

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042978.D
 Acq On : 23 Sep 2025 03:33
 Operator : SY/MD
 Sample : Q3132-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 151-1A-1

Quant Time: Sep 24 01:15:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	147886	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	425027	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	381413	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	292609	10.277	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	8962	0.451	ppbv #	88
3) Chlorodifluoromethane	1.845	51	2055	0.083	ppbv	99
4) Chloromethane	1.534	50	4832	0.537	ppbv	100
6) Bromomethane	1.667	94	137	0.048	ppbv #	4
7) Chloroethane	1.703	64	138	0.044	ppbv	92
9) Propene	1.887	41	149086	13.824	ppbv	85
10) Heptane	4.985	43	11414	0.397	ppbv	93
11) Trichlorofluoromethane	1.881	101	9406	0.490	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	952	0.061	ppbv	86
13) Ethanol	1.722	45	474338	453.376	ppbv	96
15) Acetone	1.835	43	369644	19.191	ppbv	91
16) 1,3-Butadiene	1.622	39	6854	0.754	ppbv #	22
17) tert-Butyl alcohol	1.887	59	62498	2.958	ppbv	96
19) Isopropyl Alcohol	1.887	45	1467264	126.716	ppbv #	37
20) Methylene Chloride	2.065	84	29189	4.730	ppbv	94
21) Allyl Chloride	2.081	41	2434	0.181	ppbv #	24
23) Vinyl Acetate	2.476	43	46112	1.676	ppbv #	41
25) Ethyl Acetate	2.839	43	73155	1.503	ppbv	96
26) Hexane	2.829	57	42948	1.935	ppbv #	78
27) Carbon Disulfide	2.149	76	879	0.044	ppbv #	1
29) Chloroform	2.852	83	30052	1.036	ppbv	98
30) Cyclohexane	3.858	84	2918	0.157	ppbv #	1
34) 2-Butanone	2.560	43	20748	0.697	ppbv	98
35) Carbon Tetrachloride	3.764	117	1258	0.045	ppbv #	49
36) Benzene	3.661	78	21071	0.528	ppbv #	94
37) 1,2-Dichloroethane	3.217	62	4072	0.194	ppbv	98
39) 1,2-Dichloropropane	3.962	63	108493	7.446	ppbv #	24
41) Tetrahydrofuran	3.065	42	962	0.056	ppbv #	63
44) 2,2,4-Trimethylpentane	4.645	57	11312	0.164	ppbv #	6
53) Toluene	6.933	91	55807	1.181	ppbv #	57
58) Ethyl Benzene	9.357	91	18057	0.288	ppbv	99
59) m/p-Xylene	9.532	91	55110	1.116	ppbv #	100
60) o-Xylene	9.966	91	18333	0.371	ppbv	96
61) Styrene	9.878	104	1617	0.069	ppbv #	2
64) n-propylbenzene	10.989	120	766	0.040	ppbv #	35
66) Benzyl Chloride	11.723	91	225	0.033	ppbv #	82
69) p-Isopropyltoluene	11.927	119	5159	0.067	ppbv #	91
72) 4-Ethyltoluene	11.128	105	5187	0.084	ppbv	95
73) 1,3,5-Trimethylbenzene	11.205	105	3082	0.061	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	14343	0.259	ppbv #	64
79) Naphthalene	13.516	128	3424	0.070	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	3925	0.260	ppbv #	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042978.D
Acq On : 23 Sep 2025 03:33
Operator : SY/MD
Sample : Q3132-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

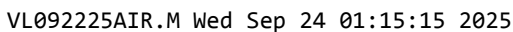
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

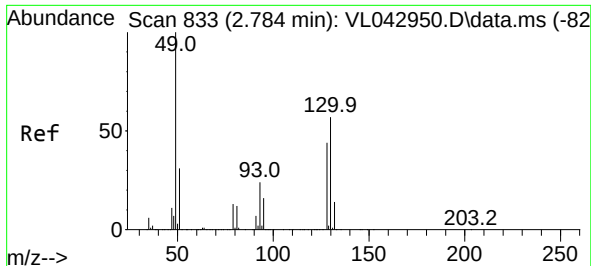
Quant Time: Sep 24 01:15:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 24 01:15:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

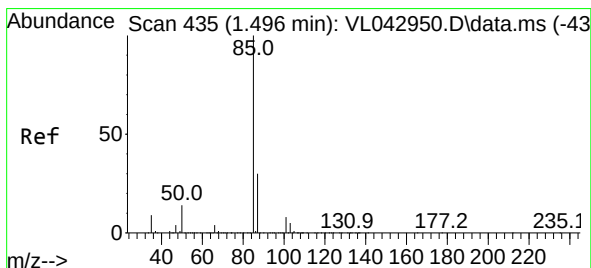
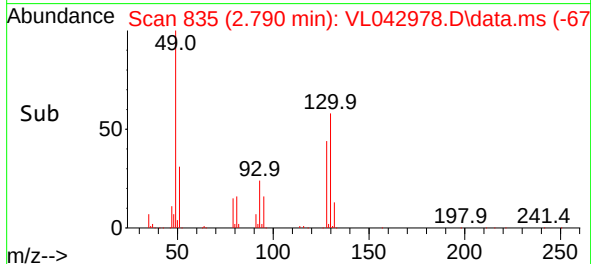
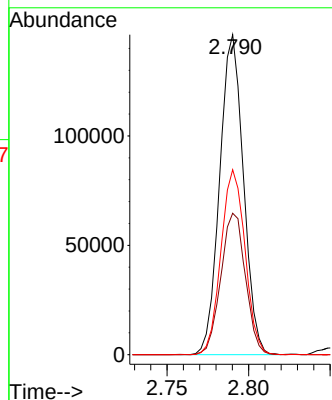
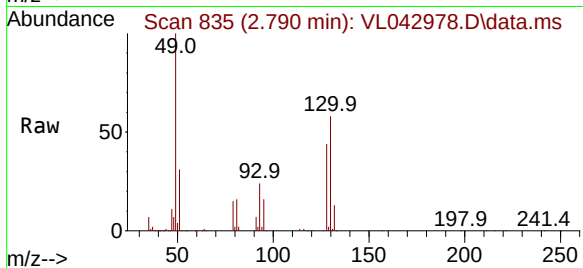




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

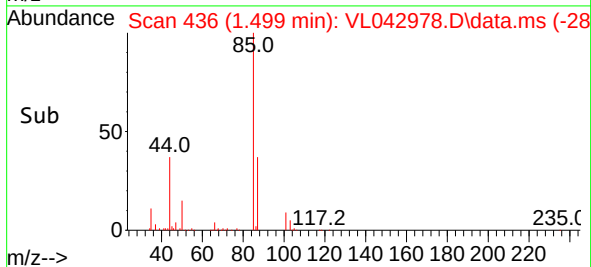
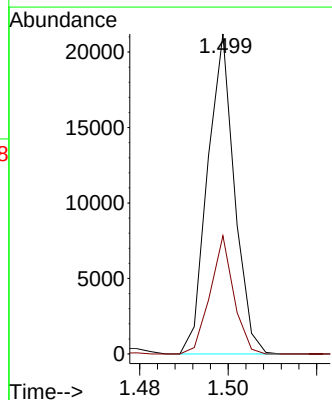
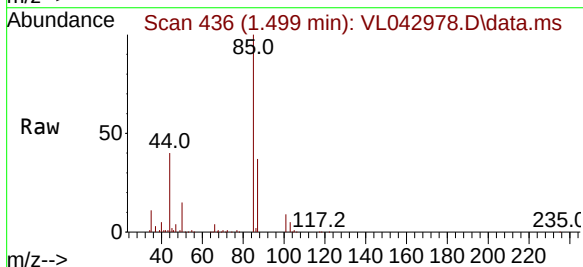
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

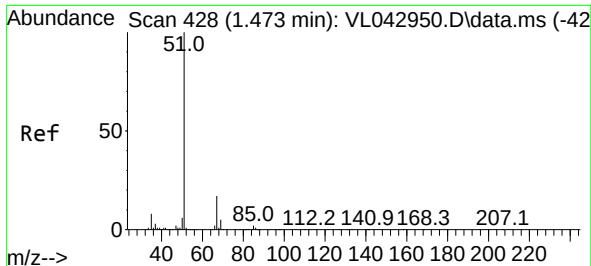
Tgt Ion: 49 Resp: 147886
Ion Ratio Lower Upper
49 100
128 45.8 22.9 68.8
130 58.7 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.451 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 85 Resp: 8962
Ion Ratio Lower Upper
85 100
87 37.0 24.3 36.5#

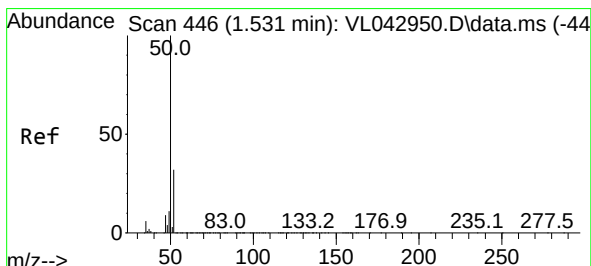
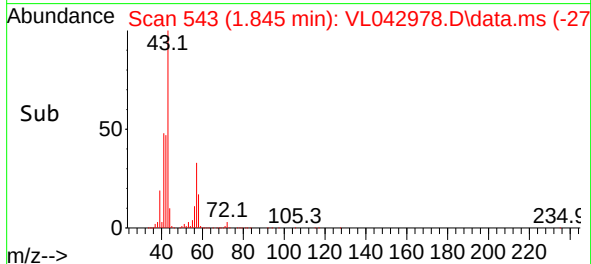
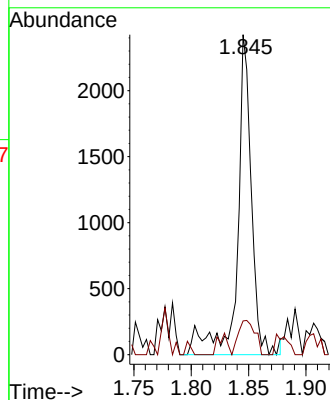
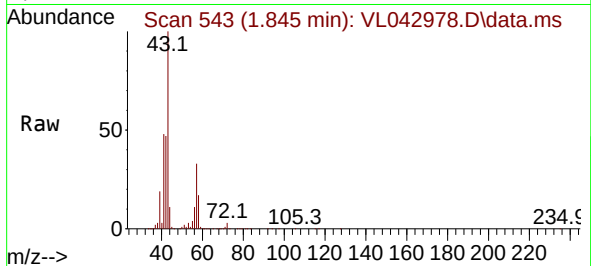




#3
Chlorodifluoromethane
Concen: 0.083 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.372 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

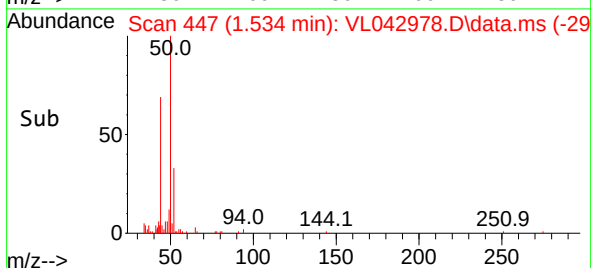
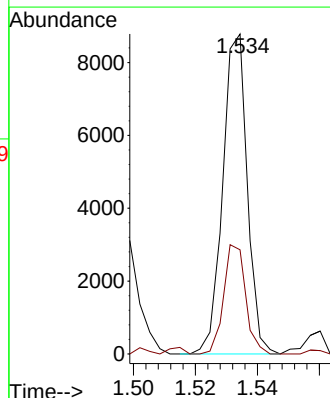
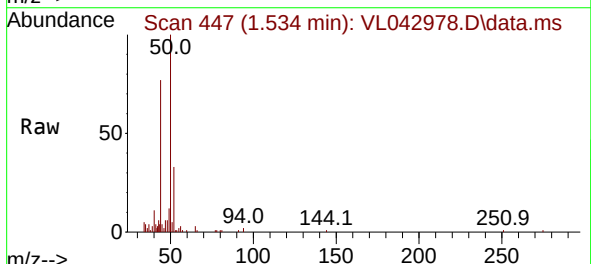
Instrument :
MSVOA_1
ClientSampleId :
151-1A-1

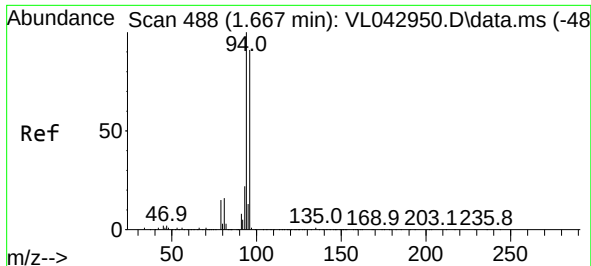
Tgt Ion: 51 Resp: 2055
Ion Ratio Lower Upper
51 100
67 17.1 13.8 20.8



#4
Chloromethane
Concen: 0.537 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 50 Resp: 4832
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

