

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042852.D
 Acq On : 13 Aug 2025 15:10
 Operator : SY/MD
 Sample : Q2727-01DL2 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 14 02:46:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	118347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	364683	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	318426	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	237748	9.956	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	1.535	50	272	0.039	ppbv #	42
5) Vinyl Chloride	1.706	62	717	0.104	ppbv #	1
6) Bromomethane	1.680	94	97	0.035	ppbv #	4
7) Chloroethane	1.706	64	18906	7.023	ppbv	98
9) Propene	1.496	41	392	0.047	ppbv #	1
10) Heptane	4.995	43	106371	4.797	ppbv	100
13) Ethanol	1.434	45	55564	73.395	ppbv	90
15) Acetone	1.839	43	3623	0.231	ppbv	95
16) 1,3-Butadiene	1.622	39	261	0.037	ppbv #	1
17) tert-Butyl alcohol	2.036	59	4697	0.253	ppbv #	92
18) 1,1-Dichloroethene	2.040	96	58452	9.748	ppbv	93
19) Isopropyl Alcohol	1.434	45	55564	5.942	ppbv #	35
20) Methylene Chloride	2.065	84	5071	0.773	ppbv	94
21) Allyl Chloride	2.101	41	264	0.024	ppbv #	36
22) trans-1,2-Dichloroethene	2.040	96	58452	8.426	ppbv	88
23) Vinyl Acetate	2.457	43	1279	0.059	ppbv #	1
24) 1,1-Dichloroethane	2.036	63	37474	2.705	ppbv #	1
26) Hexane	2.833	57	4475	0.256	ppbv #	46
29) Chloroform	2.855	83	2632	0.105	ppbv	95
34) 2-Butanone	2.570	43	1000	0.041	ppbv #	88
36) Benzene	3.664	78	407528	11.670	ppbv	99
37) 1,2-Dichloroethane	3.224	62	1715	0.094	ppbv	97
39) 1,2-Dichloropropane	3.969	63	89996	7.056	ppbv #	25
42) Bromodichloromethane	4.499	83	165750	6.097	ppbv	98
44) 2,2,4-Trimethylpentane	4.995	57	54925	0.927	ppbv #	1
57) Chlorobenzene	8.934	112	271358	8.963	ppbv	98
58) Ethyl Benzene	9.542	91	337995	6.015	ppbv #	68
59) m/p-Xylene	9.542	91	337995	7.674	ppbv #	100
60) o-Xylene	9.973	91	493555	11.140	ppbv	99
62) Isopropylbenzene	10.545	105	2023	0.031	ppbv	95
64) n-propylbenzene	11.212	120	148648	8.998	ppbv #	1
66) Benzyl Chloride	11.542	91	802	0.111	ppbv #	67
72) 4-Ethyltoluene	11.135	105	3687	0.069	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.212	105	331987	7.269	ppbv	98
74) 1,2,4-Trimethylbenzene	11.546	105	5792	0.116	ppbv #	62
75) 1,3-Dichlorobenzene	11.957	146	167278	5.869	ppbv	98
76) 1,4-Dichlorobenzene	11.957	146	167278	5.803	ppbv	97
77) 1,2-Dichlorobenzene	11.957	146	167278	5.994	ppbv	99
79) Naphthalene	13.523	128	1942	0.043	ppbv #	86
80) Naphthalene,2-methyl-	14.472	142	1025	0.060	ppbv	87
81) 1,2,4-Trichlorobenzene	13.452	180	952	0.042	ppbv #	87

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Instrument :
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ClientSampleId :

Quant Time: Aug 14 02:46:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Aug 14 02:12:54 2025
Response via : Initial Calibration

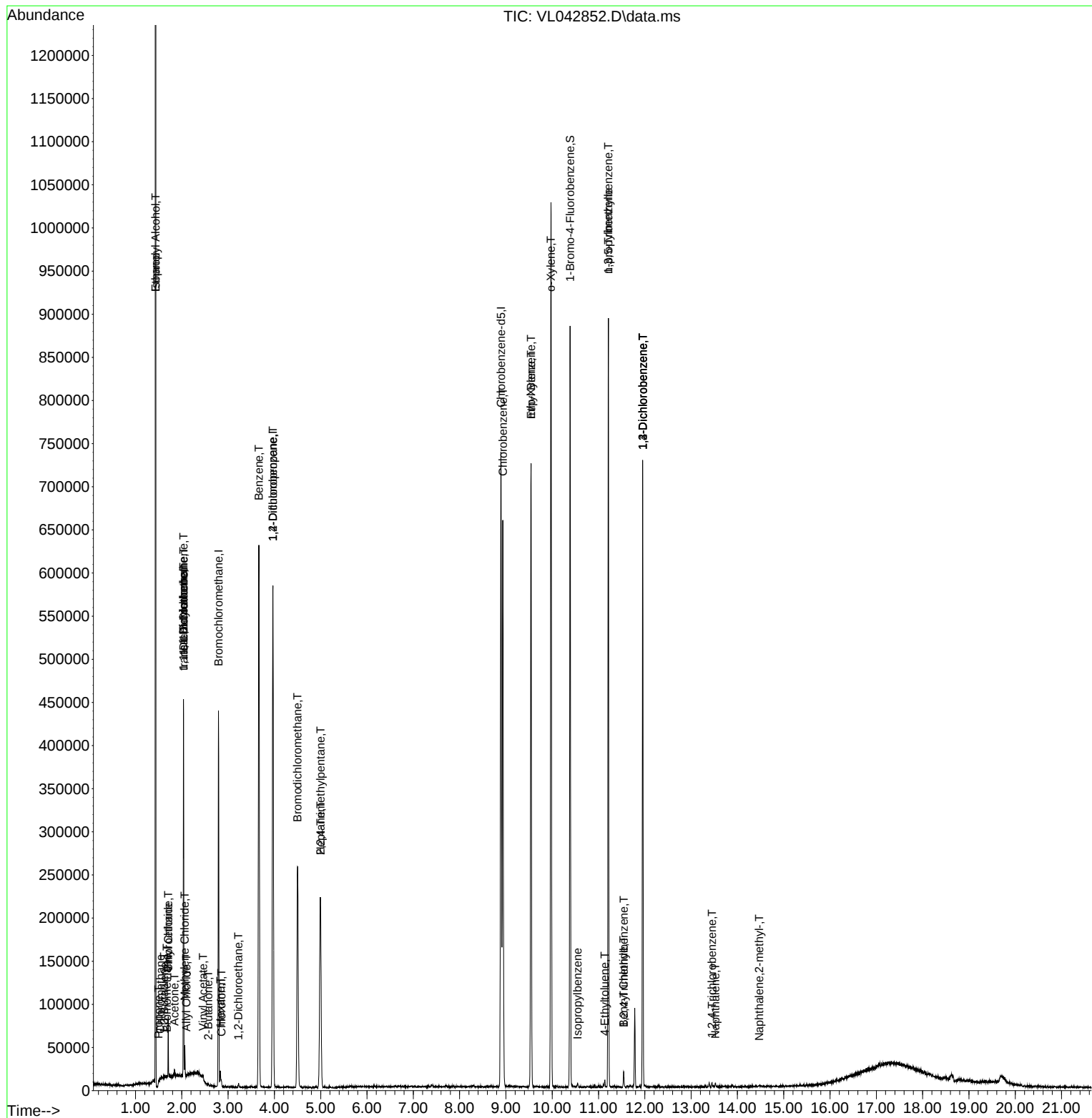
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

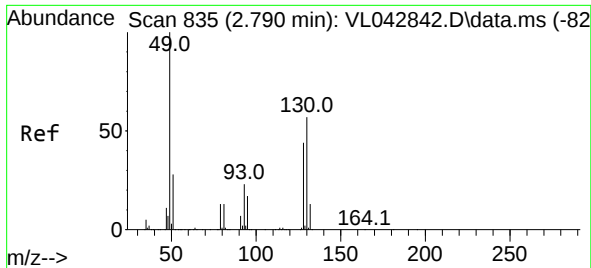
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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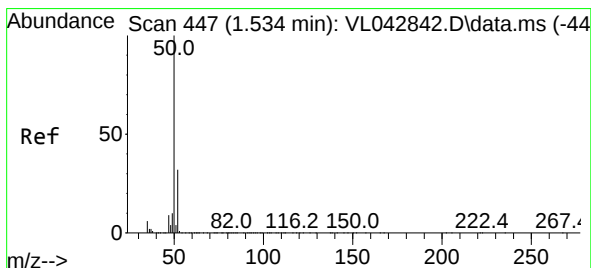
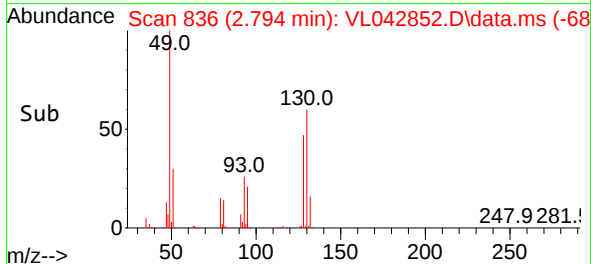
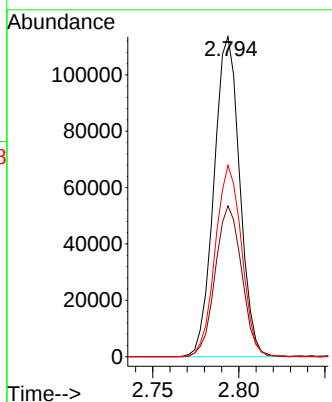
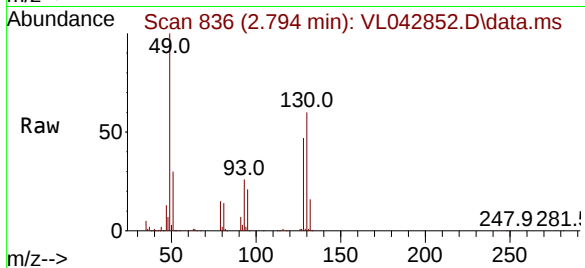




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

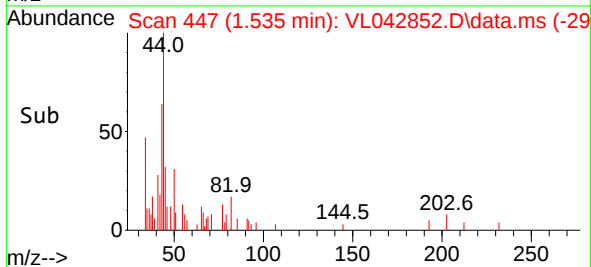
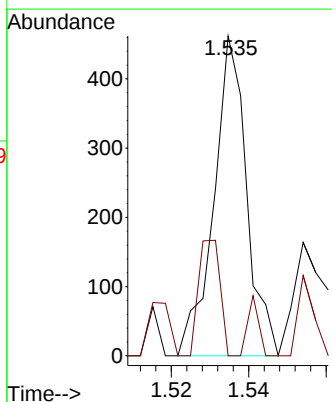
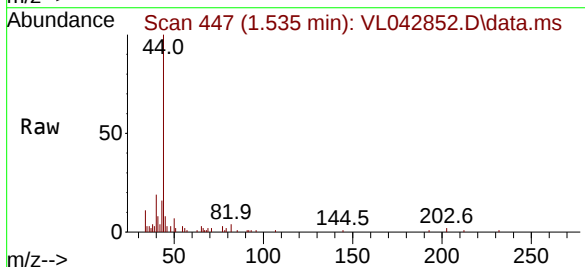
Instrument :
MSVOA_L
ClientSampleId :

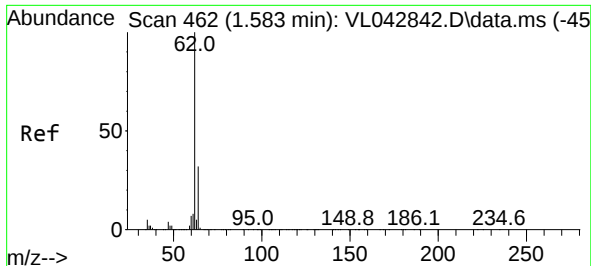
Tgt Ion: 49 Resp: 118347
Ion Ratio Lower Upper
49 100
128 48.5 23.7 71.1
130 61.0 30.6 91.6



#4
Chloromethane
Concen: 0.039 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 50 Resp: 272
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

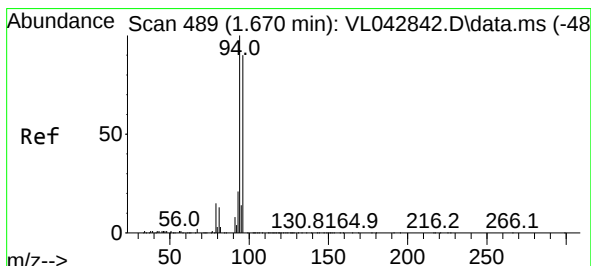
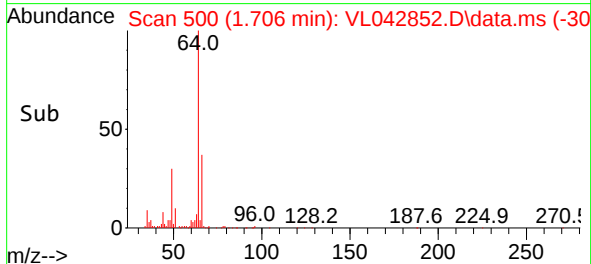
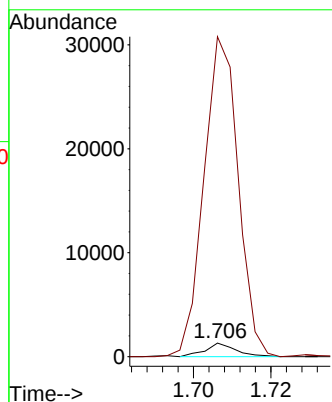
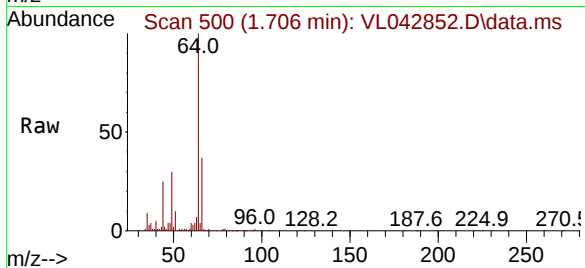




