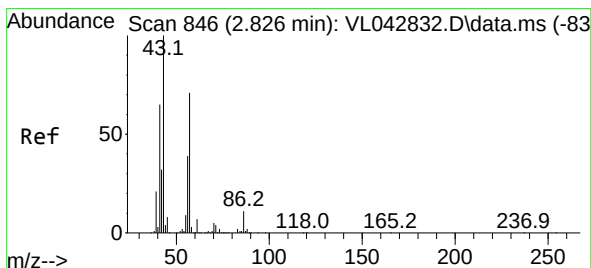
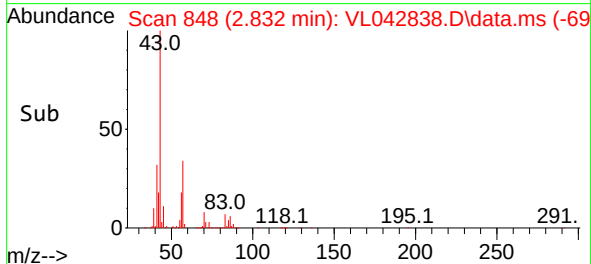
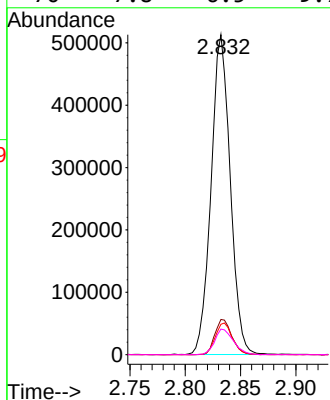
#25
Ethyl Acetate
Concen: 15.850 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 618582

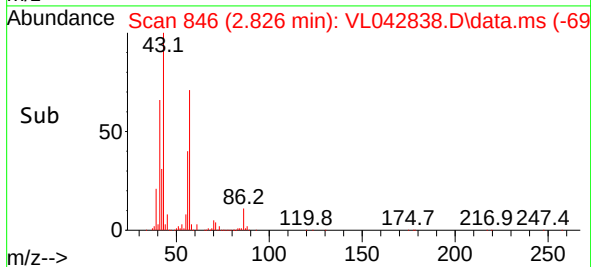
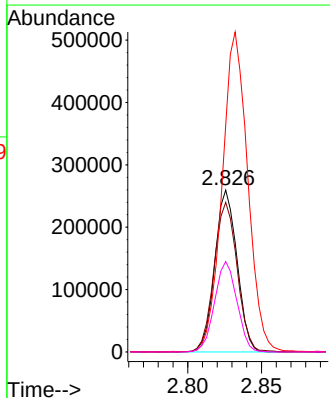
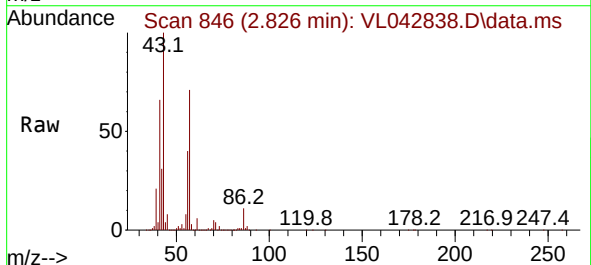
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.0	7.0	10.6
70	7.8	6.5	9.7

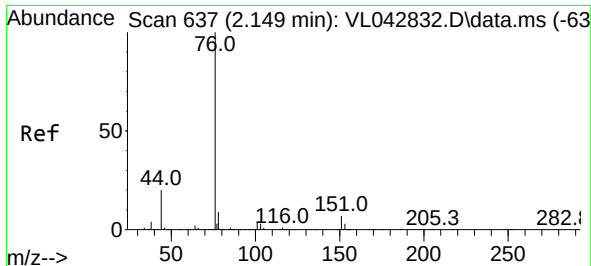


#26
Hexane
Concen: 15.804 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 57 Resp: 271850

Ion	Ratio	Lower	Upper
57	100		
41	96.6	76.8	115.2
43	228.6	185.4	278.2
56	56.2	45.2	67.8





#27

Carbon Disulfide

Concen: 15.904 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

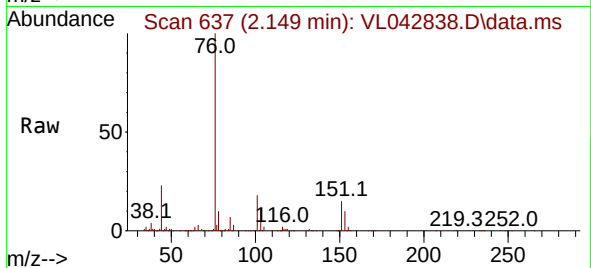
Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :



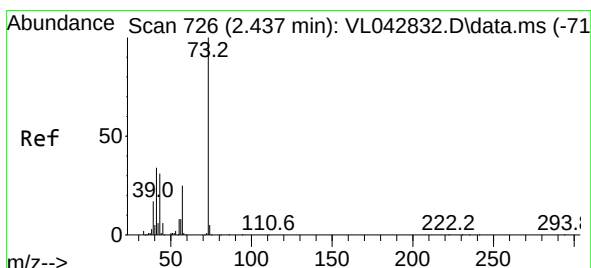
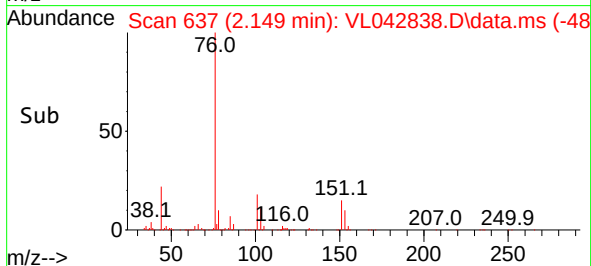
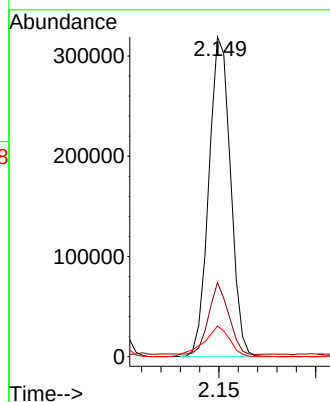
Tgt Ion: 76 Resp: 248317

Ion Ratio Lower Upper

76 100

44 20.7 19.4 29.0

78 11.5 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 14.979 ppbv

RT: 2.437 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL042838.D

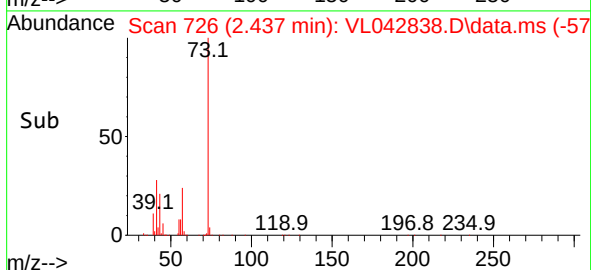
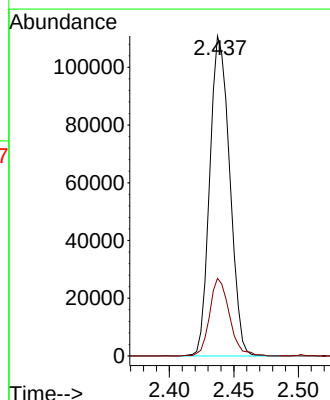
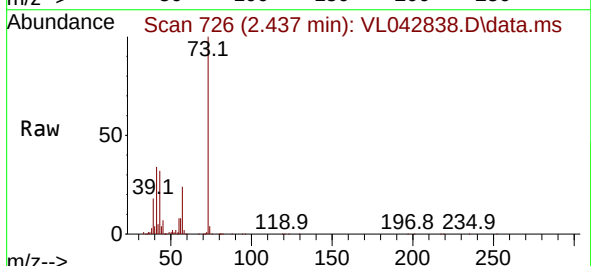
Acq: 11 Aug 2025 12:07

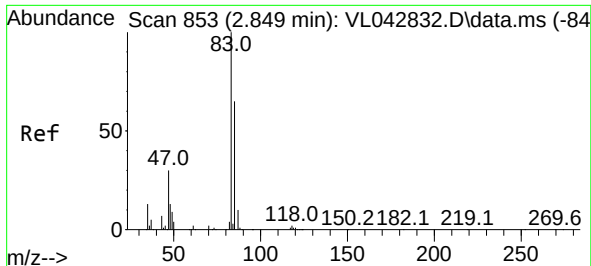
Tgt Ion: 73 Resp: 119209

Ion Ratio Lower Upper

73 100

57 24.1 18.9 28.3





#29

Chloroform

Concen: 15.076 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

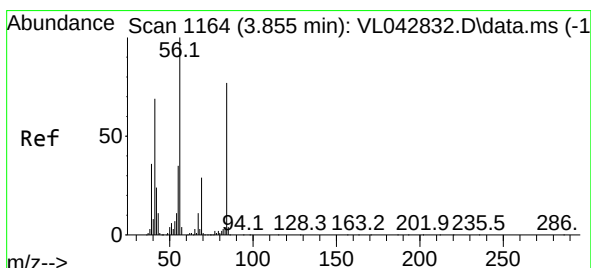
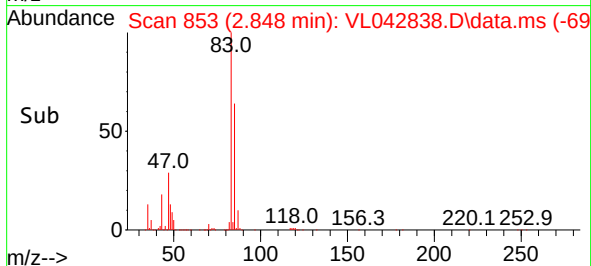
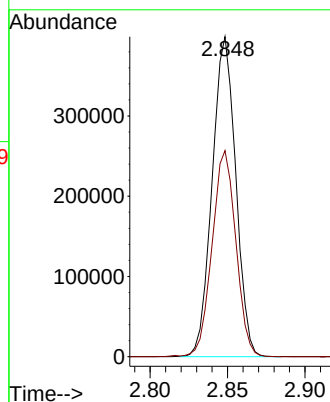
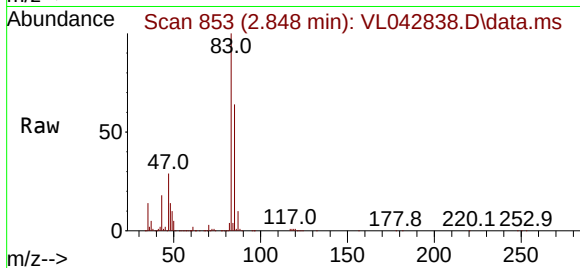
ClientSampleId :

Tgt Ion: 83 Resp: 421823

Ion Ratio Lower Upper

83 100

85 64.4 51.9 77.9



#30

Cyclohexane

Concen: 18.492 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

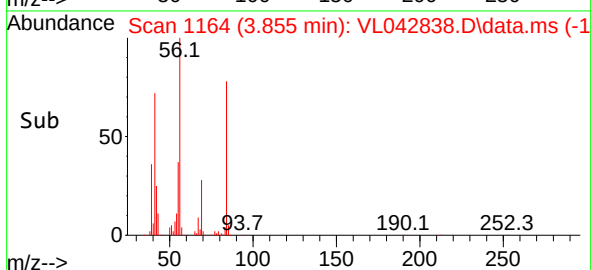
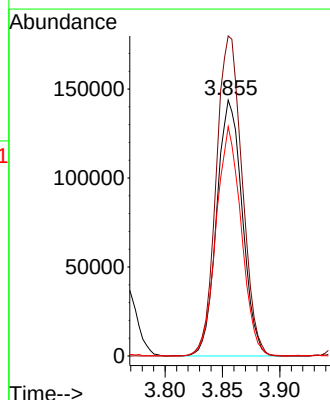
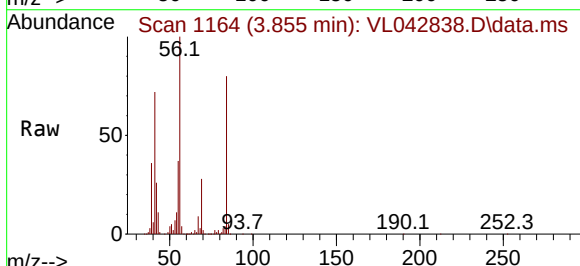
Tgt Ion: 84 Resp: 222934

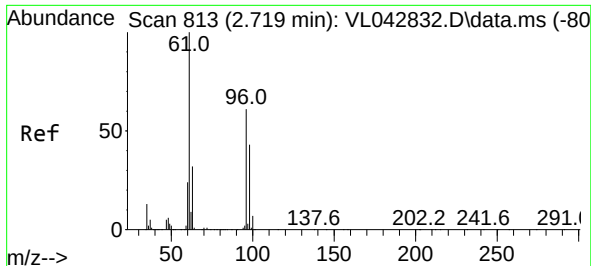
Ion Ratio Lower Upper

84 100

56 126.6 102.9 154.3

41 87.8 72.2 108.4

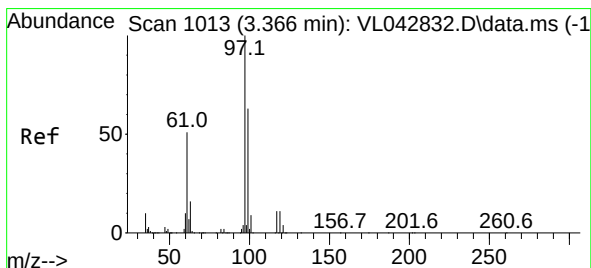
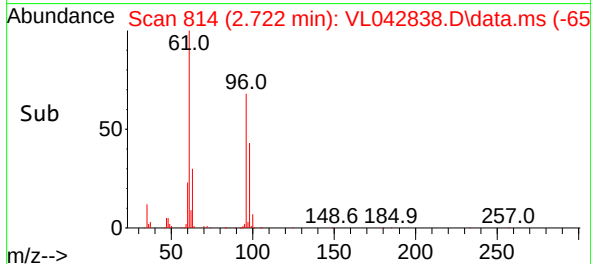
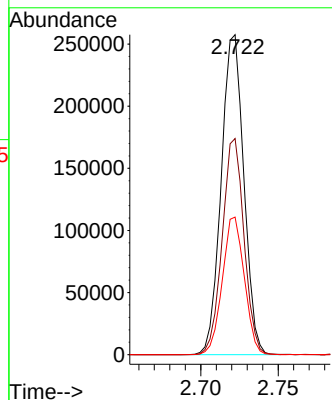
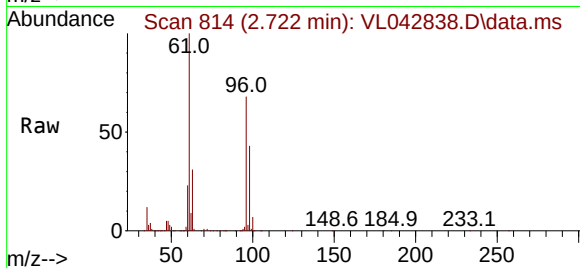




#31
 cis-1,2-Dichloroethene
 Concen: 16.019 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

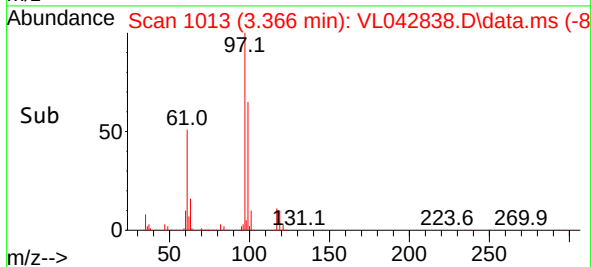
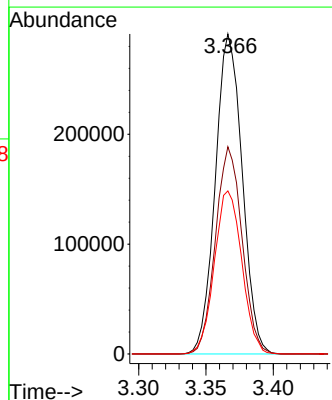
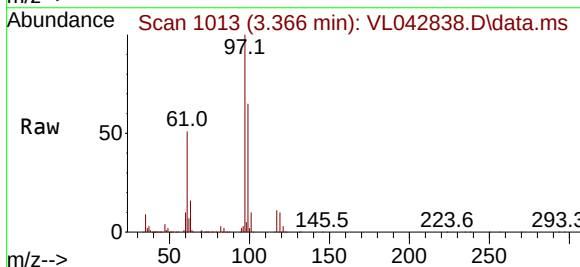
Instrument :
 MSVOA_L
 ClientSampleId :

