

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042974.D
 Acq On : 23 Sep 2025 01:11
 Operator : SY/MD
 Sample : Q3131-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-1A-1

Quant Time: Sep 24 01:12:51 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	144572	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	424417	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	377395	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	294613	10.458	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	66916	3.441	ppbv	97
3) Chlorodifluoromethane	1.466	51	31168	1.286	ppbv #	71
4) Chloromethane	1.534	50	3662	0.416	ppbv	97
5) Vinyl Chloride	1.489	62	285	0.036	ppbv #	1
8) Dichlorotetrafluoroethane	1.499	85	66916	4.031	ppbv #	20
9) Propene	1.560	41	21863	2.074	ppbv	86
10) Heptane	4.975	43	3991	0.142	ppbv #	29
11) Trichlorofluoromethane	1.881	101	7357	0.392	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	1027	0.068	ppbv	100
13) Ethanol	1.722	45	127657	124.813	ppbv	96
15) Acetone	1.835	43	496921	26.390	ppbv #	82
16) 1,3-Butadiene	1.602	39	1495	0.168	ppbv #	11
17) tert-Butyl alcohol	2.046	59	5337	0.258	ppbv #	72
19) Isopropyl Alcohol	1.887	45	23221	2.051	ppbv #	1
20) Methylene Chloride	2.065	84	14219	1.997	ppbv	95
21) Allyl Chloride	2.081	41	7454	0.568	ppbv #	62
23) Vinyl Acetate	2.476	43	128074	4.761	ppbv #	48
25) Ethyl Acetate	2.829	43	109430	2.299	ppbv #	84
26) Hexane	2.829	57	140710	6.486	ppbv #	43
27) Carbon Disulfide	2.156	76	1103	0.057	ppbv #	1
29) Chloroform	2.855	83	3737	0.132	ppbv	94
30) Cyclohexane	3.858	84	4917	0.271	ppbv #	1
34) 2-Butanone	2.560	43	44238	1.487	ppbv	99
35) Carbon Tetrachloride	3.771	117	1911	0.069	ppbv	96
36) Benzene	3.661	78	26130	0.656	ppbv #	95
37) 1,2-Dichloroethane	3.224	62	4005	0.191	ppbv	99
39) 1,2-Dichloropropane	3.962	63	105522	7.252	ppbv #	24
41) Tetrahydrofuran	3.065	42	6951	0.407	ppbv #	80
44) 2,2,4-Trimethylpentane	4.648	57	77020	1.119	ppbv #	88
51) 2-Hexanone	7.451	43	5040	0.159	ppbv #	79
53) Toluene	6.940	91	87271	1.850	ppbv	97
58) Ethyl Benzene	9.357	91	24797	0.400	ppbv	91
59) m/p-Xylene	9.535	91	75106	1.537	ppbv #	100
60) o-Xylene	9.969	91	26261	0.538	ppbv	96
61) Styrene	9.875	104	5433	0.235	ppbv	99
65) tert-Butylbenzene	11.536	119	2027	0.031	ppbv #	25
69) p-Isopropyltoluene	11.924	119	5064	0.066	ppbv	95
72) 4-Ethyltoluene	11.131	105	4926	0.081	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.209	105	5102	0.103	ppbv	90
74) 1,2,4-Trimethylbenzene	11.536	105	15880	0.290	ppbv #	62
79) Naphthalene	13.513	128	5520	0.114	ppbv #	95
80) Naphthalene,2-methyl-	14.462	142	4230	0.283	ppbv	94

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

Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

Quant Time: Sep 24 01:12:51 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

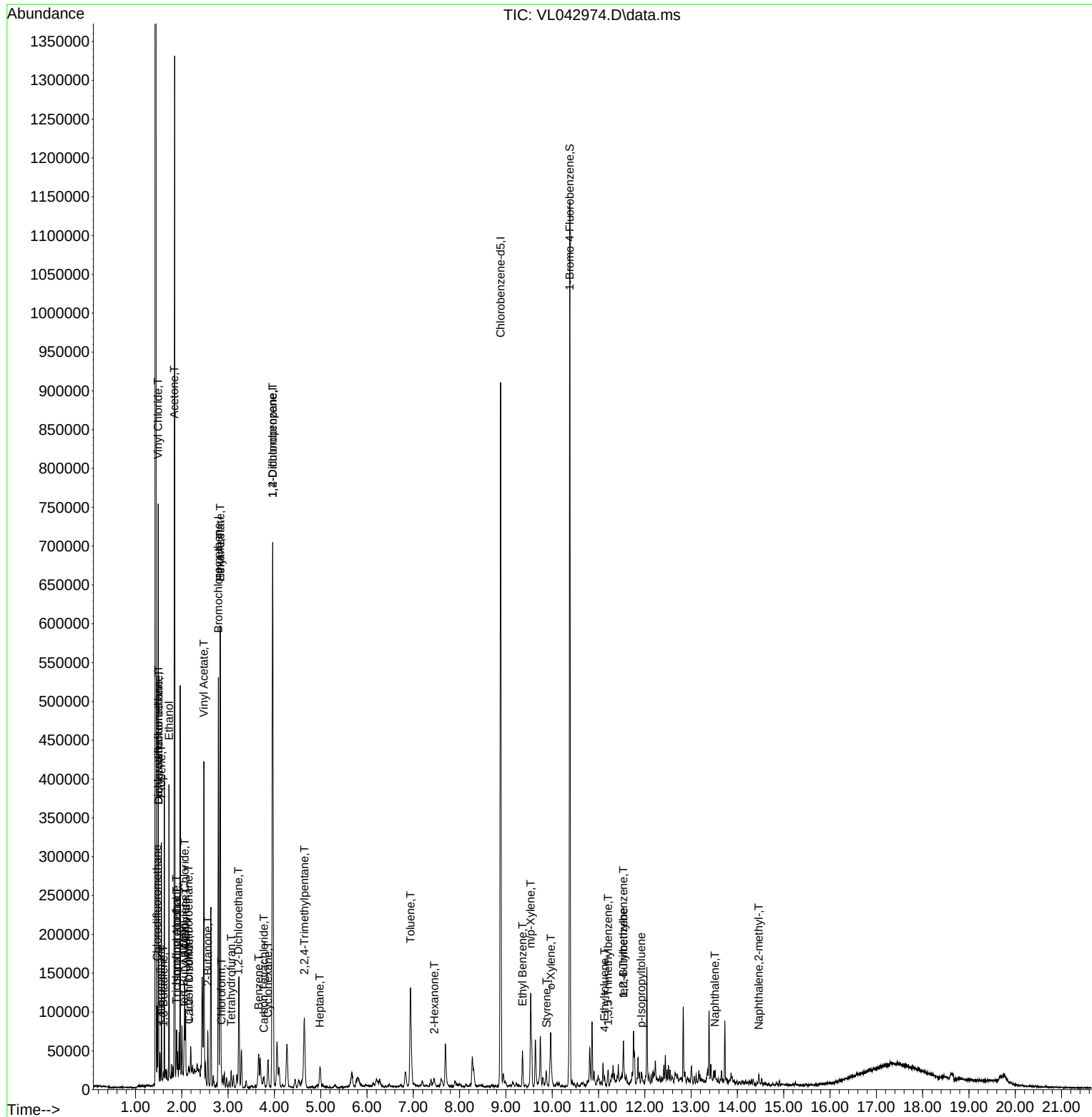
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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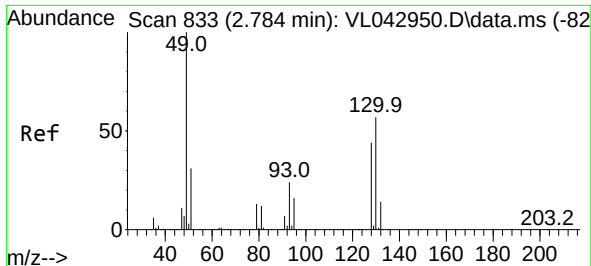
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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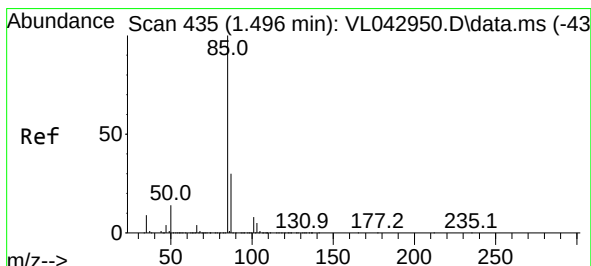
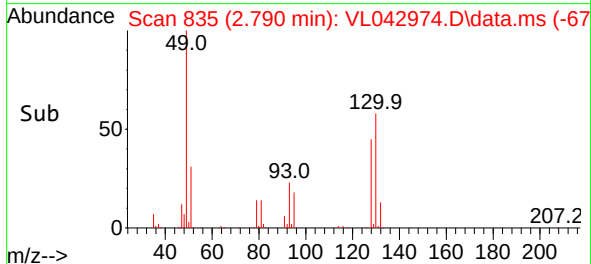
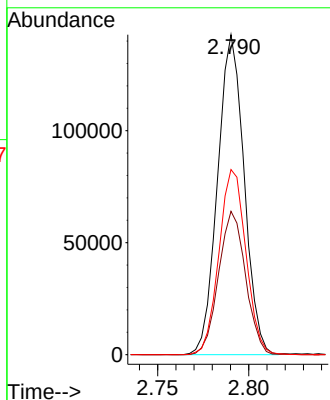
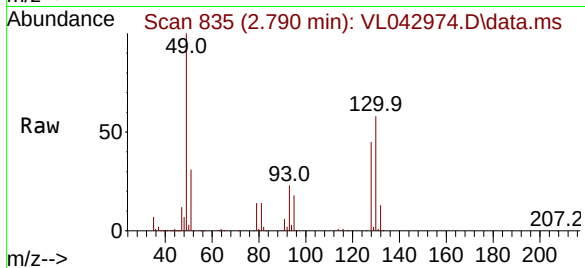




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

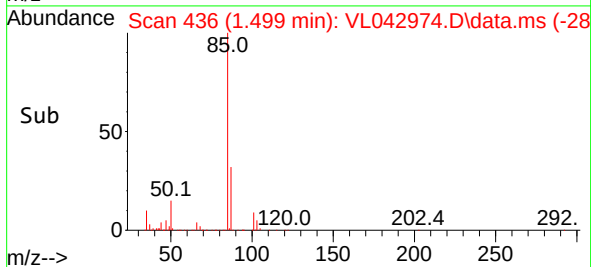
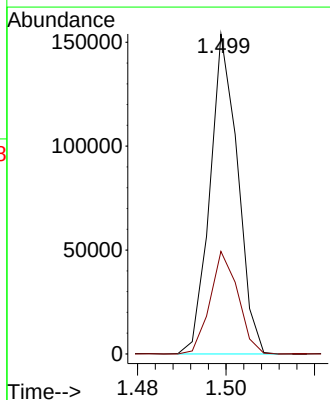
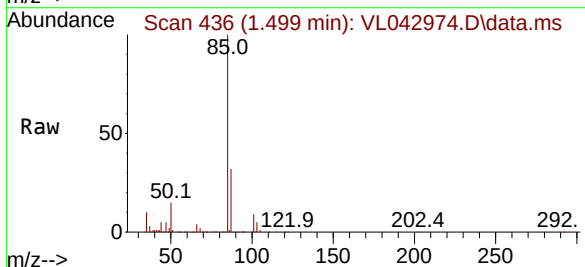
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

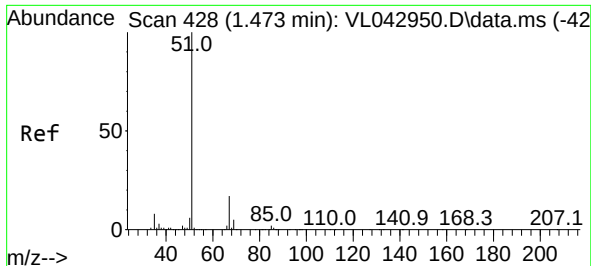
Tgt Ion: 49 Resp: 144572
Ion Ratio Lower Upper
49 100
128 45.6 22.9 68.8
130 58.9 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 3.441 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 85 Resp: 66916
Ion Ratio Lower Upper
85 100
87 32.1 24.3 36.5

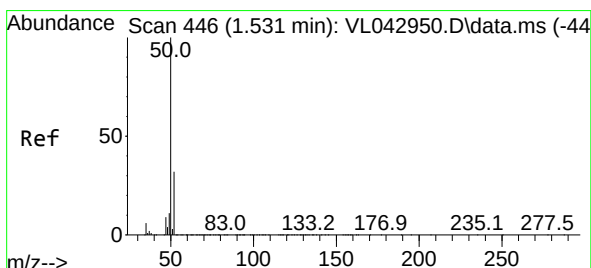
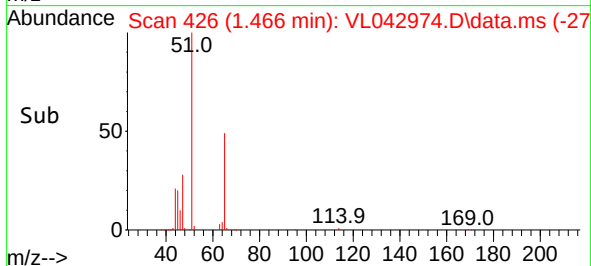
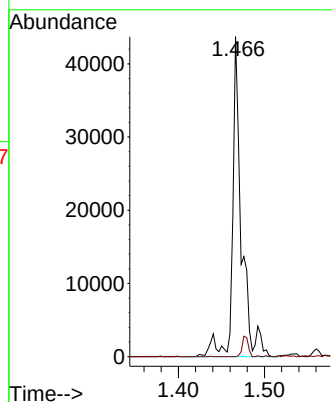
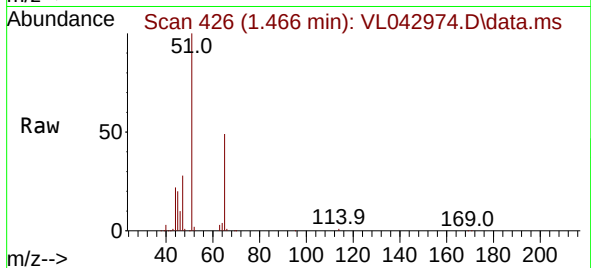




