

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039039.D
 Acq On : 11 Sep 2025 11:11
 Operator : SY/MD
 Sample : VSTD01026
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 01:32:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:30:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	827672	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	837253	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	403594	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	72532	10.156	ug/L	0.00
7) Chloroethane-d5	1.545	69	58028	9.180	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.072	65	29690	8.672	ug/L	0.00
21) 2-Butanone-d5	3.635	46	186	0.037	ug/L	-0.14
24) Chloroform-d	4.255	84	117295	8.124	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	70250	8.419	ug/L	0.02
32) Benzene-d6	4.966	84	216028	8.240	ug/L	0.01
36) 1,2-Dichloropropane-d6	5.989	67	85588	9.933	ug/L	0.00
41) Toluene-d8	7.239	98	193747	8.255	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.554	79	31891	8.256	ug/L	0.01
47) 2-Hexanone-d5	8.024	63	33118	9.774	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.143	84	102949	8.047	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.551	152	68993	8.767	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	68257	7.468	ug/L	100
3) Chloromethane	1.230	50	73955	7.880	ug/L	98
5) Vinyl chloride	1.297	62	88215	8.971	ug/L	98
6) Bromomethane	1.500	94	49200	9.943	ug/L	99
8) Chloroethane	1.561	64	55943	9.412	ug/L	96
9) Trichlorofluoromethane	1.728	101	122913	9.380	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	78822	9.996	ug/L	99
12) 1,1-Dichloroethene	2.082	96	68242	9.636	ug/L	90
13) Acetone	2.121	43	126255	32.782	ug/L	98
14) Carbon disulfide	2.252	76	223729	10.275	ug/L	99
15) Methyl Acetate	2.387	43	70419	7.749	ug/L	97
16) Methylene chloride	2.458	84	74692	9.225	ug/L	99
17) trans-1,2-Dichloroethene	2.706	96	64918	9.183	ug/L	96
18) Methyl tert-butyl Ether	2.712	73	173981	8.249	ug/L	98
19) 1,1-Dichloroethane	3.120	63	128217	8.885	ug/L	98
20) cis-1,2-Dichloroethene	3.828	96	65819	8.688	ug/L	98
22) 2-Butanone	3.831	43	37	0.007	ug/L #	1
23) Bromochloromethane	4.162	128	39796	9.868	ug/L	97
25) Chloroform	4.284	83	132782	9.239	ug/L	98
27) 1,2-Dichloroethane	5.046	62	94514	8.763	ug/L	98
29) Cyclohexane	4.587	56	98852	8.483	ug/L #	87
30) 1,1,1-Trichloroethane	4.519	97	119284	9.778	ug/L #	86
31) Carbon tetrachloride	4.738	117	105140	9.858	ug/L	100
33) Benzene	5.014	78	264406	9.128	ug/L	100
34) Trichloroethene	5.837	95	72509	9.442	ug/L	96
35) Methylcyclohexane	6.046	83	104766	8.632	ug/L	97
37) 1,2-Dichloropropane	6.091	63	71689	8.694	ug/L #	97
38) Bromodichloromethane	6.432	83	97380	8.949	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	95937	8.028	ug/L	98
40) 4-Methyl-2-pentanone	7.152	43	149149	13.451	ug/L	99
42) Toluene	7.313	91	276541	9.128	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	99767	8.518	ug/L	99

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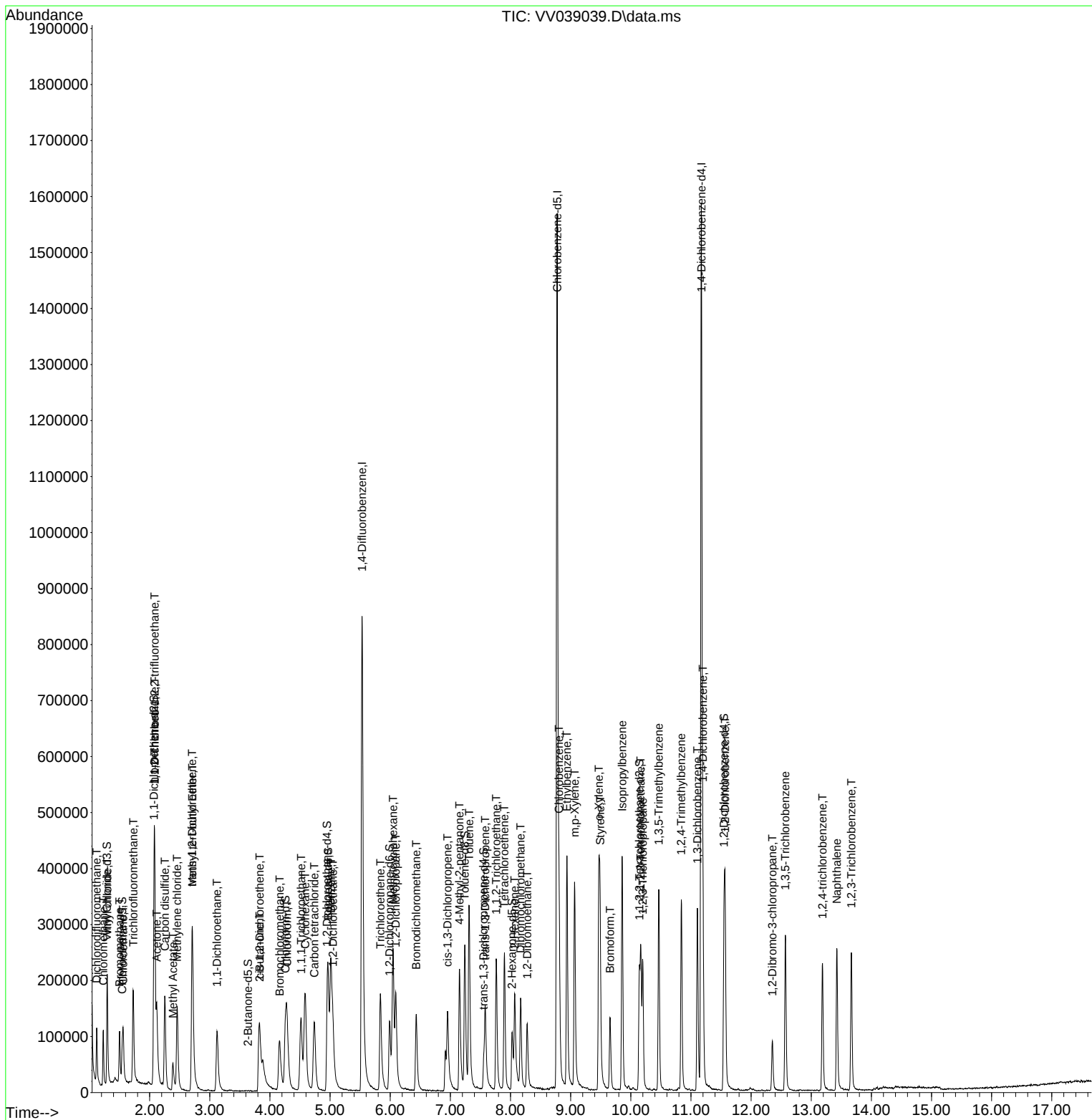
Quant Time: Sep 12 01:32:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
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 QLast Update : Fri Sep 12 01:30:58 2025
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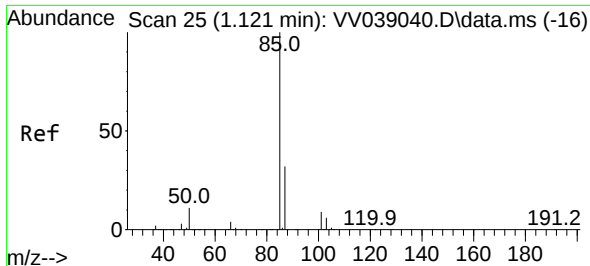
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.763	97	78173	9.440	ug/L	97
46) Tetrachloroethene	7.898	164	57182	9.989	ug/L	97
48) 2-Hexanone	8.069	43	107921	13.458	ug/L	99
49) Dibromochloromethane	8.169	129	83212	9.933	ug/L	96
50) 1,2-Dibromoethane	8.278	107	83270	9.895	ug/L	97
51) Chlorobenzene	8.805	112	197720	9.775	ug/L	98
52) Ethylbenzene	8.937	91	297903	9.208	ug/L	99
53) m,p-Xylene	9.066	106	108369	9.118	ug/L	99
54) o-Xylene	9.468	106	96671	8.404	ug/L	99
55) Styrene	9.490	104	168942	8.452	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.165	83	124972	9.317	ug/L	97
59) Bromoform	9.657	173	59108	10.506	ug/L	99
60) Isopropylbenzene	9.857	105	266717	9.340	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	93700	9.743	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	196188	8.809	ug/L	99
63) 1,2,4-Trimethylbenzene	10.840	105	190698	8.696	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	138335	10.134	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	153515	10.448	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	134819	9.773	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	25269	9.145	ug/L	98
69) 1,3,5-Trichlorobenzene	12.570	180	87444	9.688	ug/L	100
70) 1,2,4-trichlorobenzene	13.188	180	68970	8.934	ug/L	98
71) Naphthalene	13.426	128	206611	7.594	ug/L	98
72) 1,2,3-Trichlorobenzene	13.667	180	73340	9.069	ug/L	98

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

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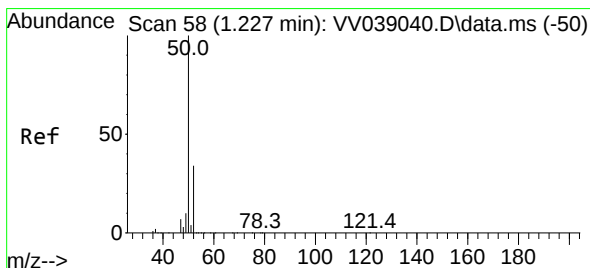
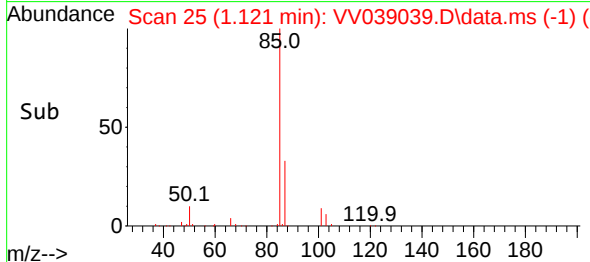
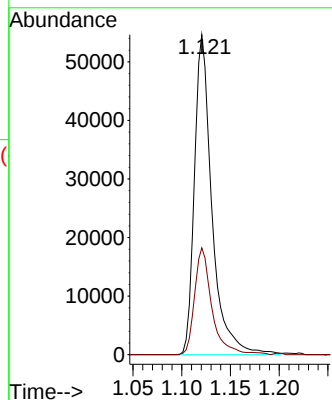
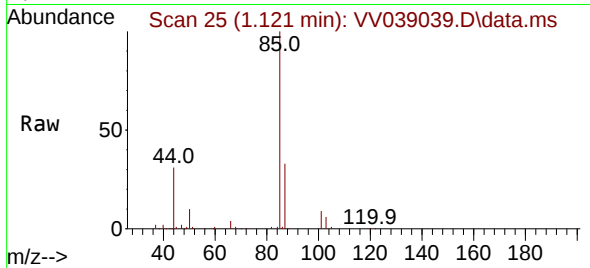




#2
 Dichlorodifluoromethane
 Concen: 7.468 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039039.D
 Acq: 11 Sep 2025 11:11

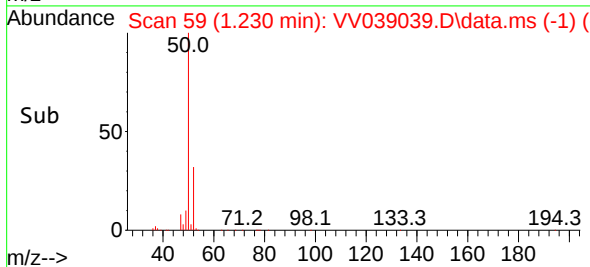
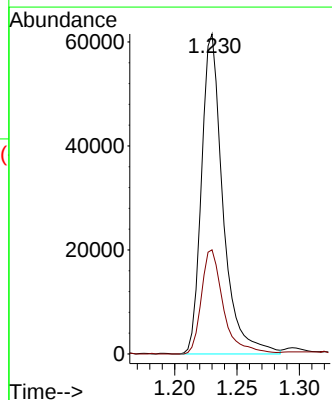
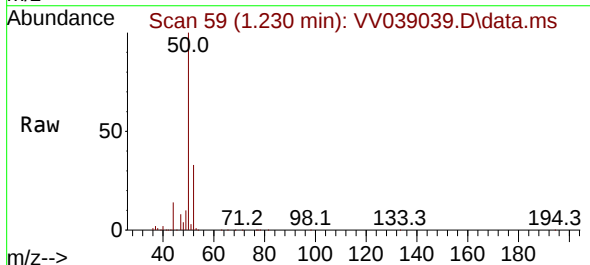
Instrument :
 MSVOA_V
 ClientSampleId :

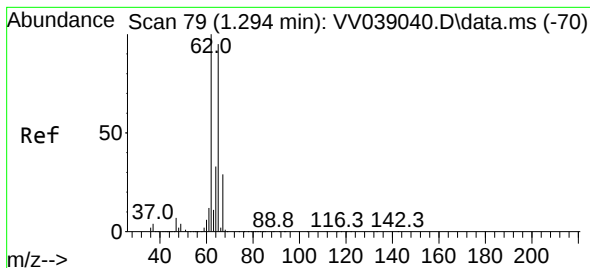
Tgt Ion: 85 Resp: 68257
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.8 38.8



#3
 Chloromethane
 Concen: 7.880 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.003 min
 Lab File: VV039039.D
 Acq: 11 Sep 2025 11:11

Tgt Ion: 50 Resp: 73955
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.6 43.8





#5

Vinyl chloride

Concen: 8.971 ug/L

RT: 1.297 min Scan# 80

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

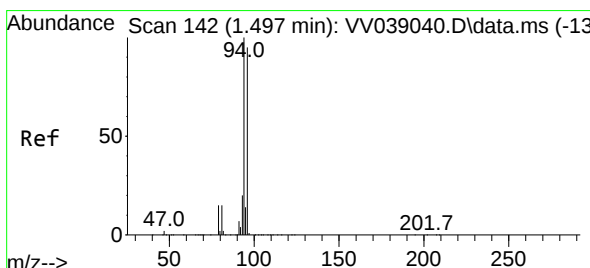
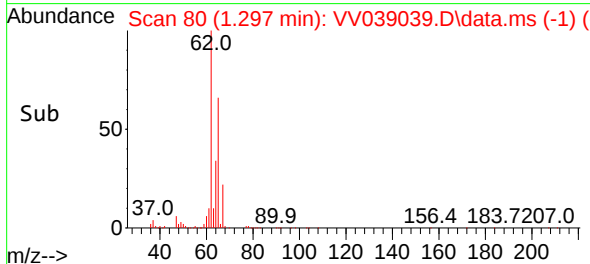
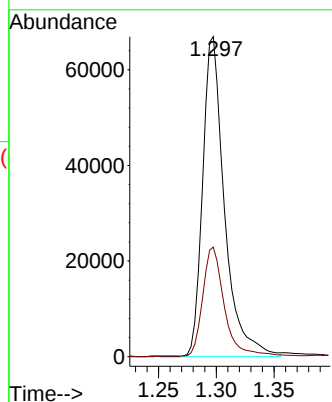
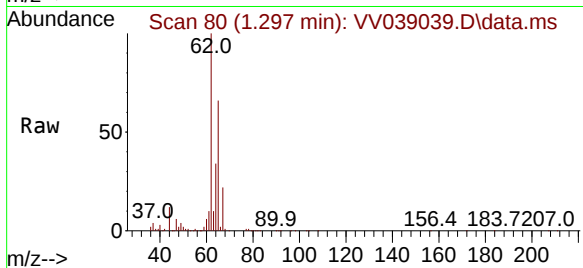
ClientSampleId :