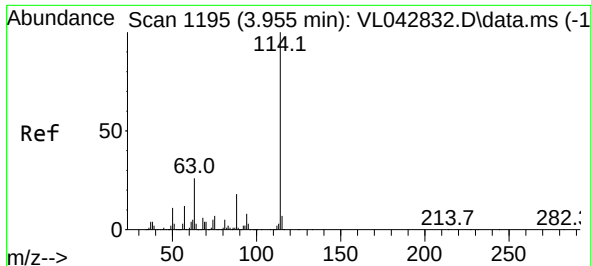
Tgt Ion: 61 Resp: 261305
 Ion Ratio Lower Upper
 61 100
 96 67.6 49.1 73.7
 98 43.0 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 15.294 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 97 Resp: 404263
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.7 76.1
 61 52.2 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

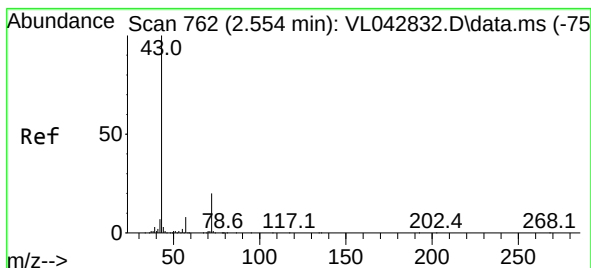
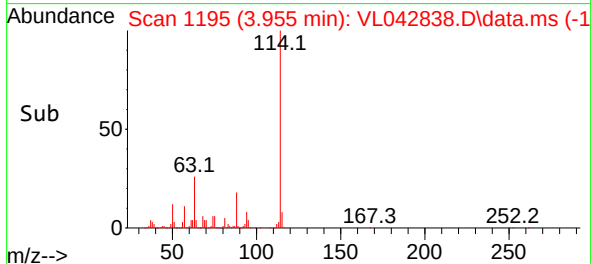
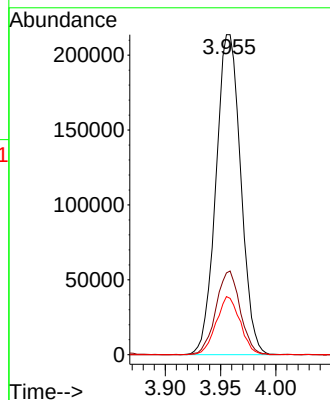
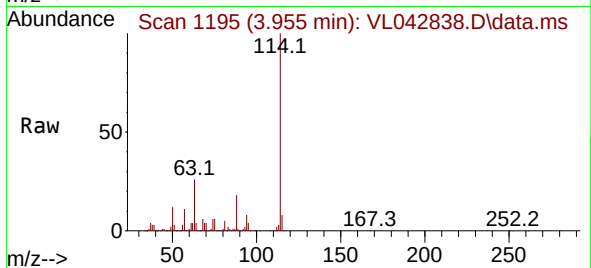
Tgt Ion:114 Resp: 333006

Ion Ratio Lower Upper

114 100

63 25.6 21.0 31.6

88 17.6 13.8 20.8



#34

2-Butanone

Concen: 16.159 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042838.D

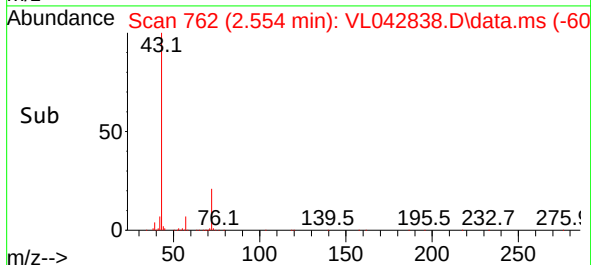
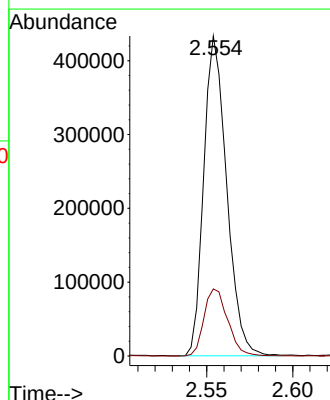
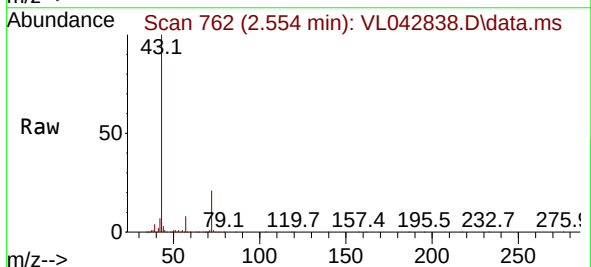
Acq: 11 Aug 2025 12:07

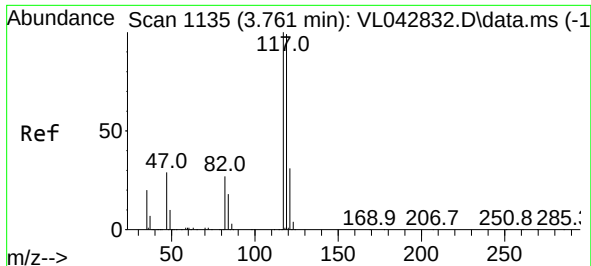
Tgt Ion: 43 Resp: 400820

Ion Ratio Lower Upper

43 100

72 21.7 17.2 25.8

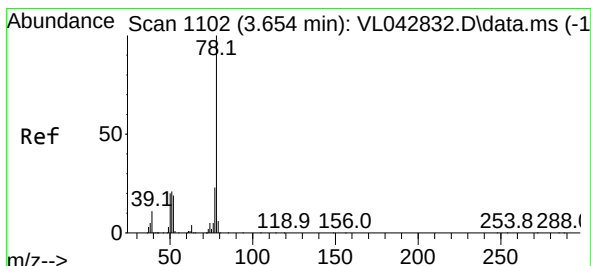
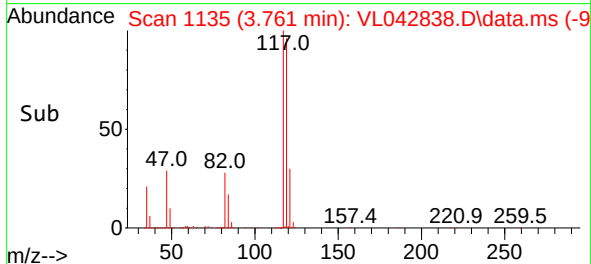
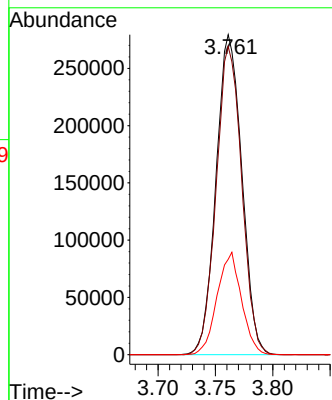
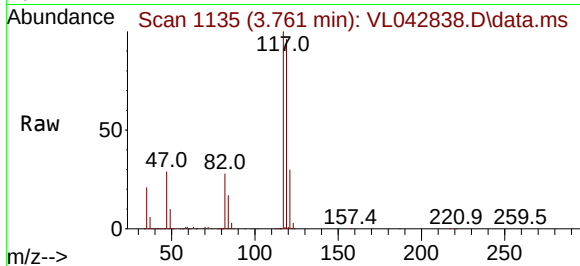




#35
Carbon Tetrachloride
Concen: 15.168 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

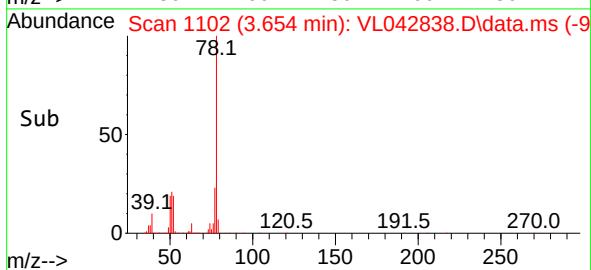
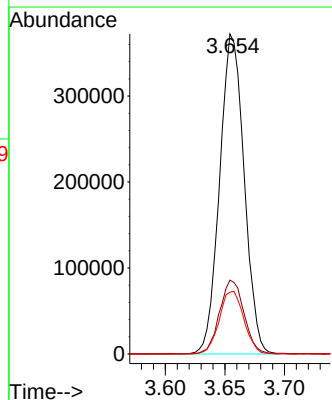
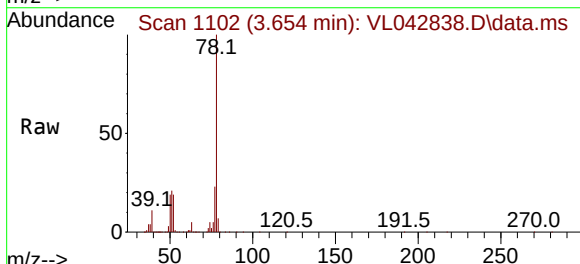
Instrument :
MSVOA_L
ClientSampleId :

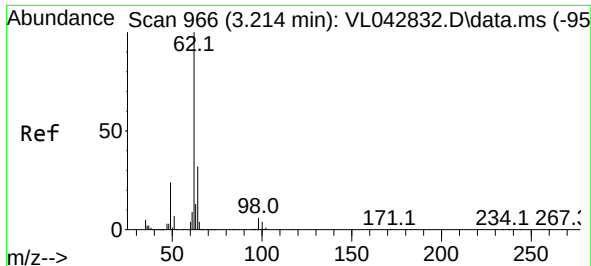
Tgt Ion:117 Resp: 437193
Ion Ratio Lower Upper
117 100
119 96.3 79.3 118.9
121 29.8 25.0 37.4



#36
Benzene
Concen: 16.620 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 78 Resp: 530819
Ion Ratio Lower Upper
78 100
77 23.0 18.5 27.7
50 19.2 15.8 23.8





#37

1,2-Dichloroethane

Concen: 15.586 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

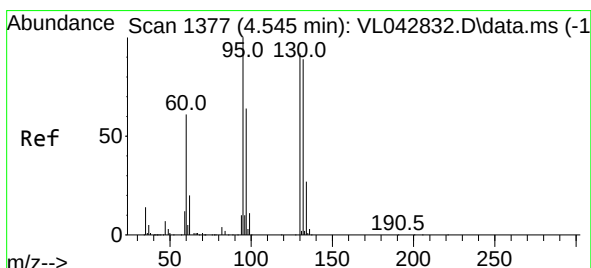
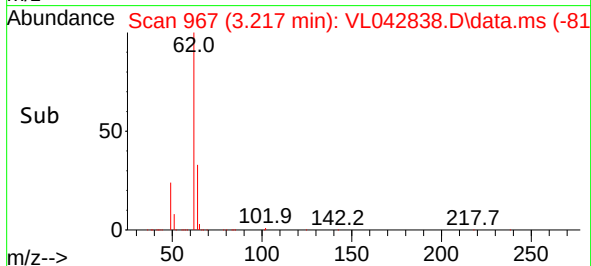
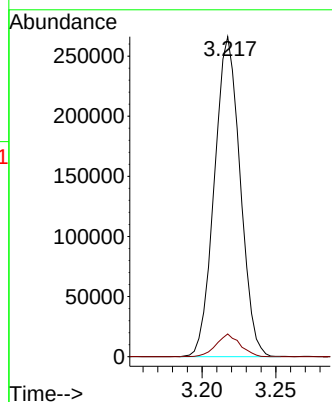
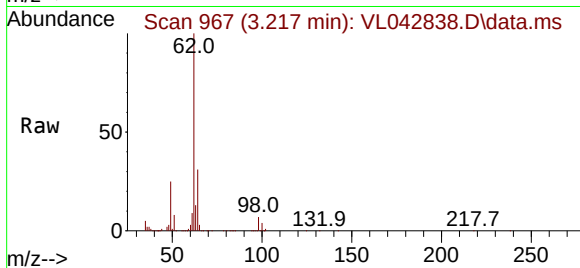
ClientSampleId :

Tgt Ion: 62 Resp: 323247

Ion Ratio Lower Upper

62 100

98 6.6 5.1 7.7



#38

Trichloroethene

Concen: 15.080 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Tgt Ion:130 Resp: 242156

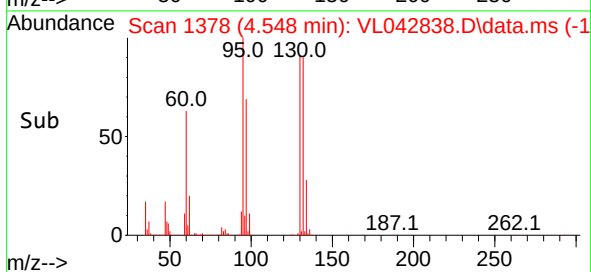
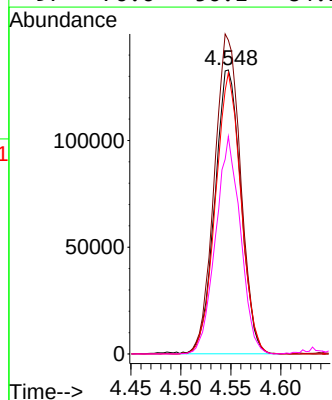
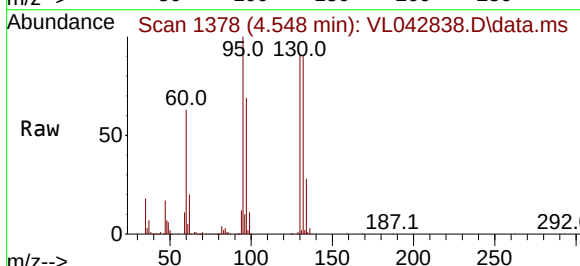
Ion Ratio Lower Upper

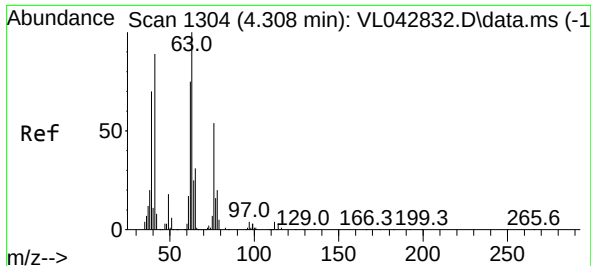
130 100

95 110.6 87.4 131.2

132 99.1 77.8 116.6

97 76.6 56.1 84.1





#39

1,2-Dichloropropane

Concen: 15.490 ppbv

RT: 4.311 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

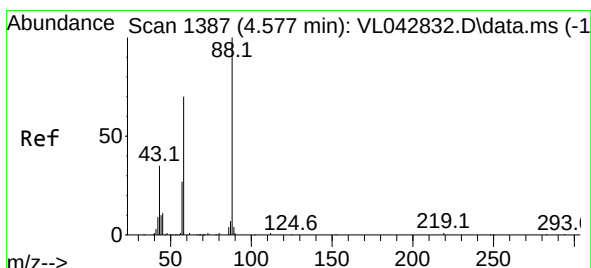
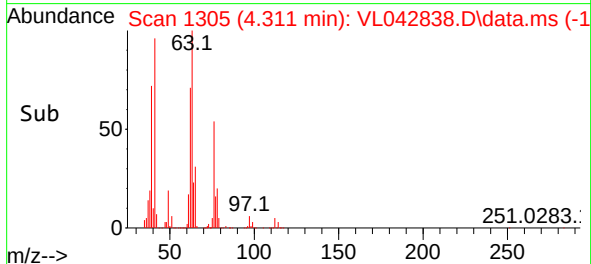
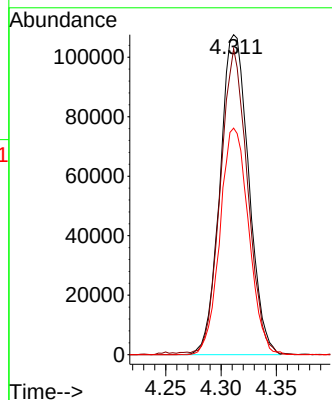
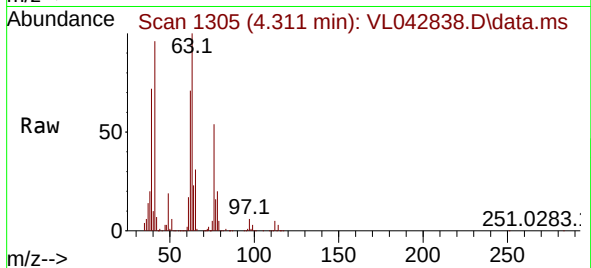
Tgt Ion: 63 Resp: 194209