#5
 Vinyl Chloride
 Concen: 0.104 ppbv
 RT: 1.706 min Scan# 50
 Delta R.T. 0.123 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

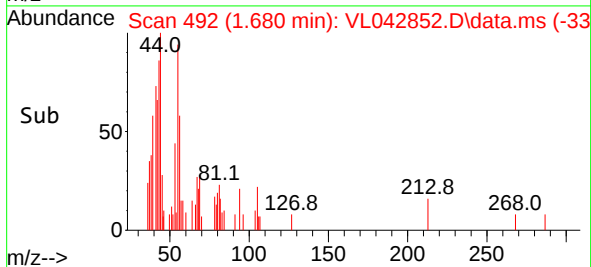
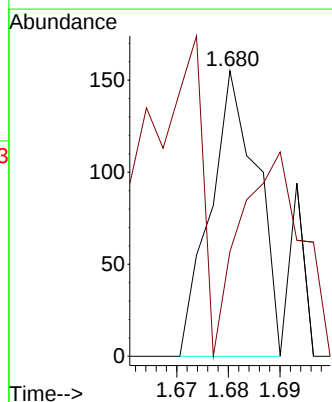
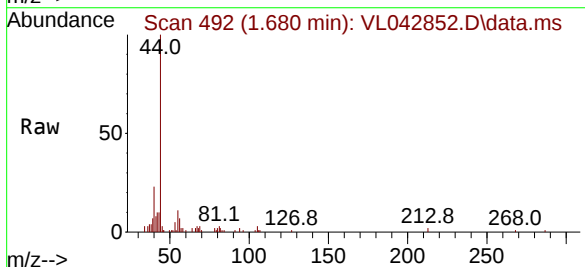
Instrument :
 MSVOA_L
 ClientSampleId :

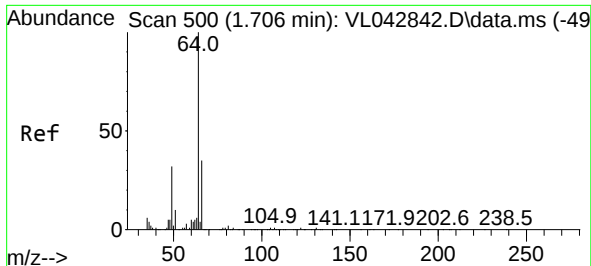
Tgt Ion: 62 Resp: 717
 Ion Ratio Lower Upper
 62 100
 64 2348.1 25.4 38.2#



#6
 Bromomethane
 Concen: 0.035 ppbv
 RT: 1.680 min Scan# 492
 Delta R.T. 0.010 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Tgt Ion: 94 Resp: 97
 Ion Ratio Lower Upper
 94 100
 96 0.0 72.1 108.1#

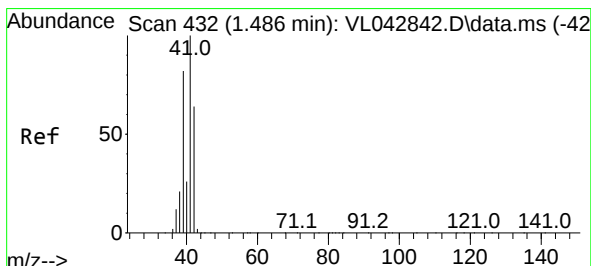
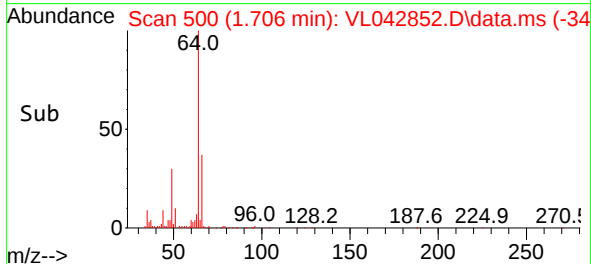
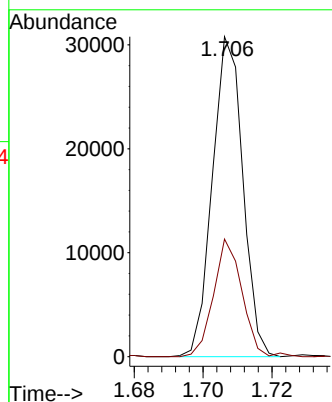
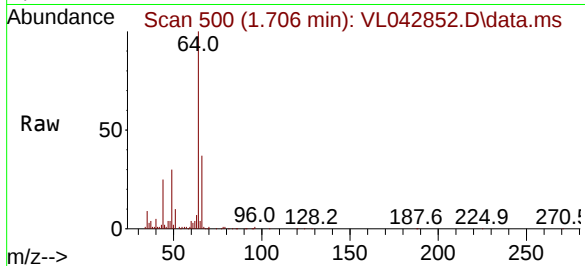




#7
Chloroethane
Concen: 7.023 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

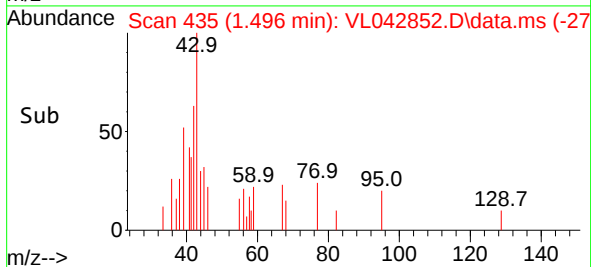
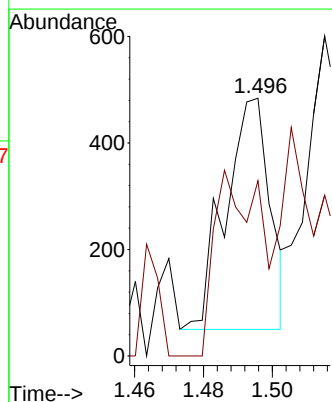
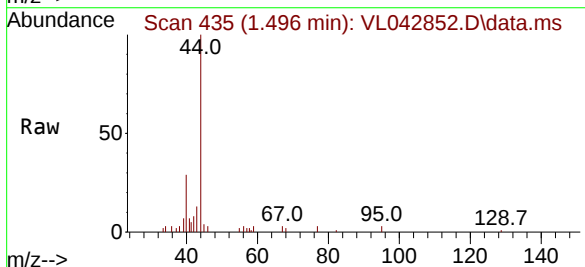
Instrument :
MSVOA_L
ClientSampleId :

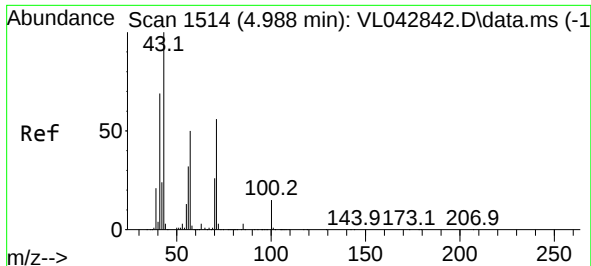
Tgt Ion: 64 Resp: 18906
Ion Ratio Lower Upper
64 100
66 36.8 28.6 42.8



#9
Propene
Concen: 0.047 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.010 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 41 Resp: 392
Ion Ratio Lower Upper
41 100
42 222.2 53.0 79.4#





#10

Heptane

Concen: 4.797 ppbv

RT: 4.995 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

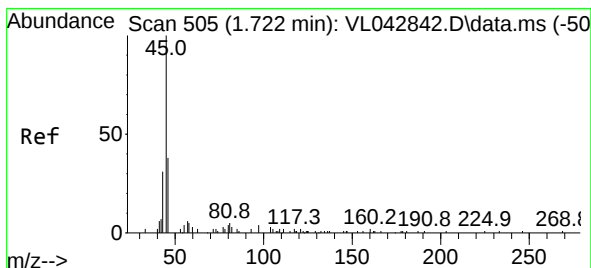
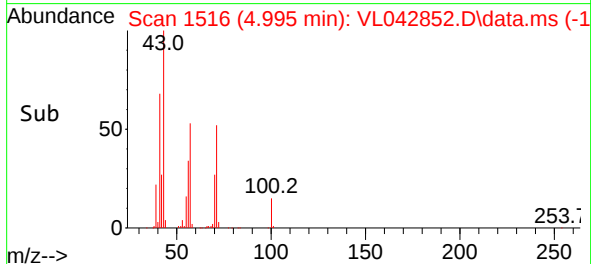
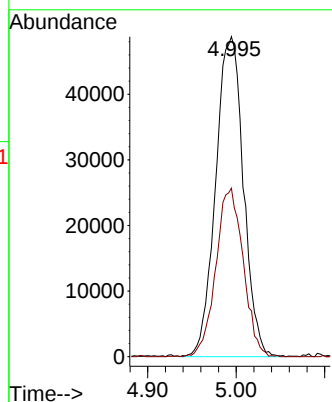
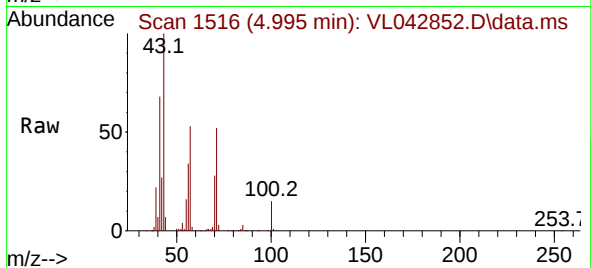
ClientSampleId :

Tgt Ion: 43 Resp: 106371

Ion Ratio Lower Upper

43 100

57 51.8 41.4 62.0



#13

Ethanol

Concen: 73.395 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.288 min

Lab File: VL042852.D

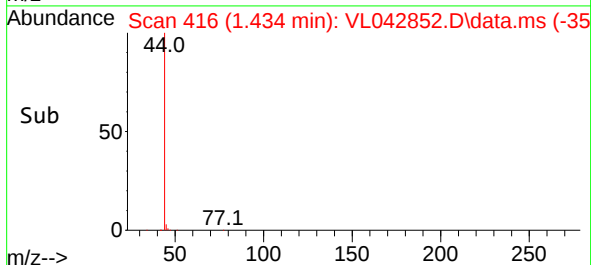
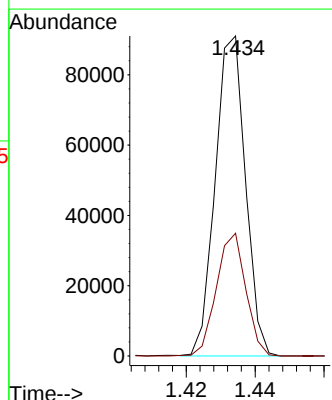
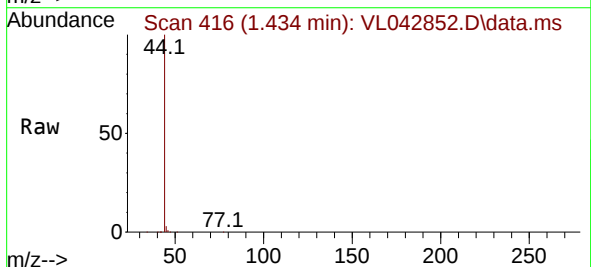
Acq: 13 Aug 2025 15:10

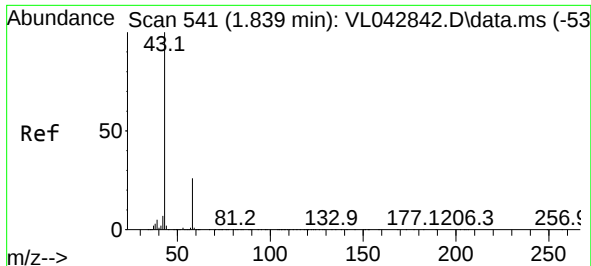
Tgt Ion: 45 Resp: 55564

Ion Ratio Lower Upper

45 100

46 37.3 17.5 69.9

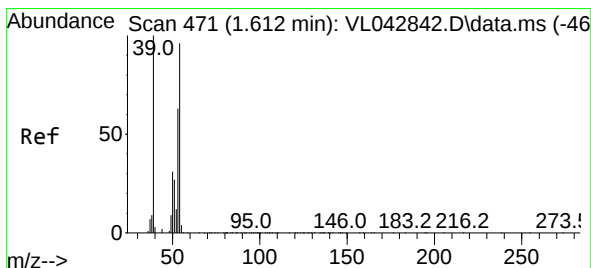
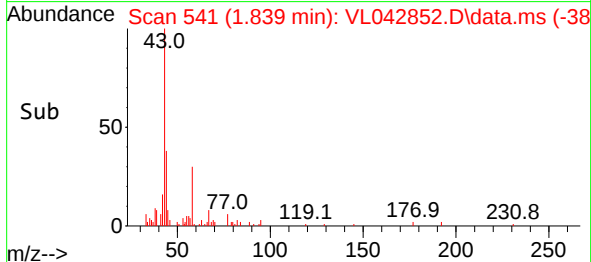
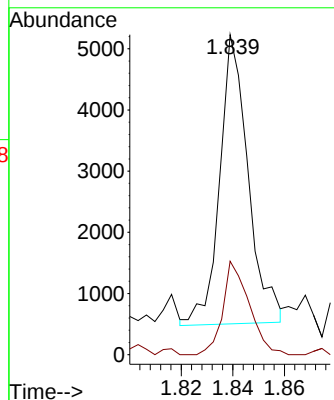
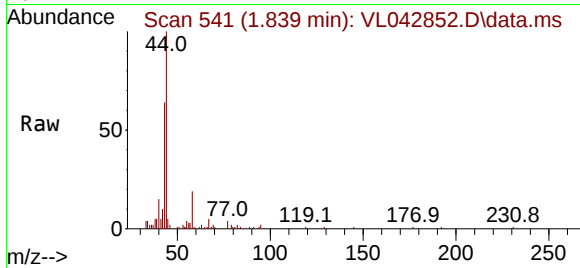




