

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
 Data File : VL042836.D
 Acq On : 11 Aug 2025 10:58
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 12 01:09:08 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 01:04:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	124984	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	324393	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	278535	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	211721	9.432	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	2102	0.120	ppbv	90
3) Chlorodifluoromethane	1.476	51	2950	0.126	ppbv	100
4) Chloromethane	1.531	50	854	0.117	ppbv	95
5) Vinyl Chloride	1.580	62	711	0.102	ppbv	93
6) Bromomethane	1.670	94	295	0.112	ppbv #	5
7) Chloroethane	1.703	64	392	0.148	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	1604	0.110	ppbv #	80
9) Propene	1.602	41	637	0.079	ppbv	85
10) Heptane	4.978	43	402	0.021	ppbv #	29
11) Trichlorofluoromethane	1.877	101	2086	0.119	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.140	101	1702	0.123	ppbv	91
13) Ethanol	1.431	45	115865	128.593	ppbv	87
14) Bromoethene	1.780	108	590	0.117	ppbv #	69
15) Acetone	1.839	43	3355	0.191	ppbv	95
16) 1,3-Butadiene	1.609	39	796	0.103	ppbv #	58
17) tert-Butyl alcohol	2.042	59	1972	0.130	ppbv #	82
18) 1,1-Dichloroethene	2.033	96	967	0.164	ppbv #	66
19) Isopropyl Alcohol	1.431	45	115865	12.161	ppbv #	95
20) Methylene Chloride	2.062	84	3833	0.575	ppbv	94
21) Allyl Chloride	2.094	41	1265	0.113	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	867	0.130	ppbv	84
23) Vinyl Acetate	2.460	43	2979	0.132	ppbv #	68
24) 1,1-Dichloroethane	2.408	63	1592	0.115	ppbv #	77
25) Ethyl Acetate	2.829	43	2936	0.074	ppbv #	82
26) Hexane	2.822	57	5210	0.298	ppbv #	58
27) Carbon Disulfide	2.146	76	1775	0.112	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	254	0.031	ppbv #	52
29) Chloroform	2.848	83	3501	0.123	ppbv	95
30) Cyclohexane	3.852	84	532	0.043	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	1855	0.112	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	2766	0.103	ppbv #	71
34) 2-Butanone	2.564	43	2868	0.119	ppbv	99
35) Carbon Tetrachloride	3.764	117	1681	0.060	ppbv #	55
36) Benzene	3.654	78	2777	0.089	ppbv	98
37) 1,2-Dichloroethane	3.211	62	1210	0.060	ppbv #	81
38) Trichloroethene	4.548	130	963	0.061	ppbv #	64
39) 1,2-Dichloropropane	3.955	63	83798	6.877	ppbv #	17
40) 1,4-Dioxane	4.590	88	33	0.007	ppbv #	20
41) Tetrahydrofuran	3.065	42	564	0.049	ppbv #	25
42) Bromodichloromethane	4.480	83	1392	0.051	ppbv #	79
43) Methyl Methacrylate	4.878	69	236	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	4.635	57	2062	0.040	ppbv #	36
45) t-1,3-Dichloropropene	6.422	75	296	0.026	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081125\
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 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

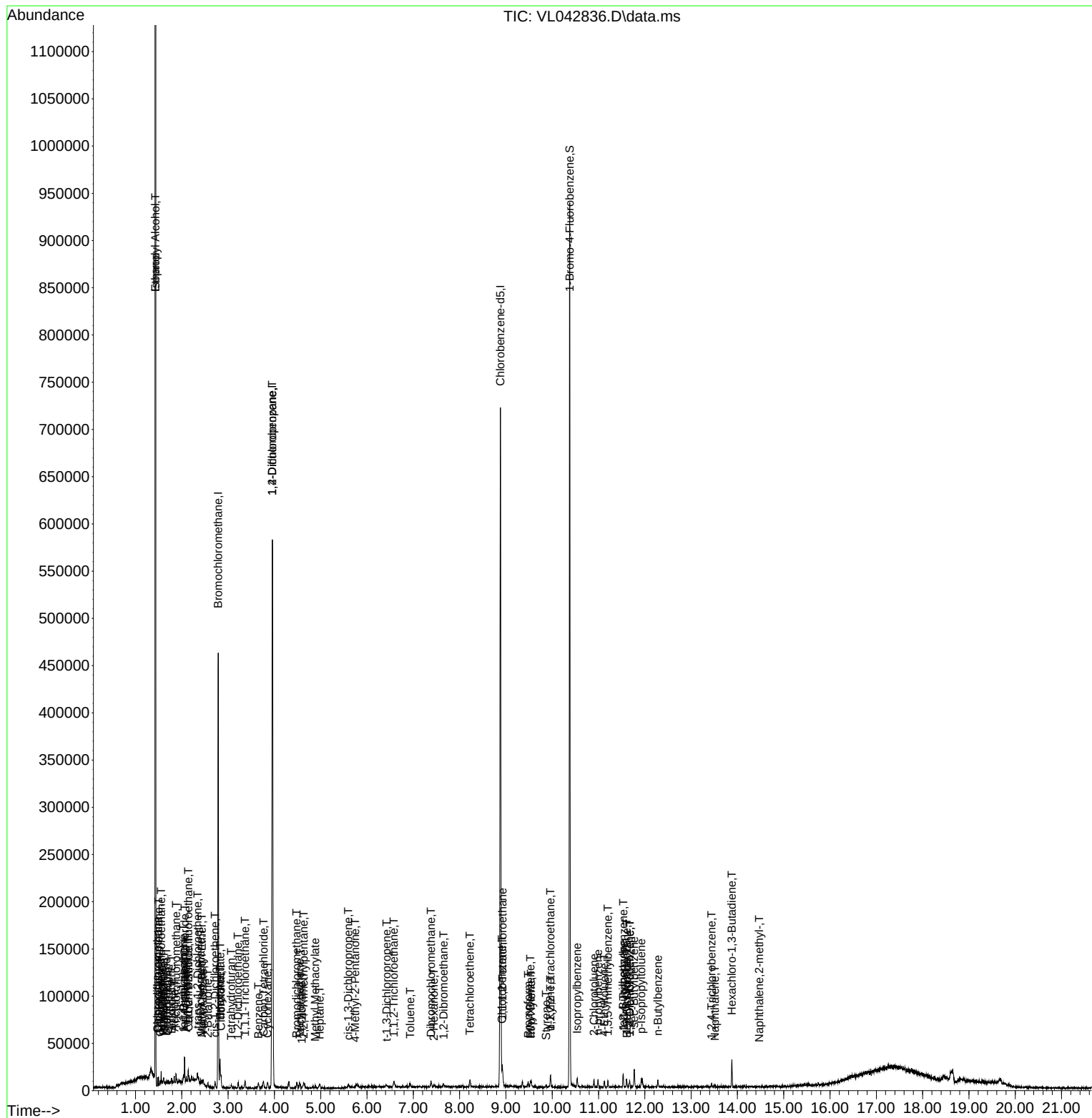
Quant Time: Aug 12 01:09:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 12 01:04:40 2025
 Response via : Initial Calibration

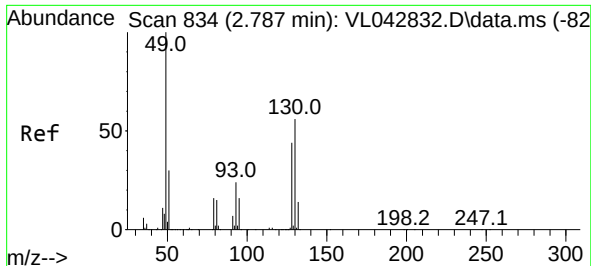
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.593	75	325	0.022	ppbv	#	2
47) 1,1,2-Trichloroethane	6.577	97	433	0.033	ppbv	#	36
48) Dibromochloromethane	7.383	129	988	0.046	ppbv	#	1
49) Bromoform	9.483	173	979	0.052	ppbv	#	33
50) 4-Methyl-2-Pentanone	5.742	43	96	0.003	ppbv	#	41
51) 2-Hexanone	7.441	43	528	0.026	ppbv	#	14
52) Tetrachloroethene	8.221	164	1223	0.103	ppbv	#	65
53) Toluene	6.936	91	1626	0.056	ppbv	#	54
54) 1,2-Dibromoethane	7.652	107	1142	0.064	ppbv	#	78
56) 1,1,1,2-Tetrachloroethane	8.924	131	2067	0.121	ppbv	#	1
57) Chlorobenzene	8.917	112	1924	0.065	ppbv	#	68
58) Ethyl Benzene	9.526	91	1363	0.034	ppbv		91
59) m/p-Xylene	9.545	91	1651	0.047	ppbv	#	100
60) o-Xylene	9.963	91	1768	0.052	ppbv		78
61) Styrene	9.865	104	543	0.043	ppbv	#	61
62) Isopropylbenzene	10.539	105	3534	0.068	ppbv	#	86
63) 1,1,2,2-Tetrachloroethane	9.963	83	2845	0.111	ppbv		97
64) n-propylbenzene	10.989	120	699	0.052	ppbv	#	62
65) tert-Butylbenzene	11.529	119	2366	0.052	ppbv		87
66) Benzyl Chloride	11.613	91	179	0.036	ppbv	#	66
67) sec-Butylbenzene	11.765	105	3306	0.049	ppbv		92
69) p-Isopropyltoluene	11.924	119	2610	0.048	ppbv		95
70) n-Butylbenzene	12.283	91	2106	0.039	ppbv	#	92
71) 2-Chlorotoluene	10.901	91	2877	0.076	ppbv		98
72) 4-Ethyltoluene	11.124	105	2200	0.054	ppbv	#	91
73) 1,3,5-Trimethylbenzene	11.202	105	1905	0.054	ppbv	#	66
74) 1,2,4-Trimethylbenzene	11.536	105	2281	0.055	ppbv	#	71
75) 1,3-Dichlorobenzene	11.607	146	1817	0.061	ppbv		90
76) 1,4-Dichlorobenzene	11.671	146	1264	0.045	ppbv		79
77) 1,2-Dichlorobenzene	11.671	146	1264	0.042	ppbv		83
78) Hexachloro-1,3-Butadiene	13.879	225	2815	0.109	ppbv		94
79) Naphthalene	13.510	128	693	0.023	ppbv	#	86
80) Naphthalene,2-methyl-	14.471	142	111	0.012	ppbv	#	72
81) 1,2,4-Trichlorobenzene	13.439	180	372	0.019	ppbv	#	1

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 12 01:09:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Aug 12 01:04:40 2025
Response via : Initial Calibration

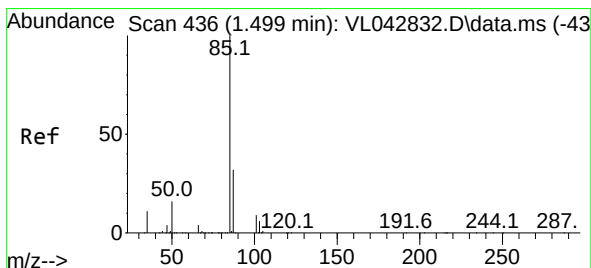
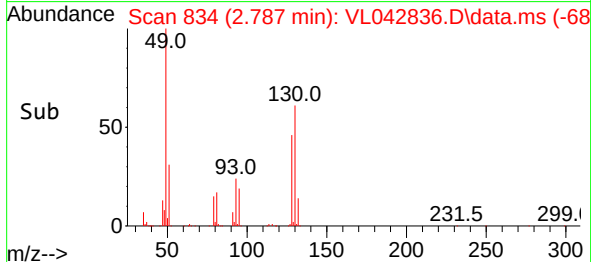
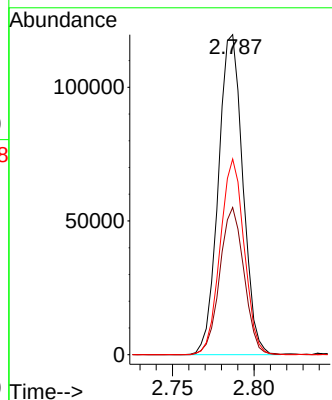
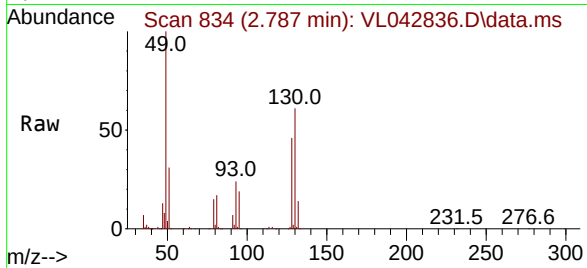




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

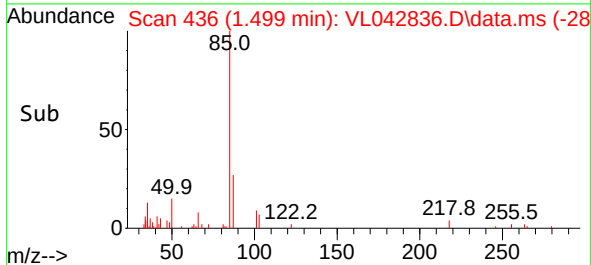
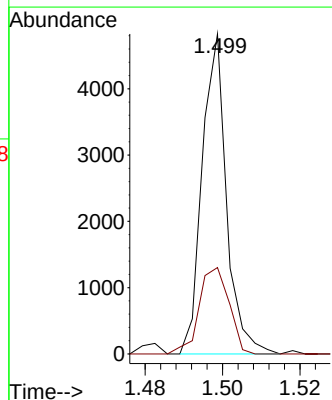
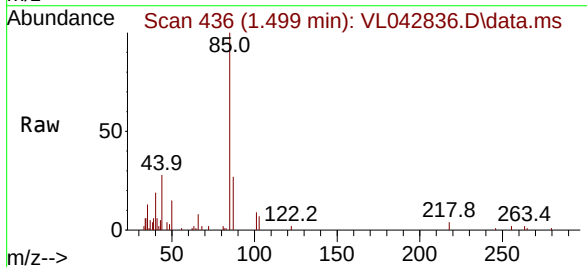
Instrument :
 MSVOA_L
 ClientSampleId :

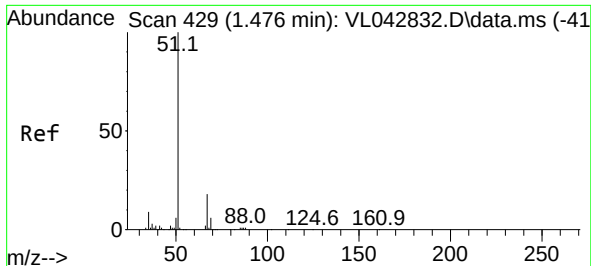
Tgt Ion: 49 Resp: 124984
 Ion Ratio Lower Upper
 49 100
 128 45.6 23.2 69.6
 130 59.9 29.0 87.1



#2
 Dichlorodifluoromethane
 Concen: 0.120 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Tgt Ion: 85 Resp: 2102
 Ion Ratio Lower Upper
 85 100
 87 27.0 25.9 38.9

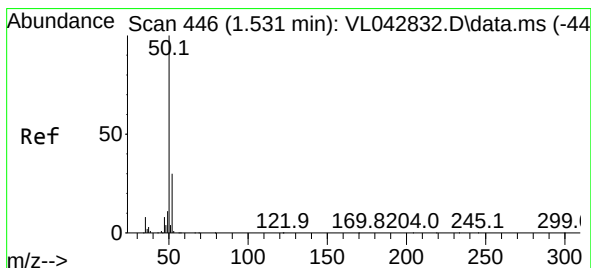
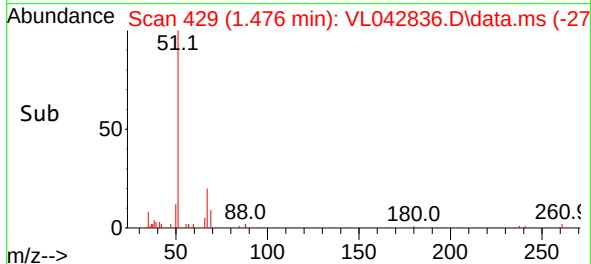
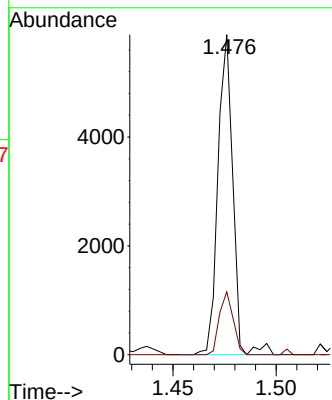
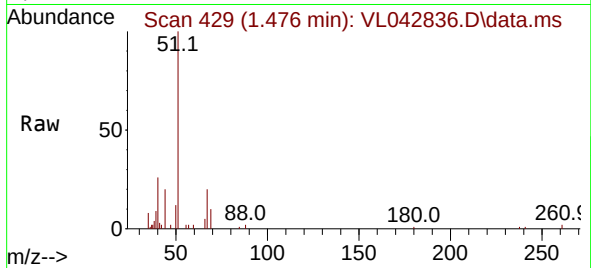




#3
Chlorodifluoromethane
Concen: 0.126 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

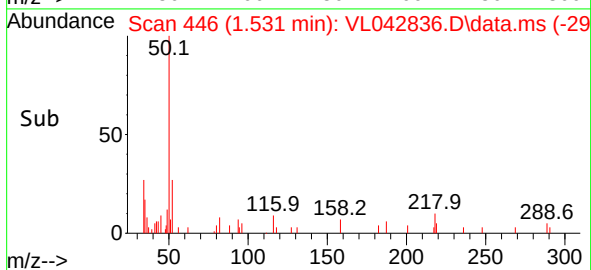
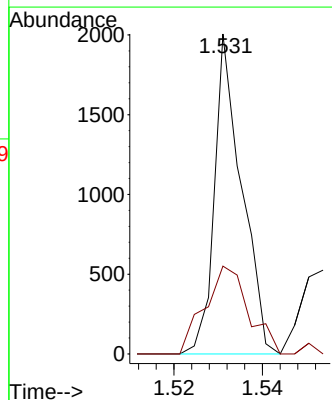
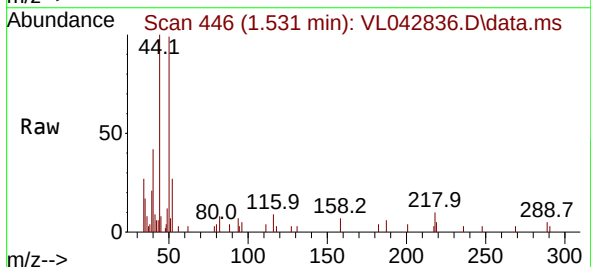
Instrument :
MSVOA_L
ClientSampleId :

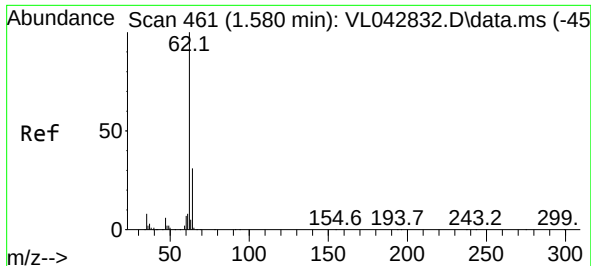
Tgt Ion: 51 Resp: 2950
Ion Ratio Lower Upper
51 100
67 18.3 14.7 22.1



#4
Chloromethane
Concen: 0.117 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 27.5 24.3 36.5

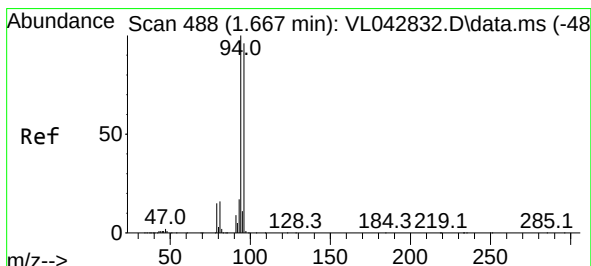
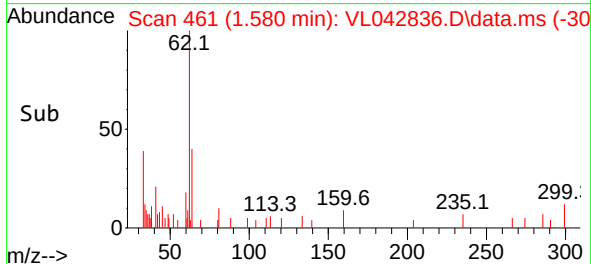
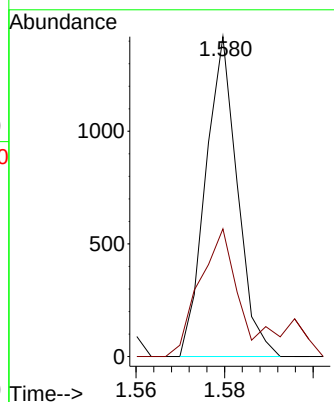
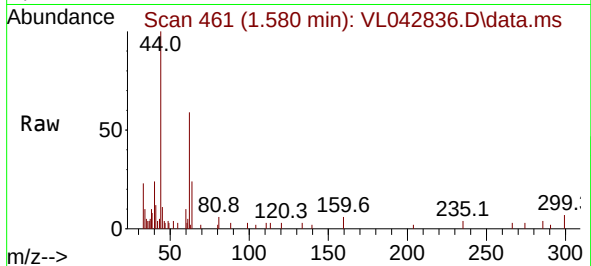




#5
 Vinyl Chloride
 Concen: 0.102 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

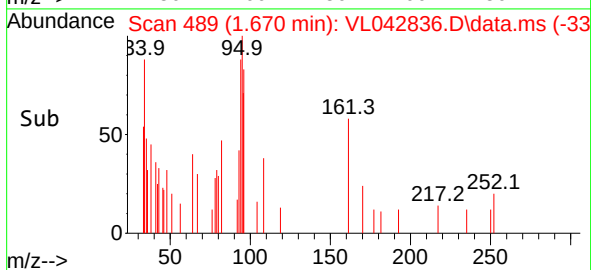
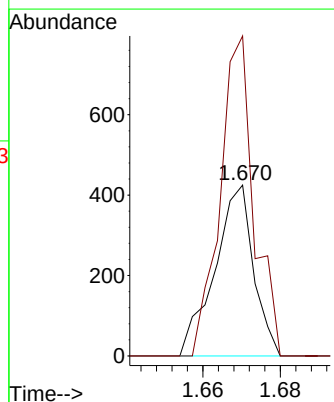
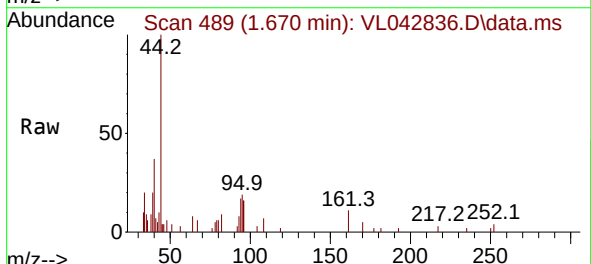
Instrument :
 MSVOA_L
 ClientSampleId :

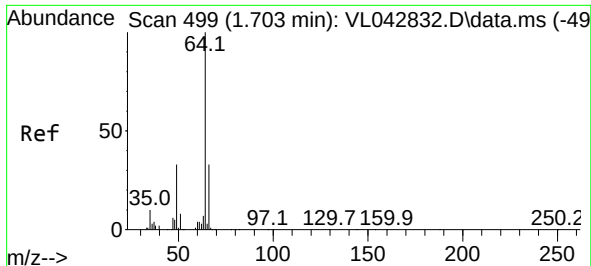
Tgt Ion: 62 Resp: 711
 Ion Ratio Lower Upper
 62 100
 64 34.9 24.9 37.3



#6
 Bromomethane
 Concen: 0.112 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