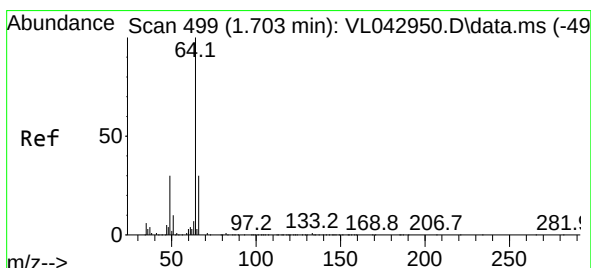
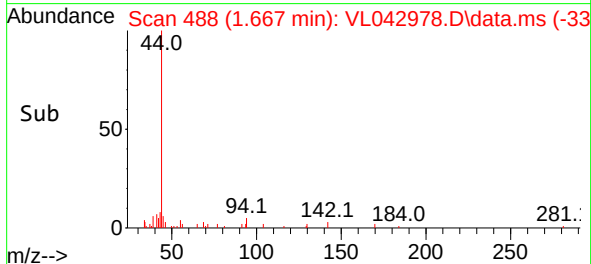
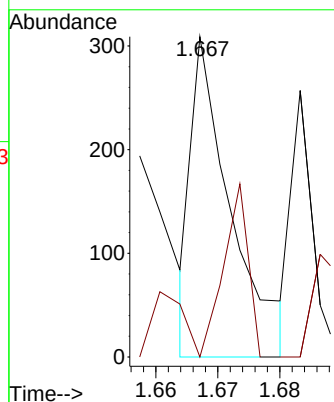
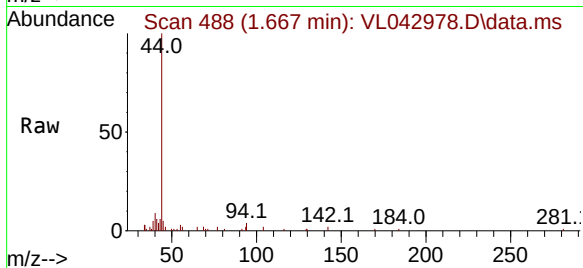




#6
Bromomethane
Concen: 0.048 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

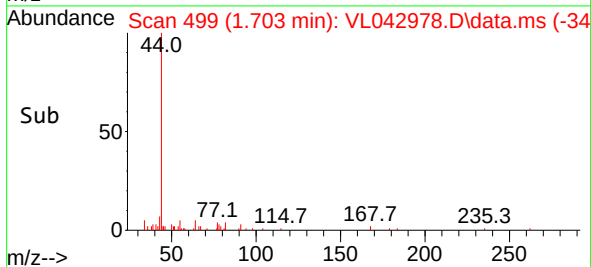
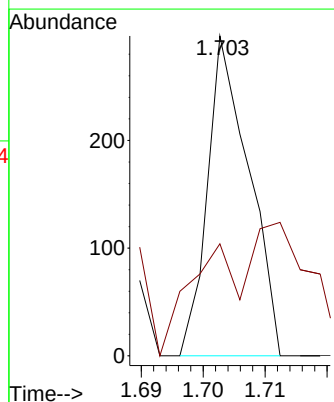
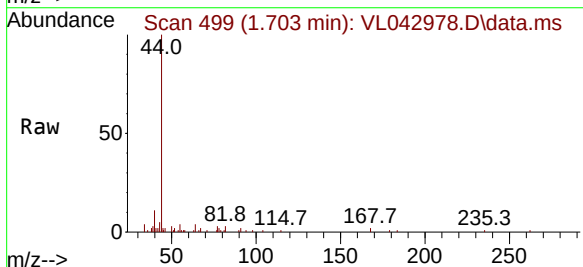
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MSVOA_1
ClientSampleId :
151-1A-1

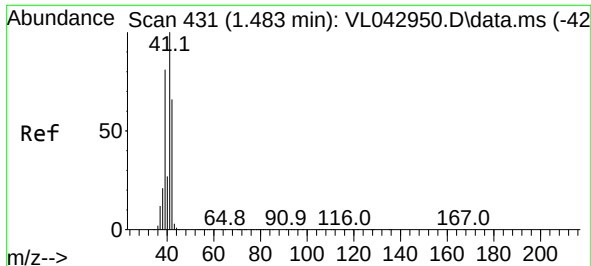
Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 0.0 72.6 108.8#



#7
Chloroethane
Concen: 0.044 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 35.0 24.6 36.8





#9

Propene

Concen: 13.824 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.404 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_L

ClientSampleId :

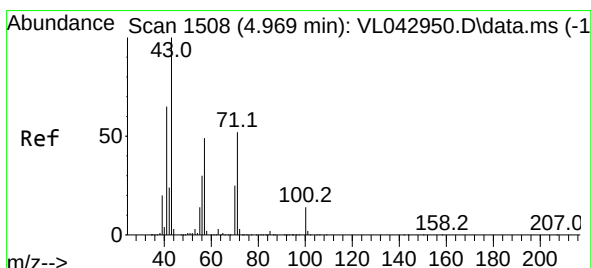
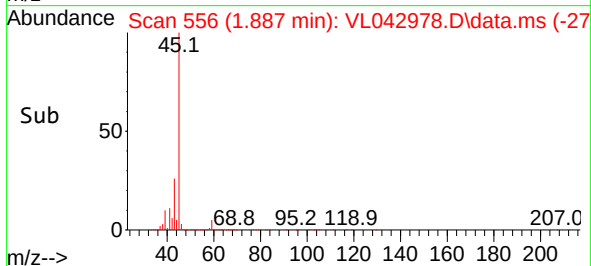
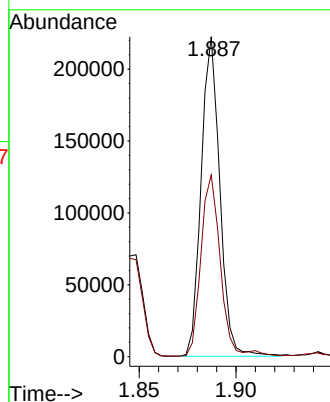
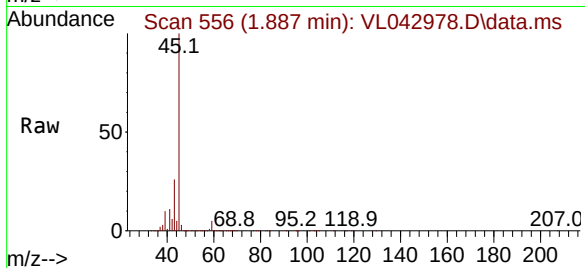
151-1A-1

Tgt Ion: 41 Resp: 149086

Ion Ratio Lower Upper

41 100

42 59.3 57.4 86.2



#10

Heptane

Concen: 0.397 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.016 min

Lab File: VL042978.D

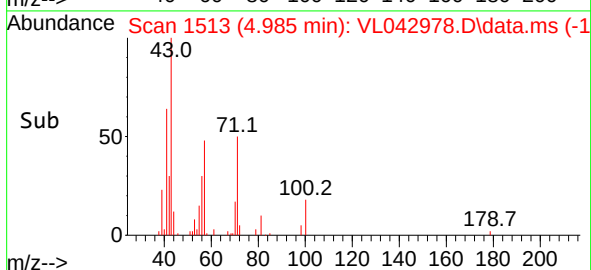
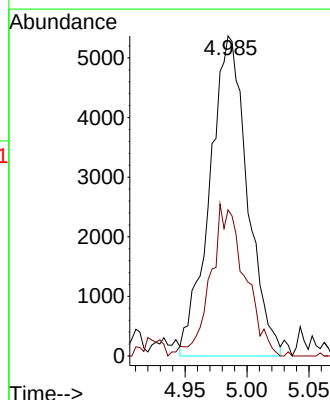
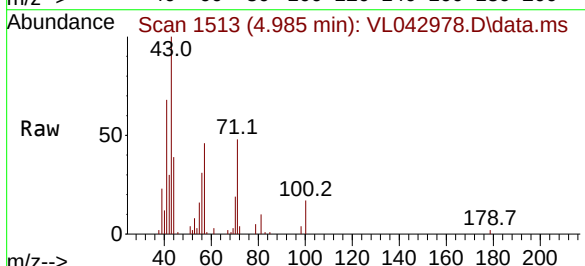
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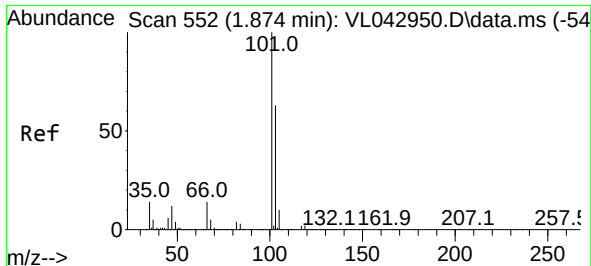
Tgt Ion: 43 Resp: 11414

Ion Ratio Lower Upper

43 100

57 43.2 38.6 57.8

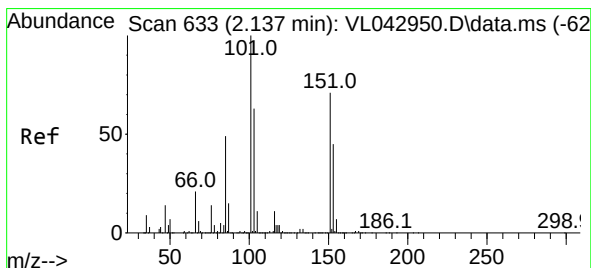
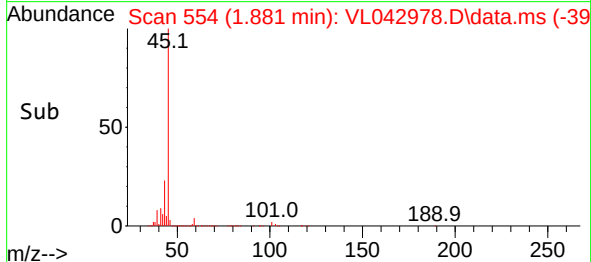
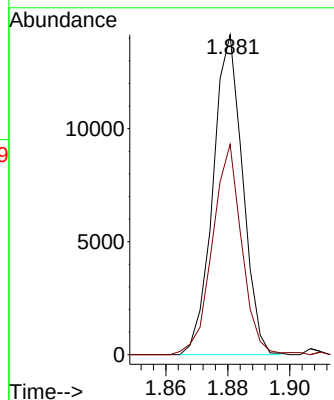
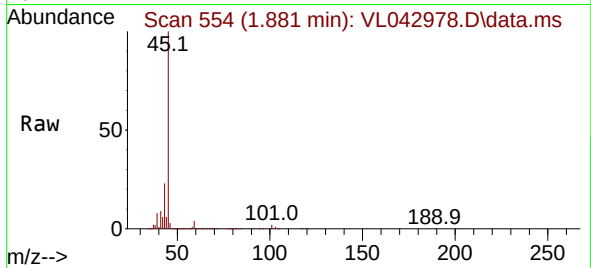




#11
 Trichlorofluoromethane
 Concen: 0.490 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

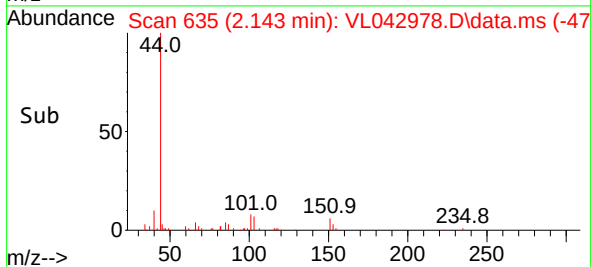
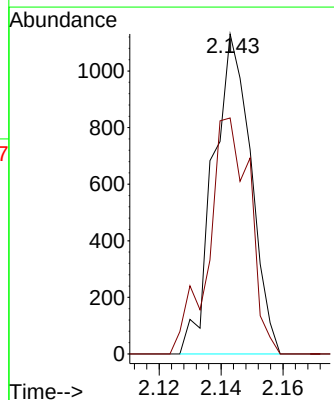
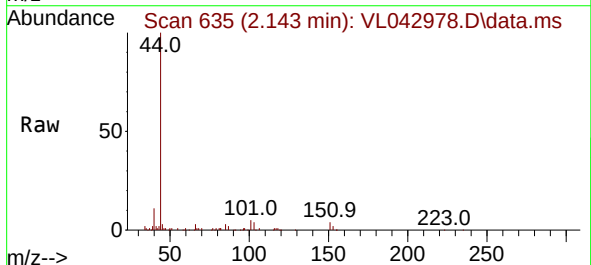
Instrument :
 MSVOA_1
 ClientSampleId :
 151-1A-1

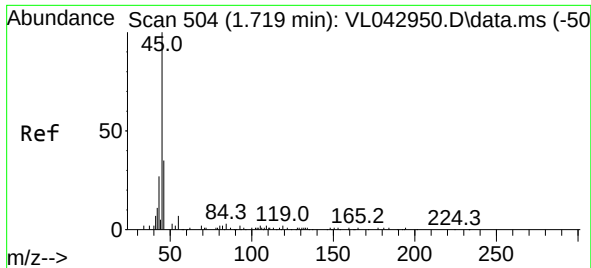
Tgt Ion:101 Resp: 9406
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.061 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

Tgt Ion:101 Resp: 952
 Ion Ratio Lower Upper
 101 100
 151 80.9 55.7 83.5





#13

Ethanol

Concen: 453.376 ppbv

RT: 1.722 min Scan# 50

Delta R.T. 0.003 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_1

ClientSampleId :