Tgt Ion: 62 Resp: 88215

Ion Ratio Lower Upper

62 100

64 34.3 23.4 43.4



#6

Bromomethane

Concen: 9.943 ug/L

RT: 1.500 min Scan# 143

Delta R.T. 0.003 min

Lab File: VV039039.D

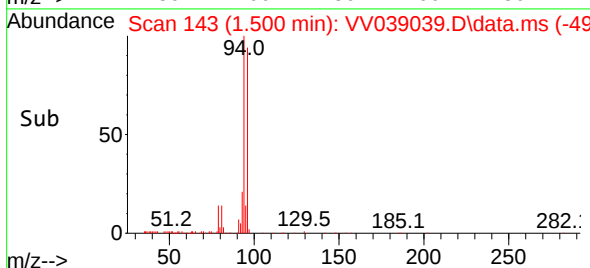
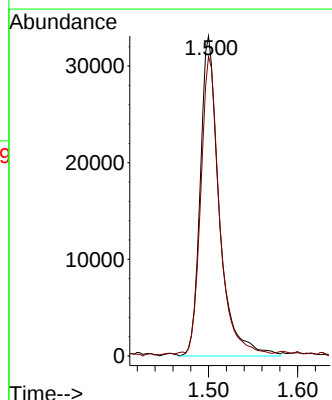
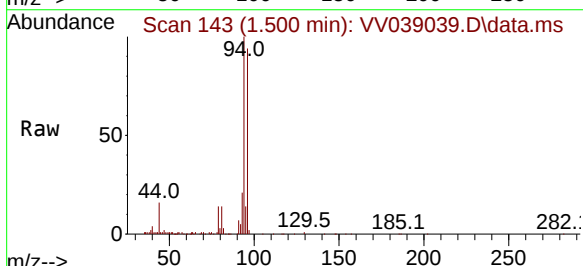
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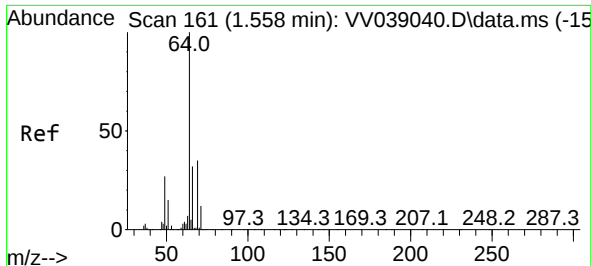
Tgt Ion: 94 Resp: 49200

Ion Ratio Lower Upper

94 100

96 93.6 66.3 123.1

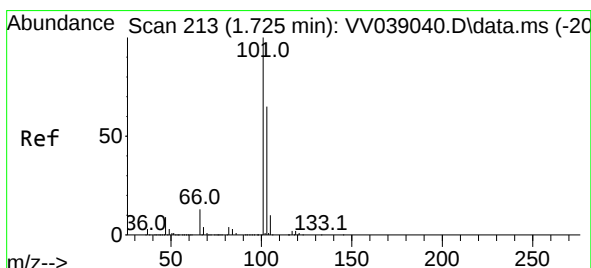
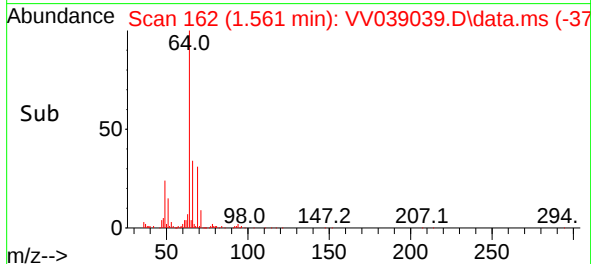
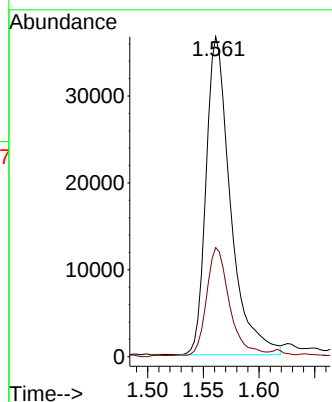
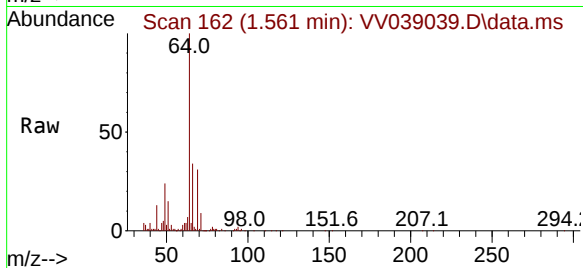




#8
Chloroethane
Concen: 9.412 ug/L
RT: 1.561 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

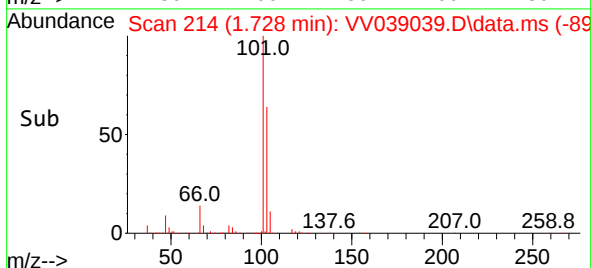
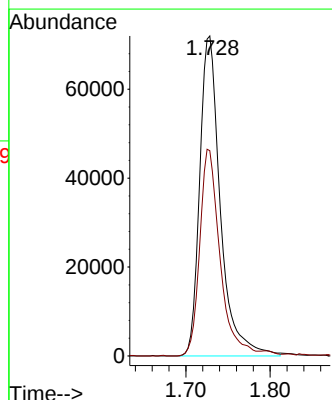
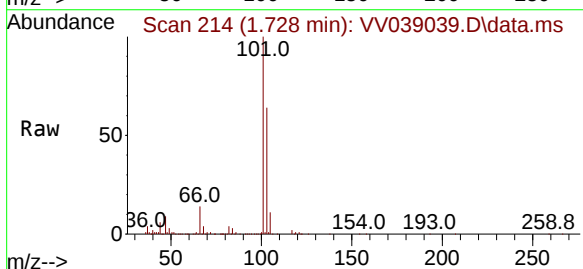
Instrument :
MSVOA_V
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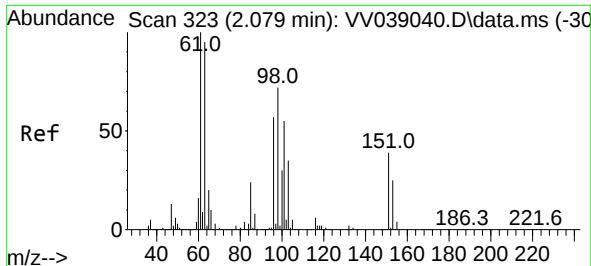
Tgt Ion: 64 Resp: 55943
Ion Ratio Lower Upper
64 100
66 34.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 9.380 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 101 Resp: 122913
Ion Ratio Lower Upper
101 100
103 63.3 52.1 78.1

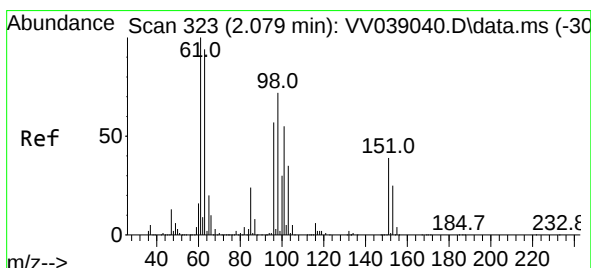
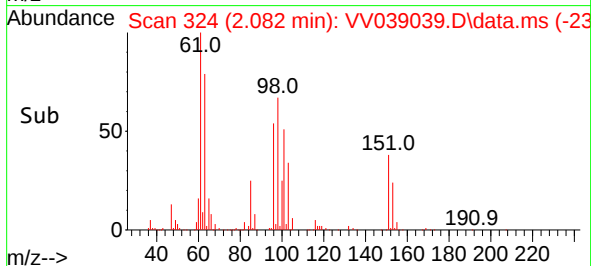
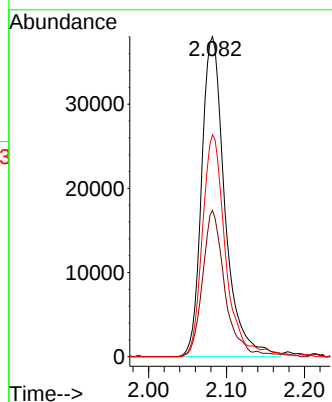
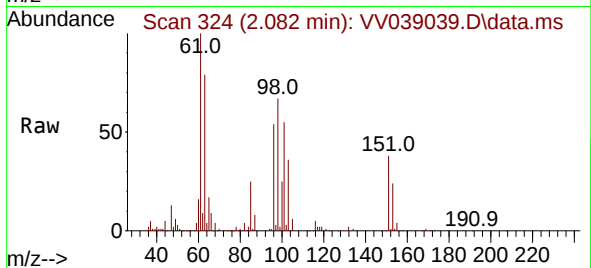




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.996 ug/L
 RT: 2.082 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039039.D
 Acq: 11 Sep 2025 11:11

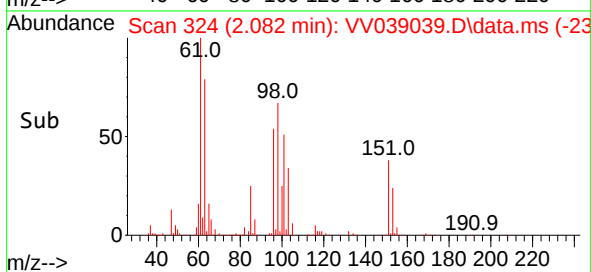
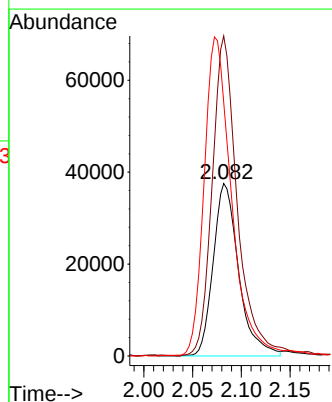
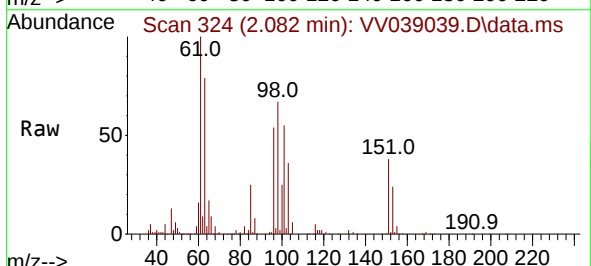
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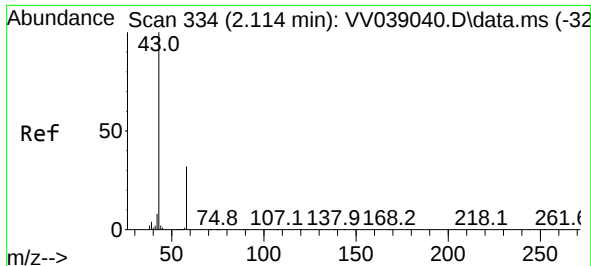
Tgt Ion:101 Resp: 78822
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.7 52.1
 151 66.7 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 9.636 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. 0.003 min
 Lab File: VV039039.D
 Acq: 11 Sep 2025 11:11

Tgt Ion: 96 Resp: 68242
 Ion Ratio Lower Upper
 96 100
 61 185.5 123.3 229.1
 63 147.0 116.6 216.6

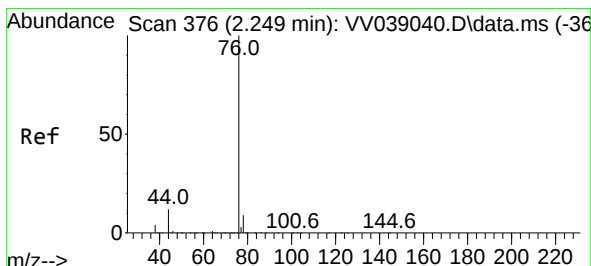
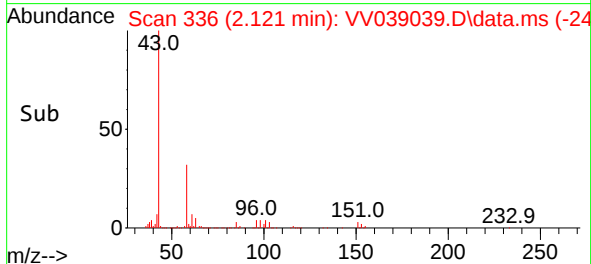
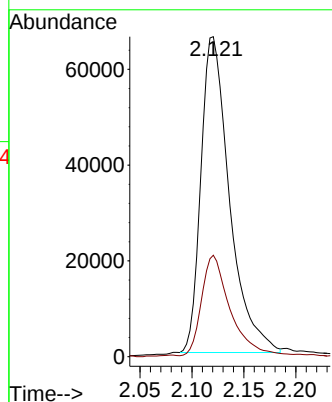
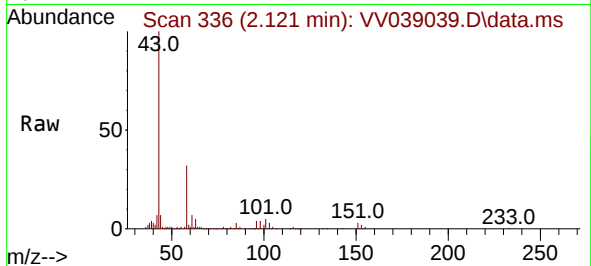




#13
Acetone
Concen: 32.782 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

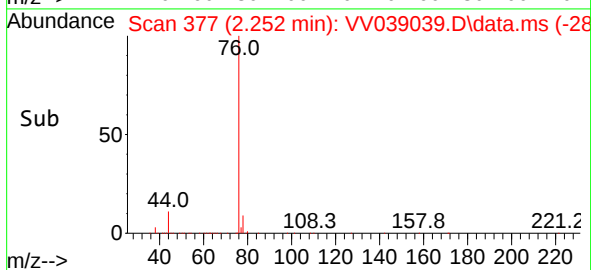
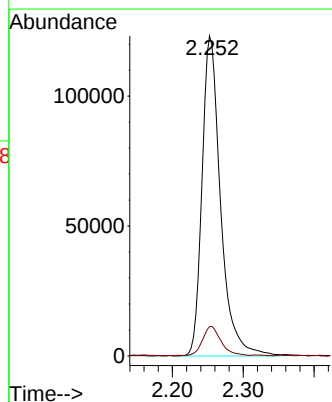
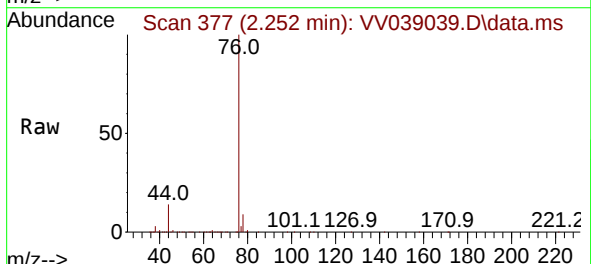
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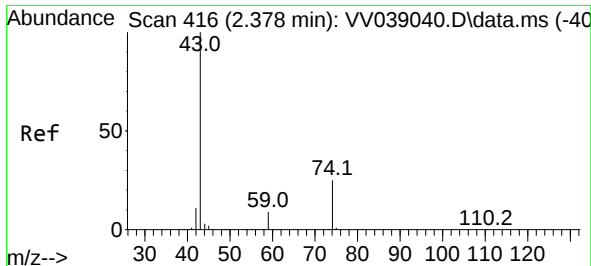
Tgt Ion: 43 Resp: 126255
Ion Ratio Lower Upper
43 100
58 31.8 0.0 65.8



#14
Carbon disulfide
Concen: 10.275 ug/L
RT: 2.252 min Scan# 377
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 76 Resp: 223729
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

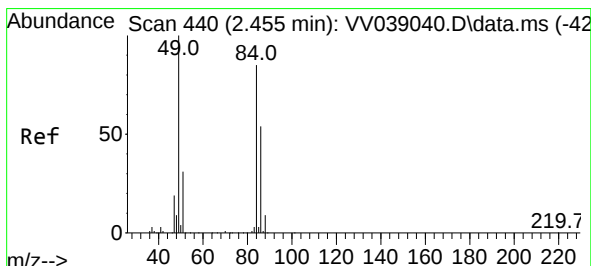
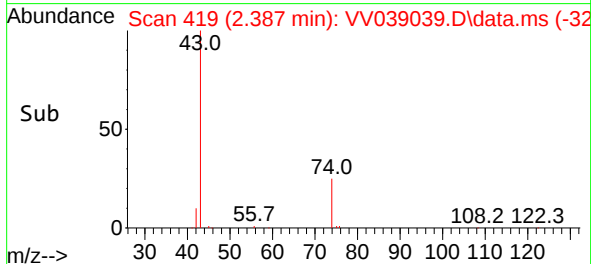
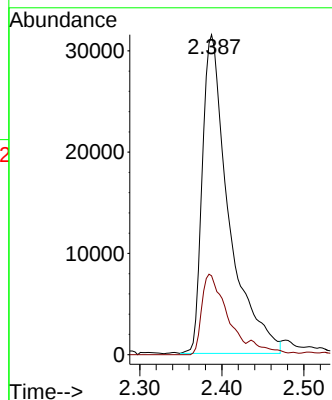
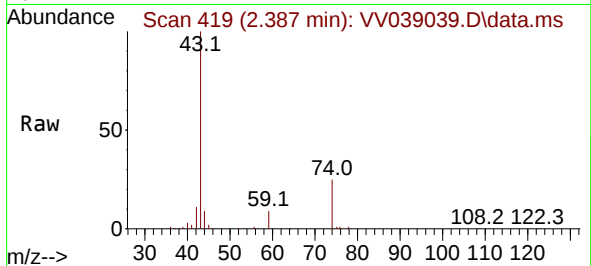