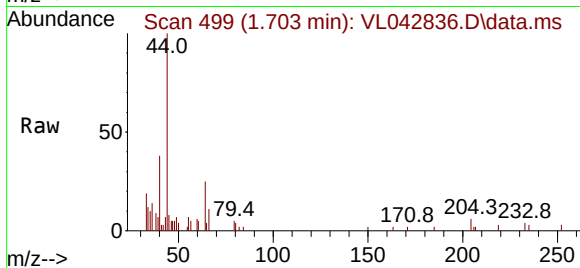
Tgt Ion: 94 Resp: 295
 Ion Ratio Lower Upper
 94 100
 96 187.3 76.2 114.4#



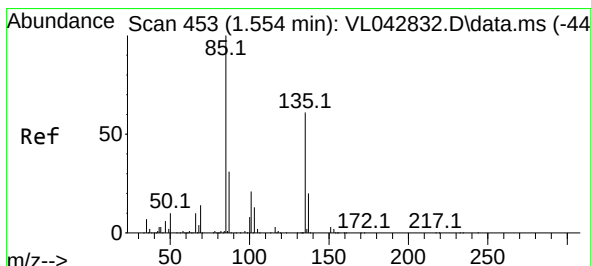
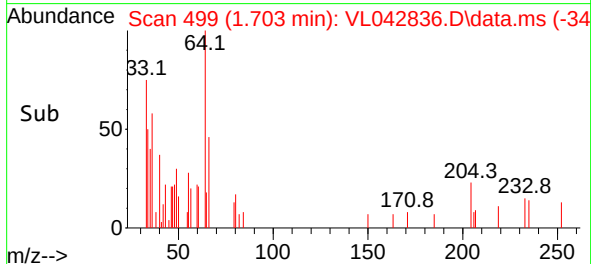
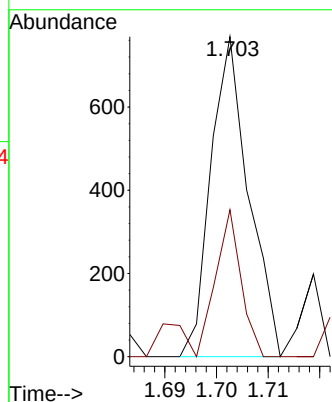


#7
Chloroethane
Concen: 0.148 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Instrument :
MSVOA_1
ClientSampleId :

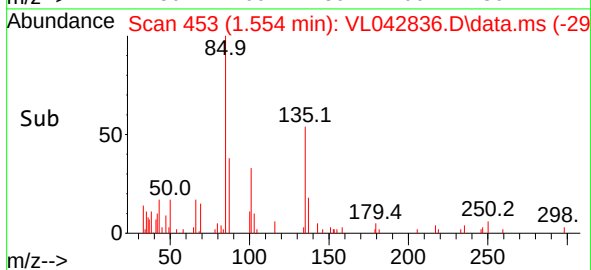
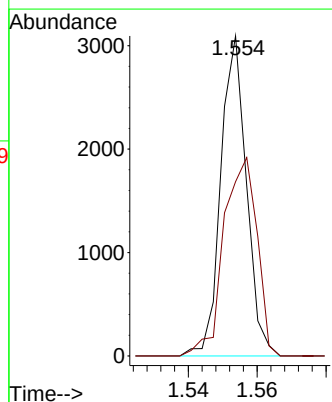
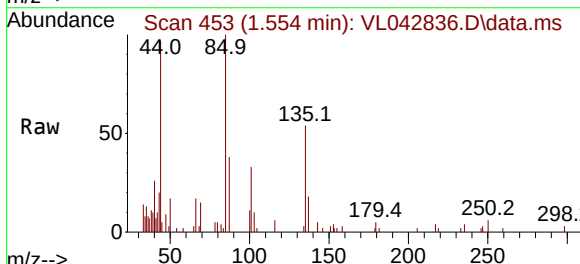


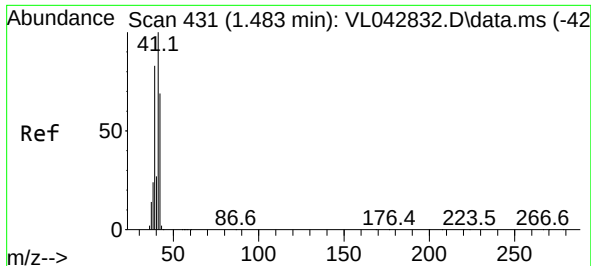
Tgt Ion: 64 Resp: 392
Ion Ratio Lower Upper
64 100
66 38.9 26.6 40.0



#8
Dichlorotetrafluoroethane
Concen: 0.110 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 85 Resp: 1604
Ion Ratio Lower Upper
85 100
135 80.4 51.8 77.8#

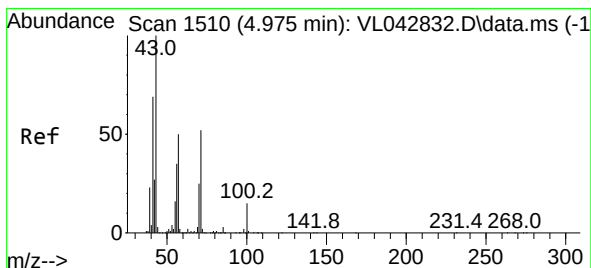
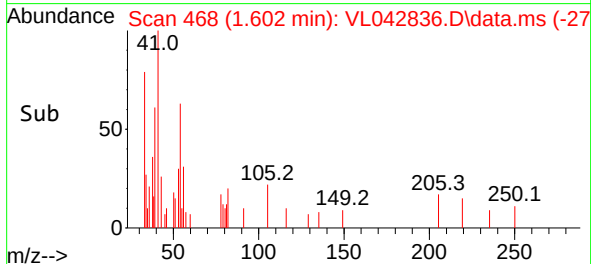
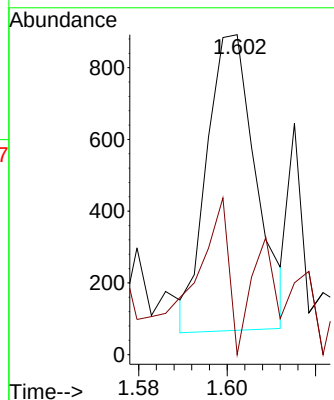
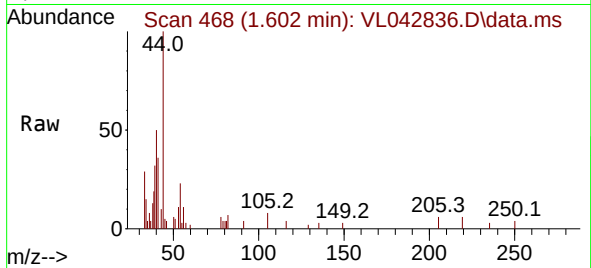




#9
Propene
Concen: 0.079 ppbv
RT: 1.602 min Scan# 41
Delta R.T. 0.120 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

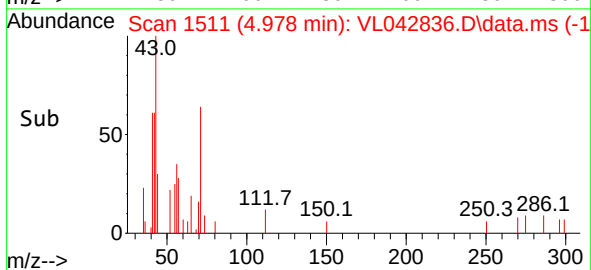
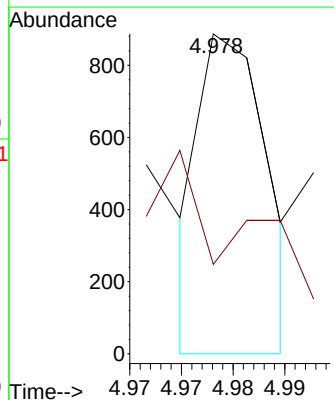
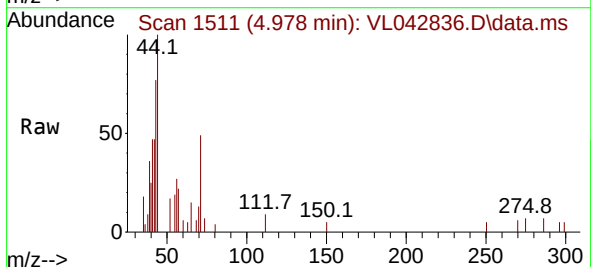
Instrument :
MSVOA_1
ClientSampleId :

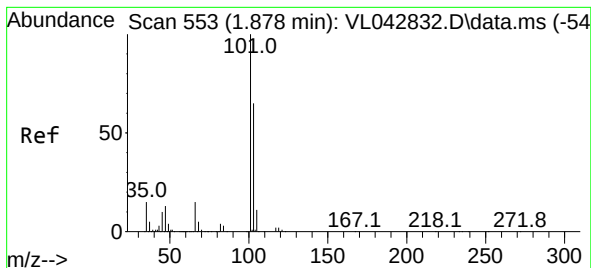
Tgt Ion: 41 Resp: 637
Ion Ratio Lower Upper
41 100
42 56.7 55.4 83.0



#10
Heptane
Concen: 0.021 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 43 Resp: 402
Ion Ratio Lower Upper
43 100
57 0.0 38.7 58.1#





#11

Trichlorofluoromethane

Concen: 0.119 ppbv

RT: 1.877 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

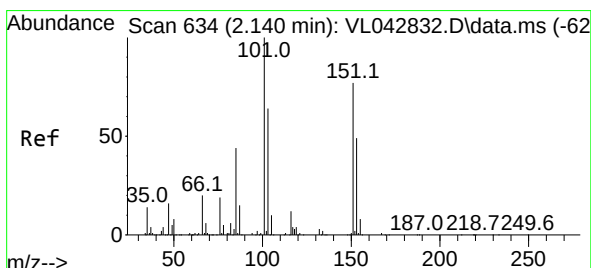
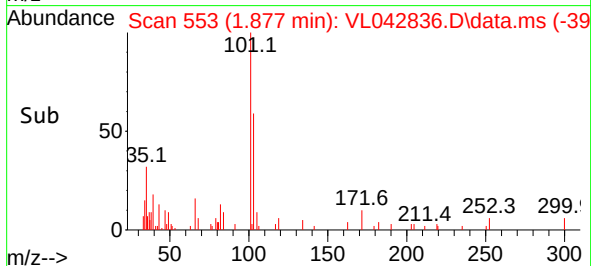
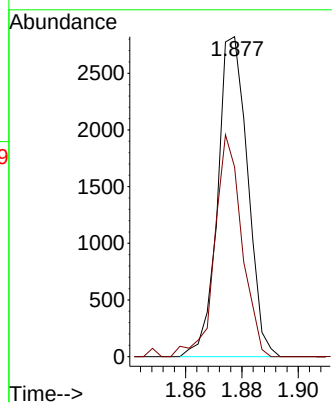
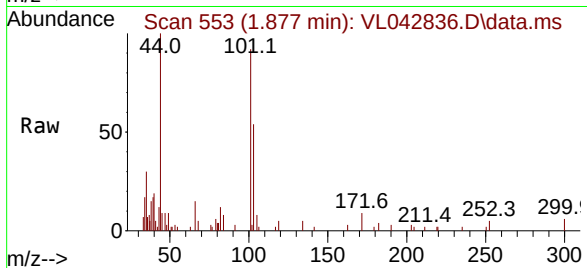
ClientSampleId :

Tgt Ion:101 Resp: 2086

Ion Ratio Lower Upper

101 100

103 59.3 51.7 77.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.123 ppbv

RT: 2.140 min Scan# 634

Delta R.T. -0.000 min

Lab File: VL042836.D

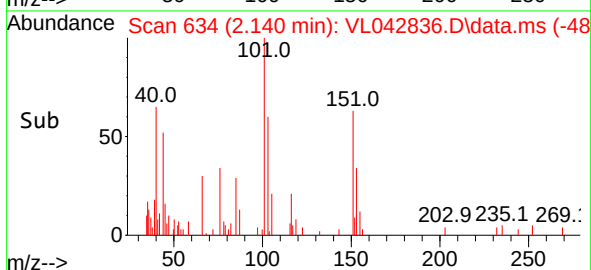
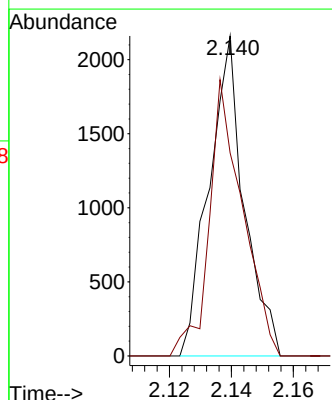
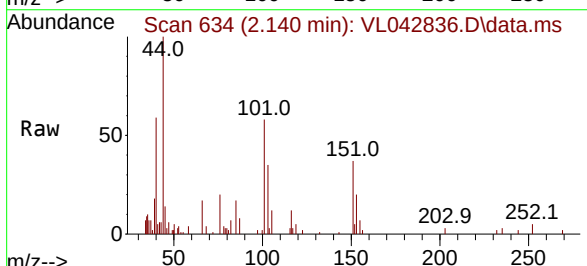
Acq: 11 Aug 2025 10:58

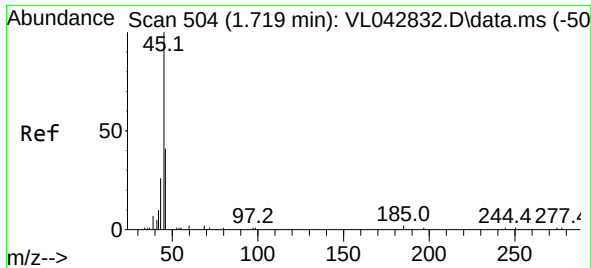
Tgt Ion:101 Resp: 1702

Ion Ratio Lower Upper

101 100

151 81.6 59.3 88.9

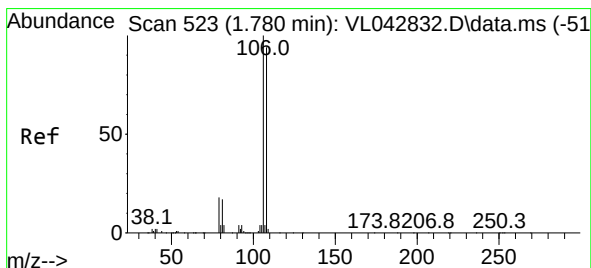
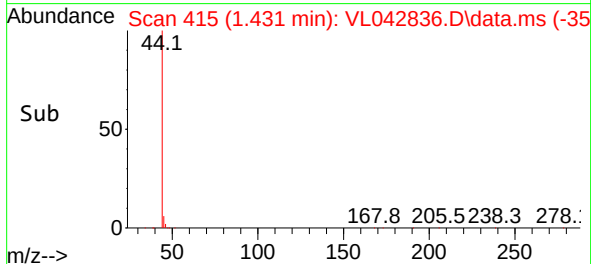
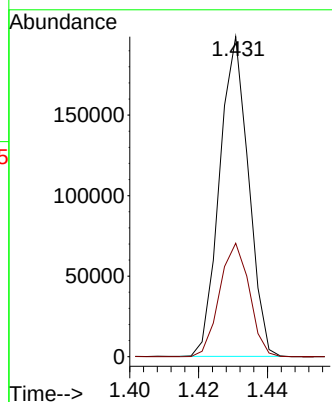
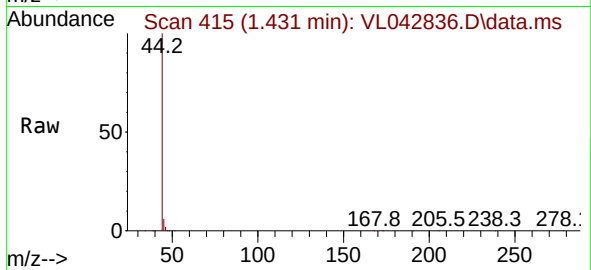




#13
Ethanol
Concen: 128.593 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.288 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

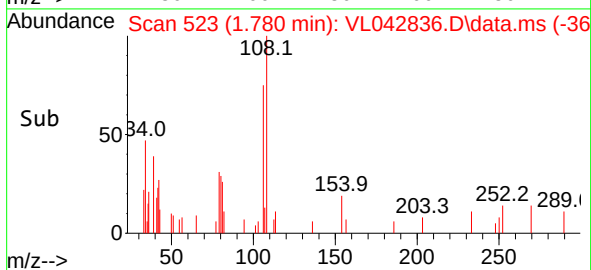
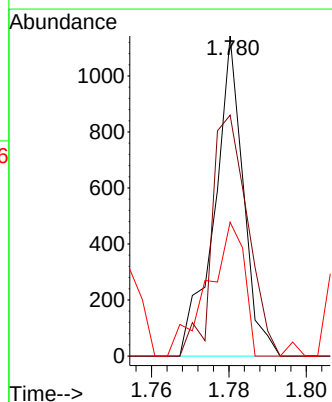
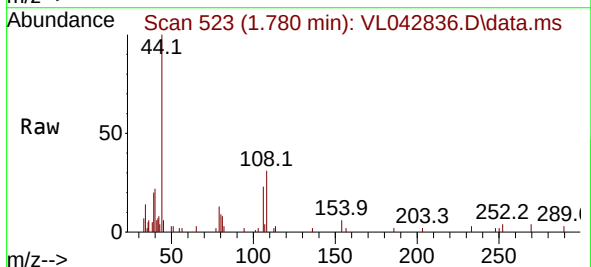
Instrument :
MSVOA_L
ClientSampleId :

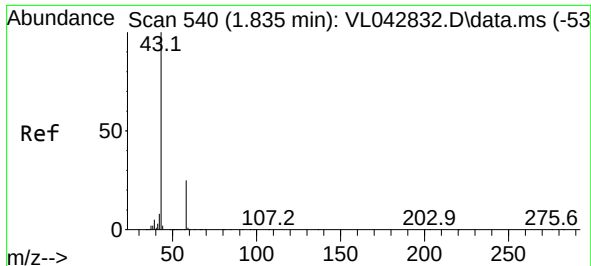
Tgt Ion: 45 Resp: 115865
Ion Ratio Lower Upper
45 100
46 36.5 18.1 72.5



#14
Bromoethene
Concen: 0.117 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 108 Resp: 590
Ion Ratio Lower Upper
108 100
106 93.6 82.6 123.8
79 85.1 15.9 23.9#

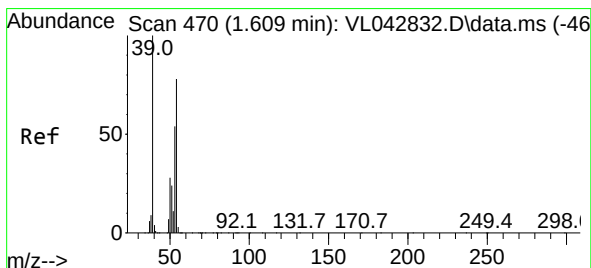
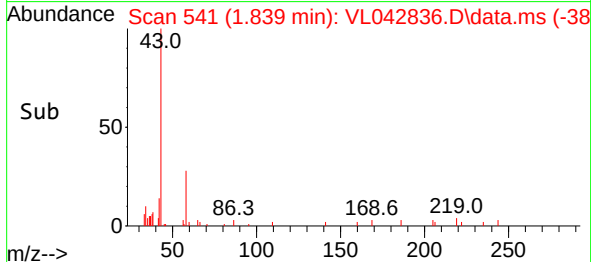
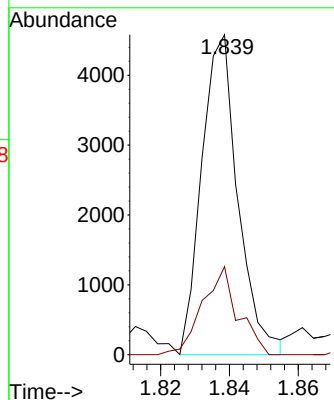
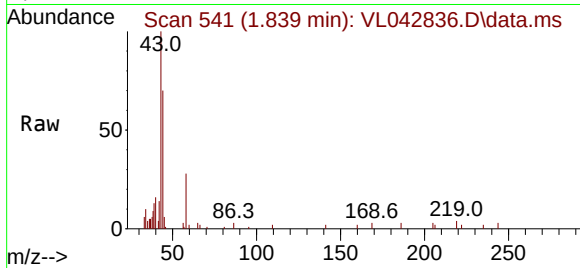




#15
Acetone
Concen: 0.191 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

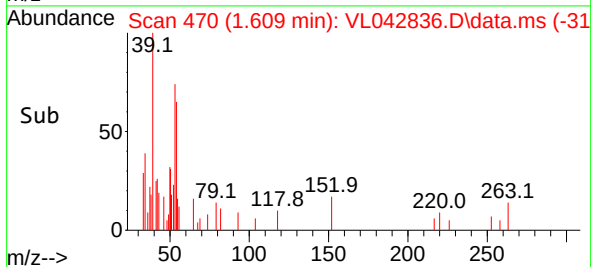
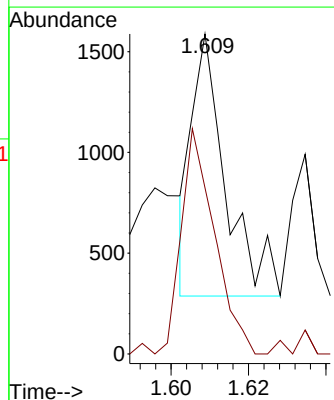
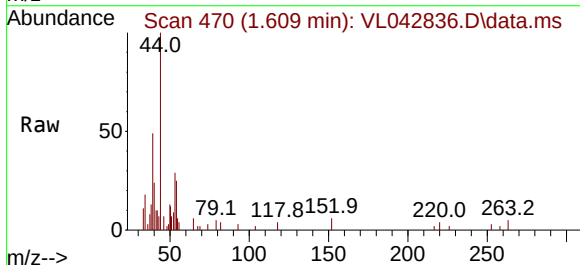
Instrument :
MSVOA_L
ClientSampleId :

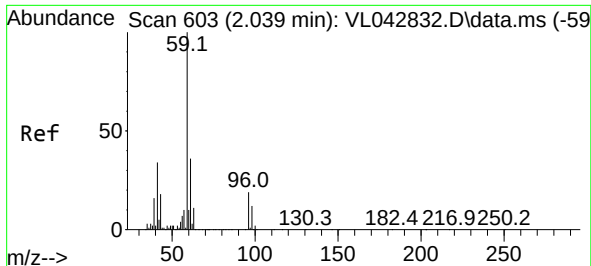
Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
58 27.0 19.5 29.3



#16
1,3-Butadiene
Concen: 0.103 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 39 Resp: 796
Ion Ratio Lower Upper
39 100
54 101.8 54.1 81.1#





#17

tert-Butyl alcohol

Concen: 0.130 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

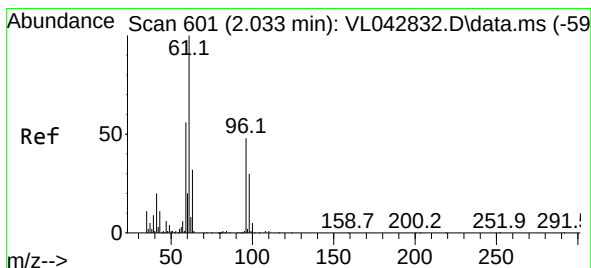
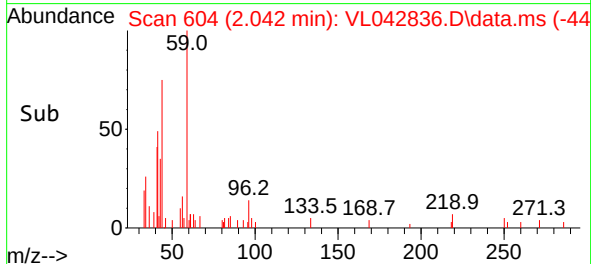
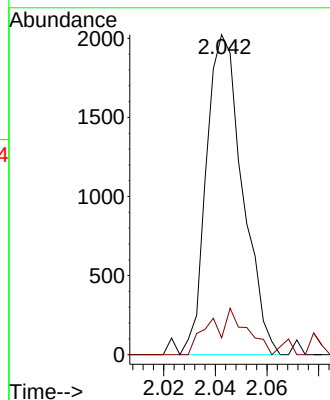
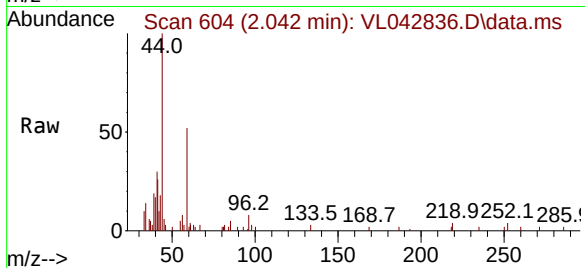
ClientSampleId :