#3
Chlorodifluoromethane
Concen: 1.286 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

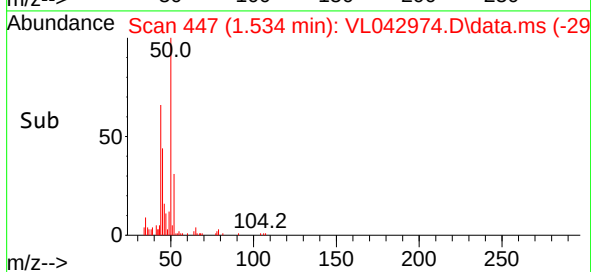
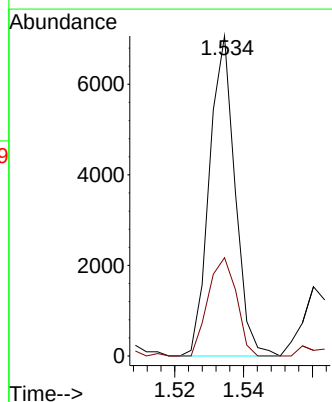
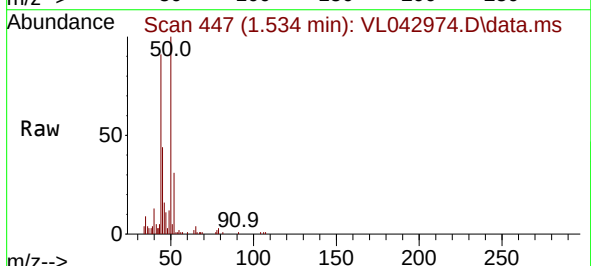
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

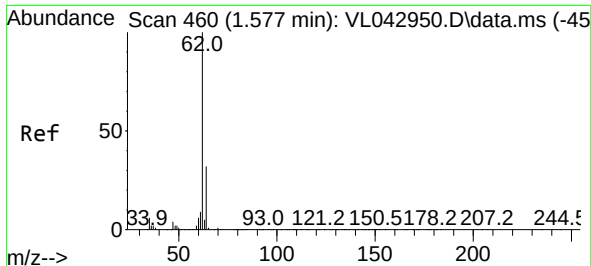
Tgt Ion: 51 Resp: 31168
Ion Ratio Lower Upper
51 100
67 4.5 13.8 20.8#



#4
Chloromethane
Concen: 0.416 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 50 Resp: 3662
Ion Ratio Lower Upper
50 100
52 30.7 25.9 38.9

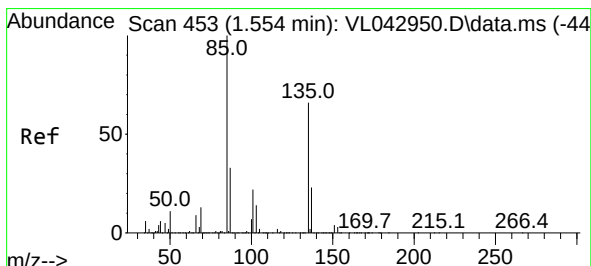
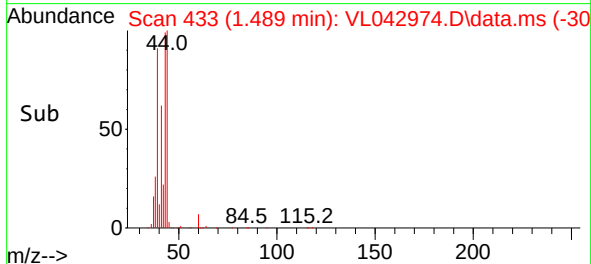
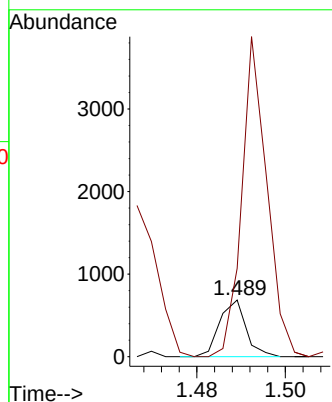
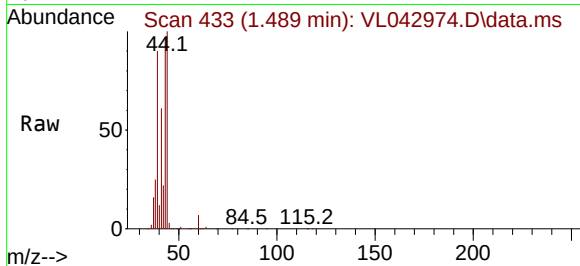




#5
 Vinyl Chloride
 Concen: 0.036 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. -0.087 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

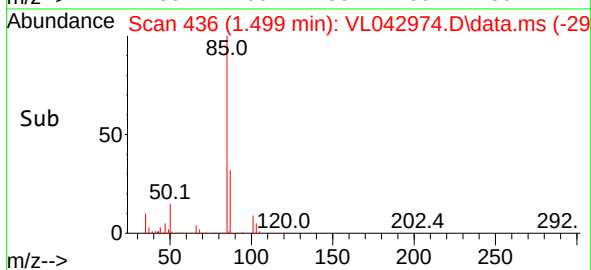
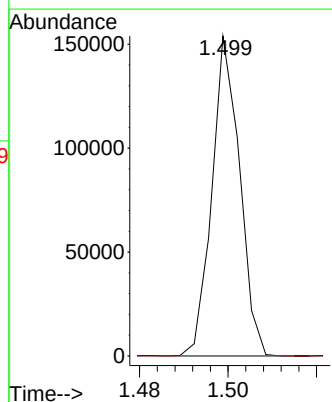
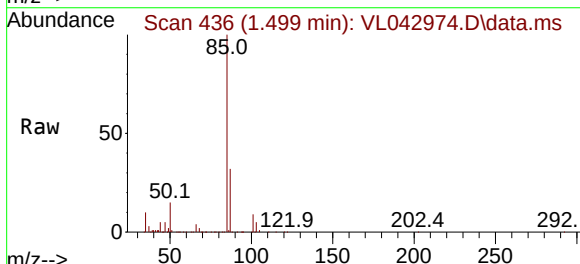
Instrument :
 MSVOA_1
 ClientSampleId :
 141-1A-1

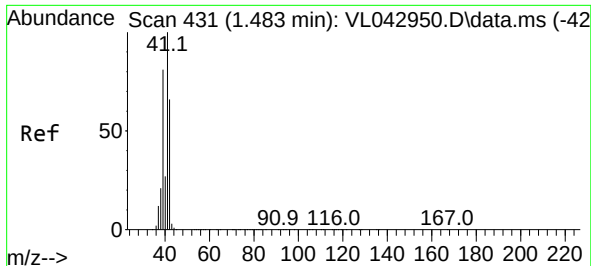
Tgt Ion: 62 Resp: 285
 Ion Ratio Lower Upper
 62 100
 64 148.1 25.4 38.2#



#8
 Dichlorotetrafluoroethane
 Concen: 4.031 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.055 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

Tgt Ion: 85 Resp: 66916
 Ion Ratio Lower Upper
 85 100
 135 0.3 49.7 74.5#





#9

Propene

Concen: 2.074 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.078 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

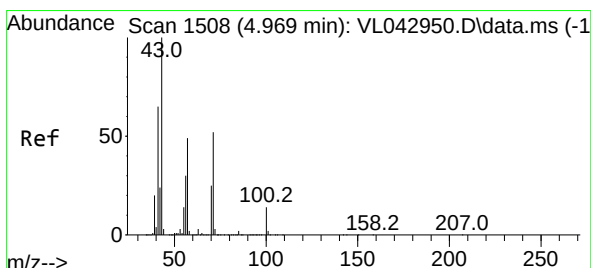
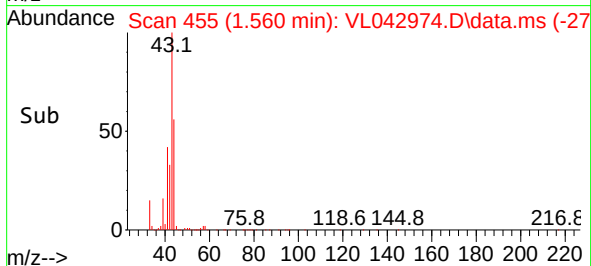
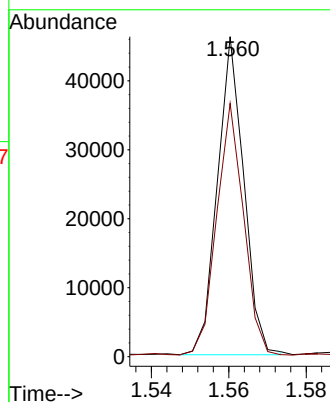
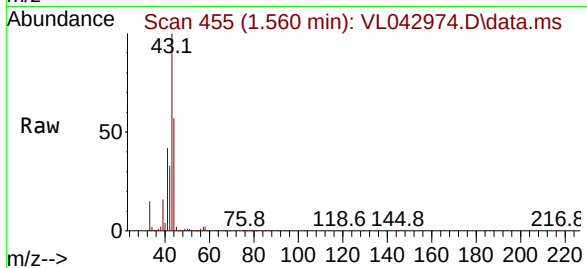
141-1A-1

Tgt Ion: 41 Resp: 21863

Ion Ratio Lower Upper

41 100

42 83.2 57.4 86.2



#10

Heptane

Concen: 0.142 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.006 min

Lab File: VL042974.D

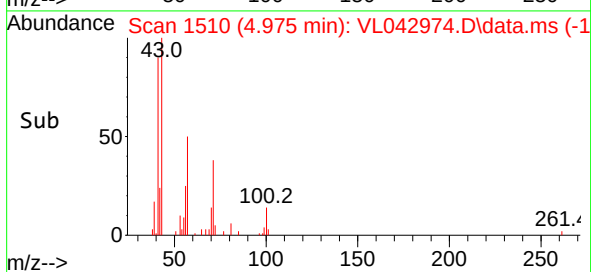
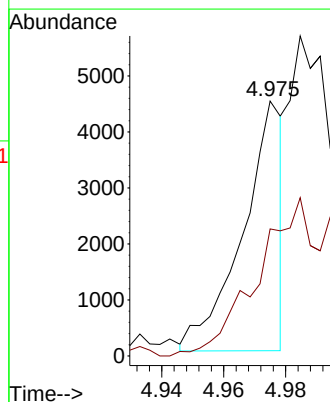
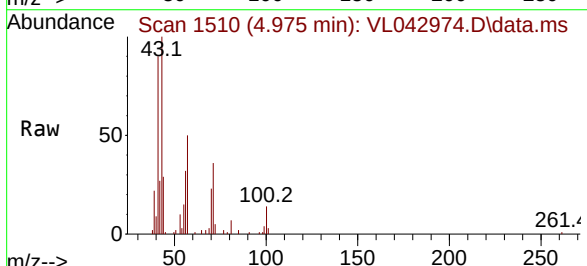
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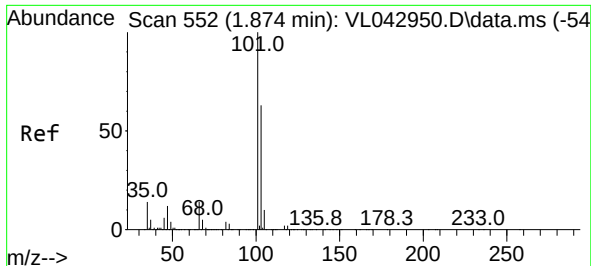
Tgt Ion: 43 Resp: 3991

Ion Ratio Lower Upper

43 100

57 0.0 38.6 57.8#

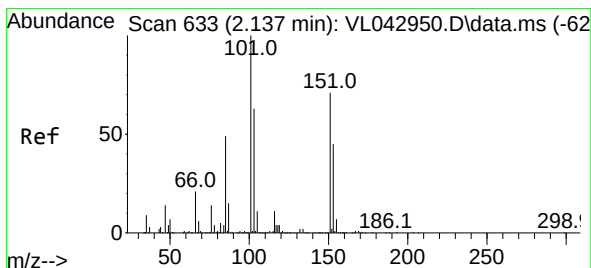
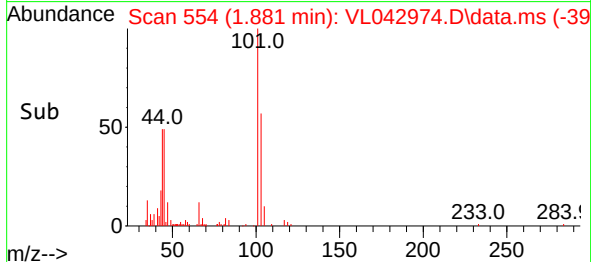
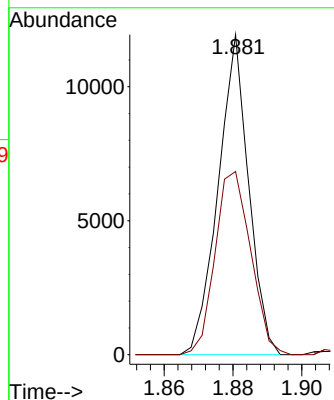
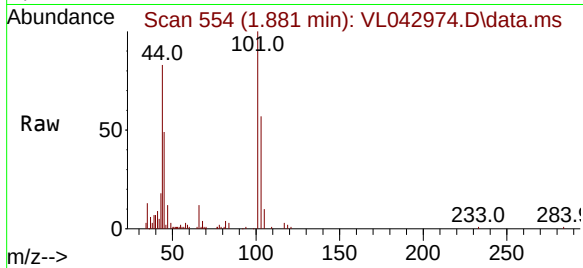




