

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
 Data File : VV039041.D
 Acq On : 11 Sep 2025 12:17
 Operator : SY/MD
 Sample : VSTD10028
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 01:34:05 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	916879	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	905472	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	494426	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	834976	105.535	ug/L	0.00
7) Chloroethane-d5	1.542	69	656213	93.715	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.069	65	370824	97.779	ug/L	0.00
21) 2-Butanone-d5	3.783	46	673673	122.051	ug/L	0.00
24) Chloroform-d	4.249	84	1418690	88.696	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	822058	88.937	ug/L	0.00
32) Benzene-d6	4.960	84	2769073	97.665	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.982	67	844017	90.570	ug/L	0.00
41) Toluene-d8	7.236	98	2575184	101.452	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.542	79	436585	104.508	ug/L	0.00
47) 2-Hexanone-d5	8.011	63	549911	150.063	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.140	84	1225127	88.545	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.548	152	964869	100.086	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	654268	64.616	ug/L	99
3) Chloromethane	1.230	50	722049	69.446	ug/L	99
5) Vinyl chloride	1.298	62	857150	78.683	ug/L	100
6) Bromomethane	1.494	94	490603	89.506	ug/L	97
8) Chloroethane	1.558	64	521820	79.248	ug/L	100
9) Trichlorofluoromethane	1.725	101	1186632	81.749	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	743821	85.154	ug/L	100
12) 1,1-Dichloroethene	2.079	96	673815	85.891	ug/L	96
13) Acetone	2.117	43	1010862	236.934	ug/L	99
14) Carbon disulfide	2.252	76	2188050	90.710	ug/L	99
15) Methyl Acetate	2.378	43	857033	85.131	ug/L	98
16) Methylene chloride	2.455	84	778713	86.819	ug/L	95
17) trans-1,2-Dichloroethene	2.703	96	697970	89.123	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	2112350	90.410	ug/L	99
19) 1,1-Dichloroethane	3.117	63	1260294	78.838	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	784361	93.459	ug/L	99
22) 2-Butanone	3.857	43	1078501	179.991	ug/L	98
23) Bromochloromethane	4.149	128	395423	88.514	ug/L	99
25) Chloroform	4.278	83	1339958	84.166	ug/L	98
27) 1,2-Dichloroethane	5.037	62	1007336	84.306	ug/L	99
29) Cyclohexane	4.584	56	1218603	96.695	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	1172795	88.895	ug/L	99
31) Carbon tetrachloride	4.735	117	1046217	90.706	ug/L	99
33) Benzene	5.008	78	2866935	91.514	ug/L	100
34) Trichloroethene	5.828	95	760551	91.571	ug/L	99
35) Methylcyclohexane	6.047	83	1307427	99.609	ug/L	98
37) 1,2-Dichloropropane	6.088	63	753710	84.521	ug/L	100
38) Bromodichloromethane	6.426	83	1024137	87.022	ug/L	98
39) cis-1,3-Dichloropropene	6.944	75	1283286	99.294	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	1974806	164.686	ug/L	98
42) Toluene	7.307	91	3108237	94.871	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	1205990	95.214	ug/L	97

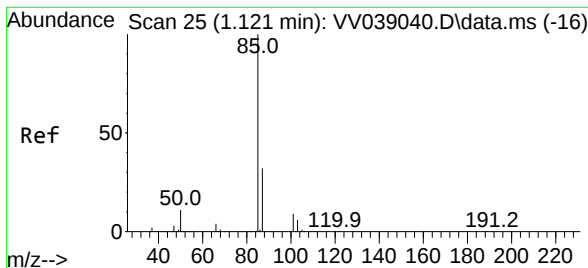
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091125\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:30:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.757	97	768283	85.791	ug/L	98
46) Tetrachloroethene	7.895	164	586553	94.748	ug/L	99
48) 2-Hexanone	8.063	43	1529573	176.371	ug/L	99
49) Dibromochloromethane	8.165	129	820864	90.602	ug/L	99
50) 1,2-Dibromoethane	8.271	107	823989	90.541	ug/L	100
51) Chlorobenzene	8.802	112	1983931	90.692	ug/L	98
52) Ethylbenzene	8.934	91	3458124	98.836	ug/L	100
53) m,p-Xylene	9.062	106	1340784	104.317	ug/L	99
54) o-Xylene	9.468	106	1297889	104.333	ug/L	99
55) Styrene	9.484	104	2284356	105.670	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	1234534	85.101	ug/L	99
59) Bromoform	9.651	173	622173	90.273	ug/L	100
60) Isopropylbenzene	9.857	105	3515200	100.486	ug/L	100
61) 1,2,3-Trichloropropane	10.194	75	916761	77.814	ug/L	99
62) 1,3,5-Trimethylbenzene	10.464	105	2854715	104.626	ug/L	99
63) 1,2,4-Trimethylbenzene	10.837	105	2951304	109.859	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	1631105	97.543	ug/L	99
65) 1,4-Dichlorobenzene	11.194	146	1687729	93.761	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	1626232	96.230	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.349	75	279296	82.511	ug/L	97
69) 1,3,5-Trichlorobenzene	12.567	180	1069526	96.730	ug/L	99
70) 1,2,4-trichlorobenzene	13.184	180	962430	101.766	ug/L	99
71) Naphthalene	13.422	128	3427669	102.840	ug/L	100
72) 1,2,3-Trichlorobenzene	13.664	180	996102	100.549	ug/L	99

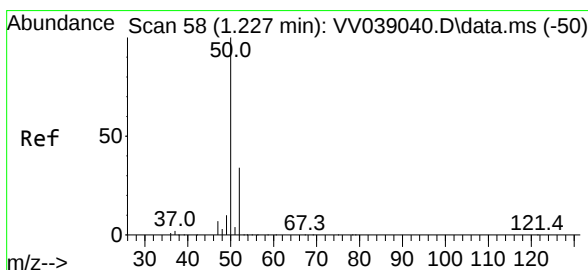
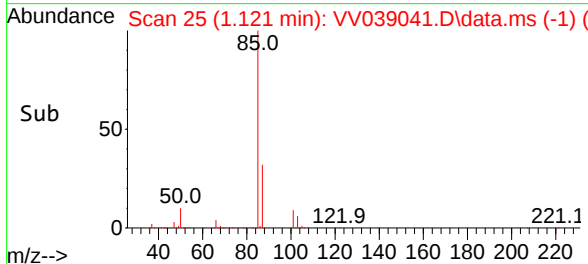
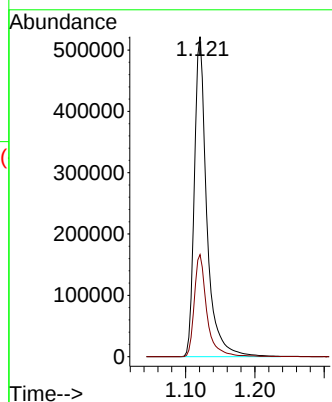
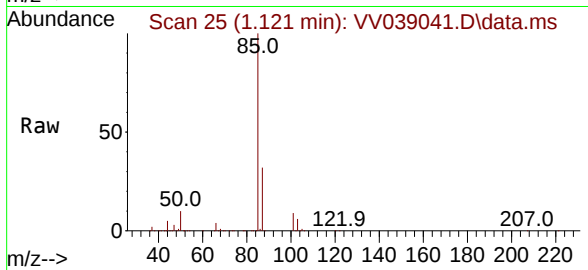
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 64.616 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17

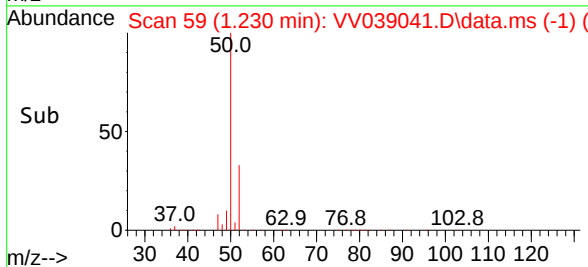
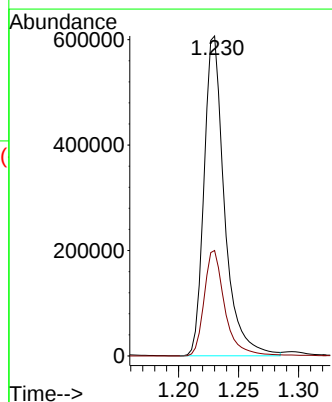
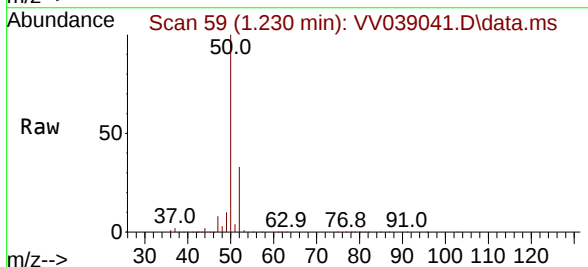
Instrument :
 MSVOA_V
 ClientSampleId :

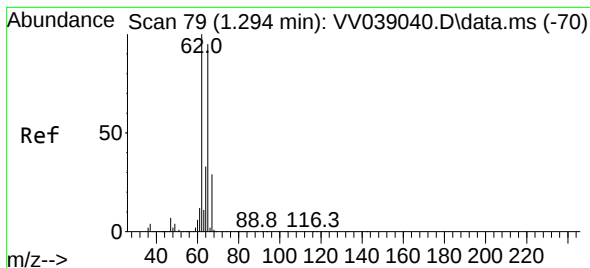
Tgt Ion: 85 Resp: 654268
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 69.446 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.003 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17

Tgt Ion: 50 Resp: 722049
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8





#5

Vinyl chloride

Concen: 78.683 ug/L

RT: 1.298 min Scan# 80

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

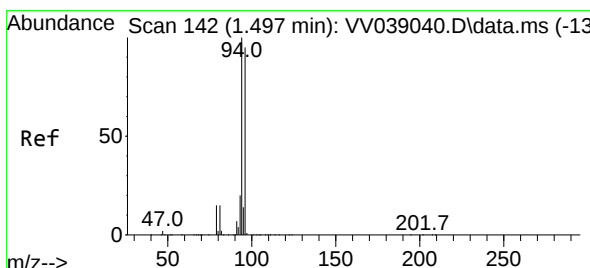
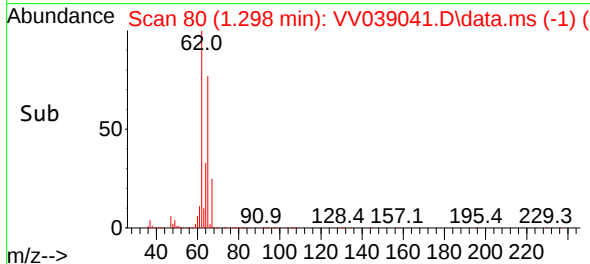
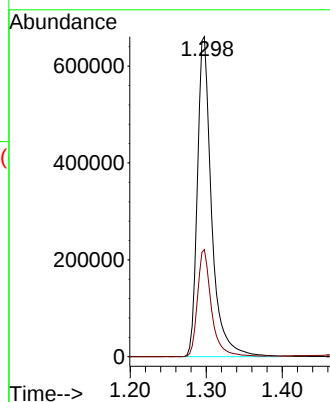
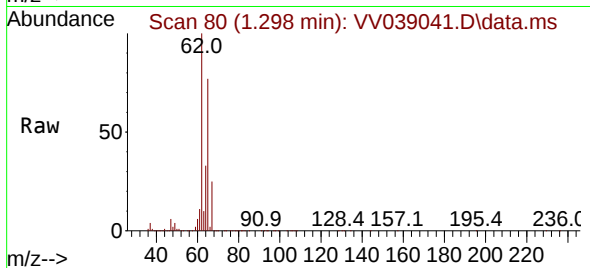
ClientSampleId :

Tgt Ion: 62 Resp: 857150

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.4



#6

Bromomethane

Concen: 89.506 ug/L

RT: 1.494 min Scan# 141

Delta R.T. -0.003 min

Lab File: VV039041.D

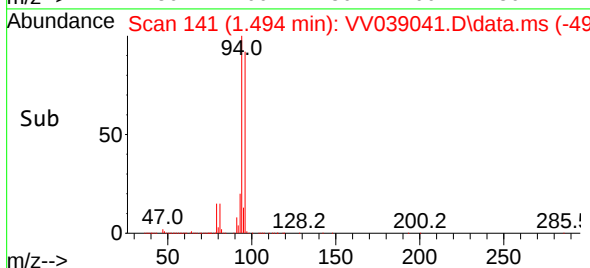
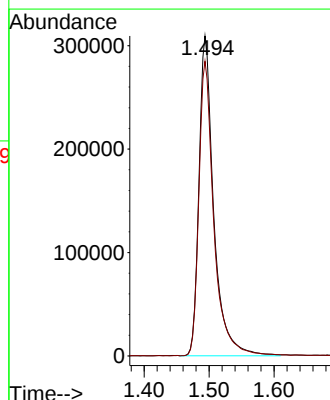
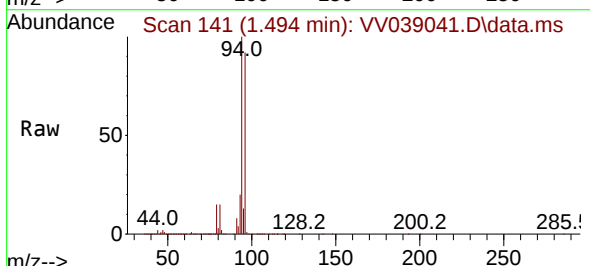
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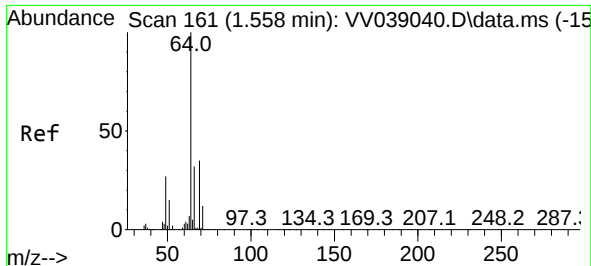
Tgt Ion: 94 Resp: 490603