Ion Ratio Lower Upper

63 100

41 95.5 71.8 107.8

62 70.7 60.0 90.0



#40

1,4-Dioxane

Concen: 16.796 ppbv

RT: 4.573 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Tgt Ion: 88 Resp: 80582

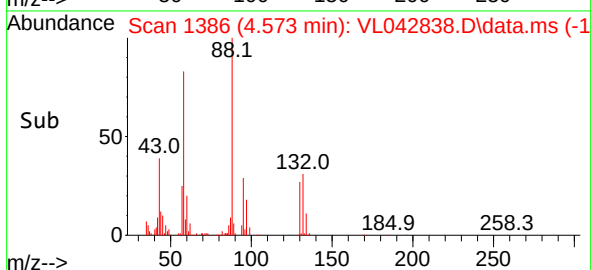
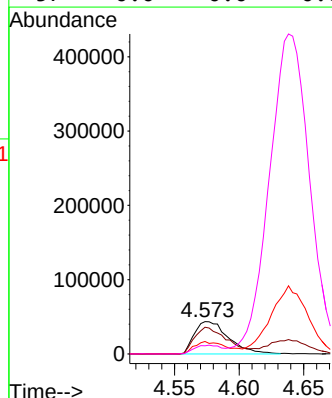
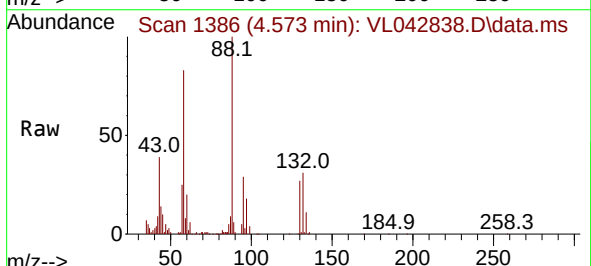
Ion Ratio Lower Upper

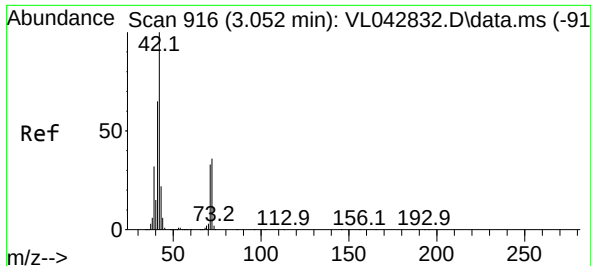
88 100

58 80.0 61.4 92.2

43 37.9 28.6 43.0

57 0.0 0.0 0.0

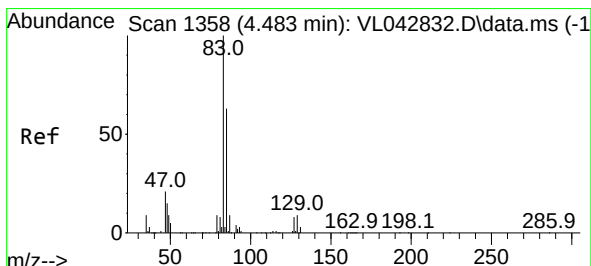
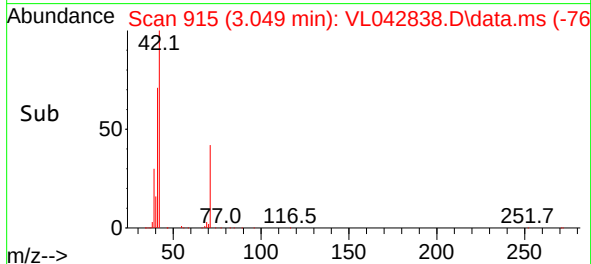
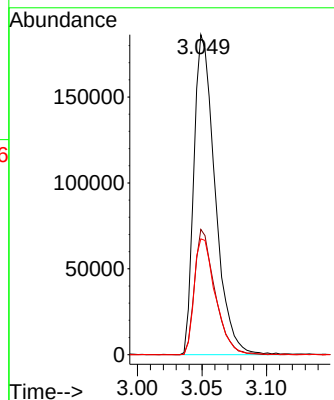
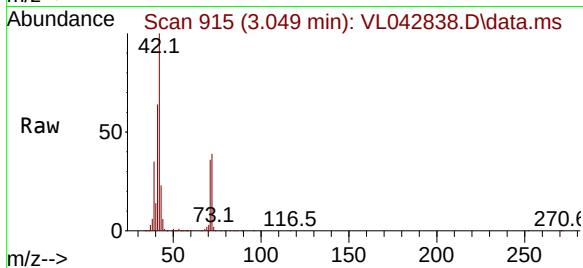




#41
Tetrahydrofuran
Concen: 17.993 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

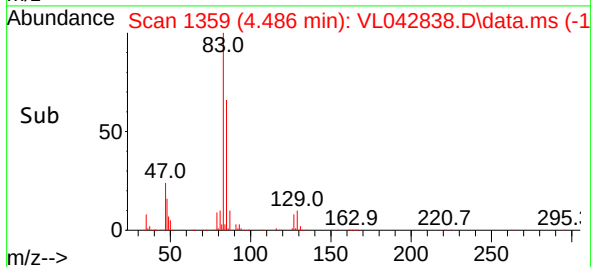
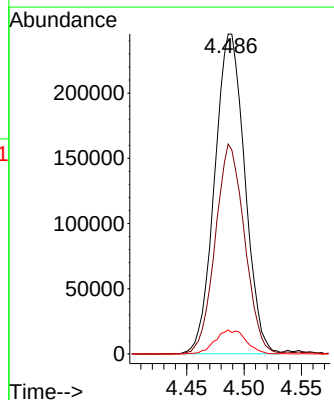
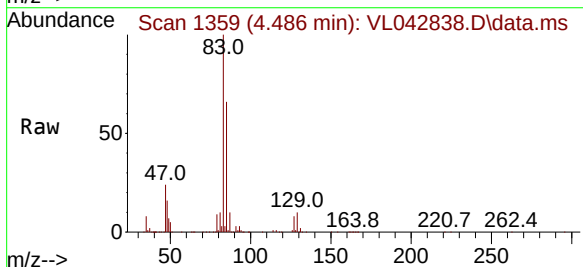
Instrument :
MSVOA_L
ClientSampleId :

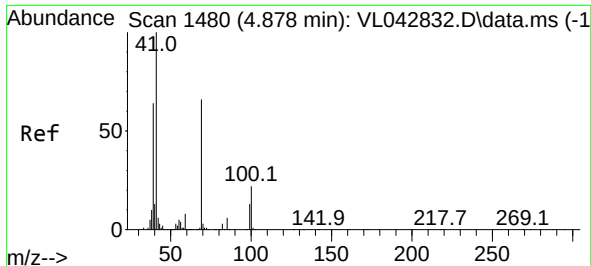
Tgt Ion: 42 Resp: 213662
Ion Ratio Lower Upper
42 100
72 37.5 29.4 44.2
71 36.4 27.4 41.0



#42
Bromodichloromethane
Concen: 16.045 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 83 Resp: 448065
Ion Ratio Lower Upper
83 100
85 65.6 50.5 75.7
127 7.5 6.2 9.4

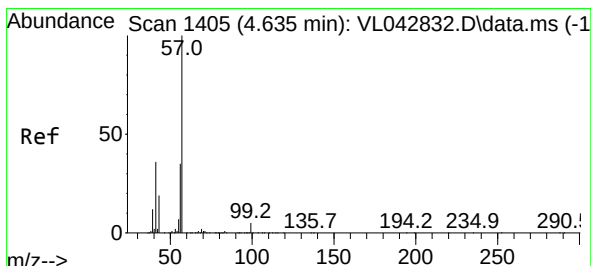
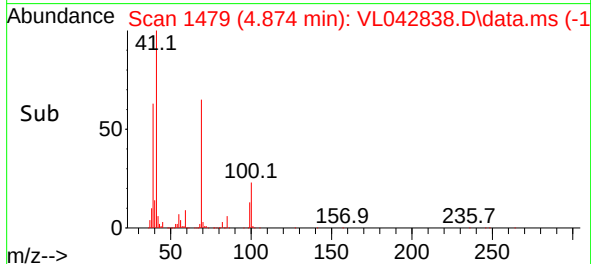
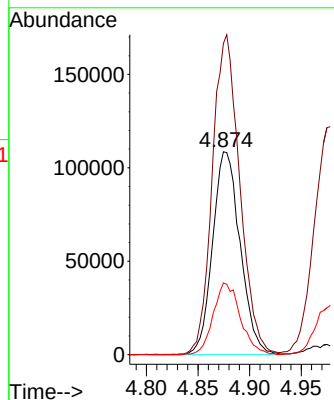
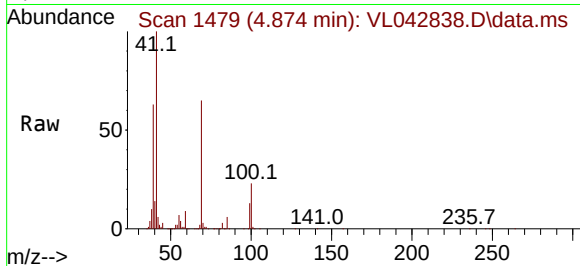




#43
Methyl Methacrylate
Concen: 19.316 ppbv
RT: 4.874 min Scan# 1479
Delta R.T. -0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

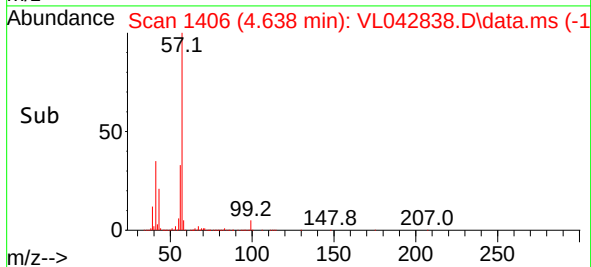
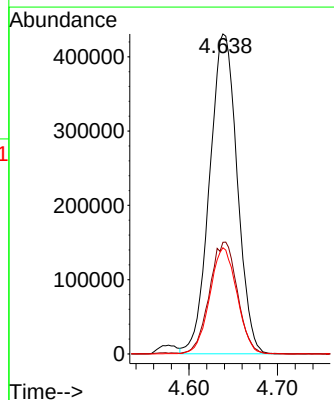
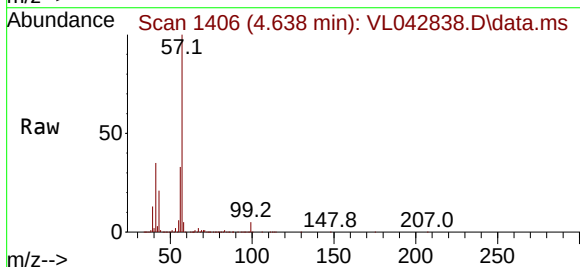
Instrument :
MSVOA_L
ClientSampleId :

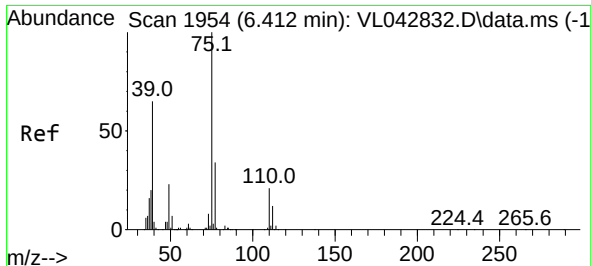
Tgt Ion: 69 Resp: 201431
Ion Ratio Lower Upper
69 100
41 157.6 125.6 188.4
100 34.9 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 17.397 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 57 Resp: 932387
Ion Ratio Lower Upper
57 100
41 35.7 28.7 43.1
56 32.9 26.6 39.8

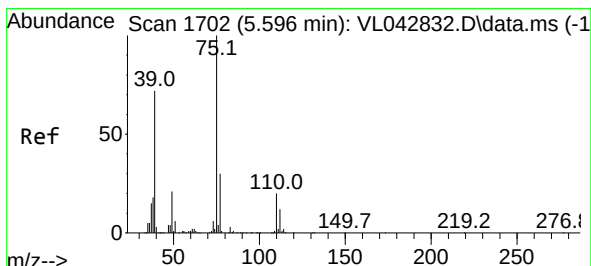
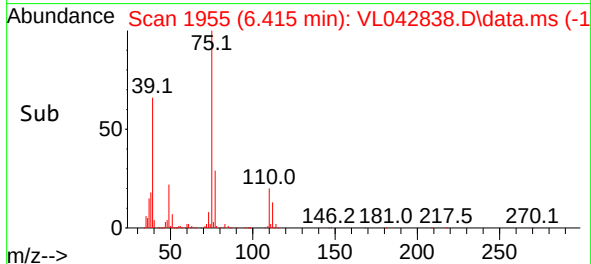
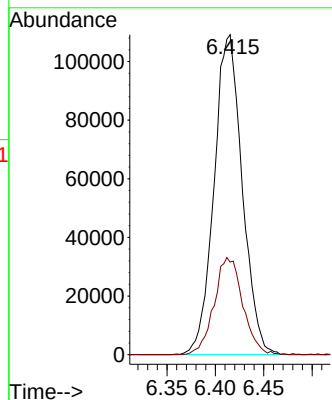
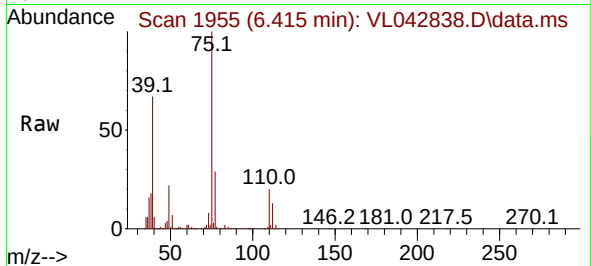




#45
 t-1,3-Dichloropropene
 Concen: 19.144 ppbv
 RT: 6.415 min Scan# 1954
 Delta R.T. 0.003 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

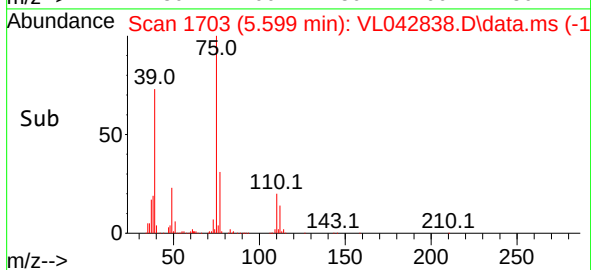
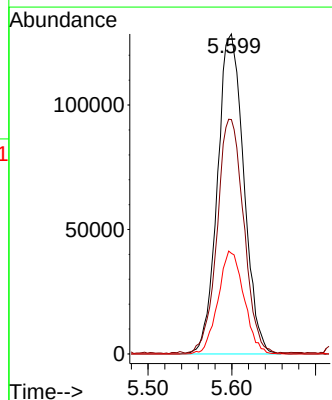
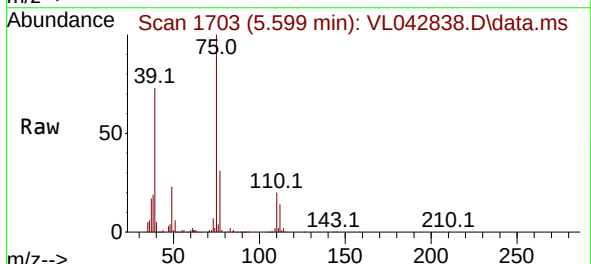
Instrument :
 MSVOA_L
 ClientSampleId :