#11
 Trichlorofluoromethane
 Concen: 0.392 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

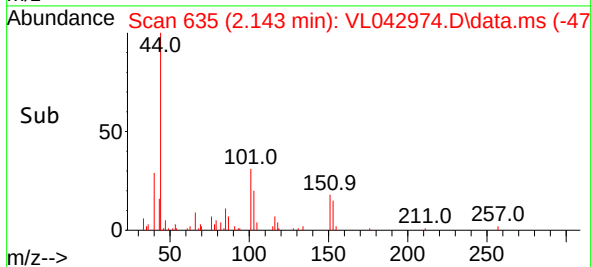
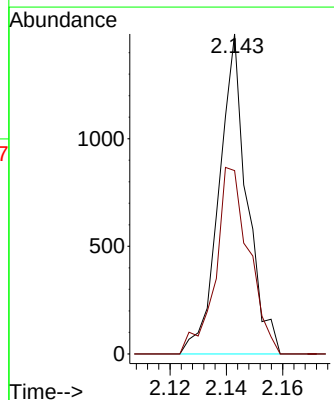
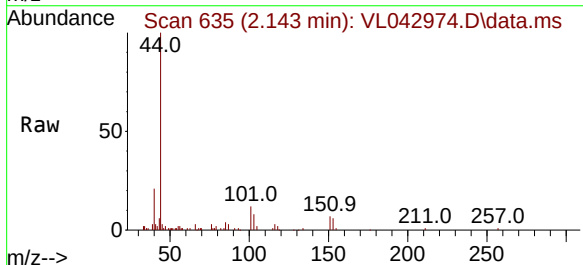
Instrument :
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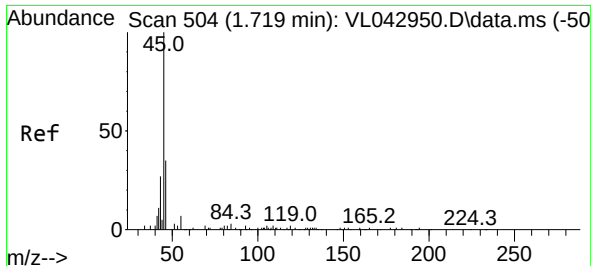
Tgt Ion:101 Resp: 7357
 Ion Ratio Lower Upper
 101 100
 103 57.3 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.068 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

Tgt Ion:101 Resp: 1027
 Ion Ratio Lower Upper
 101 100
 151 69.5 55.7 83.5

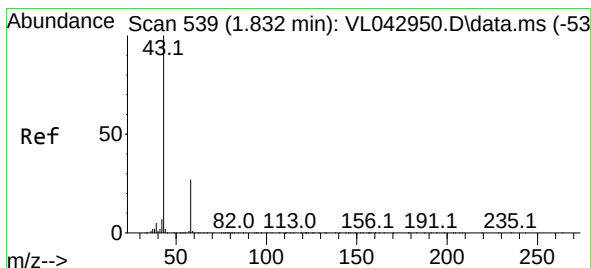
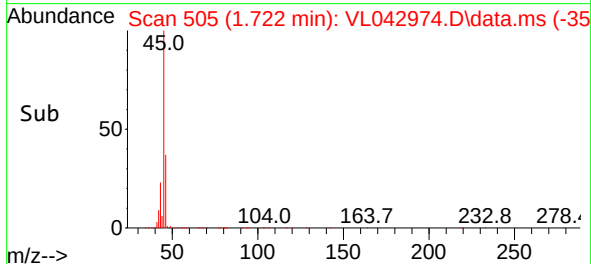
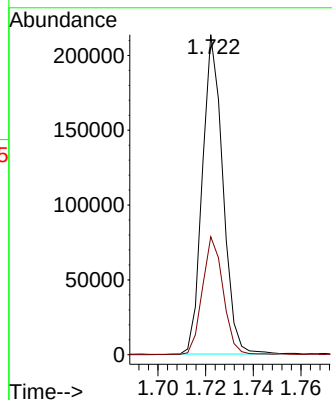
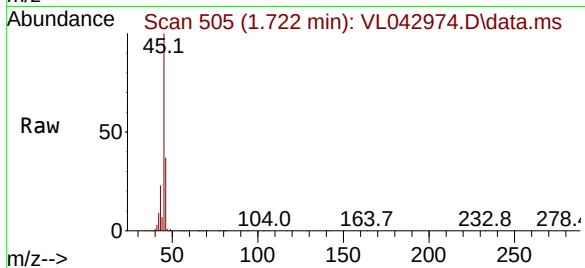




#13
Ethanol
Concen: 124.813 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

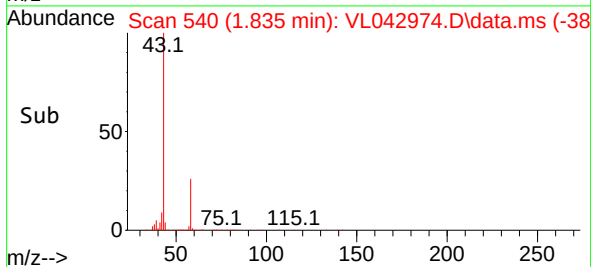
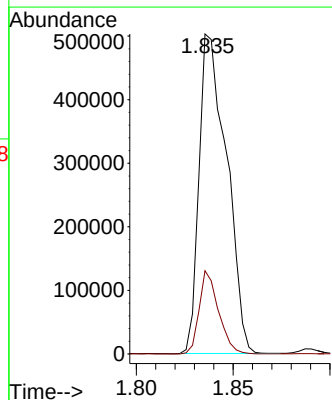
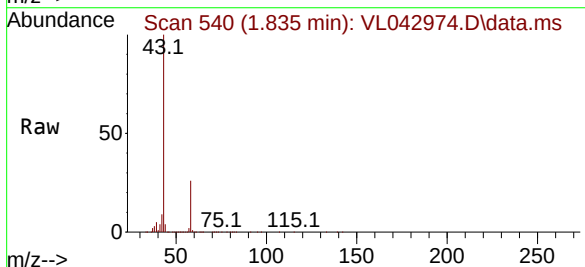
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MSVOA_1
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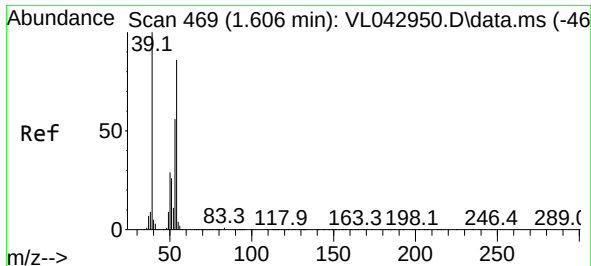
Tgt Ion: 45 Resp: 127657
Ion Ratio Lower Upper
45 100
46 38.1 16.2 64.6



#15
Acetone
Concen: 26.390 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 43 Resp: 496921
Ion Ratio Lower Upper
43 100
58 18.2 22.3 33.5#

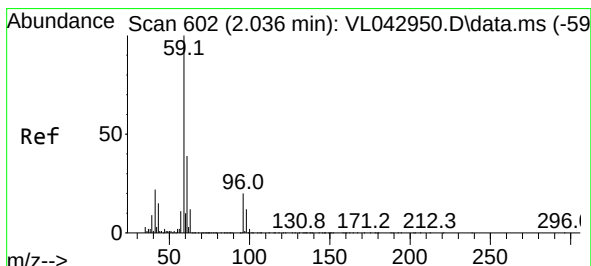
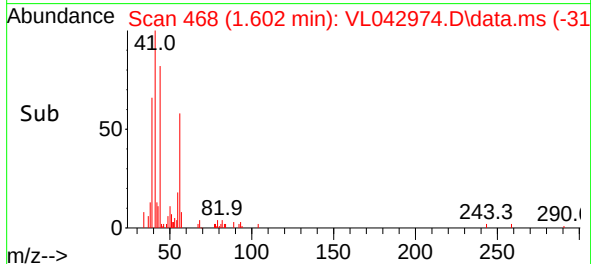
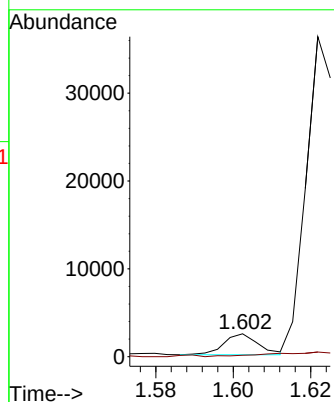
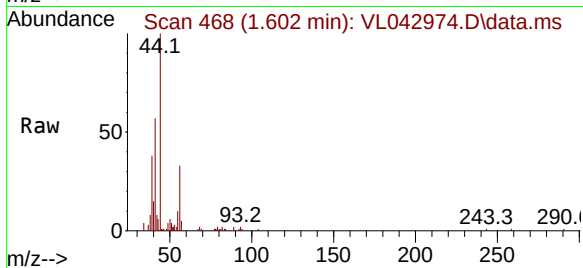




#16
1,3-Butadiene
Concen: 0.168 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

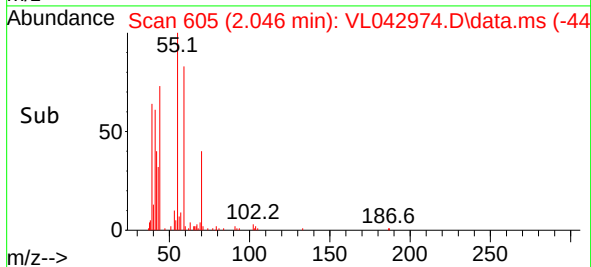
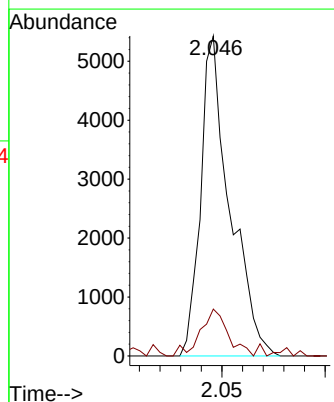
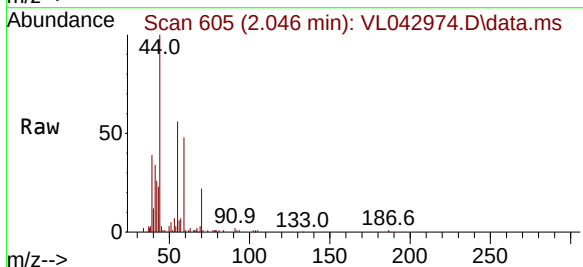
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

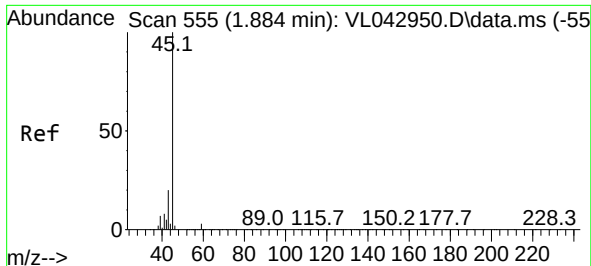
Tgt Ion: 39 Resp: 1495
Ion Ratio Lower Upper
39 100
54 0.0 60.8 91.2#



#17
tert-Butyl alcohol
Concen: 0.258 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 59 Resp: 5337
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

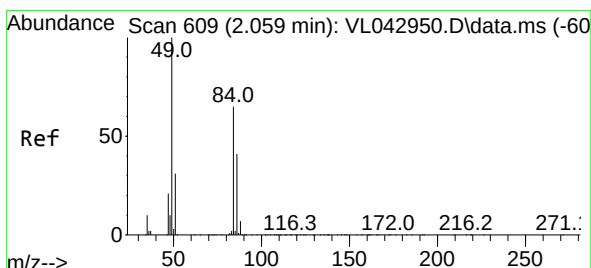
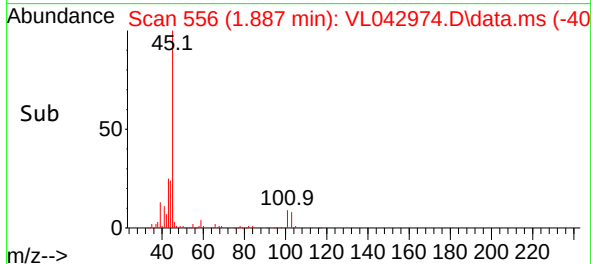
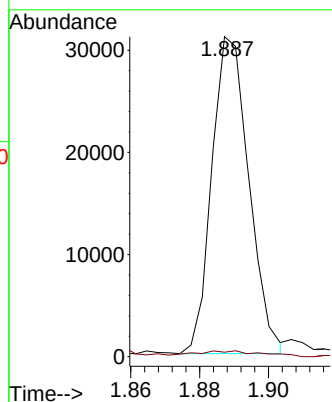
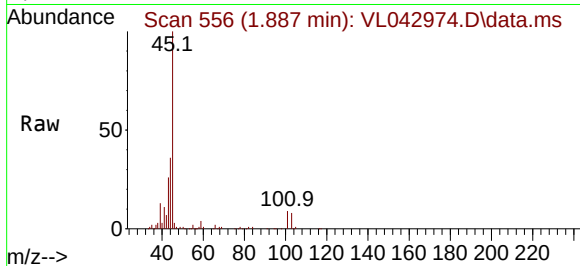




#19
Isopropyl Alcohol
Concen: 2.051 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