#15
Methyl Acetate
Concen: 7.749 ug/L
RT: 2.387 min Scan# 416
Delta R.T. 0.010 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

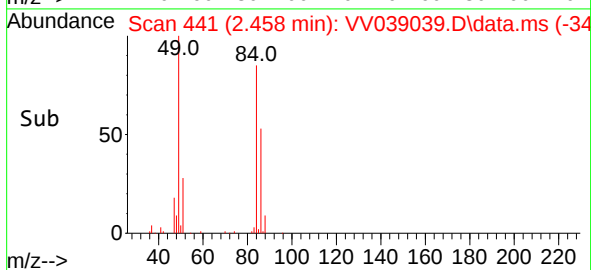
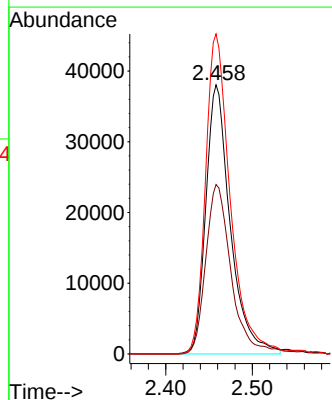
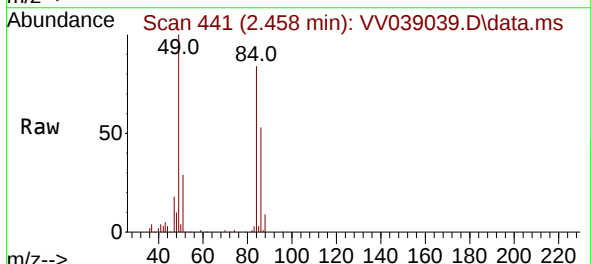
Instrument :
MSVOA_V
ClientSampleId :

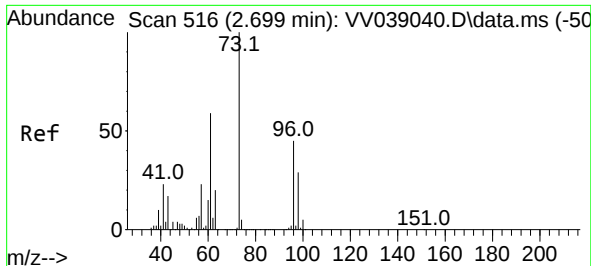
Tgt Ion: 43 Resp: 70419
Ion Ratio Lower Upper
43 100
74 23.1 19.6 29.4



#16
Methylene chloride
Concen: 9.225 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 84 Resp: 74692
Ion Ratio Lower Upper
84 100
86 63.0 44.7 83.1
49 118.9 82.0 152.4





#17

trans-1,2-Dichloroethene

Concen: 9.183 ug/L

RT: 2.706 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

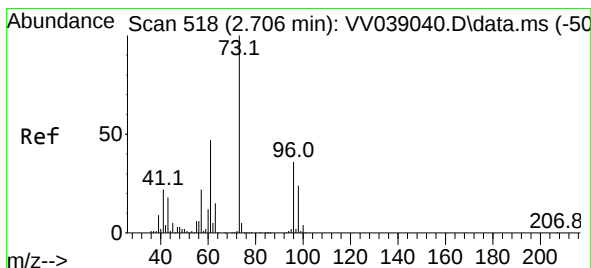
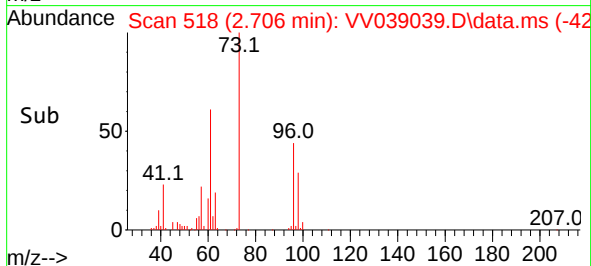
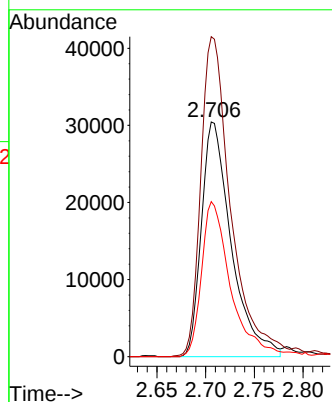
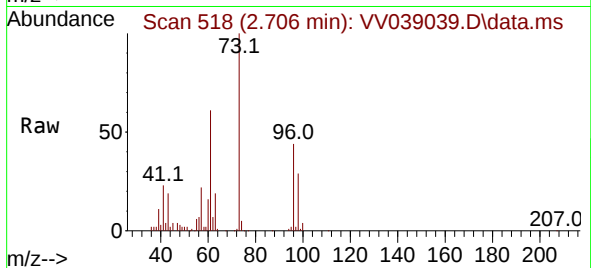
Tgt Ion: 96 Resp: 64918

Ion Ratio Lower Upper

96 100

61 136.3 91.3 169.5

98 66.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 8.249 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.006 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

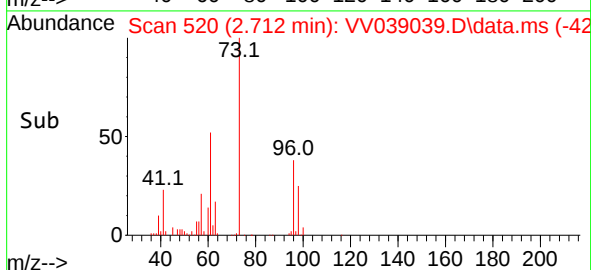
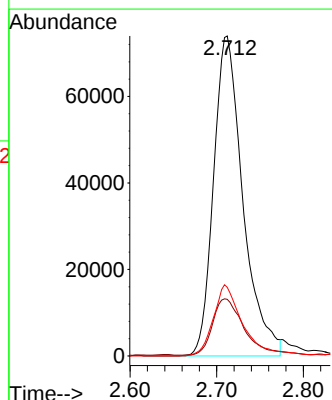
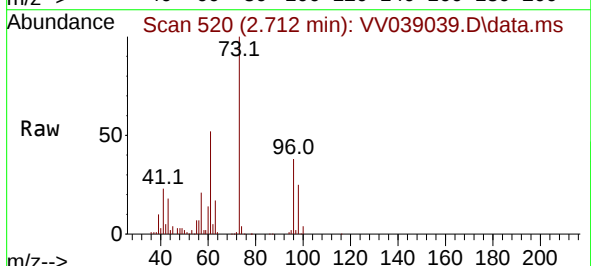
Tgt Ion: 73 Resp: 173981

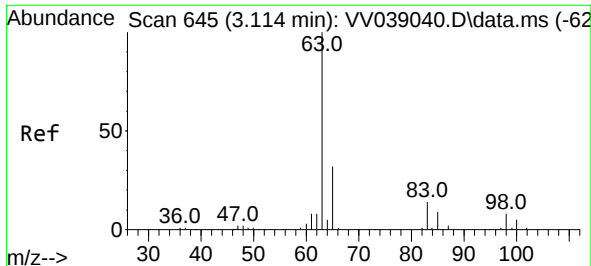
Ion Ratio Lower Upper

73 100

43 19.2 14.2 21.4

57 21.6 17.5 26.3





#19

1,1-Dichloroethane

Concen: 8.885 ug/L

RT: 3.120 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

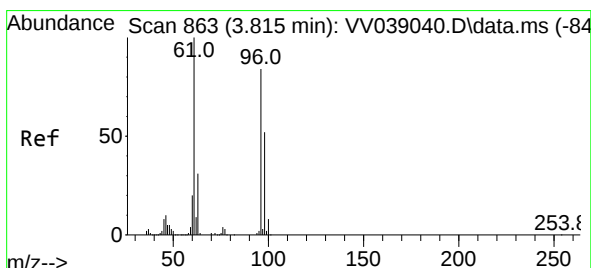
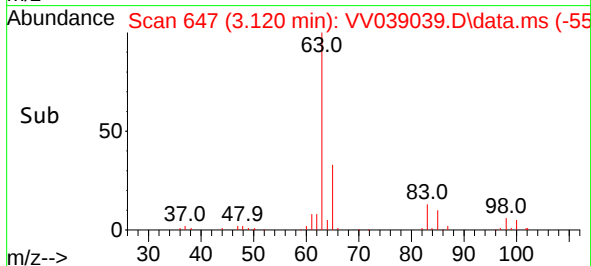
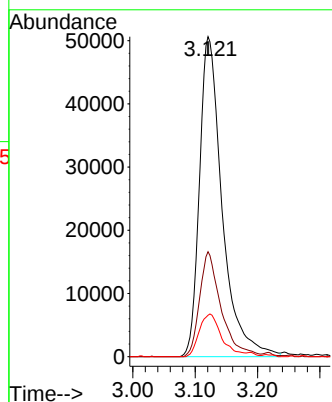
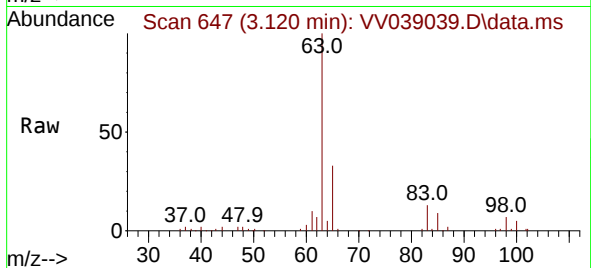
Tgt Ion: 63 Resp: 128217

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

83 13.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 8.688 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.013 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

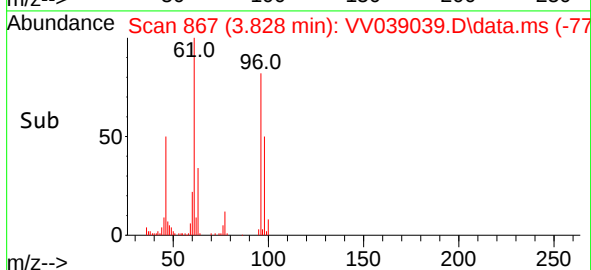
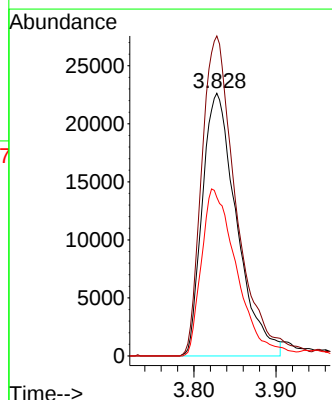
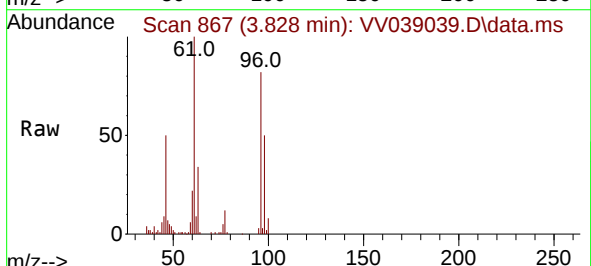
Tgt Ion: 96 Resp: 65819

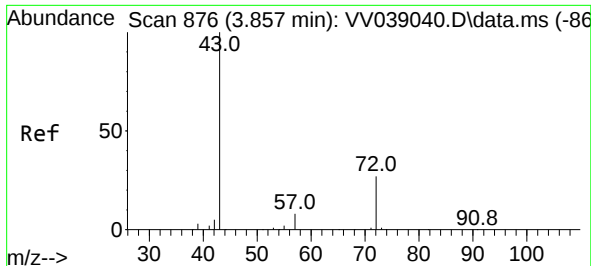
Ion Ratio Lower Upper

96 100

61 121.8 83.8 155.6

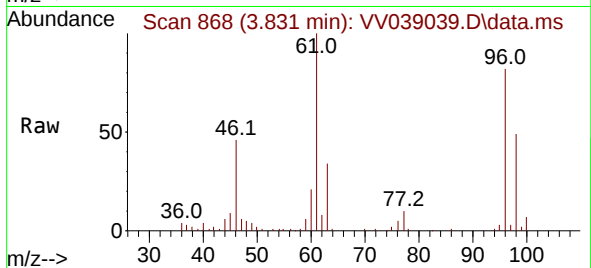
98 60.4 43.5 80.9



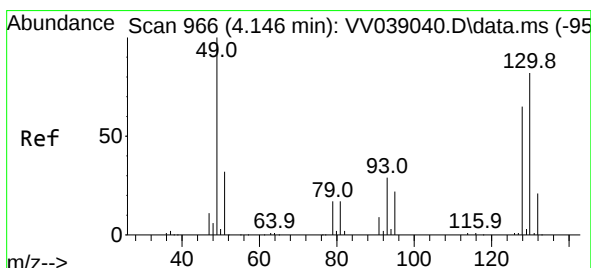
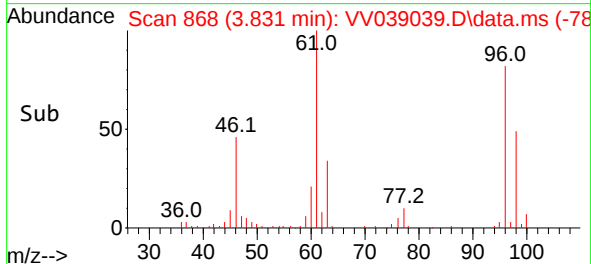
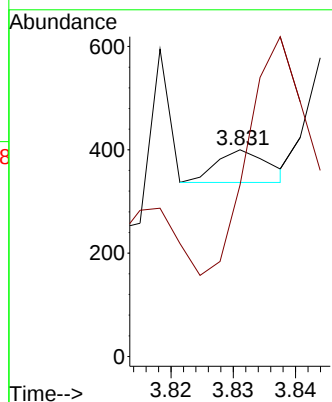


#22
2-Butanone
Concen: 0.007 ug/L
RT: 3.831 min Scan# 80
Delta R.T. -0.026 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Instrument :
MSVOA_V
ClientSampleId :

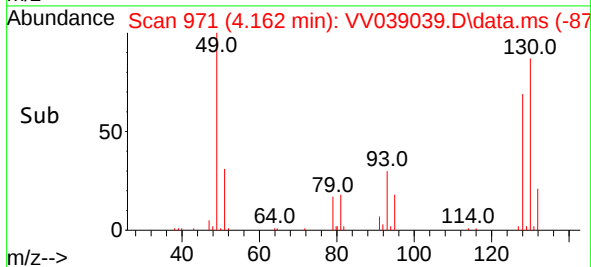
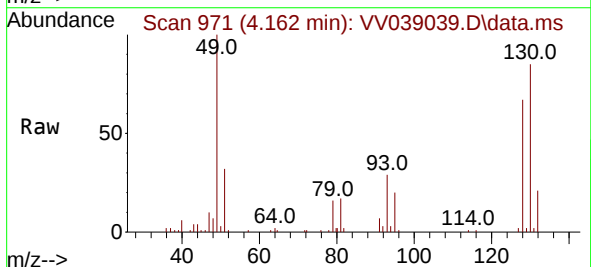
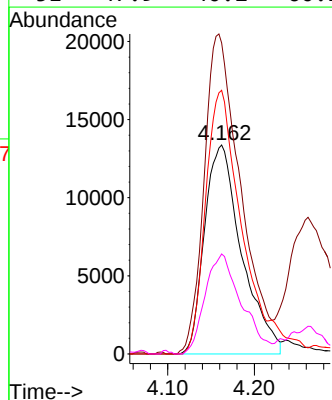


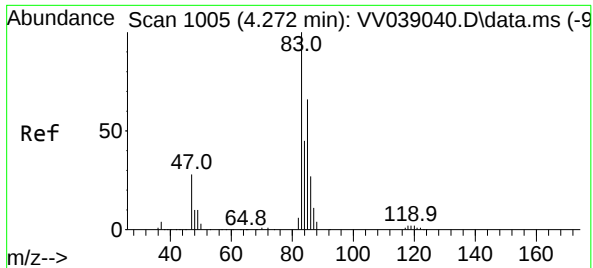
Tgt Ion: 43 Resp: 37
Ion Ratio Lower Upper
43 100
72 827.0 13.2 39.5#



#23
Bromochloromethane
Concen: 9.868 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.016 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion:128 Resp: 39796
Ion Ratio Lower Upper
128 100
49 148.8 108.4 201.4
130 126.2 89.1 165.5
51 47.9 40.2 60.2