#15
Acetone
Concen: 0.231 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

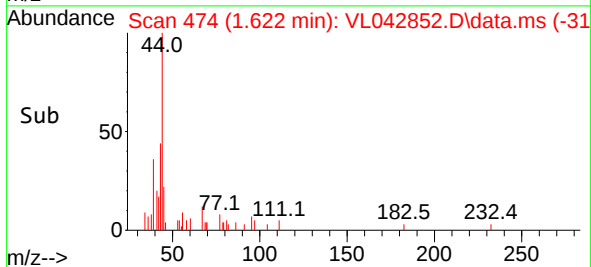
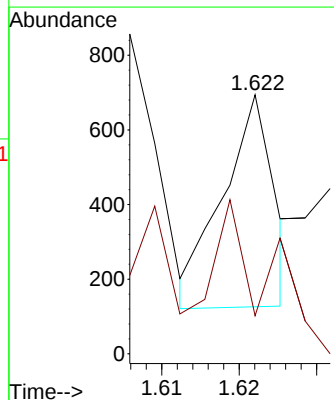
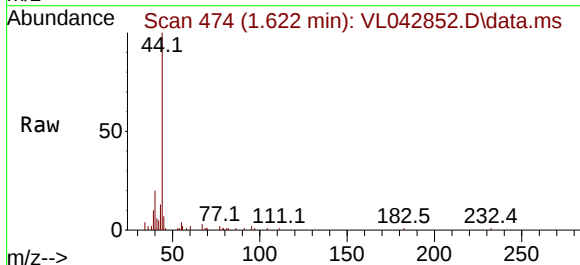
Instrument :
MSVOA_L
ClientSampleId :

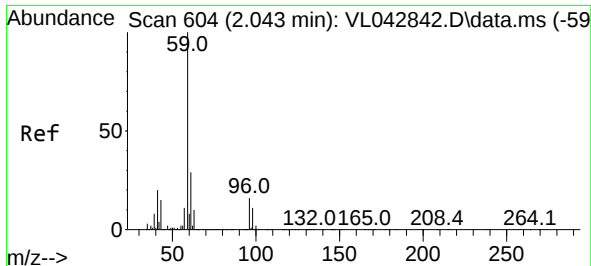
Tgt Ion: 43 Resp: 3623
Ion Ratio Lower Upper
43 100
58 30.8 22.4 33.6



#16
1,3-Butadiene
Concen: 0.037 ppbv
RT: 1.622 min Scan# 474
Delta R.T. 0.010 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 39 Resp: 261
Ion Ratio Lower Upper
39 100
54 190.0 63.6 95.4#





#17

tert-Butyl alcohol

Concen: 0.253 ppbv

RT: 2.036 min Scan# 60

Delta R.T. -0.006 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

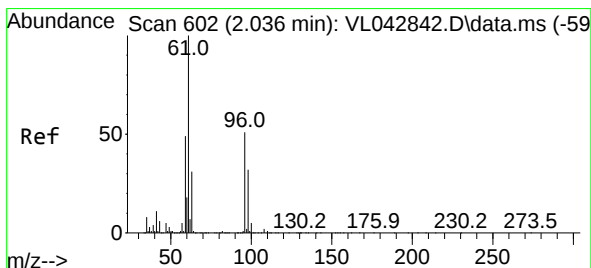
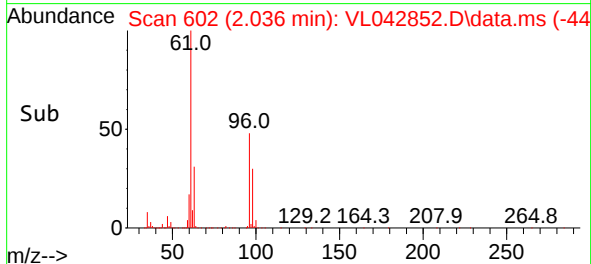
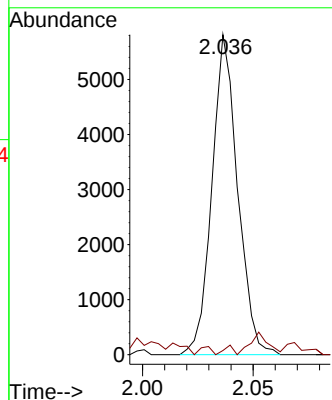
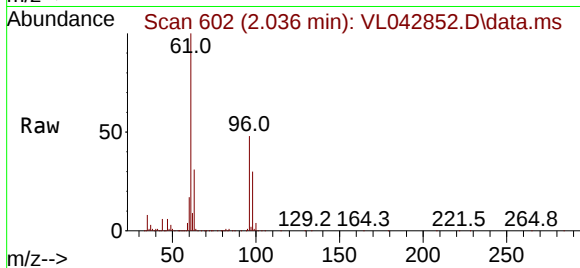
ClientSampleId :

Tgt Ion: 59 Resp: 4697

Ion Ratio Lower Upper

59 100

57 14.4 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 9.748 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

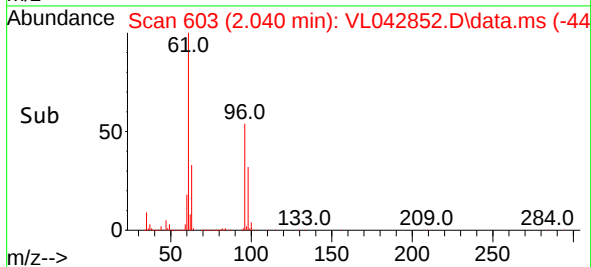
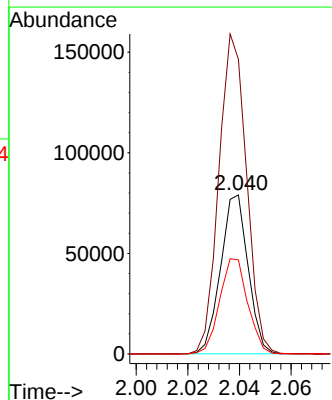
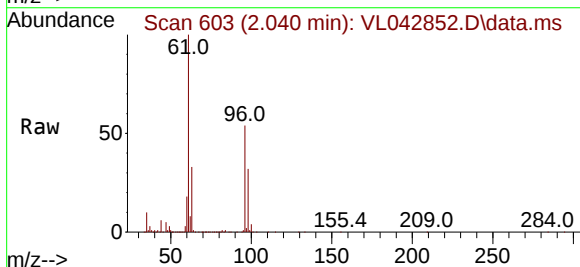
Tgt Ion: 96 Resp: 58452

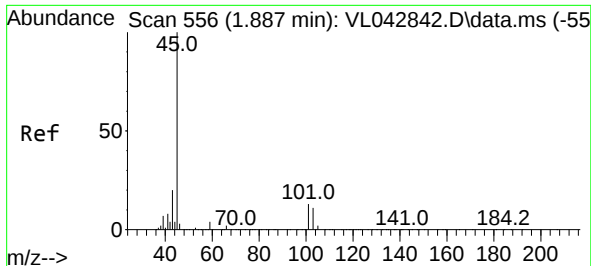
Ion Ratio Lower Upper

96 100

61 185.5 158.2 237.4

98 59.2 50.6 76.0





#19

Isopropyl Alcohol

Concen: 5.942 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.453 min

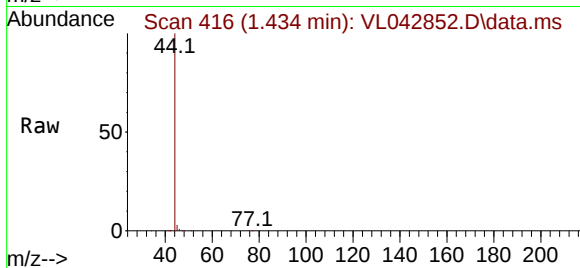
Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

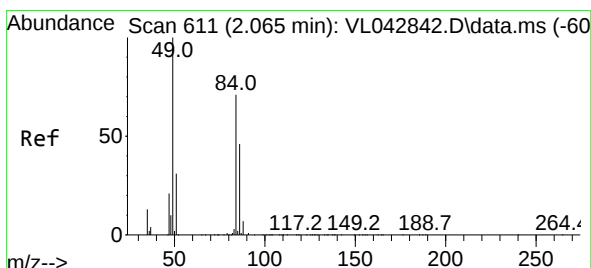
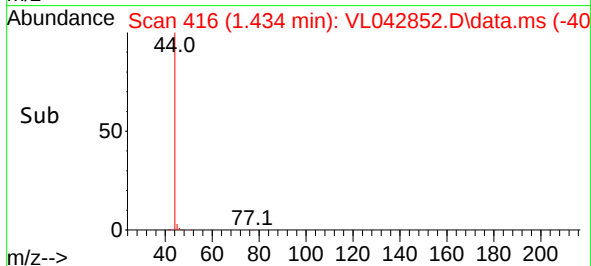
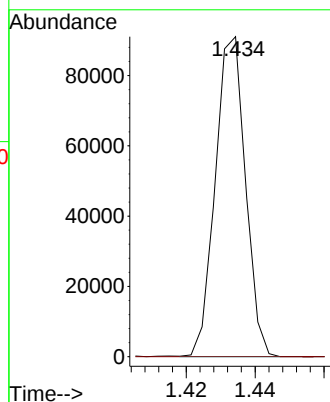
MSVOA_L

ClientSampleId :



Tgt Ion: 45 Resp: 55564

Ion	Ratio	Lower	Upper
45	100		
58	0.2	32.7	49.1#



#20

Methylene Chloride

Concen: 0.773 ppbv

RT: 2.065 min Scan# 611

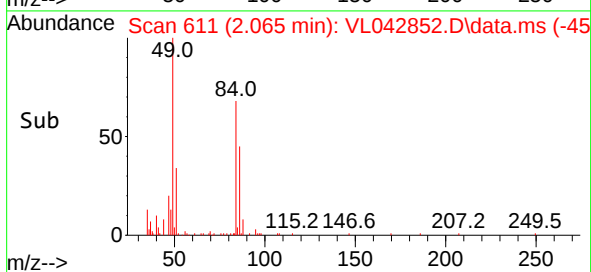
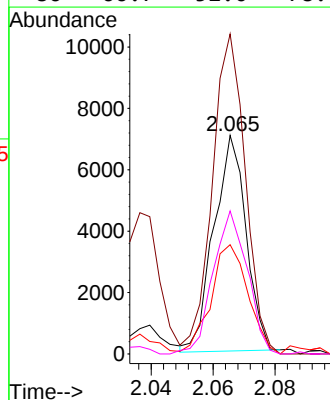
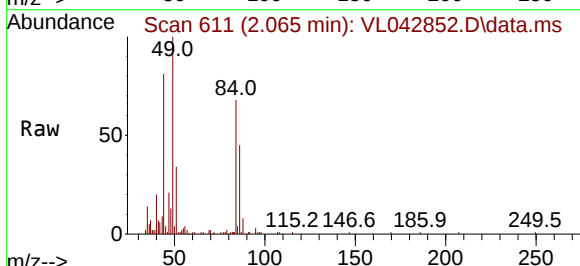
Delta R.T. 0.000 min

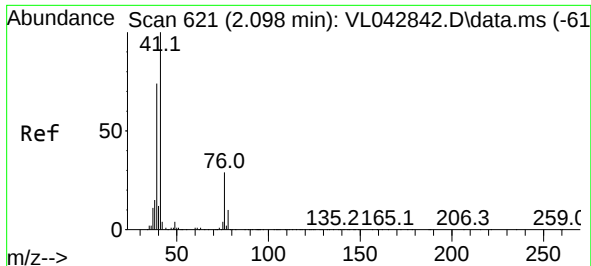
Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Tgt Ion: 84 Resp: 5071

Ion	Ratio	Lower	Upper
84	100		
49	149.2	112.3	168.5
51	50.9	36.0	54.0
86	66.7	52.0	78.0

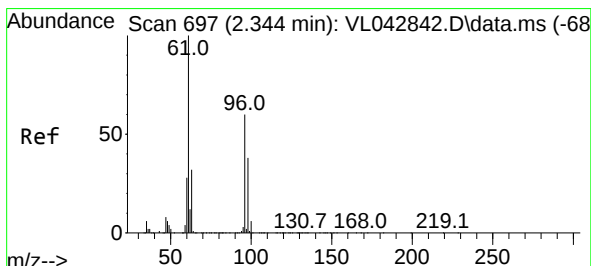
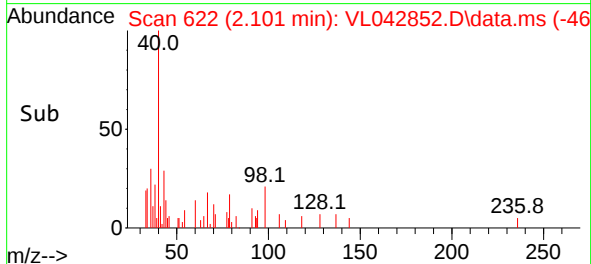
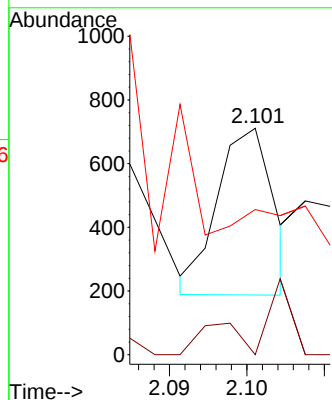
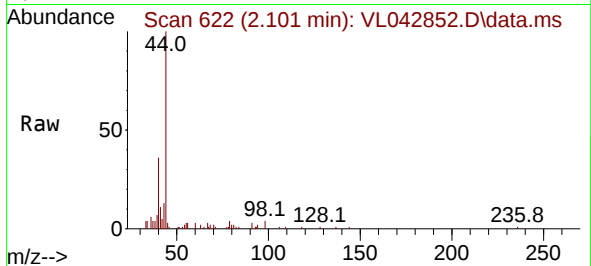