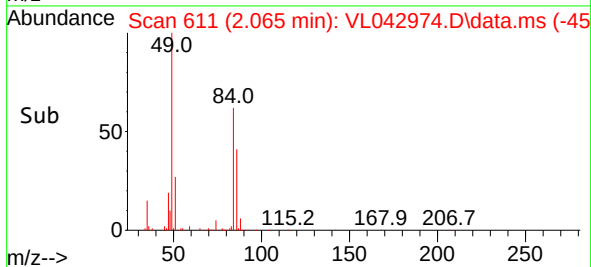
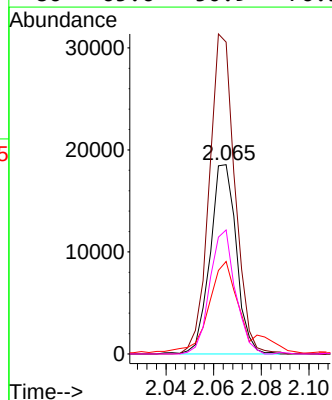
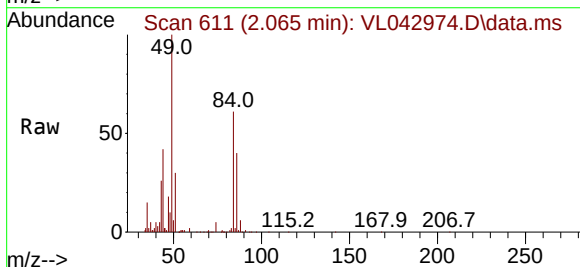
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

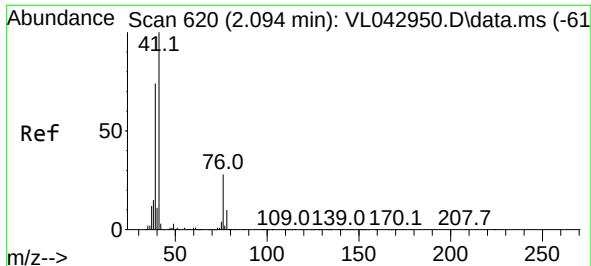
Tgt Ion: 45 Resp: 23221
Ion Ratio Lower Upper
45 100
58 392.1 31.0 46.6#



#20
Methylene Chloride
Concen: 1.997 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 84 Resp: 14219
Ion Ratio Lower Upper
84 100
49 163.8 124.1 186.1
51 46.0 39.8 59.8
86 65.6 50.9 76.3

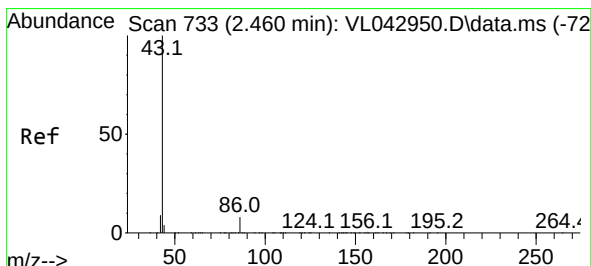
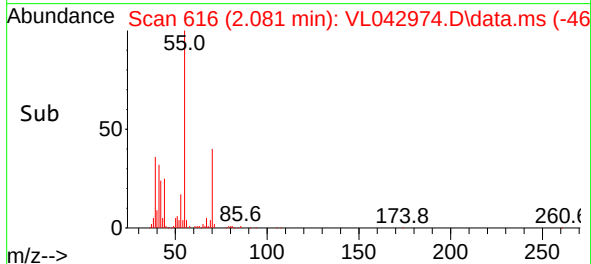
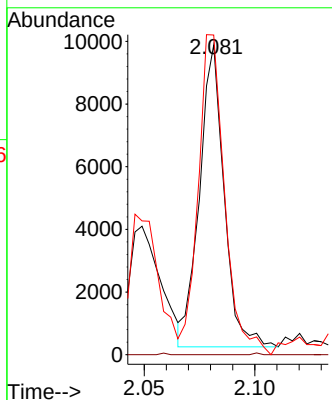
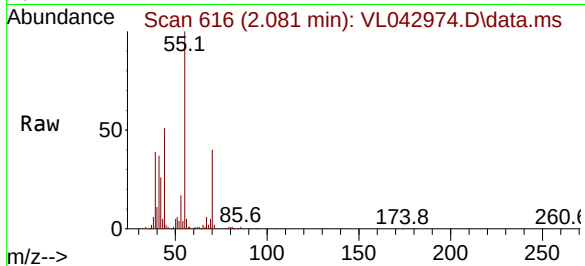




#21
 Allyl Chloride
 Concen: 0.568 ppbv
 RT: 2.081 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

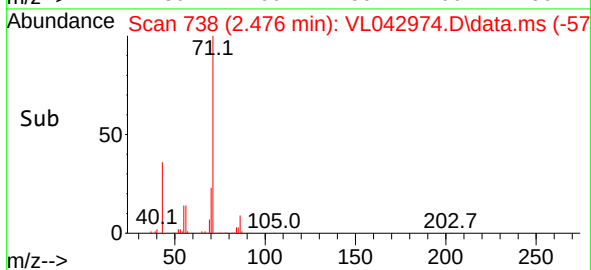
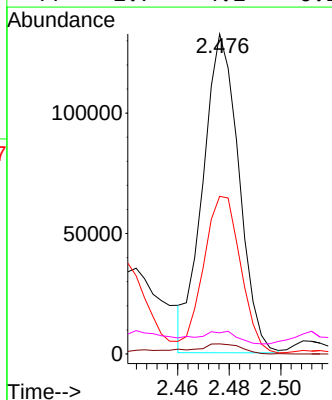
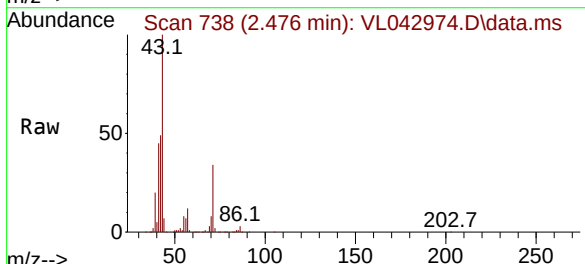
Instrument :
 MSVOA_1
 ClientSampleId :
 141-1A-1

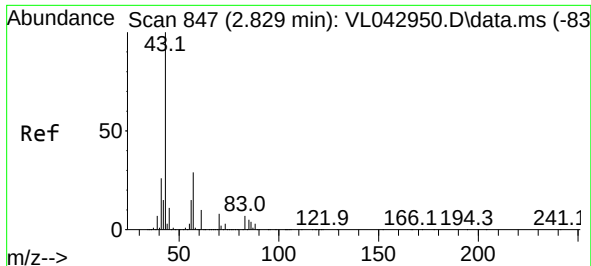
Tgt Ion: 41 Resp: 7454
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.3 33.5#
 39 104.2 61.3 91.9#



#23
 Vinyl Acetate
 Concen: 4.761 ppbv
 RT: 2.476 min Scan# 738
 Delta R.T. 0.016 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

Tgt Ion: 43 Resp: 128074
 Ion Ratio Lower Upper
 43 100
 86 3.1 6.2 9.2#
 42 49.4 7.4 11.0#
 44 2.7 4.2 6.2#



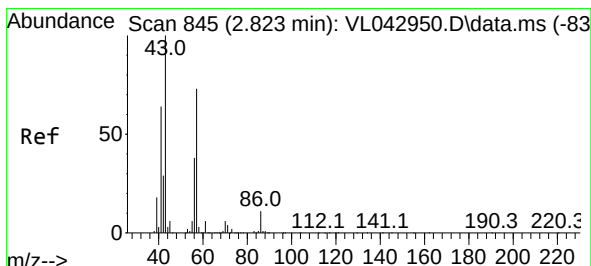
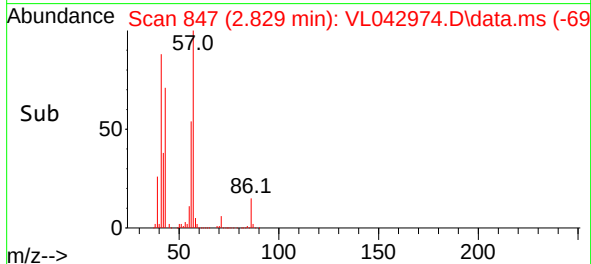
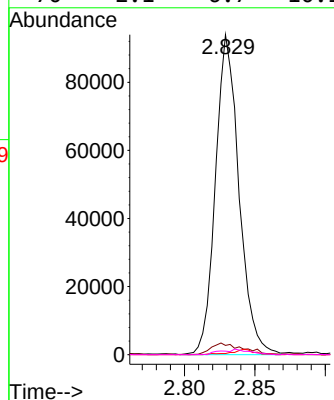
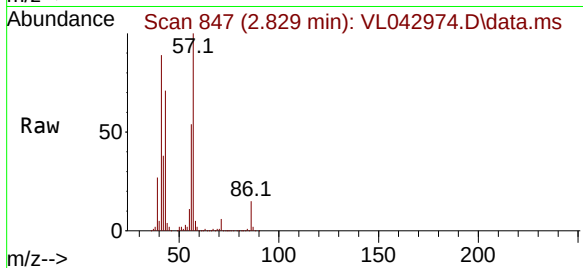


#25
Ethyl Acetate
Concen: 2.299 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Instrument :
MSVOA_1
ClientSampleId :
141-1A-1

Tgt Ion: 43 Resp: 109430

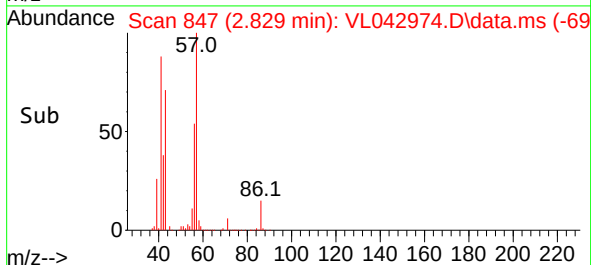
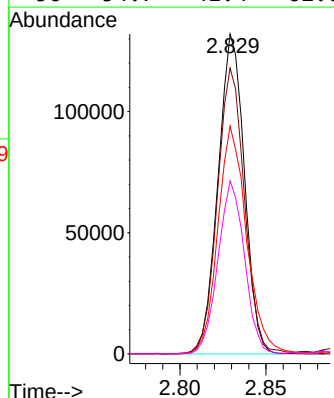
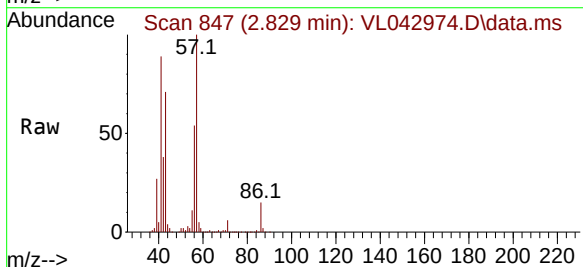
Ion	Ratio	Lower	Upper
43	100		
45	5.3	7.7	11.5#
61	1.6	7.1	10.7#
70	2.1	6.7	10.1#

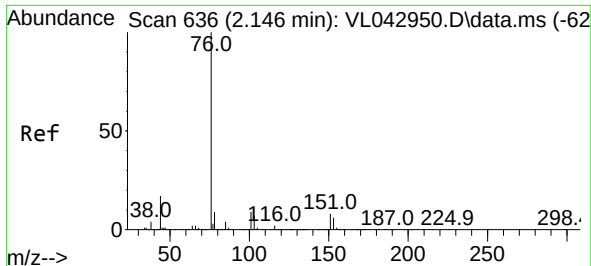


#26
Hexane
Concen: 6.486 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 57 Resp: 140710

Ion	Ratio	Lower	Upper
57	100		
41	91.9	71.7	107.5
43	77.9	180.8	271.2#
56	54.7	41.4	62.0

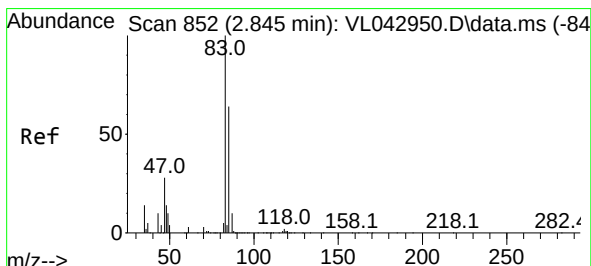
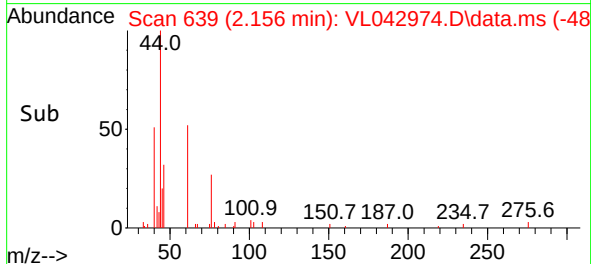
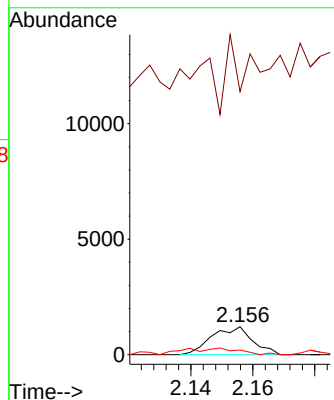
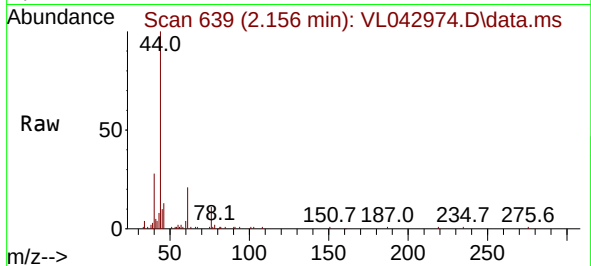




#27
Carbon Disulfide
Concen: 0.057 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