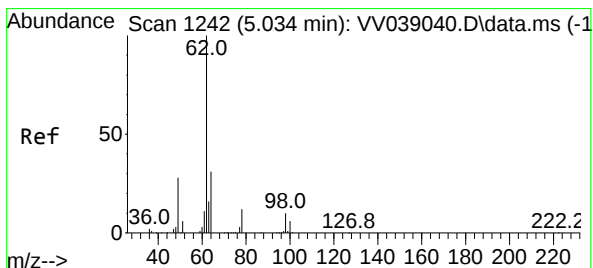
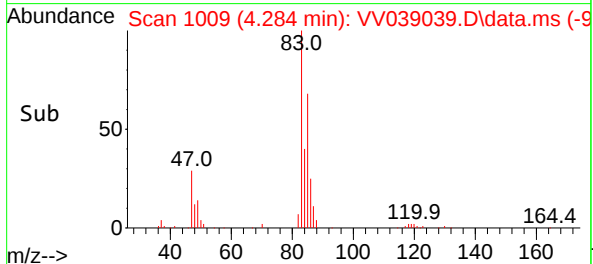
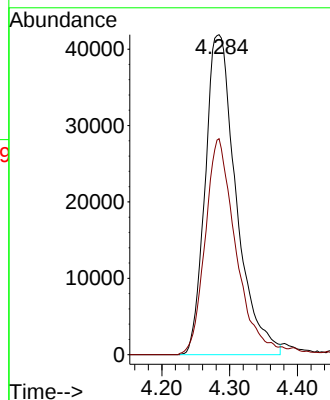
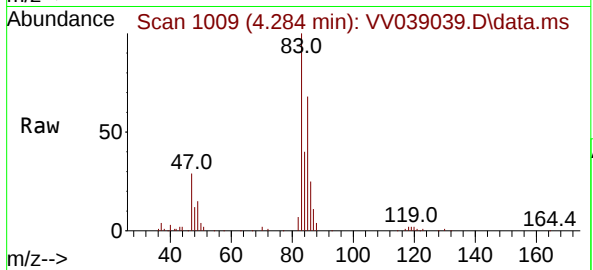




#25
Chloroform
Concen: 9.239 ug/L
RT: 4.284 min Scan# 1005
Delta R.T. 0.013 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

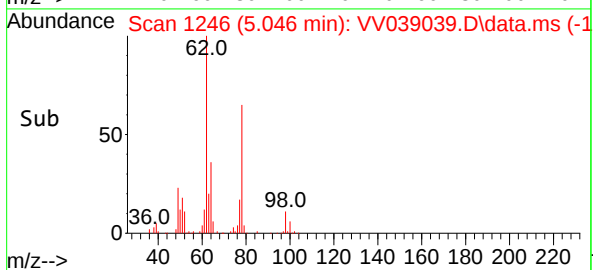
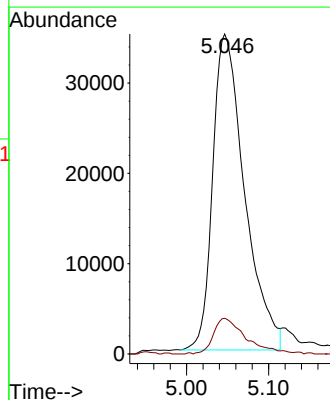
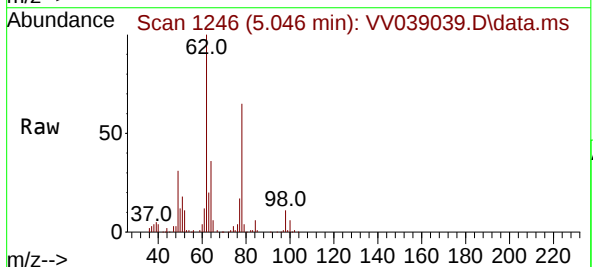
Instrument :
MSVOA_V
ClientSampleId :

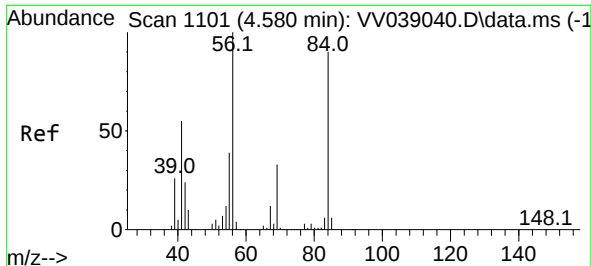
Tgt Ion: 83 Resp: 132782
Ion Ratio Lower Upper
83 100
85 67.5 46.1 85.5



#27
1,2-Dichloroethane
Concen: 8.763 ug/L
RT: 5.046 min Scan# 1246
Delta R.T. 0.013 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 62 Resp: 94514
Ion Ratio Lower Upper
62 100
98 11.1 8.2 12.4





#29

Cyclohexane

Concen: 8.483 ug/L

RT: 4.587 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

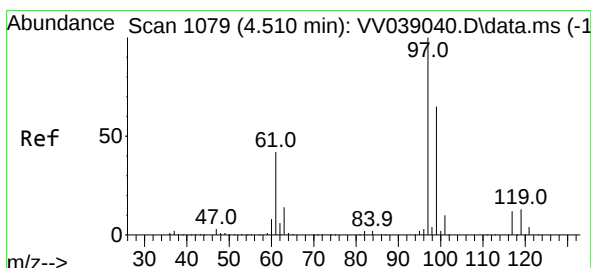
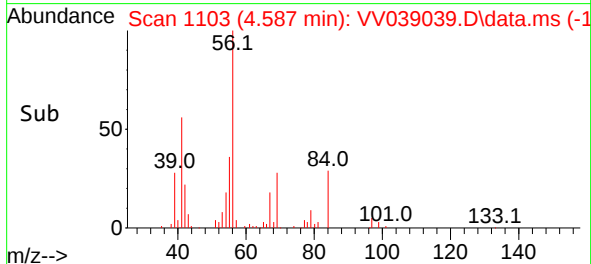
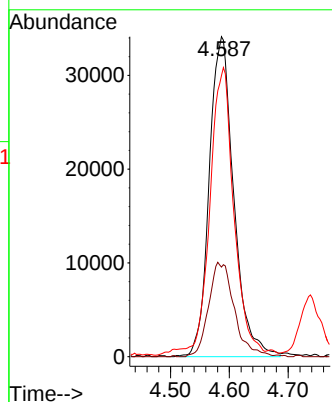
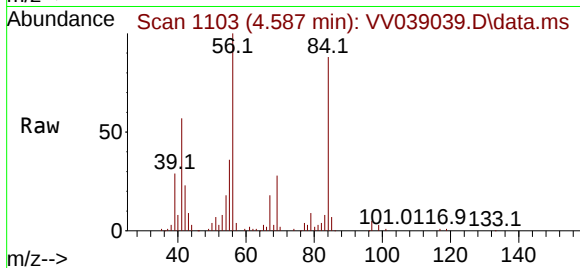
Tgt Ion: 56 Resp: 98852

Ion Ratio Lower Upper

56 100

69 15.9 25.1 37.7#

84 84.1 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 9.778 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.010 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

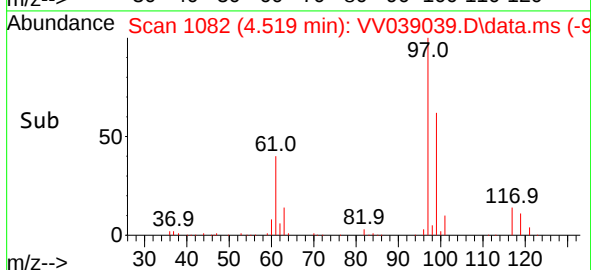
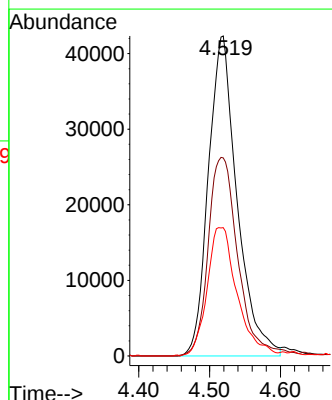
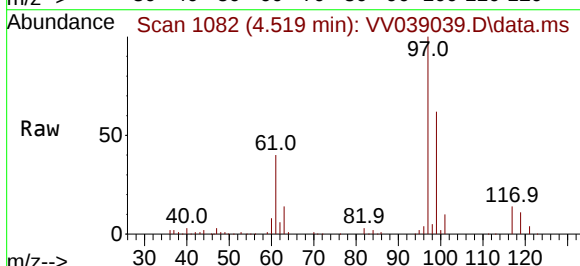
Tgt Ion: 97 Resp: 119284

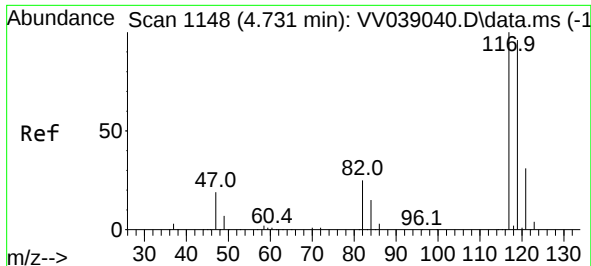
Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

61 20.2 33.7 50.5#

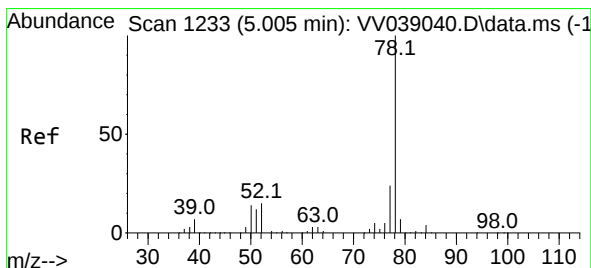
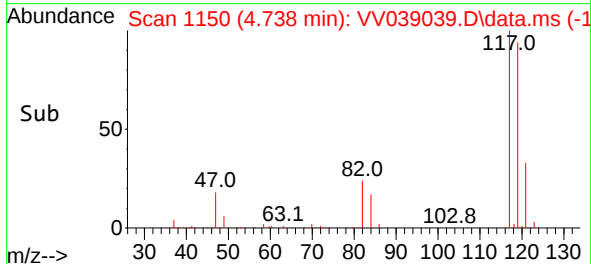
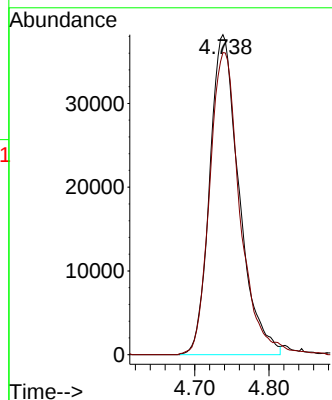
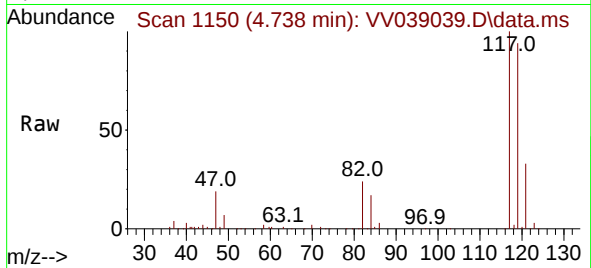




#31
Carbon tetrachloride
Concen: 9.858 ug/L
RT: 4.738 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

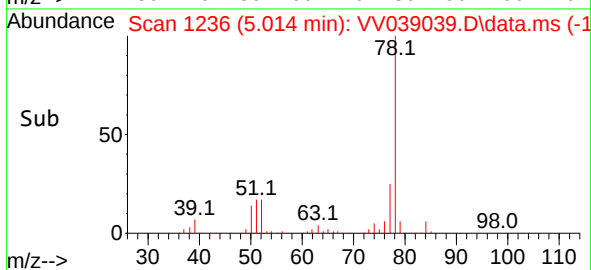
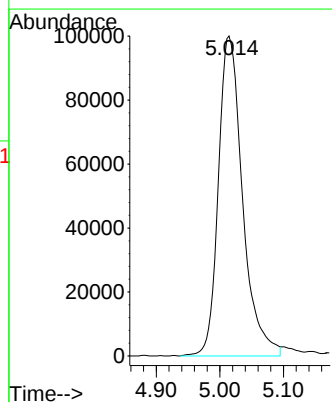
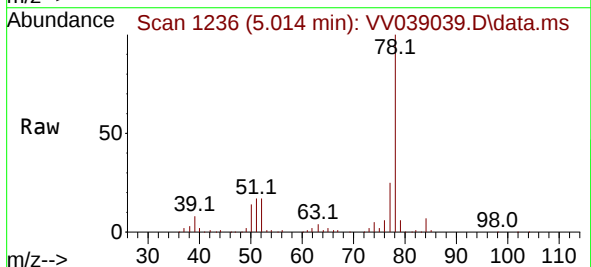
Instrument :
MSVOA_V
ClientSampleId :

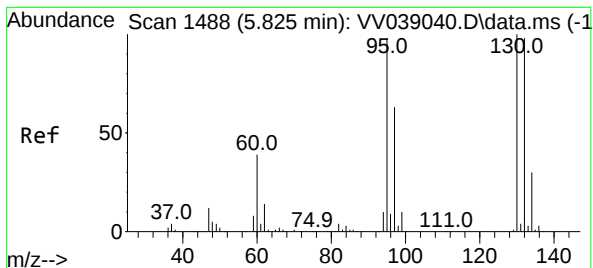
Tgt Ion:117 Resp: 105140
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4



#33
Benzene
Concen: 9.128 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 78 Resp: 264406





#34

Trichloroethene

Concen: 9.442 ug/L

RT: 5.837 min Scan# 1488

Delta R.T. 0.013 min

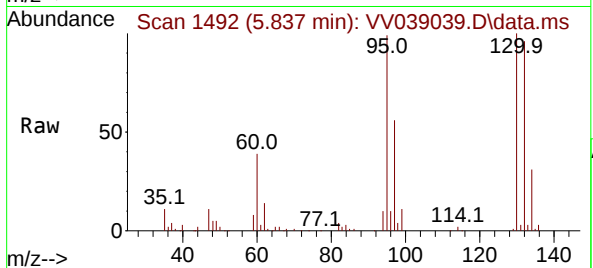
Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 72509

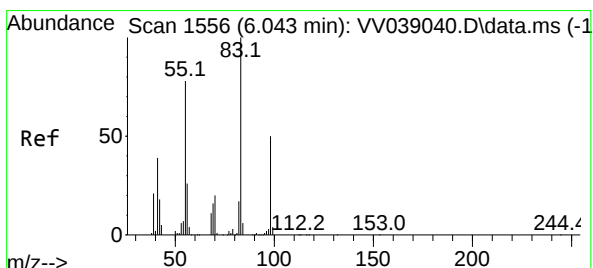
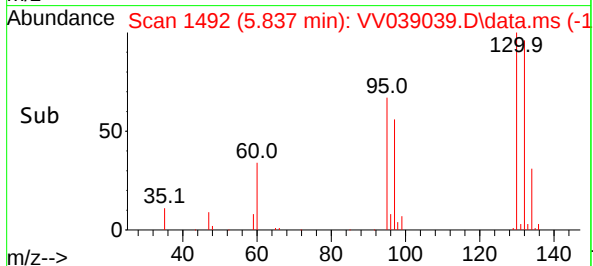
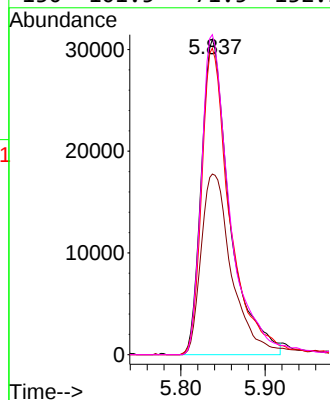
Ion Ratio Lower Upper

95 100

97 57.3 45.4 84.2

132 97.2 69.9 129.7

130 101.5 71.5 132.9



#35

Methylcyclohexane

Concen: 8.632 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

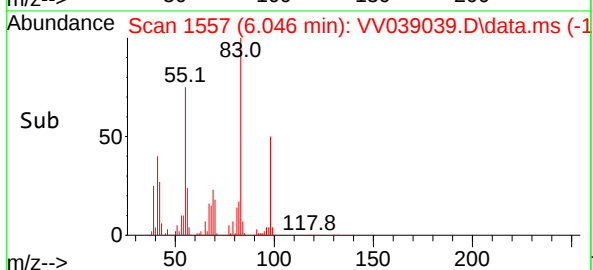
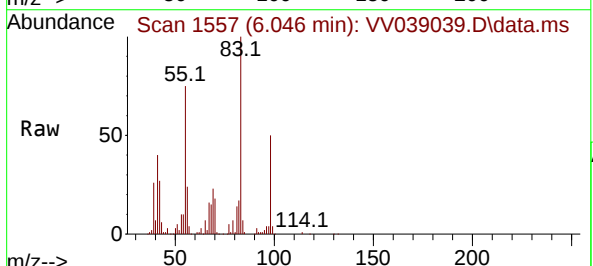
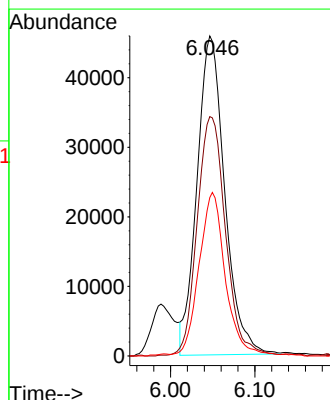
Tgt Ion: 83 Resp: 104766