Tgt Ion: 59 Resp: 1972

Ion Ratio Lower Upper

59 100

57 17.9 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.164 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

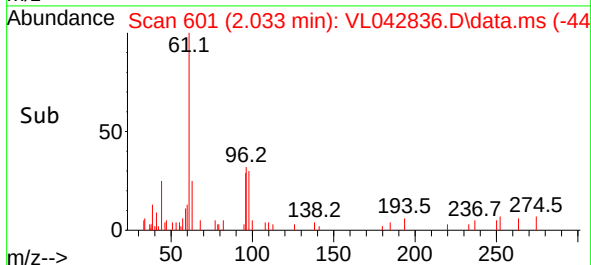
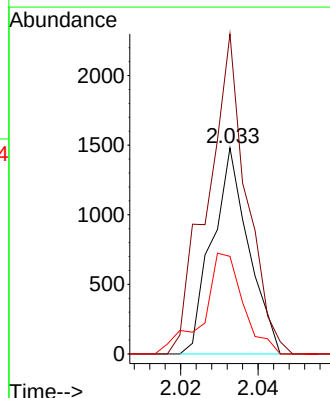
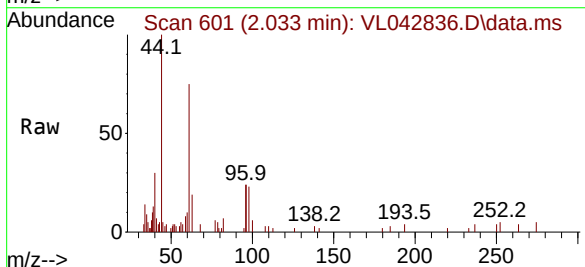
Tgt Ion: 96 Resp: 967

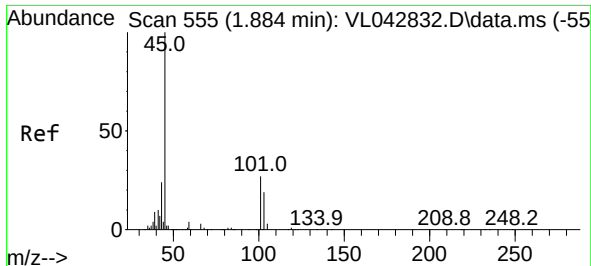
Ion Ratio Lower Upper

96 100

61 149.3 167.9 251.9#

98 47.3 49.6 74.4#

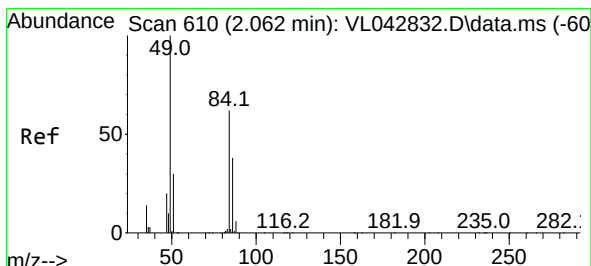
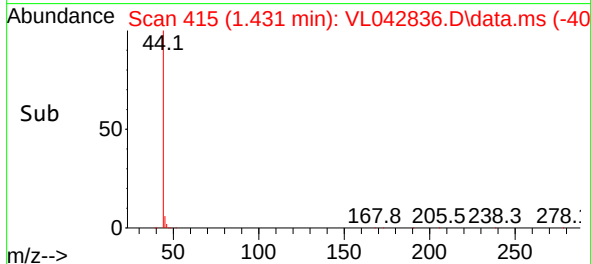
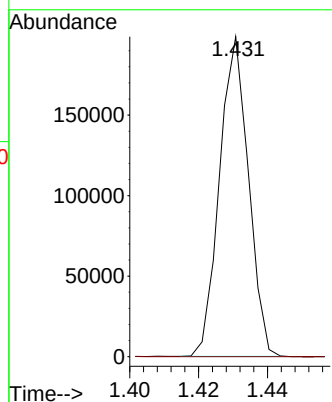
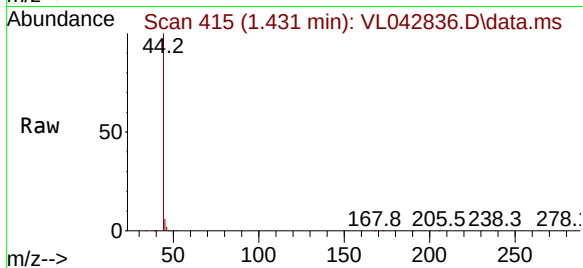




#19
Isopropyl Alcohol
Concen: 12.161 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.453 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

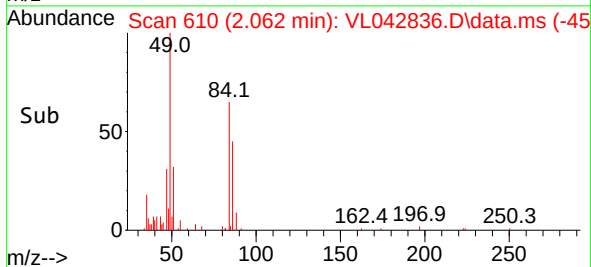
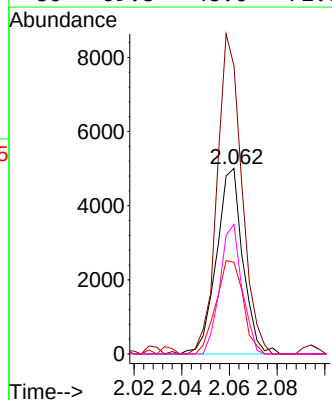
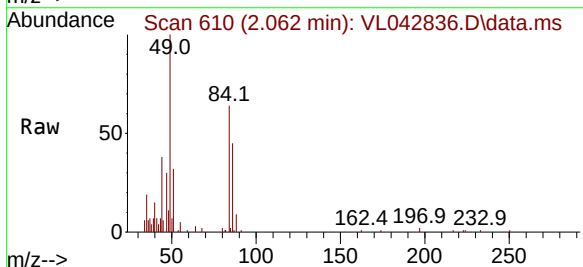
Instrument :
MSVOA_L
ClientSampleId :

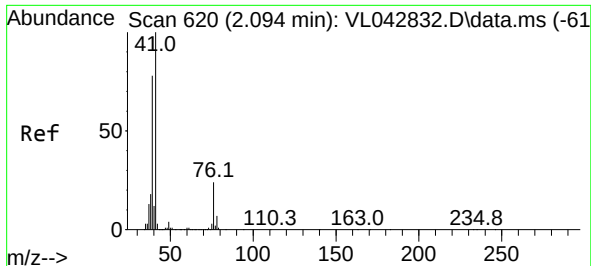
Tgt Ion: 45 Resp: 115865
Ion Ratio Lower Upper
45 100
58 0.1 1.6 2.4#



#20
Methylene Chloride
Concen: 0.575 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 84 Resp: 3833
Ion Ratio Lower Upper
84 100
49 155.2 129.3 193.9
51 49.4 41.1 61.7
86 69.8 48.6 72.8

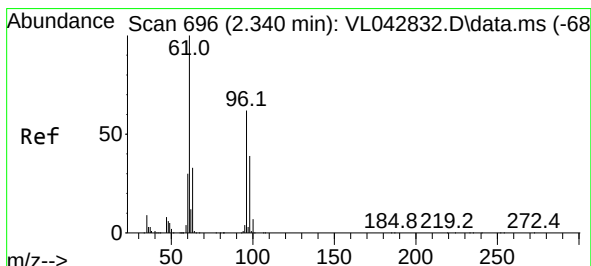
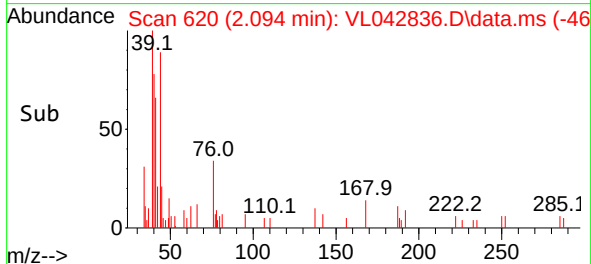
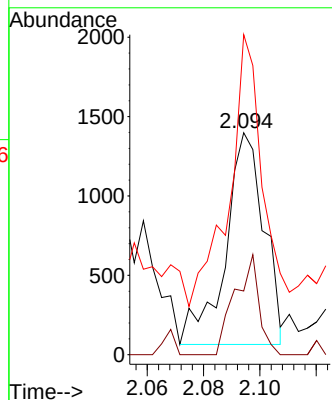
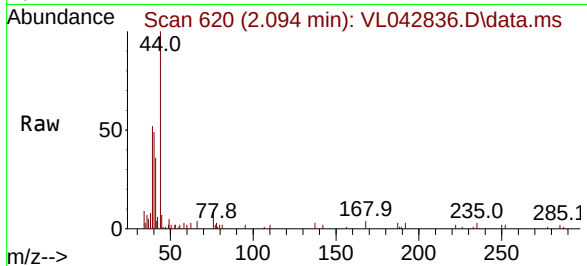




#21
 Allyl Chloride
 Concen: 0.113 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

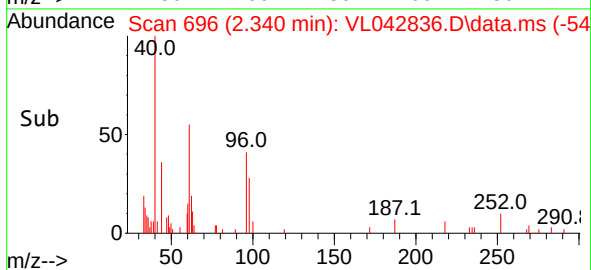
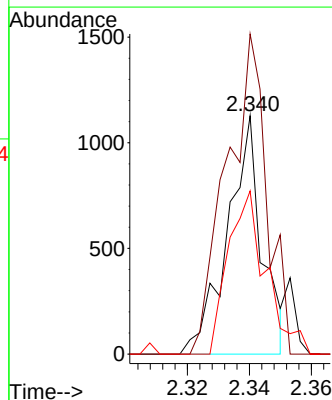
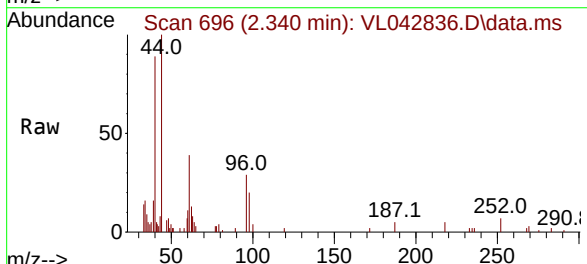
Instrument :
 MSVOA_L
 ClientSampleId :

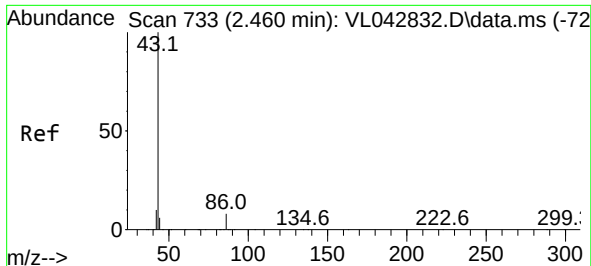
Tgt Ion: 41 Resp: 1265
 Ion Ratio Lower Upper
 41 100
 76 29.7 20.4 30.6
 39 82.0 66.2 99.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.130 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

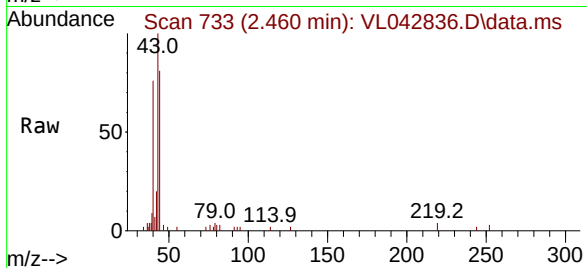
Tgt Ion: 96 Resp: 867
 Ion Ratio Lower Upper
 96 100
 61 134.3 128.1 192.1
 98 68.4 50.2 75.4



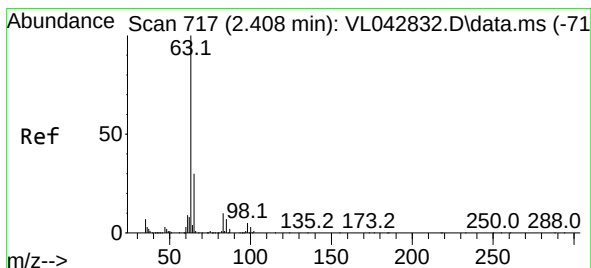
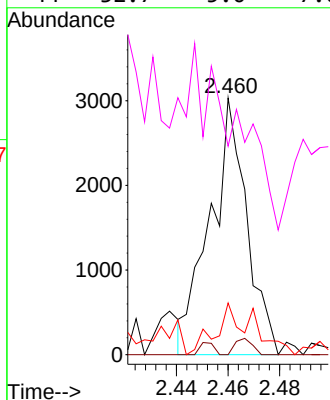
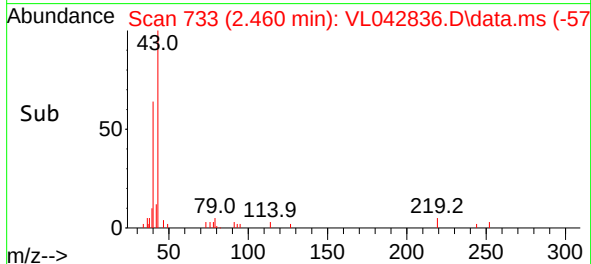


#23
 Vinyl Acetate
 Concen: 0.132 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Instrument :
 MSVOA_1
 ClientSampleId :

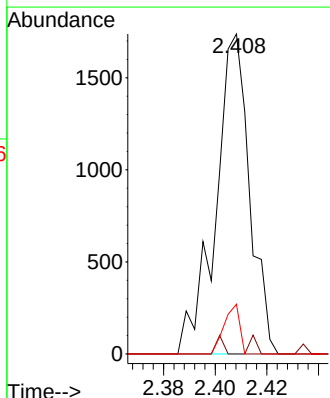
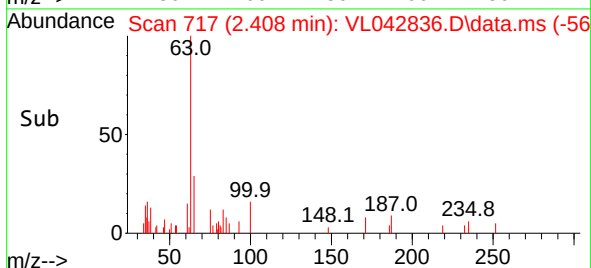
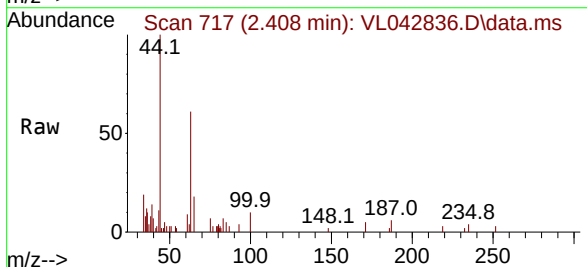


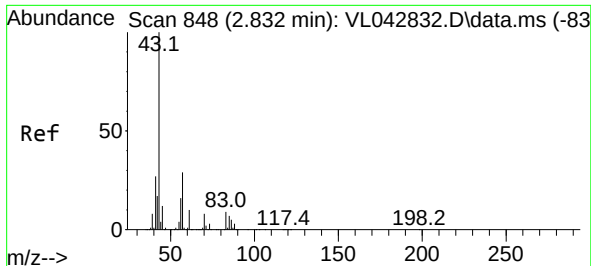
Tgt Ion:	43	Resp:	2979
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	14.8	8.5	12.7#
44	32.7	5.0	7.6#



#24
 1,1-Dichloroethane
 Concen: 0.115 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Tgt Ion:	63	Resp:	1592
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.1#
100	15.5	1.6	4.7#





#25

Ethyl Acetate

Concen: 0.074 ppbv

RT: 2.829 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 2936

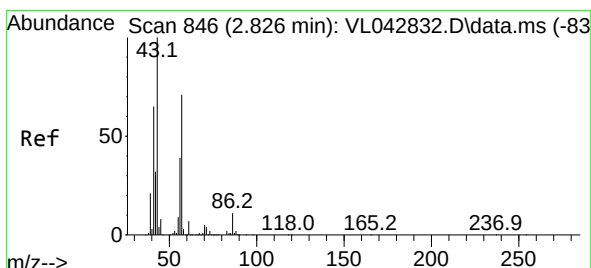
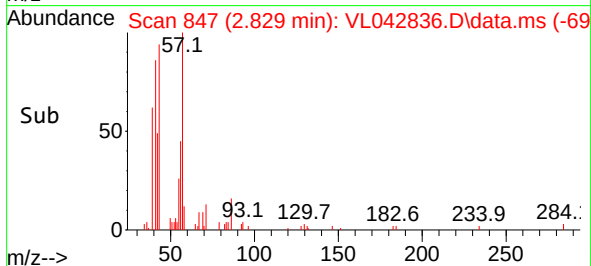
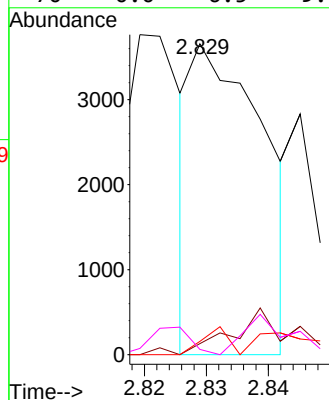
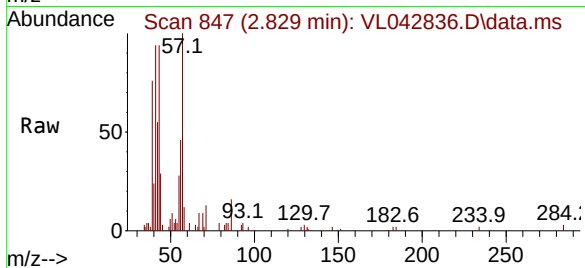
Ion Ratio Lower Upper

43 100

45 0.0 7.8 11.8#

61 10.2 7.0 10.6

70 0.0 6.5 9.7#



#26

Hexane

Concen: 0.298 ppbv

RT: 2.822 min Scan# 845

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Tgt Ion: 57 Resp: 5210

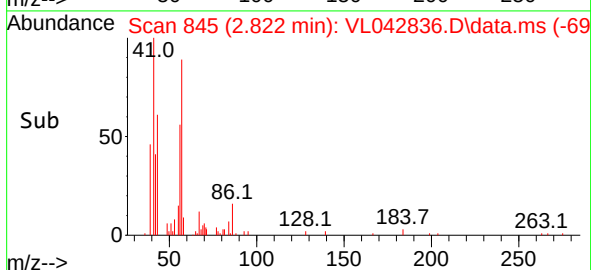
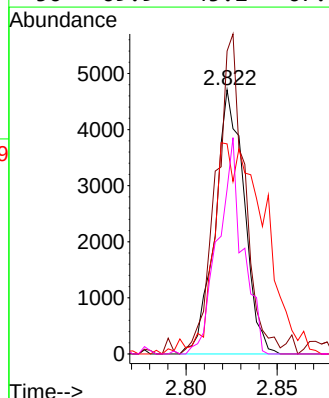
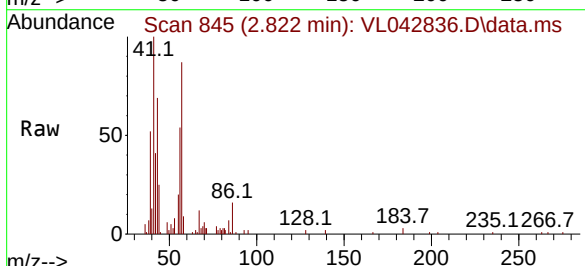
Ion Ratio Lower Upper

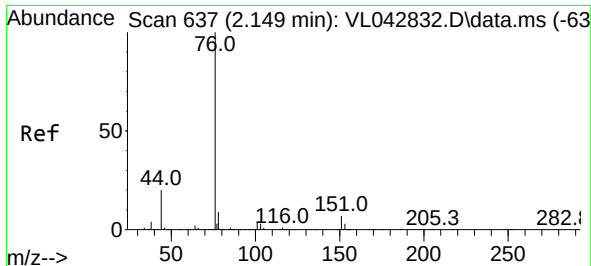
57 100

41 121.6 76.8 115.2#

43 141.9 185.4 278.2#

56 69.9 45.2 67.8#

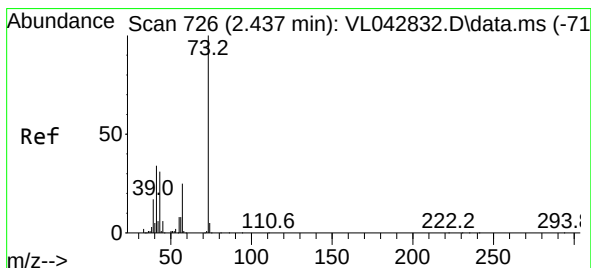
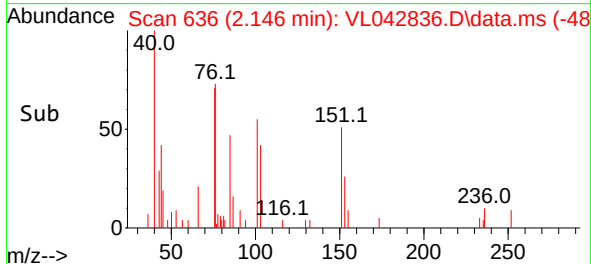
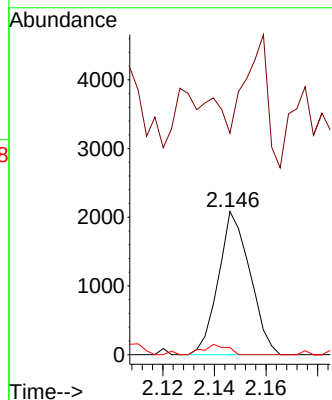
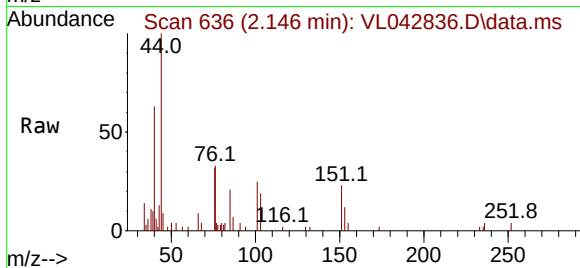




#27
Carbon Disulfide
Concen: 0.112 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

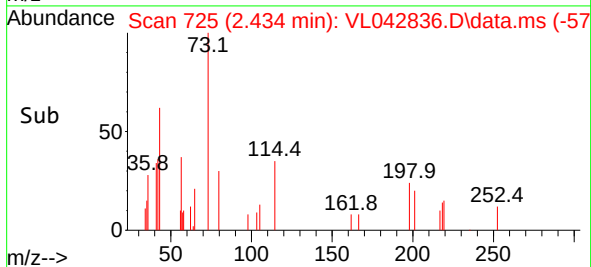
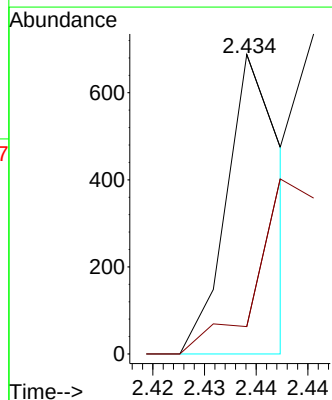
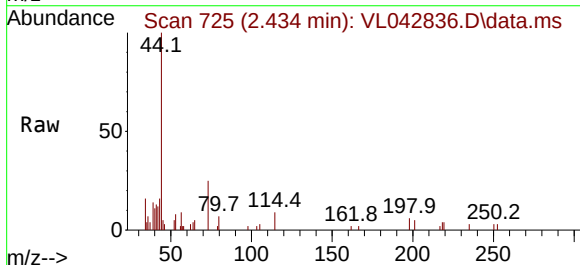
Instrument :
MSVOA_L
ClientSampleId :