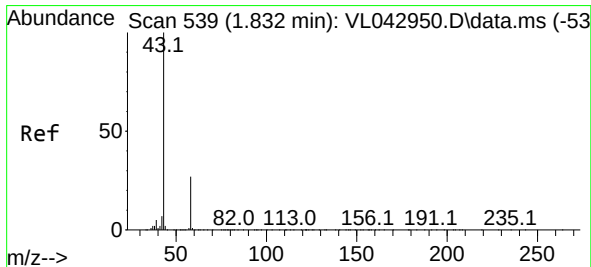
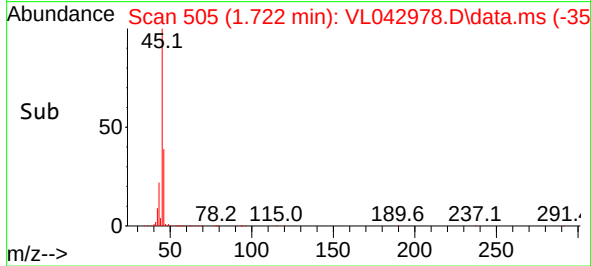
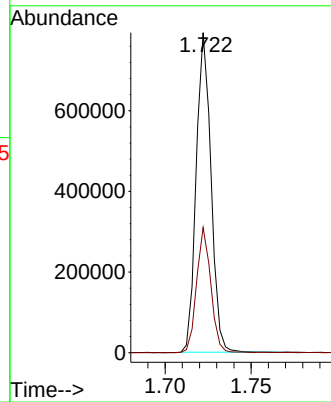
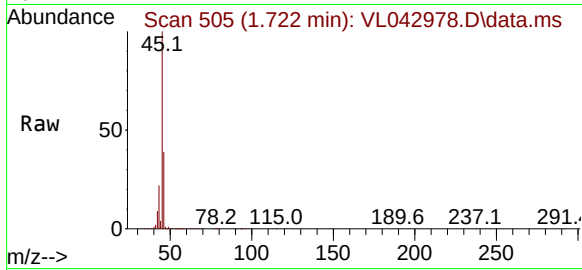
151-1A-1

Tgt Ion: 45 Resp: 474338

Ion Ratio Lower Upper

45 100

46 38.1 16.2 64.6



#15

Acetone

Concen: 19.191 ppbv

RT: 1.835 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL042978.D

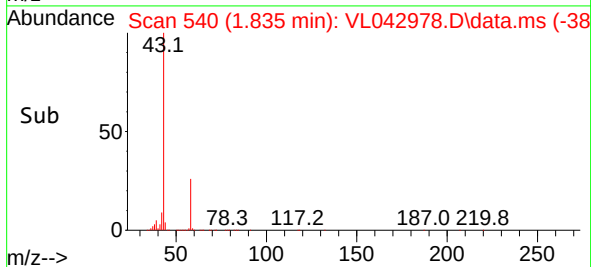
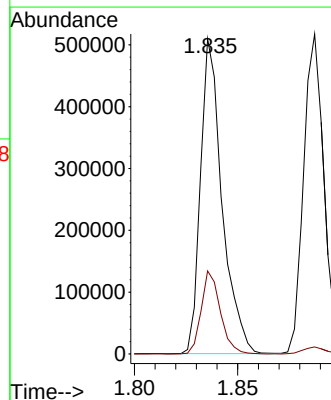
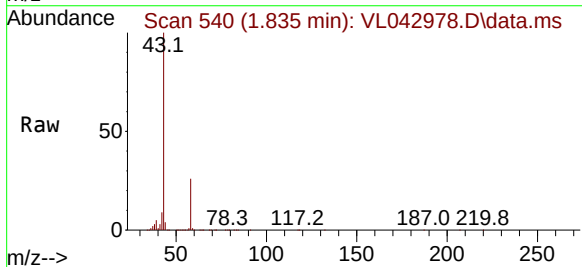
Acq: 23 Sep 2025 03:33

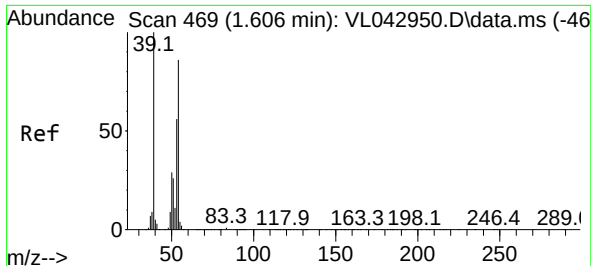
Tgt Ion: 43 Resp: 369644

Ion Ratio Lower Upper

43 100

58 23.4 22.3 33.5





#16

1,3-Butadiene

Concen: 0.754 ppbv

RT: 1.622 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_L

ClientSampleId :

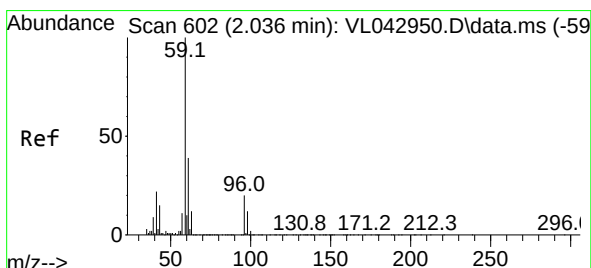
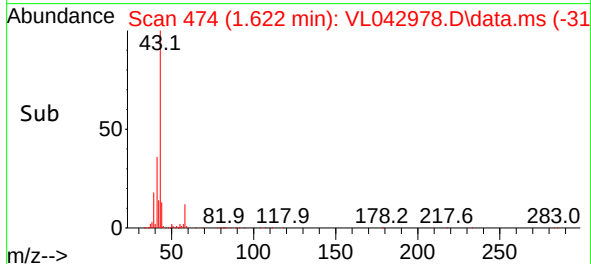
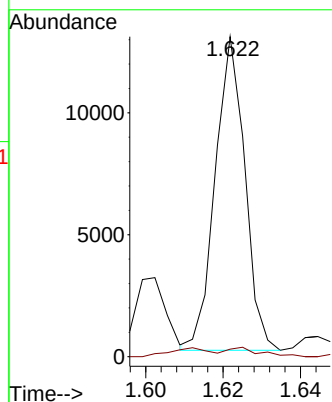
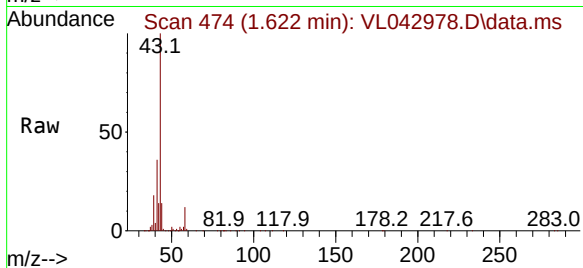
151-1A-1

Tgt Ion: 39 Resp: 6854

Ion Ratio Lower Upper

39 100

54 9.3 60.8 91.2#



#17

tert-Butyl alcohol

Concen: 2.958 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.149 min

Lab File: VL042978.D

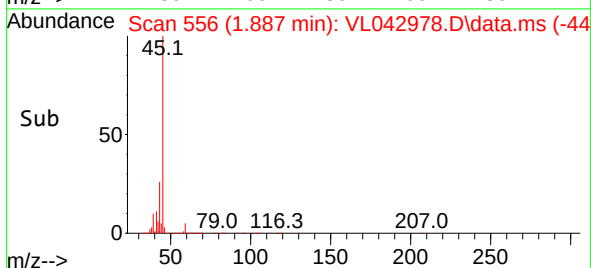
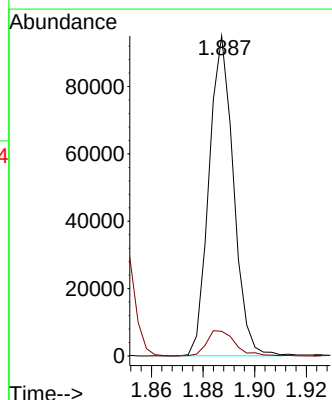
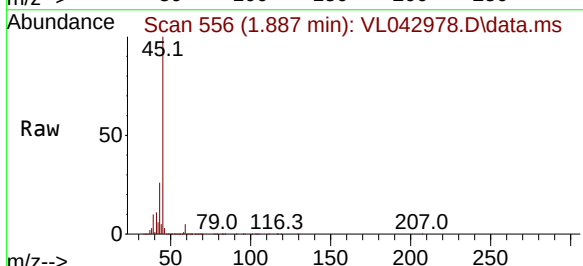
Acq: 23 Sep 2025 03:33

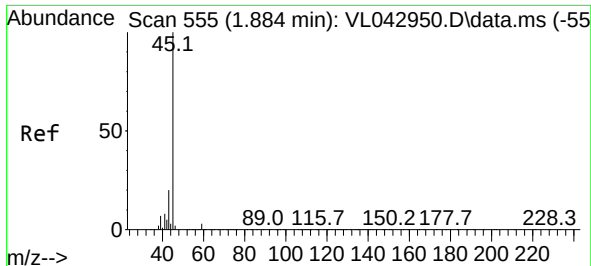
Tgt Ion: 59 Resp: 62498

Ion Ratio Lower Upper

59 100

57 9.2 8.6 12.8

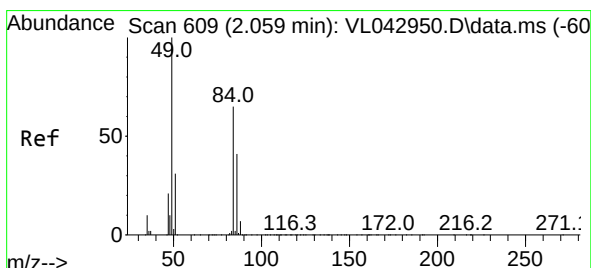
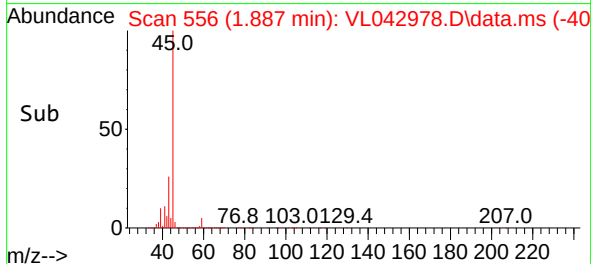
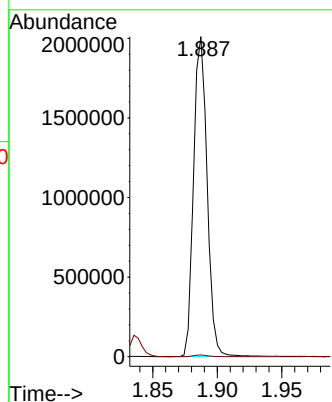
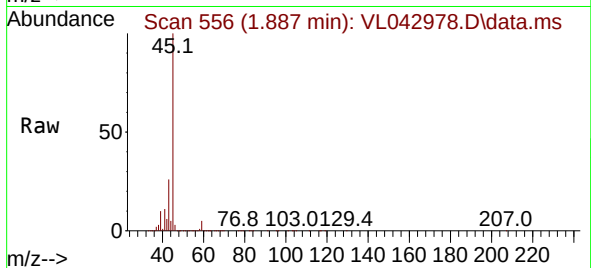




#19
Isopropyl Alcohol
Concen: 126.716 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

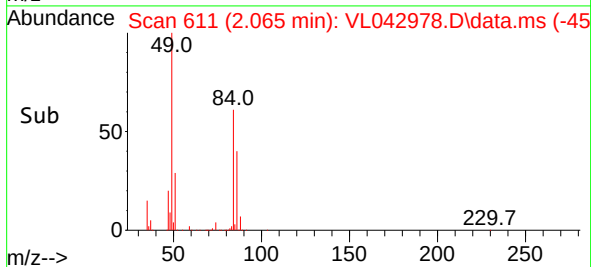
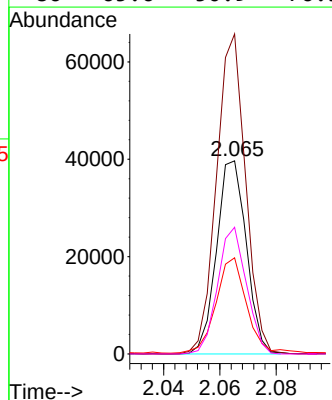
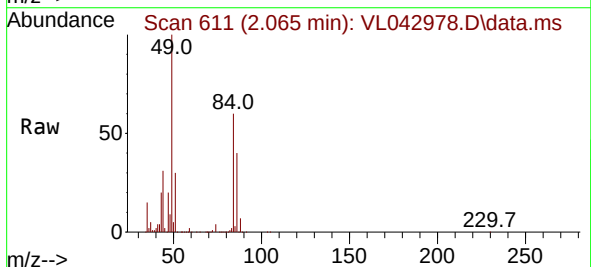
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

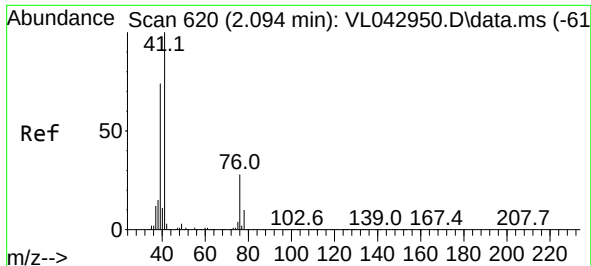
Tgt Ion: 45 Resp: 1467264
Ion Ratio Lower Upper
45 100
58 0.6 31.0 46.6#



#20
Methylene Chloride
Concen: 4.730 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 84 Resp: 29189
Ion Ratio Lower Upper
84 100
49 165.4 124.1 186.1
51 48.5 39.8 59.8
86 65.6 50.9 76.3