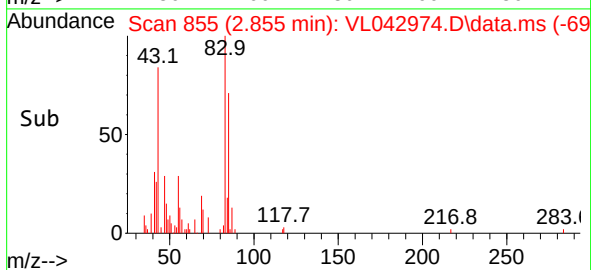
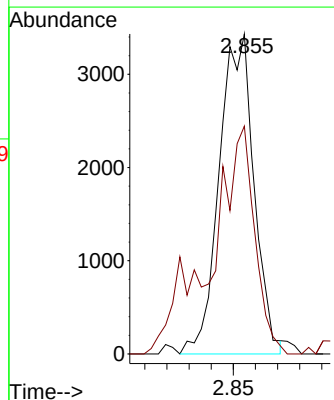
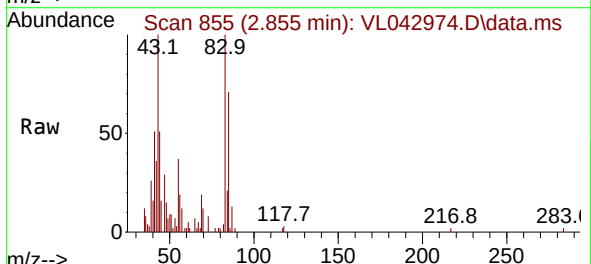
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

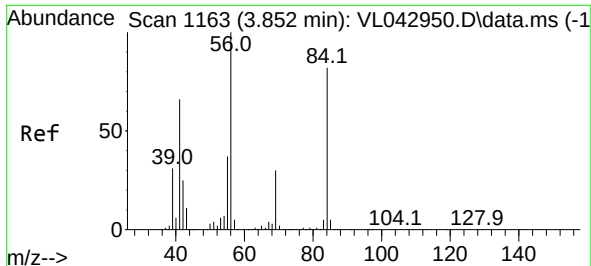
Tgt Ion: 76 Resp: 1103
Ion Ratio Lower Upper
76 100
44 1522.5 15.6 23.4#
78 51.0 8.9 13.3#



#29
Chloroform
Concen: 0.132 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 83 Resp: 3737
Ion Ratio Lower Upper
83 100
85 68.6 51.2 76.8

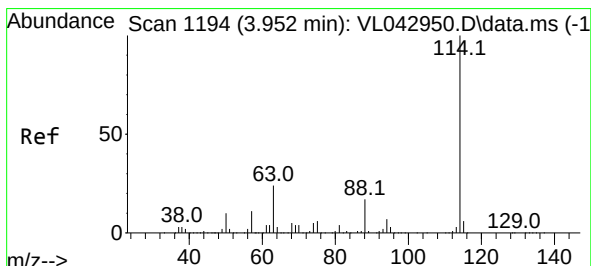
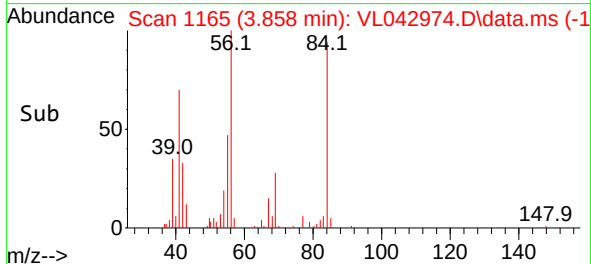
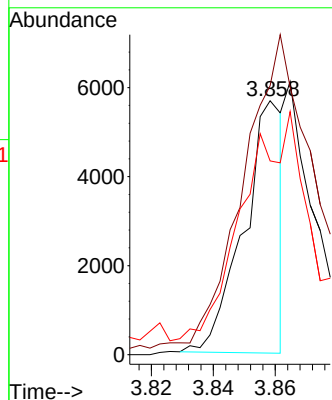
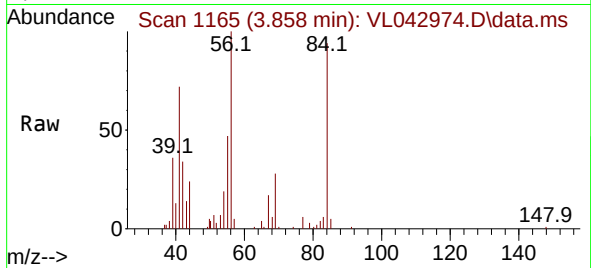




#30
Cyclohexane
Concen: 0.271 ppbv
RT: 3.858 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

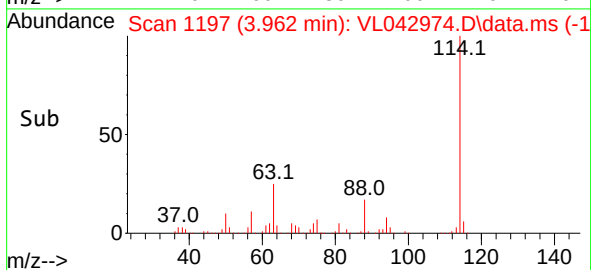
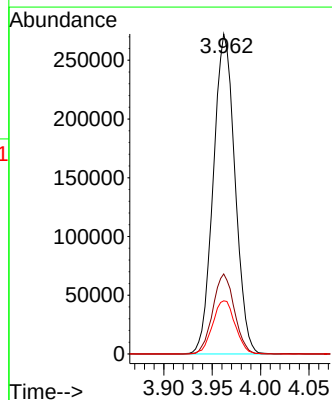
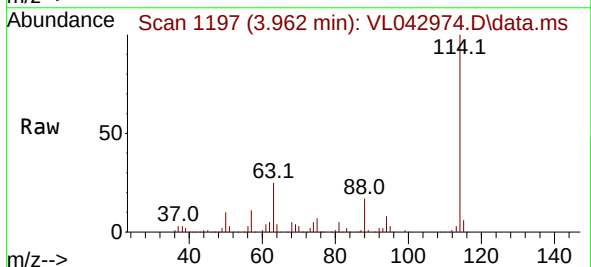
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

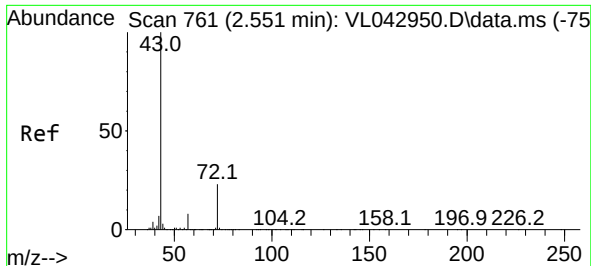
Tgt Ion: 84 Resp: 4917
Ion Ratio Lower Upper
84 100
56 0.0 102.2 153.4#
41 0.0 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 114 Resp: 424417
Ion Ratio Lower Upper
114 100
63 24.9 19.4 29.2
88 17.3 14.2 21.2

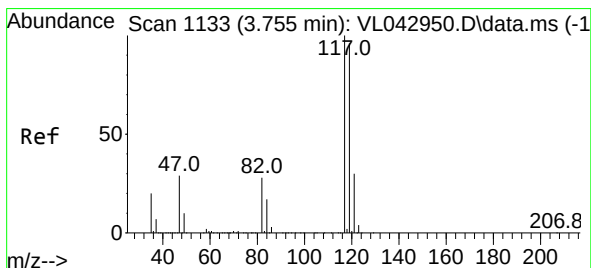
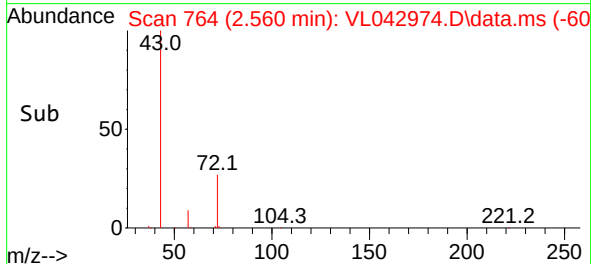
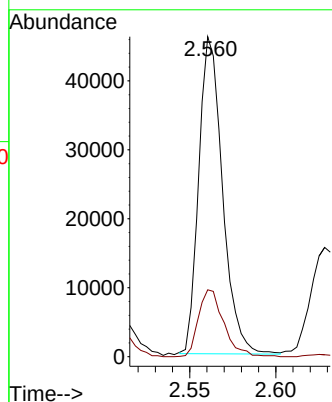
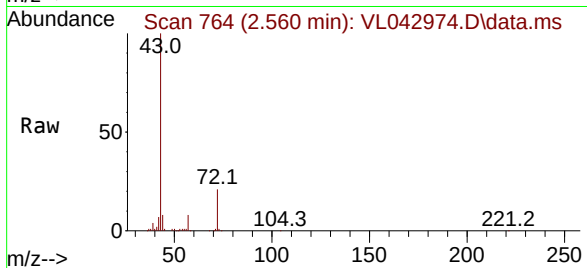




#34
2-Butanone
Concen: 1.487 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

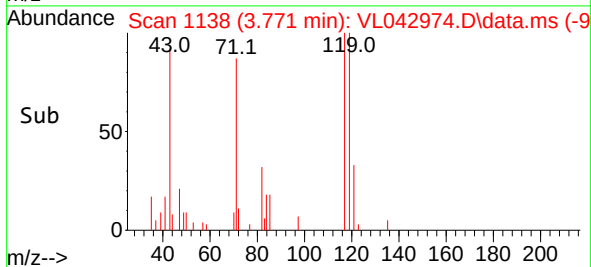
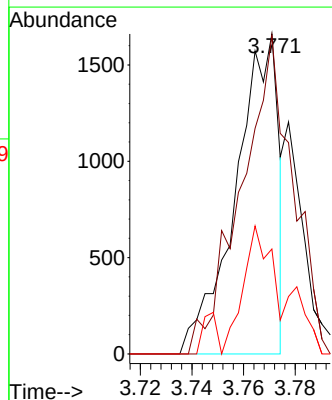
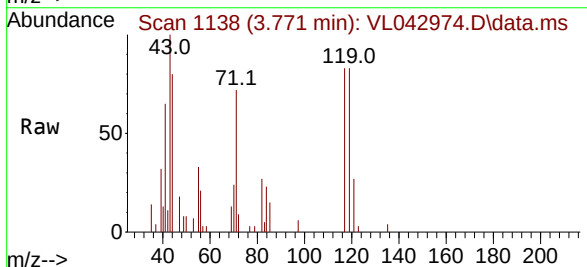
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

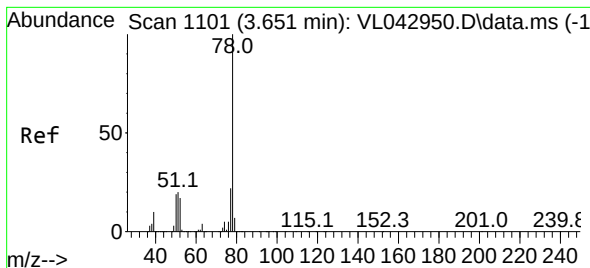
Tgt Ion: 43 Resp: 44238
Ion Ratio Lower Upper
43 100
72 22.4 17.7 26.5



#35
Carbon Tetrachloride
Concen: 0.069 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.016 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 117 Resp: 1911
Ion Ratio Lower Upper
117 100
119 99.5 76.9 115.3
121 32.8 23.7 35.5





#36

Benzene

Concen: 0.656 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.010 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

141-1A-1

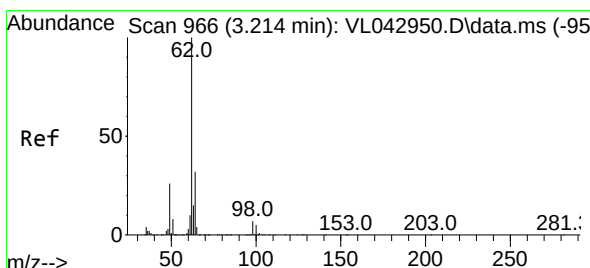
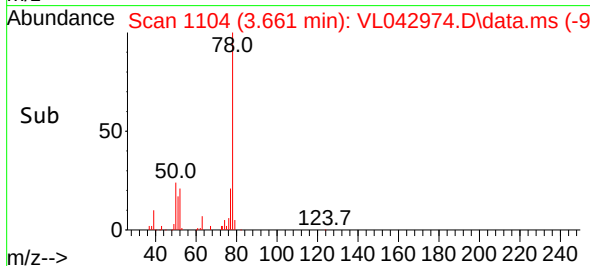
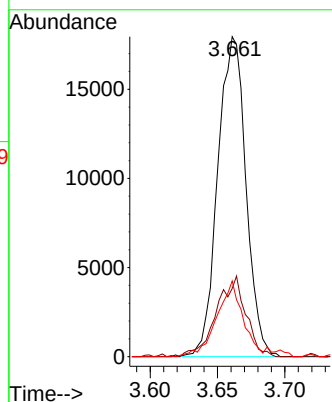
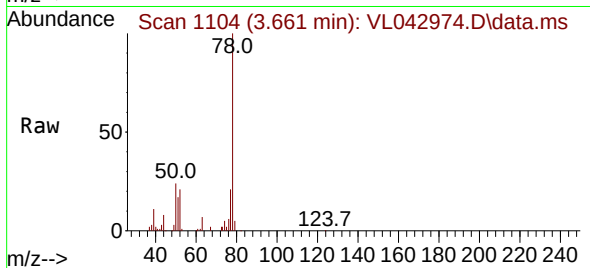
Tgt Ion: 78 Resp: 26130