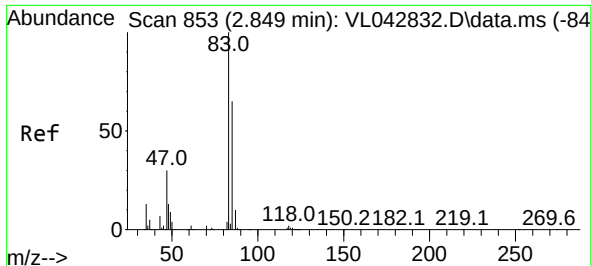
Tgt Ion: 76 Resp: 1775
Ion Ratio Lower Upper
76 100
44 132.7 19.4 29.0#
78 5.5 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.031 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 73 Resp: 254
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#29

Chloroform

Concen: 0.123 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

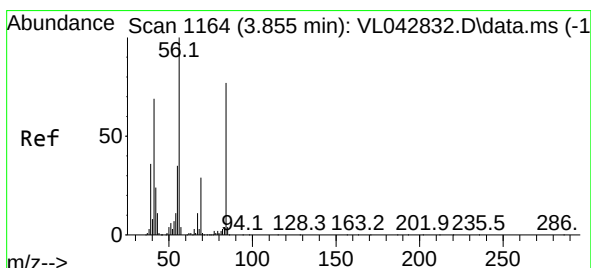
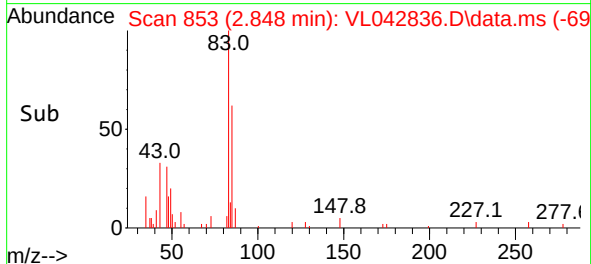
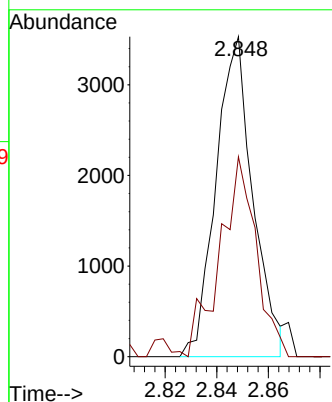
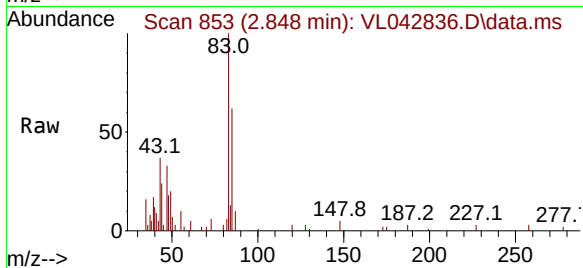
ClientSampleId :

Tgt Ion: 83 Resp: 3501

Ion Ratio Lower Upper

83 100

85 60.9 51.9 77.9



#30

Cyclohexane

Concen: 0.043 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

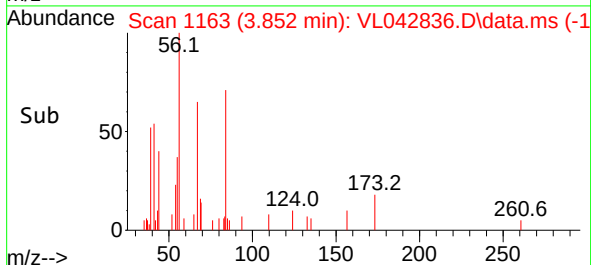
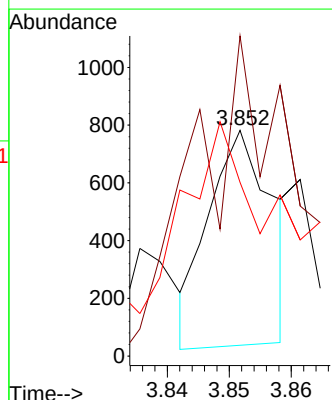
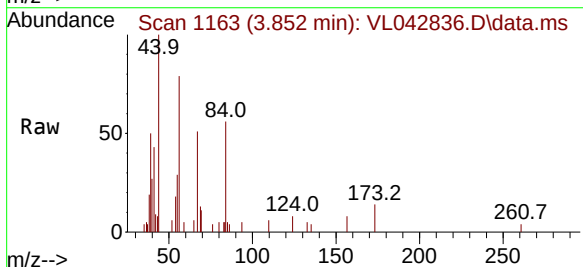
Tgt Ion: 84 Resp: 532

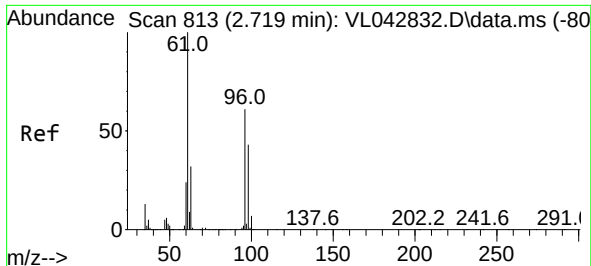
Ion Ratio Lower Upper

84 100

56 250.9 102.9 154.3#

41 245.5 72.2 108.4#

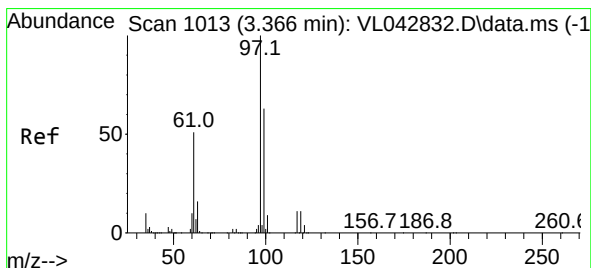
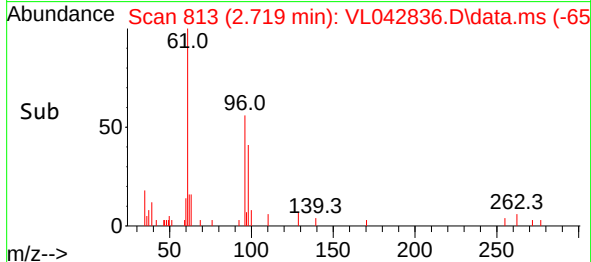
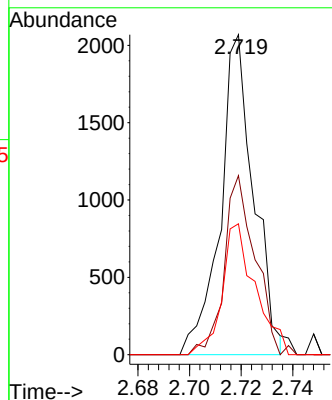
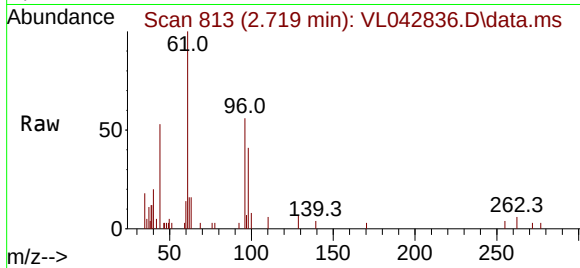




#31
 cis-1,2-Dichloroethene
 Concen: 0.112 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

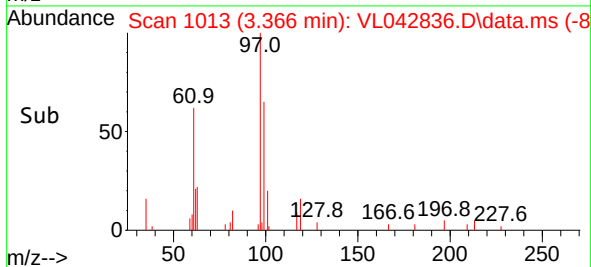
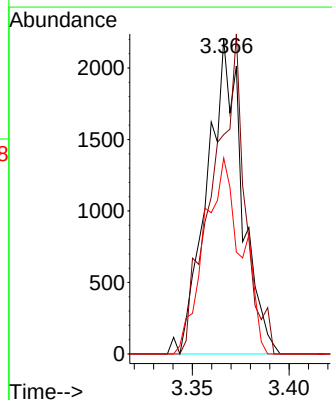
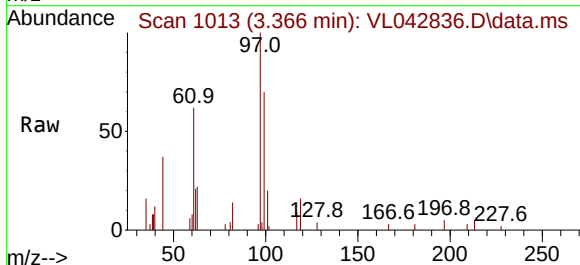
Instrument :
 MSVOA_L
 ClientSampleId :

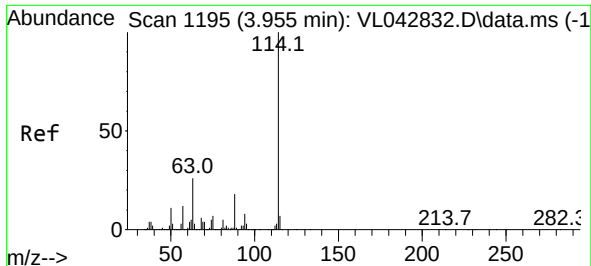
Tgt Ion: 61 Resp: 1855
 Ion Ratio Lower Upper
 61 100
 96 56.0 49.1 73.7
 98 40.9 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 0.103 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Tgt Ion: 97 Resp: 2766
 Ion Ratio Lower Upper
 97 100
 99 92.1 50.7 76.1#
 61 66.5 42.0 63.0#

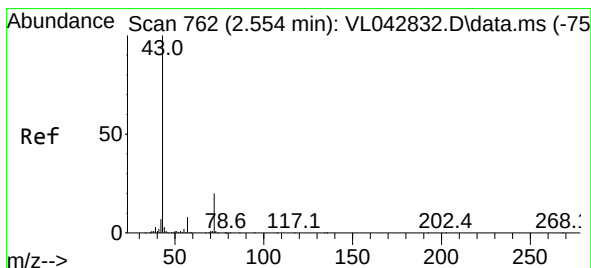
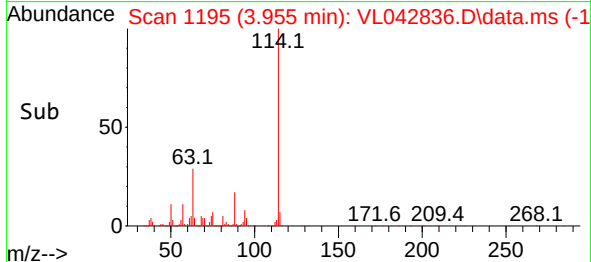
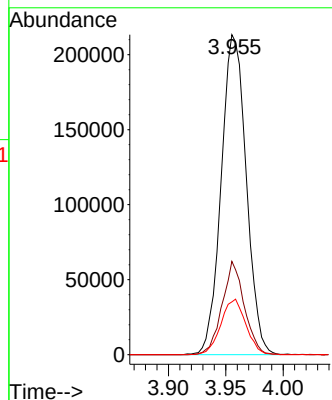
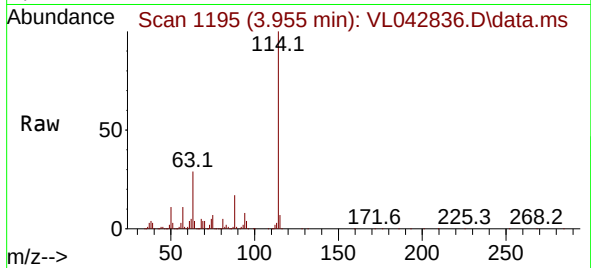




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

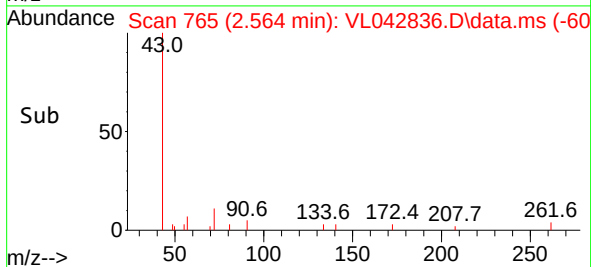
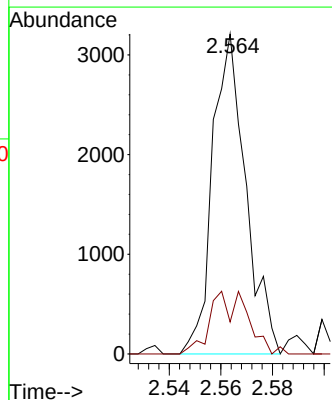
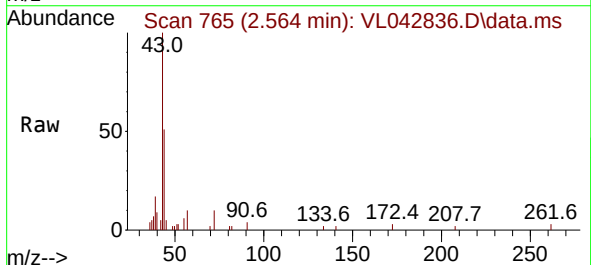
Instrument :
MSVOA_L
ClientSampleId :

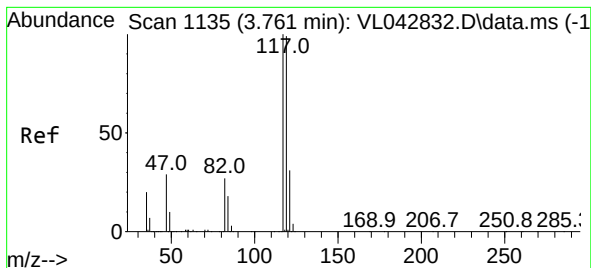
Tgt Ion:114 Resp: 324393
Ion Ratio Lower Upper
114 100
63 25.9 21.0 31.6
88 17.3 13.8 20.8



#34
2-Butanone
Concen: 0.119 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.010 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 43 Resp: 2868
Ion Ratio Lower Upper
43 100
72 22.0 17.2 25.8





#35

Carbon Tetrachloride

Concen: 0.060 ppbv

RT: 3.764 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

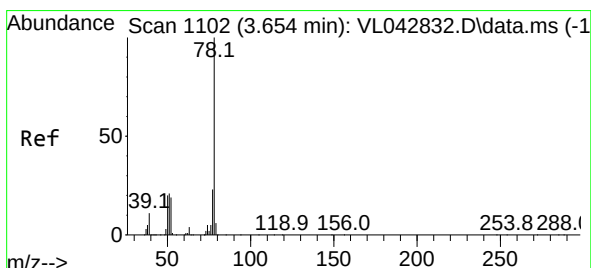
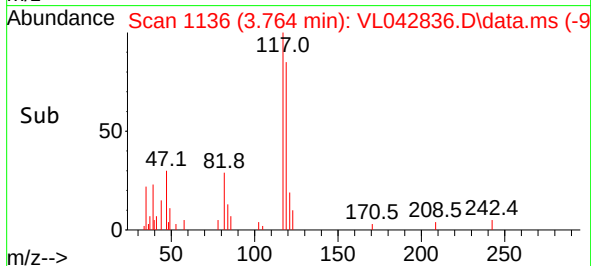
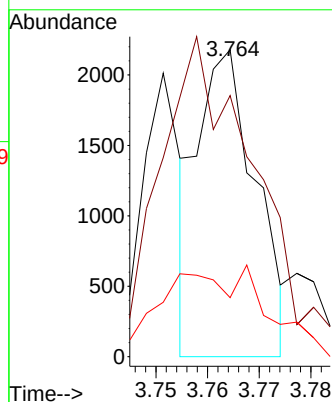
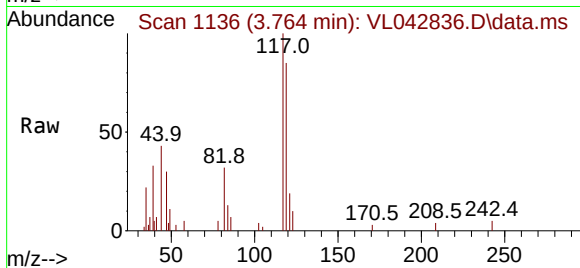
Tgt Ion:117 Resp: 1681

Ion Ratio Lower Upper

117 100

119 51.8 79.3 118.9#

121 11.3 25.0 37.4#



#36

Benzene

Concen: 0.089 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

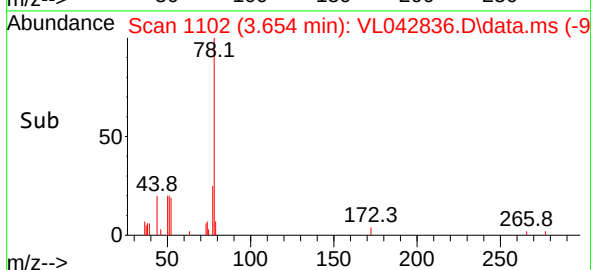
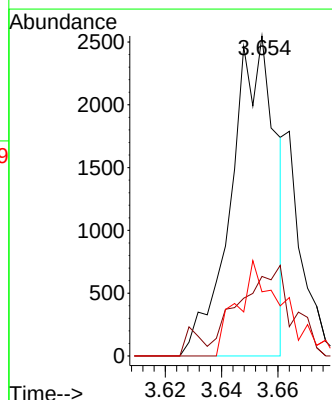
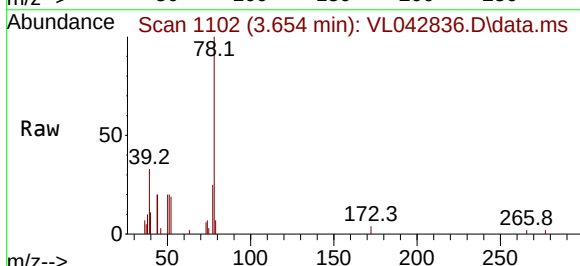
Tgt Ion: 78 Resp: 2777

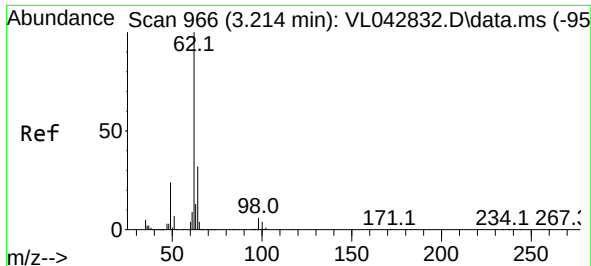
Ion Ratio Lower Upper

78 100

77 24.9 18.5 27.7

50 20.1 15.8 23.8





#37

1,2-Dichloroethane

Concen: 0.060 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

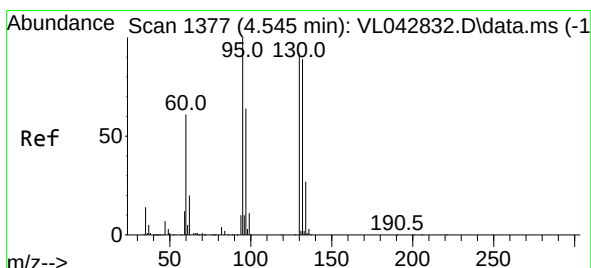
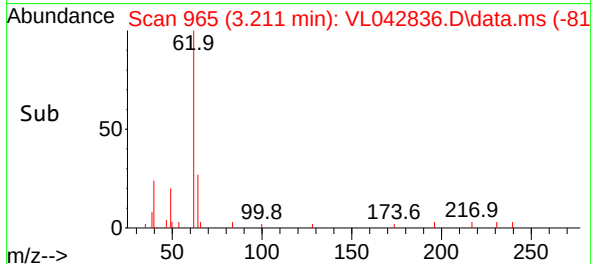
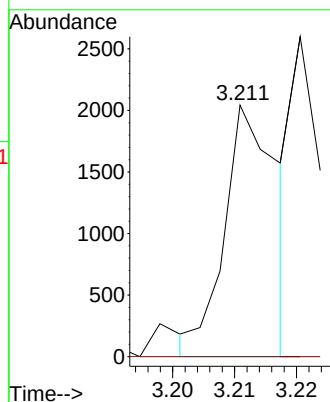
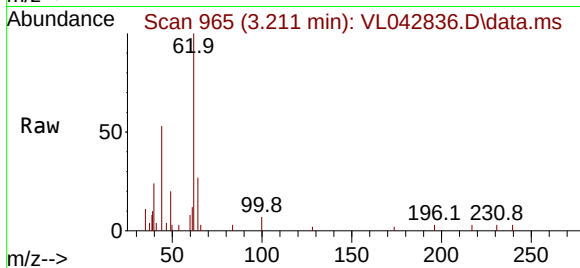
ClientSampleId :

Tgt Ion: 62 Resp: 1210

Ion Ratio Lower Upper

62 100

98 0.0 5.1 7.7#



#38

Trichloroethene

Concen: 0.061 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Tgt Ion:130 Resp: 963

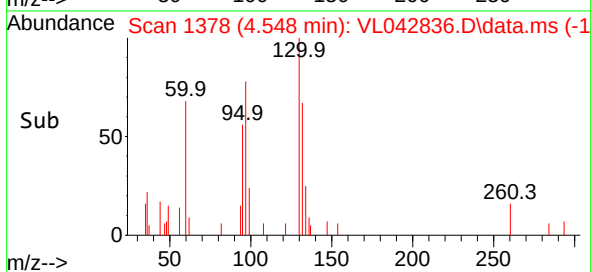
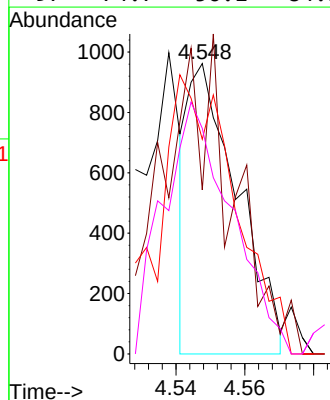
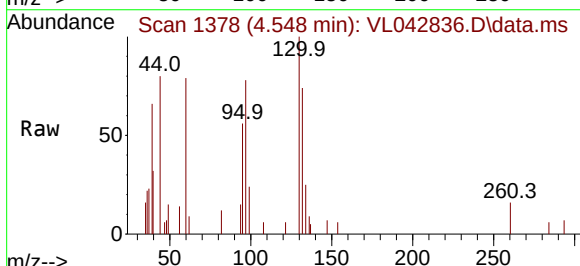
Ion Ratio Lower Upper

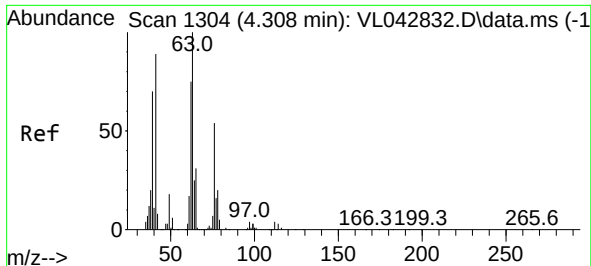
130 100

95 53.8 87.4 131.2#

132 58.9 77.8 116.6#

97 74.7 56.1 84.1





#39

1,2-Dichloropropane

Concen: 6.877 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.353 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