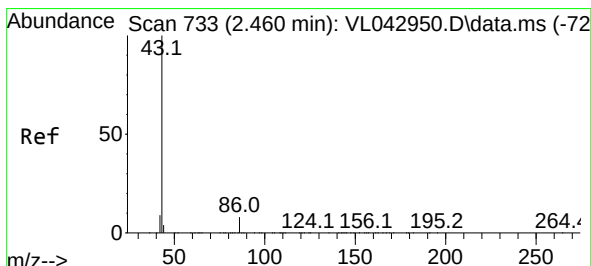
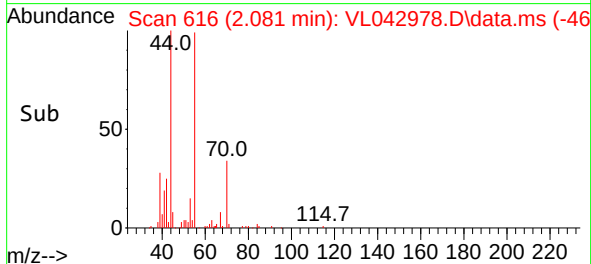
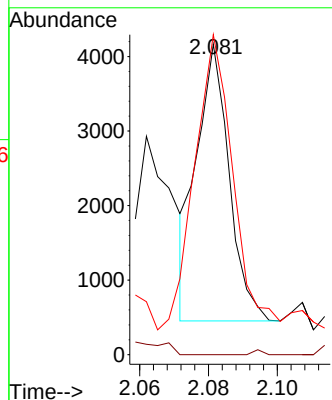
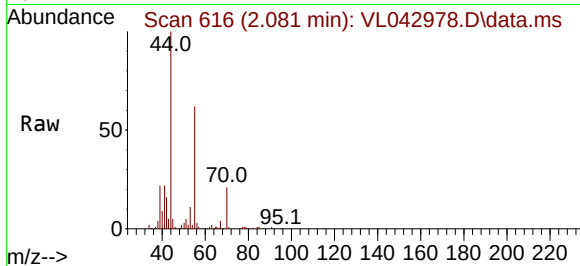




#21
 Allyl Chloride
 Concen: 0.181 ppbv
 RT: 2.081 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

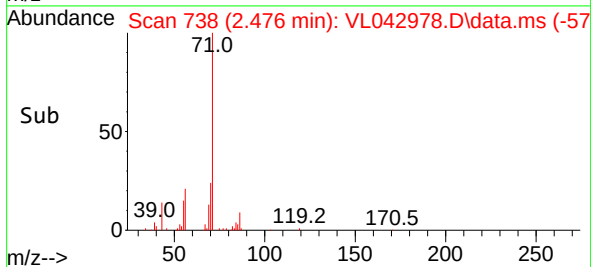
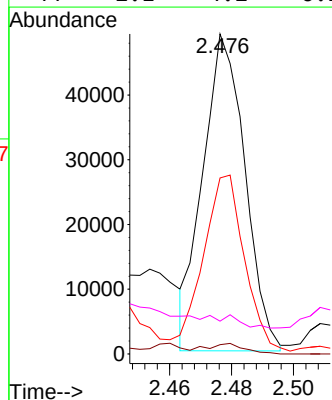
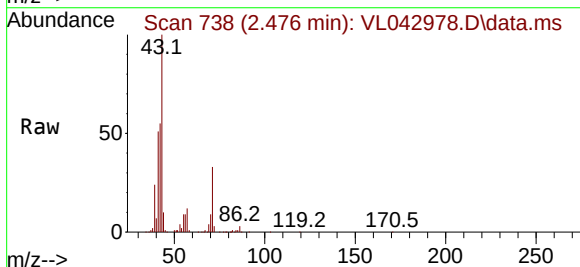
Instrument :
 MSVOA_L
 ClientSampleId :
 151-1A-1

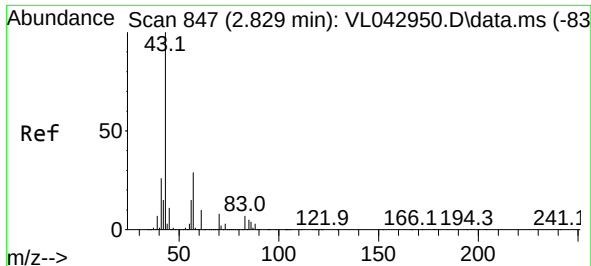
Tgt Ion: 41 Resp: 2434
 Ion Ratio Lower Upper
 41 100
 76 6.1 22.3 33.5#
 39 0.0 61.3 91.9#



#23
 Vinyl Acetate
 Concen: 1.676 ppbv
 RT: 2.476 min Scan# 738
 Delta R.T. 0.016 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

Tgt Ion: 43 Resp: 46112
 Ion Ratio Lower Upper
 43 100
 86 3.0 6.2 9.2#
 42 54.5 7.4 11.0#
 44 2.1 4.2 6.2#

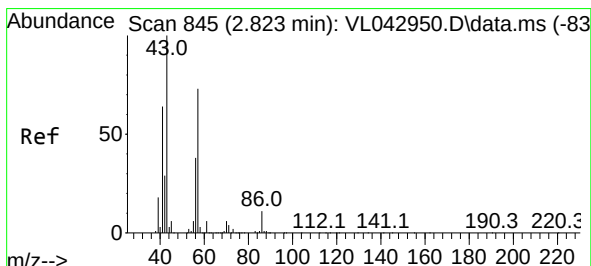
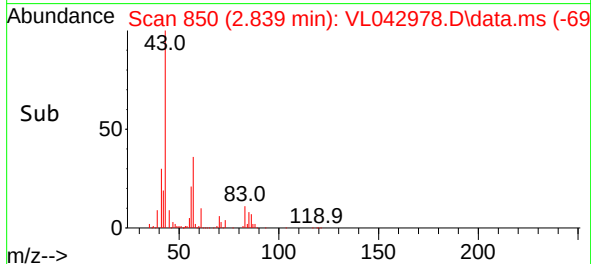
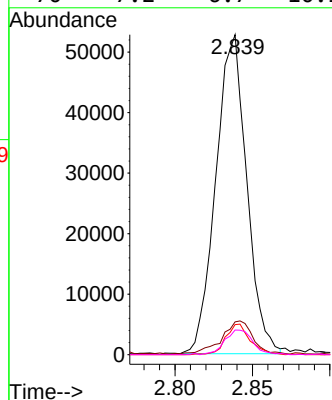
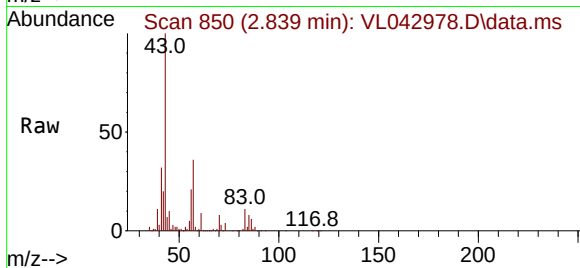




#25
Ethyl Acetate
Concen: 1.503 ppbv
RT: 2.839 min Scan# 847
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

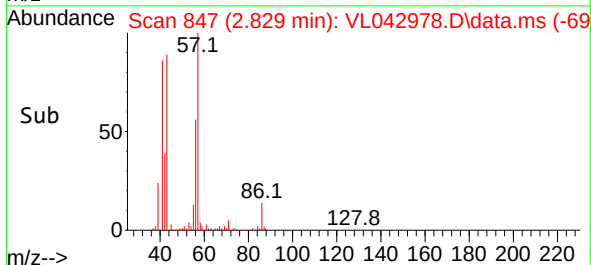
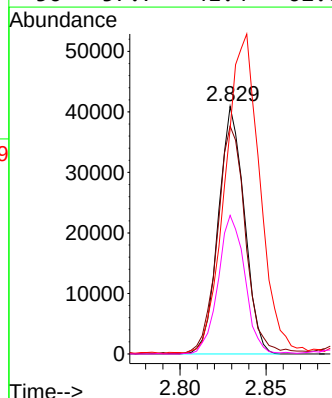
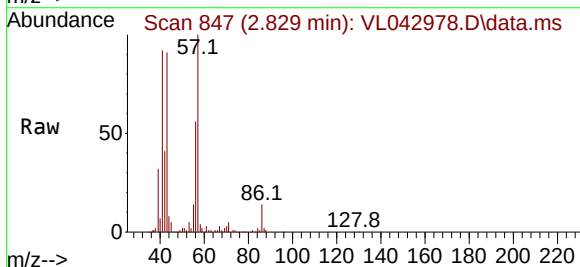
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

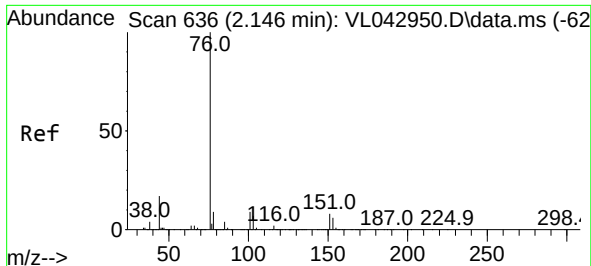
Tgt Ion: 43	Resp: 73155
Ion Ratio	Lower Upper
43 100	
45 11.4	7.7 11.5
61 7.7	7.1 10.7
70 7.2	6.7 10.1



#26
Hexane
Concen: 1.935 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 57	Resp: 42948
Ion Ratio	Lower Upper
57 100	
41 100.5	71.7 107.5
43 177.6	180.8 271.2#
56 57.7	41.4 62.0

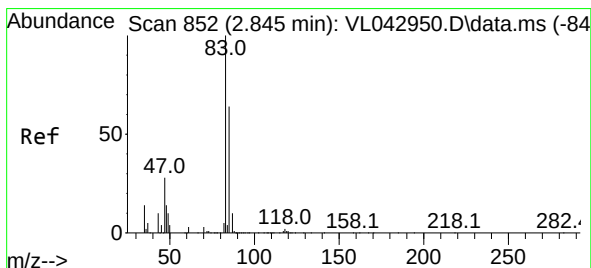
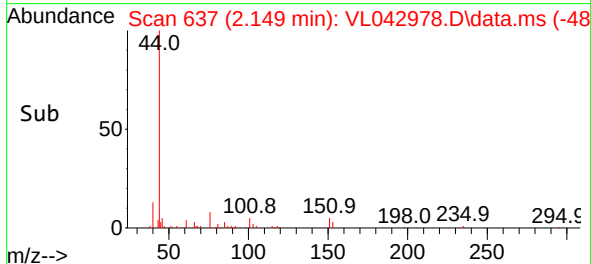
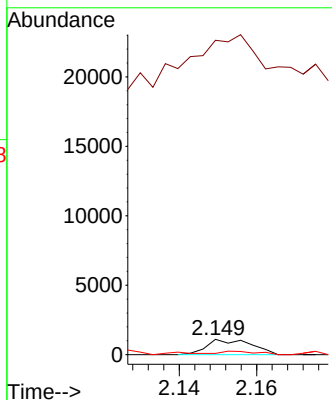
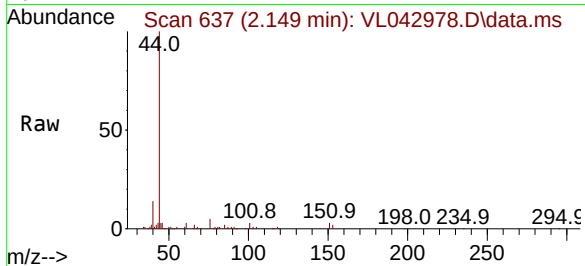




#27
Carbon Disulfide
Concen: 0.044 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

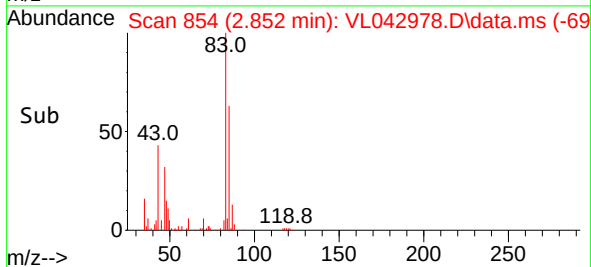
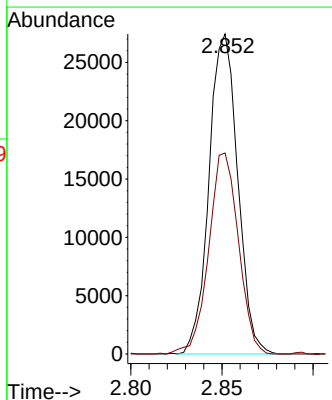
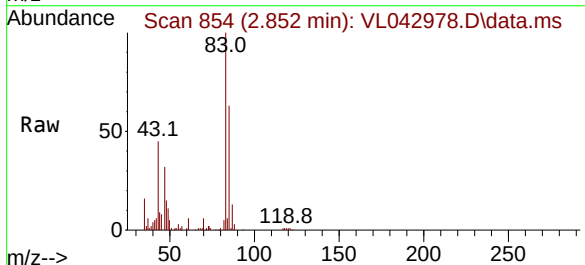
Instrument :
MSVOA_1
ClientSampleId :
151-1A-1