Ion Ratio Lower Upper

94 100

96 92.1 66.3 123.1

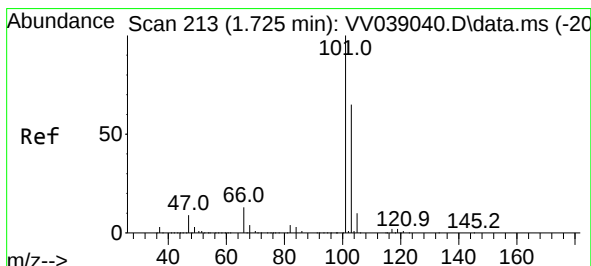
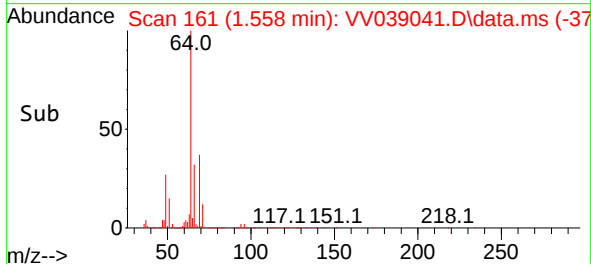
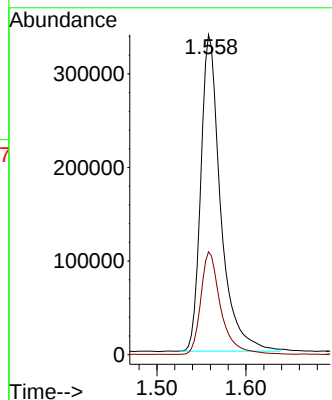
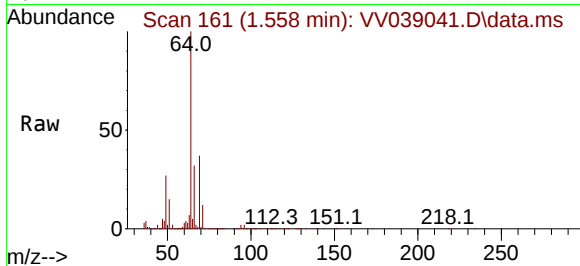




#8
Chloroethane
Concen: 79.248 ug/L
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

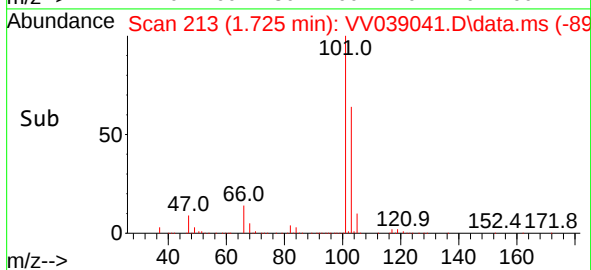
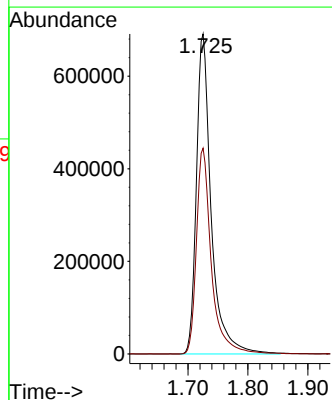
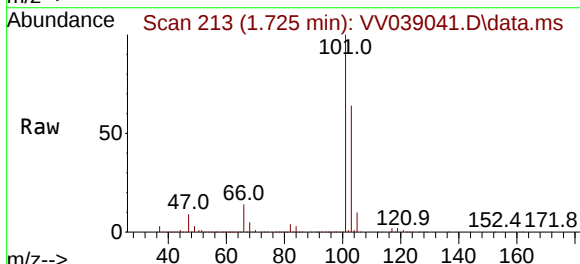
Instrument :
MSVOA_V
ClientSampleId :

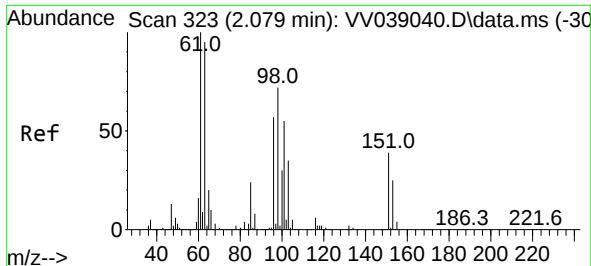
Tgt Ion: 64 Resp: 521820
Ion Ratio Lower Upper
64 100
66 32.1 22.4 41.6



#9
Trichlorofluoromethane
Concen: 81.749 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 101 Resp: 1186632
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 85.154 ug/L

RT: 2.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

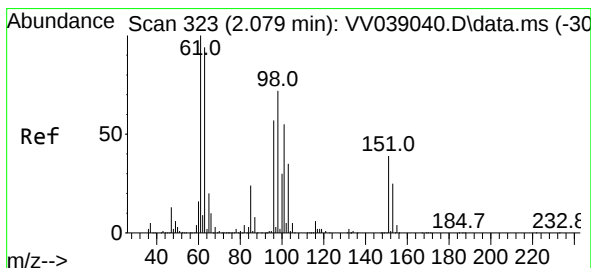
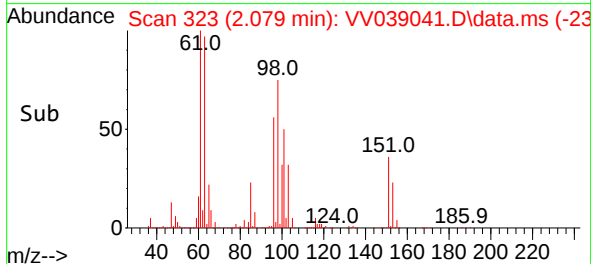
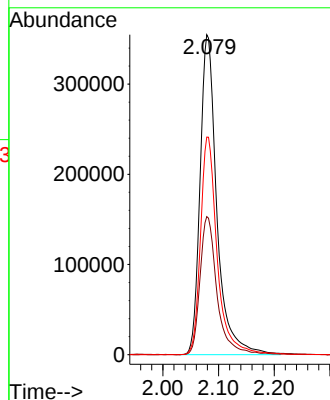
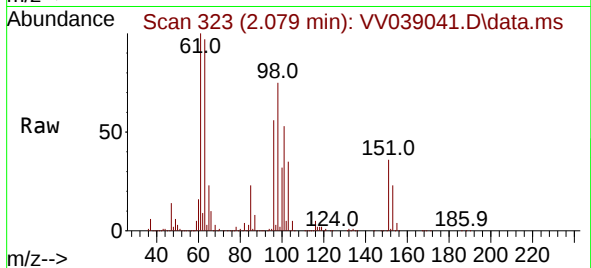
Tgt Ion:101 Resp: 743821

Ion Ratio Lower Upper

101 100

85 43.3 34.7 52.1

151 67.8 54.6 81.8



#12

1,1-Dichloroethene

Concen: 85.891 ug/L

RT: 2.079 min Scan# 323

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

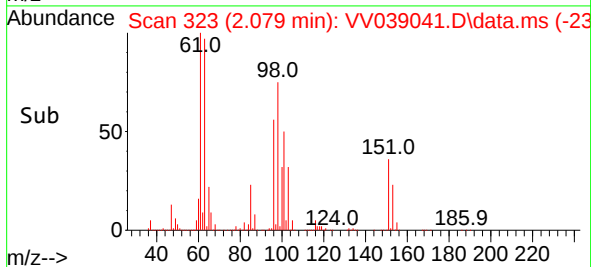
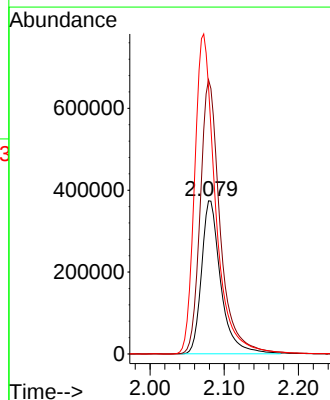
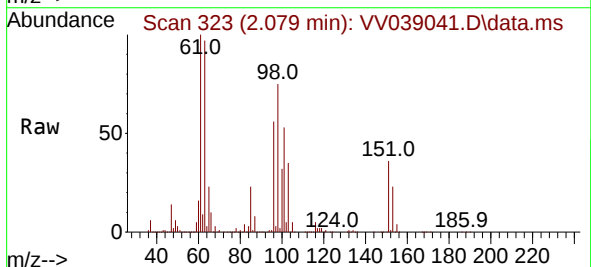
Tgt Ion: 96 Resp: 673815

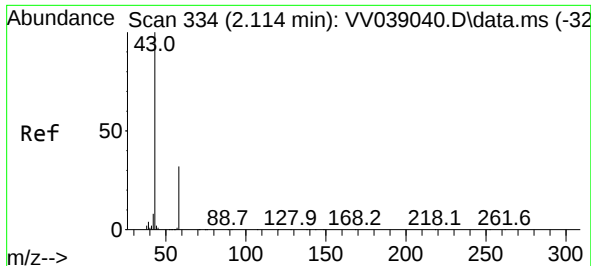
Ion Ratio Lower Upper

96 100

61 179.1 123.3 229.1

63 174.4 116.6 216.6





#13

Acetone

Concen: 236.934 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

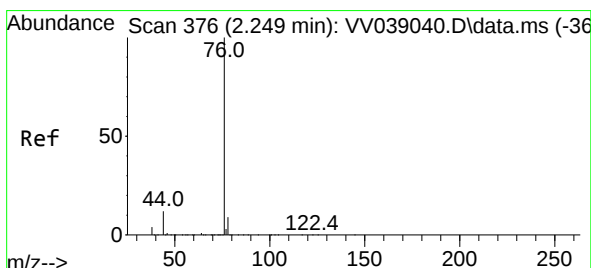
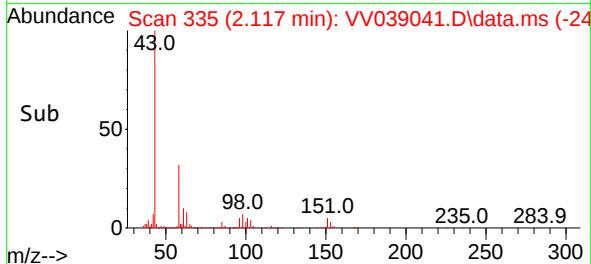
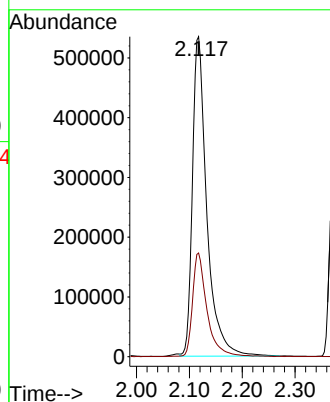
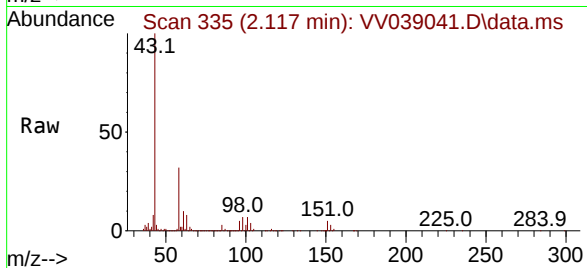
ClientSampleId :

Tgt Ion: 43 Resp: 1010862

Ion Ratio Lower Upper

43 100

58 32.2 0.0 65.8



#14

Carbon disulfide

Concen: 90.710 ug/L

RT: 2.252 min Scan# 377

Delta R.T. 0.003 min

Lab File: VV039041.D

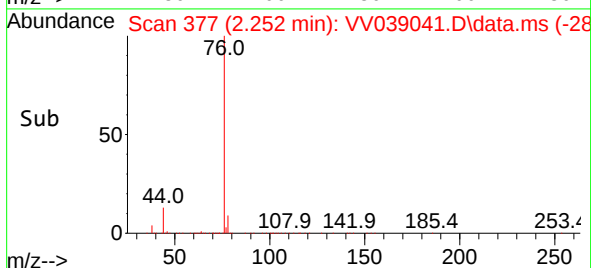
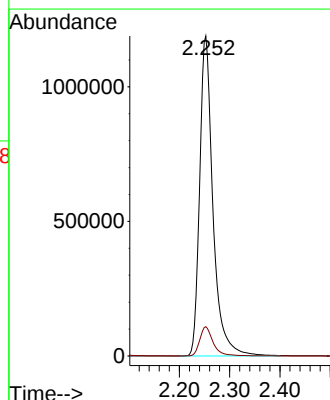
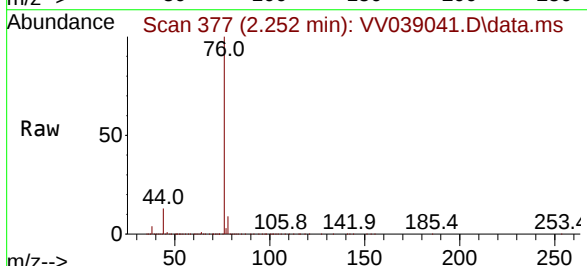
Acq: 11 Sep 2025 12:17