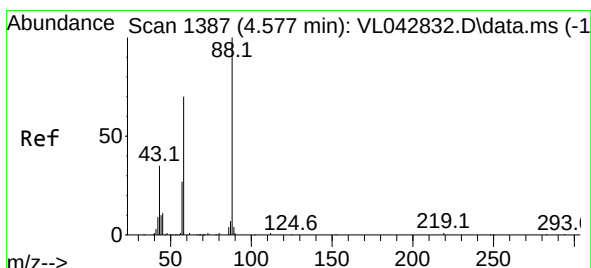
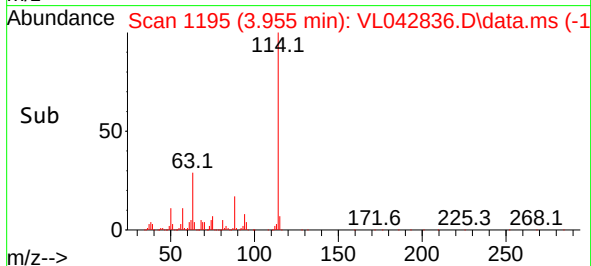
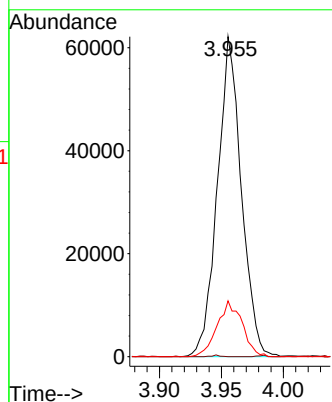
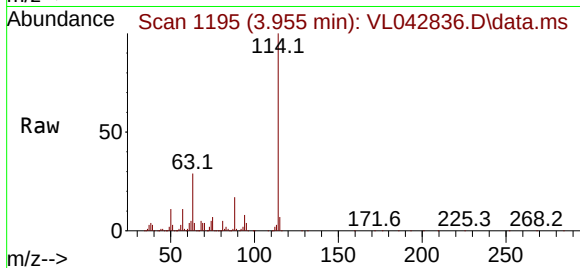
Tgt Ion: 63 Resp: 83798

Ion Ratio Lower Upper

63 100

41 0.0 71.8 107.8#

62 17.5 60.0 90.0#



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.013 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Tgt Ion: 88 Resp: 33

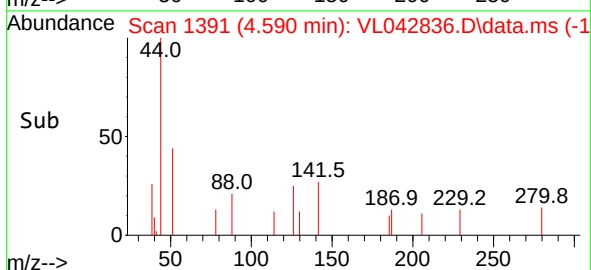
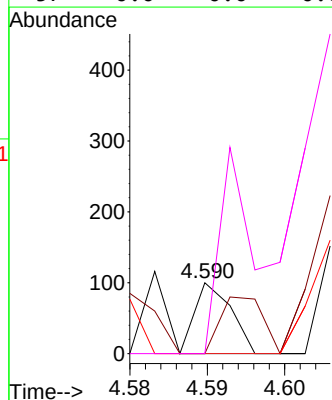
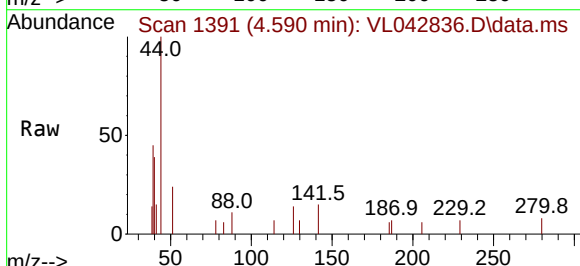
Ion Ratio Lower Upper

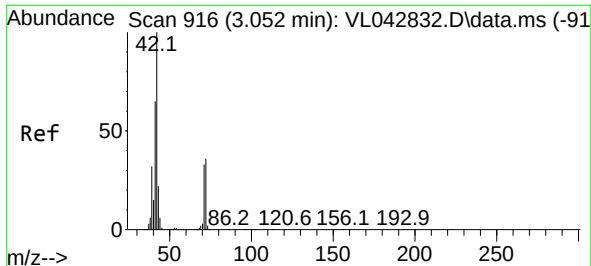
88 100

58 0.0 61.4 92.2#

43 0.0 28.6 43.0#

57 0.0 0.0 0.0

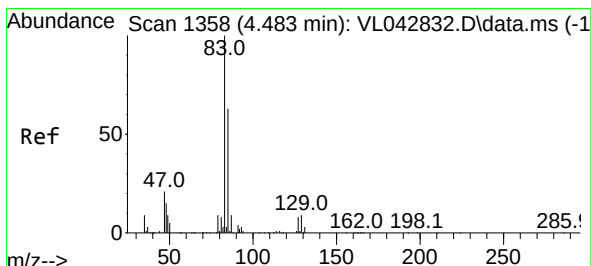
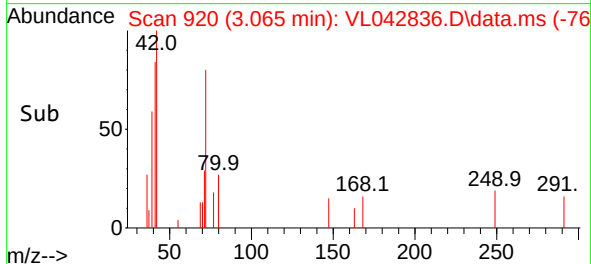
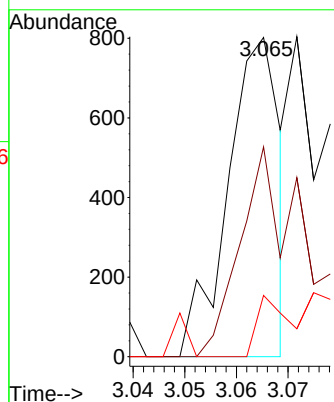
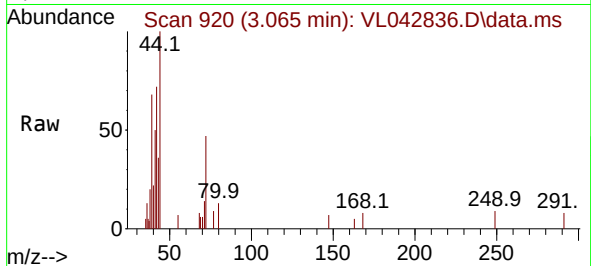




#41
Tetrahydrofuran
Concen: 0.049 ppbv
RT: 3.065 min Scan# 916
Delta R.T. 0.013 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

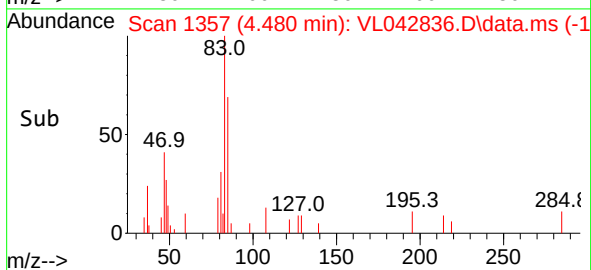
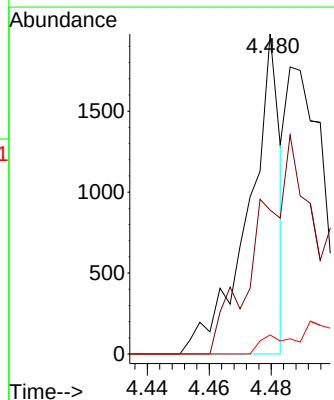
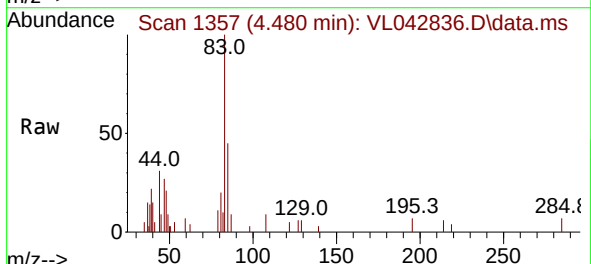
Instrument :
MSVOA_L
ClientSampleId :

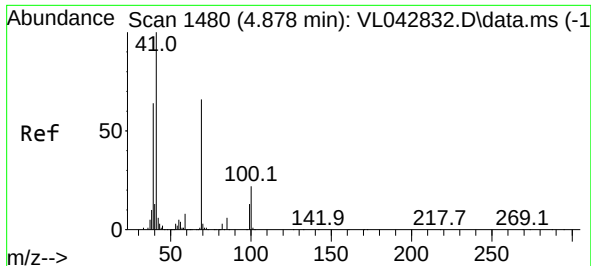
Tgt Ion: 42 Resp: 564
Ion Ratio Lower Upper
42 100
72 90.4 29.4 44.2#
71 0.0 27.4 41.0#



#42
Bromodichloromethane
Concen: 0.051 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

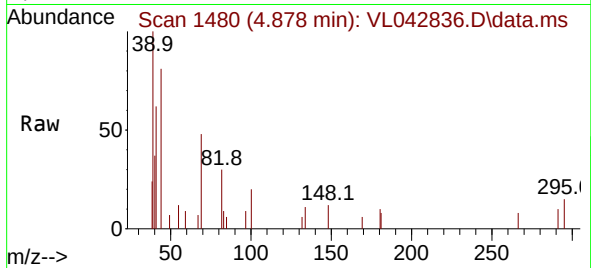
Tgt Ion: 83 Resp: 1392
Ion Ratio Lower Upper
83 100
85 45.0 50.5 75.7#
127 6.0 6.2 9.4#



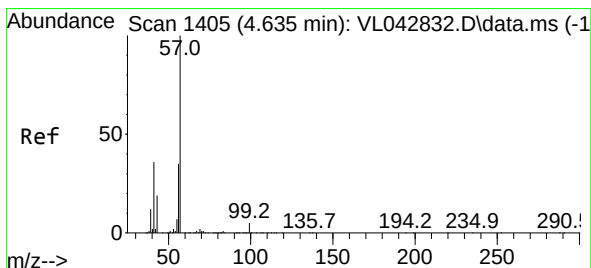
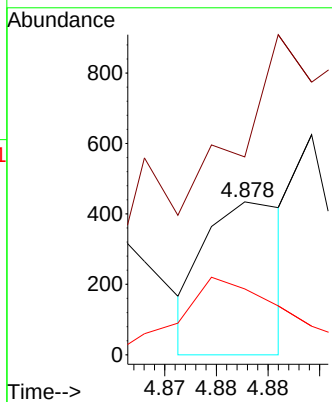
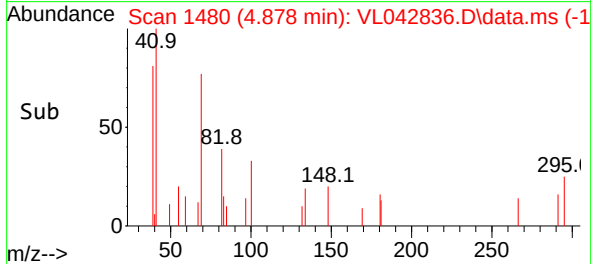


#43
Methyl Methacrylate
Concen: 0.023 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

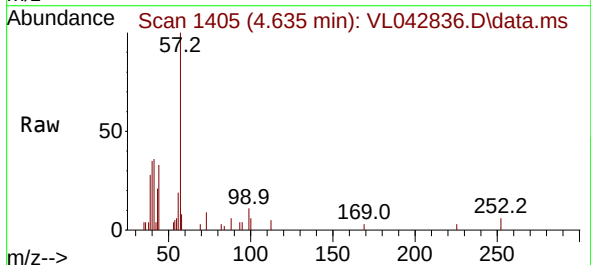
Instrument :
MSVOA_L
ClientSampleId :



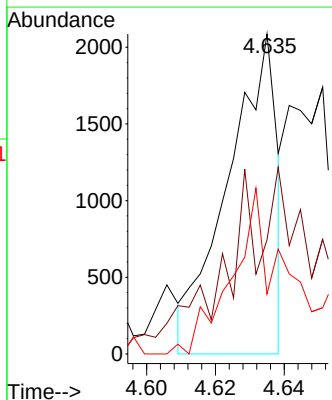
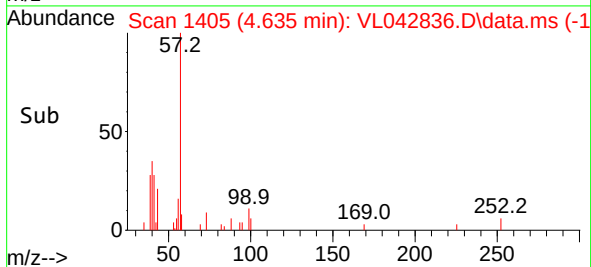
Tgt Ion: 69 Resp: 236
Ion Ratio Lower Upper
69 100
41 0.0 125.6 188.4#
100 0.0 27.4 41.2#

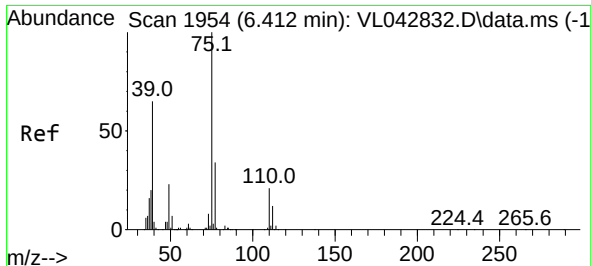


#44
2,2,4-Trimethylpentane
Concen: 0.040 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58



Tgt Ion: 57 Resp: 2062
Ion Ratio Lower Upper
57 100
41 0.0 28.7 43.1#
56 71.0 26.6 39.8#





#45

t-1,3-Dichloropropene

Concen: 0.026 ppbv

RT: 6.422 min Scan# 1954

Delta R.T. 0.010 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

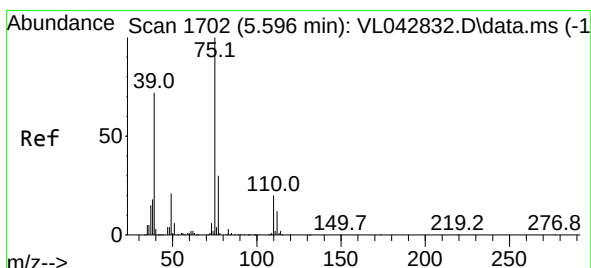
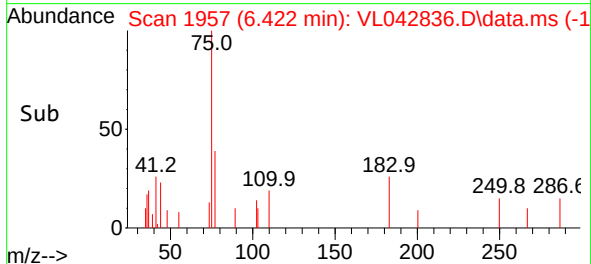
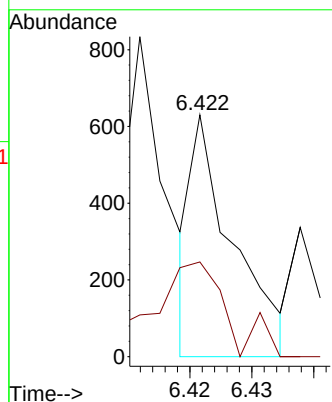
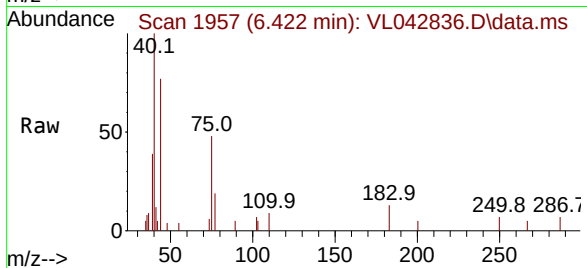
ClientSampleId :

Tgt Ion: 75 Resp: 296

Ion Ratio Lower Upper

75 100

77 39.2 26.9 40.3



#46

cis-1,3-Dichloropropene

Concen: 0.022 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

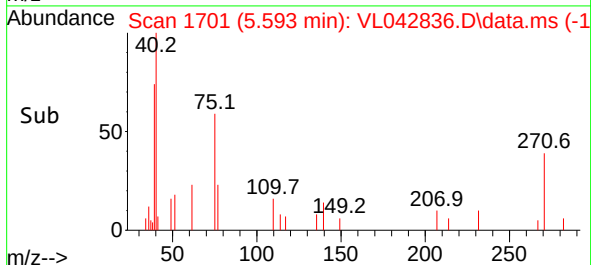
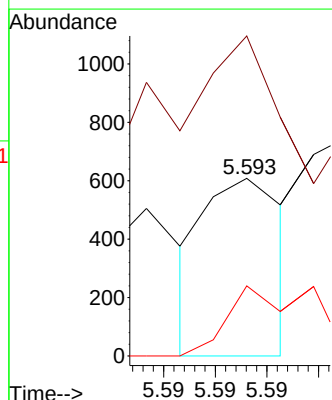
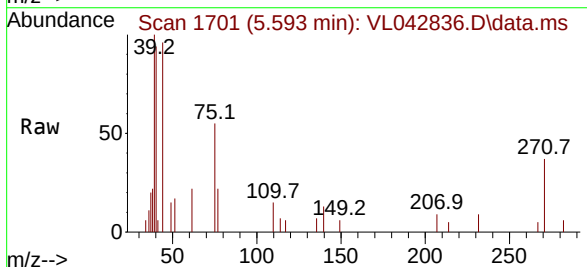
Tgt Ion: 75 Resp: 325

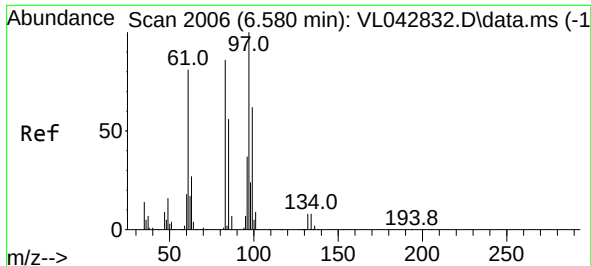
Ion Ratio Lower Upper

75 100

39 140.1 57.6 86.4#

77 103.4 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 0.033 ppbv

RT: 6.577 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 433

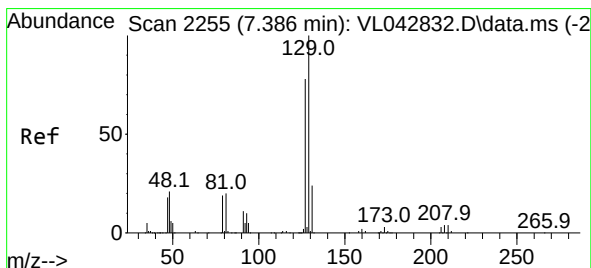
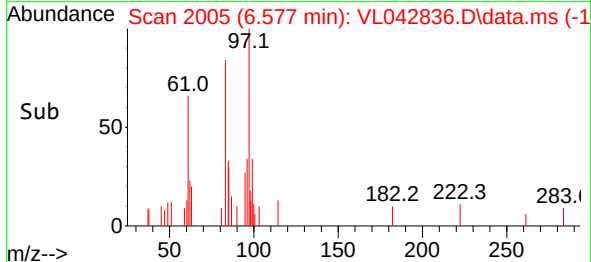
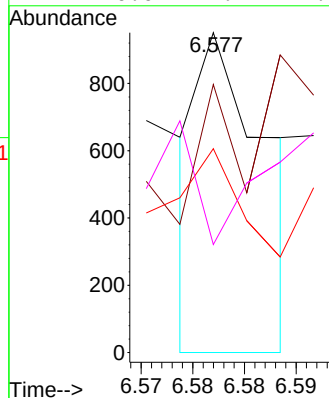
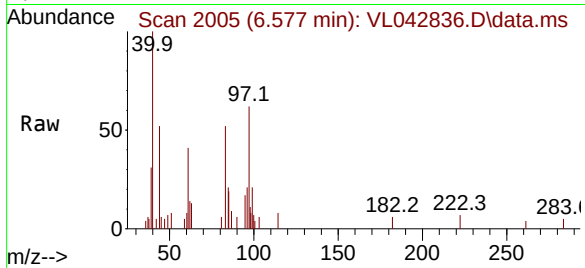
Ion Ratio Lower Upper

97 100

83 133.3 68.5 102.7#

85 103.2 44.4 66.6#

99 0.0 49.4 74.2#



#48

Dibromochloromethane

Concen: 0.046 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.003 min

Lab File: VL042836.D

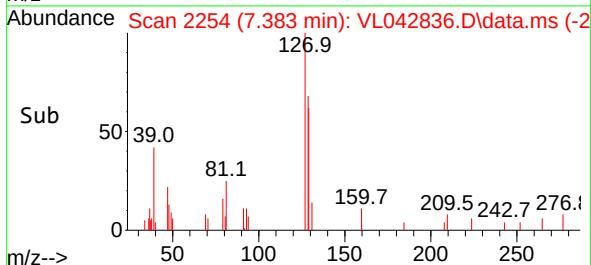
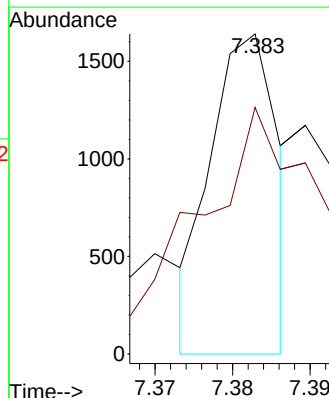
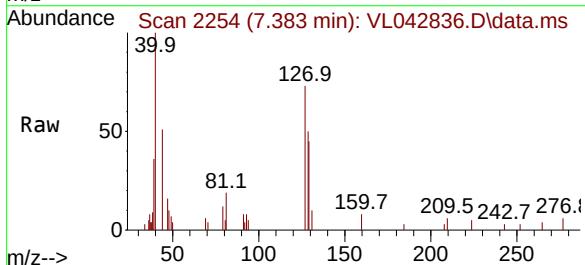
Acq: 11 Aug 2025 10:58

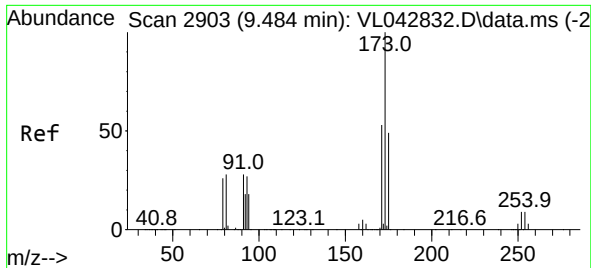
Tgt Ion: 129 Resp: 988

Ion Ratio Lower Upper

129 100

127 183.3 39.8 119.3#

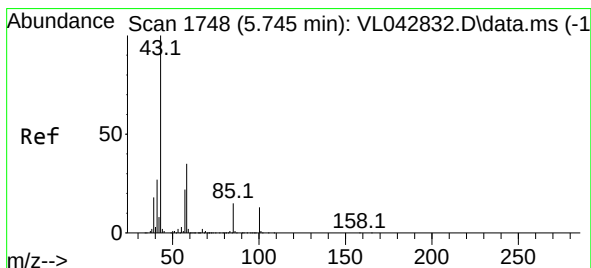
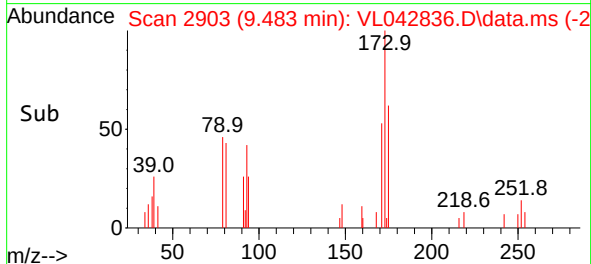
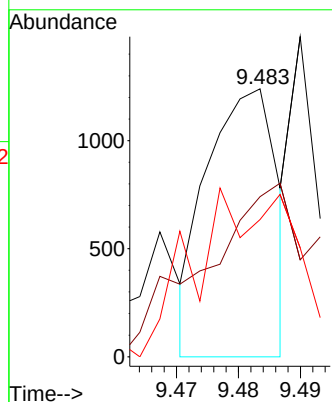
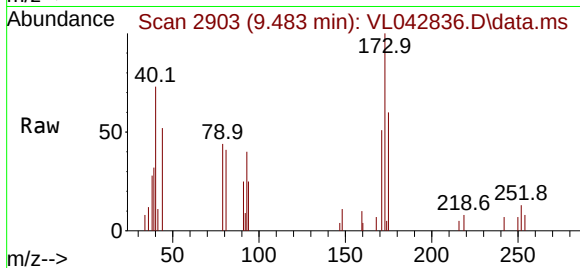