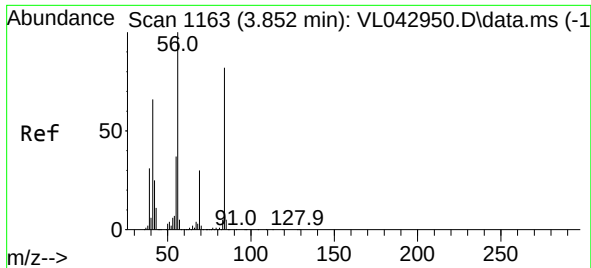
Tgt Ion: 76 Resp: 879
Ion Ratio Lower Upper
76 100
44 2737.8 15.6 23.4#
78 19.1 8.9 13.3#



#29
Chloroform
Concen: 1.036 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 83 Resp: 30052
Ion Ratio Lower Upper
83 100
85 62.8 51.2 76.8

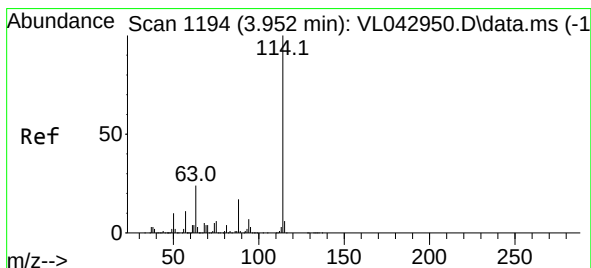
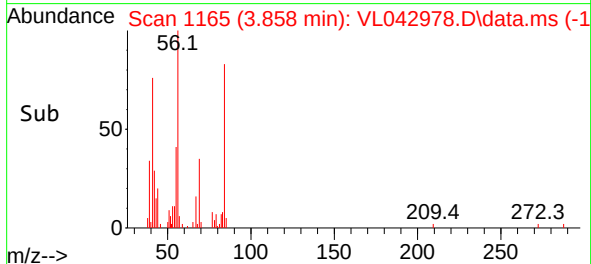
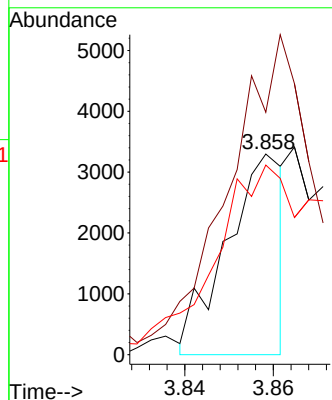
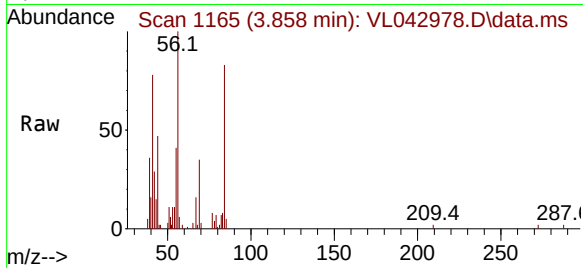




#30
Cyclohexane
Concen: 0.157 ppbv
RT: 3.858 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

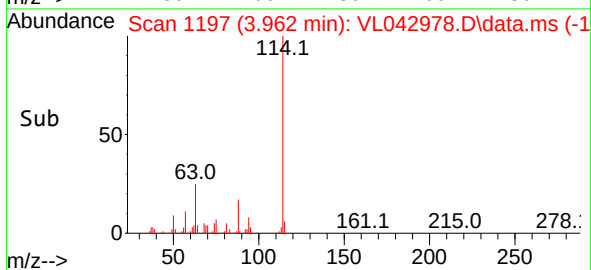
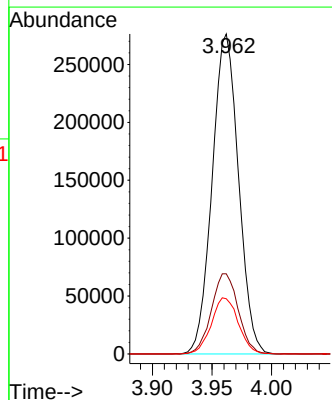
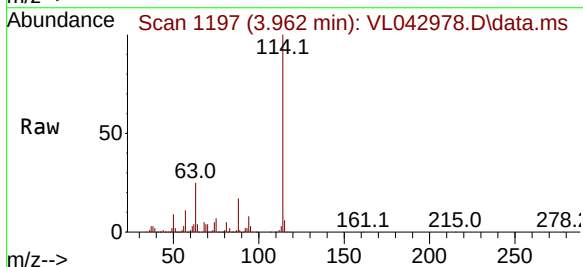
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

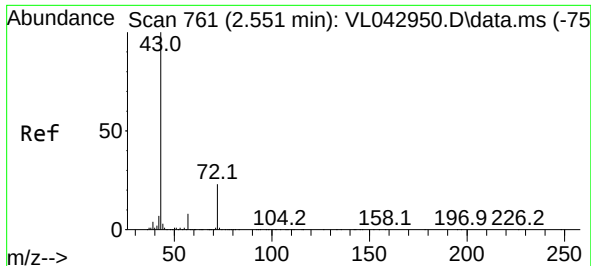
Tgt Ion: 84 Resp: 2918
Ion Ratio Lower Upper
84 100
56 282.0 102.2 153.4#
41 190.8 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 114 Resp: 425027
Ion Ratio Lower Upper
114 100
63 25.5 19.4 29.2
88 18.0 14.2 21.2

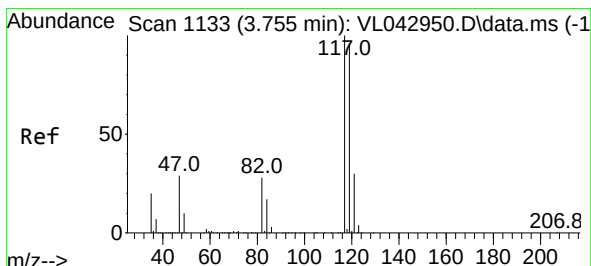
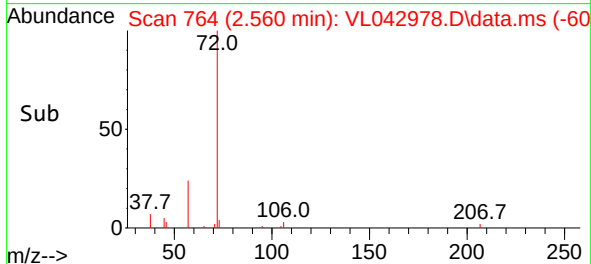
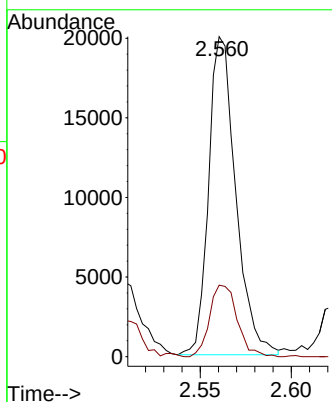
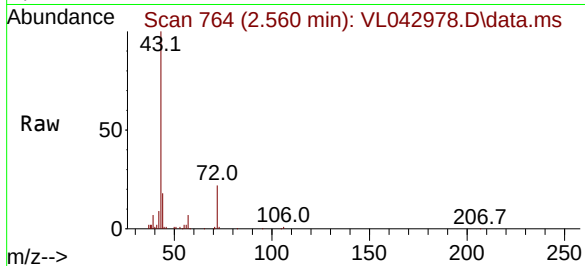




#34
2-Butanone
Concen: 0.697 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

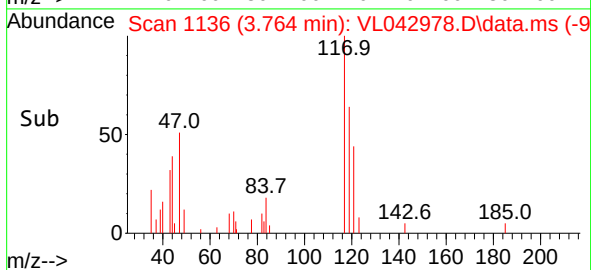
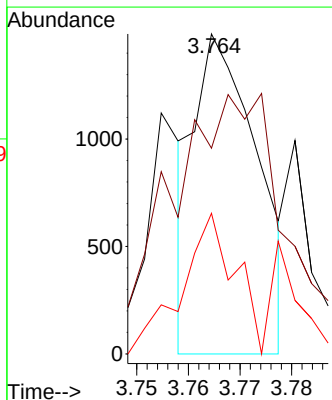
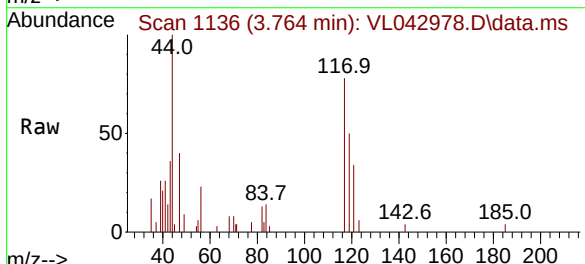
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

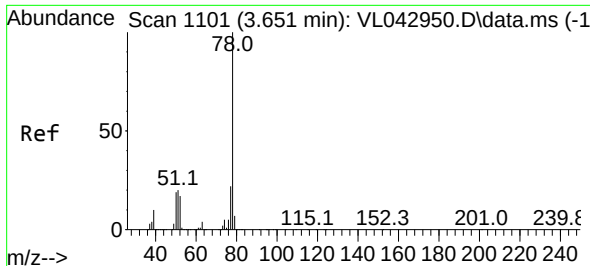
Tgt Ion: 43 Resp: 20748
Ion Ratio Lower Upper
43 100
72 22.9 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 117 Resp: 1258
Ion Ratio Lower Upper
117 100
119 43.7 76.9 115.3#
121 52.5 23.7 35.5#

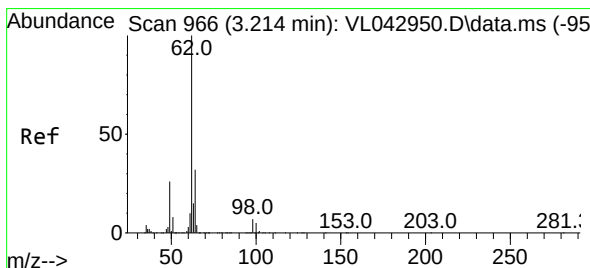
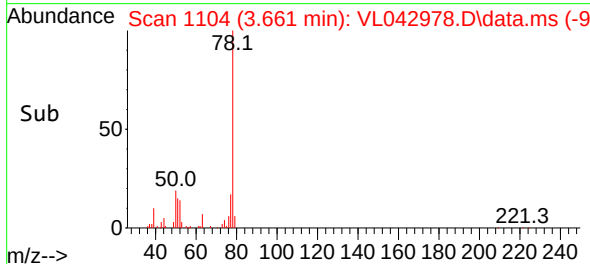
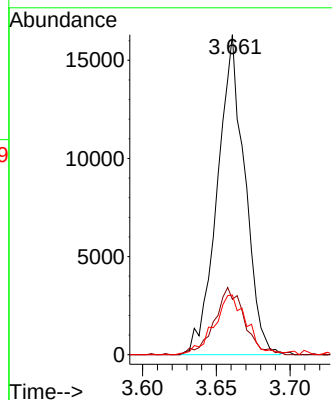
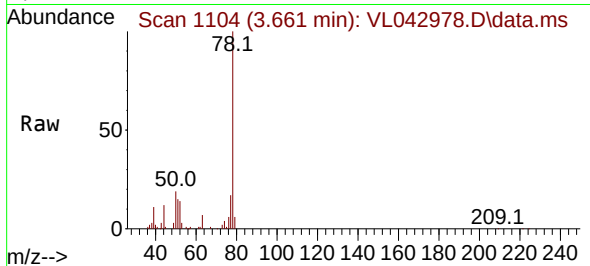




#36
Benzene
Concen: 0.528 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

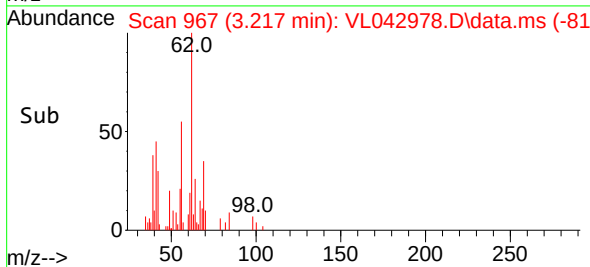
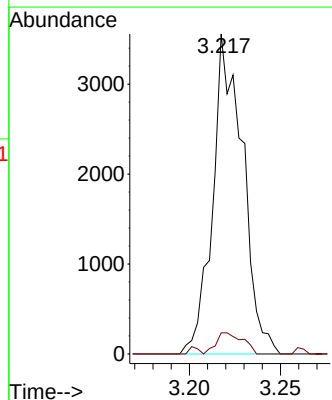
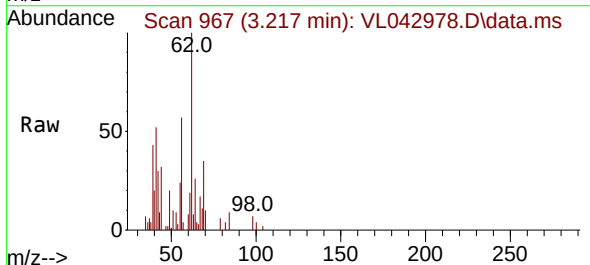
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