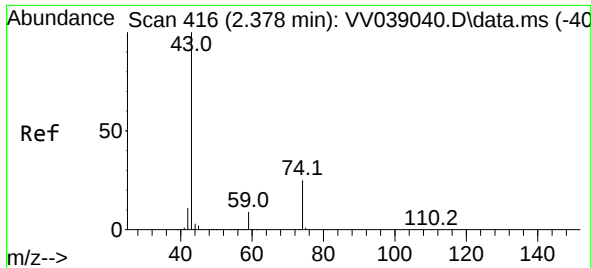
Tgt Ion: 76 Resp: 2188050

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

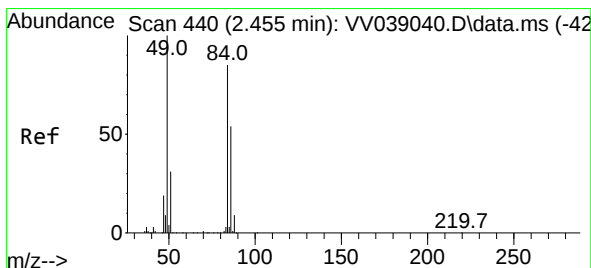
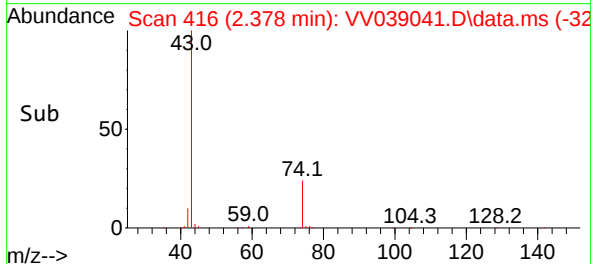
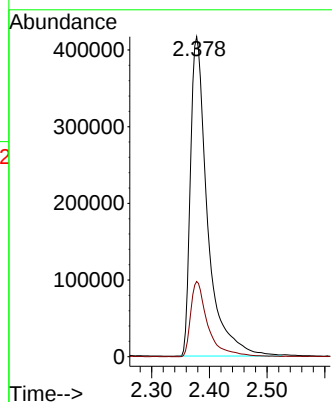
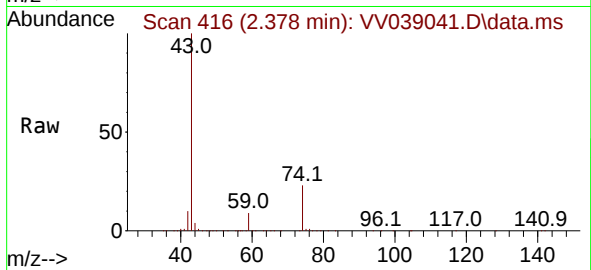




#15
Methyl Acetate
Concen: 85.131 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

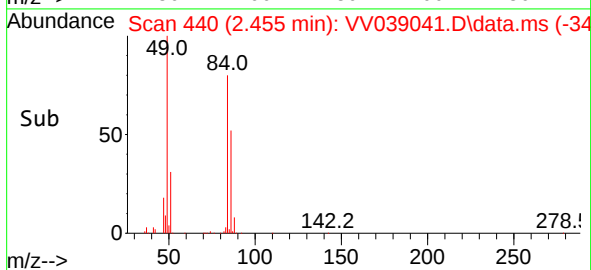
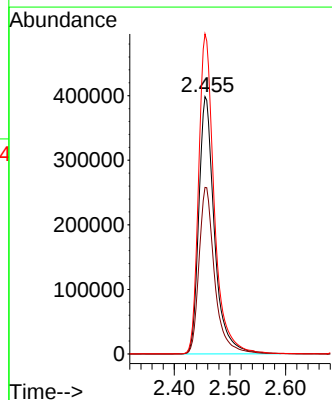
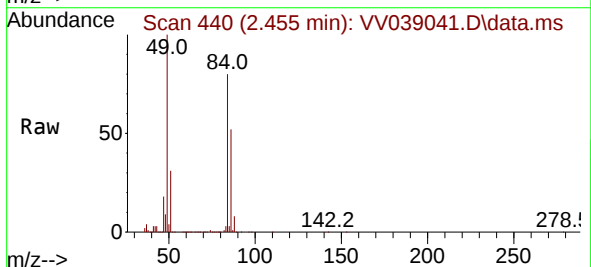
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MSVOA_V
ClientSampleId :

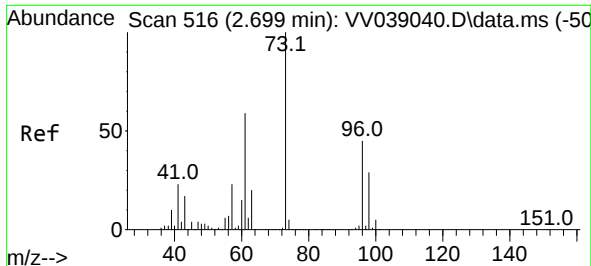
Tgt Ion: 43 Resp: 857033
Ion Ratio Lower Upper
43 100
74 23.7 19.6 29.4



#16
Methylene chloride
Concen: 86.819 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 84 Resp: 778713
Ion Ratio Lower Upper
84 100
86 64.8 44.7 83.1
49 124.4 82.0 152.4

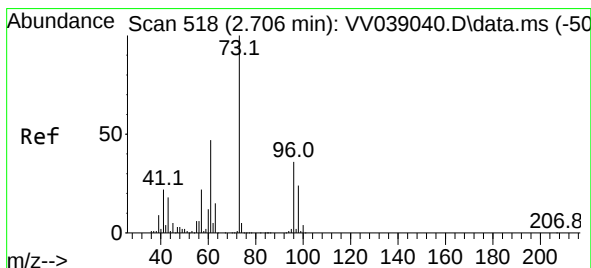
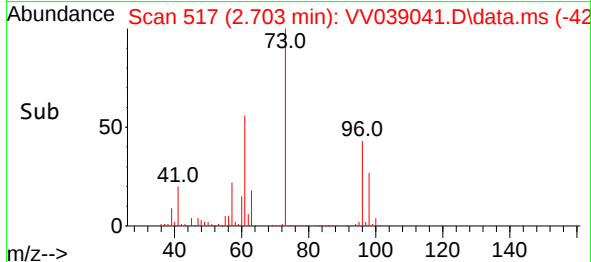
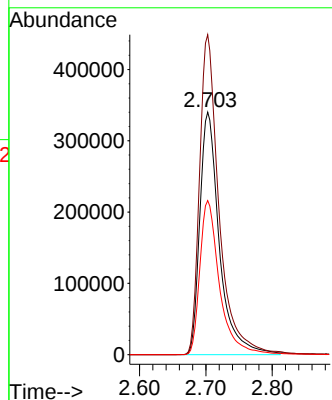
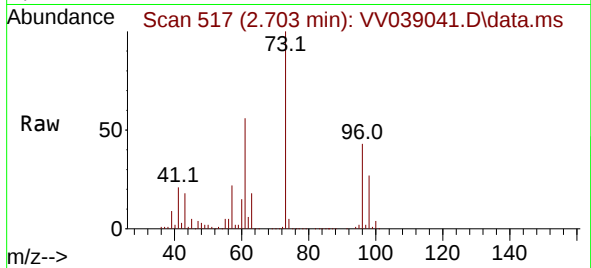




#17
trans-1,2-Dichloroethene
Concen: 89.123 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

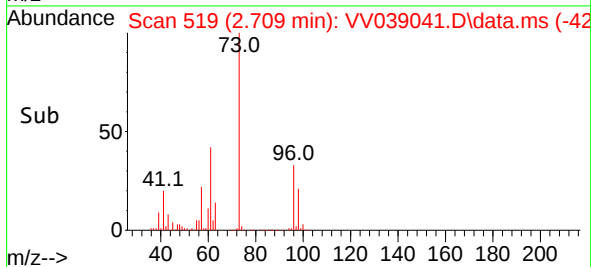
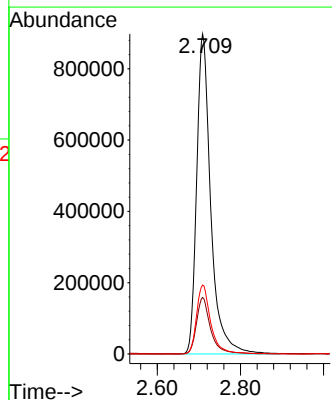
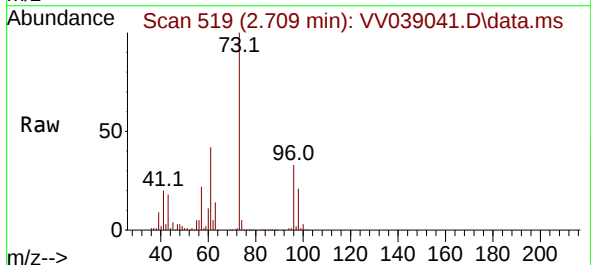
Instrument :
MSVOA_V
ClientSampleId :

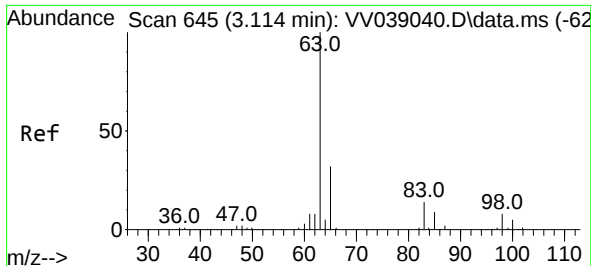
Tgt Ion: 96 Resp: 697970
Ion Ratio Lower Upper
96 100
61 131.9 91.3 169.5
98 63.5 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 90.410 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 73 Resp: 2112350
Ion Ratio Lower Upper
73 100
43 17.5 14.2 21.4
57 21.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 78.838 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

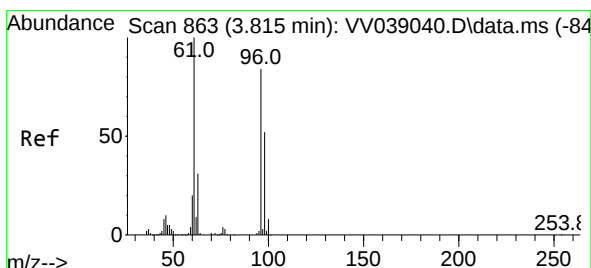
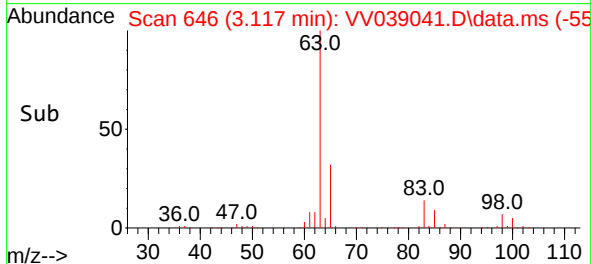
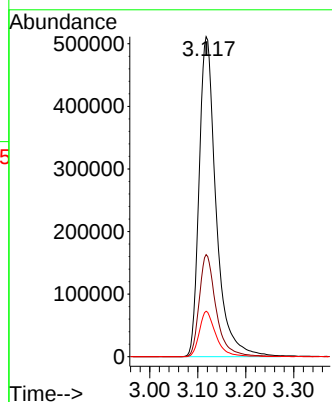
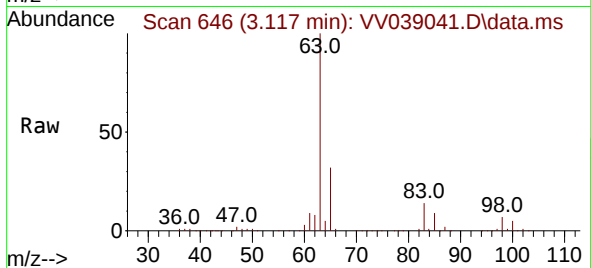
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63 Resp: 1260294