#49
Bromoform
Concen: 0.052 ppbv
RT: 9.483 min Scan# 2903
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

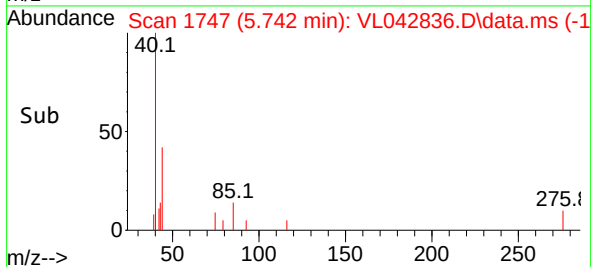
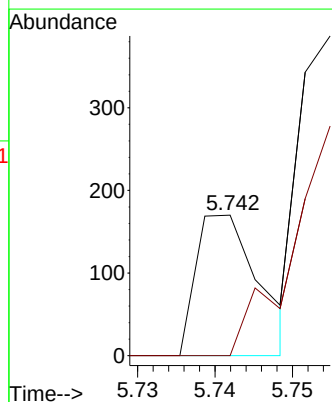
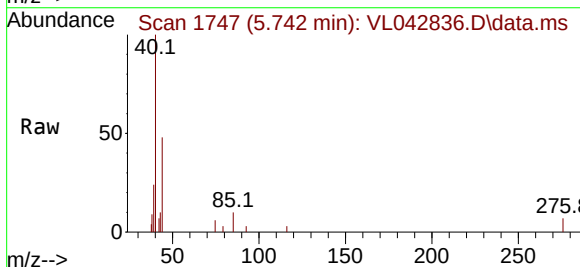
Instrument :
MSVOA_L
ClientSampleId :

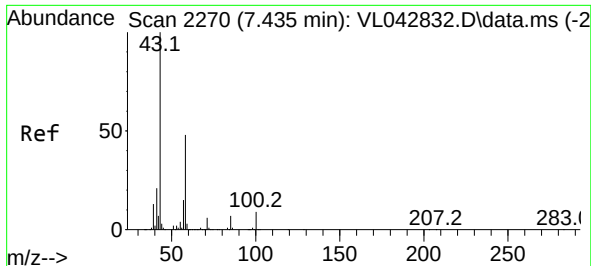
Tgt Ion:173 Resp: 979
Ion Ratio Lower Upper
173 100
175 0.0 39.4 59.0#
171 94.7 41.4 62.0#



#50
4-Methyl-2-Pentanone
Concen: 0.003 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#

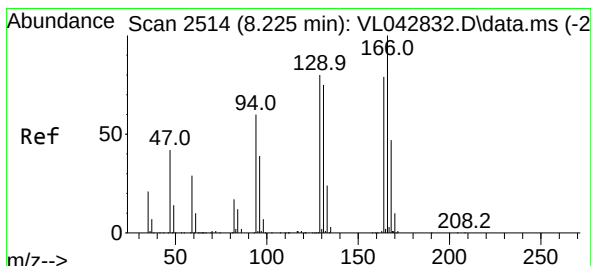
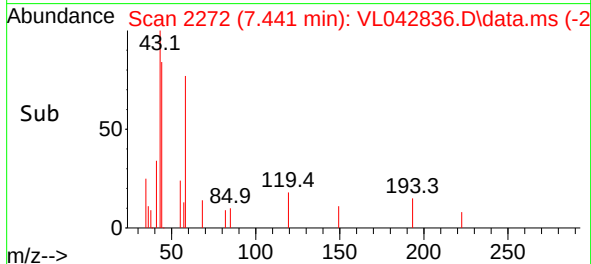
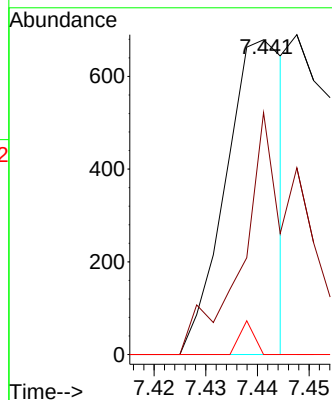
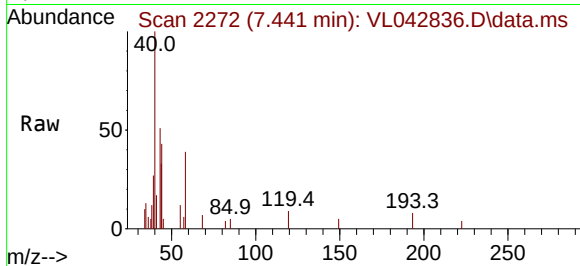




#51
2-Hexanone
Concen: 0.026 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

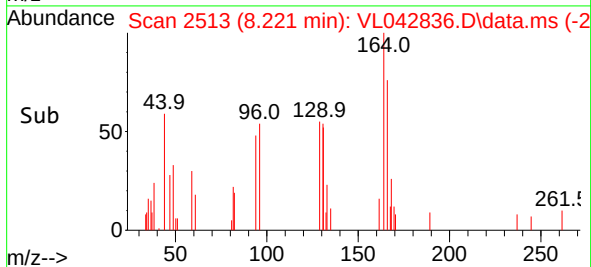
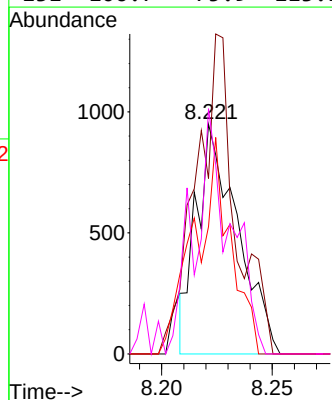
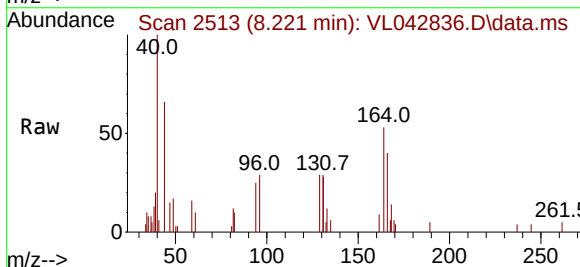
Instrument :
MSVOA_L
ClientSampleId :

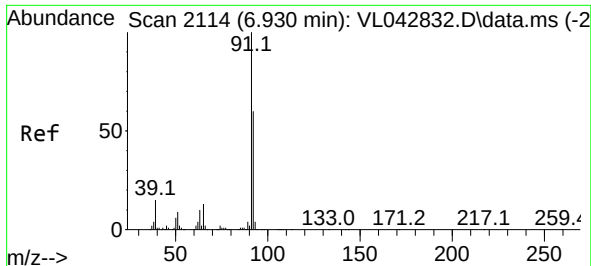
Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 103.4 36.6 54.8#
98 2.7 0.8 1.2#



#52
Tetrachloroethene
Concen: 0.103 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

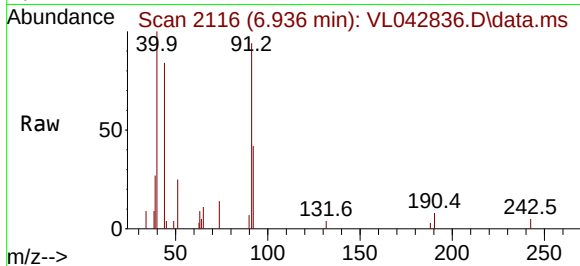
Tgt Ion: 164 Resp: 1223
Ion Ratio Lower Upper
164 100
166 76.4 101.0 151.4#
129 55.4 80.9 121.3#
131 106.7 75.9 113.9



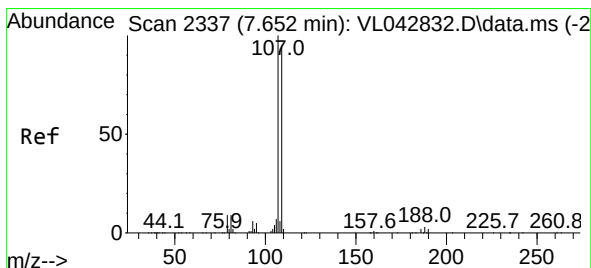
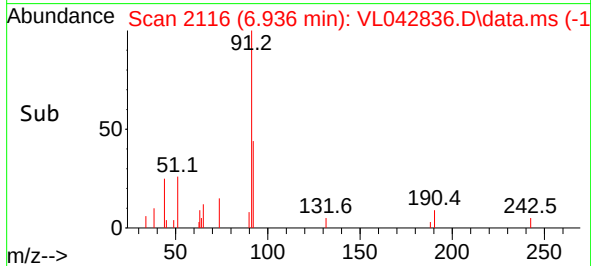
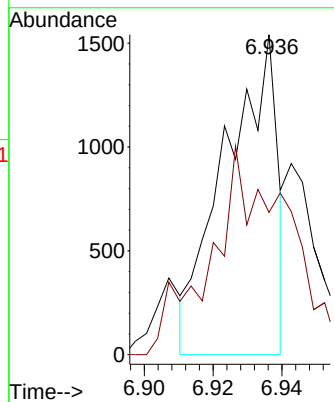


#53
Toluene
Concen: 0.056 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.006 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

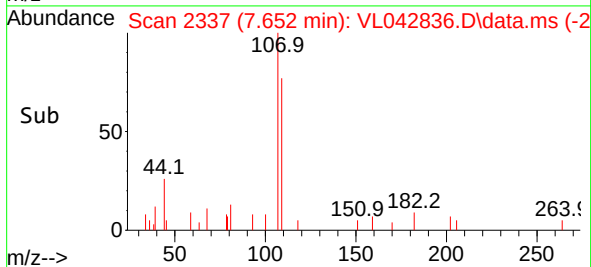
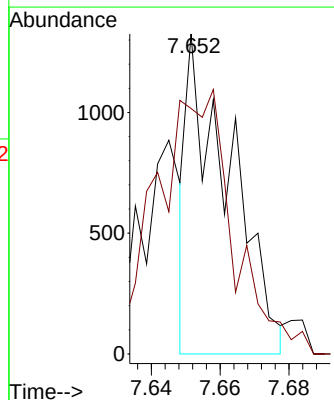
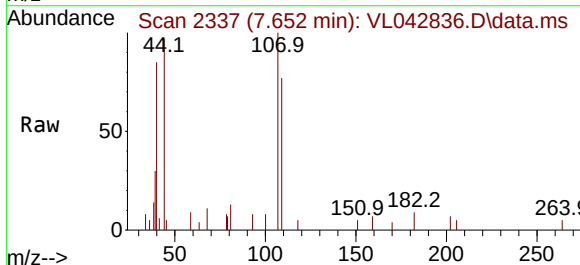


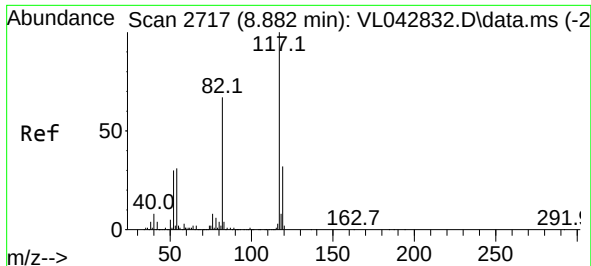
Tgt Ion: 91 Resp: 1626
Ion Ratio Lower Upper
91 100
92 94.6 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.064 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

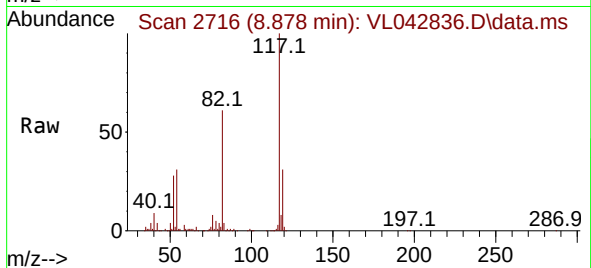
Tgt Ion: 107 Resp: 1142
Ion Ratio Lower Upper
107 100
109 73.2 75.7 113.5#



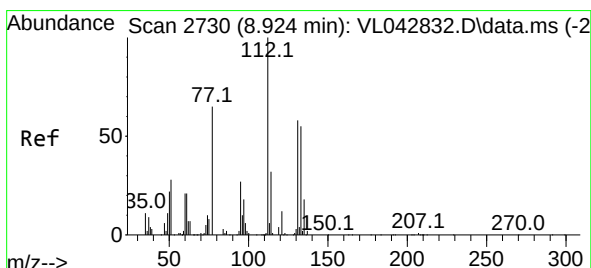
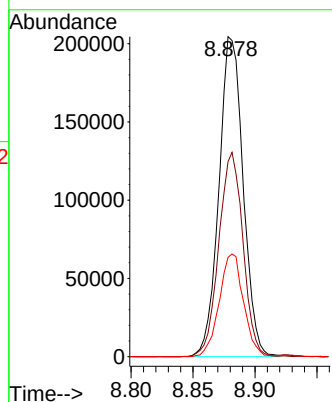
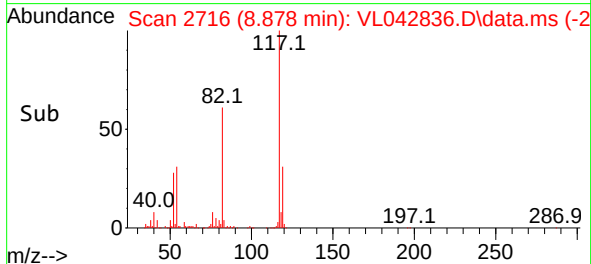


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

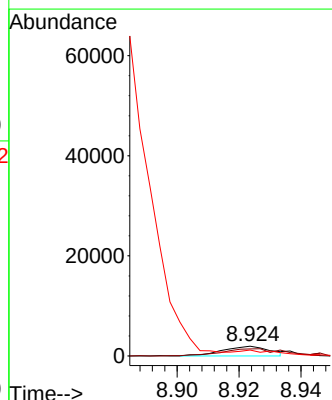
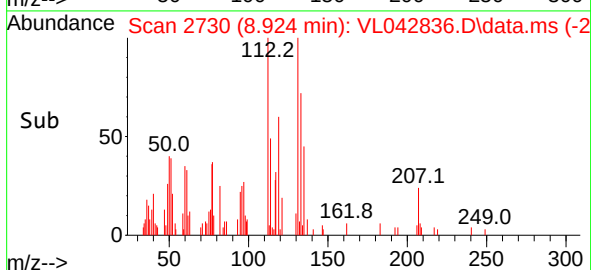
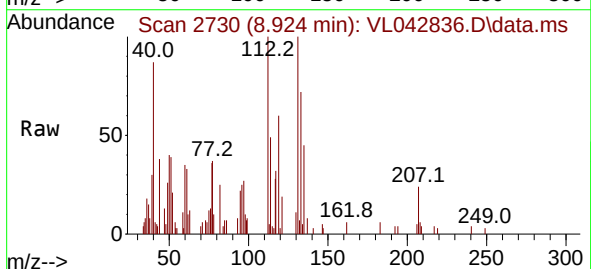


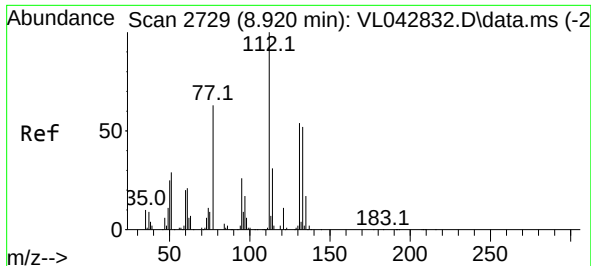
Tgt Ion:117 Resp: 278535
Ion Ratio Lower Upper
117 100
82 63.8 55.7 83.5
119 32.7 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.121 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

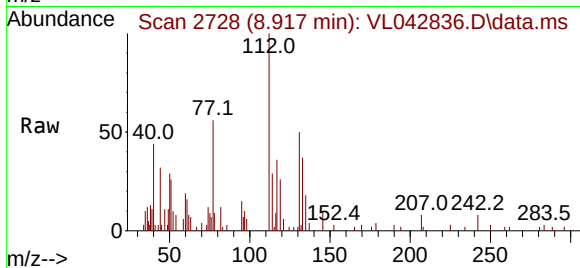
Tgt Ion:131 Resp: 2067
Ion Ratio Lower Upper
131 100
133 105.0 77.0 115.6
119 4403.6 50.5 75.7#



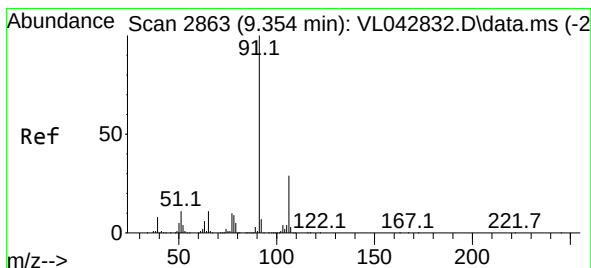
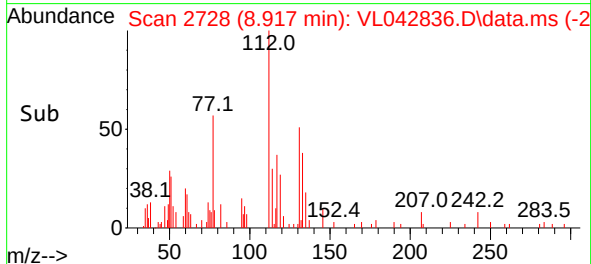
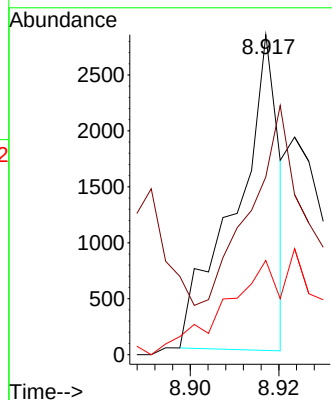


#57
Chlorobenzene
Concen: 0.065 ppbv
RT: 8.917 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

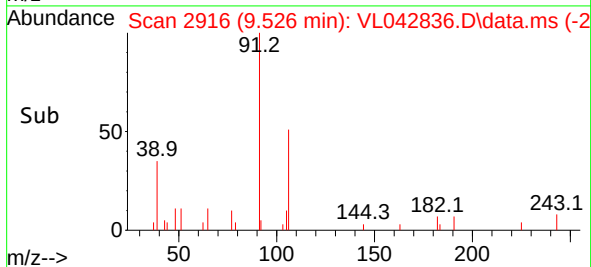
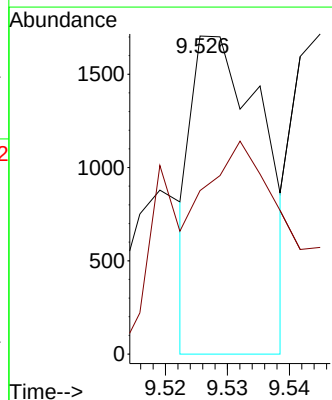
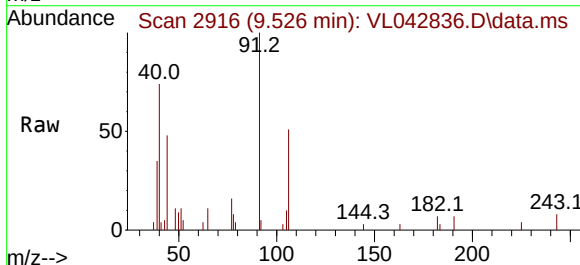


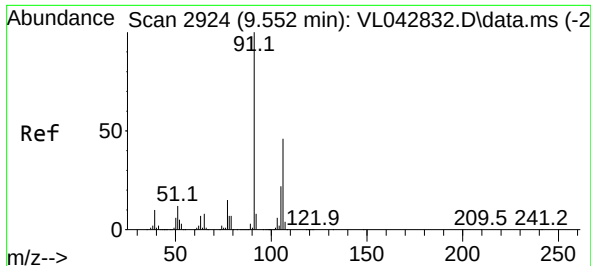
Tgt Ion:112 Resp: 1924
Ion Ratio Lower Upper
112 100
77 31.8 51.5 77.3#
114 24.3 28.3 34.5#



#58
Ethyl Benzene
Concen: 0.034 ppbv
RT: 9.526 min Scan# 2916
Delta R.T. 0.171 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 91 Resp: 1363
Ion Ratio Lower Upper
91 100
106 24.5 23.4 35.2





#59

m/p-Xylene

Concen: 0.047 ppbv

RT: 9.545 min Scan# 2924

Delta R.T. -0.007 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

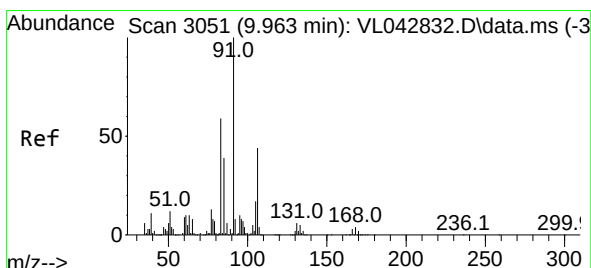
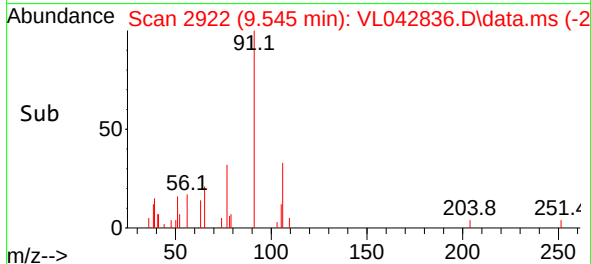
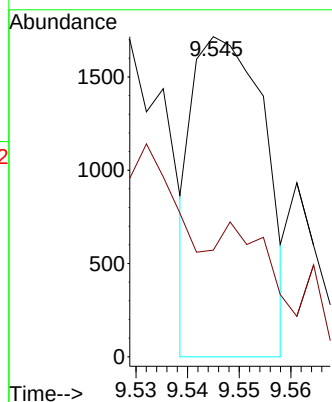
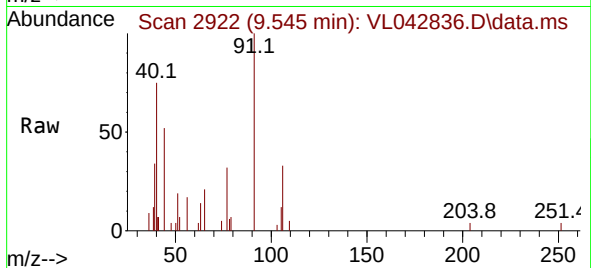
ClientSampleId :

Tgt Ion: 91 Resp: 1651

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.052 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042836.D