Ion Ratio Lower Upper

78 100

77 21.3 17.8 26.6

50 22.6 15.0 22.4#



#37

1,2-Dichloroethane

Concen: 0.191 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.010 min

Lab File: VL042974.D

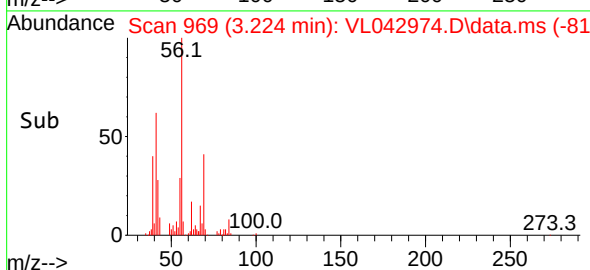
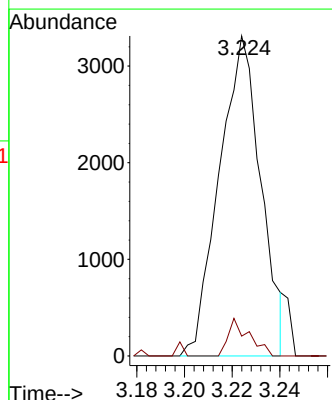
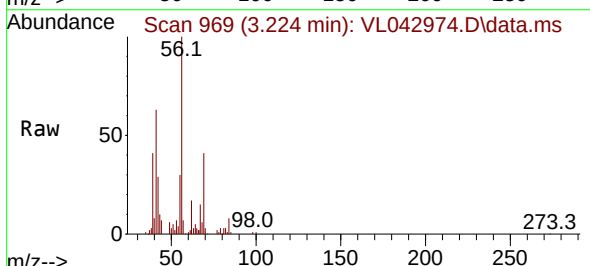
Acq: 23 Sep 2025 01:11

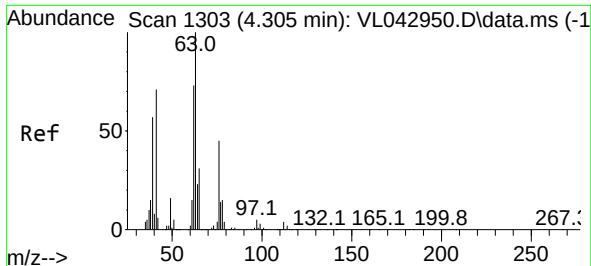
Tgt Ion: 62 Resp: 4005

Ion Ratio Lower Upper

62 100

98 6.9 5.9 8.9





#39

1,2-Dichloropropane

Concen: 7.252 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

141-1A-1

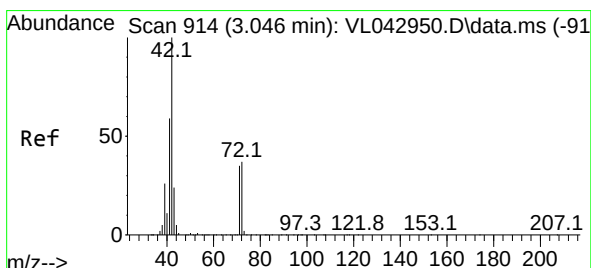
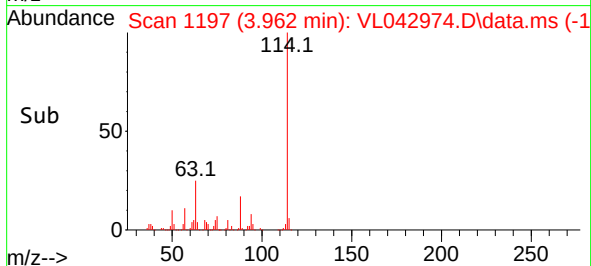
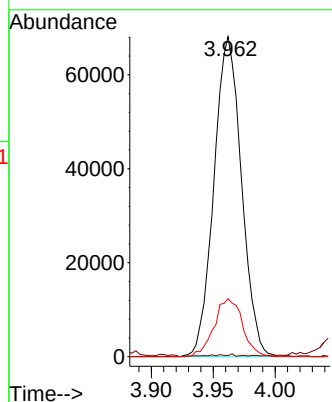
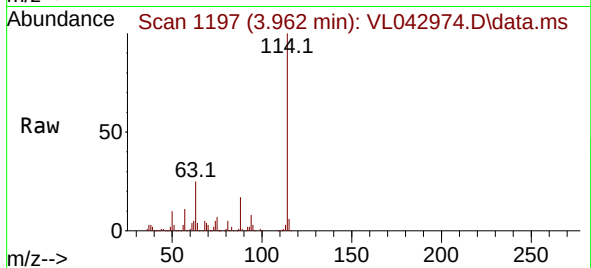
Tgt Ion: 63 Resp: 105522

Ion Ratio Lower Upper

63 100

41 0.5 57.5 86.3#

62 18.1 58.5 87.7#



#41

Tetrahydrofuran

Concen: 0.407 ppbv

RT: 3.065 min Scan# 920

Delta R.T. 0.019 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

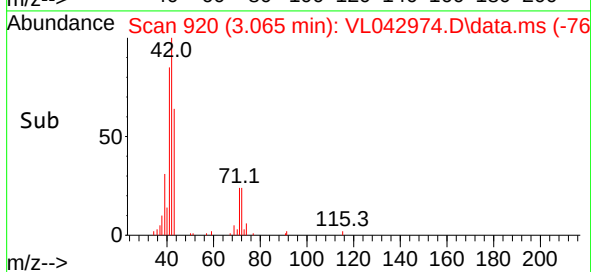
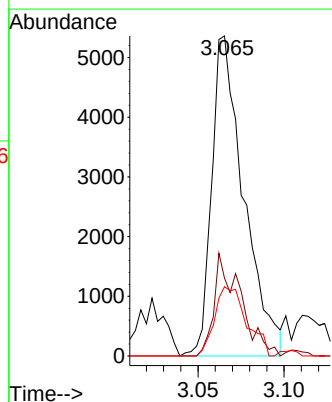
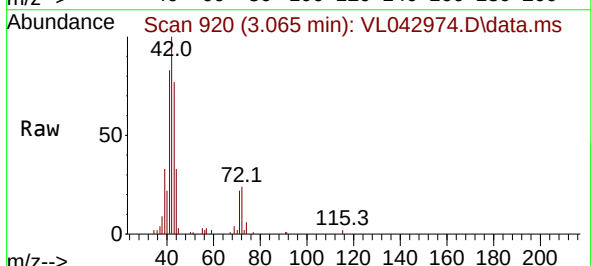
Tgt Ion: 42 Resp: 6951

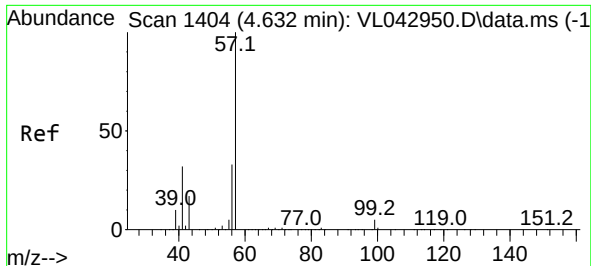
Ion Ratio Lower Upper

42 100

72 27.6 30.0 45.0#

71 22.4 28.8 43.2#

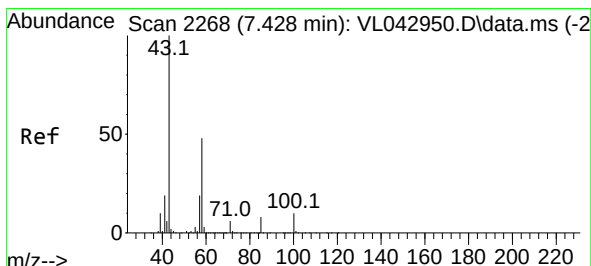
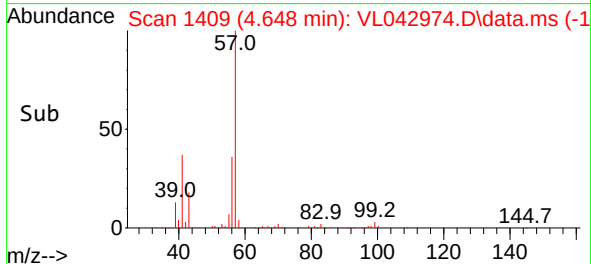
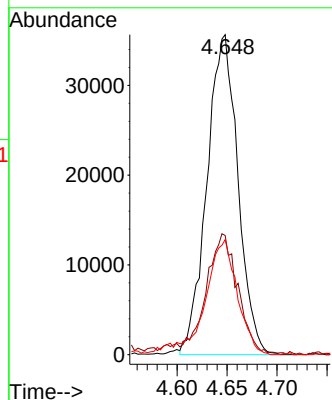
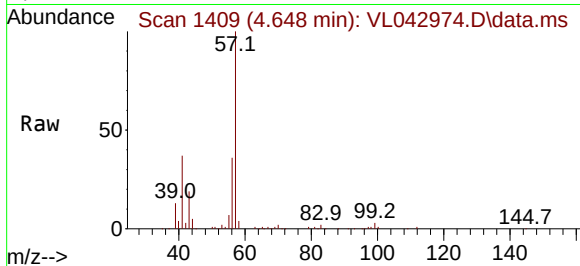




#44
2,2,4-Trimethylpentane
Concen: 1.119 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.016 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

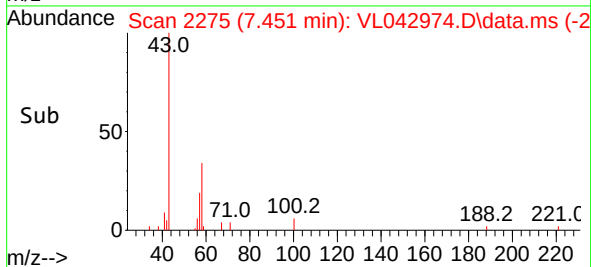
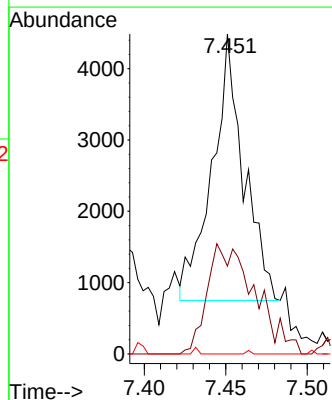
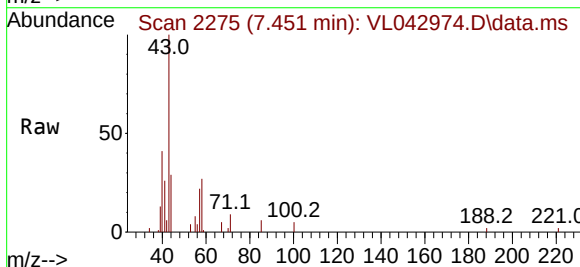
Instrument : MSVOA_1
ClientSampleId : 141-1A-1

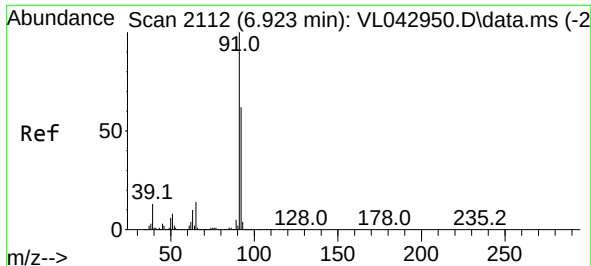
Tgt Ion: 57 Resp: 77020
Ion Ratio Lower Upper
57 100
41 40.1 25.5 38.3#
56 37.9 25.8 38.8



#51
2-Hexanone
Concen: 0.159 ppbv
RT: 7.451 min Scan# 2275
Delta R.T. 0.023 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 43 Resp: 5040
Ion Ratio Lower Upper
43 100
58 63.7 39.7 59.5#
98 0.4 0.1 0.1#





#53

Toluene

Concen: 1.850 ppbv

RT: 6.940 min Scan# 2112

Delta R.T. 0.016 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

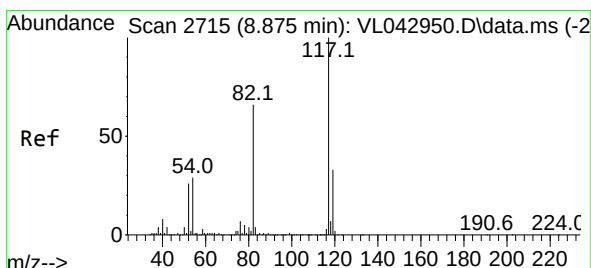
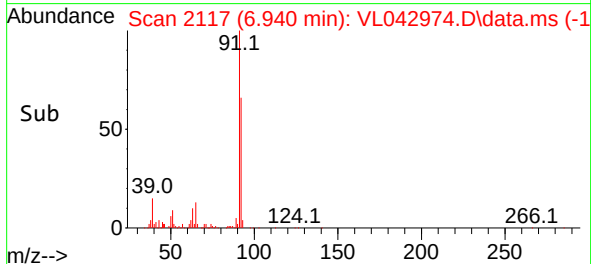
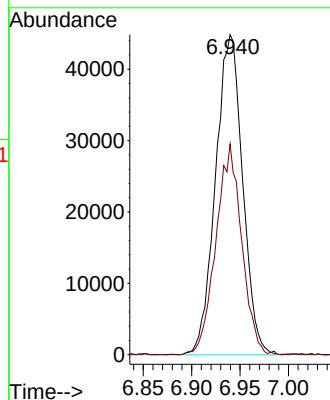
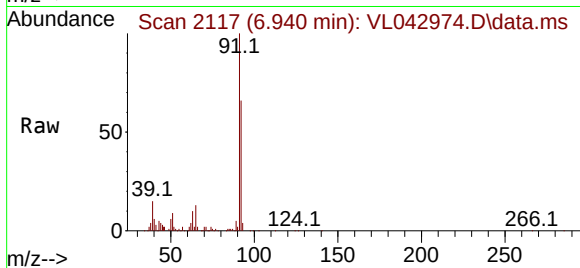
141-1A-1

Tgt Ion: 91 Resp: 87271

Ion Ratio Lower Upper

91 100

92 62.5 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.010 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