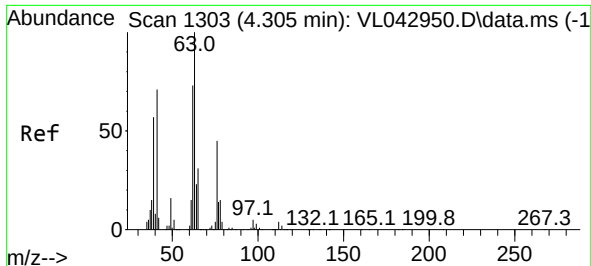
Tgt Ion: 78 Resp: 21071
Ion Ratio Lower Upper
78 100
77 17.4 17.8 26.6#
50 18.3 15.0 22.4



#37
1,2-Dichloroethane
Concen: 0.194 ppbv
RT: 3.217 min Scan# 967
Delta R.T. 0.003 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 62 Resp: 4072
Ion Ratio Lower Upper
62 100
98 6.6 5.9 8.9





#39

1,2-Dichloropropane

Concen: 7.446 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_L

ClientSampleId :

151-1A-1

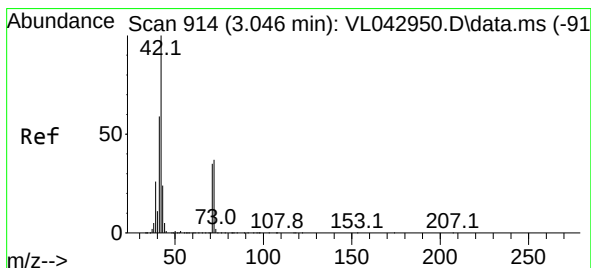
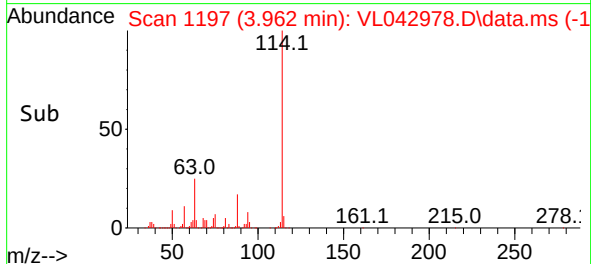
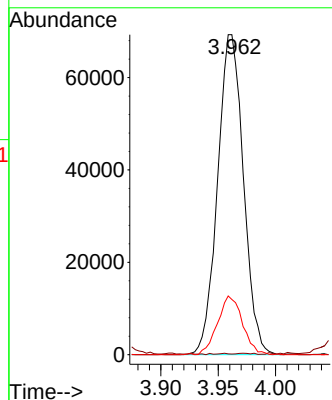
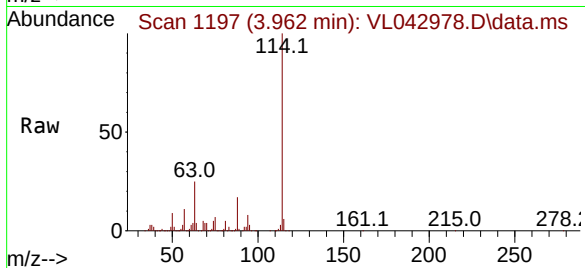
Tgt Ion: 63 Resp: 108493

Ion Ratio Lower Upper

63 100

41 0.0 57.5 86.3#

62 17.2 58.5 87.7#



#41

Tetrahydrofuran

Concen: 0.056 ppbv

RT: 3.065 min Scan# 920

Delta R.T. 0.019 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

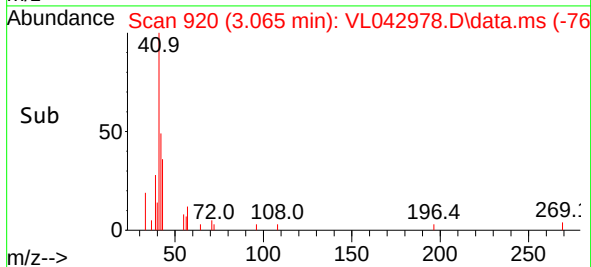
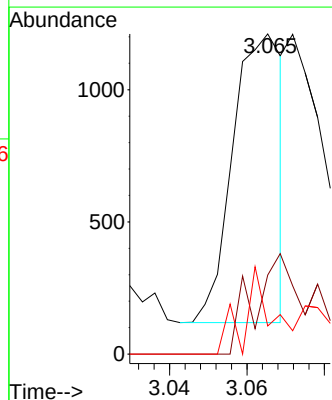
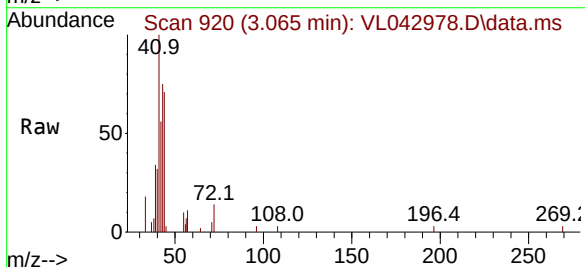
Tgt Ion: 42 Resp: 962

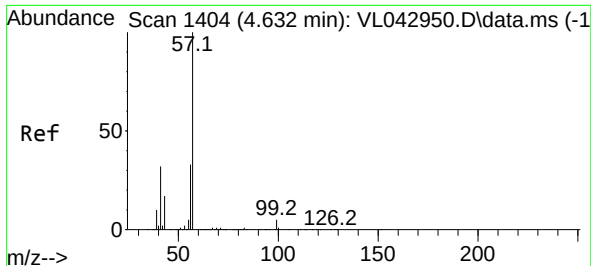
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

71 29.8 28.8 43.2





#44

2,2,4-Trimethylpentane

Concen: 0.164 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.013 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_L

ClientSampleId :

151-1A-1

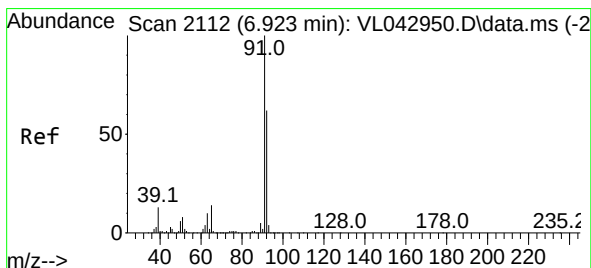
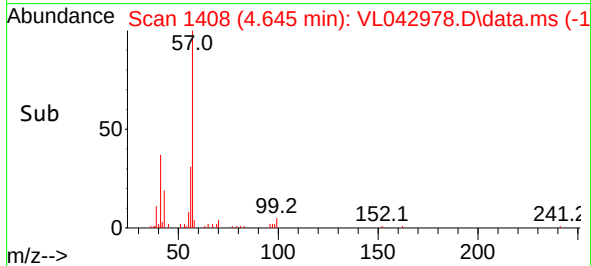
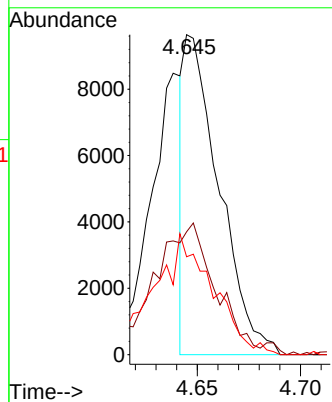
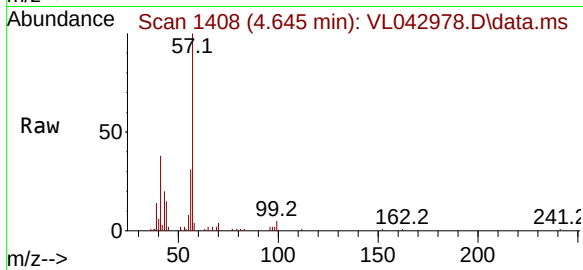
Tgt Ion: 57 Resp: 11312

Ion Ratio Lower Upper

57 100

41 89.9 25.5 38.3#

56 79.0 25.8 38.8#



#53

Toluene

Concen: 1.181 ppbv

RT: 6.933 min Scan# 2115

Delta R.T. 0.010 min

Lab File: VL042978.D

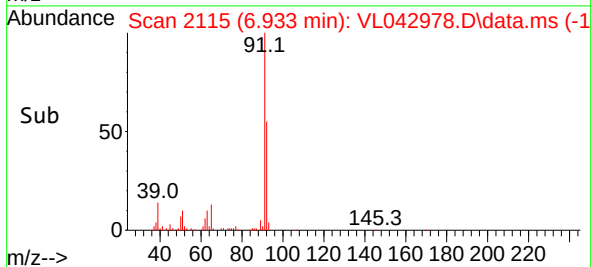
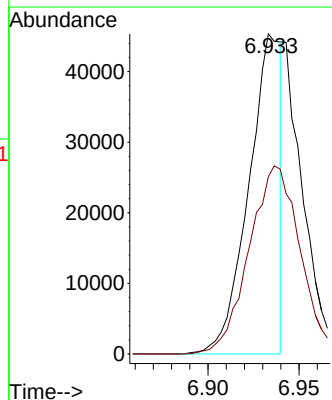
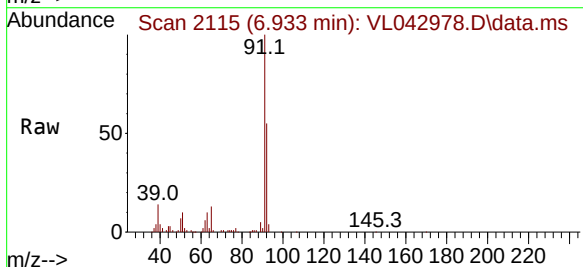
Acq: 23 Sep 2025 03:33

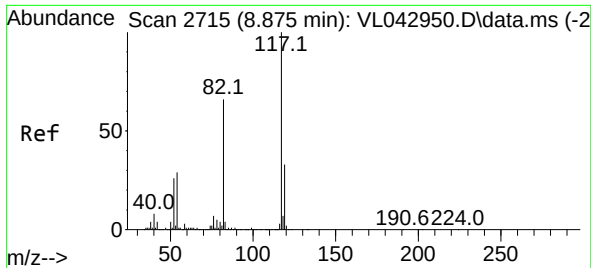
Tgt Ion: 91 Resp: 55807

Ion Ratio Lower Upper

91 100

92 92.6 48.2 72.2#

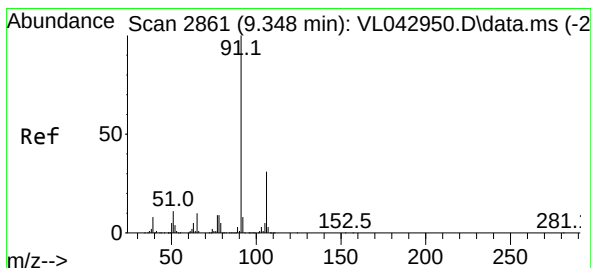
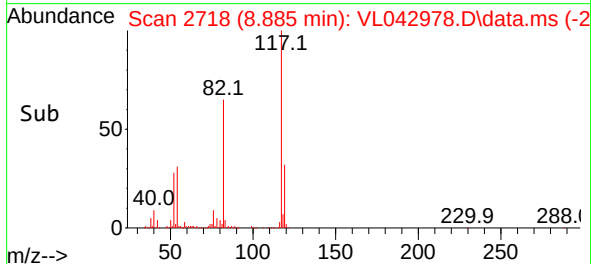
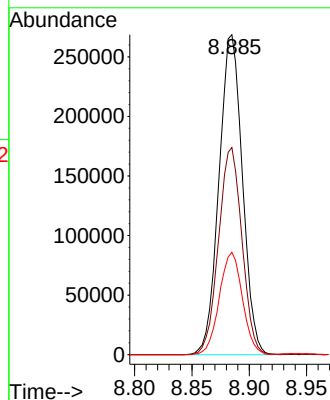
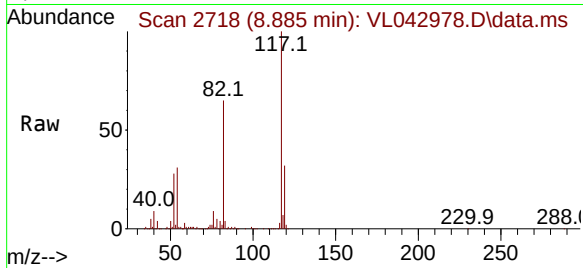




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

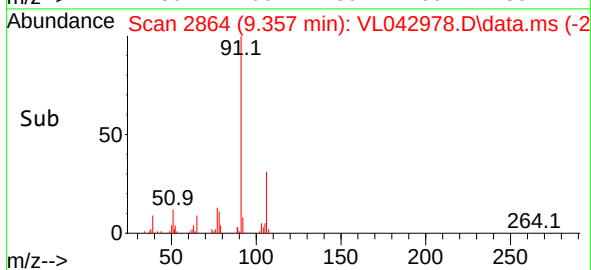
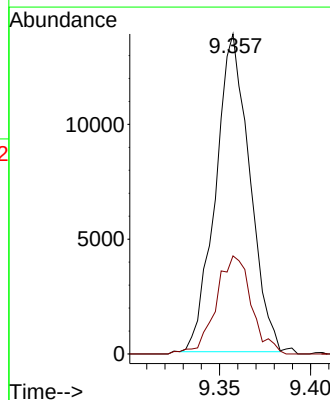
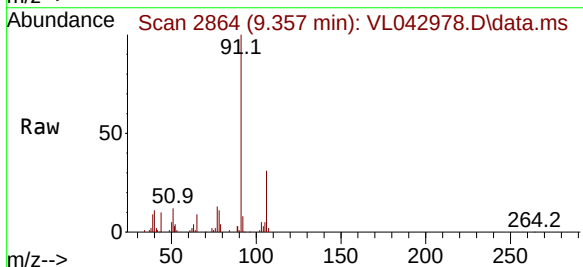
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