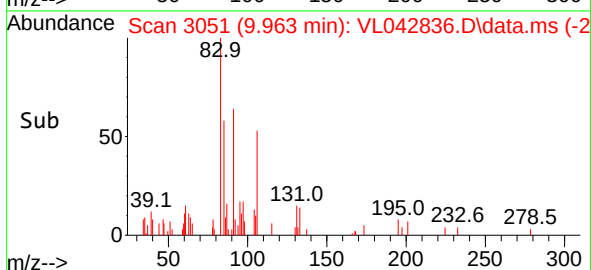
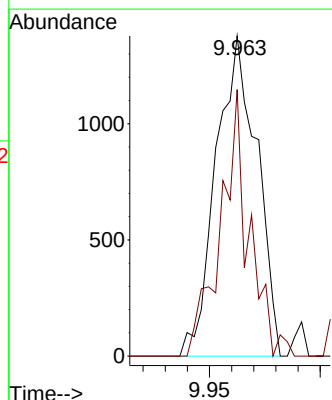
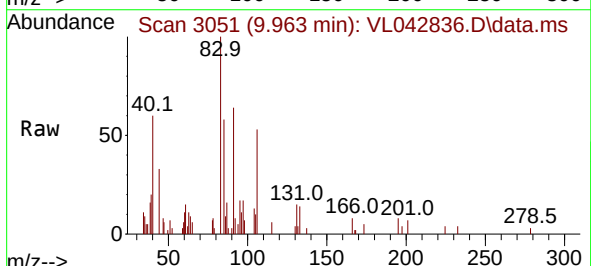
Acq: 11 Aug 2025 10:58

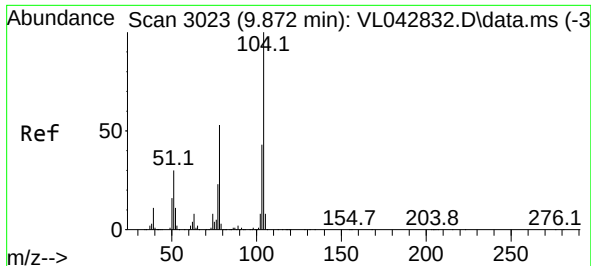
Tgt Ion: 91 Resp: 1768

Ion Ratio Lower Upper

91 100

106 57.7 21.9 65.7

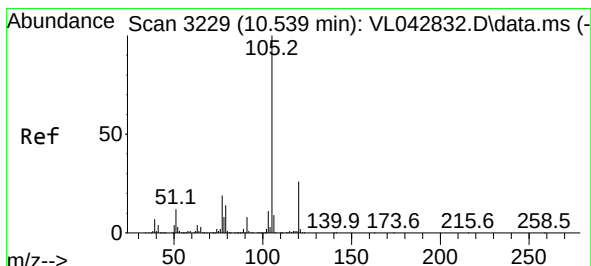
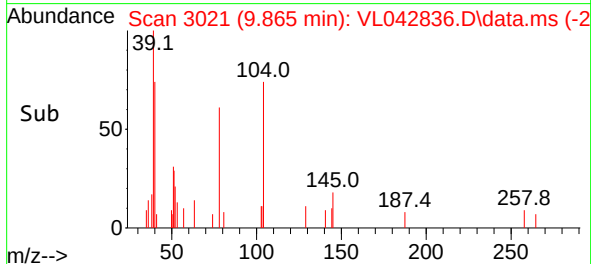
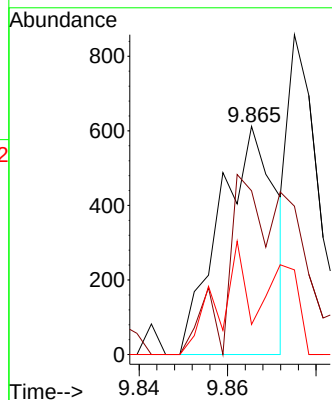
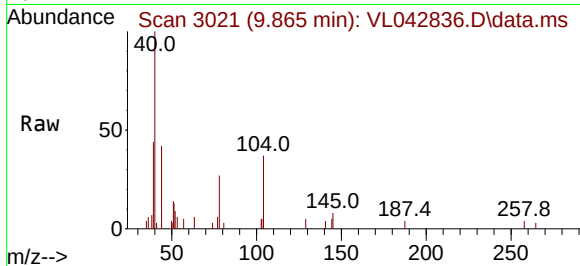




#61
Styrene
Concen: 0.043 ppbv
RT: 9.865 min Scan# 3023
Delta R.T. -0.007 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

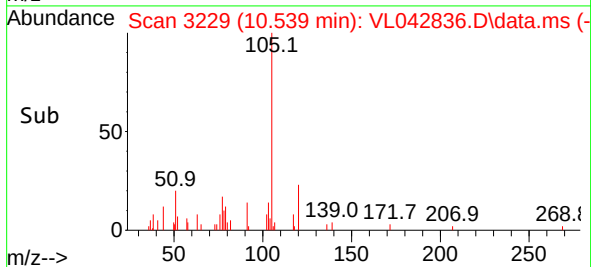
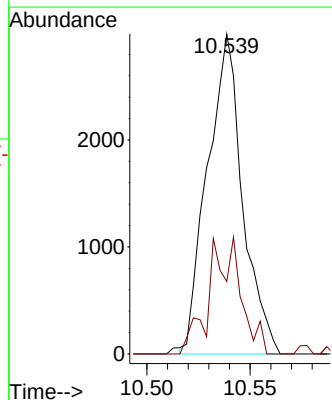
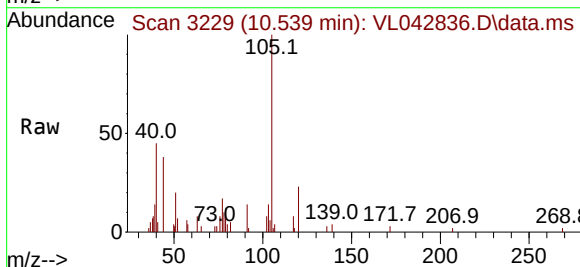
Instrument :
MSVOA_L
ClientSampleId :

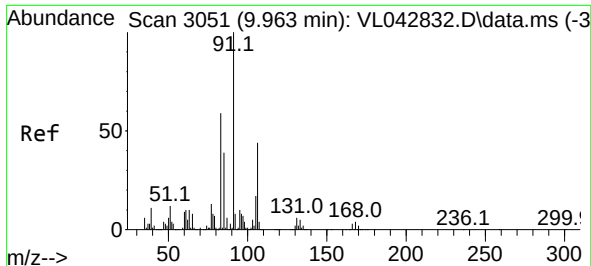
Tgt Ion:104 Resp: 543
Ion Ratio Lower Upper
104 100
78 102.4 41.4 62.2#
103 46.8 36.9 55.3



#62
Isopropylbenzene
Concen: 0.068 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion:105 Resp: 3534
Ion Ratio Lower Upper
105 100
120 32.5 20.4 30.6#

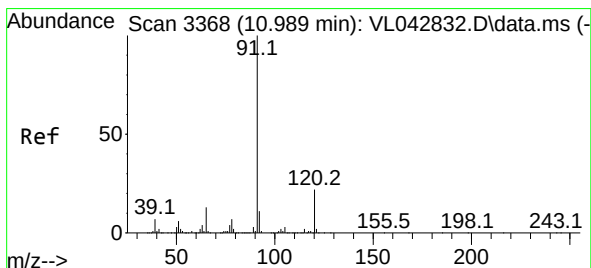
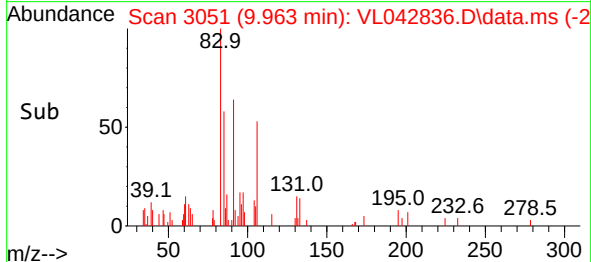
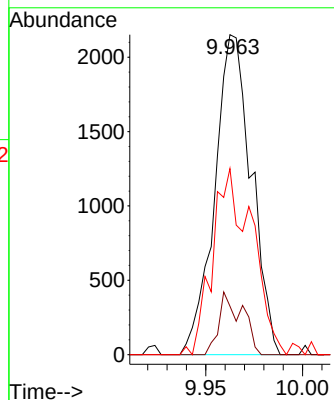
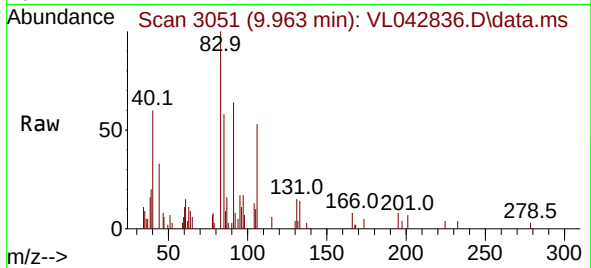




#63
1,1,2,2-Tetrachloroethane
Concen: 0.111 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

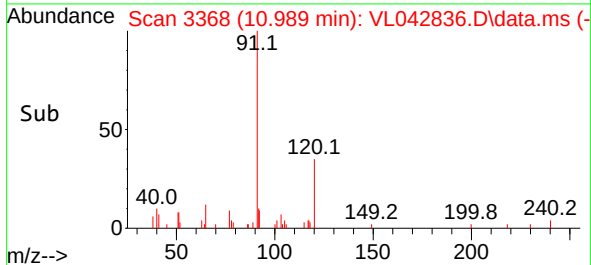
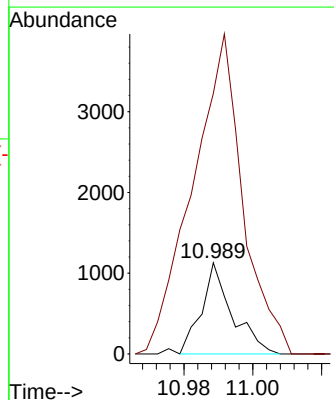
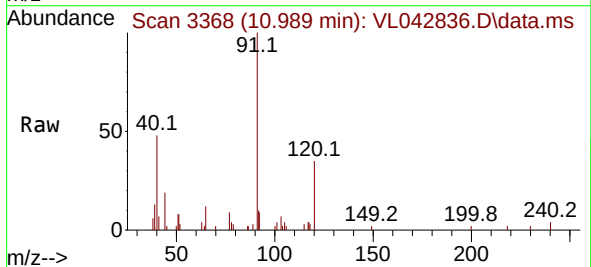
Instrument :
MSVOA_L
ClientSampleId :

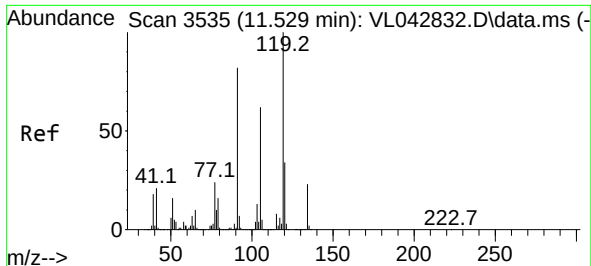
Tgt Ion: 83 Resp: 2845
Ion Ratio Lower Upper
83 100
131 12.4 4.9 14.6
85 63.5 32.6 97.8



#64
n-propylbenzene
Concen: 0.052 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 120 Resp: 699
Ion Ratio Lower Upper
120 100
91 574.2 379.2 568.8#

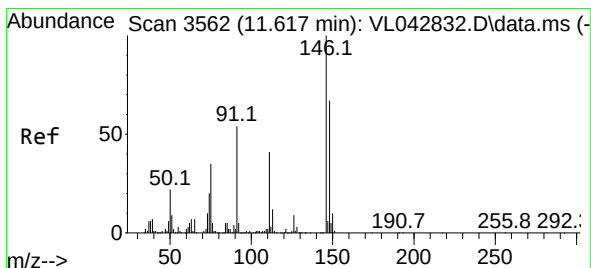
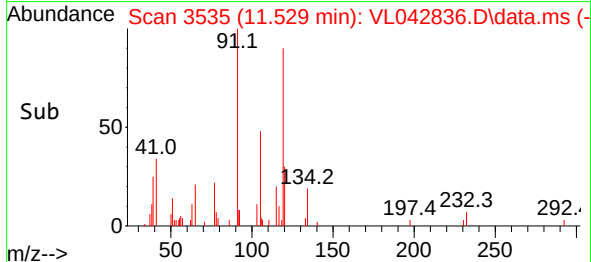
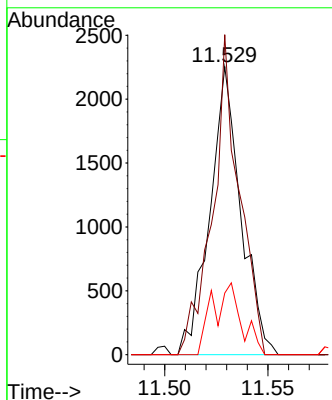
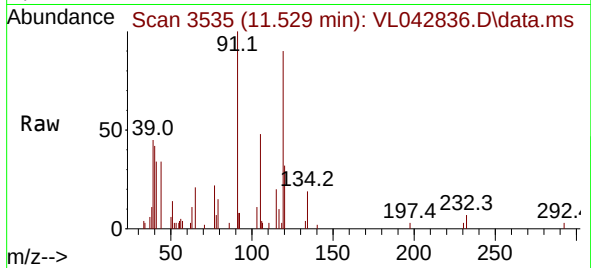




#65
tert-Butylbenzene
Concen: 0.052 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

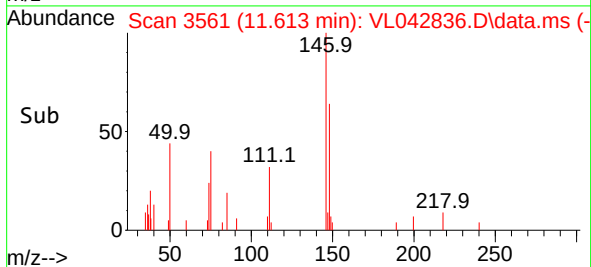
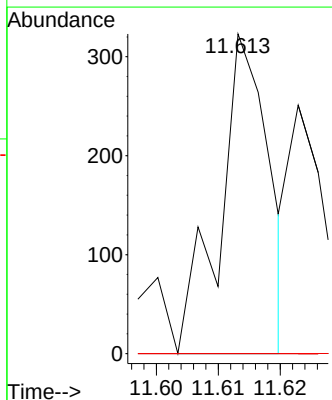
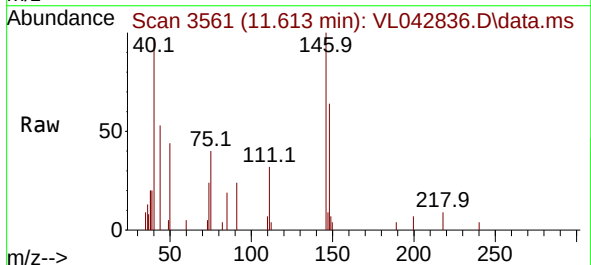
Instrument :
MSVOA_L
ClientSampleId :

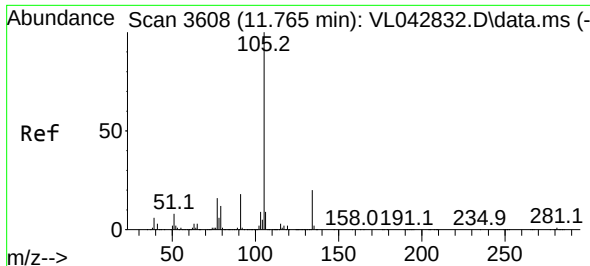
Tgt Ion:	119	Resp:	2366
Ion	Ratio	Lower	Upper
119	100		
91	94.9	64.6	96.8
134	23.2	17.1	25.7



#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion:	91	Resp:	179
Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.6	20.4#
128	0.0	4.7	7.1#

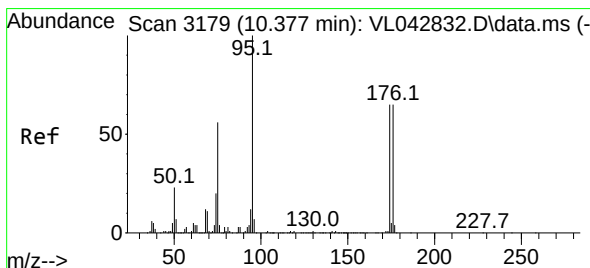
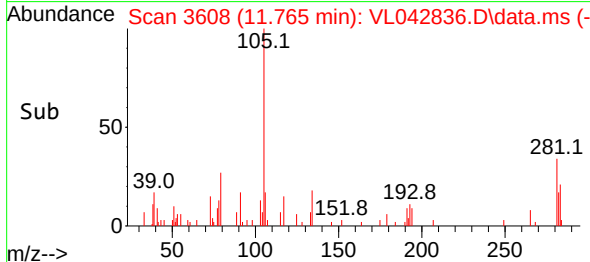
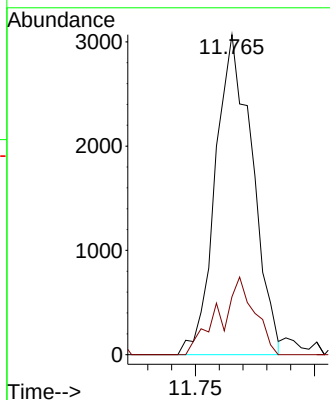
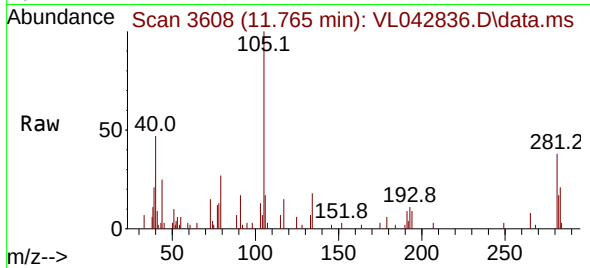




#67
 sec-Butylbenzene
 Concen: 0.049 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

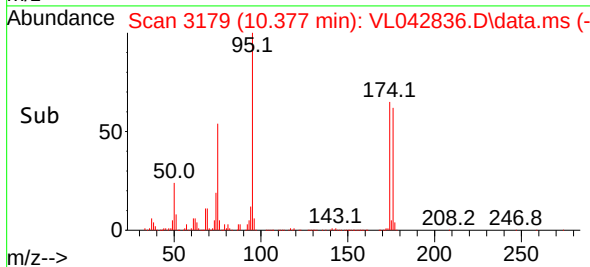
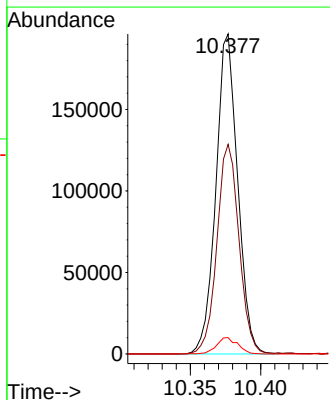
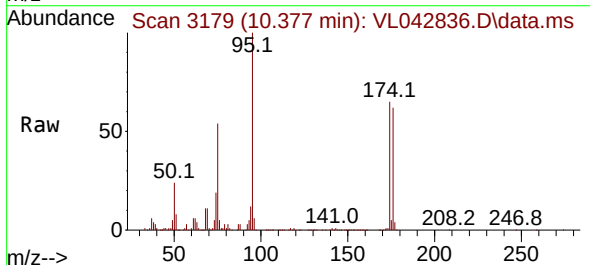
Instrument :
 MSVOA_L
 ClientSampleId :

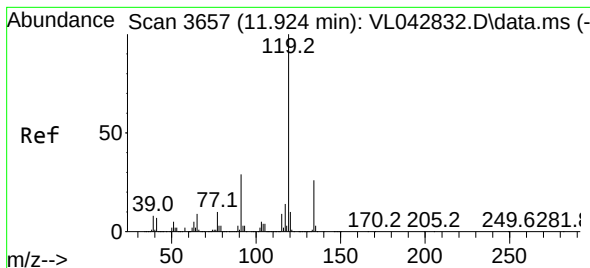
Tgt Ion:105 Resp: 3306
 Ion Ratio Lower Upper
 105 100
 134 23.2 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.432 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Tgt Ion: 95 Resp: 211721
 Ion Ratio Lower Upper
 95 100
 174 66.6 52.6 78.8
 175 5.0 3.9 5.9





#69

p-Isopropyltoluene

Concen: 0.048 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. -0.000 min

Lab File: VL042836.D

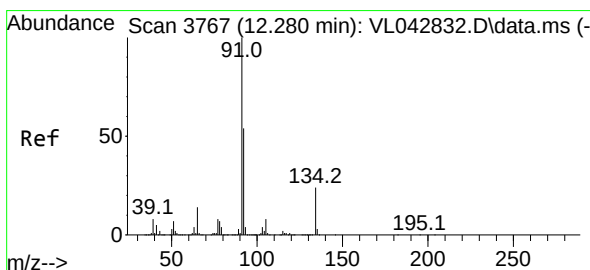
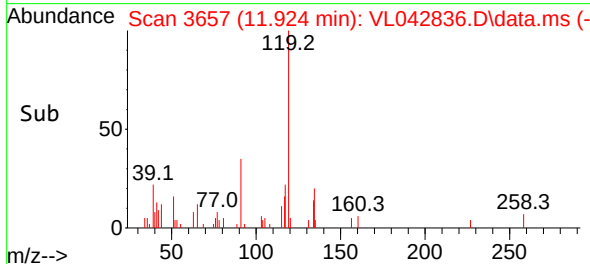
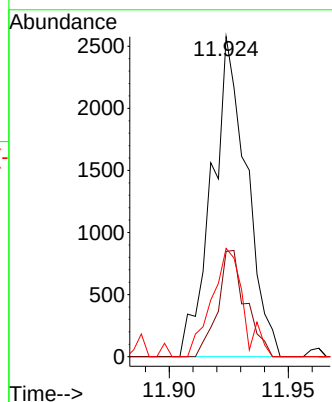
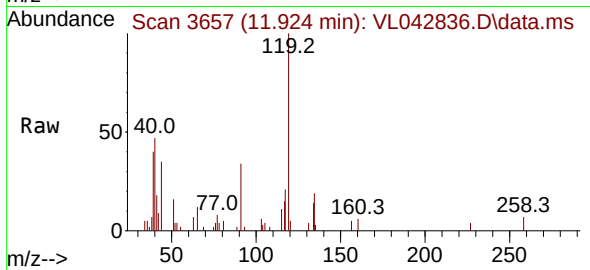
Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	119	Resp:	2610
Ion Ratio	Lower	Upper	
119	100		
134	26.7	20.5	30.7
91	33.1	23.2	34.8



#70

n-Butylbenzene

Concen: 0.039 ppbv

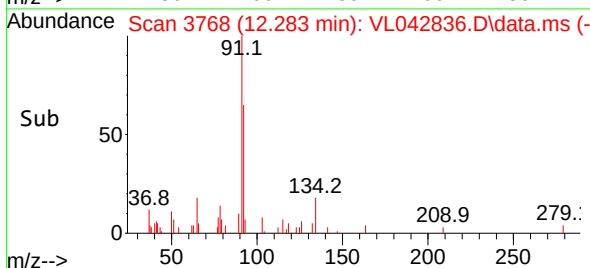
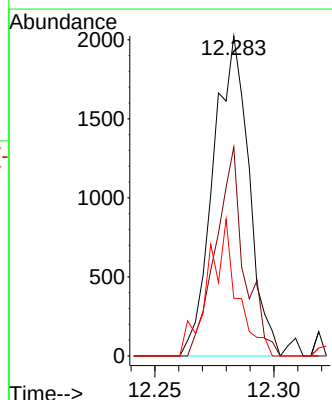
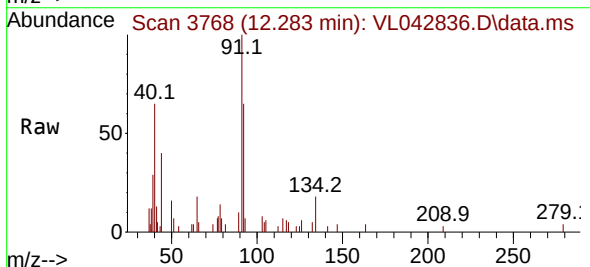
RT: 12.283 min Scan# 3768