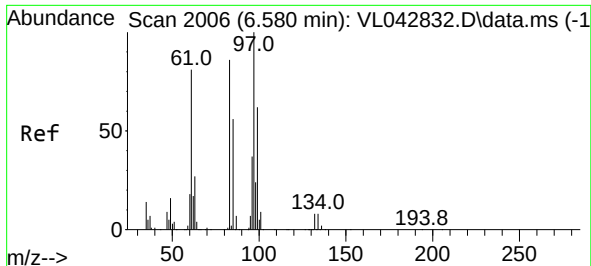
Tgt Ion: 75 Resp: 220656
 Ion Ratio Lower Upper
 75 100
 77 29.0 26.9 40.3



#46
 cis-1,3-Dichloropropene
 Concen: 18.204 ppbv
 RT: 5.599 min Scan# 1703
 Delta R.T. 0.003 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 75 Resp: 280525
 Ion Ratio Lower Upper
 75 100
 39 72.8 57.6 86.4
 77 31.4 23.6 35.4

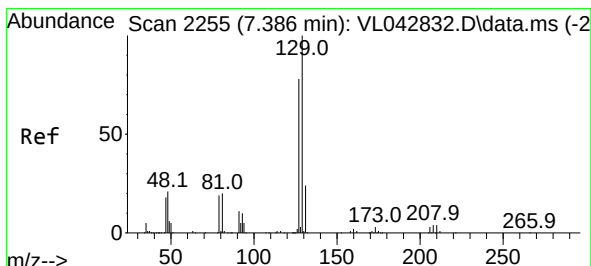
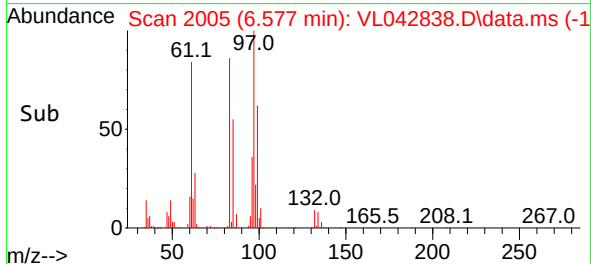
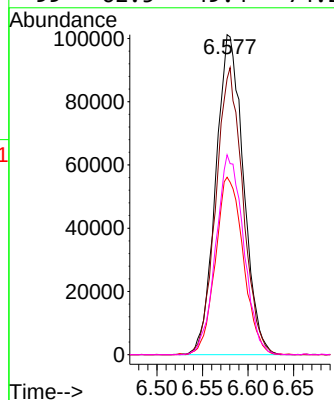
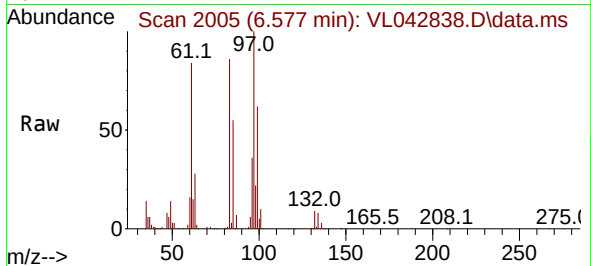




#47
 1,1,2-Trichloroethane
 Concen: 15.699 ppbv
 RT: 6.577 min Scan# 2005
 Delta R.T. -0.003 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

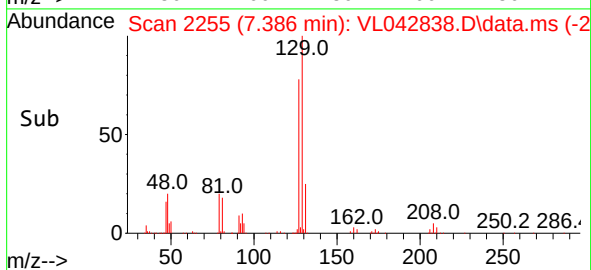
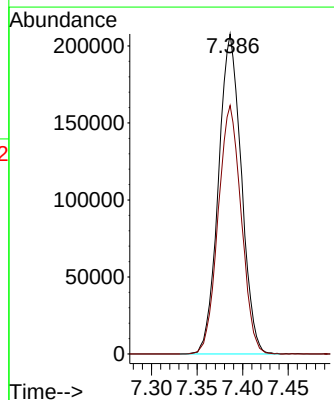
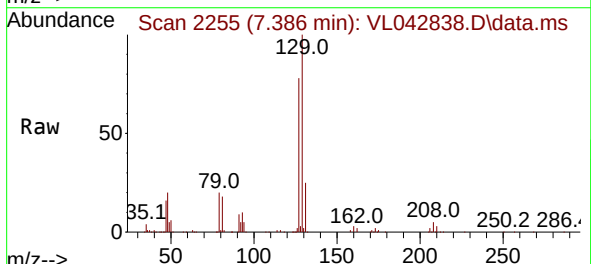
Instrument :
 MSVOA_L
 ClientSampleId :

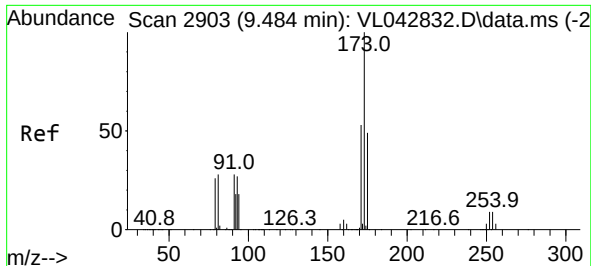
Tgt Ion: 97 Resp: 213281
 Ion Ratio Lower Upper
 97 100
 83 86.1 68.5 102.7
 85 55.1 44.4 66.6
 99 62.5 49.4 74.2



#48
 Dibromochloromethane
 Concen: 16.420 ppbv
 RT: 7.386 min Scan# 2255
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 129 Resp: 362660
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.8 119.3





#49

Bromoform

Concen: 16.676 ppbv

RT: 9.483 min Scan# 2903

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

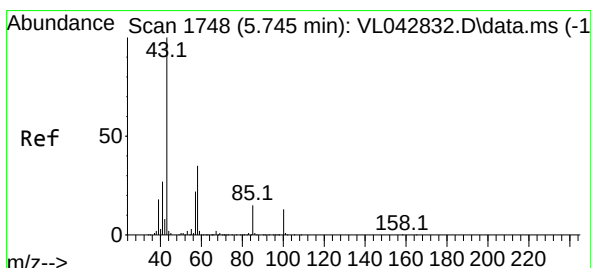
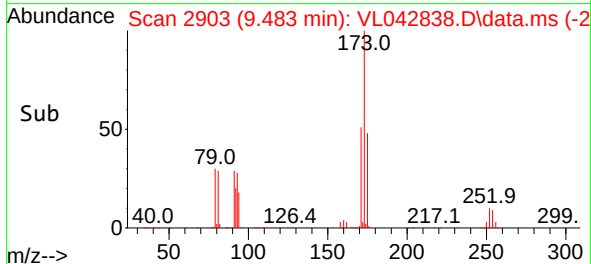
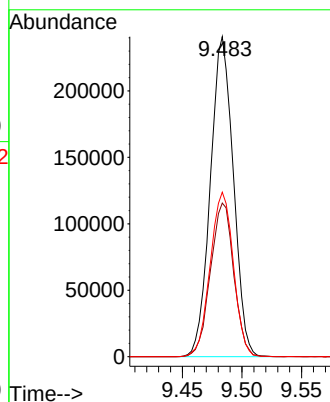
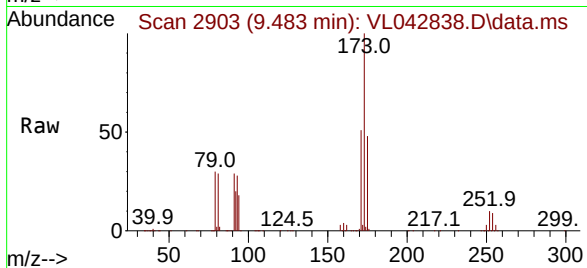
Tgt Ion:173 Resp: 322997

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

171 51.8 41.4 62.0



#50

4-Methyl-2-Pentanone

Concen: 19.095 ppbv

RT: 5.745 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VL042838.D

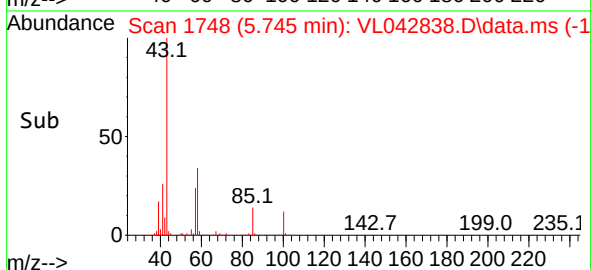
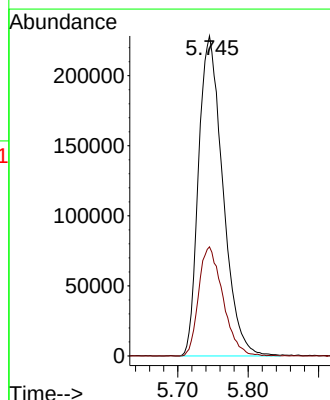
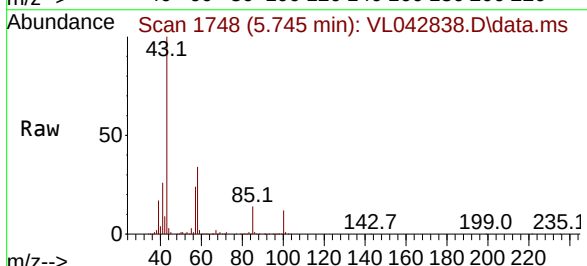
Acq: 11 Aug 2025 12:07

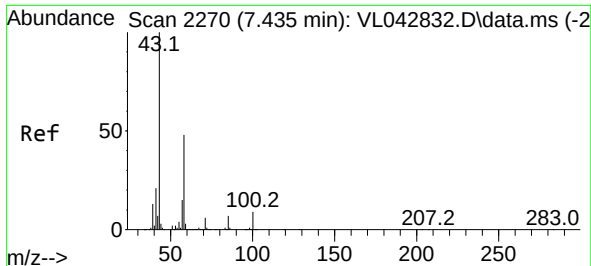
Tgt Ion: 43 Resp: 547258

Ion Ratio Lower Upper

43 100

58 34.0 26.7 40.1

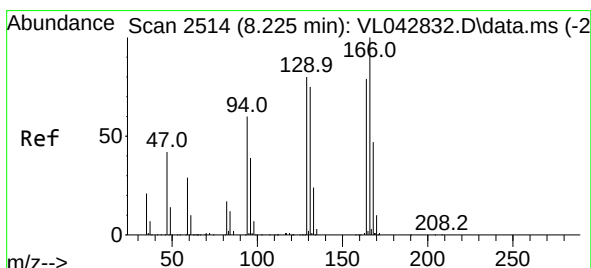
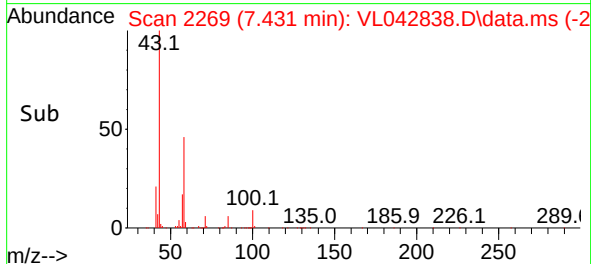
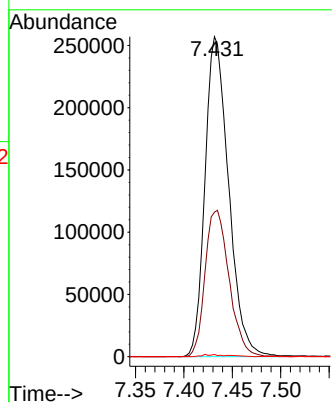
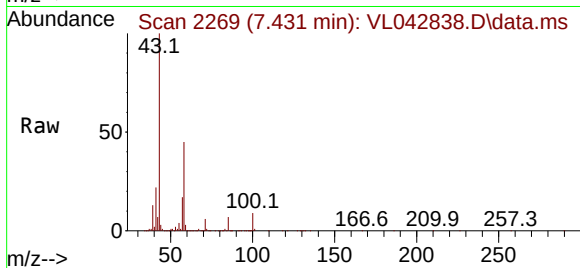




#51
2-Hexanone
Concen: 20.500 ppbv
RT: 7.431 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

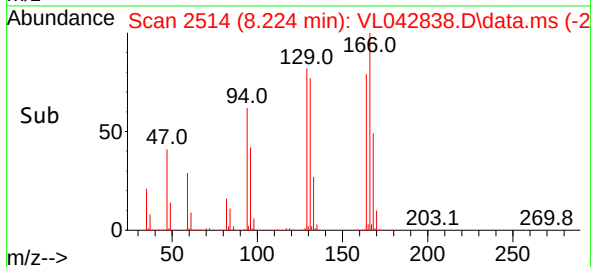
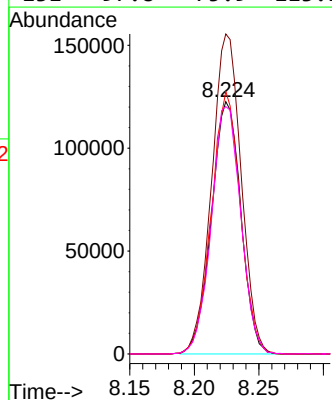
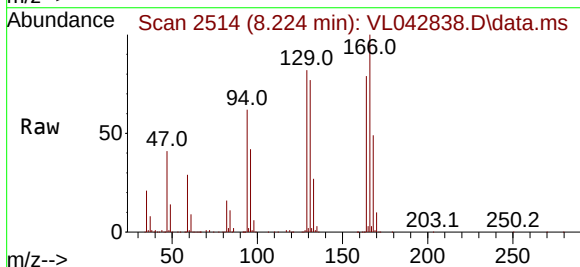
Instrument :
MSVOA_L
ClientSampleId :

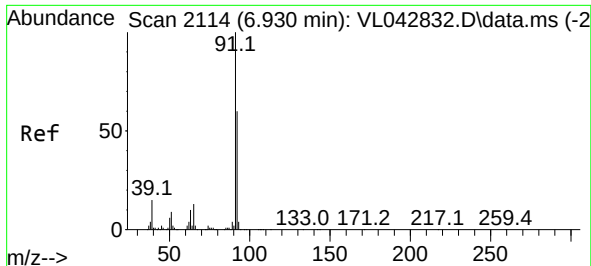
Tgt Ion: 43 Resp: 435388
Ion Ratio Lower Upper
43 100
58 46.8 36.6 54.8
98 0.8 0.8 1.2#



#52
Tetrachloroethene
Concen: 16.274 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion:164 Resp: 194436
Ion Ratio Lower Upper
164 100
166 126.7 101.0 151.4
129 103.9 80.9 121.3
131 97.8 75.9 113.9