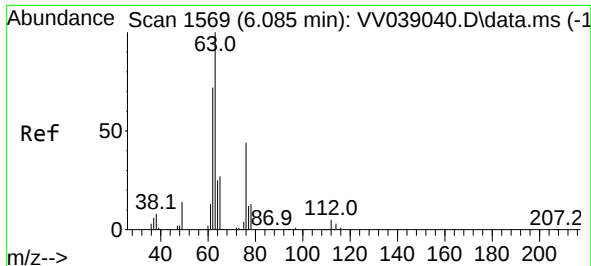
Ion Ratio Lower Upper

83 100

55 77.1 59.0 88.6

98 48.4 37.7 56.5





#37

1,2-Dichloropropane

Concen: 8.694 ug/L

RT: 6.091 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

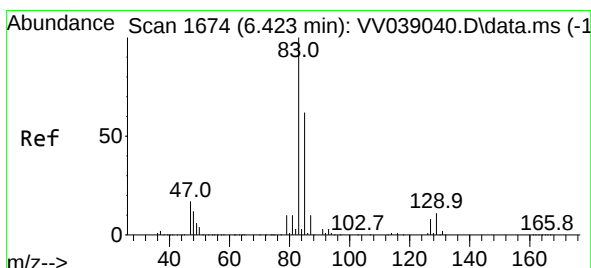
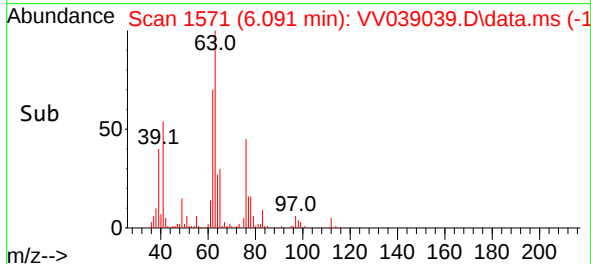
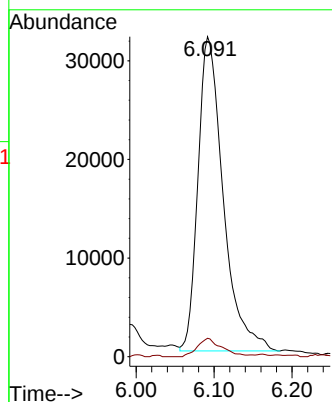
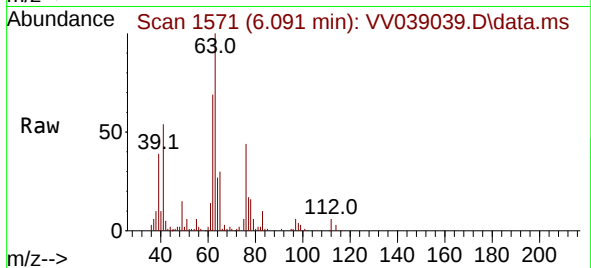
ClientSampleId :

Tgt Ion: 63 Resp: 71689

Ion Ratio Lower Upper

63 100

112 5.4 3.6 5.4#



#38

Bromodichloromethane

Concen: 8.949 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.010 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

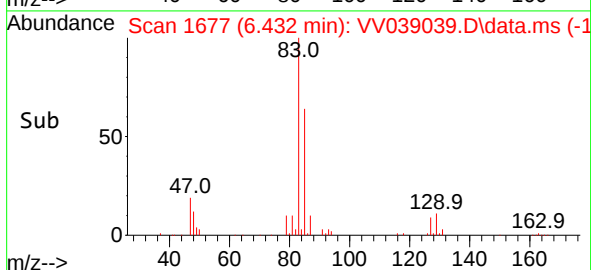
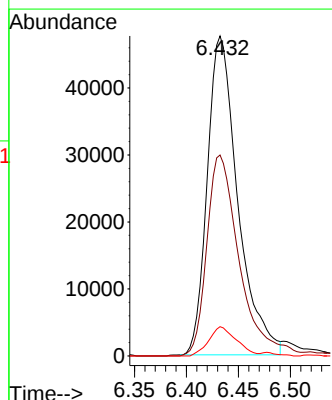
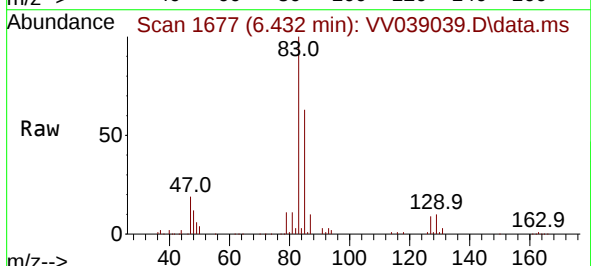
Tgt Ion: 83 Resp: 97380

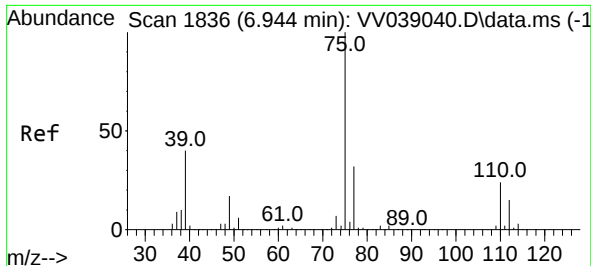
Ion Ratio Lower Upper

83 100

85 62.8 43.5 80.7

127 9.2 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 8.028 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

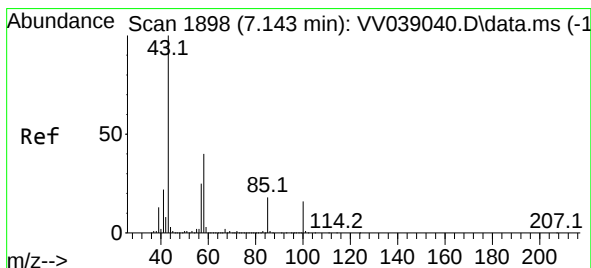
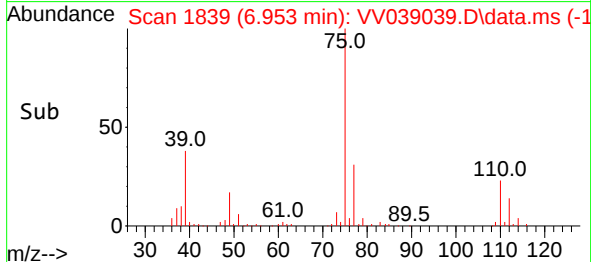
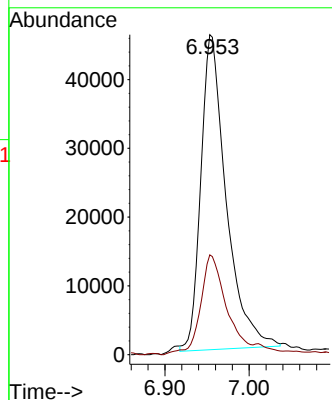
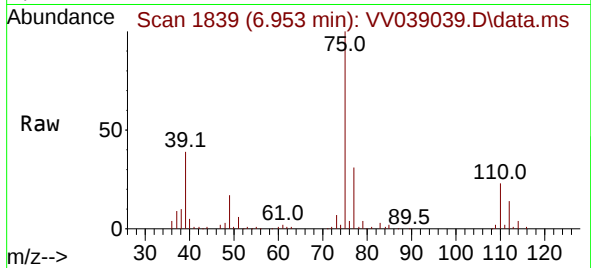
ClientSampleId :

Tgt Ion: 75 Resp: 95937

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 13.451 ug/L

RT: 7.152 min Scan# 1901

Delta R.T. 0.010 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

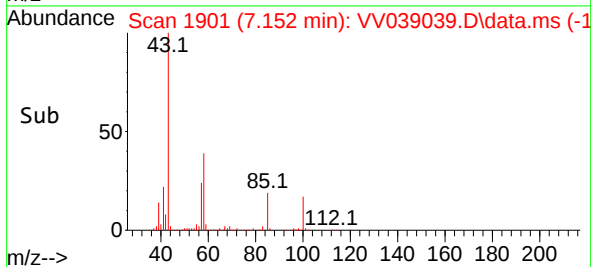
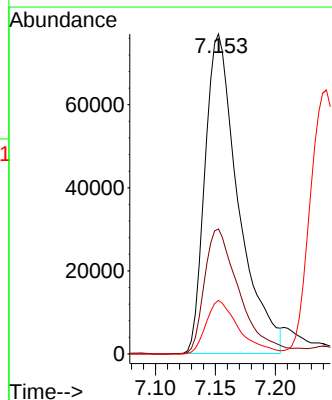
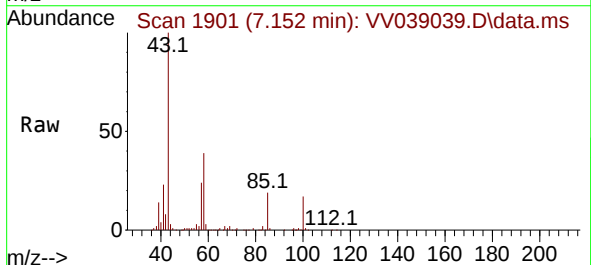
Tgt Ion: 43 Resp: 149149

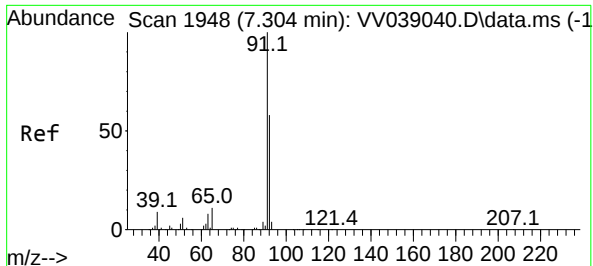
Ion Ratio Lower Upper

43 100

58 40.9 32.6 48.8

100 16.5 12.7 19.1

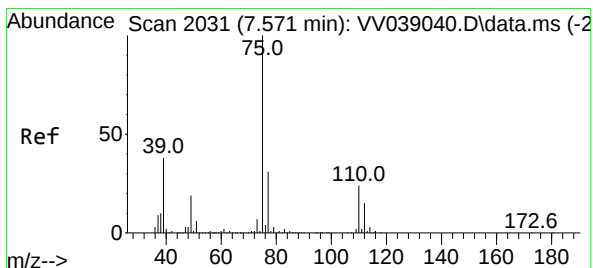
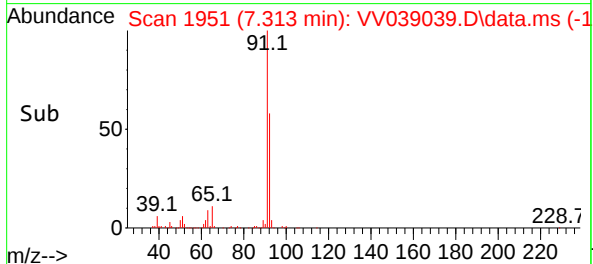
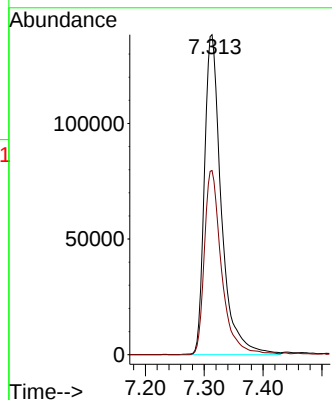
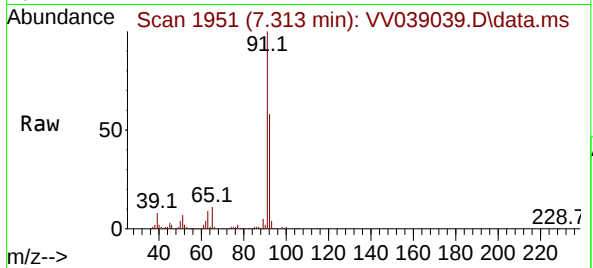




#42
Toluene
Concen: 9.128 ug/L
RT: 7.313 min Scan# 1948
Delta R.T. 0.010 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

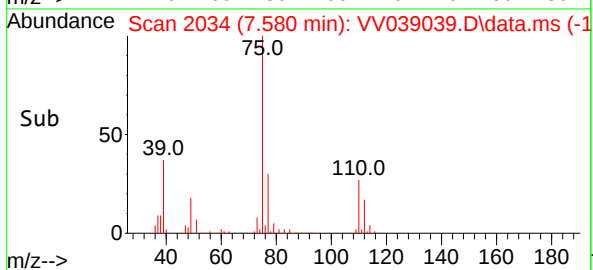
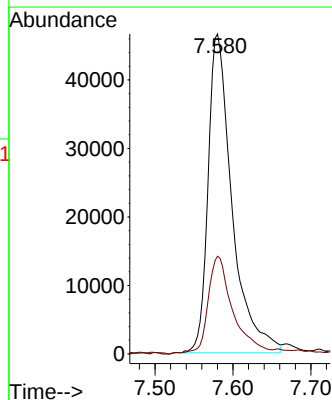
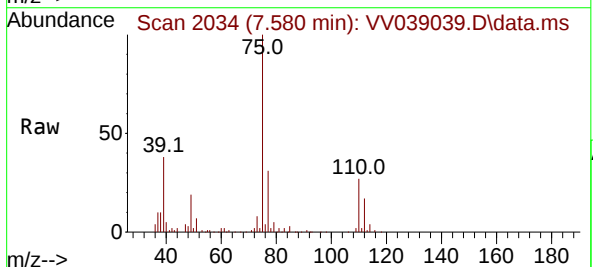
Instrument :
MSVOA_V
ClientSampleId :

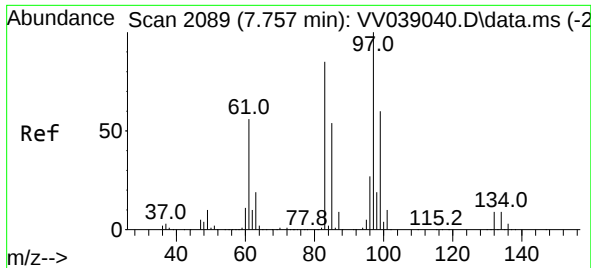
Tgt Ion: 91 Resp: 276541
Ion Ratio Lower Upper
91 100
92 57.5 40.9 75.9



#44
trans-1,3-Dichloropropene
Concen: 8.518 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.010 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 75 Resp: 99767
Ion Ratio Lower Upper
75 100
77 30.5 21.6 40.2

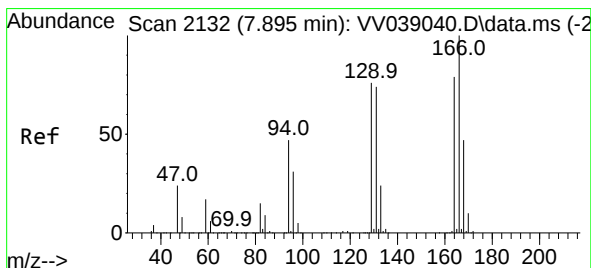
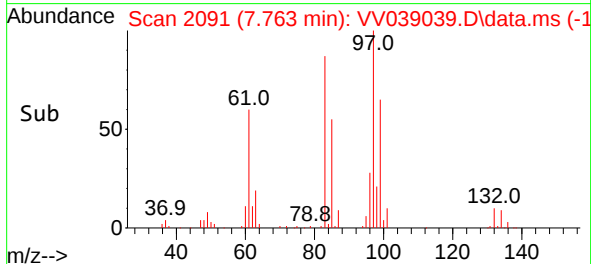
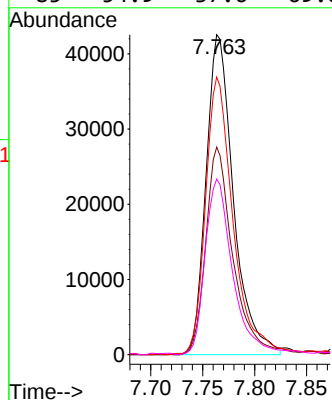
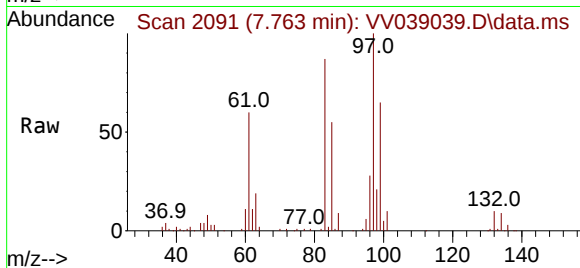