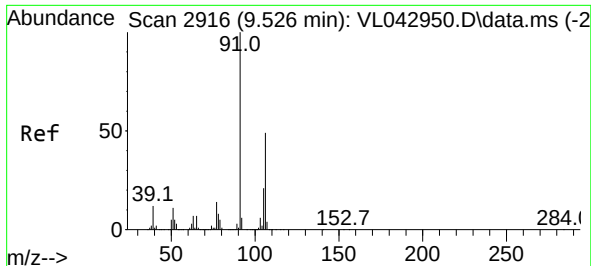
Tgt Ion:117 Resp: 381413
Ion Ratio Lower Upper
117 100
82 64.8 52.8 79.2
119 31.7 26.5 39.7



#58
Ethyl Benzene
Concen: 0.288 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 91 Resp: 18057
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0





#59

m/p-Xylene

Concen: 1.116 ppbv

RT: 9.532 min Scan# 2916

Delta R.T. 0.006 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_L

ClientSampleId :

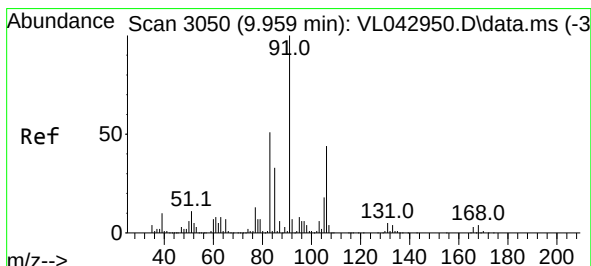
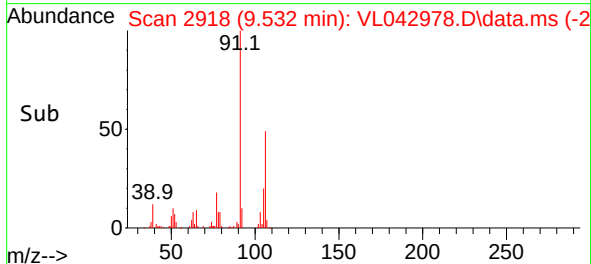
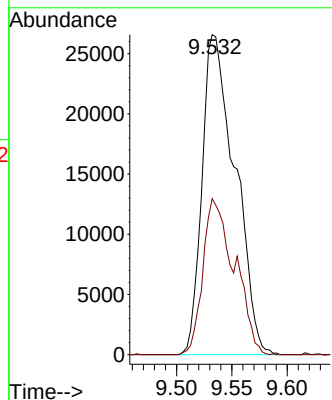
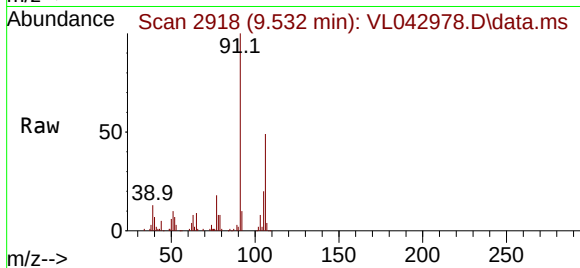
151-1A-1

Tgt Ion: 91 Resp: 55110

Ion Ratio Lower Upper

91 100

106 46.7 0.0 0.0#



#60

o-Xylene

Concen: 0.371 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042978.D

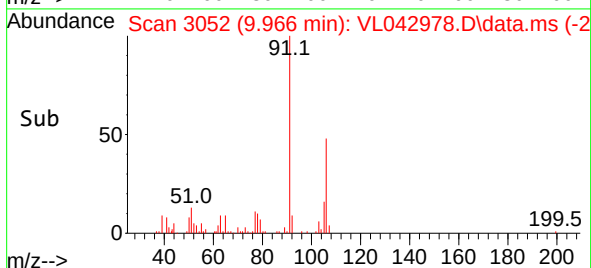
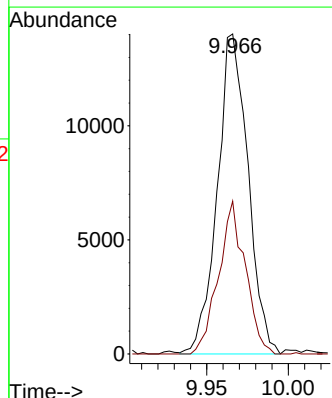
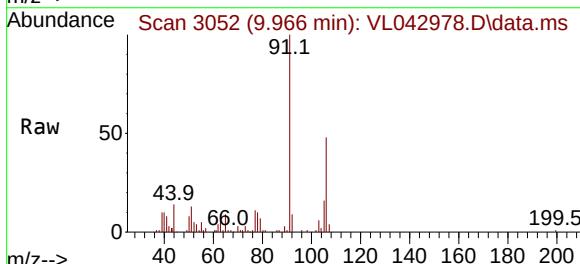
Acq: 23 Sep 2025 03:33

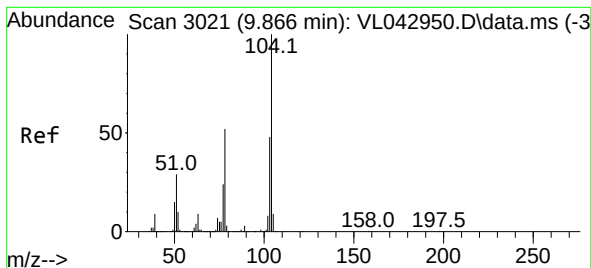
Tgt Ion: 91 Resp: 18333

Ion Ratio Lower Upper

91 100

106 41.8 22.4 67.0





#61

Styrene

Concen: 0.069 ppbv

RT: 9.878 min Scan# 3021

Delta R.T. 0.013 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_1

ClientSampleId :

151-1A-1

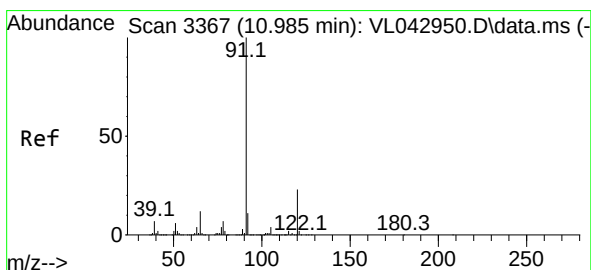
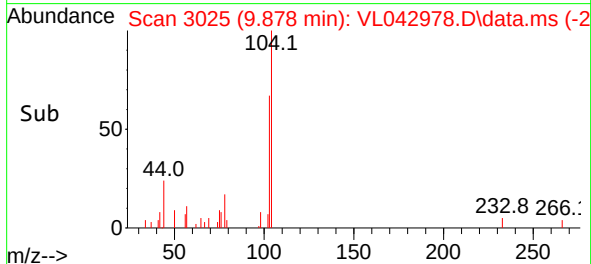
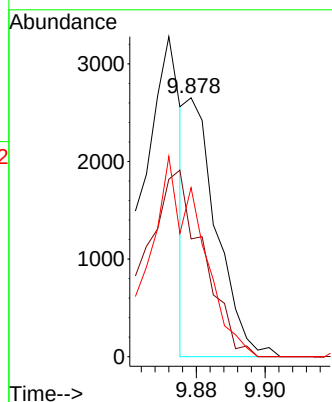
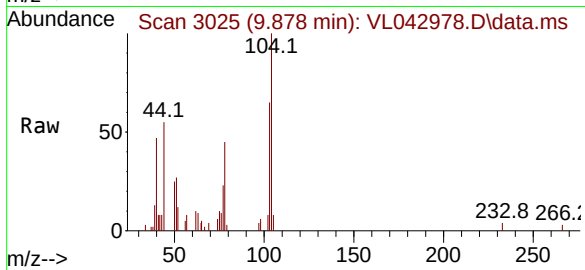
Tgt Ion:104 Resp: 1617

Ion Ratio Lower Upper

104 100

78 135.9 39.9 59.9#

103 0.0 36.9 55.3#



#64

n-propylbenzene

Concen: 0.040 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.003 min

Lab File: VL042978.D

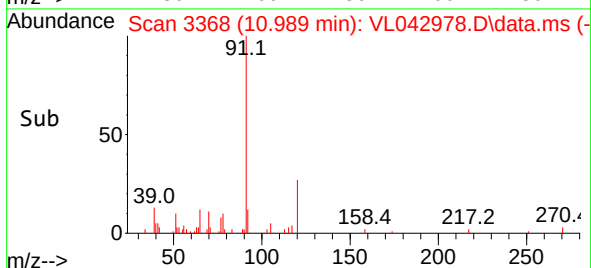
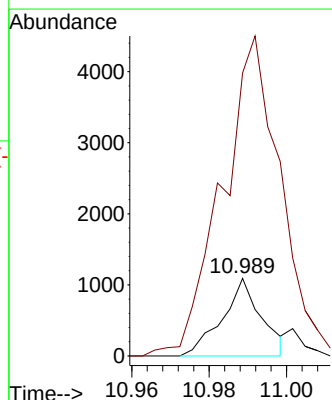
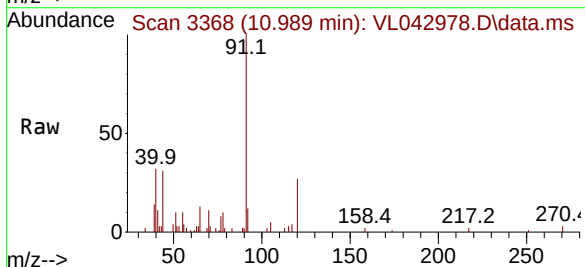
Acq: 23 Sep 2025 03:33

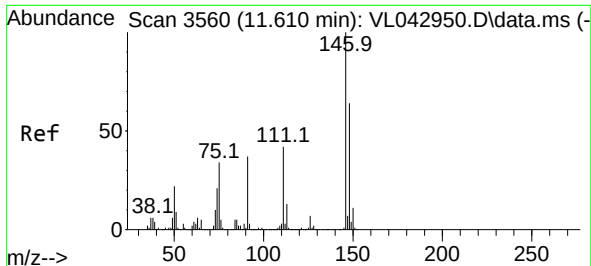
Tgt Ion:120 Resp: 766

Ion Ratio Lower Upper

120 100

91 624.2 364.9 547.3#

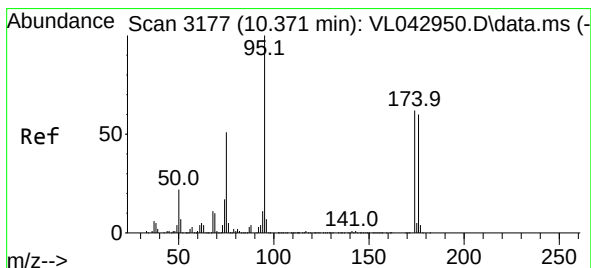
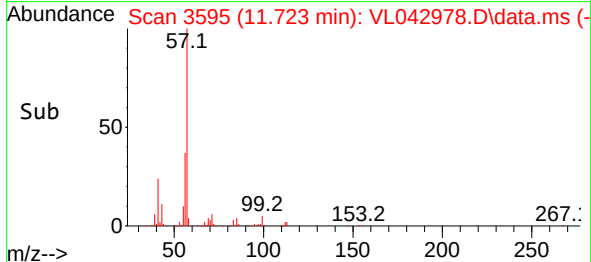
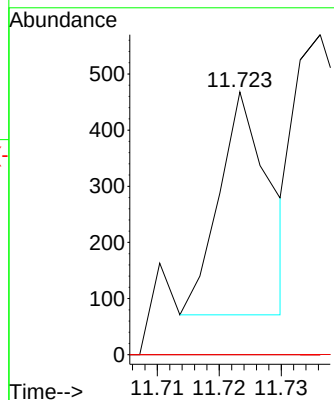
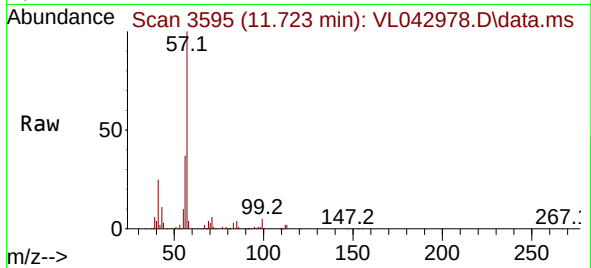




#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 11.723 min Scan# 3179
Delta R.T. 0.113 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

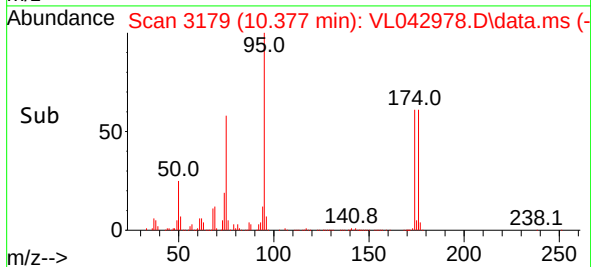
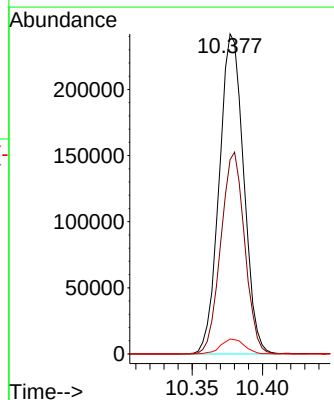
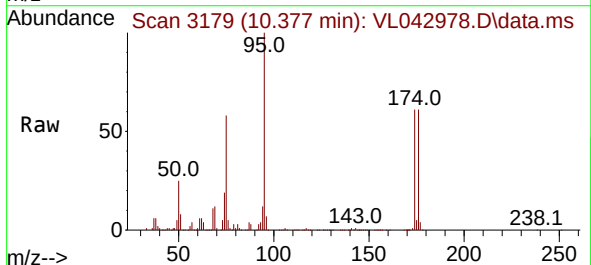
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