#21
 Allyl Chloride
 Concen: 0.024 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

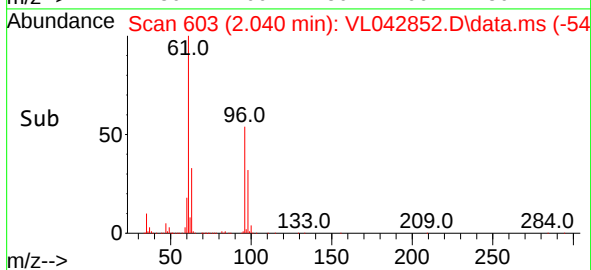
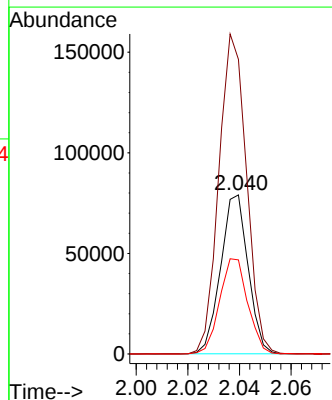
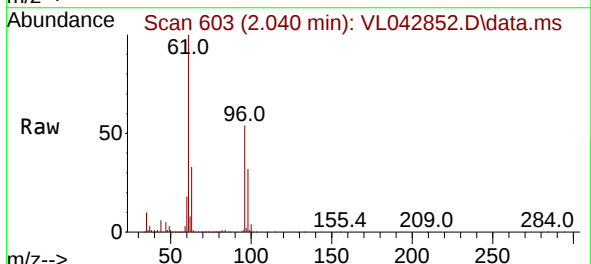
Instrument :
 MSVOA_L
 ClientSampleId :

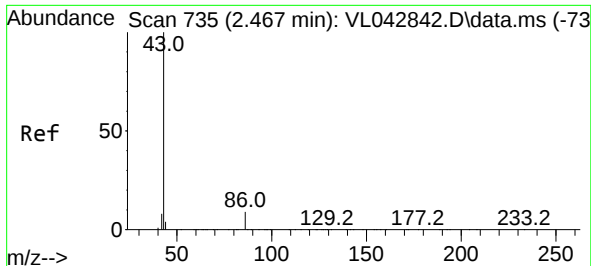
Tgt Ion: 41 Resp: 264
 Ion Ratio Lower Upper
 41 100
 76 35.2 23.9 35.9
 39 0.0 57.8 86.6#



#22
 trans-1,2-Dichloroethene
 Concen: 8.426 ppbv
 RT: 2.040 min Scan# 603
 Delta R.T. -0.304 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Tgt Ion: 96 Resp: 58452
 Ion Ratio Lower Upper
 96 100
 61 185.5 132.6 199.0
 98 59.2 50.0 75.0



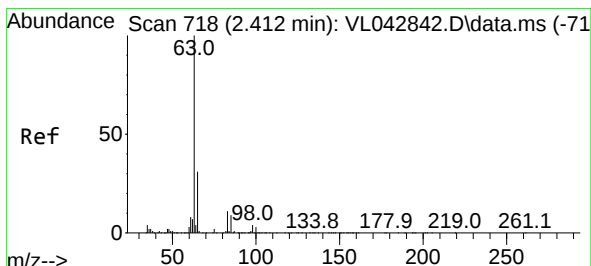
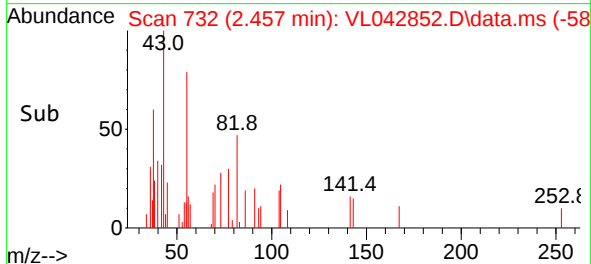
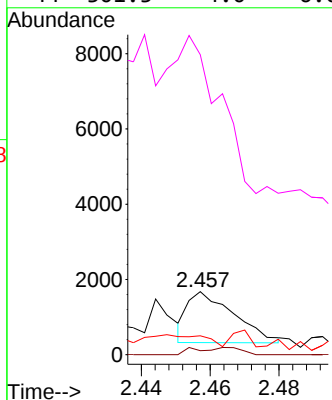
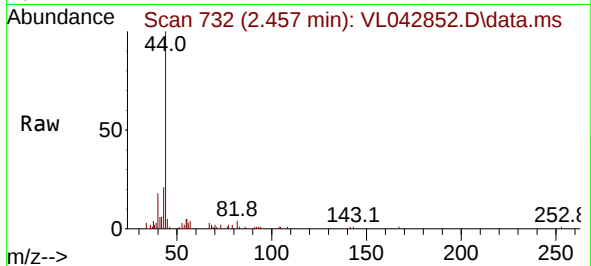


#23
 Vinyl Acetate
 Concen: 0.059 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1279

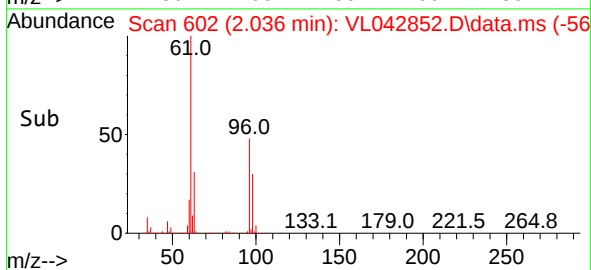
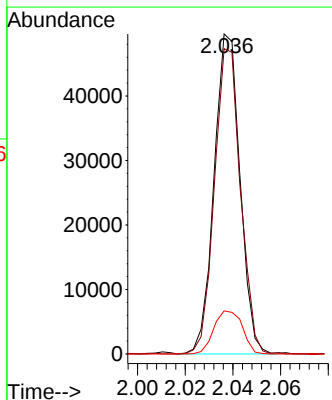
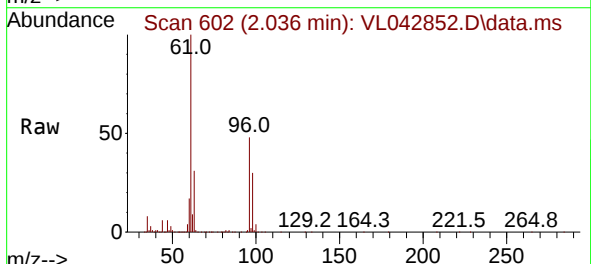
Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.6	9.8
42	7.4	7.0	10.6
44	301.3	4.0	6.0

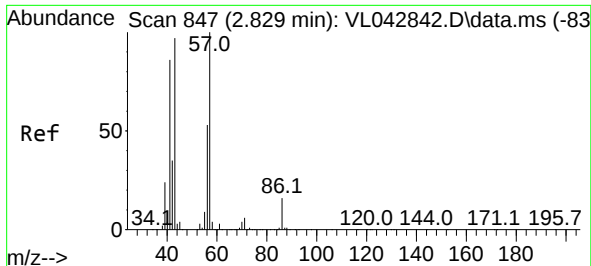


#24
 1,1-Dichloroethane
 Concen: 2.705 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.375 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Tgt Ion: 63 Resp: 37474

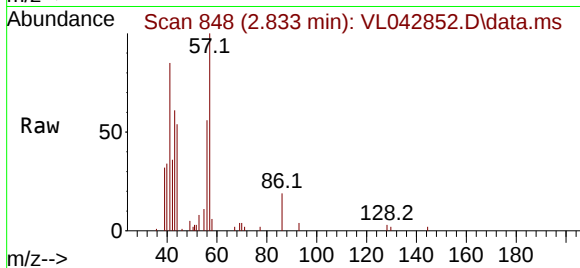
Ion	Ratio	Lower	Upper
63	100		
98	95.4	2.1	6.5
100	13.4	1.7	5.1



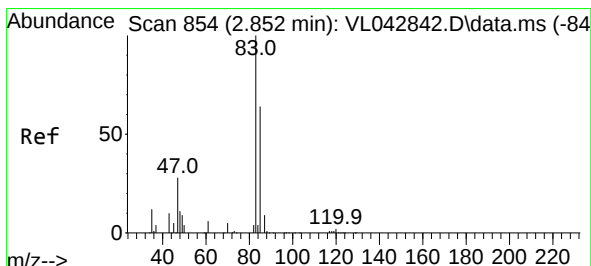
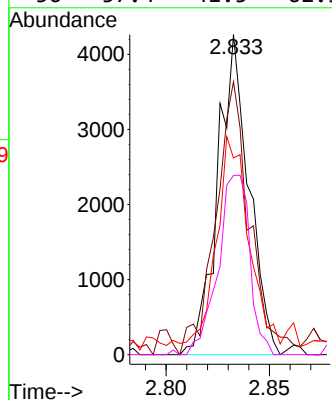
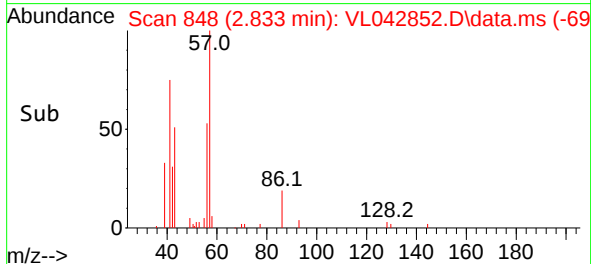


#26
Hexane
Concen: 0.256 ppbv
RT: 2.833 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :

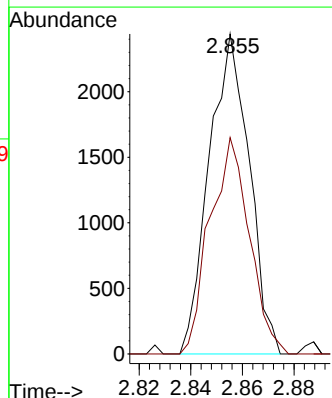
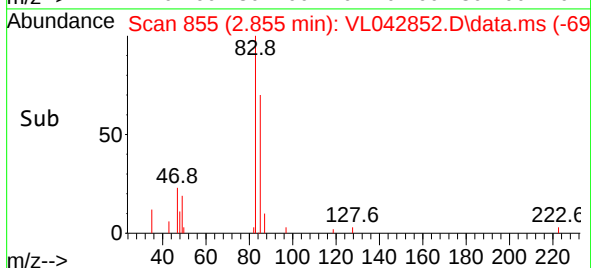
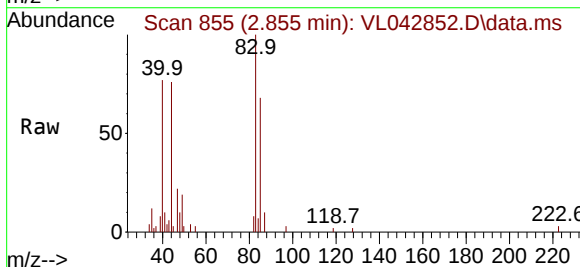


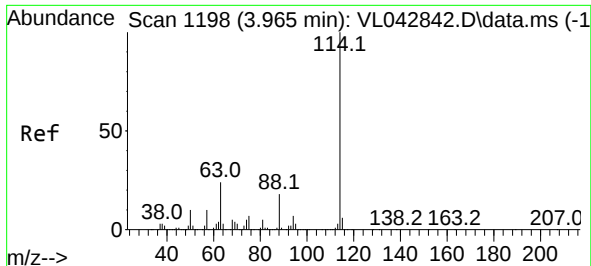
Tgt Ion: 57 Resp: 4475
Ion Ratio Lower Upper
57 100
41 87.6 68.6 103.0
43 76.1 168.5 252.7#
56 57.4 41.5 62.3



#29
Chloroform
Concen: 0.105 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 83 Resp: 2632
Ion Ratio Lower Upper
83 100
85 67.6 51.1 76.7

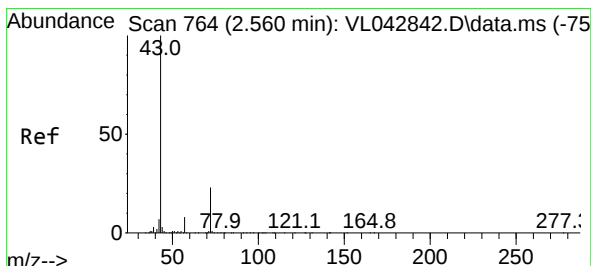
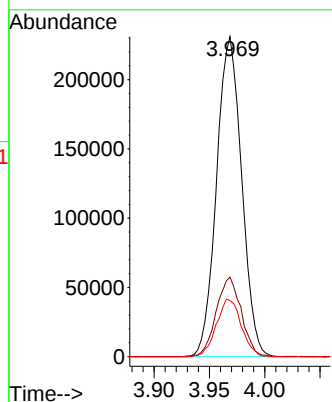
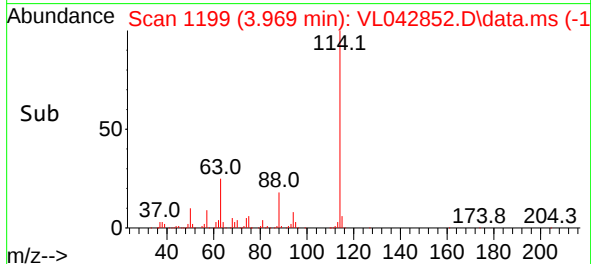
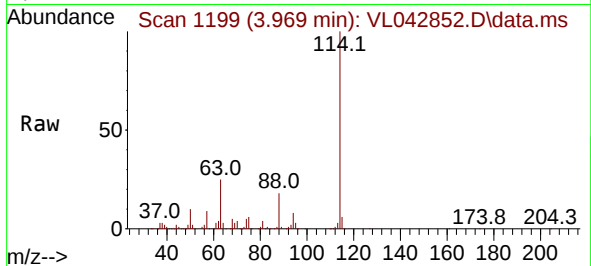