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	14.2	9.6	17.8



#20

cis-1,2-Dichloroethene

Concen: 93.459 ug/L

RT: 3.818 min Scan# 864

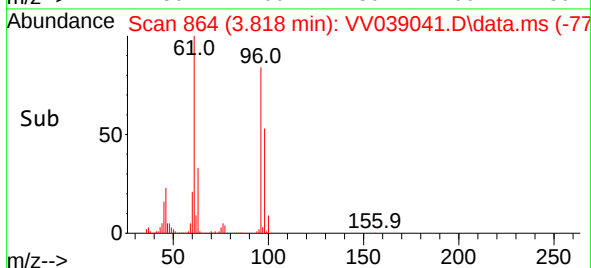
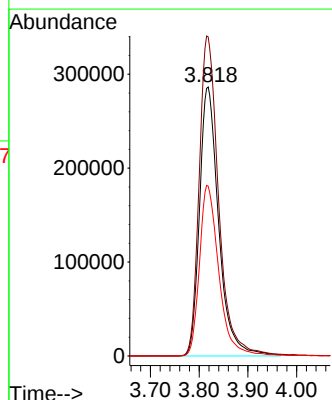
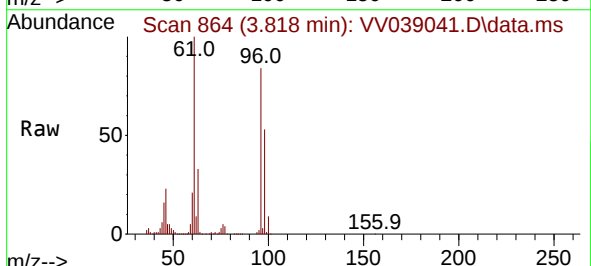
Delta R.T. 0.003 min

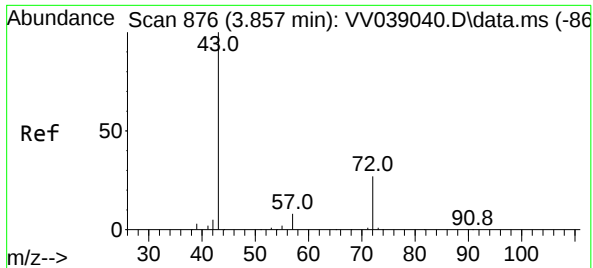
Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Tgt Ion: 96 Resp: 784361

Ion	Ratio	Lower	Upper
96	100		
61	118.6	83.8	155.6
98	63.1	43.5	80.9

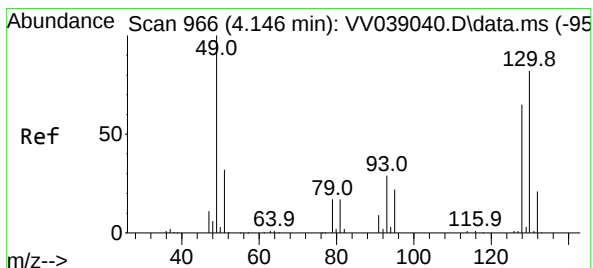
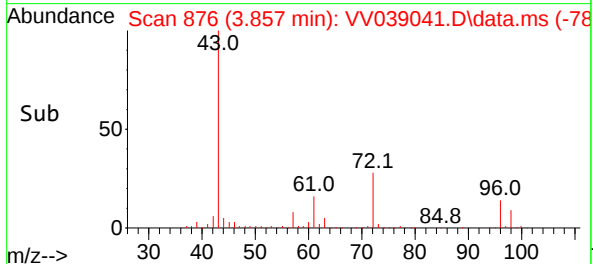
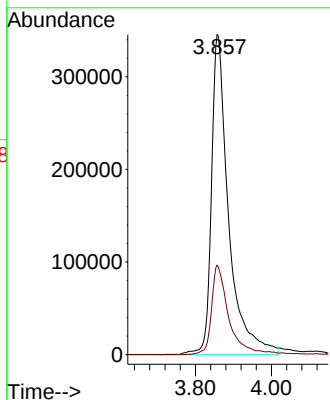
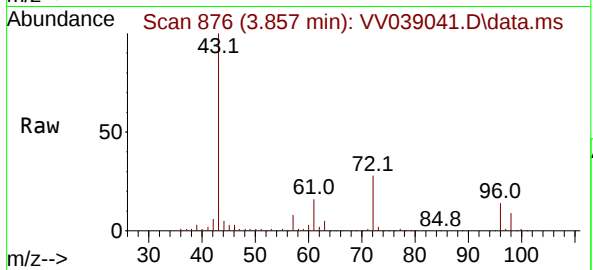




#22
2-Butanone
Concen: 179.991 ug/L
RT: 3.857 min Scan# 81
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

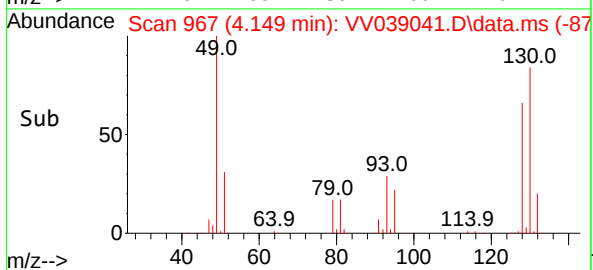
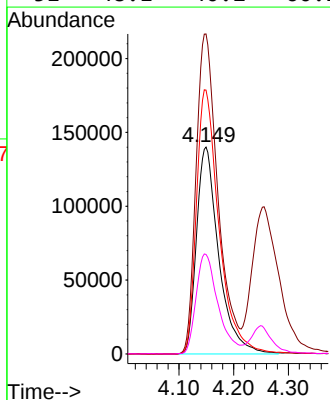
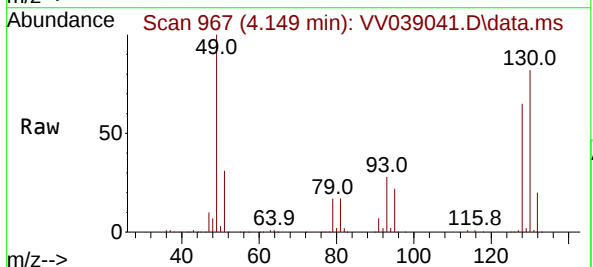
Instrument :
MSVOA_V
ClientSampleId :

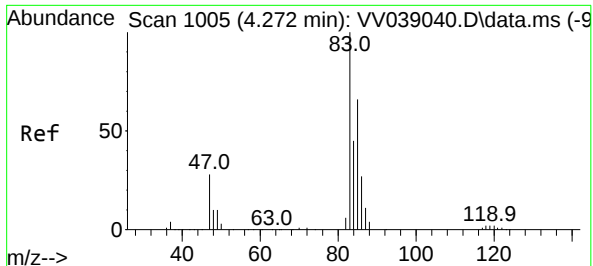
Tgt Ion: 43 Resp: 1078501
Ion Ratio Lower Upper
43 100
72 27.2 13.2 39.5



#23
Bromochloromethane
Concen: 88.514 ug/L
RT: 4.149 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion:128 Resp: 395423
Ion Ratio Lower Upper
128 100
49 154.6 108.4 201.4
130 127.5 89.1 165.5
51 48.1 40.2 60.2

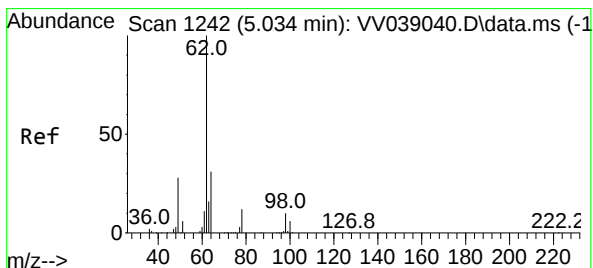
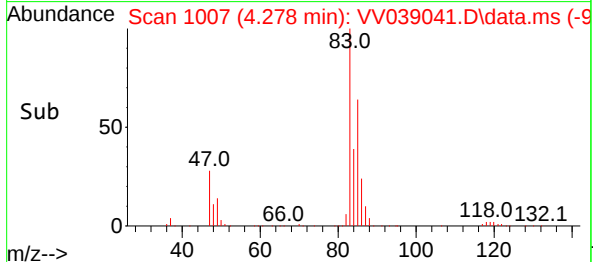
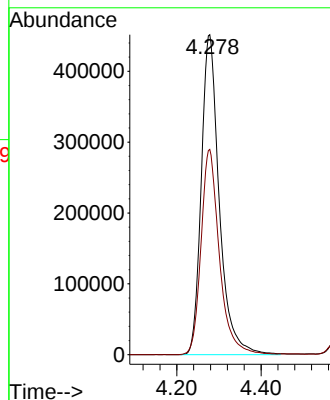
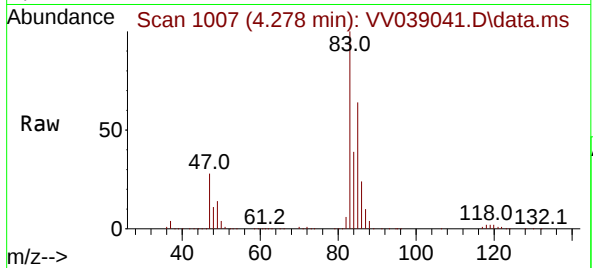




#25
Chloroform
Concen: 84.166 ug/L
RT: 4.278 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

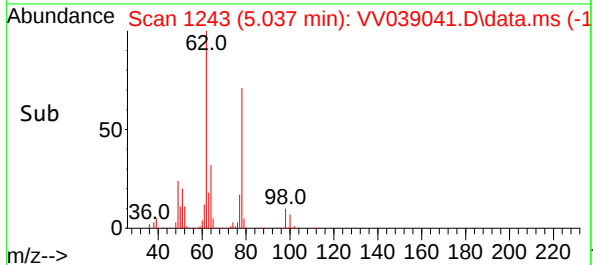
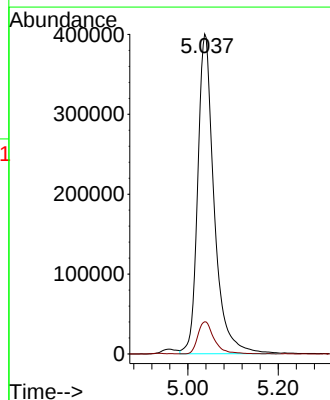
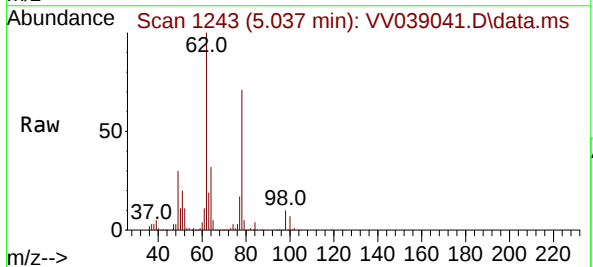
Instrument :
MSVOA_V
ClientSampleId :

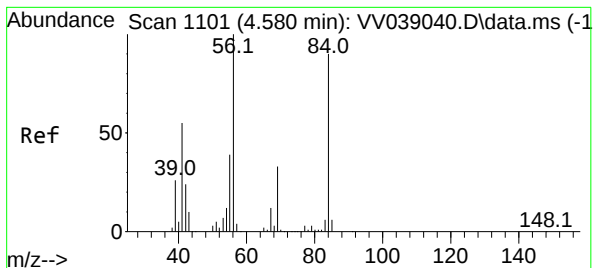
Tgt Ion: 83 Resp: 1339958
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 84.306 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 62 Resp: 1007336
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4





#29

Cyclohexane

Concen: 96.695 ug/L

RT: 4.584 min Scan# 1101

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

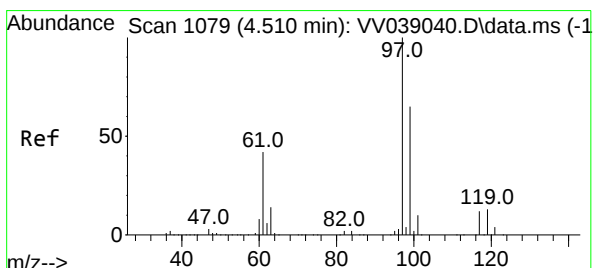
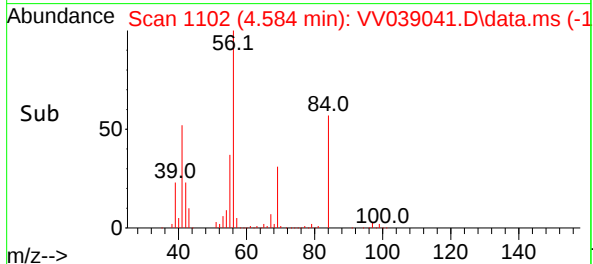
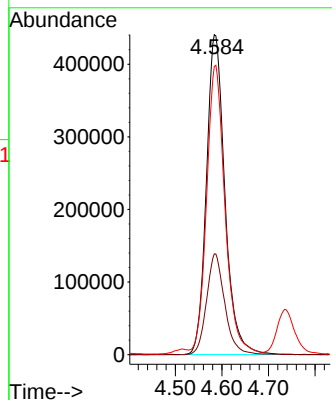
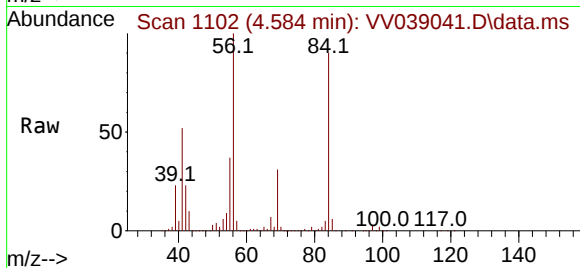
Tgt Ion: 56 Resp: 1218603

Ion Ratio Lower Upper

56 100

69 31.0 25.1 37.7

84 89.9 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 88.895 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