#45
1,1,2-Trichloroethane
Concen: 9.440 ug/L
RT: 7.763 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

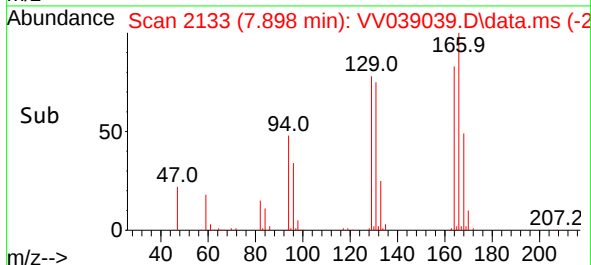
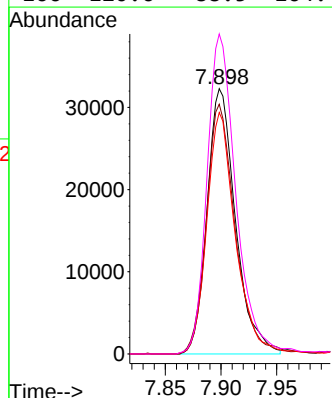
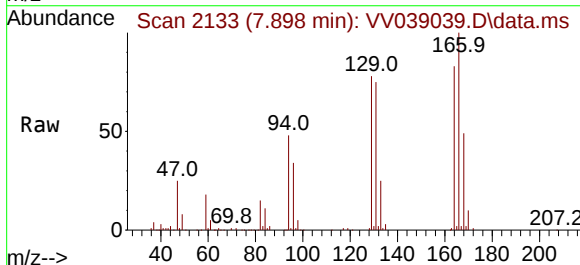
Instrument :
MSVOA_V
ClientSampleId :

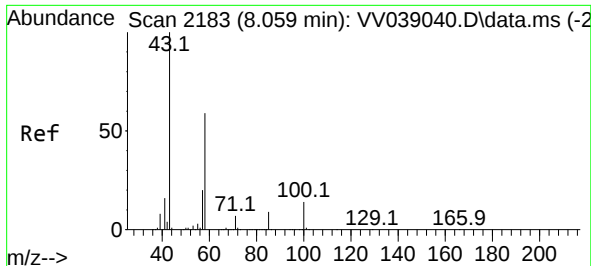
Tgt Ion:	97	Resp:	78173
Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.3	78.5
83	86.7	59.4	110.2
85	54.9	37.6	69.8



#46
Tetrachloroethene
Concen: 9.989 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion:	164	Resp:	57182
Ion	Ratio	Lower	Upper
164	100		
129	94.2	67.0	124.4
131	91.1	65.6	121.8
166	120.6	88.5	164.4

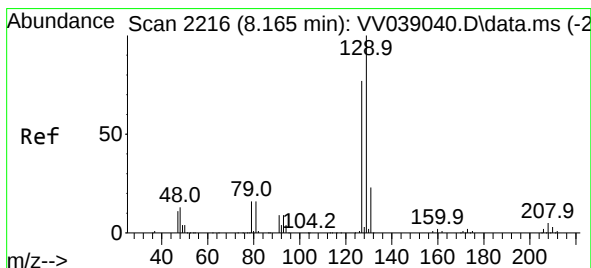
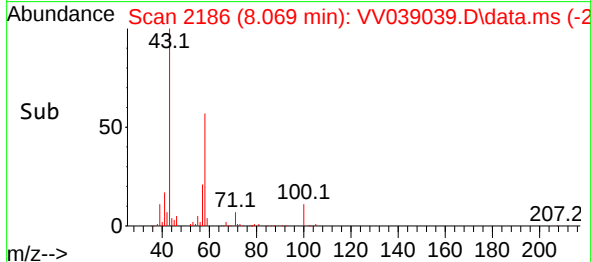
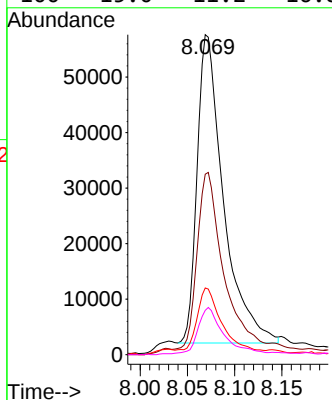
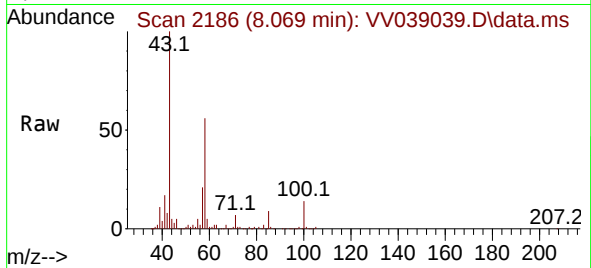




#48
2-Hexanone
Concen: 13.458 ug/L
RT: 8.069 min Scan# 2186
Delta R.T. 0.010 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

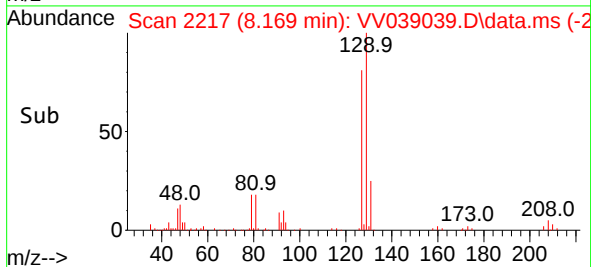
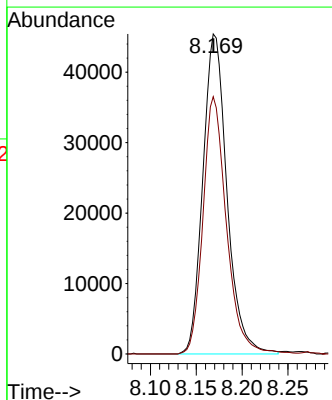
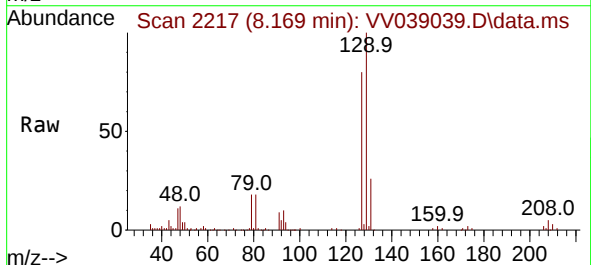
Instrument :
MSVOA_V
ClientSampleId :

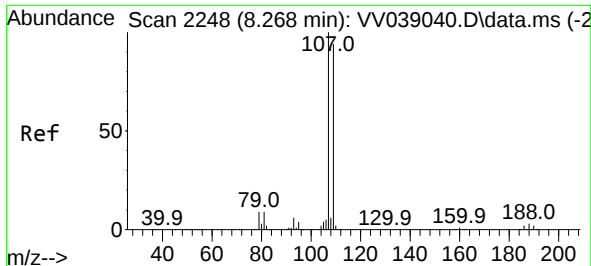
Tgt Ion: 43 Resp: 107921
Ion Ratio Lower Upper
43 100
58 58.0 46.3 69.5
57 20.2 15.8 23.6
100 15.0 11.2 16.8



#49
Dibromochloromethane
Concen: 9.933 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 129 Resp: 83212
Ion Ratio Lower Upper
129 100
127 80.4 53.8 100.0





#50

1,2-Dibromoethane

Concen: 9.895 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

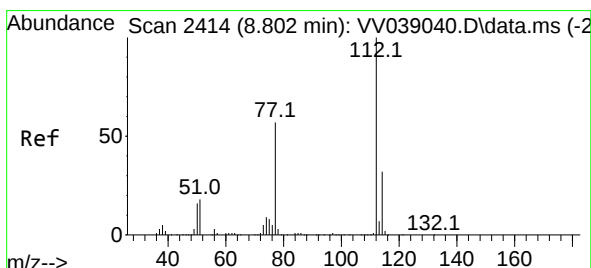
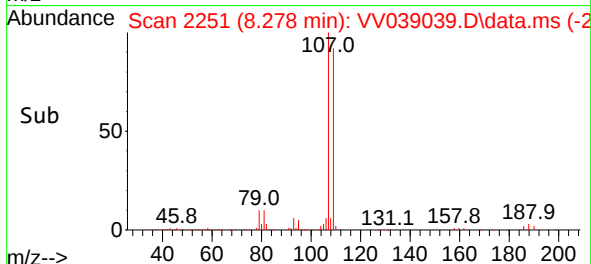
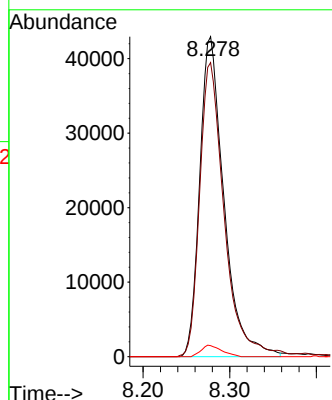
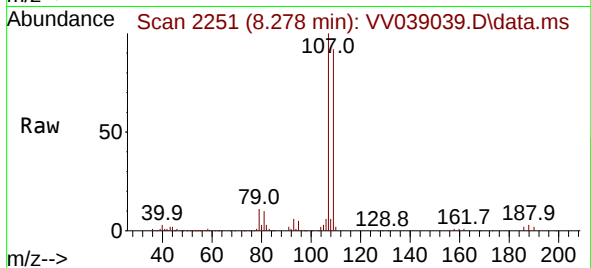
Tgt Ion:107 Resp: 83270

Ion Ratio Lower Upper

107 100

109 91.9 66.1 122.8

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 9.775 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

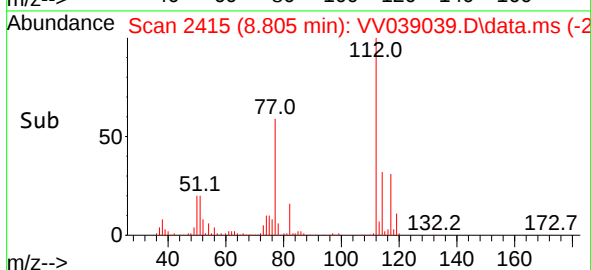
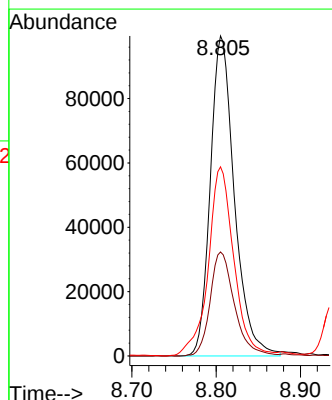
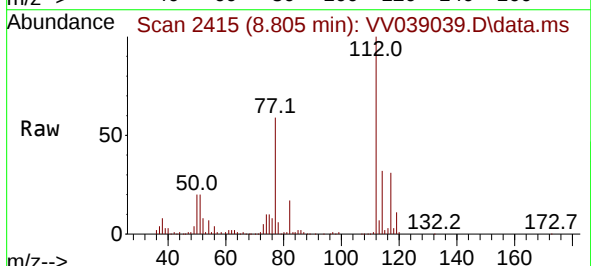
Tgt Ion:112 Resp: 197720

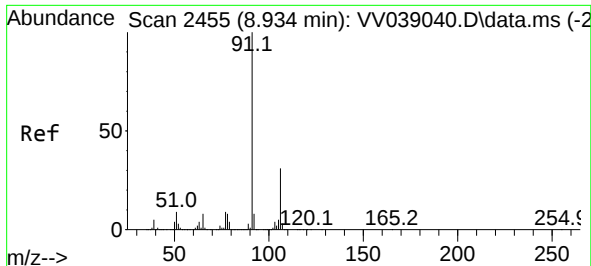
Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.3

77 59.1 45.5 68.3

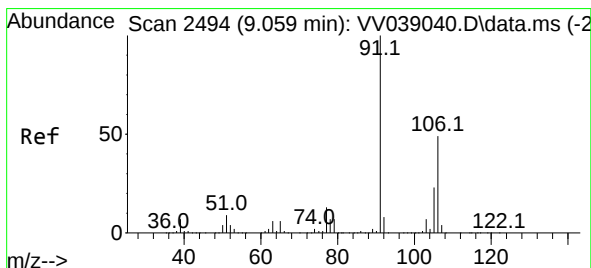
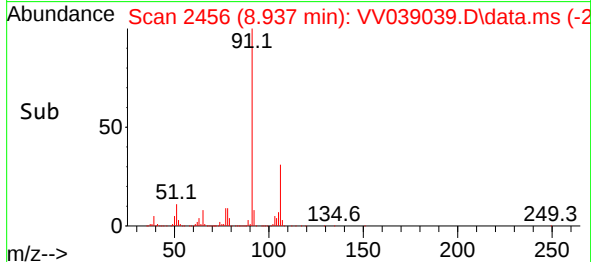
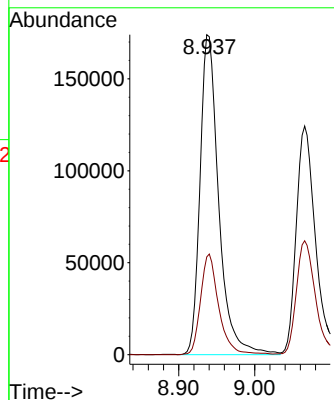
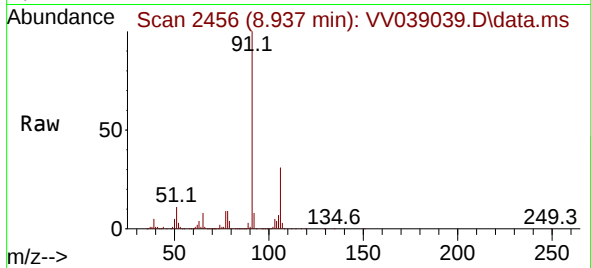




#52
Ethylbenzene
Concen: 9.208 ug/L
RT: 8.937 min Scan# 2455
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

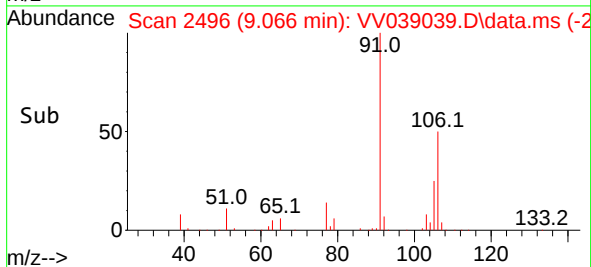
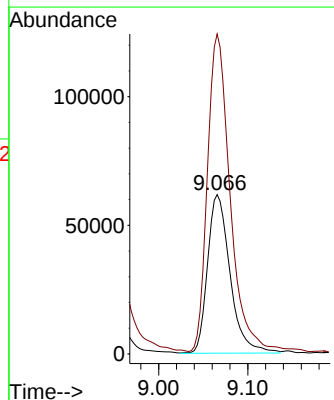
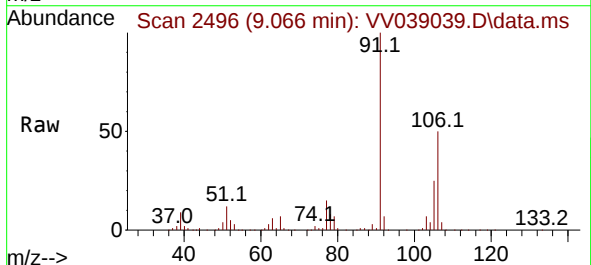
Instrument :
MSVOA_V
ClientSampleId :

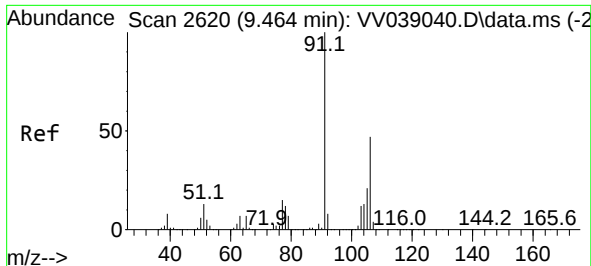
Tgt Ion: 91 Resp: 297903
Ion Ratio Lower Upper
91 100
106 30.5 21.7 40.3



#53
m,p-Xylene
Concen: 9.118 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion: 106 Resp: 108369
Ion Ratio Lower Upper
106 100
91 200.8 142.0 263.8