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.969 min Scan# 1198
 Delta R.T. 0.003 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

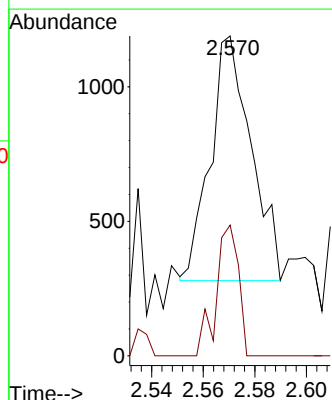
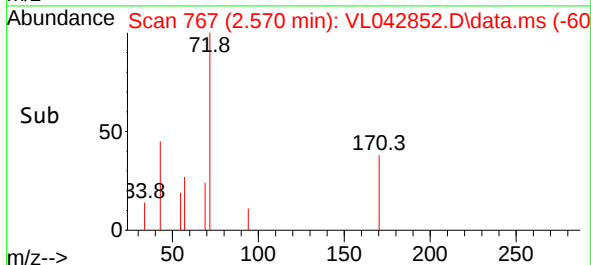
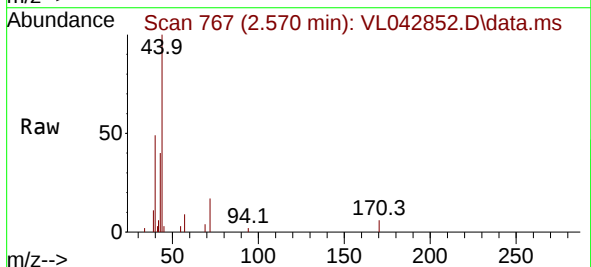
Instrument :
 MSVOA_L
 ClientSampleId :

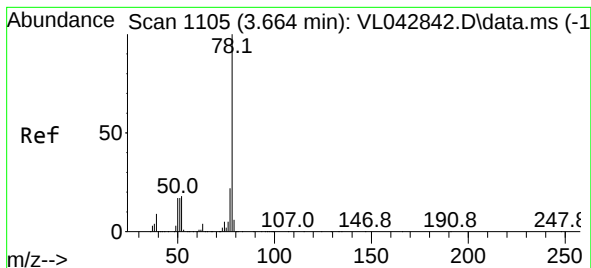
Tgt Ion:114 Resp: 364683
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.7 29.5
 88 17.8 14.4 21.6



#34
 2-Butanone
 Concen: 0.041 ppbv
 RT: 2.570 min Scan# 767
 Delta R.T. 0.010 min
 Lab File: VL042852.D
 Acq: 13 Aug 2025 15:10

Tgt Ion: 43 Resp: 1000
 Ion Ratio Lower Upper
 43 100
 72 29.0 18.6 28.0#





#36

Benzene

Concen: 11.670 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

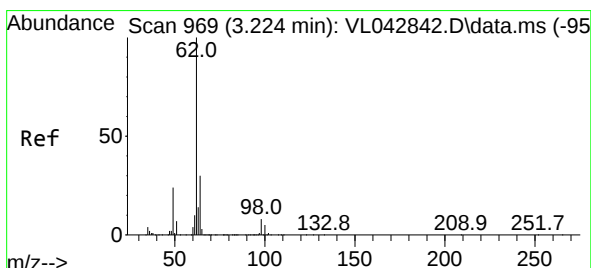
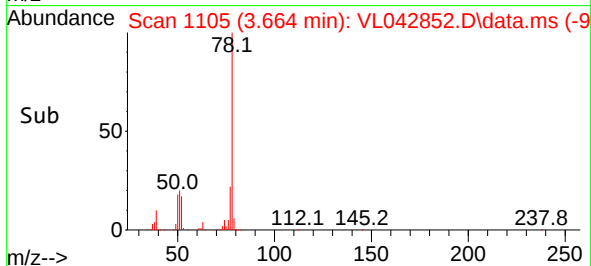
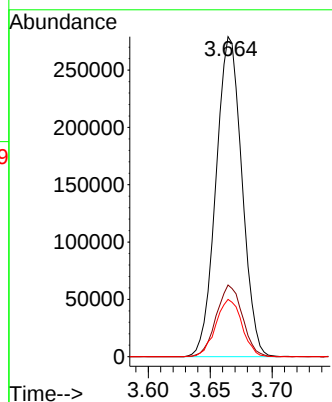
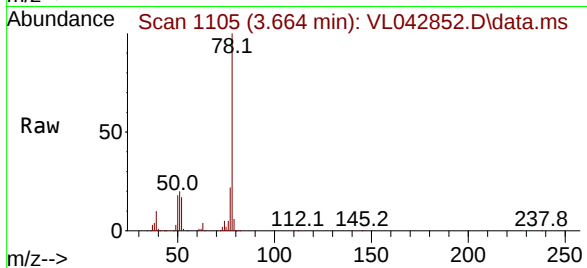
Tgt Ion: 78 Resp: 407528

Ion Ratio Lower Upper

78 100

77 22.4 17.7 26.5

50 17.9 13.9 20.9



#37

1,2-Dichloroethane

Concen: 0.094 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.000 min

Lab File: VL042852.D

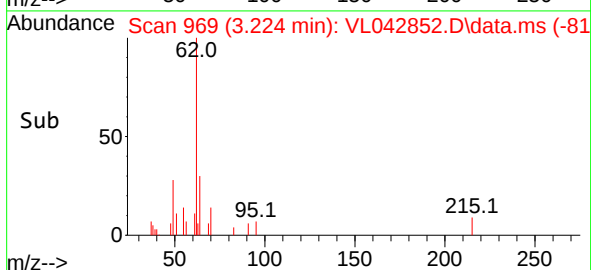
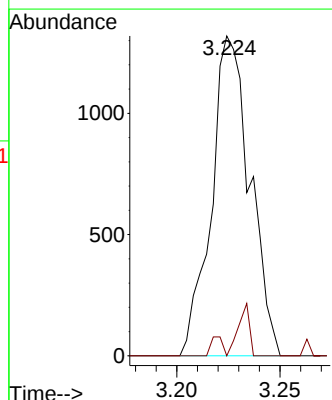
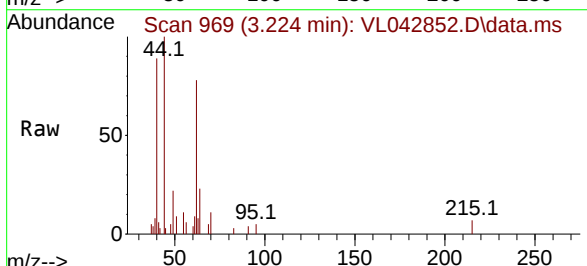
Acq: 13 Aug 2025 15:10

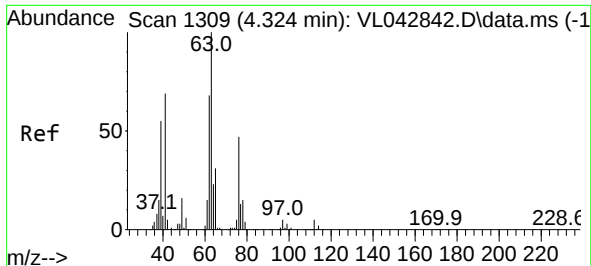
Tgt Ion: 62 Resp: 1715

Ion Ratio Lower Upper

62 100

98 6.5 5.9 8.9





#39

1,2-Dichloropropane

Concen: 7.056 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. -0.356 min

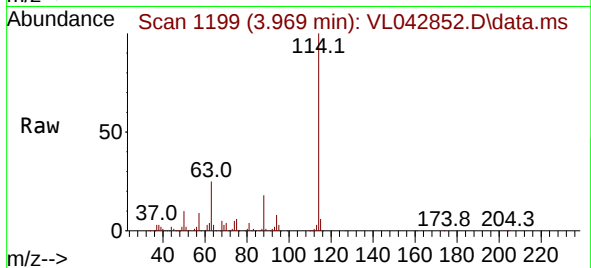
Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

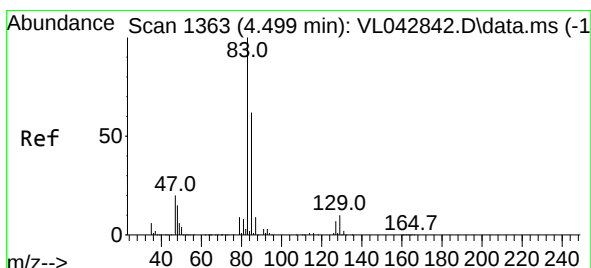
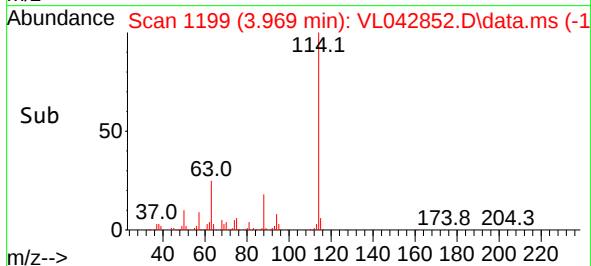
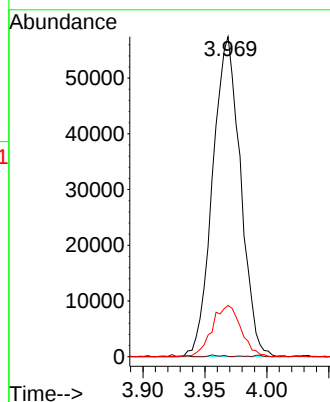
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	63	Resp:	89996
Ion Ratio	Lower	Upper	
63	100		
41	0.0	55.0	82.4#
62	16.0	54.4	81.6#



#42

Bromodichloromethane

Concen: 6.097 ppbv

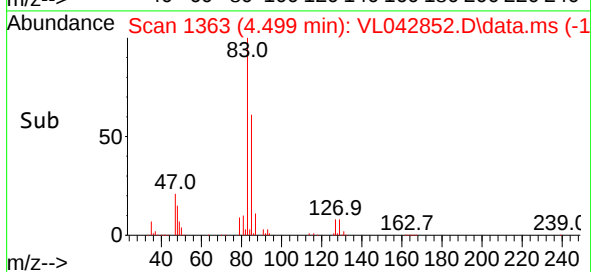
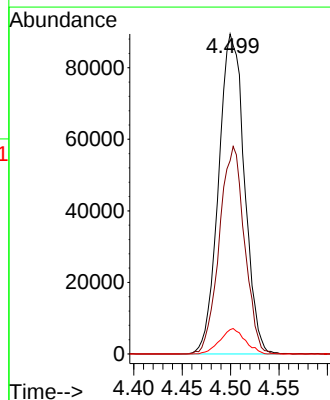
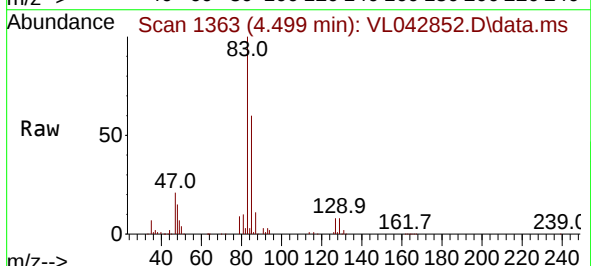
RT: 4.499 min Scan# 1363

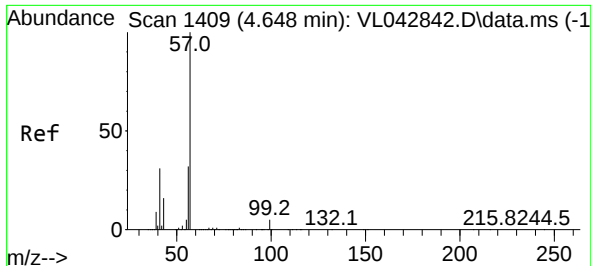
Delta R.T. 0.000 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Tgt Ion:	83	Resp:	165750
Ion Ratio	Lower	Upper	
83	100		
85	60.4	49.8	74.8
127	7.6	5.8	8.6





#44

2,2,4-Trimethylpentane

Concen: 0.927 ppbv

RT: 4.995 min Scan# 11

Delta R.T. 0.347 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

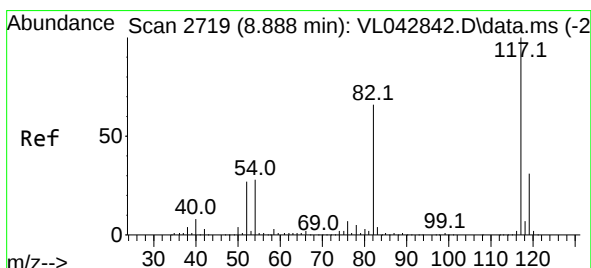
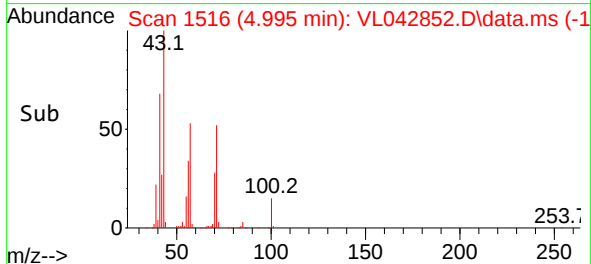
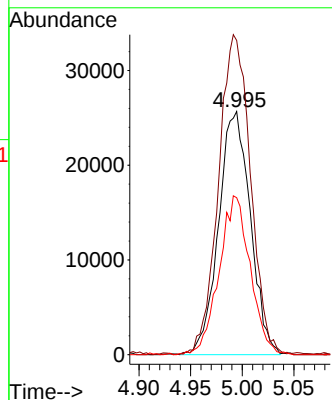
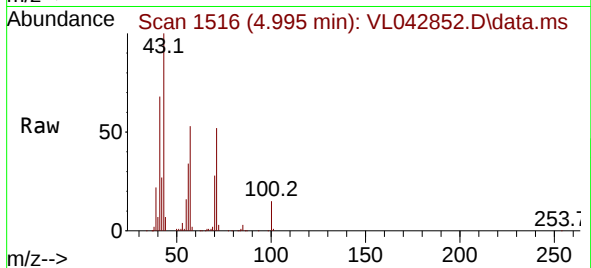
Tgt Ion: 57 Resp: 54925