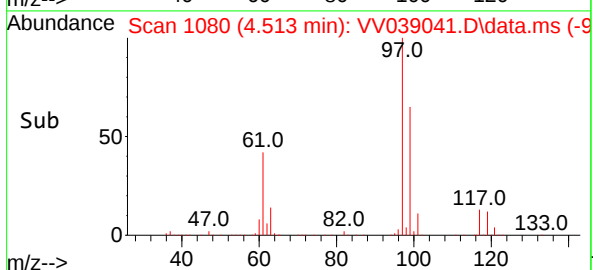
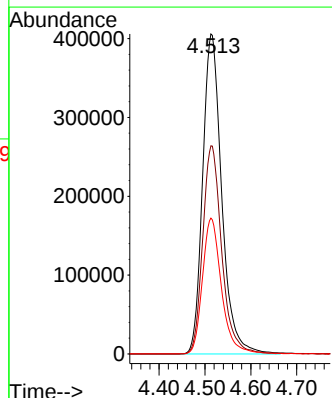
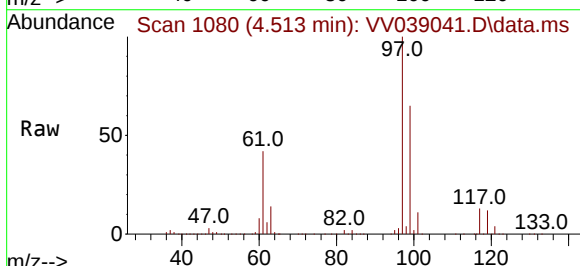
Tgt Ion: 97 Resp: 1172795

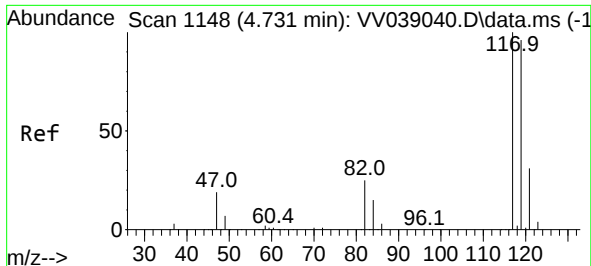
Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

61 42.0 33.7 50.5

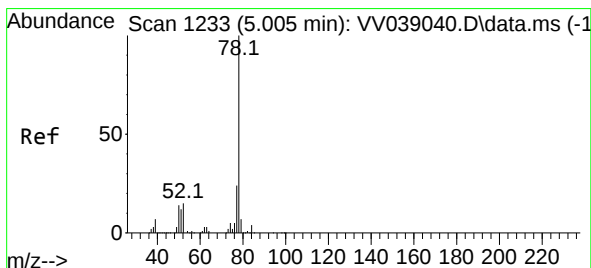
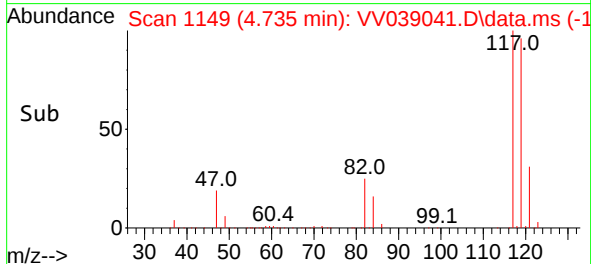
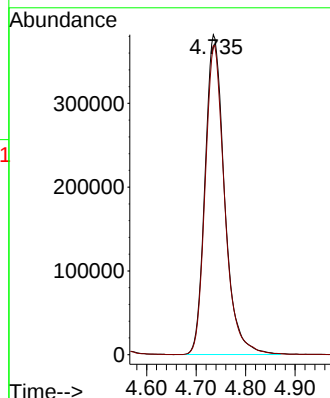
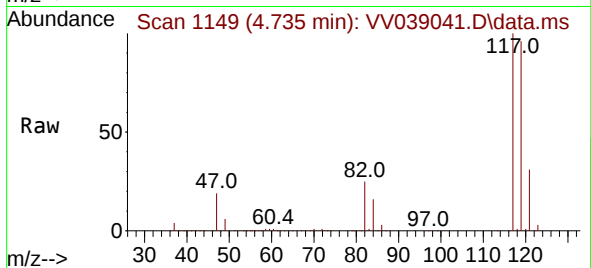




#31
Carbon tetrachloride
Concen: 90.706 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

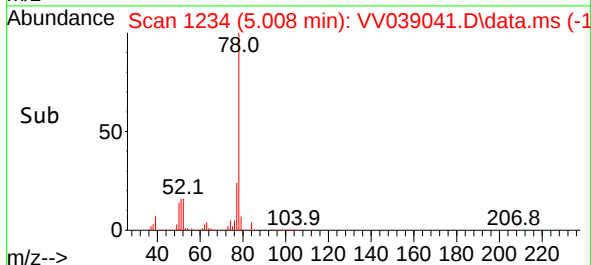
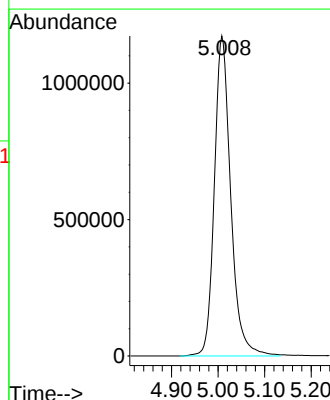
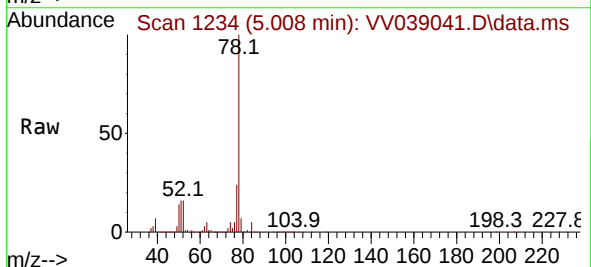
Instrument :
MSVOA_V
ClientSampleId :

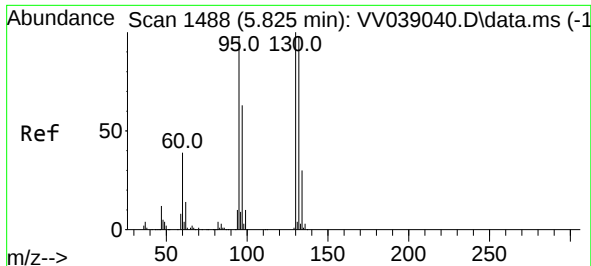
Tgt Ion:117 Resp: 1046217
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4



#33
Benzene
Concen: 91.514 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

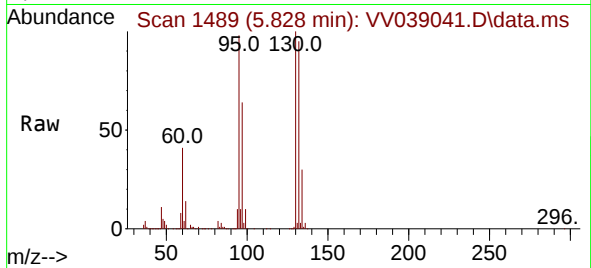
Tgt Ion: 78 Resp: 2866935



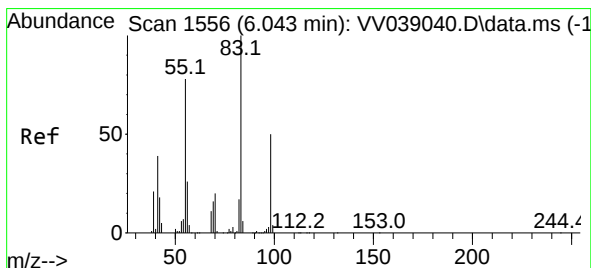
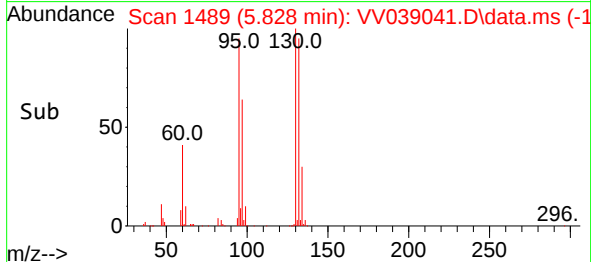
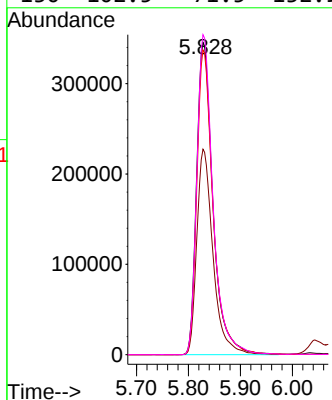


#34
 Trichloroethene
 Concen: 91.571 ug/L
 RT: 5.828 min Scan# 1488
 Delta R.T. 0.003 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17

Instrument :
 MSVOA_V
 ClientSampleId :

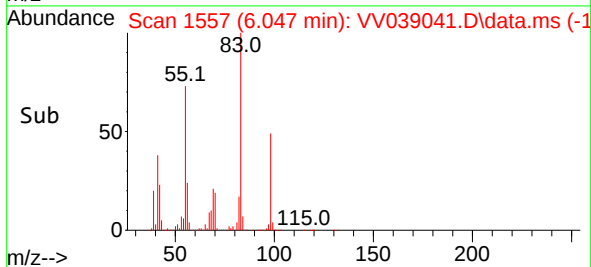
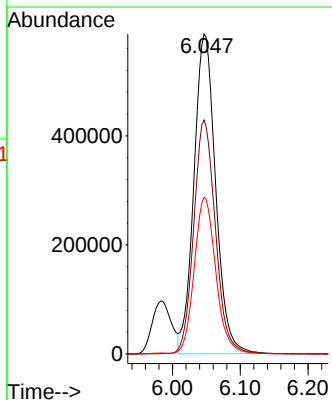
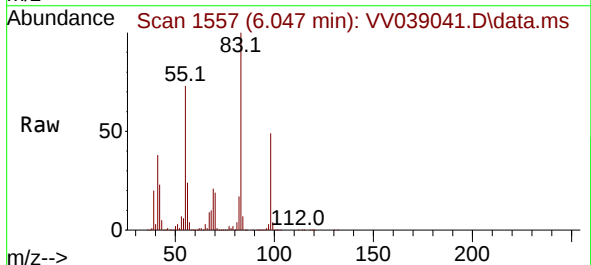


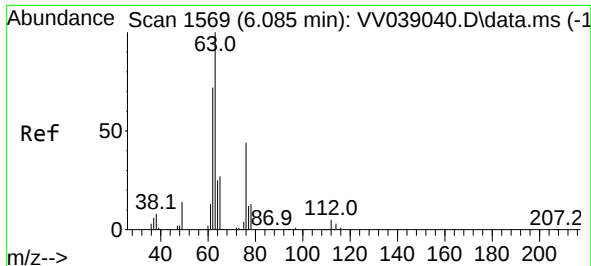
Tgt Ion: 95 Resp: 760551
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.4 84.2
 132 97.6 69.9 129.7
 130 102.5 71.5 132.9



#35
 Methylcyclohexane
 Concen: 99.609 ug/L
 RT: 6.047 min Scan# 1557
 Delta R.T. 0.003 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17

Tgt Ion: 83 Resp: 1307427
 Ion Ratio Lower Upper
 83 100
 55 72.9 59.0 88.6
 98 48.8 37.7 56.5





#37

1,2-Dichloropropane

Concen: 84.521 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

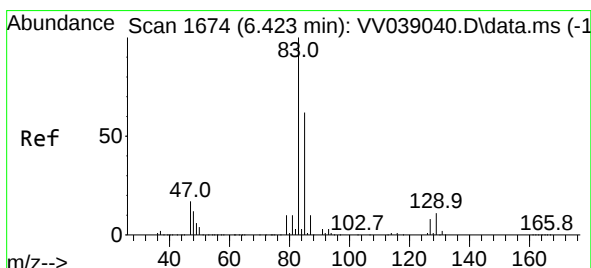
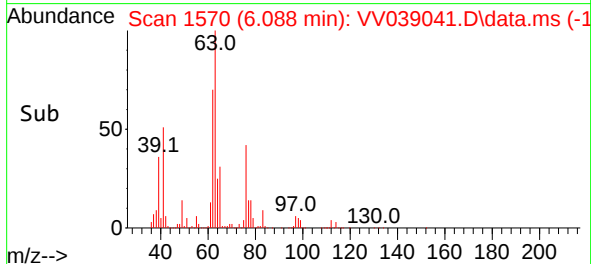
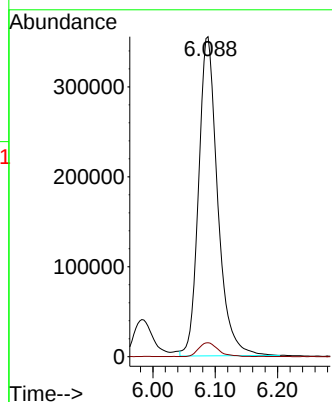
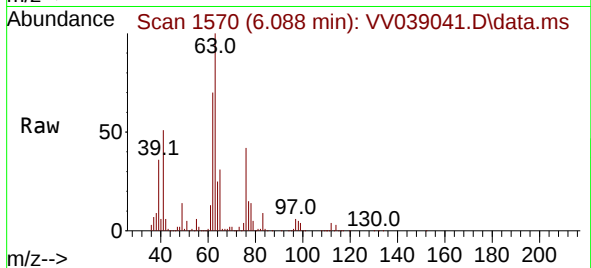
ClientSampleId :