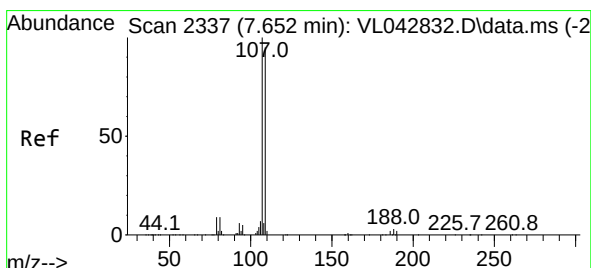
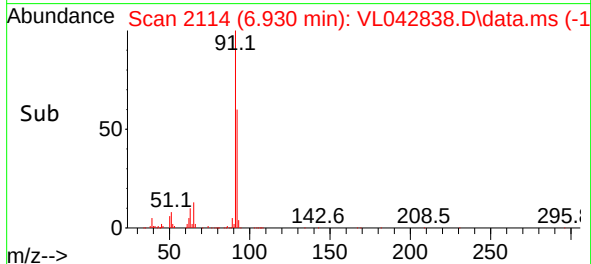
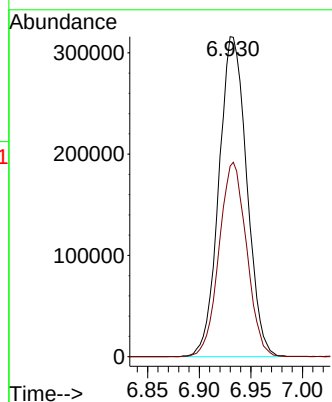
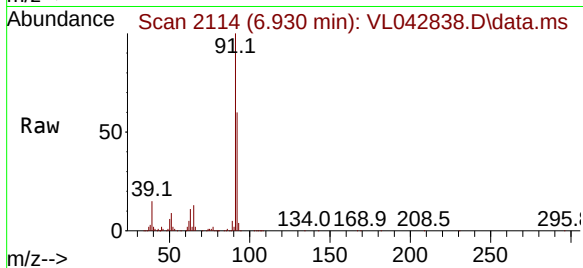




#53
Toluene
Concen: 19.621 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

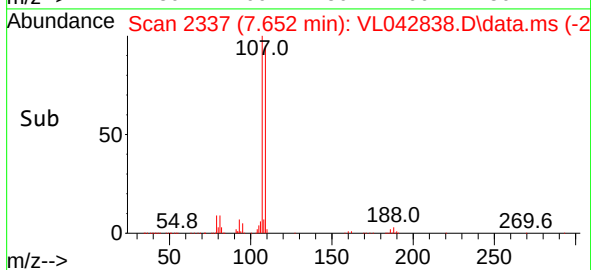
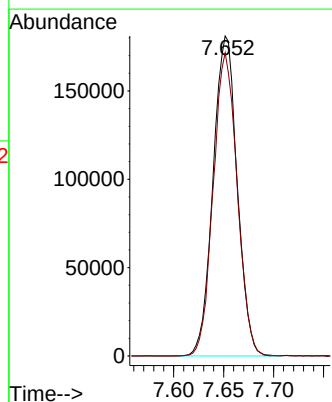
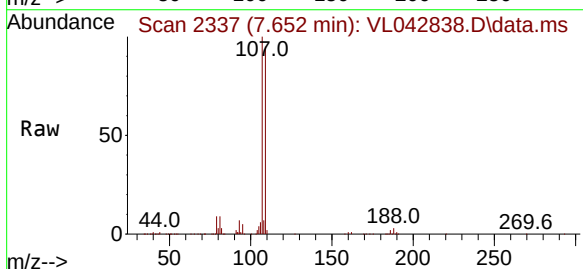
Instrument :
MSVOA_L
ClientSampleId :

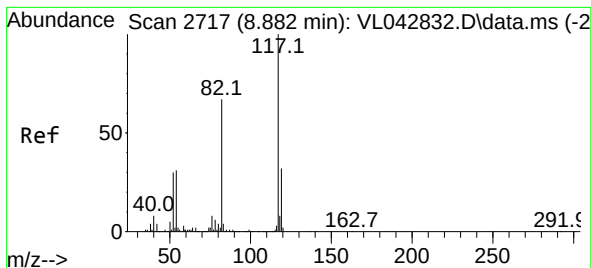
Tgt Ion: 91 Resp: 593491
Ion Ratio Lower Upper
91 100
92 60.0 47.8 71.8



#54
1,2-Dibromoethane
Concen: 16.639 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 107 Resp: 303699
Ion Ratio Lower Upper
107 100
109 94.7 75.7 113.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

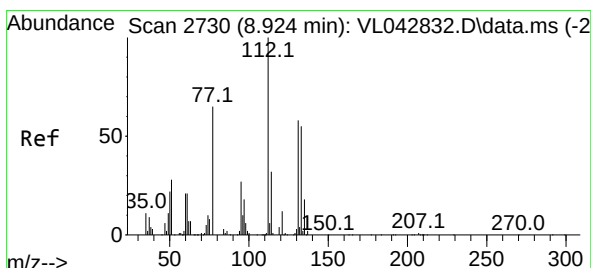
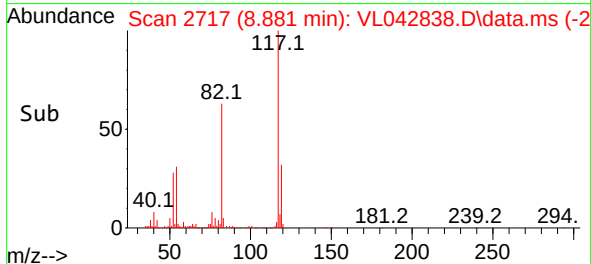
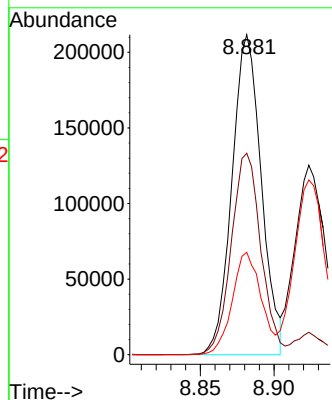
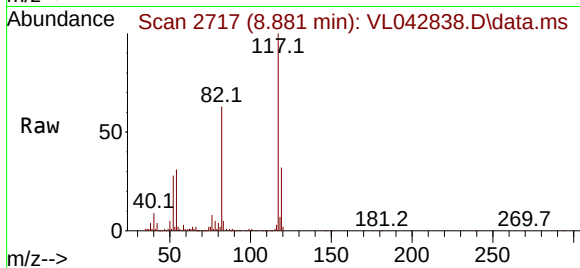
Tgt Ion:117 Resp: 293178

Ion Ratio Lower Upper

117 100

82 64.6 55.7 83.5

119 32.6 26.7 40.1



#56

1,1,1,2-Tetrachloroethane

Concen: 15.369 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

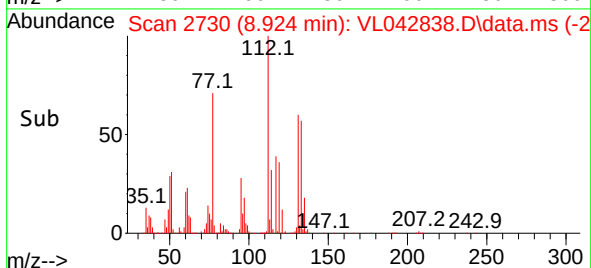
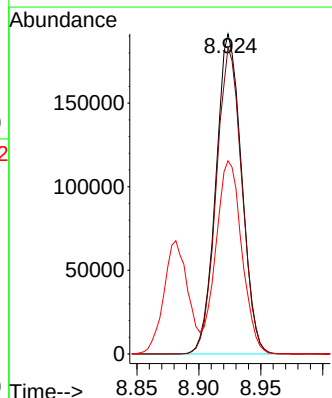
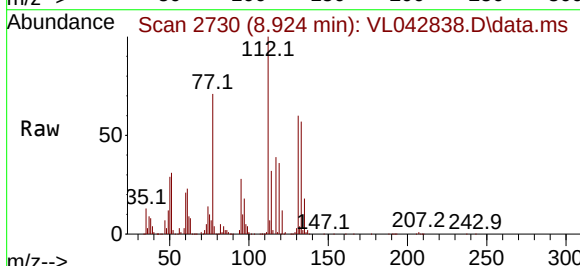
Tgt Ion:131 Resp: 276892

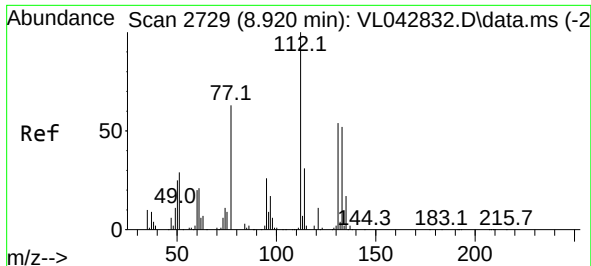
Ion Ratio Lower Upper

131 100

133 95.3 77.0 115.6

119 60.8 50.5 75.7

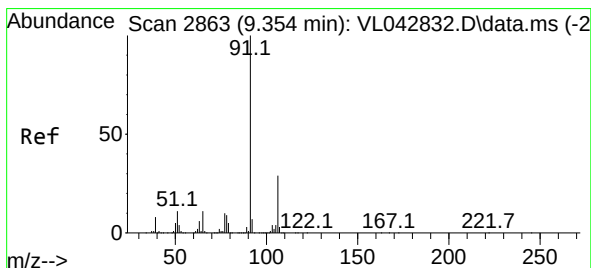
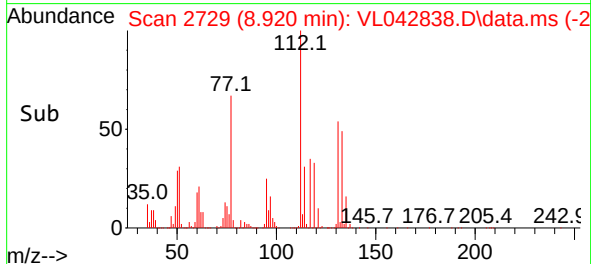
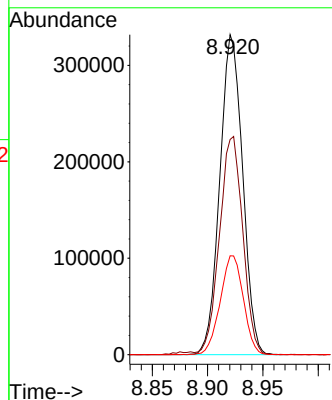
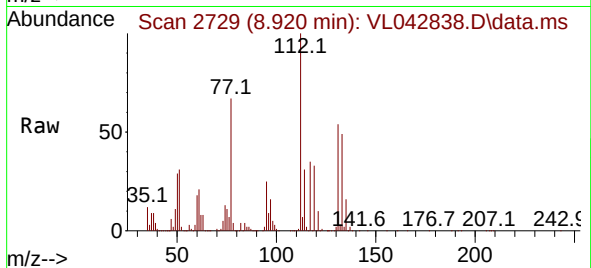




#57
Chlorobenzene
Concen: 15.269 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

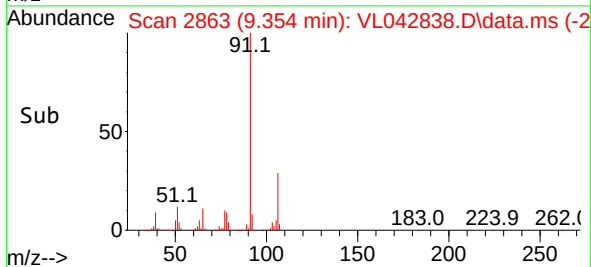
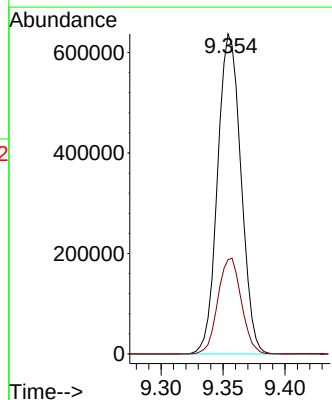
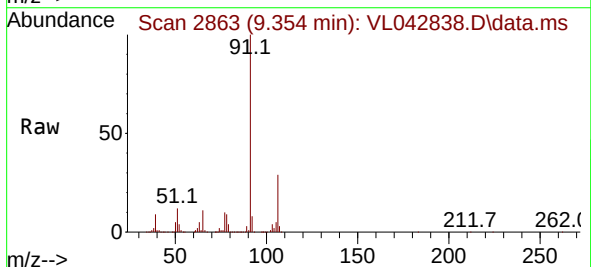
Instrument :
MSVOA_L
ClientSampleId :

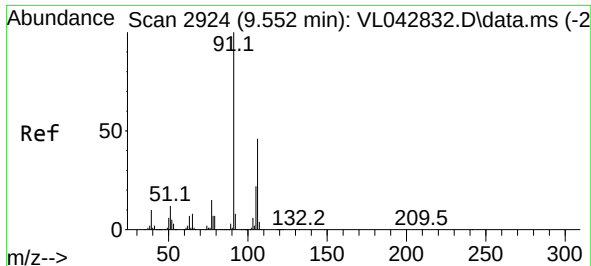
Tgt Ion:112 Resp: 476460
Ion Ratio Lower Upper
112 100
77 67.2 51.5 77.3
114 30.9 28.3 34.5



#58
Ethyl Benzene
Concen: 19.681 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 91 Resp: 838527
Ion Ratio Lower Upper
91 100
106 29.4 23.4 35.2





#59

m/p-Xylene

Concen: 17.968 ppbv

RT: 9.551 min Scan# 29

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

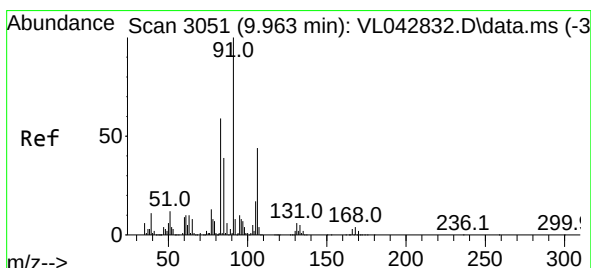
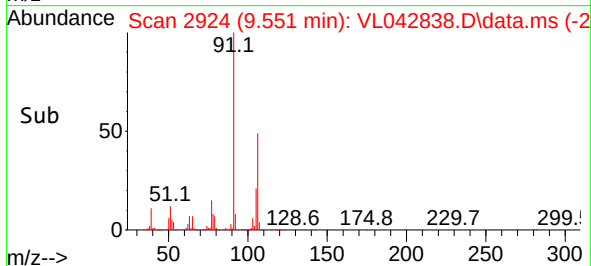
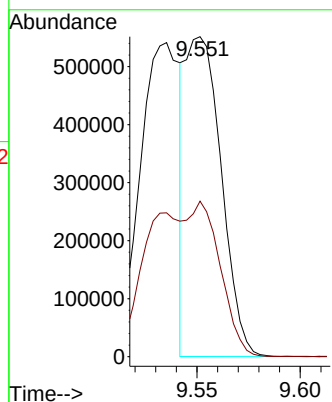
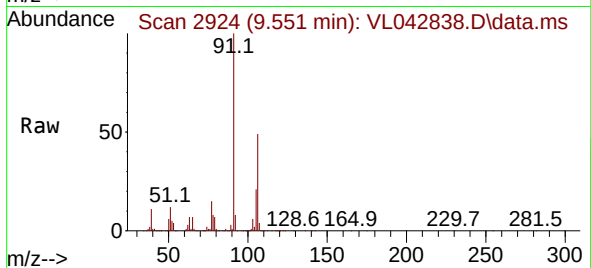
ClientSampleId :