Ion Ratio Lower Upper

57 100

41 132.3 24.8 37.2#

56 64.0 25.5 38.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.892 min Scan# 2720

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

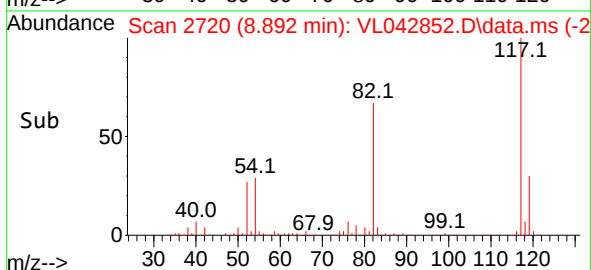
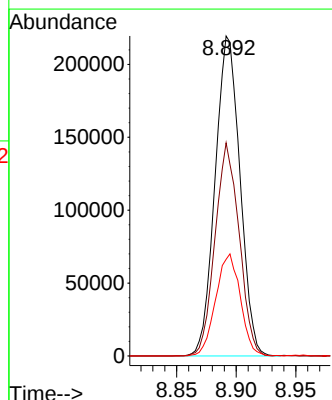
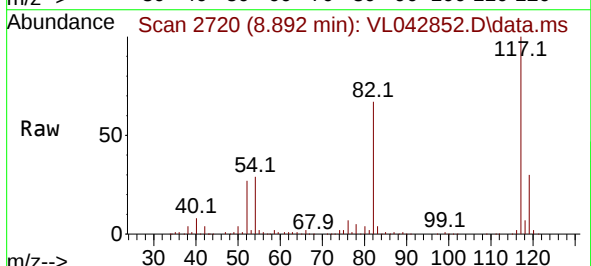
Tgt Ion: 117 Resp: 318426

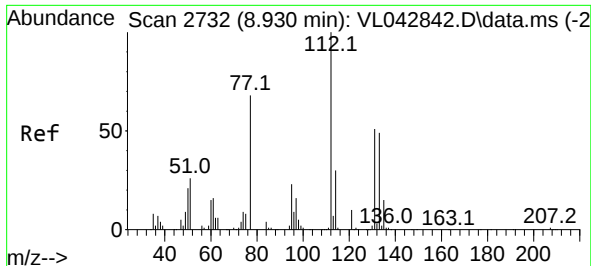
Ion Ratio Lower Upper

117 100

82 64.7 54.6 81.8

119 31.6 25.9 38.9





#57

Chlorobenzene

Concen: 8.963 ppbv

RT: 8.934 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

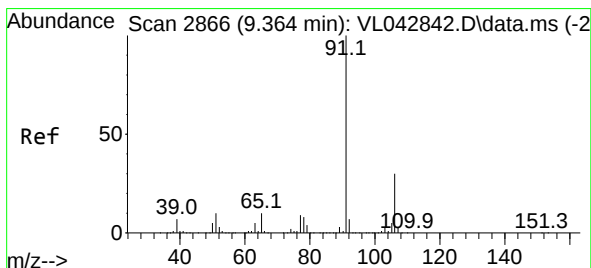
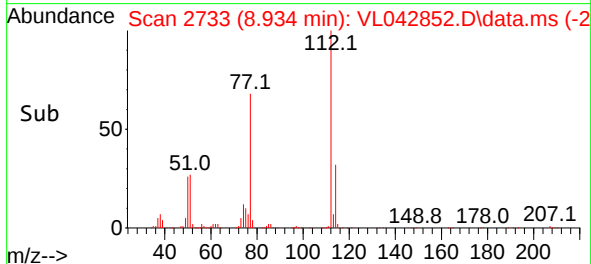
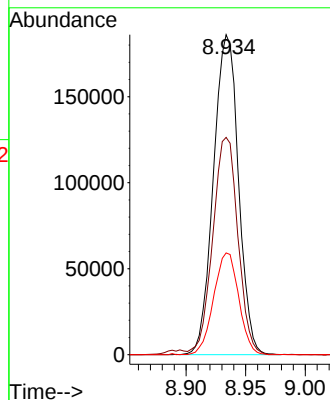
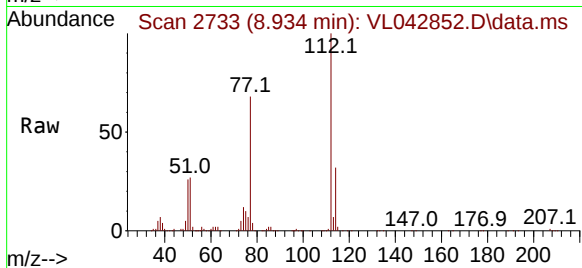
Tgt Ion:112 Resp: 271358

Ion Ratio Lower Upper

112 100

77 67.8 55.5 83.3

114 31.8 27.2 33.2



#58

Ethyl Benzene

Concen: 6.015 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.178 min

Lab File: VL042852.D

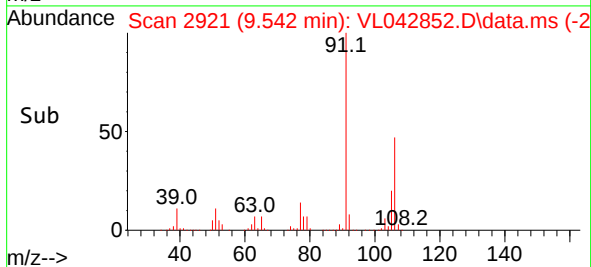
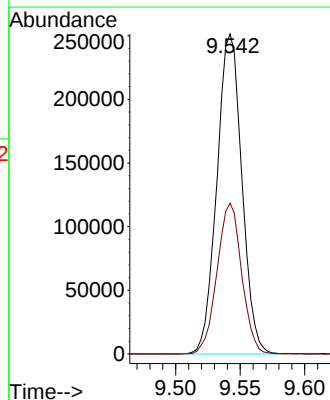
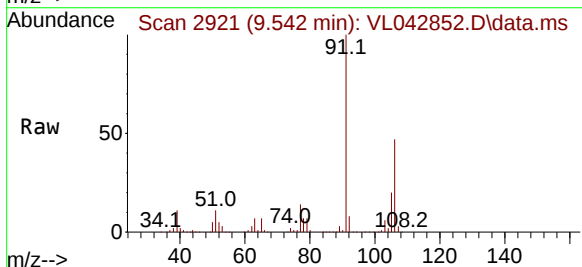
Acq: 13 Aug 2025 15:10

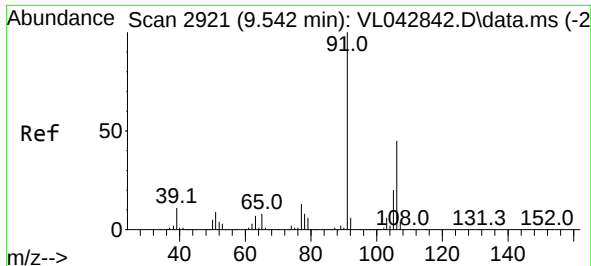
Tgt Ion: 91 Resp: 337995

Ion Ratio Lower Upper

91 100

106 47.1 23.9 35.9#

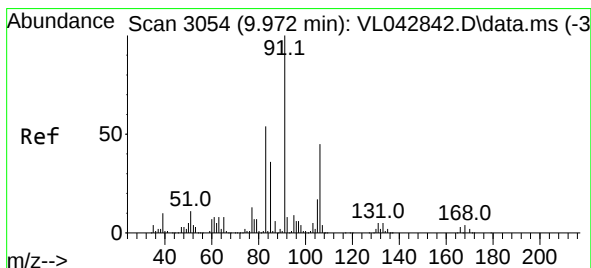
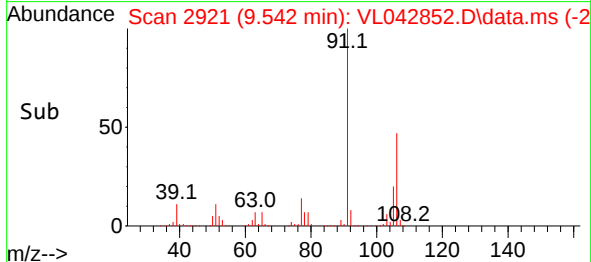
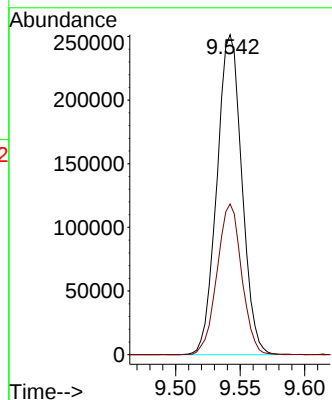
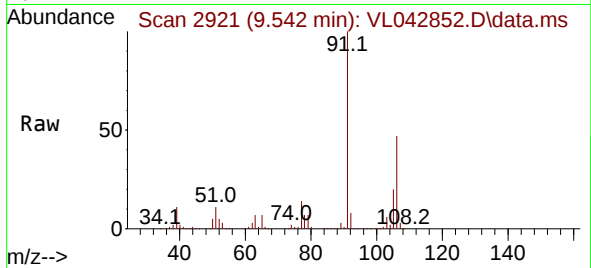




#59
m/p-Xylene
Concen: 7.674 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

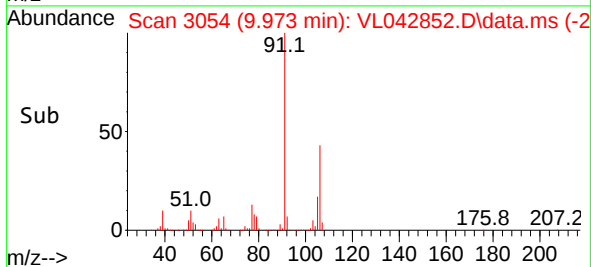
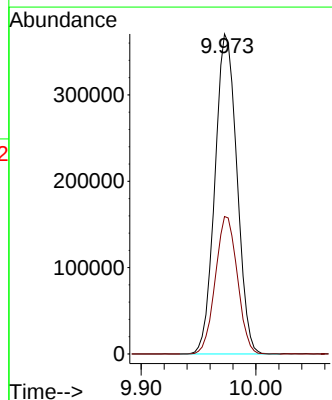
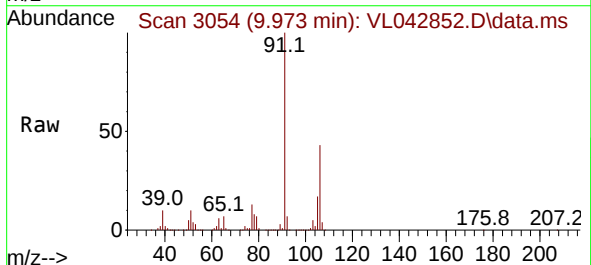
Instrument :
MSVOA_L
ClientSampleId :

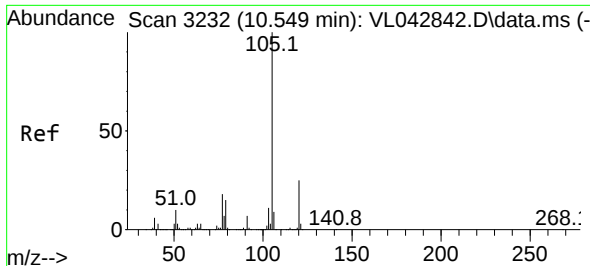
Tgt Ion: 91 Resp: 337995
Ion Ratio Lower Upper
91 100
106 46.4 0.0 0.0#



#60
o-Xylene
Concen: 11.140 ppbv
RT: 9.973 min Scan# 3054
Delta R.T. 0.000 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 91 Resp: 493555
Ion Ratio Lower Upper
91 100
106 43.1 21.8 65.4

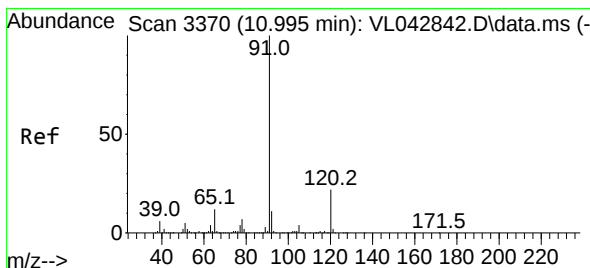
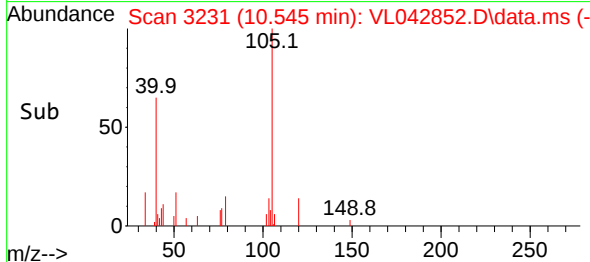
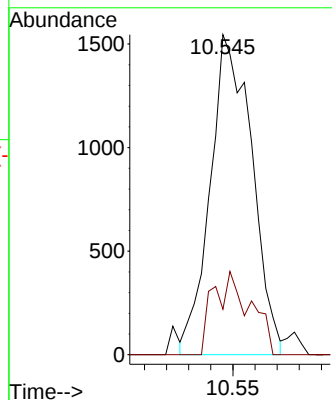
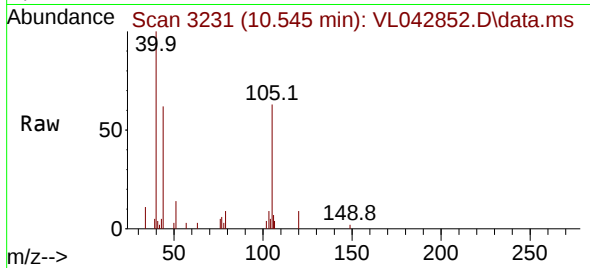