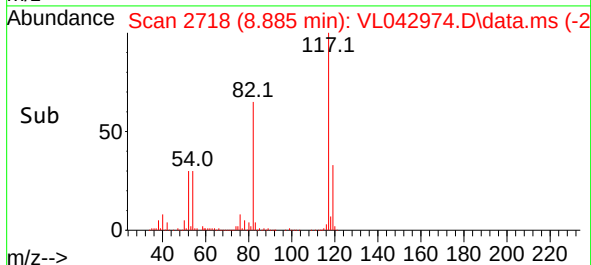
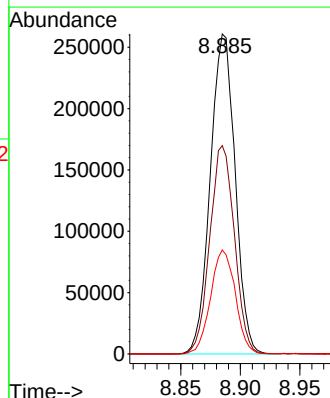
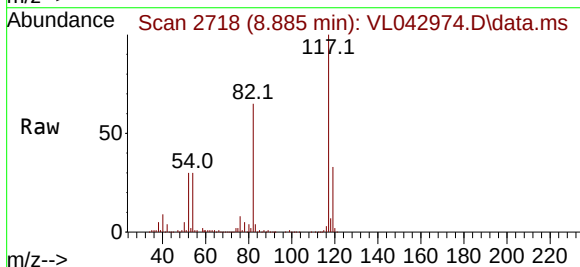
Tgt Ion: 117 Resp: 377395

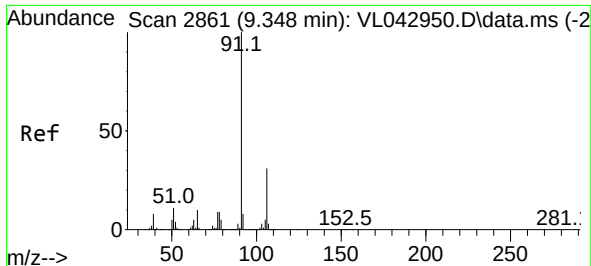
Ion Ratio Lower Upper

117 100

82 64.9 52.8 79.2

119 32.6 26.5 39.7





#58

Ethyl Benzene

Concen: 0.400 ppbv

RT: 9.357 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

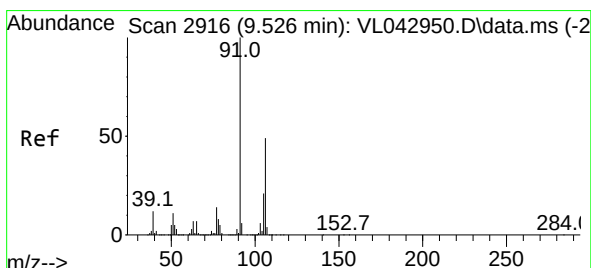
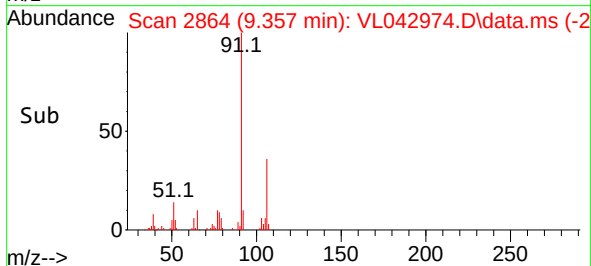
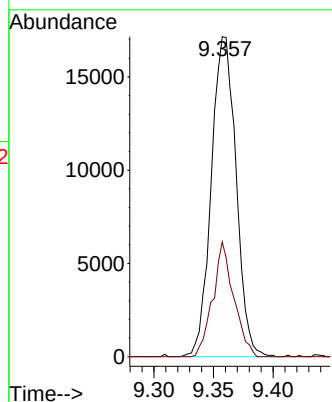
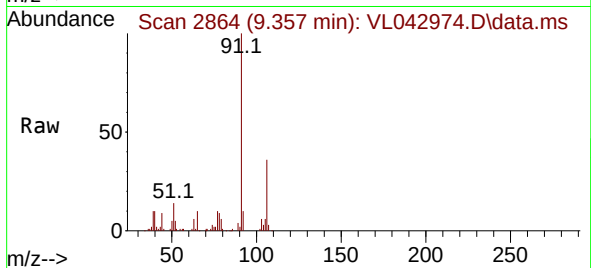
141-1A-1

Tgt Ion: 91 Resp: 24797

Ion Ratio Lower Upper

91 100

106 35.9 24.6 37.0



#59

m/p-Xylene

Concen: 1.537 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. 0.010 min

Lab File: VL042974.D

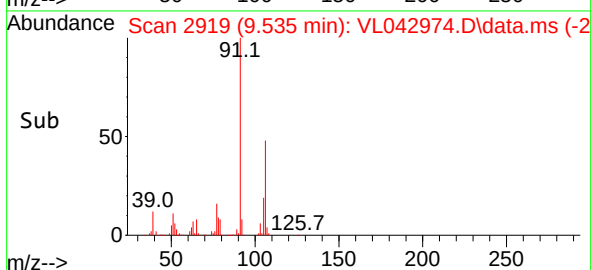
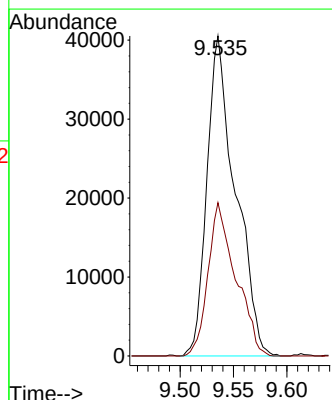
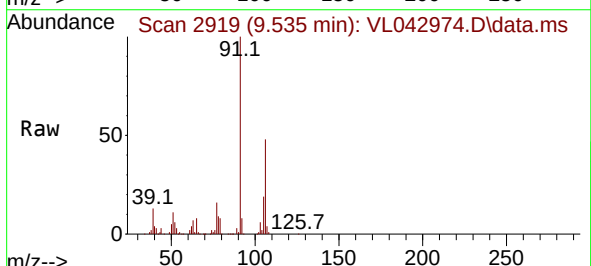
Acq: 23 Sep 2025 01:11

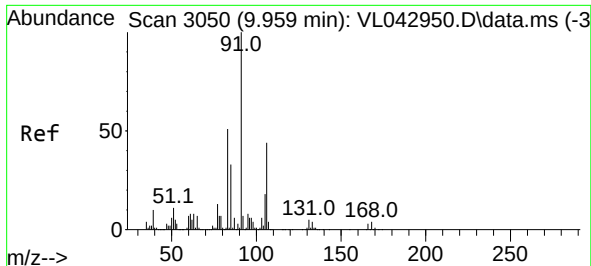
Tgt Ion: 91 Resp: 75106

Ion Ratio Lower Upper

91 100

106 46.6 0.0 0.0#

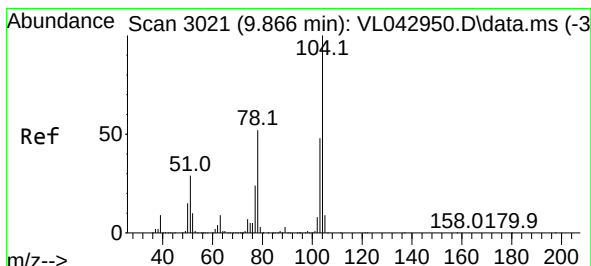
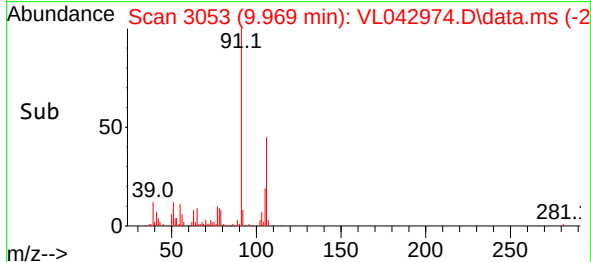
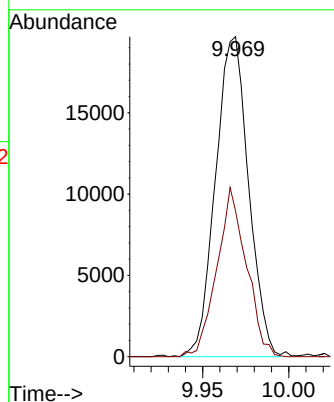
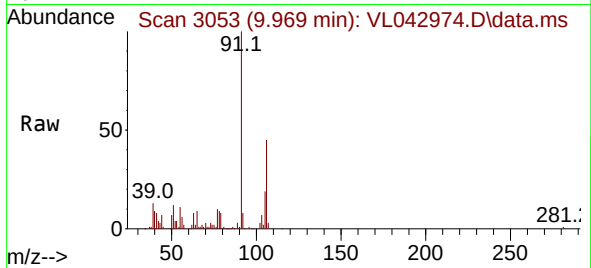




#60
o-Xylene
Concen: 0.538 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

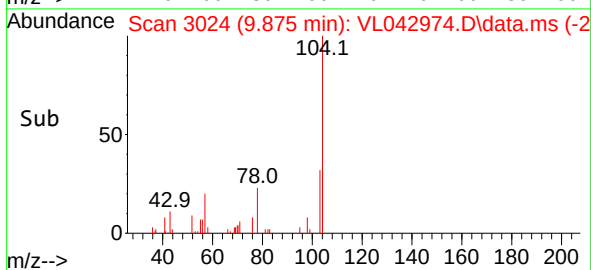
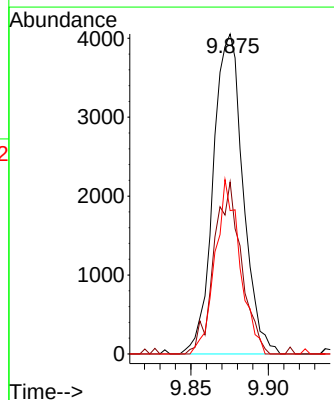
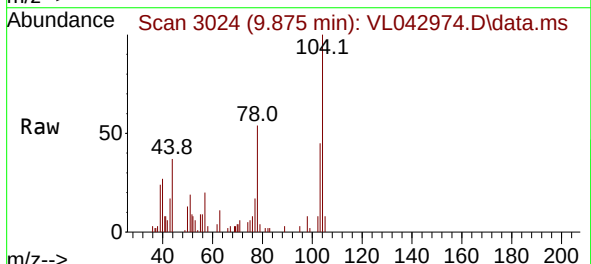
Instrument :
MSVOA_1
ClientSampleId :
141-1A-1

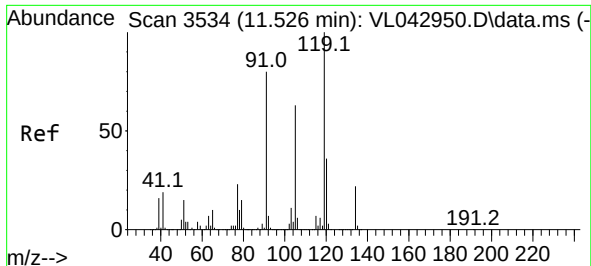
Tgt Ion: 91 Resp: 26261
Ion Ratio Lower Upper
91 100
106 47.2 22.4 67.0



#61
Styrene
Concen: 0.235 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 104 Resp: 5433
Ion Ratio Lower Upper
104 100
78 49.3 39.9 59.9
103 45.3 36.9 55.3

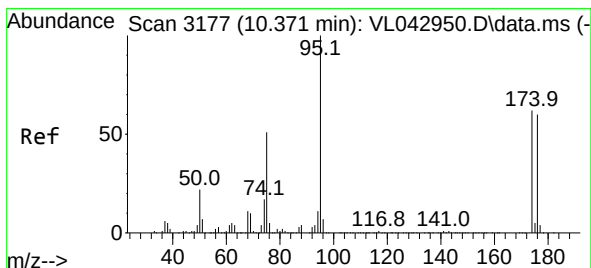
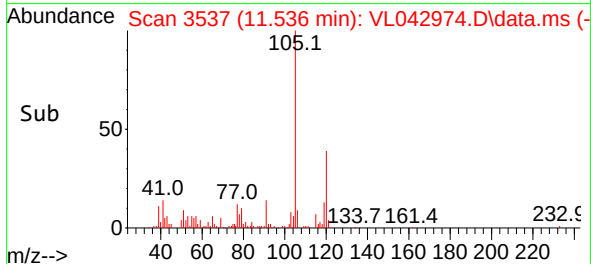
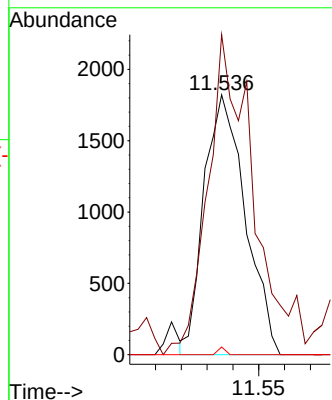
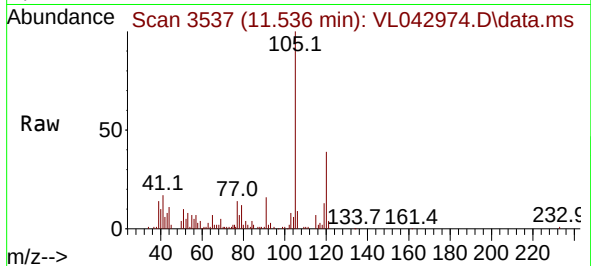




#65
tert-Butylbenzene
Concen: 0.031 ppbv
RT: 11.536 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