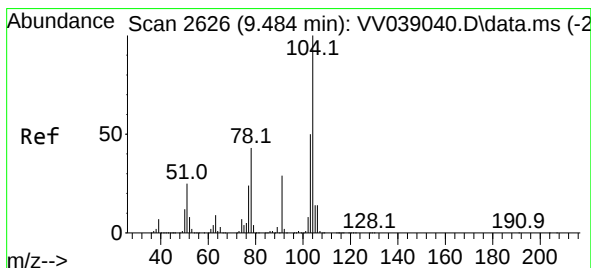
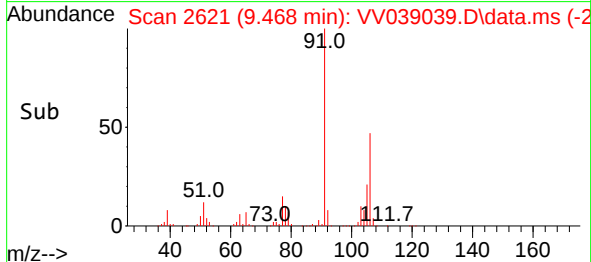
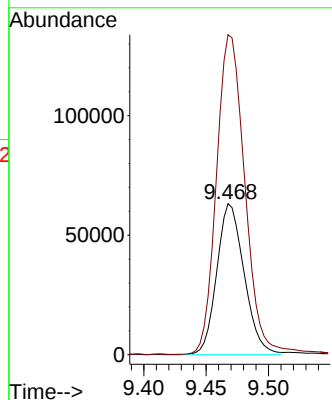
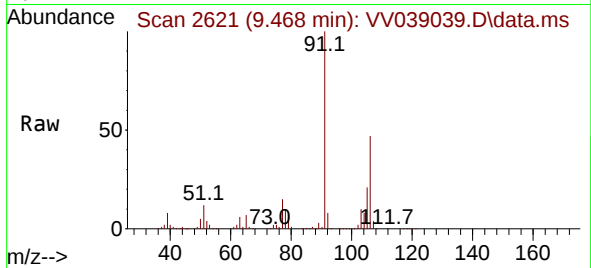




#54
o-Xylene
Concen: 8.404 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

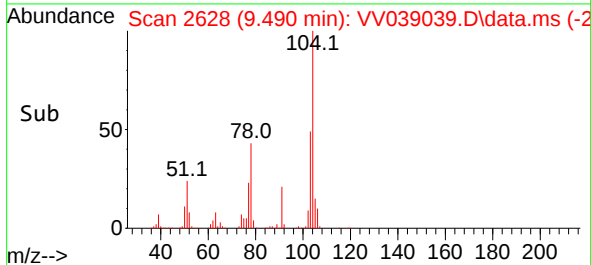
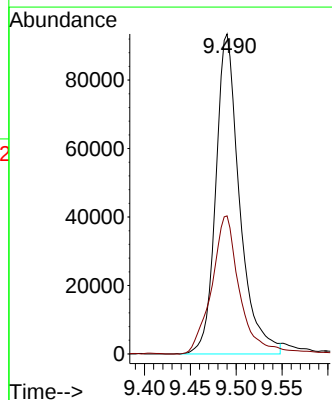
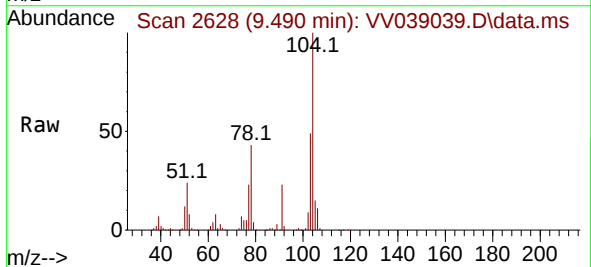
Instrument :
MSVOA_V
ClientSampleId :

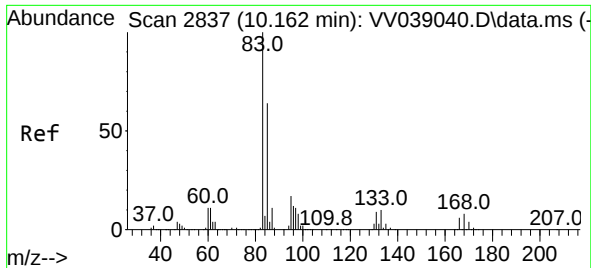
Tgt Ion:106 Resp: 96671
Ion Ratio Lower Upper
106 100
91 212.0 149.1 276.9



#55
Styrene
Concen: 8.452 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion:104 Resp: 168942
Ion Ratio Lower Upper
104 100
78 43.2 30.3 56.3

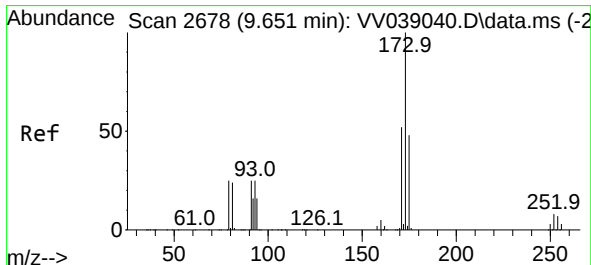
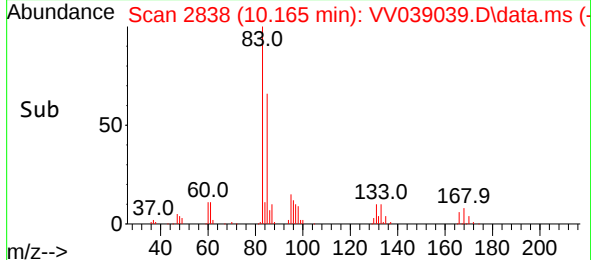
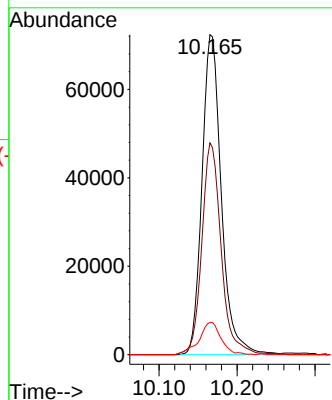
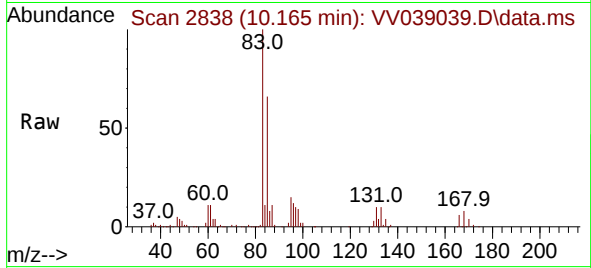




#57
1,1,2,2-Tetrachloroethane
Concen: 9.317 ug/L
RT: 10.165 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

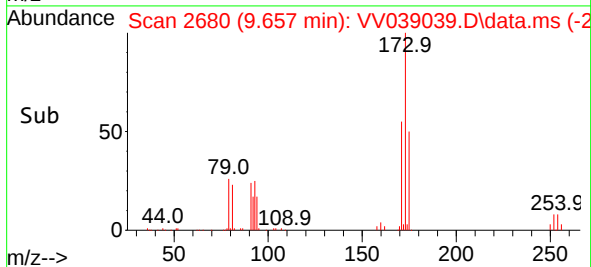
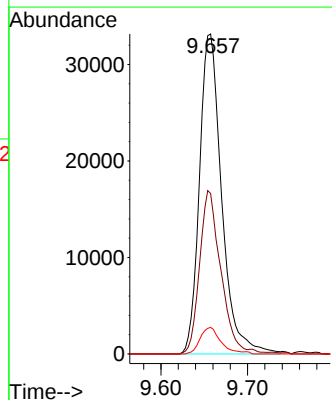
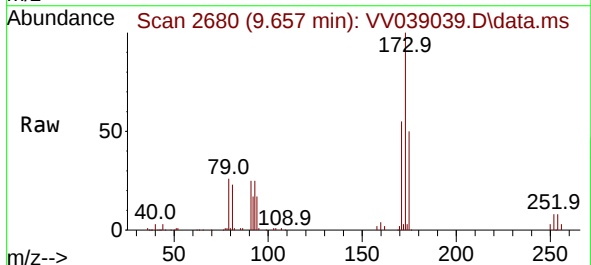
Instrument :
MSVOA_V
ClientSampleId :

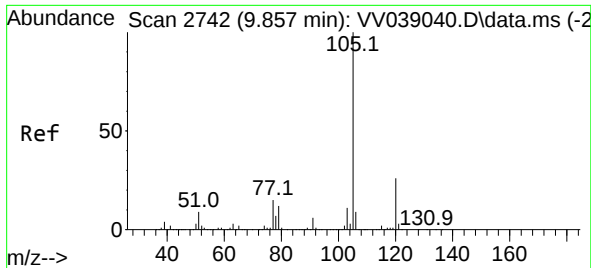
Tgt Ion: 83 Resp: 124972
Ion Ratio Lower Upper
83 100
85 66.2 44.8 83.2
131 10.1 7.6 11.4



#59
Bromoform
Concen: 10.506 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.006 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

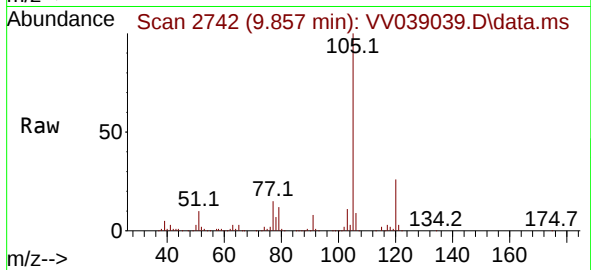
Tgt Ion: 173 Resp: 59108
Ion Ratio Lower Upper
173 100
175 48.1 38.9 58.3
254 7.6 5.9 8.9



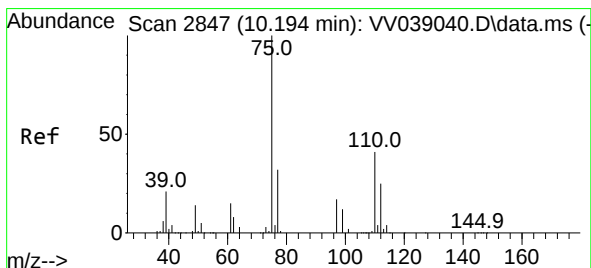
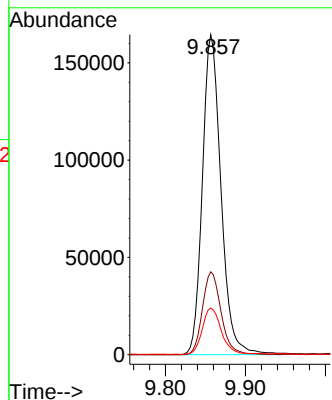
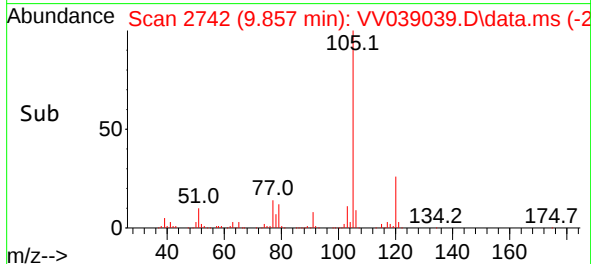


#60
Isopropylbenzene
Concen: 9.340 ug/L
RT: 9.857 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

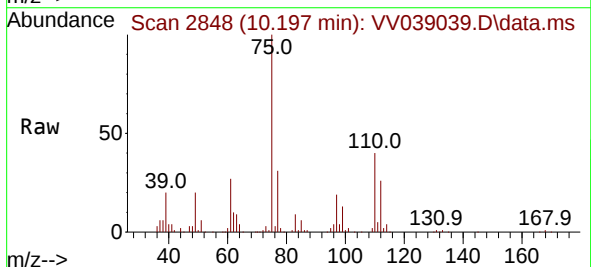
Instrument :
MSVOA_V
ClientSampleId :



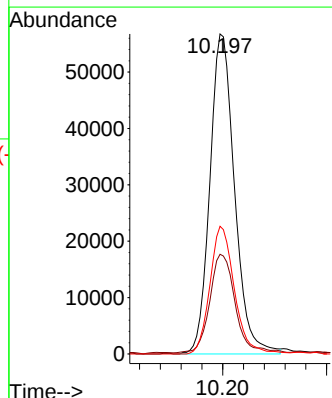
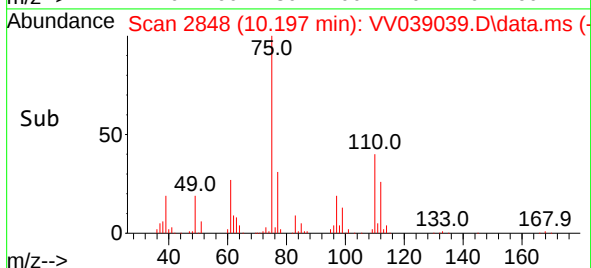
Tgt Ion:105 Resp: 266717
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.4
77 14.8 12.2 18.4

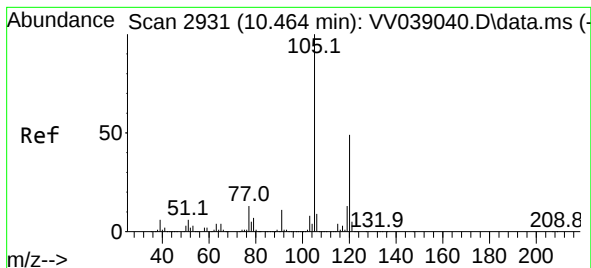


#61
1,2,3-Trichloropropane
Concen: 9.743 ug/L
RT: 10.197 min Scan# 2848
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11



Tgt Ion: 75 Resp: 93700
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6
110 39.6 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 8.809 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. -0.000 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

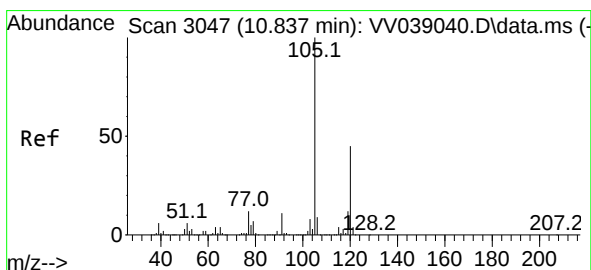
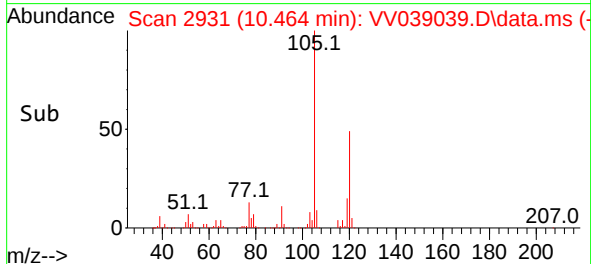
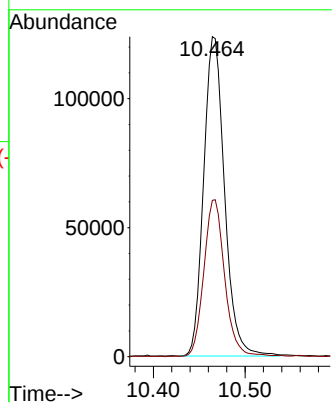
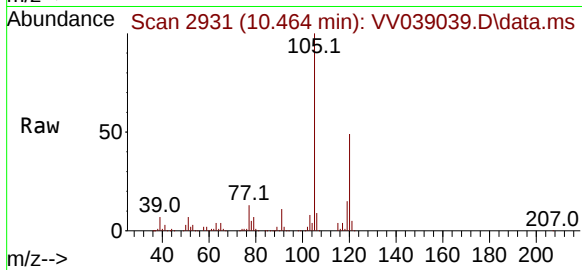
ClientSampleId :

Tgt Ion:105 Resp: 196188

Ion Ratio Lower Upper

105 100

120 48.6 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 8.696 ug/L

RT: 10.840 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VV039039.D

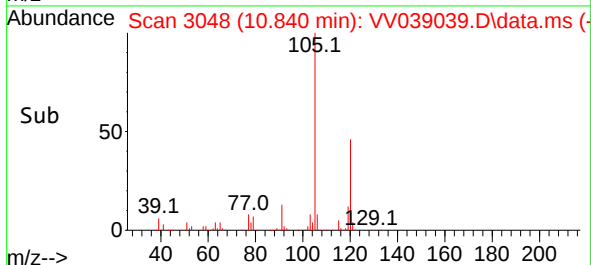
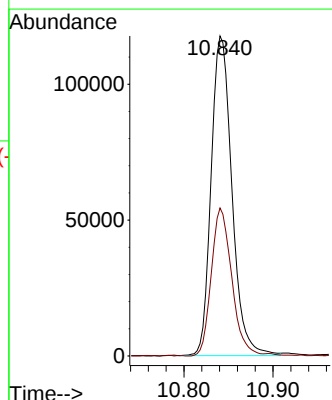
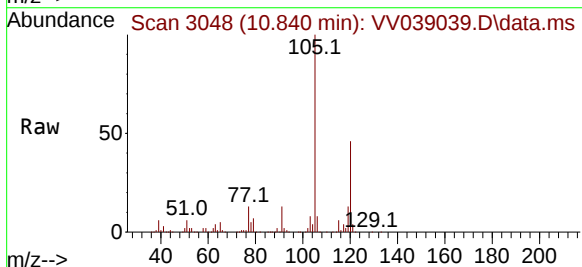
Acq: 11 Sep 2025 11:11