#62
Isopropylbenzene
Concen: 0.031 ppbv
RT: 10.545 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

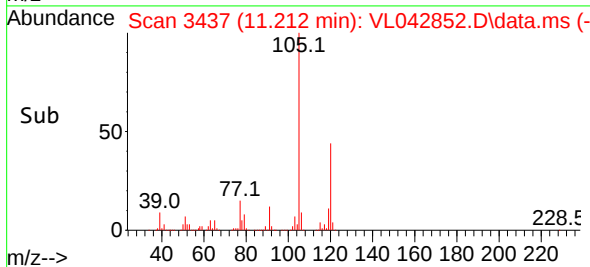
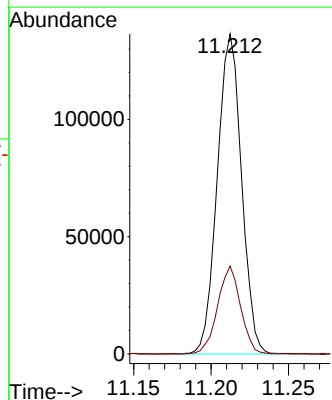
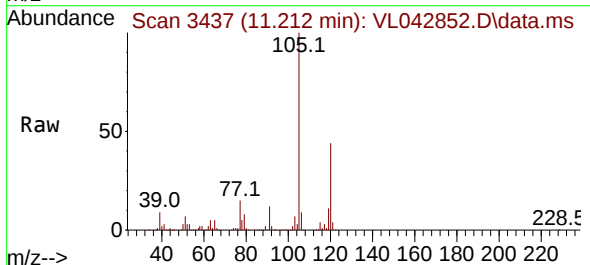
Instrument :
MSVOA_L
ClientSampleId :

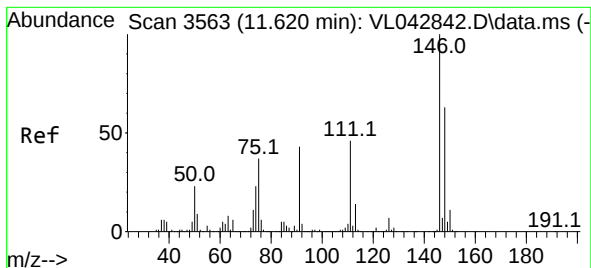
Tgt Ion:105 Resp: 2023
Ion Ratio Lower Upper
105 100
120 23.1 20.6 30.8



#64
n-propylbenzene
Concen: 8.998 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.217 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

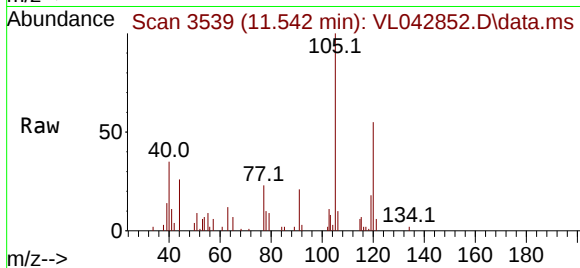
Tgt Ion:120 Resp: 148648
Ion Ratio Lower Upper
120 100
91 26.0 375.8 563.6#



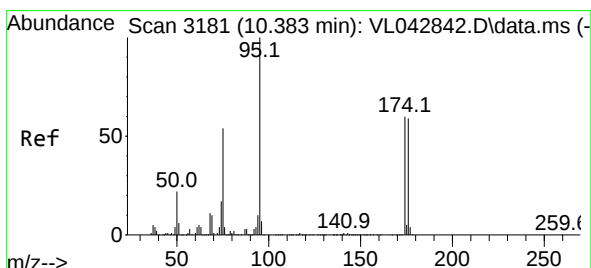
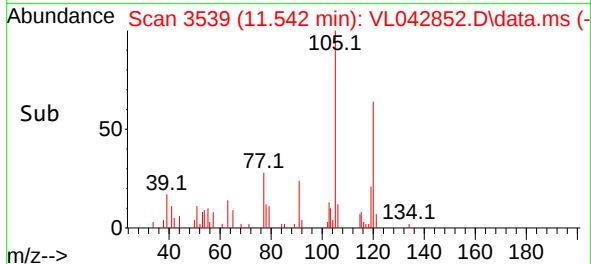
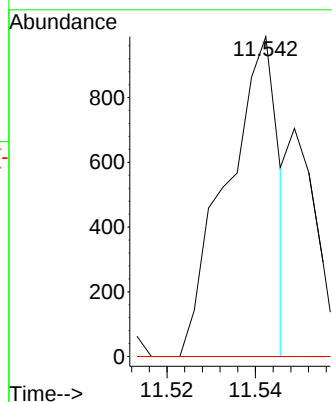


#66
Benzyl Chloride
Concen: 0.111 ppbv
RT: 11.542 min Scan# 3182
Delta R.T. -0.077 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Instrument :
MSVOA_L
ClientSampleId :

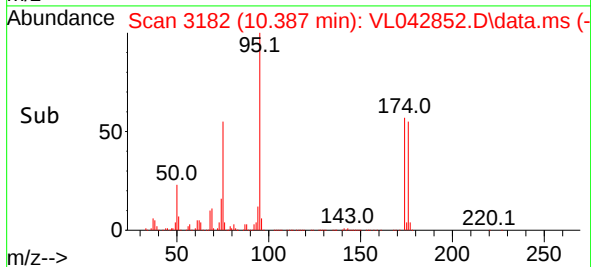
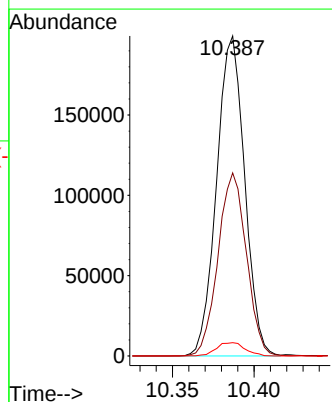
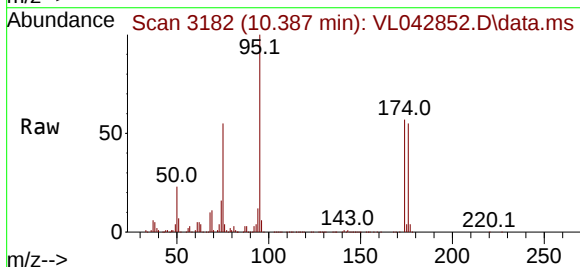


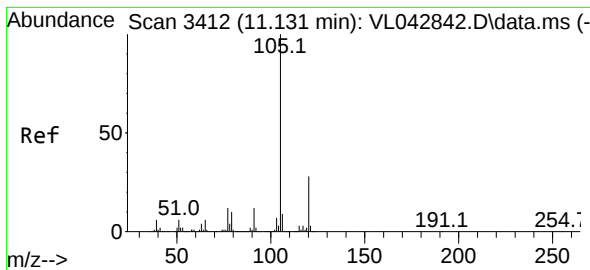
Tgt Ion: 91 Resp: 802
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 1.6 5.0 7.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion: 95 Resp: 237748
Ion Ratio Lower Upper
95 100
174 58.0 48.4 72.6
175 4.3 3.8 5.8

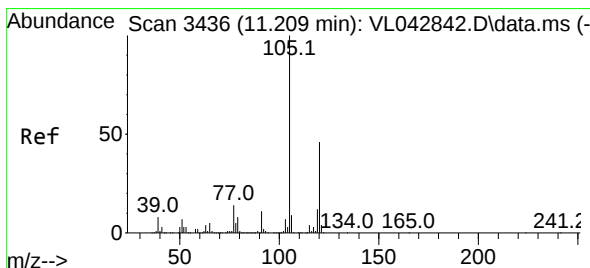
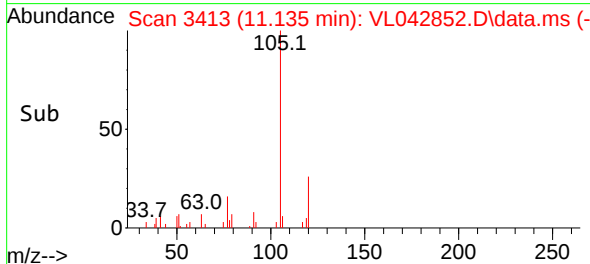
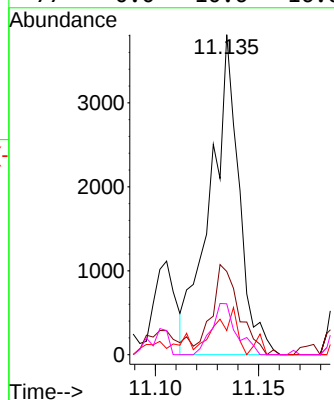
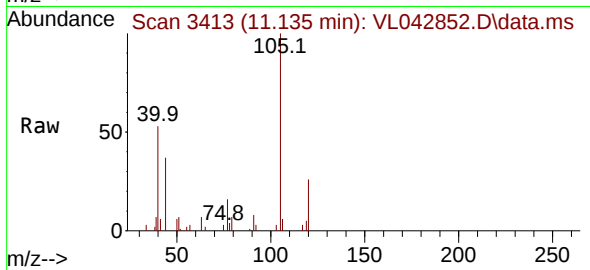




#72
4-Ethyltoluene
Concen: 0.069 ppbv
RT: 11.135 min Scan# 3412
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

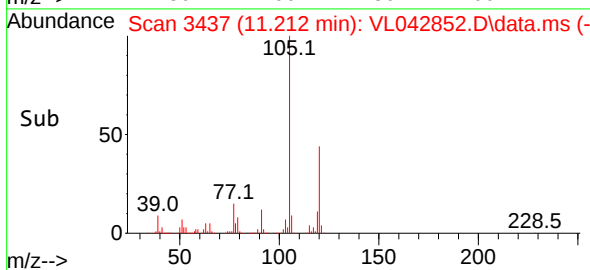
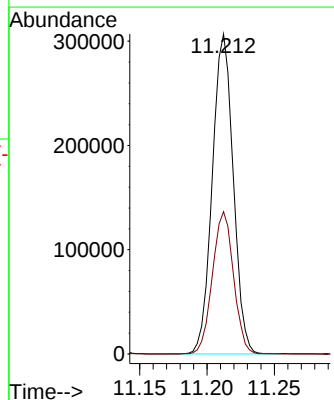
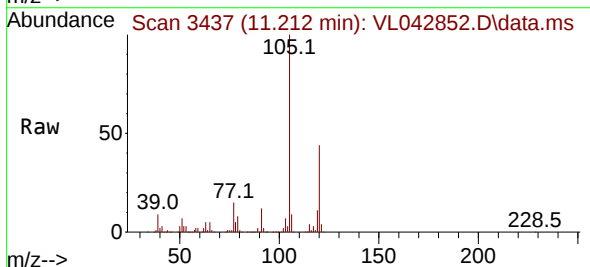
Instrument :
MSVOA_L
ClientSampleId :

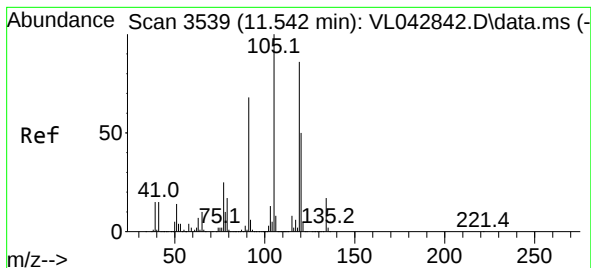
Tgt Ion:	105	Resp:	3687
Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.2#
91	0.0	9.8	14.6#
77	0.0	10.6	16.0#



#73
1,3,5-Trimethylbenzene
Concen: 7.269 ppbv
RT: 11.212 min Scan# 3437
Delta R.T. 0.003 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion:	105	Resp:	331987
Ion	Ratio	Lower	Upper
105	100		
120	44.4	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 0.116 ppbv