Tgt Ion: 63 Resp: 753710

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 87.022 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

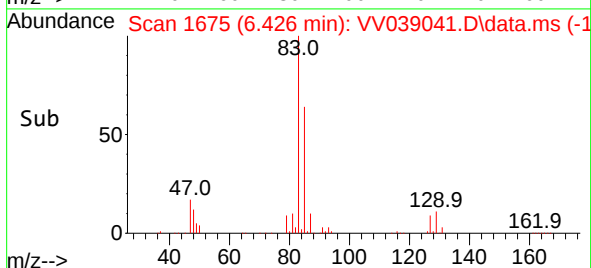
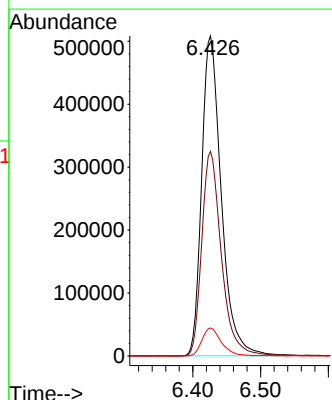
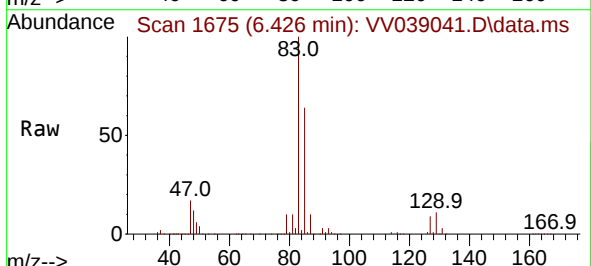
Tgt Ion: 83 Resp: 1024137

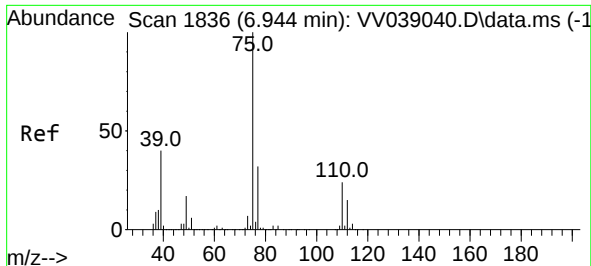
Ion Ratio Lower Upper

83 100

85 63.9 43.5 80.7

127 8.7 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 99.294 ug/L

RT: 6.944 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

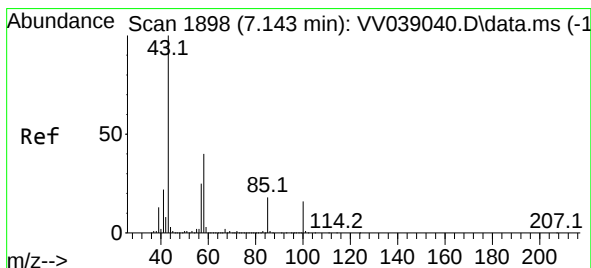
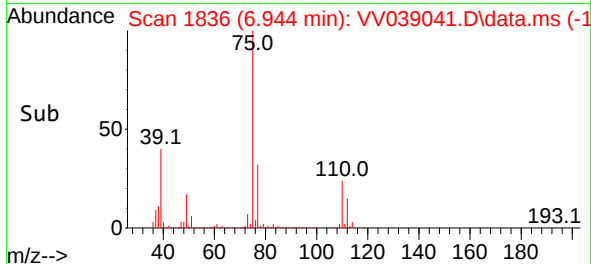
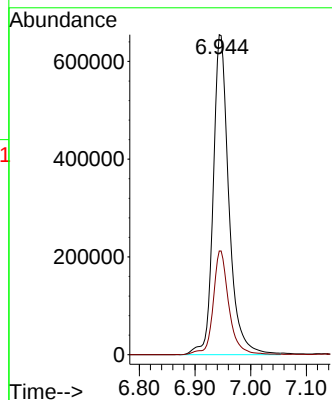
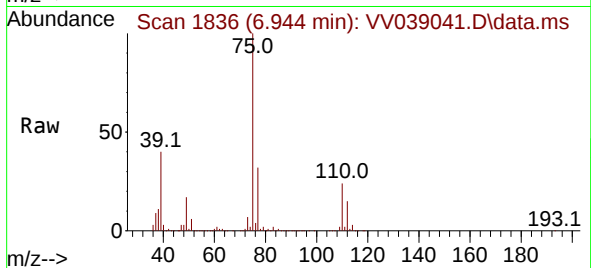
ClientSampleId :

Tgt Ion: 75 Resp: 1283286

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 164.686 ug/L

RT: 7.146 min Scan# 1899

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

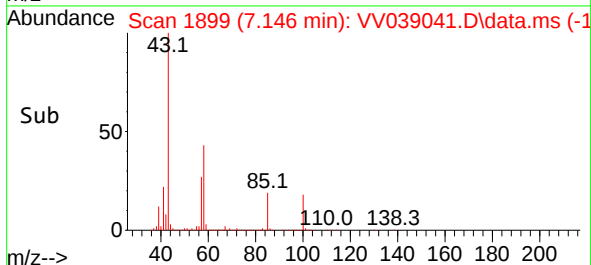
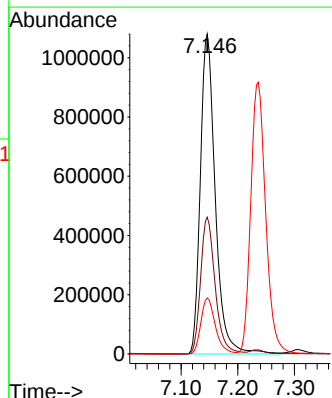
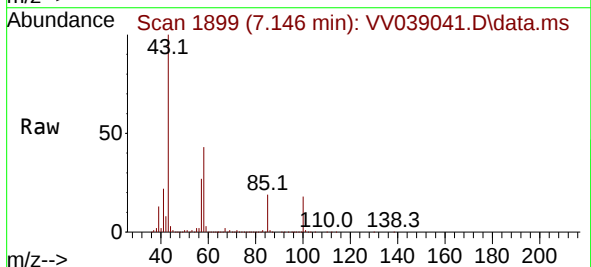
Tgt Ion: 43 Resp: 1974806

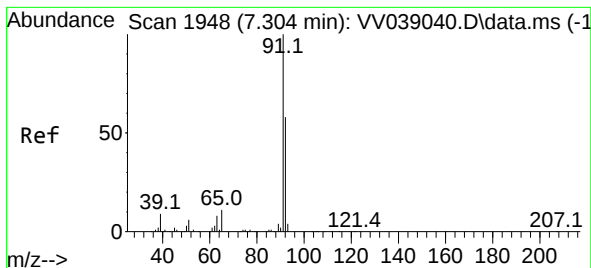
Ion Ratio Lower Upper

43 100

58 41.7 32.6 48.8

100 17.0 12.7 19.1





#42

Toluene

Concen: 94.871 ug/L

RT: 7.307 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

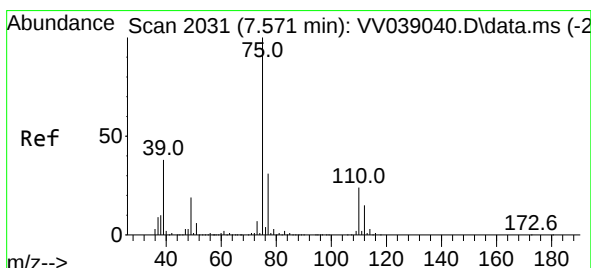
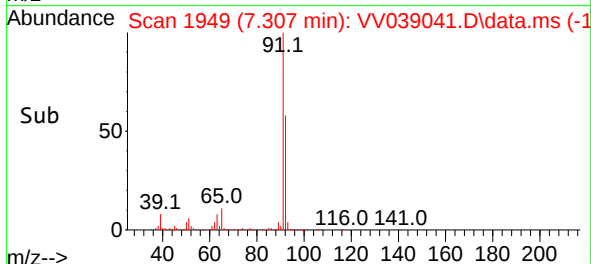
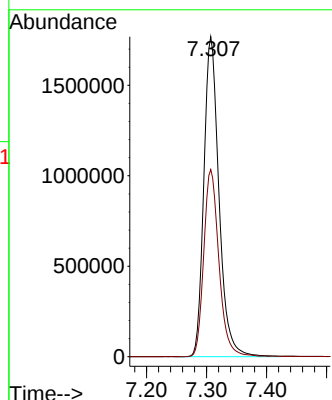
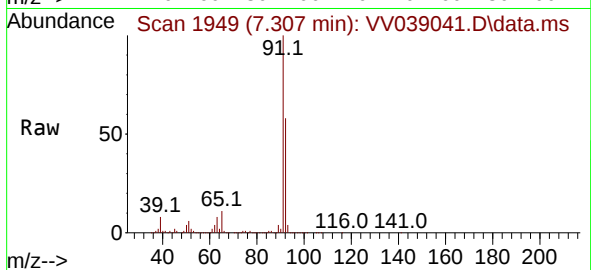
ClientSampleId :

Tgt Ion: 91 Resp: 3108237

Ion Ratio Lower Upper

91 100

92 58.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 95.214 ug/L

RT: 7.571 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VV039041.D

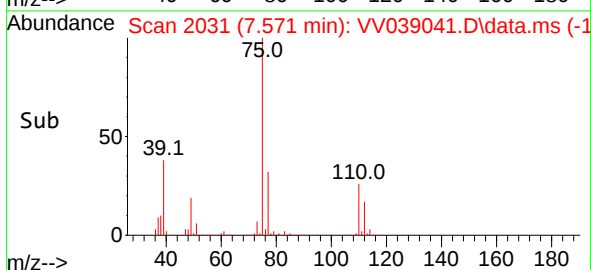
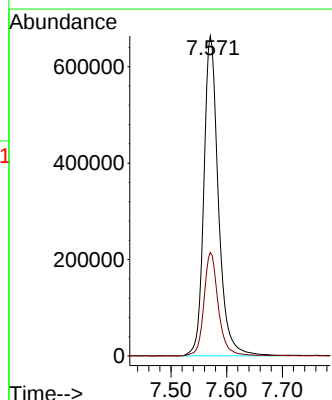
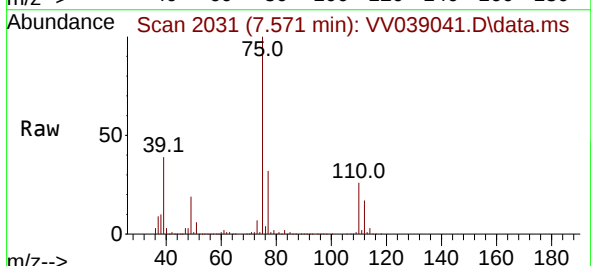
Acq: 11 Sep 2025 12:17

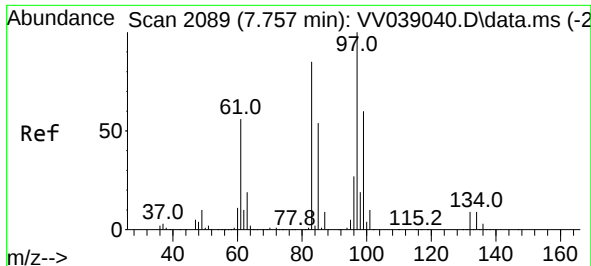
Tgt Ion: 75 Resp: 1205990

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 85.791 ug/L

RT: 7.757 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 768283

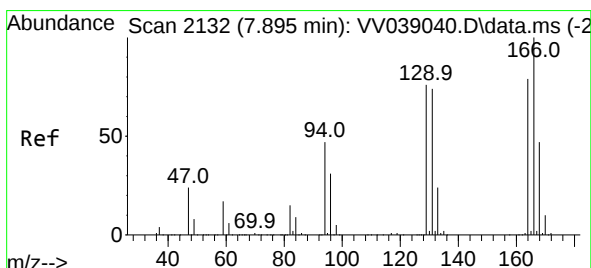
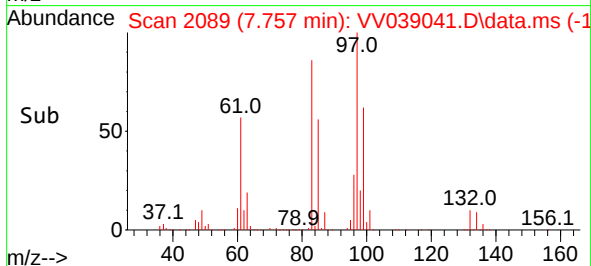
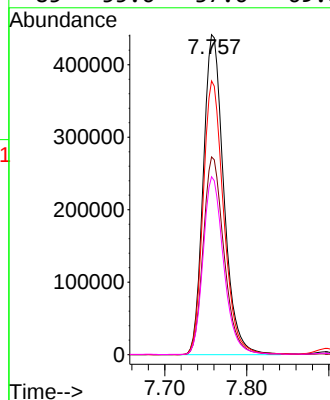
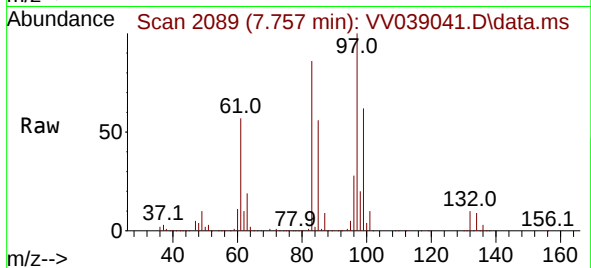
Ion Ratio Lower Upper