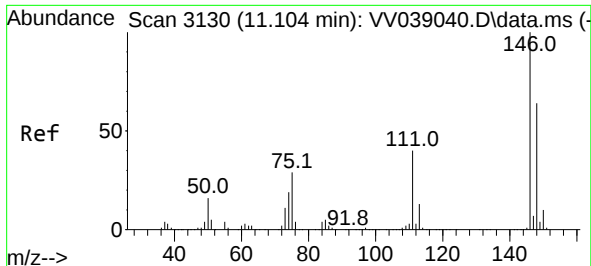
Tgt Ion:105 Resp: 190698

Ion Ratio Lower Upper

105 100

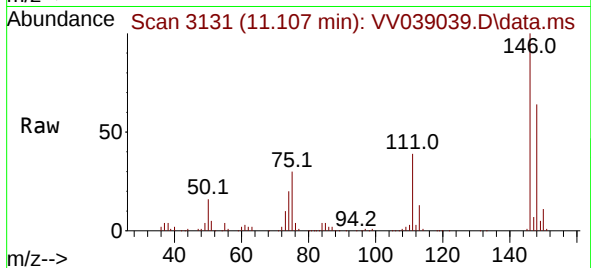
120 45.5 36.1 54.1



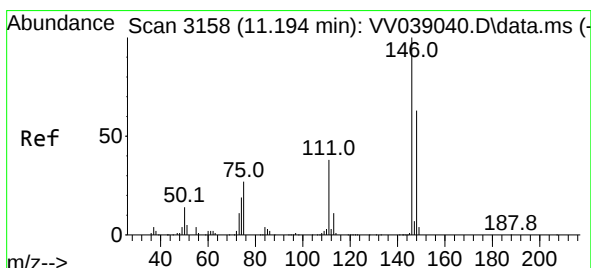
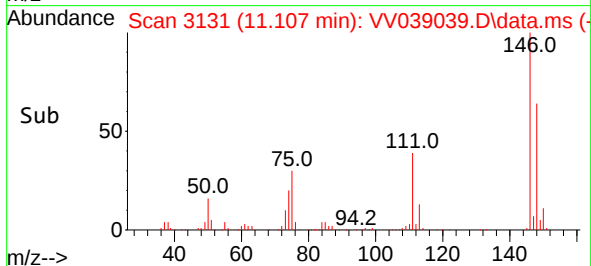
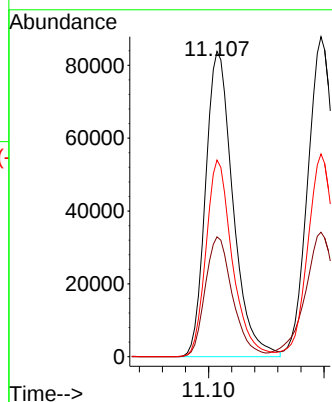


#64
1,3-Dichlorobenzene
Concen: 10.134 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Instrument :
MSVOA_V
ClientSampleId :

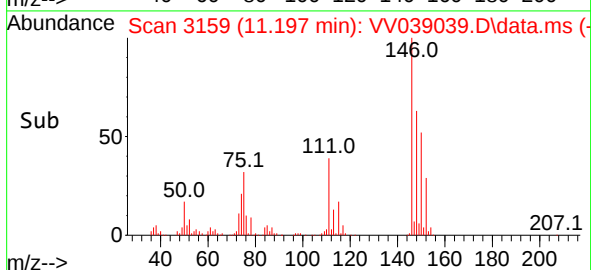
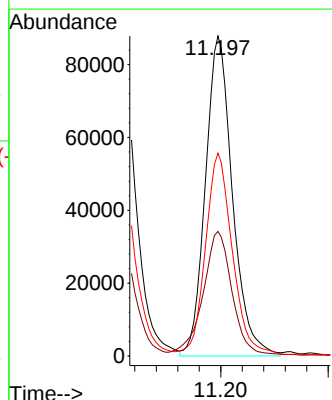
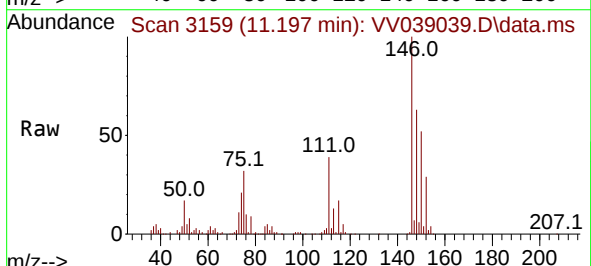


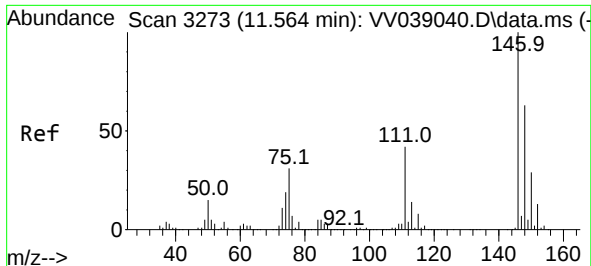
Tgt Ion:146 Resp: 138335
Ion Ratio Lower Upper
146 100
111 39.2 28.3 52.5
148 64.4 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 10.448 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039039.D
Acq: 11 Sep 2025 11:11

Tgt Ion:146 Resp: 153515
Ion Ratio Lower Upper
146 100
111 38.9 27.0 50.2
148 63.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 9.773 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

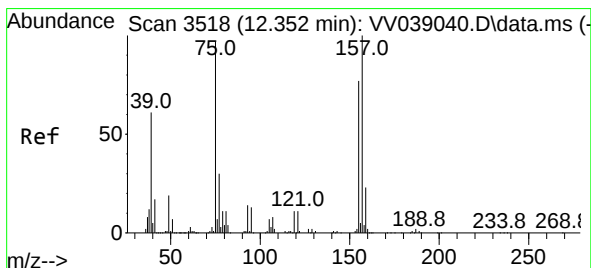
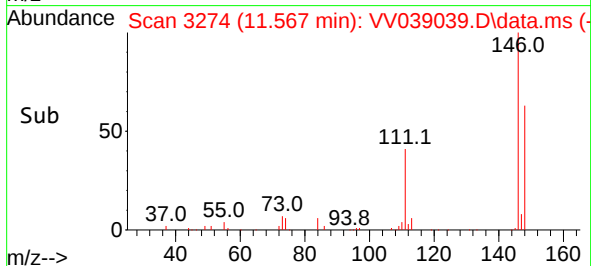
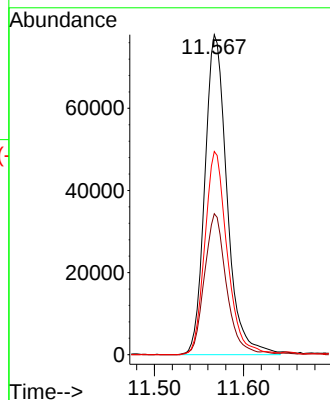
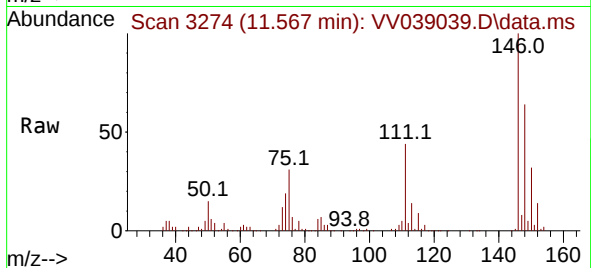
Tgt Ion:146 Resp: 134819

Ion Ratio Lower Upper

146 100

111 44.1 33.4 50.2

148 63.5 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 9.145 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

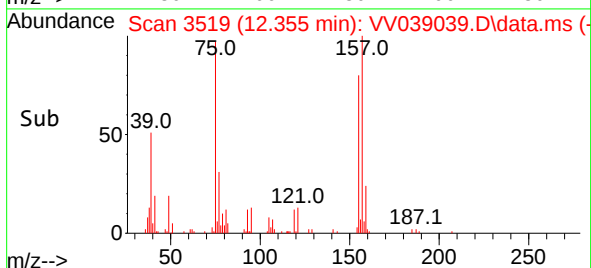
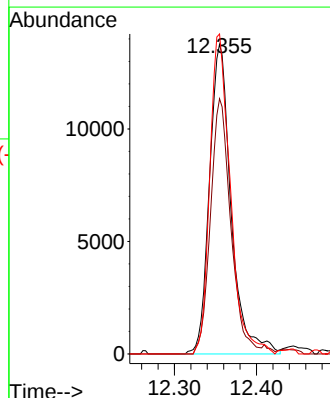
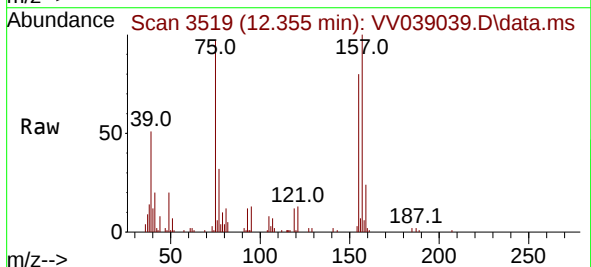
Tgt Ion: 75 Resp: 25269

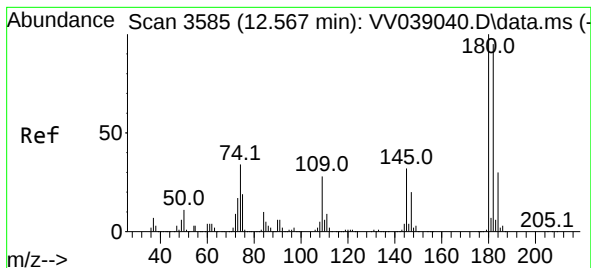
Ion Ratio Lower Upper

75 100

155 82.4 63.7 95.5

157 103.3 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 9.688 ug/L

RT: 12.570 min Scan# 3586

Delta R.T. 0.003 min

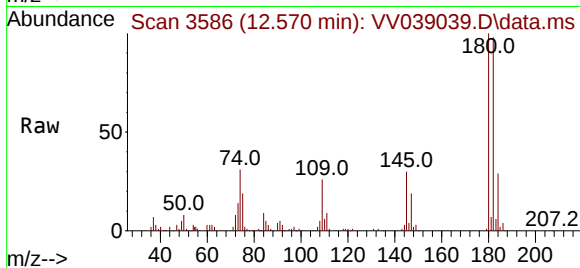
Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 87444

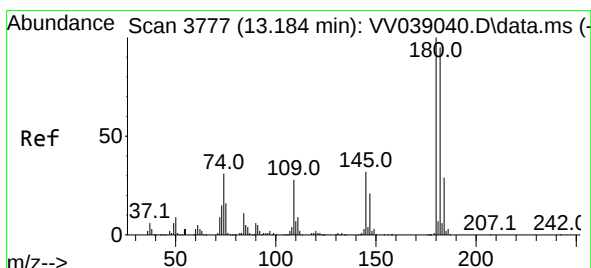
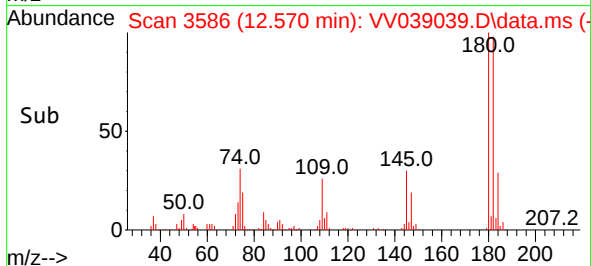
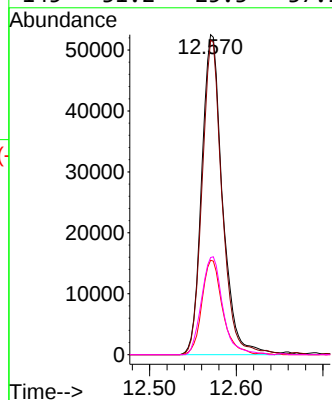
Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.4

184 29.2 23.8 35.8

145 31.2 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 8.934 ug/L

RT: 13.188 min Scan# 3778

Delta R.T. 0.003 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

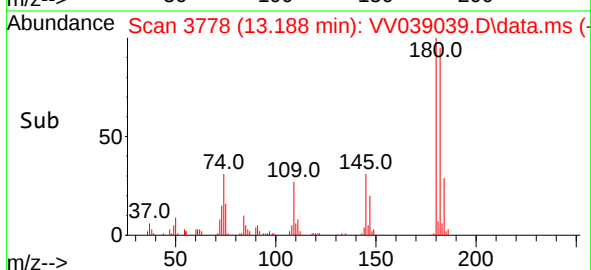
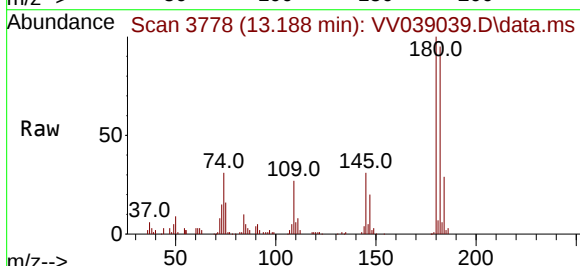
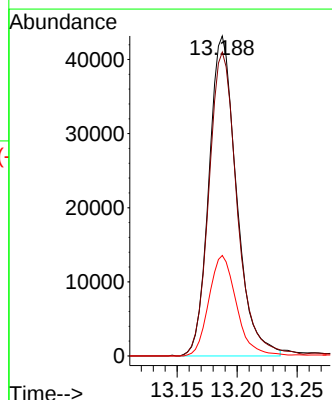
Tgt Ion:180 Resp: 68970

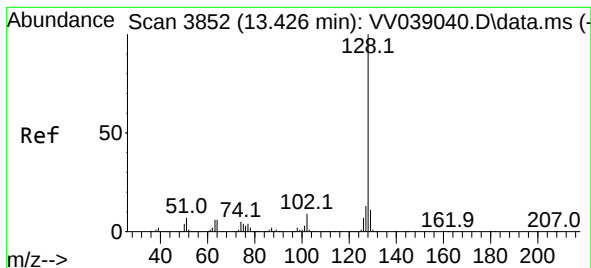
Ion Ratio Lower Upper

180 100

182 97.3 76.0 114.0

145 31.4 25.8 38.6





#71

Naphthalene

Concen: 7.594 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Instrument :

MSVOA_V

ClientSampleId :

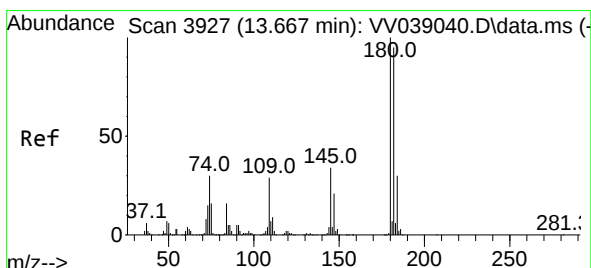
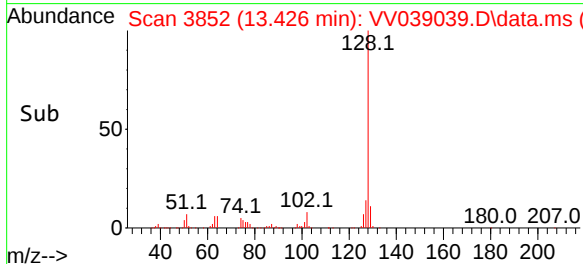
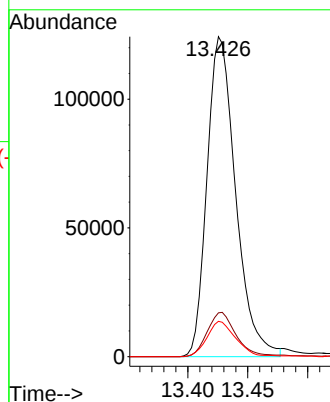
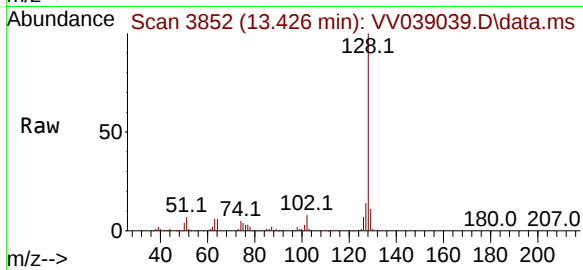
Tgt Ion:128 Resp: 206611

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 11.1 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 9.069 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV039039.D

Acq: 11 Sep 2025 11:11

Tgt Ion:180 Resp: 73340

Ion Ratio Lower Upper

180 100

182 92.5 75.9 113.9

145 33.8 27.1 40.7