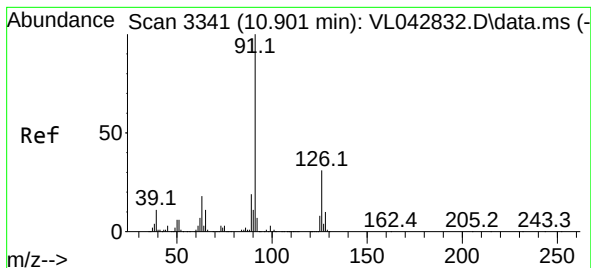
Delta R.T. 0.003 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Tgt Ion:	91	Resp:	2106
Ion Ratio	Lower	Upper	
91	100		
92	52.8	43.2	64.8
134	34.9	19.0	28.6

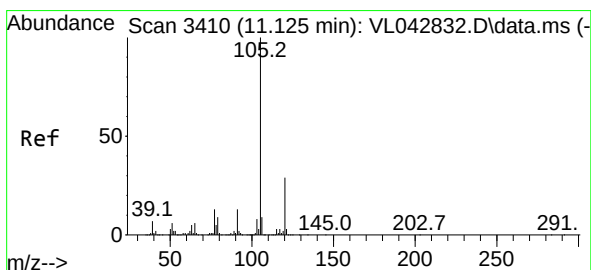
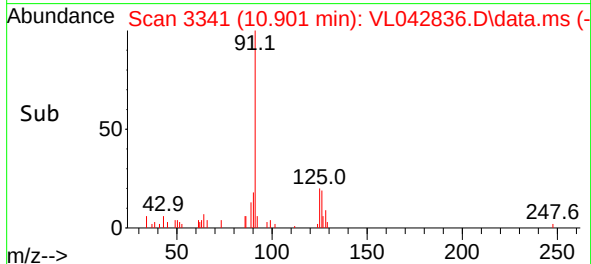
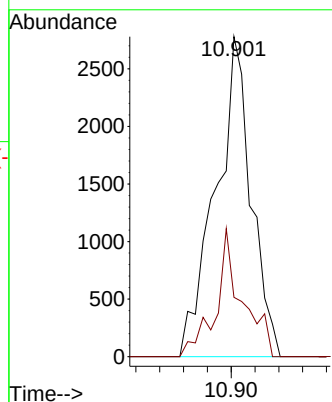
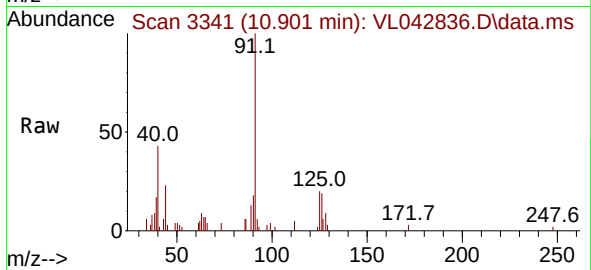




#71
2-Chlorotoluene
Concen: 0.076 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

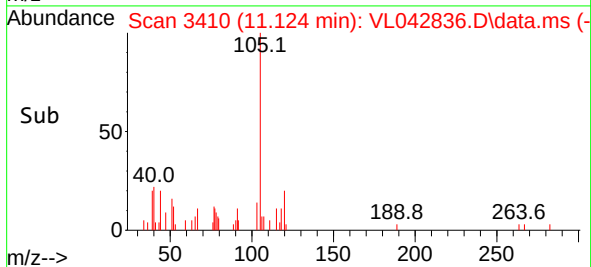
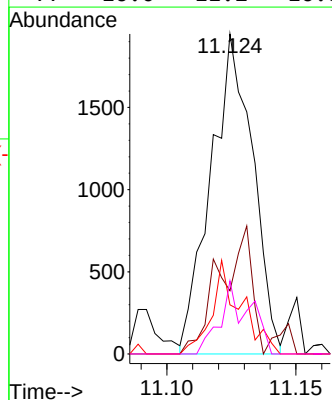
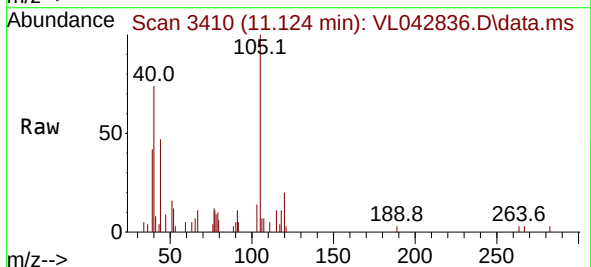
Instrument :
MSVOA_L
ClientSampleId :

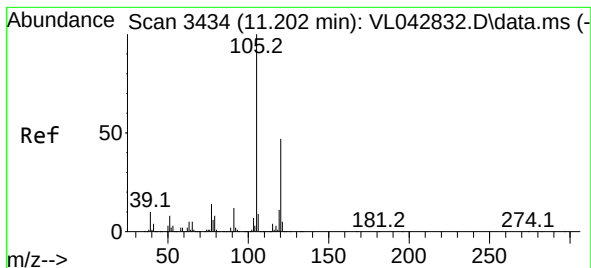
Tgt Ion: 91 Resp: 2877
Ion Ratio Lower Upper
91 100
126 29.6 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.054 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion: 105 Resp: 2200
Ion Ratio Lower Upper
105 100
120 34.0 23.9 35.9
91 20.4 10.7 16.1#
77 16.0 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 0.054 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

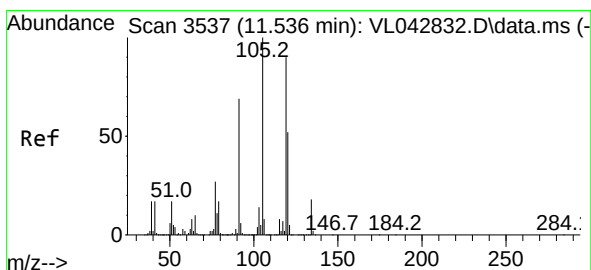
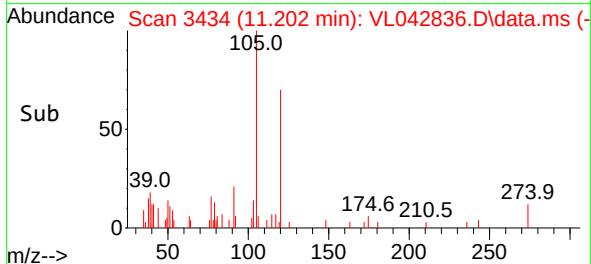
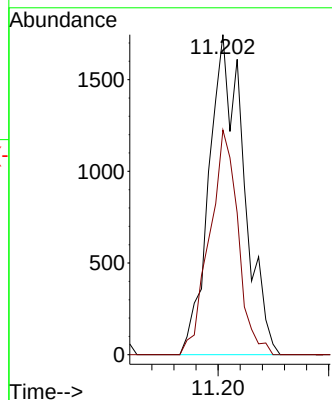
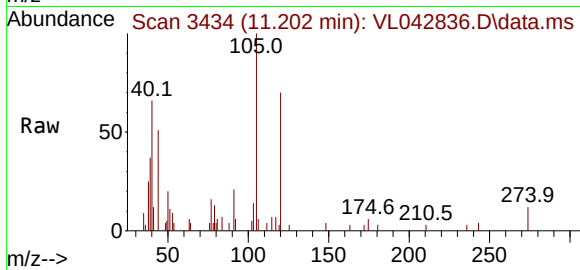
ClientSampleId :

Tgt Ion:105 Resp: 1905

Ion Ratio Lower Upper

105 100

120 70.2 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.055 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Tgt Ion:105 Resp: 2281

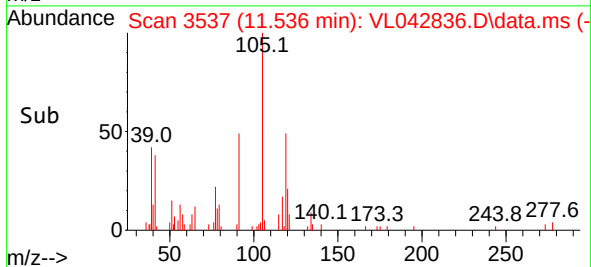
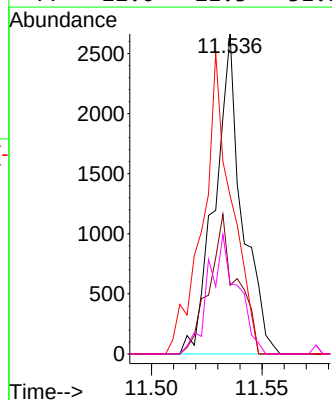
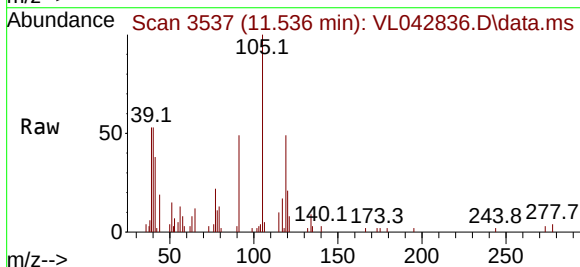
Ion Ratio Lower Upper

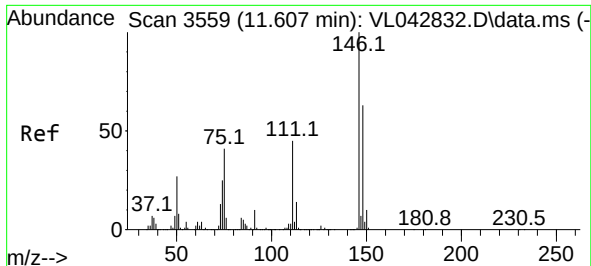
105 100

120 21.4 41.9 62.9#

91 49.4 55.5 83.3#

77 22.0 21.3 31.9

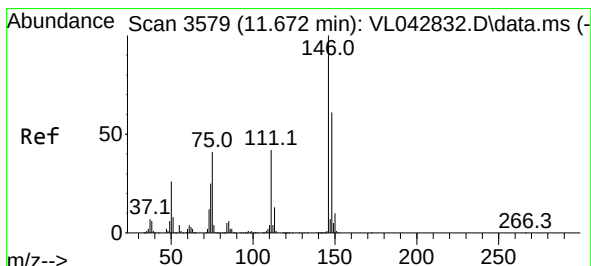
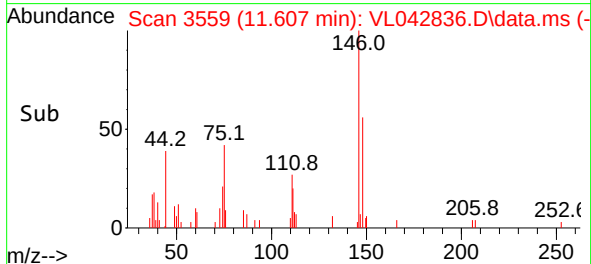
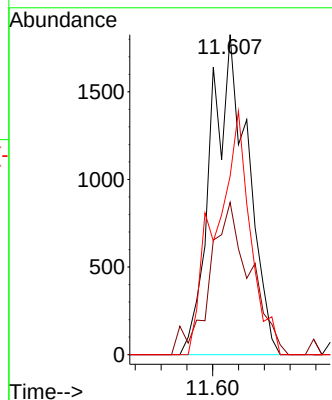
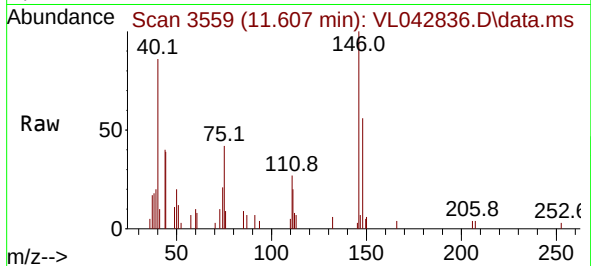




#75
1,3-Dichlorobenzene
Concen: 0.061 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

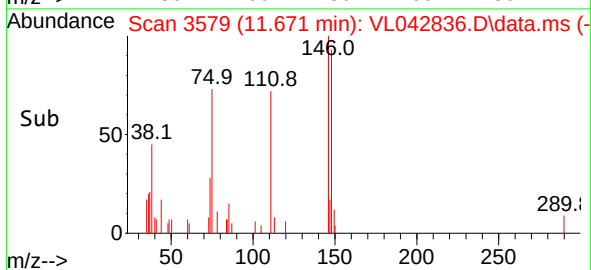
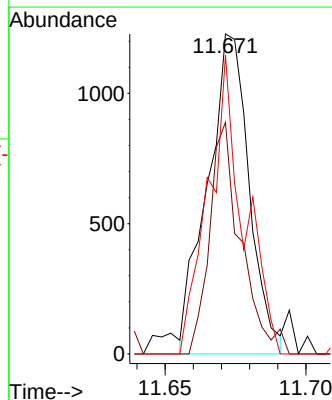
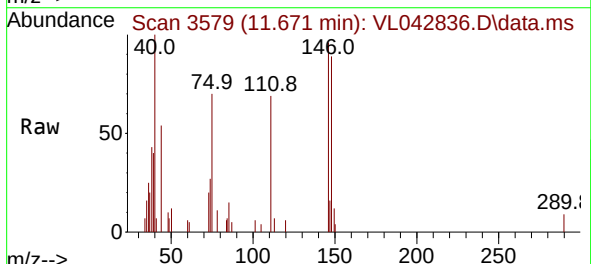
Instrument :
MSVOA_L
ClientSampleId :

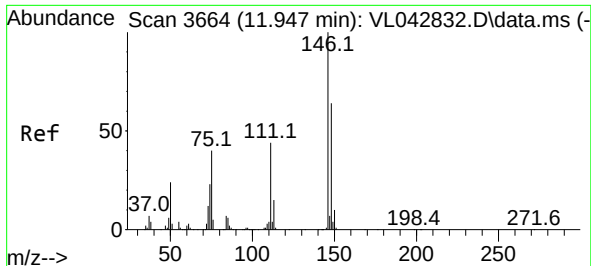
Tgt Ion:146 Resp: 1817
Ion Ratio Lower Upper
146 100
111 51.8 22.4 67.0
148 71.3 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 0.045 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

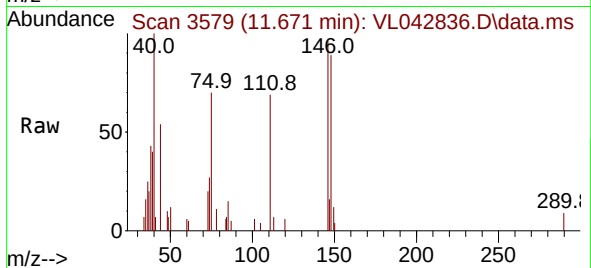
Tgt Ion:146 Resp: 1264
Ion Ratio Lower Upper
146 100
111 54.0 21.1 63.1
148 79.4 31.3 93.8



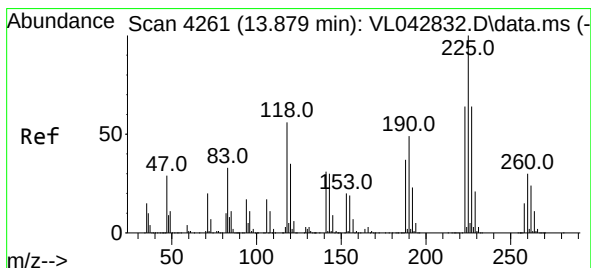
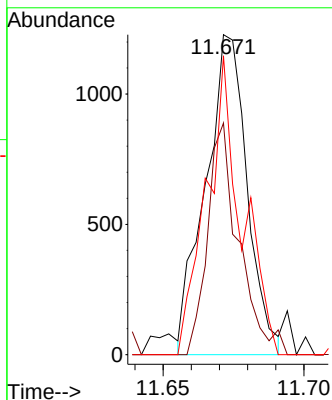
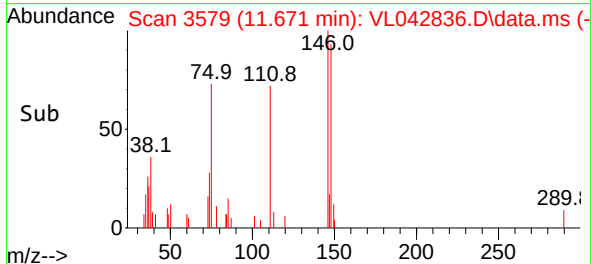


#77
 1,2-Dichlorobenzene
 Concen: 0.042 ppbv
 RT: 11.671 min Scan# 31
 Delta R.T. -0.275 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

Instrument :
 MSVOA_L
 ClientSampleId :

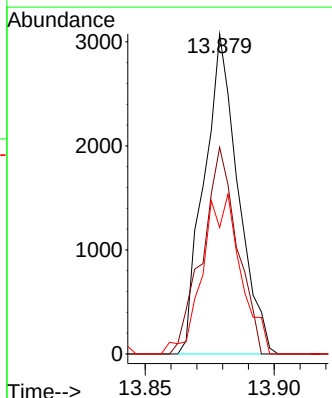
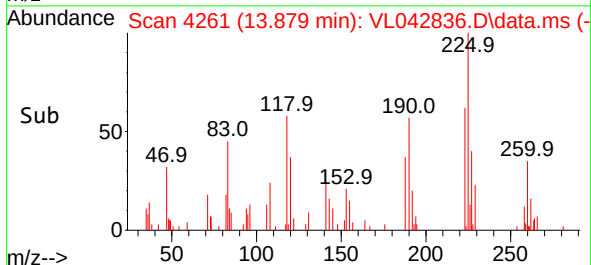
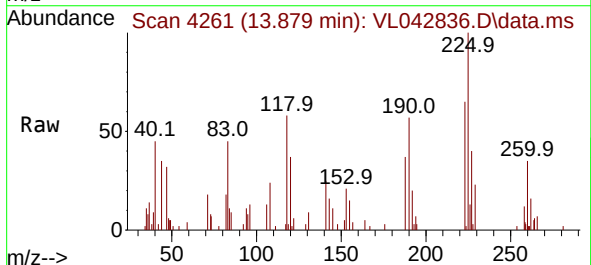


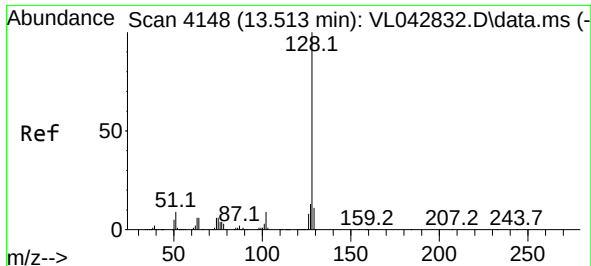
Tgt Ion:146 Resp: 1264
 Ion Ratio Lower Upper
 146 100
 111 54.0 23.2 69.6
 148 79.4 31.6 95.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.109 ppbv
 RT: 13.879 min Scan# 4261
 Delta R.T. -0.000 min
 Lab File: VL042836.D
 Acq: 11 Aug 2025 10:58

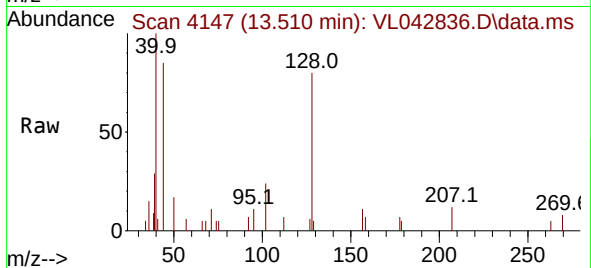
Tgt Ion:225 Resp: 2815
 Ion Ratio Lower Upper
 225 100
 223 66.3 51.1 76.7
 227 56.5 50.9 76.3



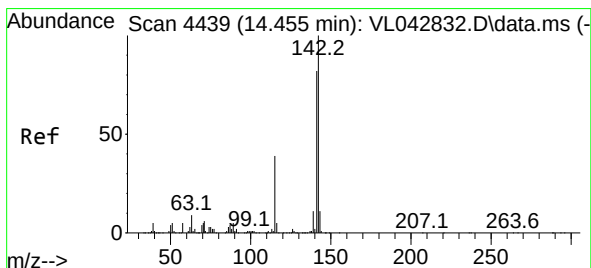
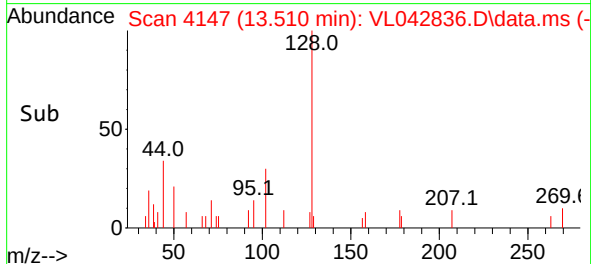
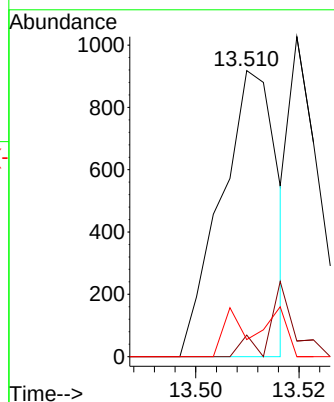


#79
Naphthalene
Concen: 0.023 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Instrument :
MSVOA_L
ClientSampleId :

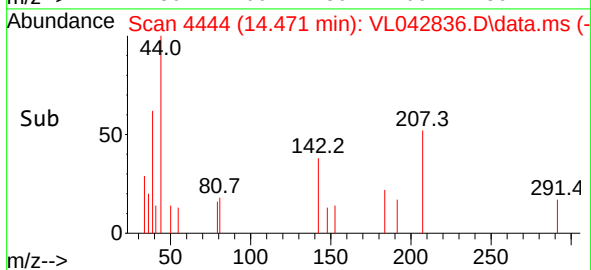
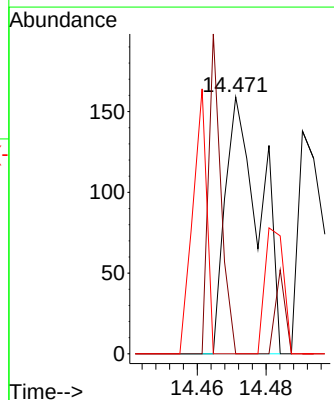
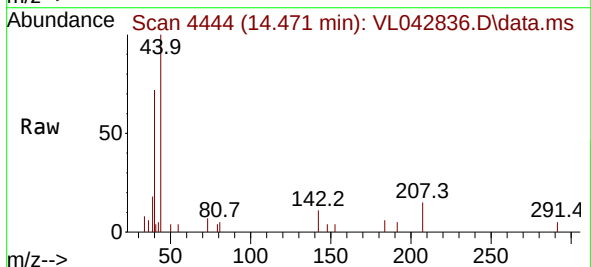


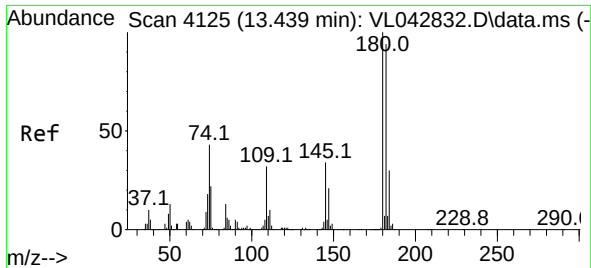
Tgt Ion:128 Resp: 693
Ion Ratio Lower Upper
128 100
127 7.5 10.6 15.8#
129 6.0 8.9 13.3#



#80
Naphthalene,2-methyl-
Concen: 0.012 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042836.D
Acq: 11 Aug 2025 10:58

Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
141 54.1 66.4 99.6#
115 26.1 30.8 46.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.019 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

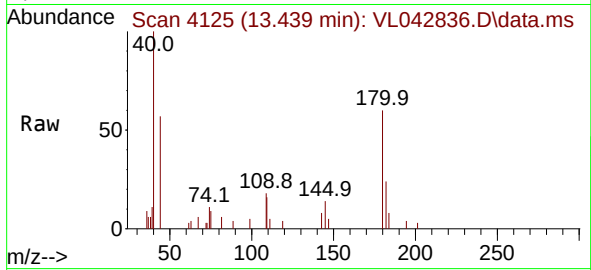
Lab File: VL042836.D

Acq: 11 Aug 2025 10:58

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 372

Ion Ratio Lower Upper

180 100

182 200.8 76.4 114.6#

184 81.7 24.0 36.0#