97 100

99 61.8 42.3 78.5

83 85.5 59.4 110.2

85 55.6 37.6 69.8



#46

Tetrachloroethene

Concen: 94.748 ug/L

RT: 7.895 min Scan# 2132

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Tgt Ion: 164 Resp: 586553

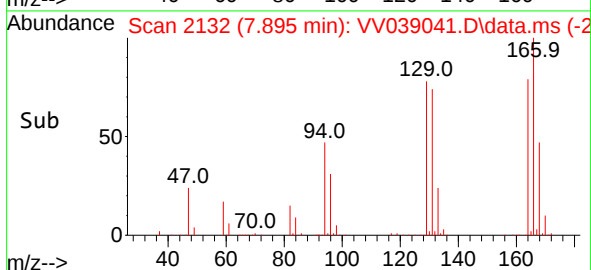
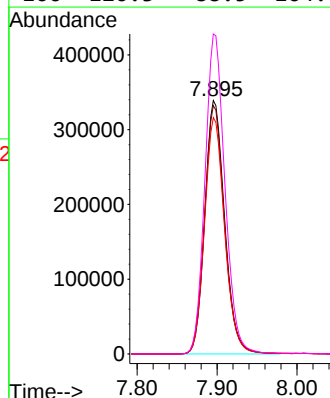
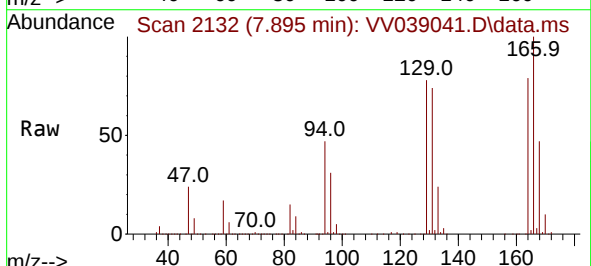
Ion Ratio Lower Upper

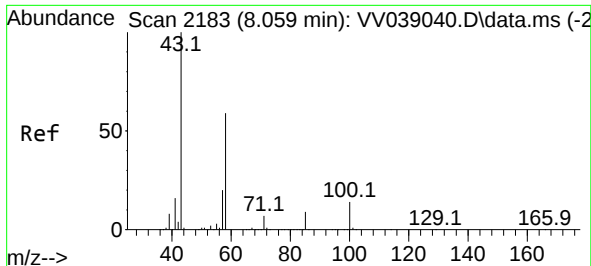
164 100

129 98.0 67.0 124.4

131 93.3 65.6 121.8

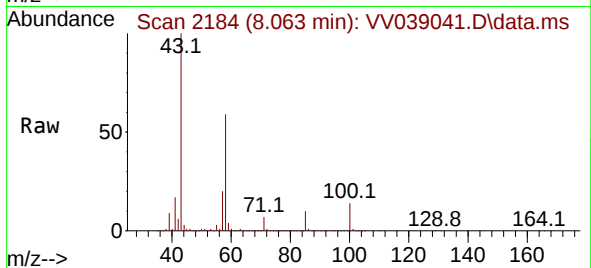
166 126.3 88.5 164.4





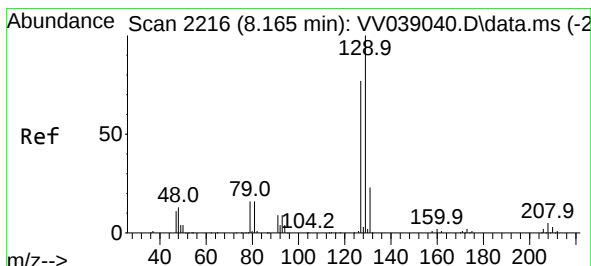
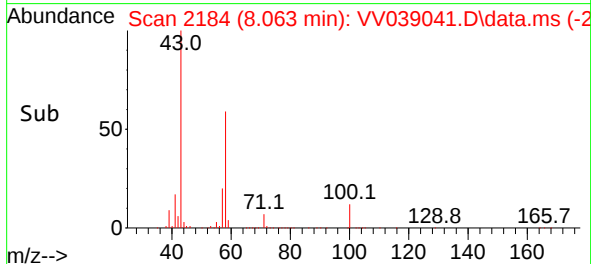
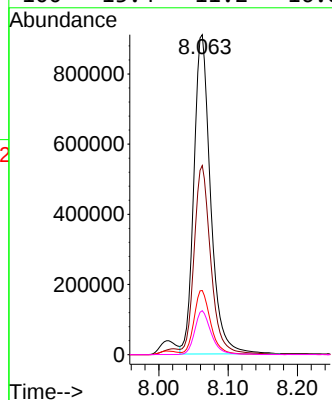
#48
2-Hexanone
Concen: 176.371 ug/L
RT: 8.063 min Scan# 2183
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 1529573

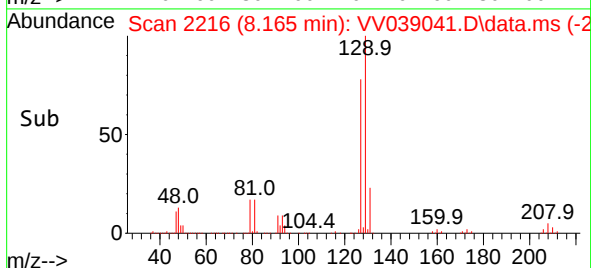
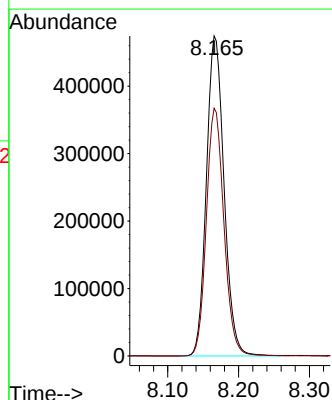
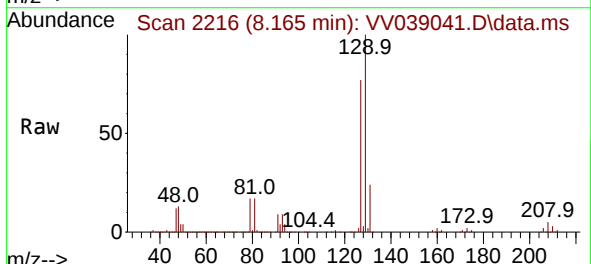
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.3	69.5
57	20.1	15.8	23.6
100	13.4	11.2	16.8

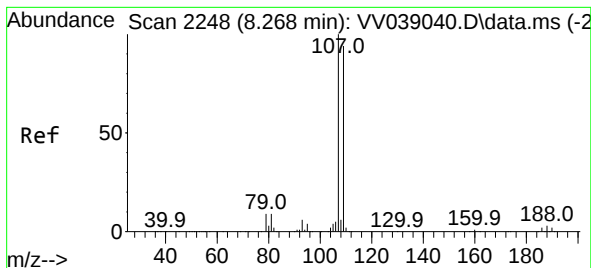


#49
Dibromochloromethane
Concen: 90.602 ug/L
RT: 8.165 min Scan# 2216
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 129 Resp: 820864

Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.8	100.0





#50

1,2-Dibromoethane

Concen: 90.541 ug/L

RT: 8.271 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

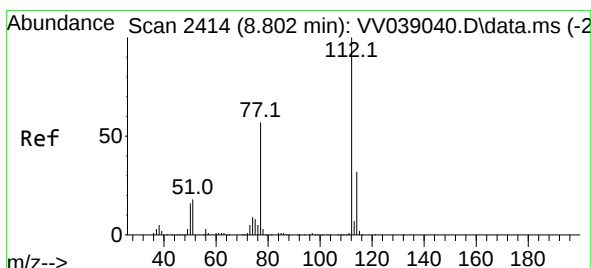
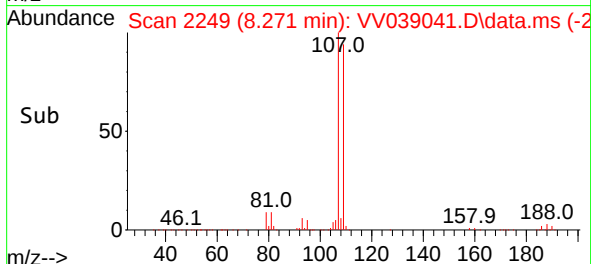
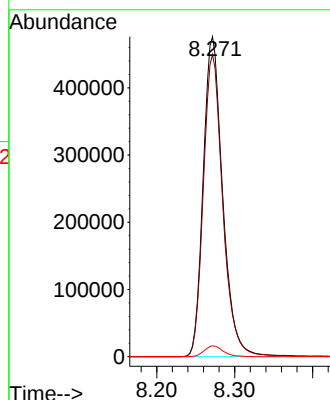
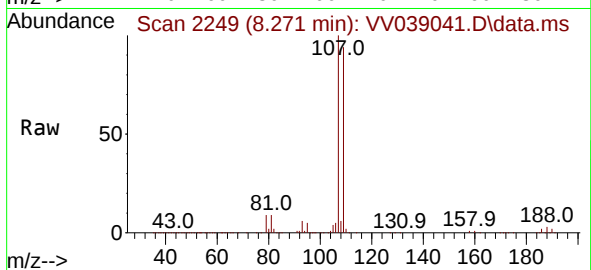
Tgt Ion:107 Resp: 823989

Ion Ratio Lower Upper

107 100

109 94.5 66.1 122.8

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 90.692 ug/L

RT: 8.802 min Scan# 2414

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

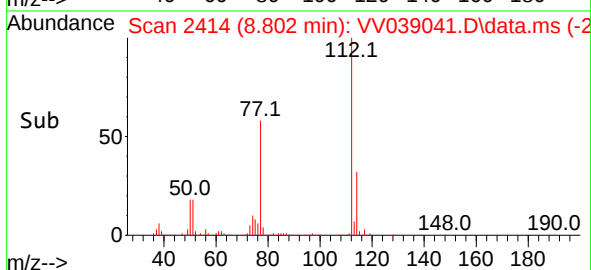
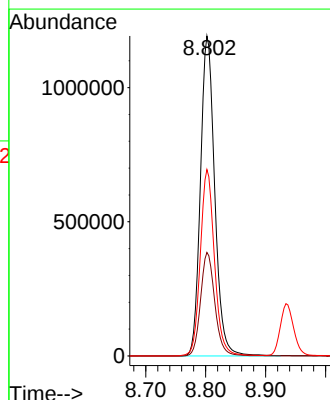
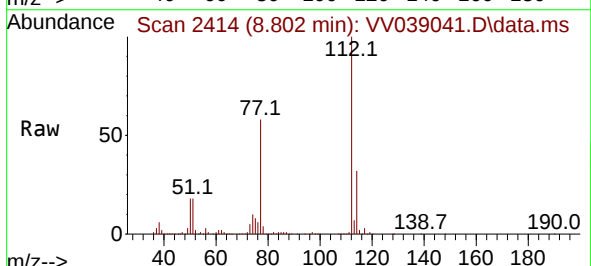
Tgt Ion:112 Resp: 1983931

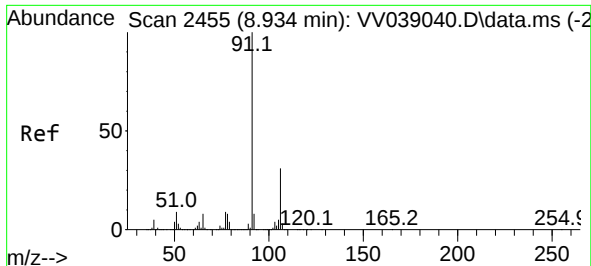
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 58.2 45.5 68.3

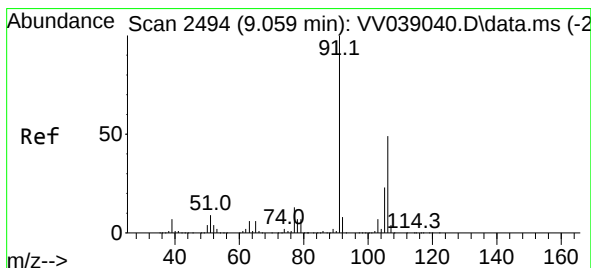
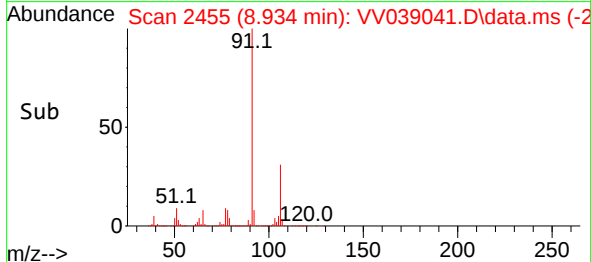
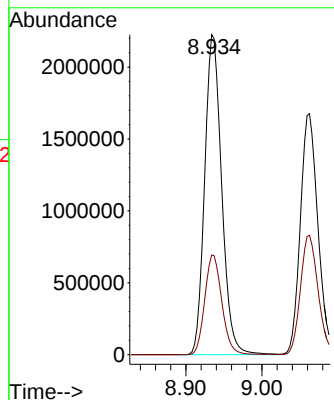
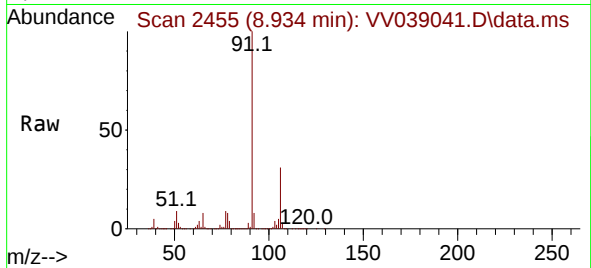