Tgt Ion: 91 Resp: 660057

Ion Ratio Lower Upper

91 100

106 97.1 0.0 0.0#



#60

o-Xylene

Concen: 19.120 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042838.D

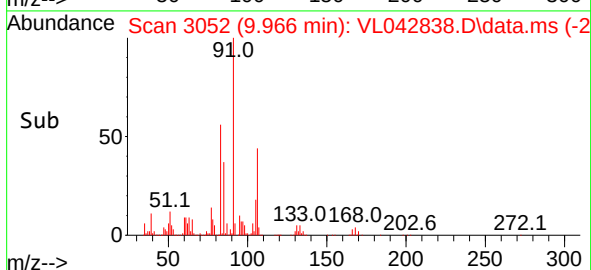
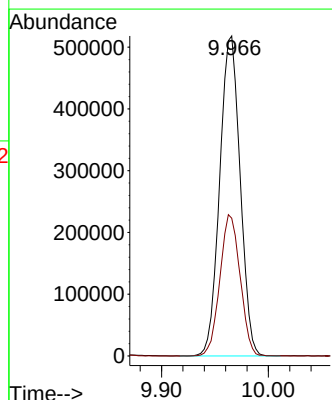
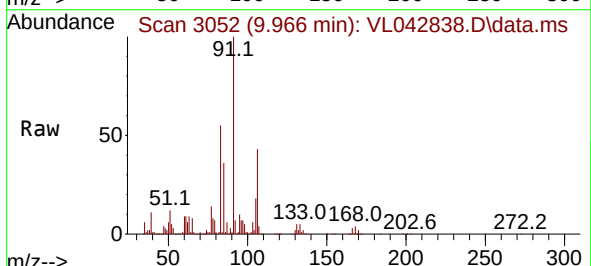
Acq: 11 Aug 2025 12:07

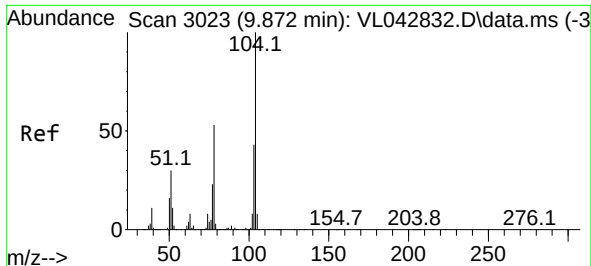
Tgt Ion: 91 Resp: 689257

Ion Ratio Lower Upper

91 100

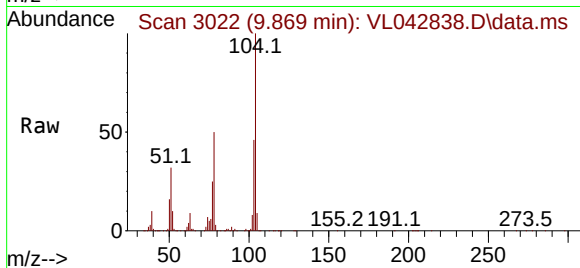
106 43.7 21.9 65.7



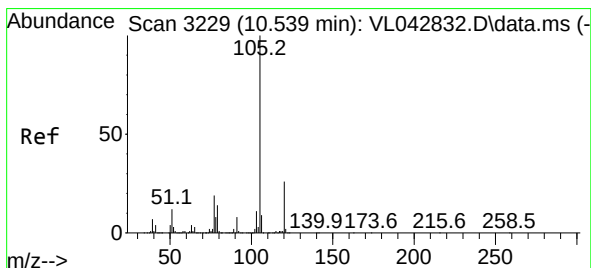
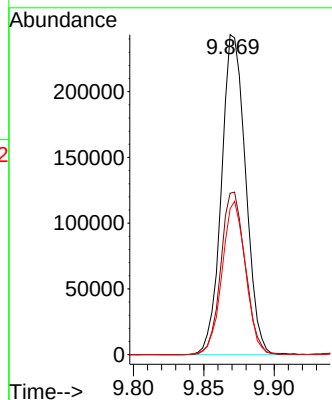
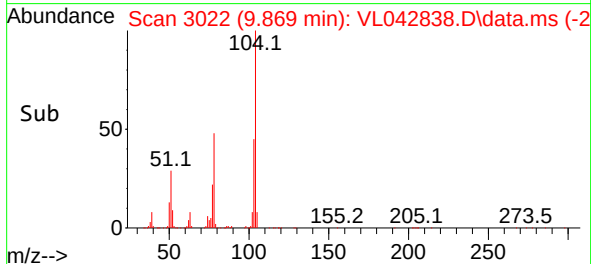


#61
Styrene
Concen: 15.585 ppbv
RT: 9.869 min Scan# 3023
Delta R.T. -0.003 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

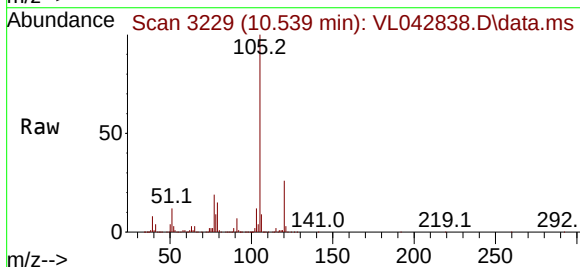
Instrument :
MSVOA_L
ClientSampleId :



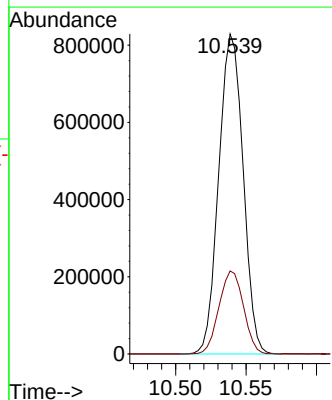
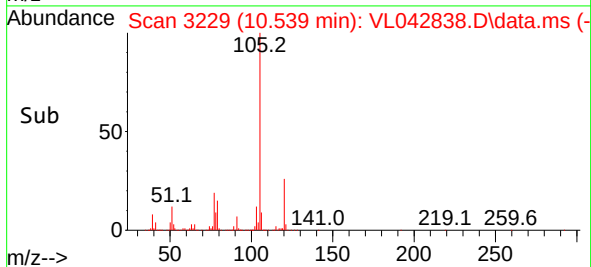
Tgt Ion:104 Resp: 291252
Ion Ratio Lower Upper
104 100
78 51.3 41.4 62.2
103 46.8 36.9 55.3

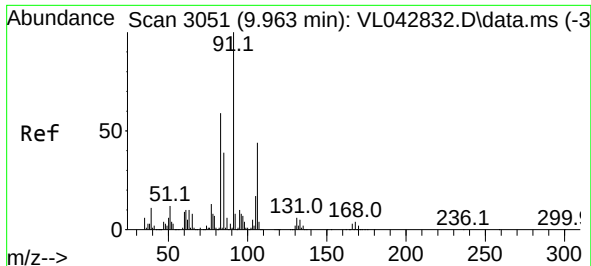


#62
Isopropylbenzene
Concen: 18.264 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07



Tgt Ion:105 Resp: 997585
Ion Ratio Lower Upper
105 100
120 26.0 20.4 30.6

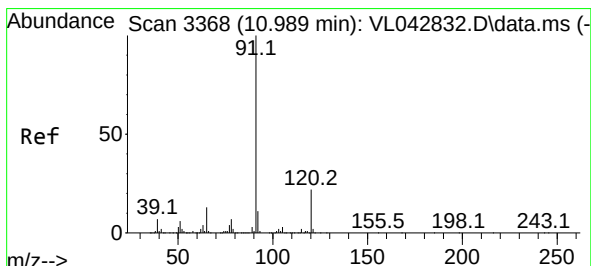
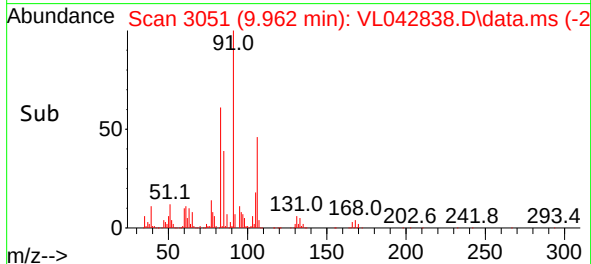
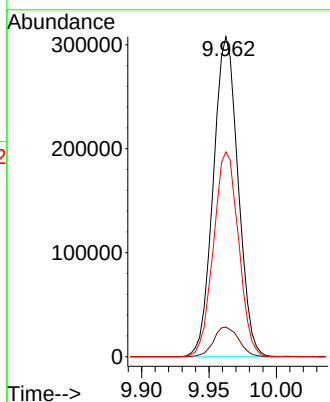
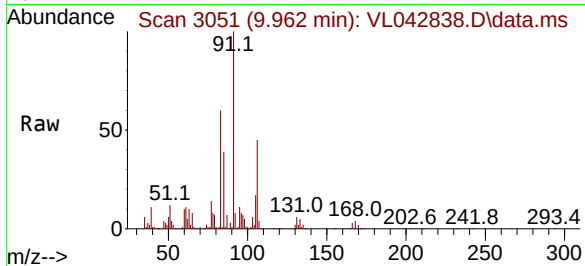




#63
 1,1,2,2-Tetrachloroethane
 Concen: 14.632 ppbv
 RT: 9.962 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

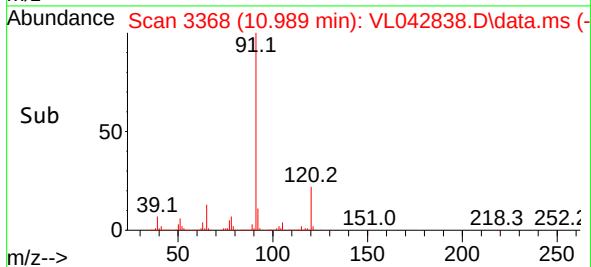
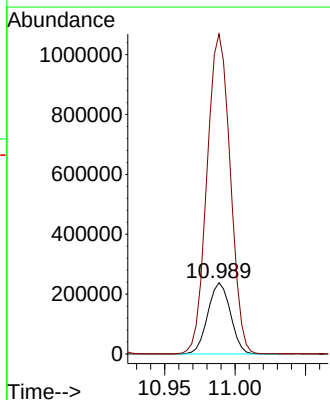
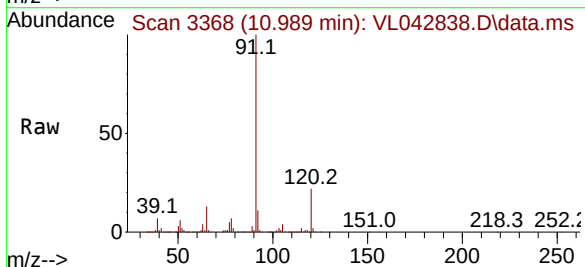
Instrument : MSVOA_L
 ClientSampleId :

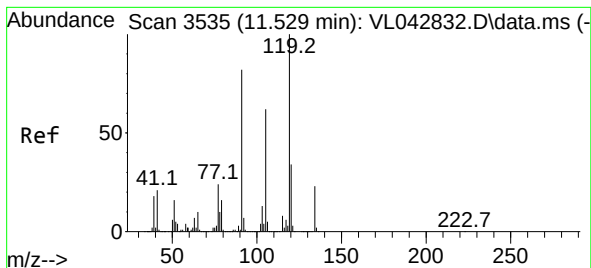
Tgt Ion: 83 Resp: 393089
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.9 14.6
 85 64.8 32.6 97.8



#64
 n-propylbenzene
 Concen: 18.781 ppbv
 RT: 10.989 min Scan# 3368
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Tgt Ion: 120 Resp: 265863
 Ion Ratio Lower Upper
 120 100
 91 463.4 379.2 568.8





#65

tert-Butylbenzene

Concen: 18.503 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

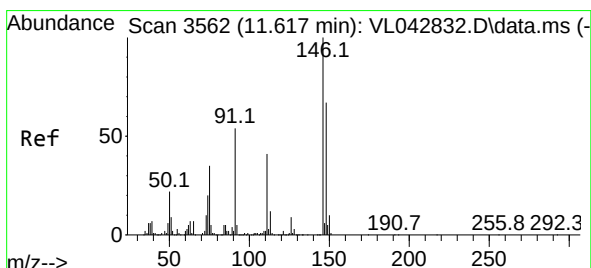
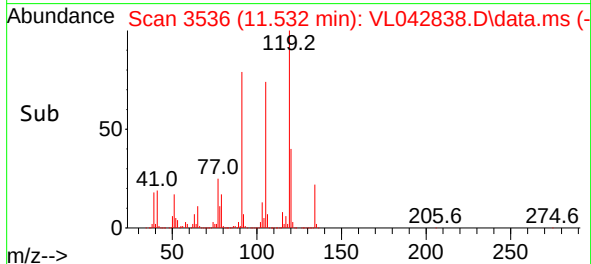
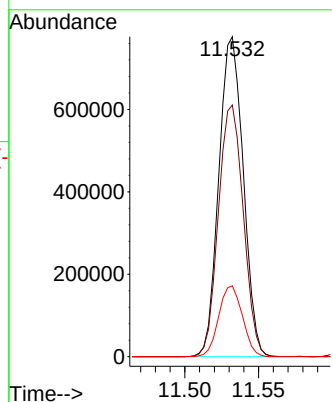
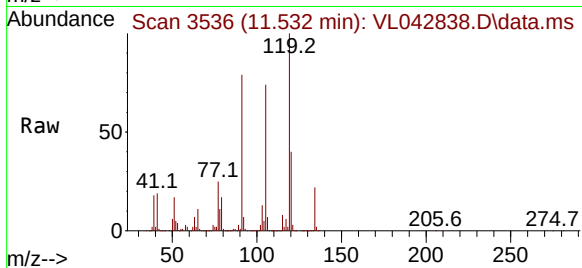
Tgt Ion:119 Resp: 894517

Ion Ratio Lower Upper

119 100

91 80.4 64.6 96.8

134 21.5 17.1 25.7



#66

Benzyl Chloride

Concen: 17.680 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

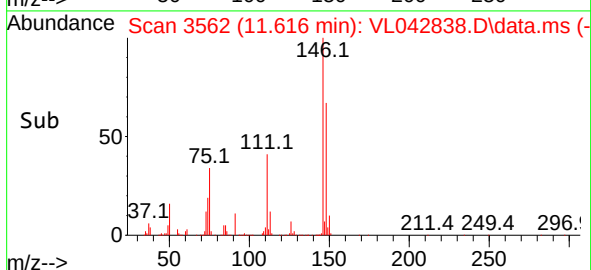
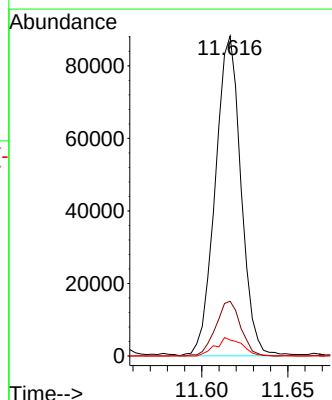
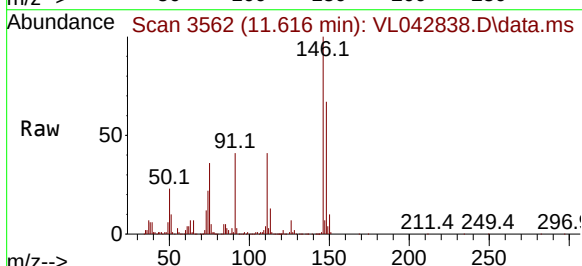
Tgt Ion: 91 Resp: 91503