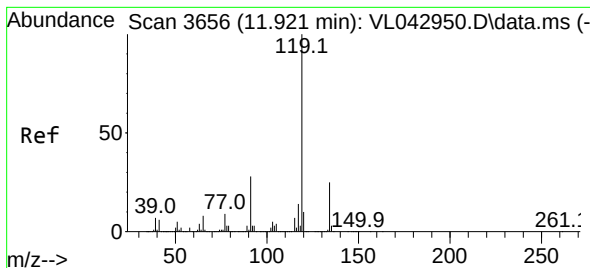
Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
126 10.2 14.6 21.8#
128 0.0 5.0 7.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.277 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion: 95 Resp: 292609
Ion Ratio Lower Upper
95 100
174 61.5 51.4 77.2
175 4.5 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.067 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.006 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Instrument :

MSVOA_1

ClientSampleId :

151-1A-1

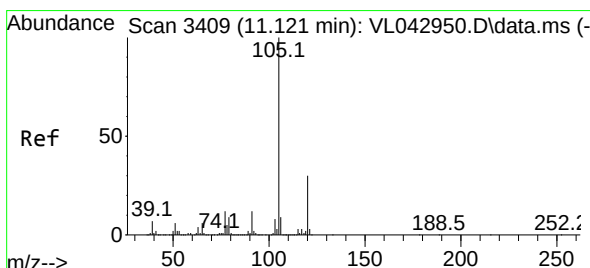
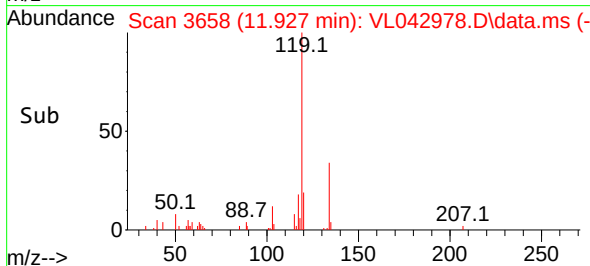
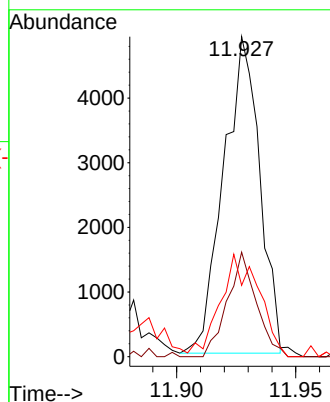
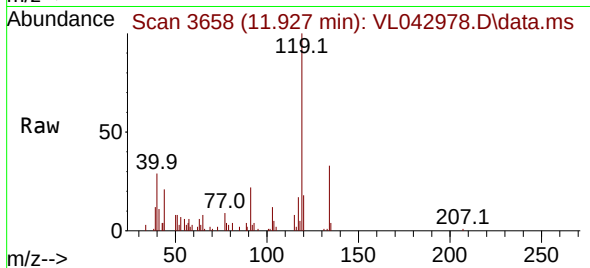
Tgt Ion:119 Resp: 5159

Ion Ratio Lower Upper

119 100

134 27.3 21.0 31.4

91 36.2 22.3 33.5#



#72

4-Ethyltoluene

Concen: 0.084 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.006 min

Lab File: VL042978.D

Acq: 23 Sep 2025 03:33

Tgt Ion:105 Resp: 5187

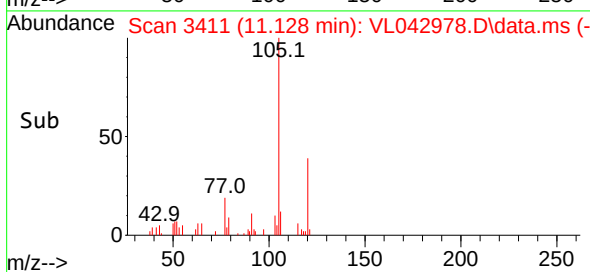
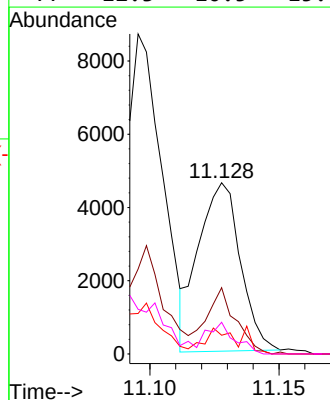
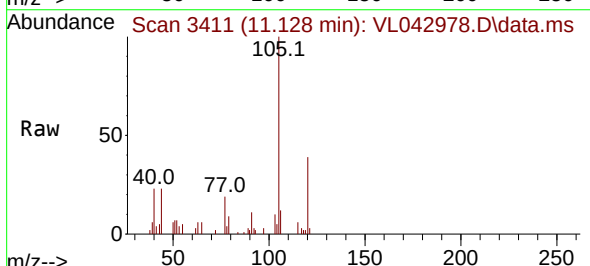
Ion Ratio Lower Upper

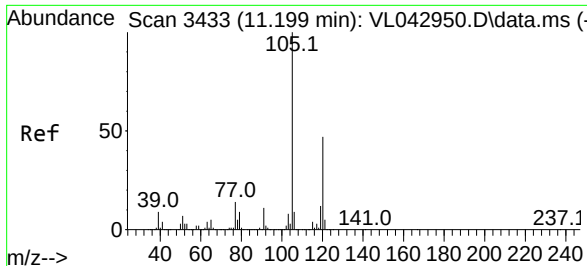
105 100

120 25.6 24.2 36.2

91 11.9 10.0 15.0

77 12.3 10.5 15.7

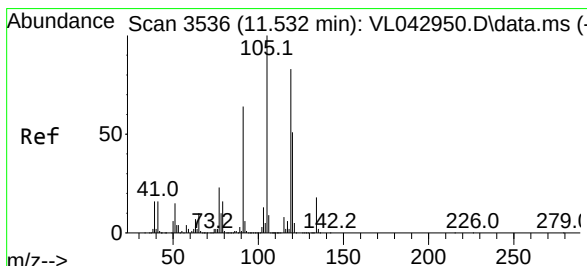
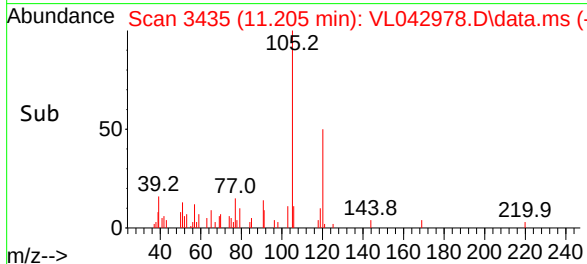
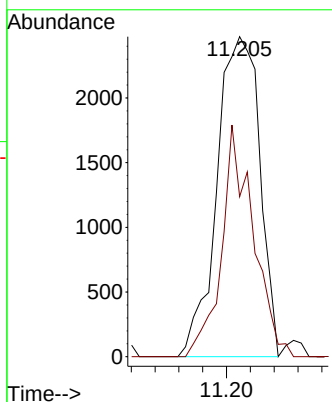
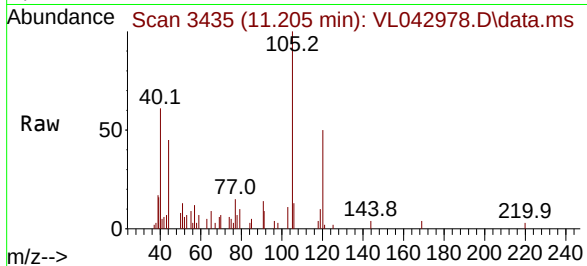




#73
 1,3,5-Trimethylbenzene
 Concen: 0.061 ppbv
 RT: 11.205 min Scan# 3435
 Delta R.T. 0.006 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

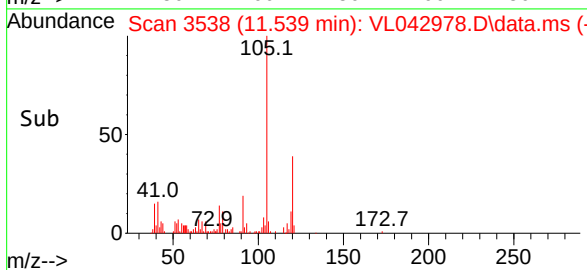
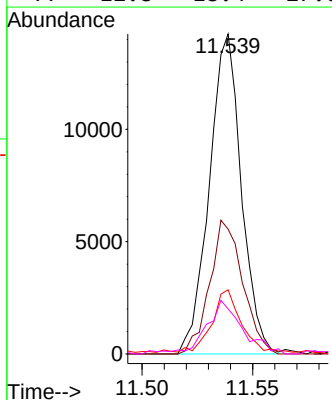
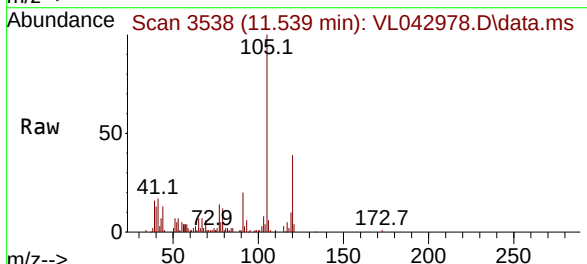
Instrument :
 MSVOA_L
 ClientSampleId :
 151-1A-1

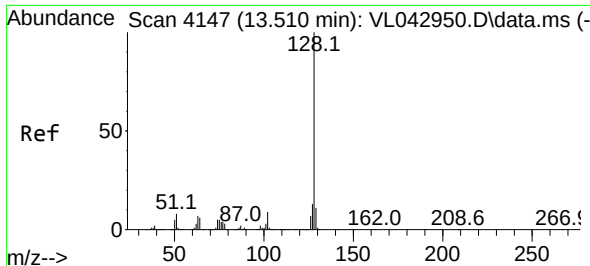
Tgt Ion:105 Resp: 3082
 Ion Ratio Lower Upper
 105 100
 120 50.0 38.0 57.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.259 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.006 min
 Lab File: VL042978.D
 Acq: 23 Sep 2025 03:33

Tgt Ion:105 Resp: 14343
 Ion Ratio Lower Upper
 105 100
 120 39.0 40.9 61.3#
 91 19.4 51.2 76.8#
 77 12.8 18.4 27.6#

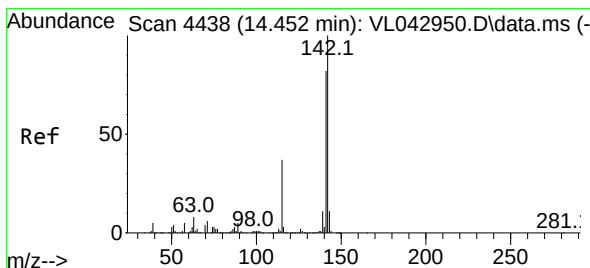
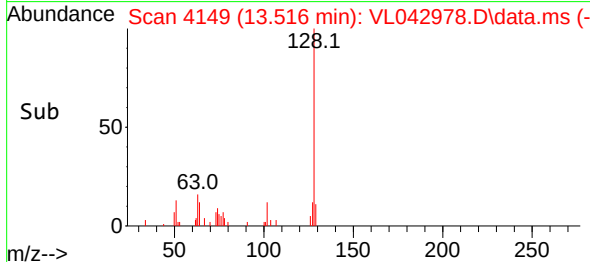
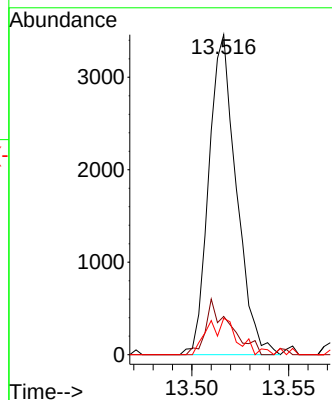
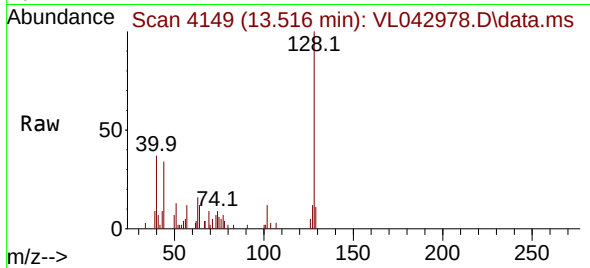




#79
Naphthalene
Concen: 0.070 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Instrument :
MSVOA_L
ClientSampleId :
151-1A-1

Tgt Ion:	128	Resp:	3424
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.6	15.8
129	11.3	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.260 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.010 min
Lab File: VL042978.D
Acq: 23 Sep 2025 03:33

Tgt Ion:	142	Resp:	3925
Ion	Ratio	Lower	Upper
142	100		
141	101.7	65.1	97.7#
115	41.9	28.9	43.3