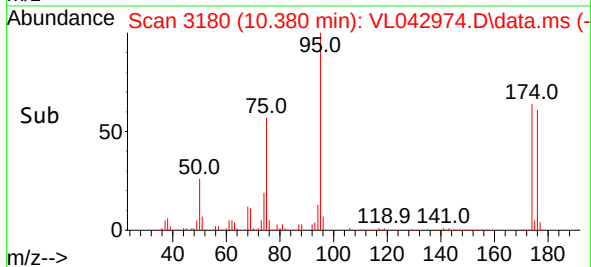
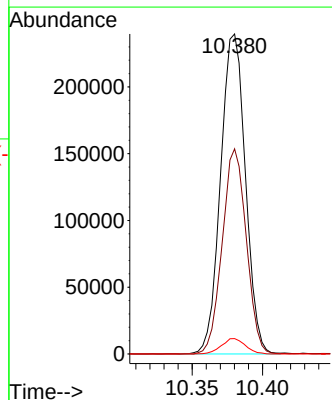
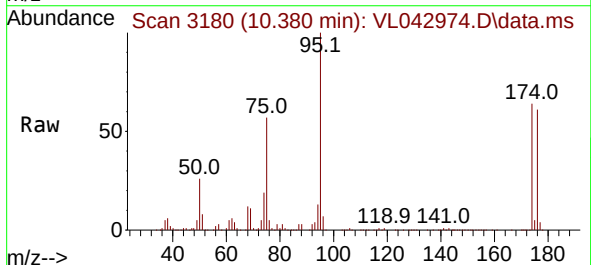
Instrument :
MSVOA_L
ClientSampleId :
141-1A-1

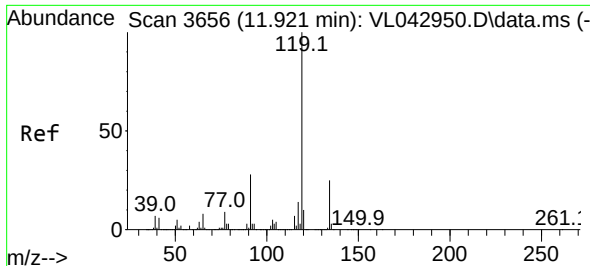
Tgt Ion:119 Resp: 2027
Ion Ratio Lower Upper
119 100
91 151.7 63.1 94.7#
134 0.0 17.0 25.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.458 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.010 min
Lab File: VL042974.D
Acq: 23 Sep 2025 01:11

Tgt Ion: 95 Resp: 294613
Ion Ratio Lower Upper
95 100
174 62.1 51.4 77.2
175 4.6 4.0 6.0

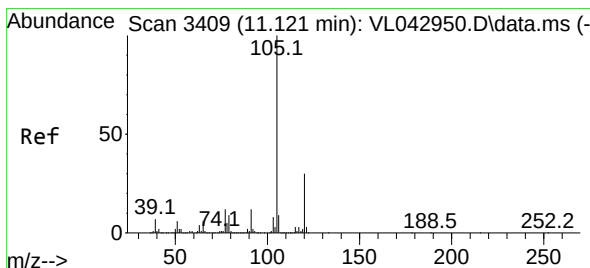
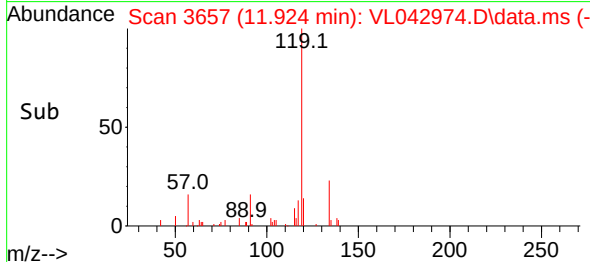
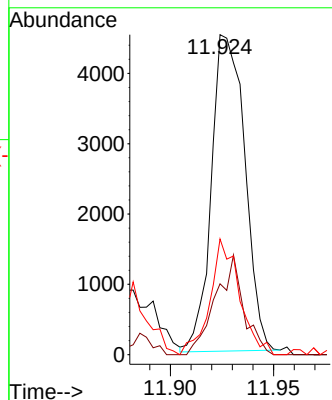
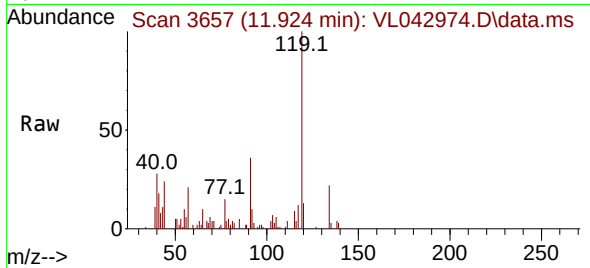




#69
 p-Isopropyltoluene
 Concen: 0.066 ppbv
 RT: 11.924 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

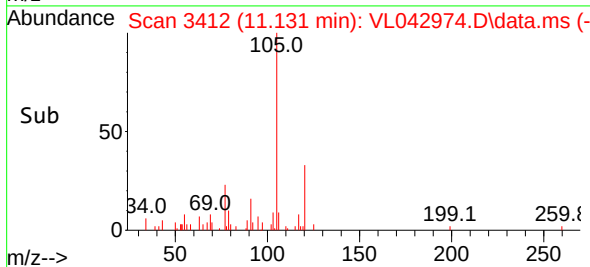
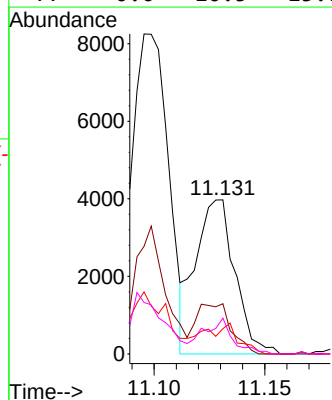
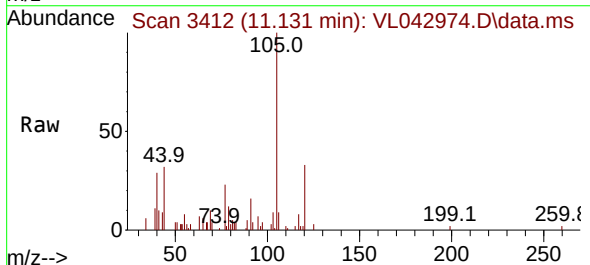
Instrument :
 MSVOA_1
 ClientSampleId :
 141-1A-1

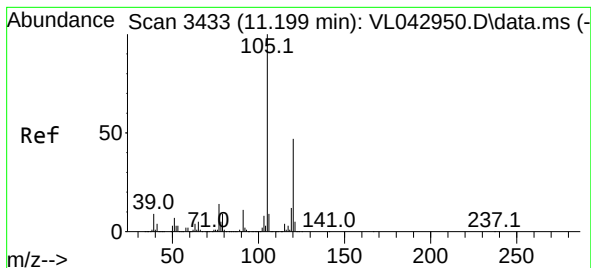
Tgt Ion:	119	Resp:	5064
Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.0	31.4
91	33.0	22.3	33.5



#72
 4-Ethyltoluene
 Concen: 0.081 ppbv
 RT: 11.131 min Scan# 3412
 Delta R.T. 0.010 min
 Lab File: VL042974.D
 Acq: 23 Sep 2025 01:11

Tgt Ion:	105	Resp:	4926
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	0.0	10.0	15.0#
77	0.0	10.5	15.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.103 ppbv

RT: 11.209 min Scan# 3433

Delta R.T. 0.010 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

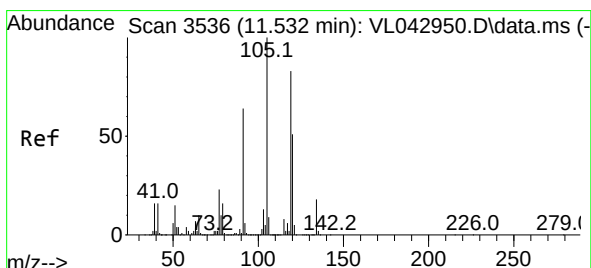
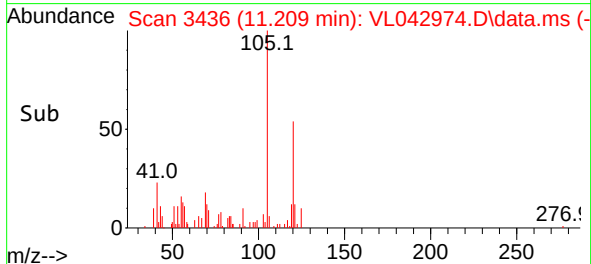
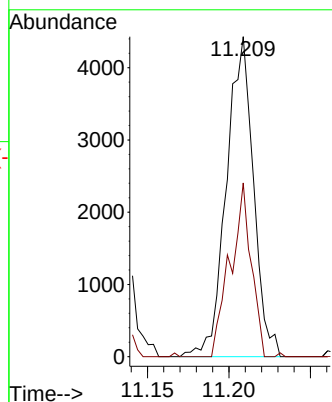
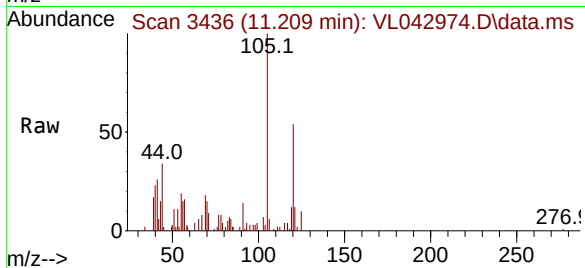
141-1A-1

Tgt Ion:105 Resp: 5102

Ion Ratio Lower Upper

105 100

120 54.3 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 0.290 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Tgt Ion:105 Resp: 15880

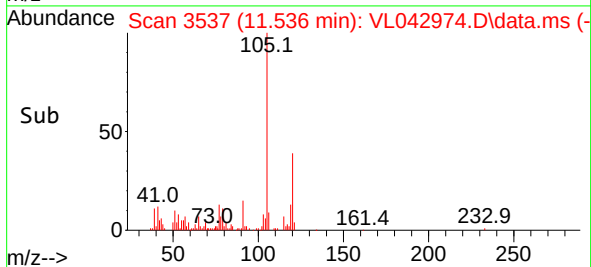
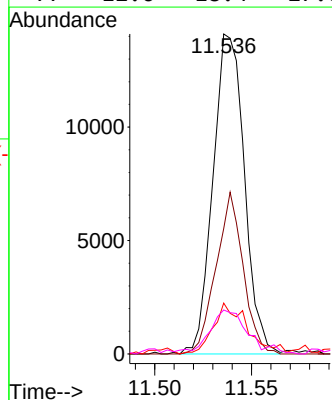
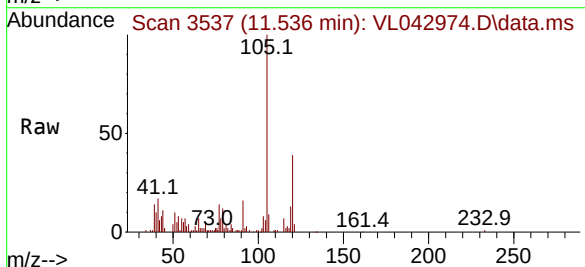
Ion Ratio Lower Upper

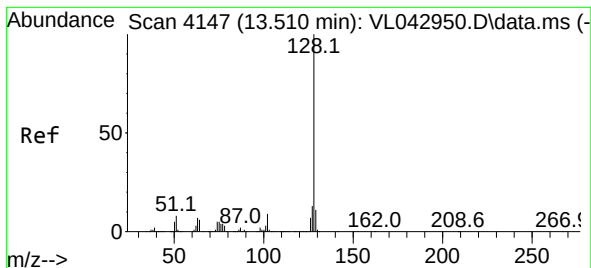
105 100

120 39.2 40.9 61.3#

91 15.9 51.2 76.8#

77 12.6 18.4 27.6#





#79

Naphthalene

Concen: 0.114 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

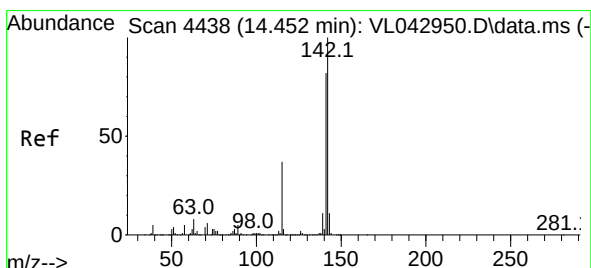
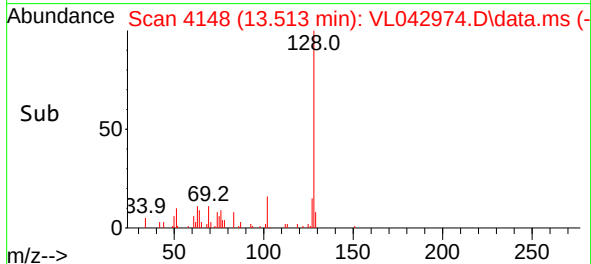
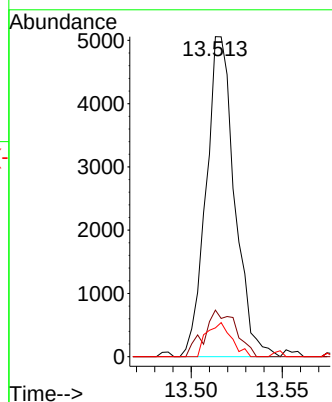
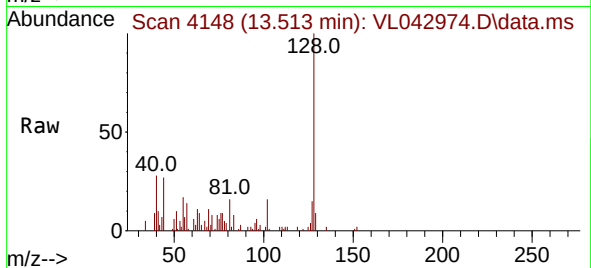
Instrument :

MSVOA_L

ClientSampleId :

141-1A-1

Tgt Ion:128	Resp:	5520
Ion Ratio	Lower	Upper
128	100	
127	14.5	10.6 15.8
129	9.0	9.0 13.6#



#80

Naphthalene,2-methyl-

Concen: 0.283 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.010 min

Lab File: VL042974.D

Acq: 23 Sep 2025 01:11

Tgt Ion:142	Resp:	4230
Ion Ratio	Lower	Upper
142	100	
141	76.1	65.1 97.7
115	40.1	28.9 43.3