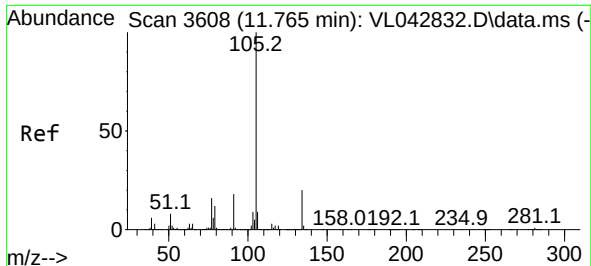
Ion Ratio Lower Upper

91 100

126 16.8 13.6 20.4

128 5.9 4.7 7.1





#67

sec-Butylbenzene

Concen: 17.633 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

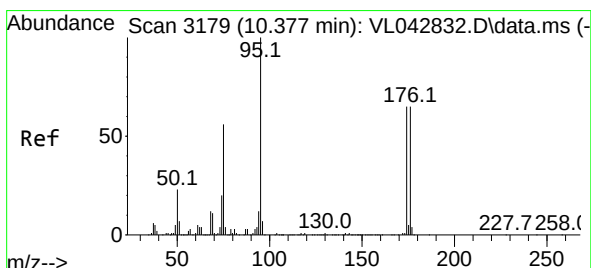
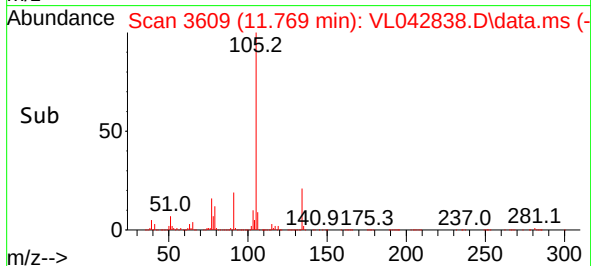
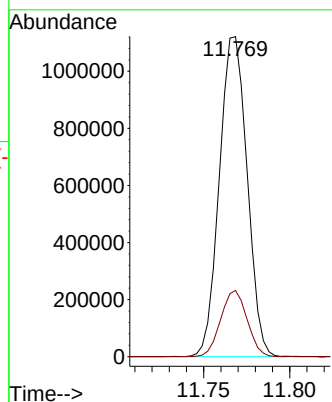
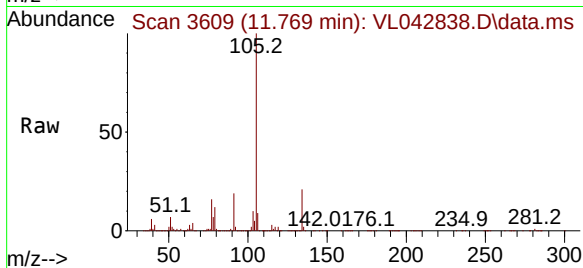
ClientSampleId :

Tgt Ion:105 Resp: 1258264

Ion Ratio Lower Upper

105 100

134 19.7 15.7 23.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.394 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

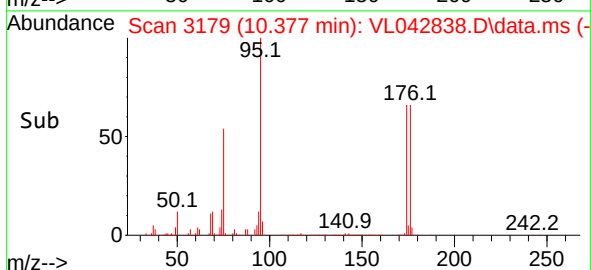
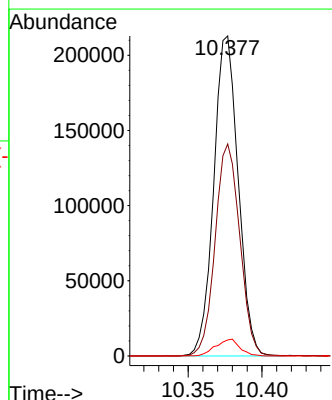
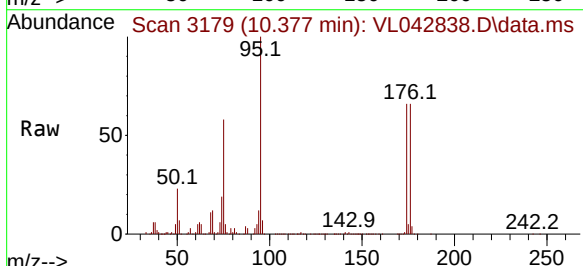
Tgt Ion: 95 Resp: 245580

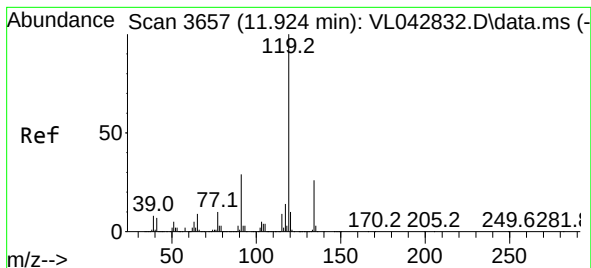
Ion Ratio Lower Upper

95 100

174 66.7 52.6 78.8

175 5.2 3.9 5.9





#69

p-Isopropyltoluene

Concen: 18.914 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

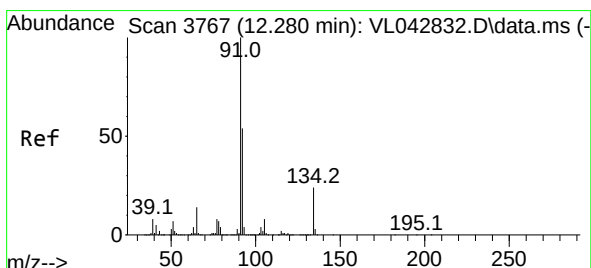
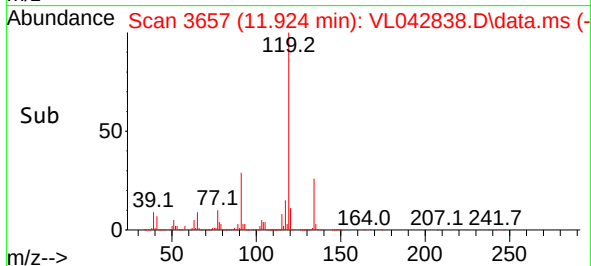
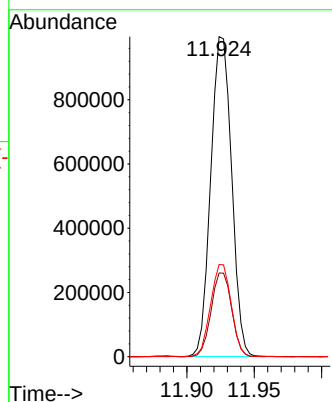
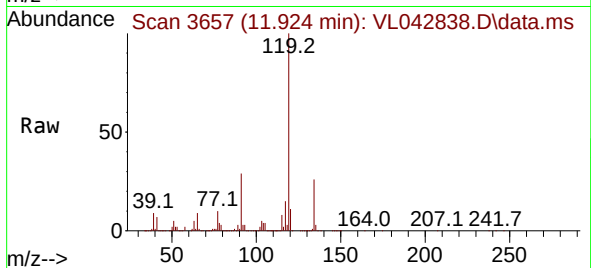
Tgt Ion:119 Resp: 1072324

Ion Ratio Lower Upper

119 100

134 25.9 20.5 30.7

91 28.7 23.2 34.8



#70

n-Butylbenzene

Concen: 19.037 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

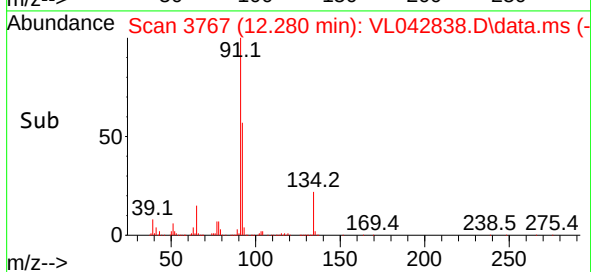
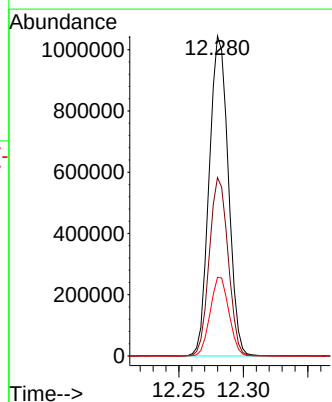
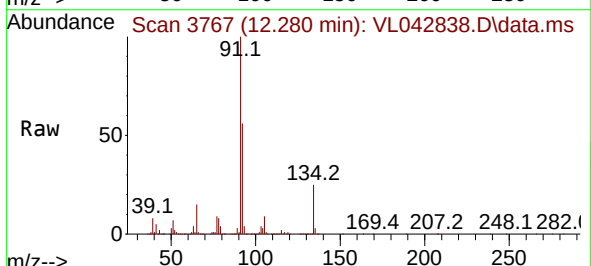
Tgt Ion: 91 Resp: 1076036

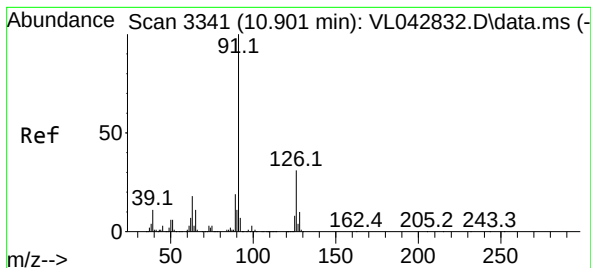
Ion Ratio Lower Upper

91 100

92 54.9 43.2 64.8

134 24.2 19.0 28.6

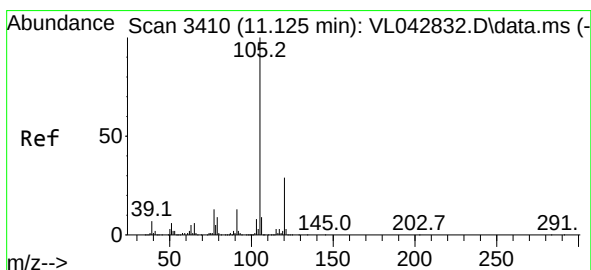
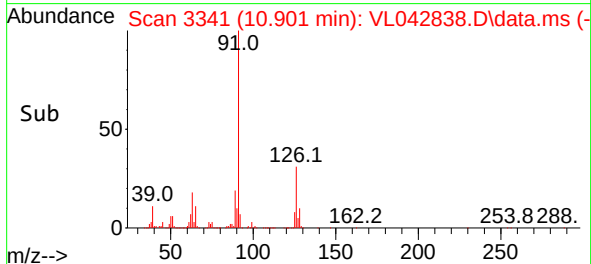
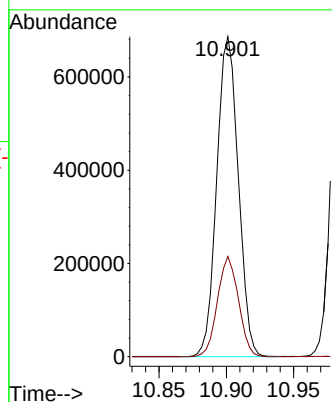
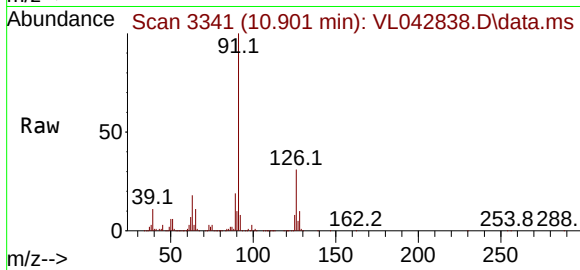




#71
2-Chlorotoluene
Concen: 19.074 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

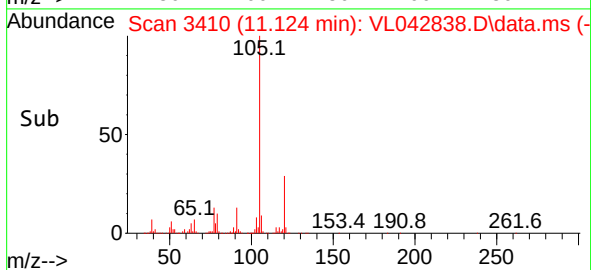
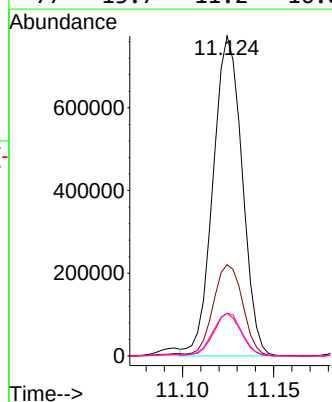
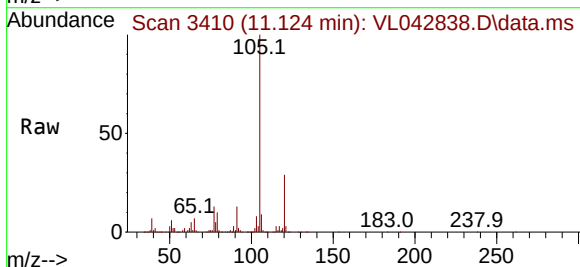
Instrument :
MSVOA_L
ClientSampleId :

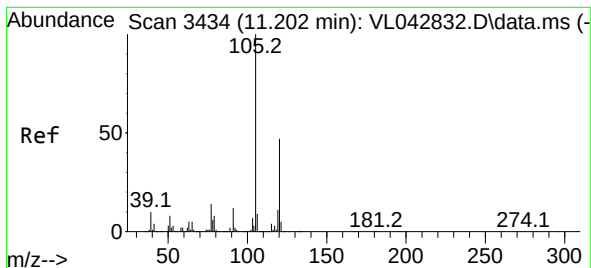
Tgt Ion: 91 Resp: 764546
Ion Ratio Lower Upper
91 100
126 30.4 12.2 48.6



#72
4-Ethyltoluene
Concen: 19.850 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion: 105 Resp: 857695
Ion Ratio Lower Upper
105 100
120 29.6 23.9 35.9
91 13.2 10.7 16.1
77 13.7 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 19.194 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

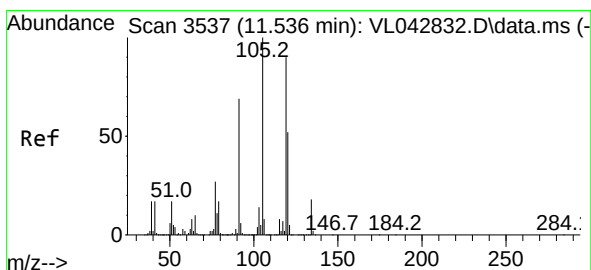
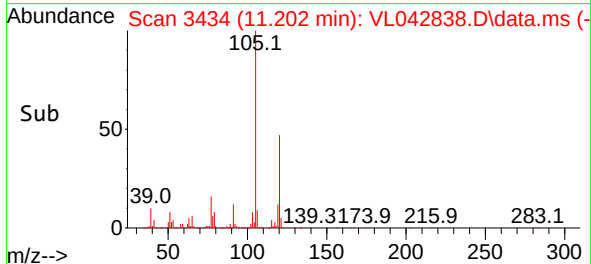
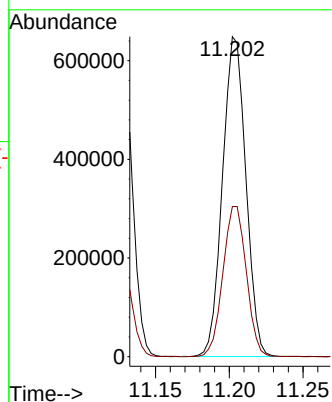
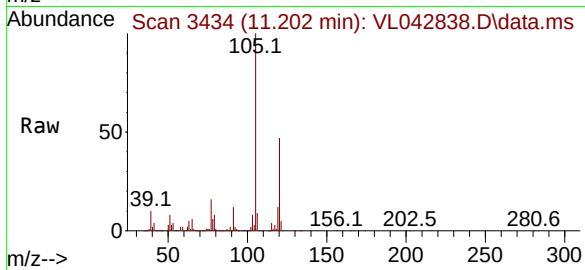
ClientSampleId :

Tgt Ion:105 Resp: 714270

Ion Ratio Lower Upper

105 100

120 46.9 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 17.815 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Tgt Ion:105 Resp: 778066