RT: 11.546 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL042852.D

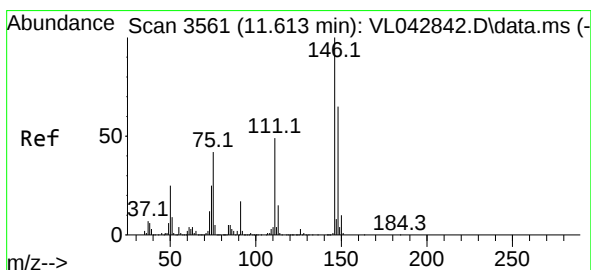
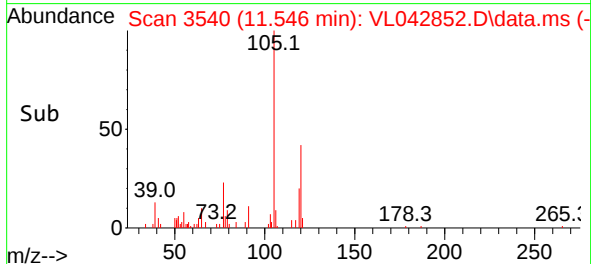
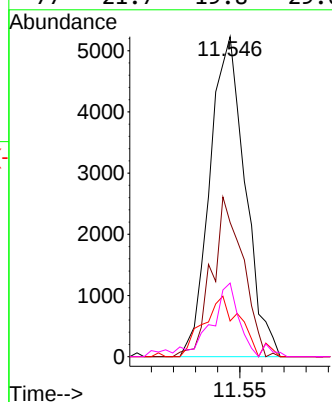
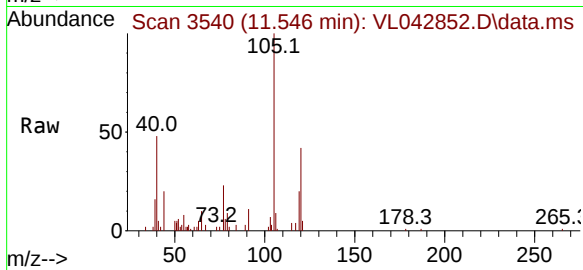
Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	5792
Ion	Ratio	Lower	Upper
105	100		
120	41.9	39.8	59.6
91	11.1	54.2	81.4#
77	21.7	19.8	29.6



#75

1,3-Dichlorobenzene

Concen: 5.869 ppbv

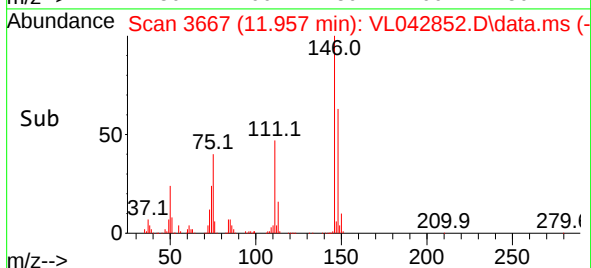
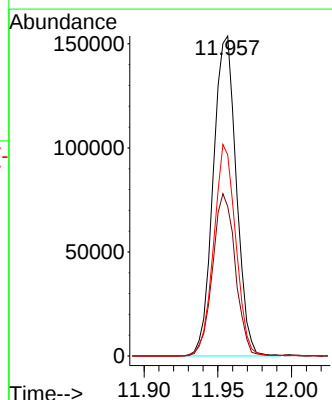
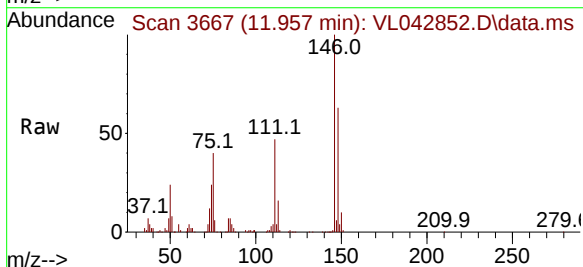
RT: 11.957 min Scan# 3667

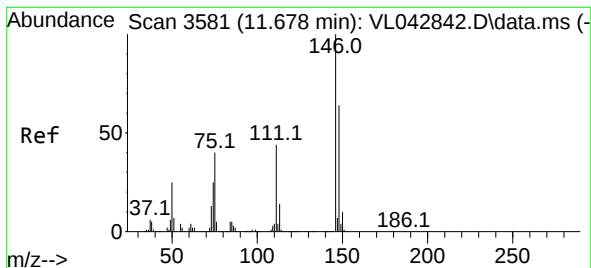
Delta R.T. 0.343 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Tgt Ion:	146	Resp:	167278
Ion	Ratio	Lower	Upper
146	100		
111	50.2	23.9	71.7
148	63.2	31.4	94.0





#76

1,4-Dichlorobenzene

Concen: 5.803 ppbv

RT: 11.957 min Scan# 3667

Delta R.T. 0.279 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_1

ClientSampleId :

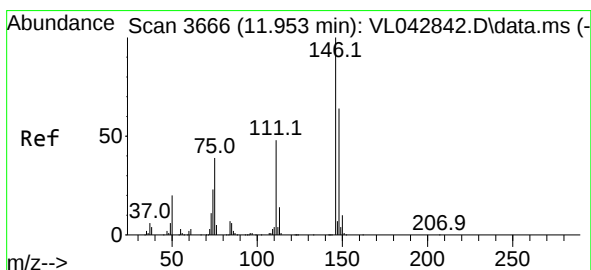
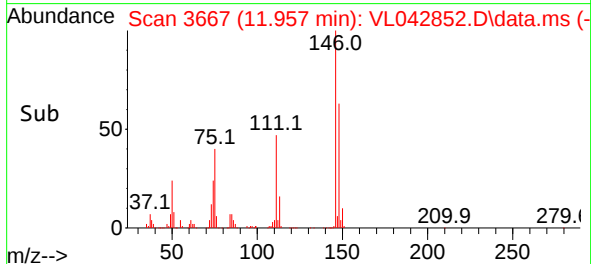
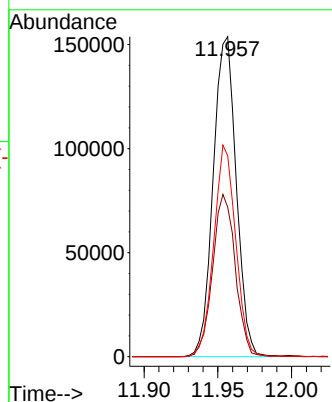
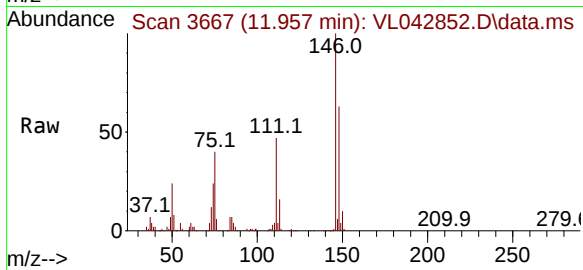
Tgt Ion:146 Resp: 167278

Ion Ratio Lower Upper

146 100

111 50.2 22.7 68.1

148 63.2 31.8 95.3



#77

1,2-Dichlorobenzene

Concen: 5.994 ppbv

RT: 11.957 min Scan# 3667

Delta R.T. 0.003 min

Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

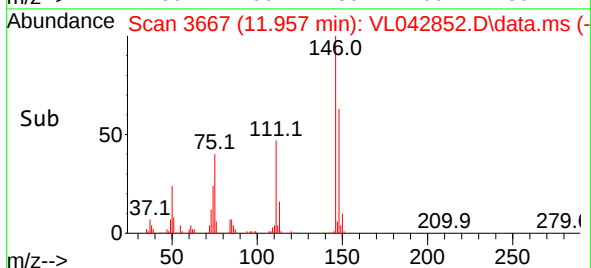
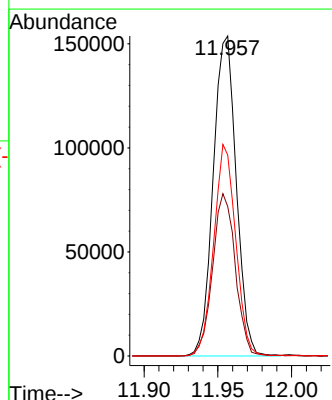
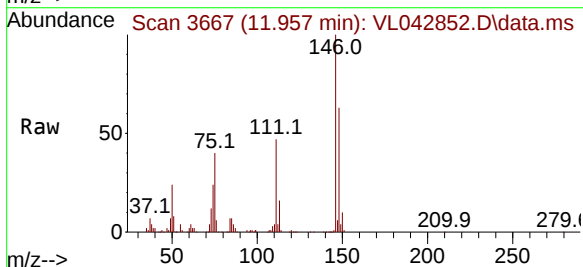
Tgt Ion:146 Resp: 167278

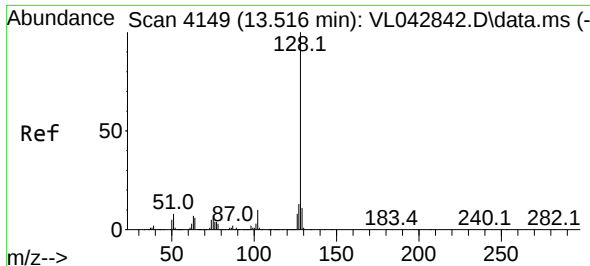
Ion Ratio Lower Upper

146 100

111 50.2 24.6 74.0

148 63.2 32.0 96.0

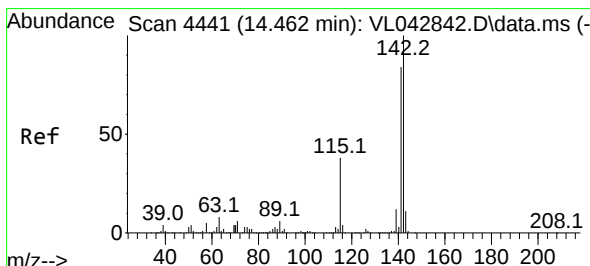
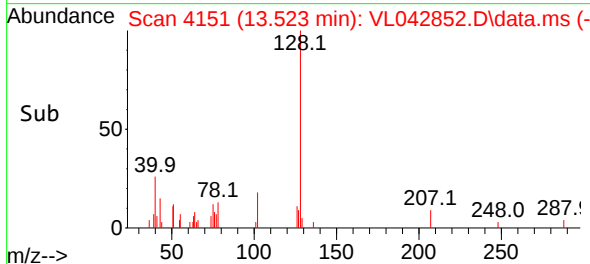
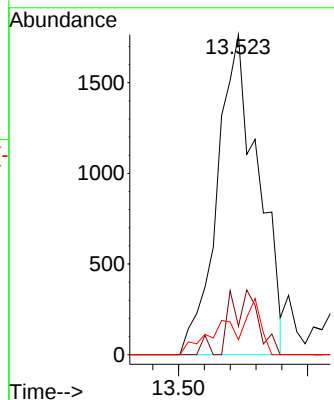
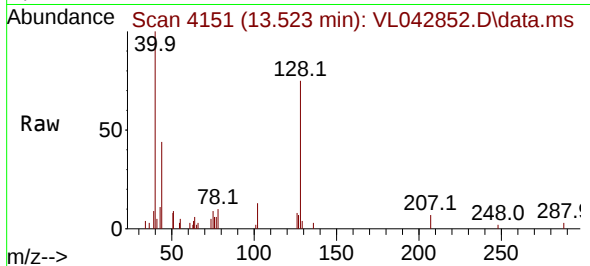




#79
Naphthalene
Concen: 0.043 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.007 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

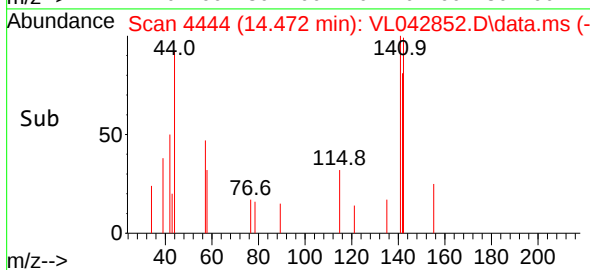
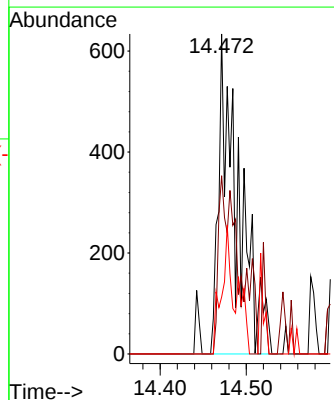
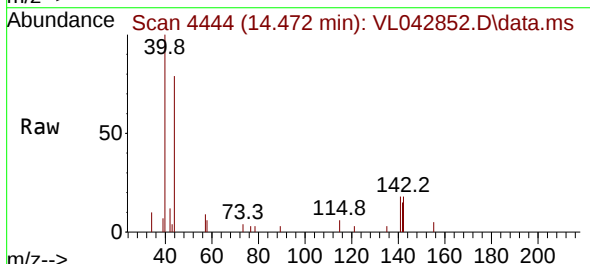
Instrument :
MSVOA_L
ClientSampleId :

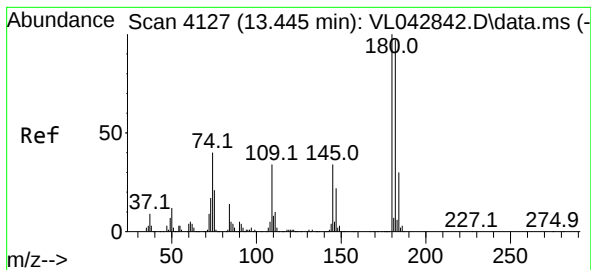
Tgt Ion:128 Resp: 1942
Ion Ratio Lower Upper
128 100
127 8.9 10.6 16.0#
129 4.6 8.9 13.3#



#80
Naphthalene,2-methyl-
Concen: 0.060 ppbv
RT: 14.472 min Scan# 4444
Delta R.T. 0.010 min
Lab File: VL042852.D
Acq: 13 Aug 2025 15:10

Tgt Ion:142 Resp: 1025
Ion Ratio Lower Upper
142 100
141 69.4 67.0 100.6
115 34.8 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 0.042 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.007 min

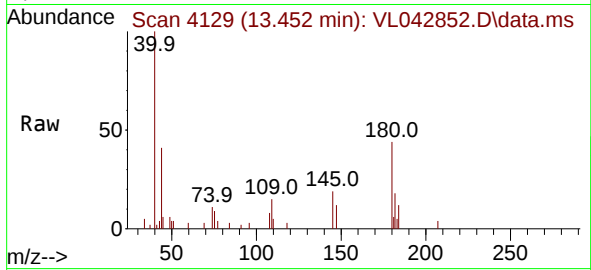
Lab File: VL042852.D

Acq: 13 Aug 2025 15:10

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 952

Ion Ratio Lower Upper

180 100

182 107.0 76.9 115.3

184 41.2 24.5 36.7#