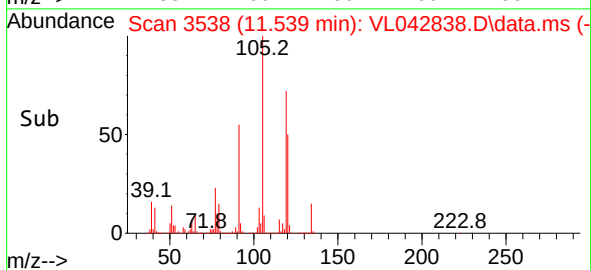
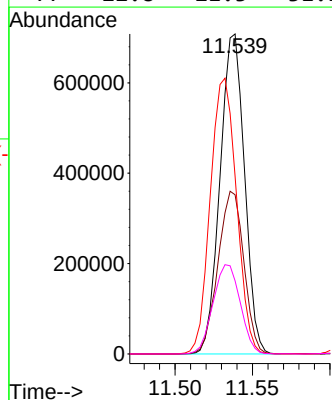
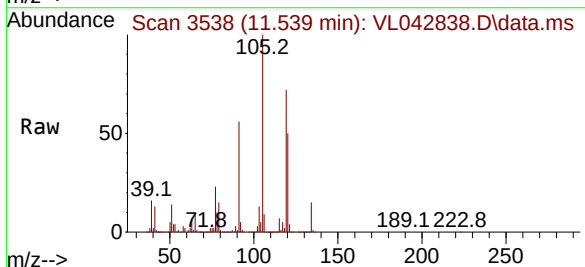
Ion Ratio Lower Upper

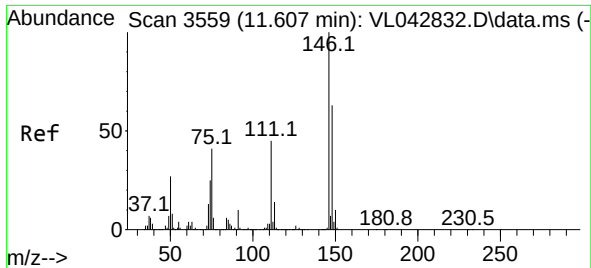
105 100

120 49.7 41.9 62.9

91 55.5 55.5 83.3#

77 22.8 21.3 31.9

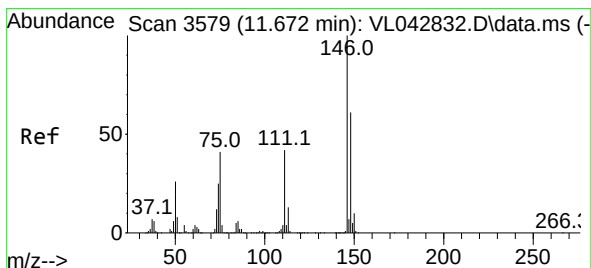
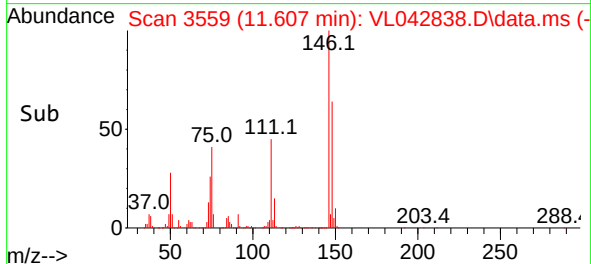
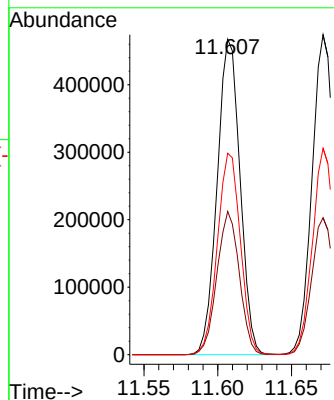
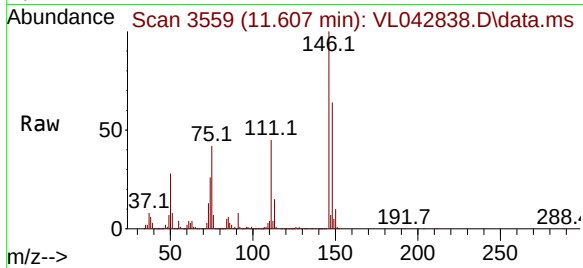




#75
1,3-Dichlorobenzene
Concen: 16.100 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

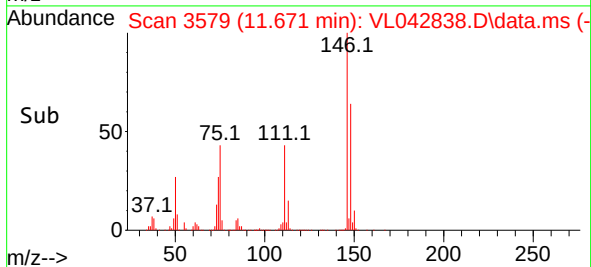
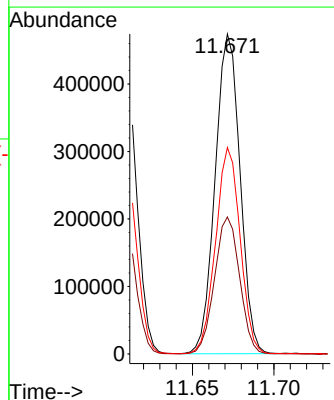
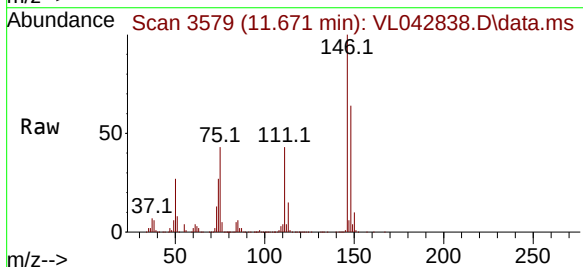
Instrument :
MSVOA_L
ClientSampleId :

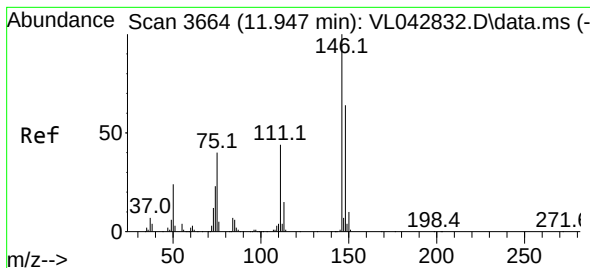
Tgt Ion:146 Resp: 505346
Ion Ratio Lower Upper
146 100
111 44.4 22.4 67.0
148 64.1 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 17.122 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042838.D
Acq: 11 Aug 2025 12:07

Tgt Ion:146 Resp: 502681
Ion Ratio Lower Upper
146 100
111 43.2 21.1 63.1
148 64.0 31.3 93.8





#77

1,2-Dichlorobenzene

Concen: 15.172 ppbv

RT: 11.947 min Scan# 3

Delta R.T. -0.000 min

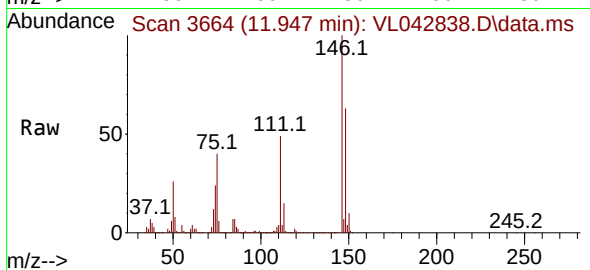
Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :



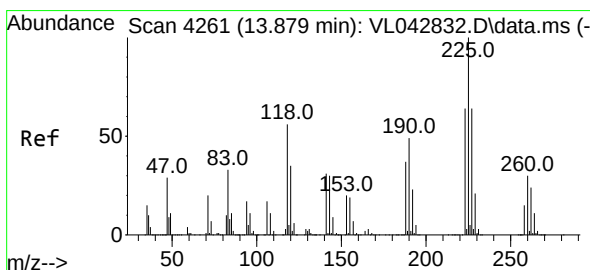
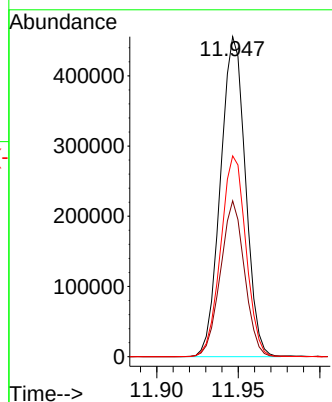
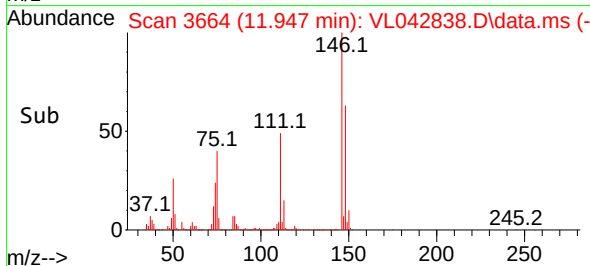
Tgt Ion:146 Resp: 484440

Ion Ratio Lower Upper

146 100

111 47.0 23.2 69.6

148 63.4 31.6 95.0



#78

Hexachloro-1,3-Butadiene

Concen: 13.690 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

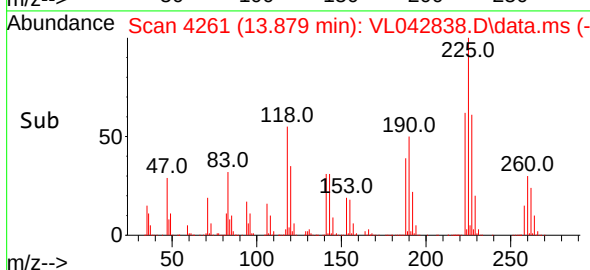
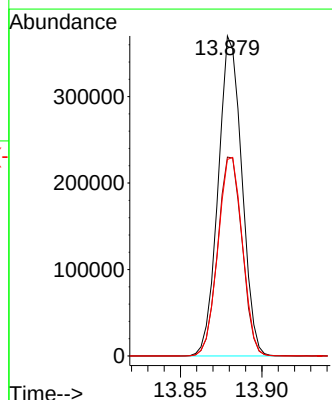
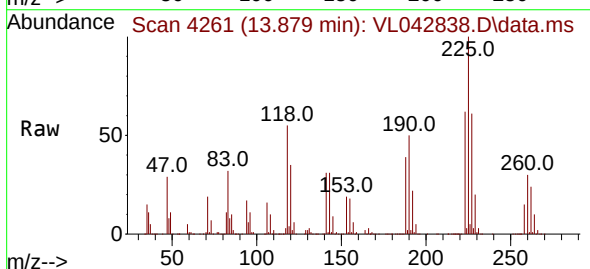
Tgt Ion:225 Resp: 373821

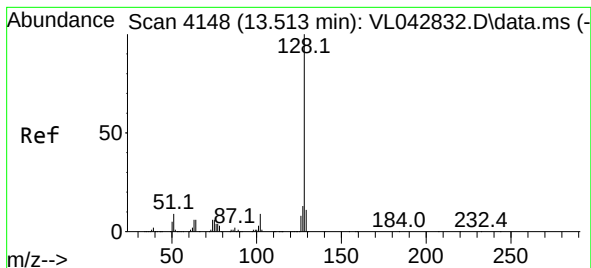
Ion Ratio Lower Upper

225 100

223 63.9 51.1 76.7

227 64.1 50.9 76.3





#79

Naphthalene

Concen: 15.034 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

Instrument :

MSVOA_L

ClientSampleId :

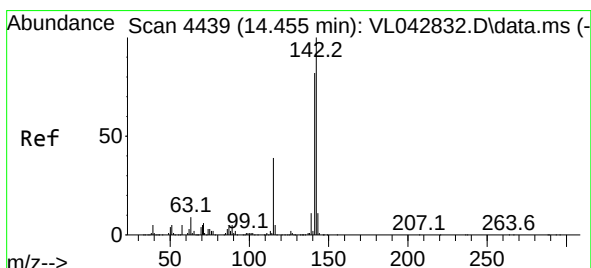
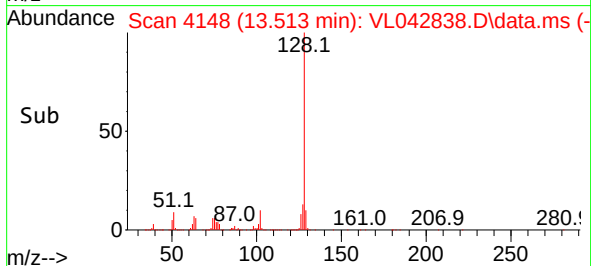
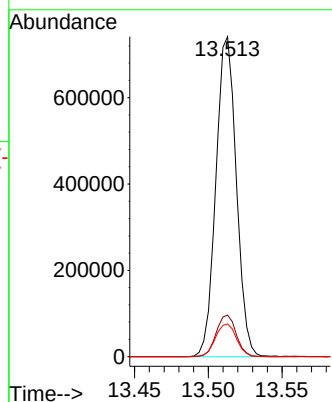
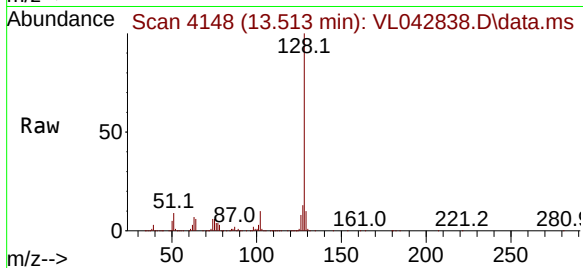
Tgt Ion:128 Resp: 715434

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.3 8.9 13.3



#80

Naphthalene, 2-methyl-

Concen: 24.862 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042838.D

Acq: 11 Aug 2025 12:07

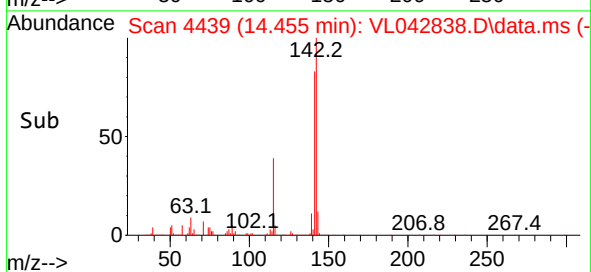
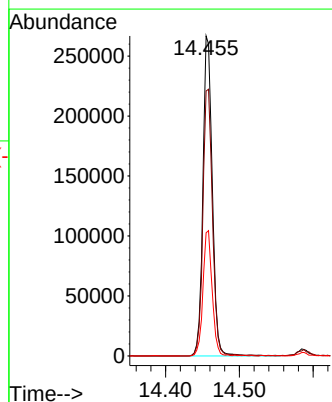
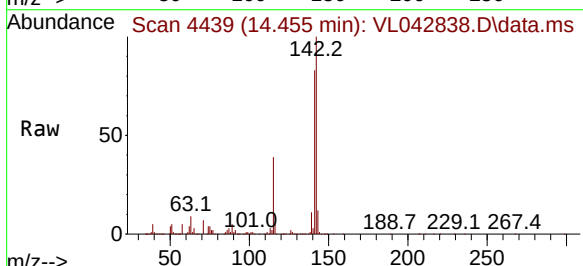
Tgt Ion:142 Resp: 236679

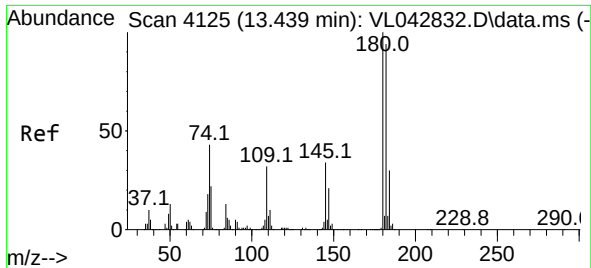
Ion Ratio Lower Upper

142 100

141 85.2 66.4 99.6

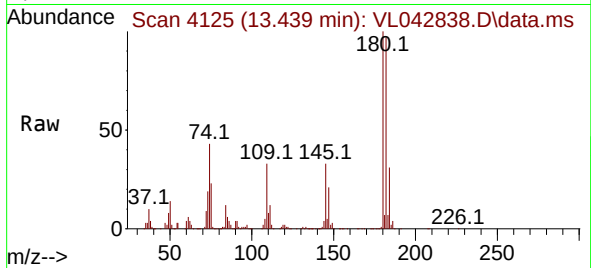
115 38.4 30.8 46.2





#81
 1,2,4-Trichlorobenzene
 Concen: 19.530 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042838.D
 Acq: 11 Aug 2025 12:07

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 406215
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.4 114.6
 184 30.5 24.0 36.0