#52
Ethylbenzene
Concen: 98.836 ug/L
RT: 8.934 min Scan# 2455
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

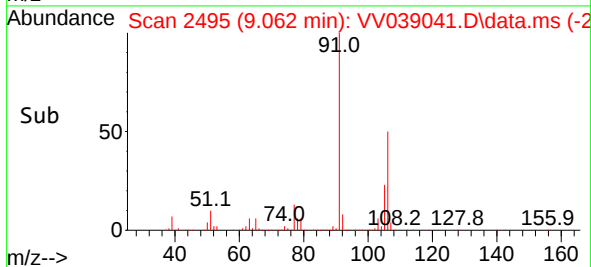
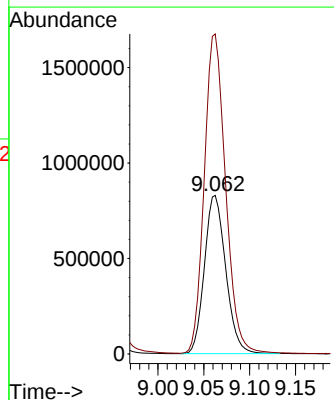
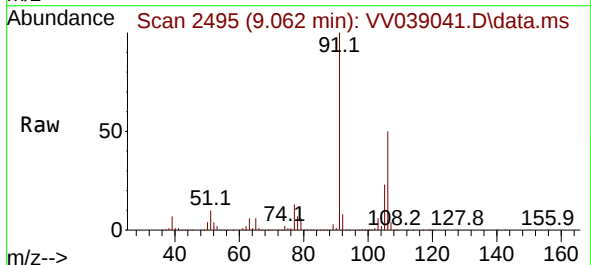
Instrument :
MSVOA_V
ClientSampleId :

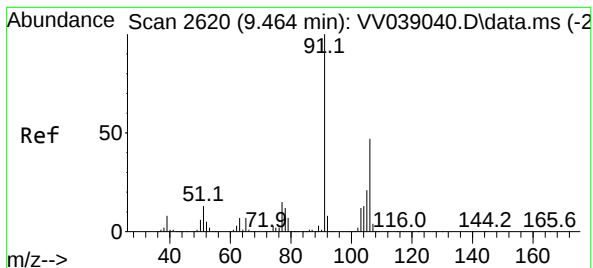
Tgt Ion: 91 Resp: 3458124
Ion Ratio Lower Upper
91 100
106 31.2 21.7 40.3



#53
m,p-Xylene
Concen: 104.317 ug/L
RT: 9.062 min Scan# 2495
Delta R.T. 0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 106 Resp: 1340784
Ion Ratio Lower Upper
106 100
91 201.8 142.0 263.8





#54

o-Xylene

Concen: 104.333 ug/L

RT: 9.468 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

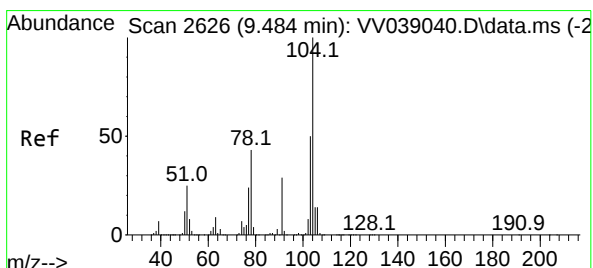
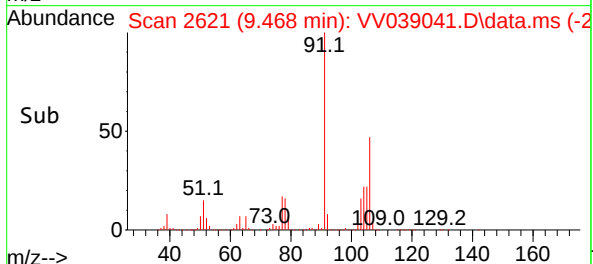
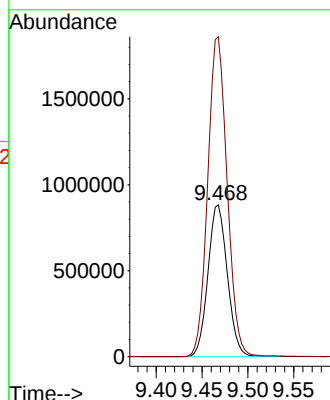
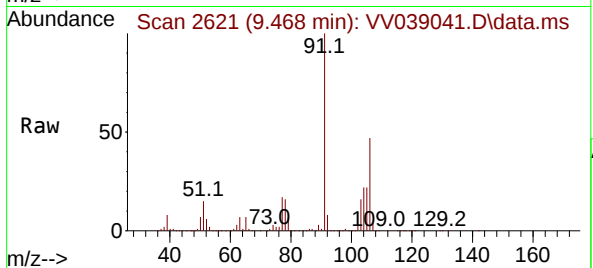
ClientSampleId :

Tgt Ion:106 Resp: 1297889

Ion Ratio Lower Upper

106 100

91 210.7 149.1 276.9



#55

Styrene

Concen: 105.670 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.000 min

Lab File: VV039041.D

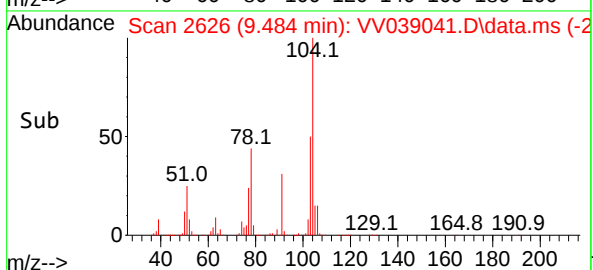
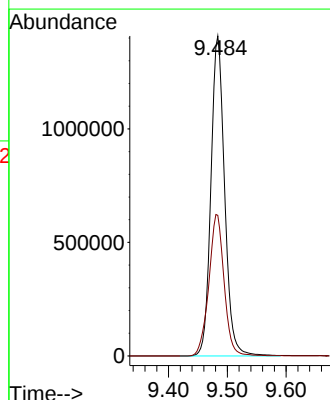
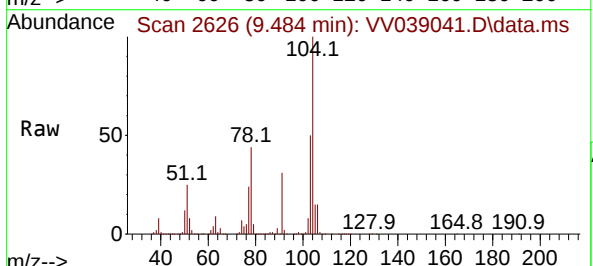
Acq: 11 Sep 2025 12:17

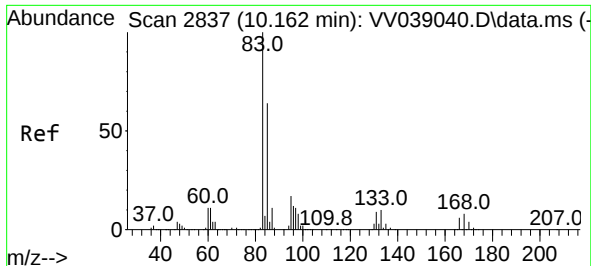
Tgt Ion:104 Resp: 2284356

Ion Ratio Lower Upper

104 100

78 44.0 30.3 56.3





#57

1,1,2-Tetrachloroethane

Concen: 85.101 ug/L

RT: 10.165 min Scan# 2838

Delta R.T. 0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

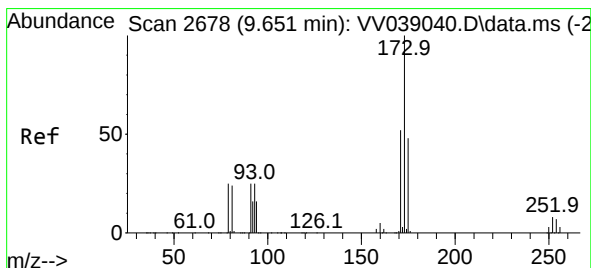
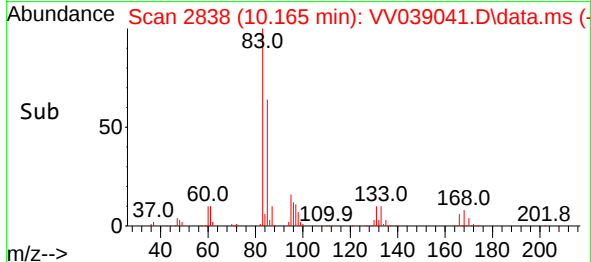
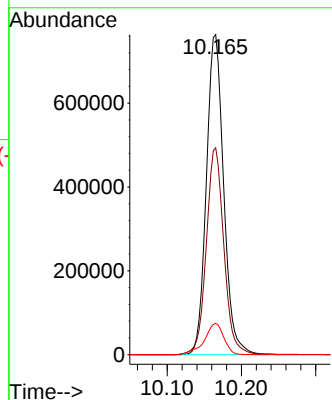
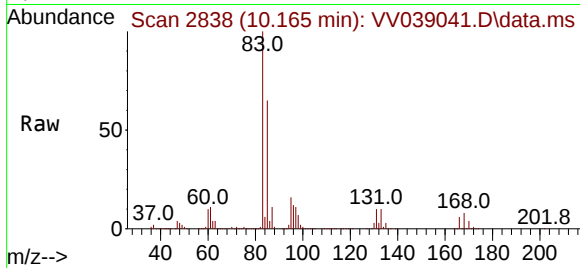
Tgt Ion: 83 Resp: 1234534

Ion Ratio Lower Upper

83 100

85 64.7 44.8 83.2

131 9.8 7.6 11.4



#59

Bromoform

Concen: 90.273 ug/L

RT: 9.651 min Scan# 2678

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

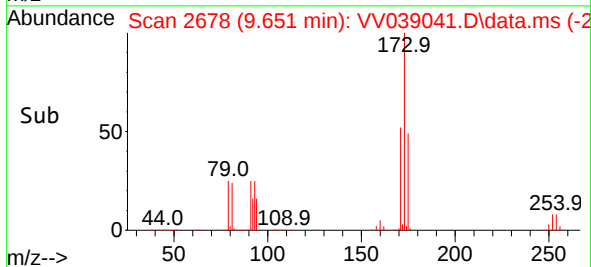
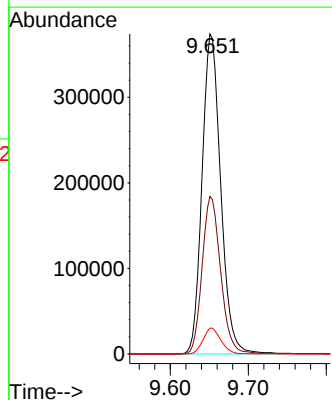
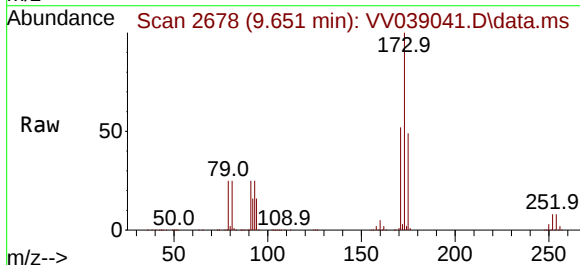
Tgt Ion: 173 Resp: 622173

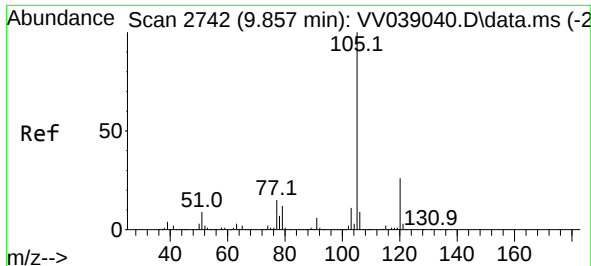
Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

254 7.7 5.9 8.9

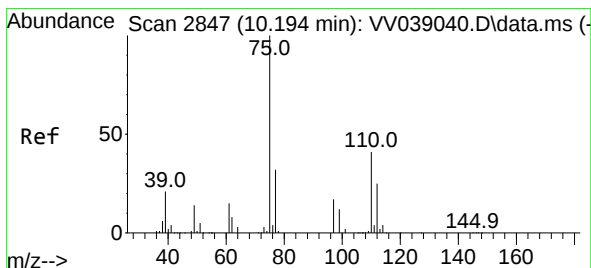
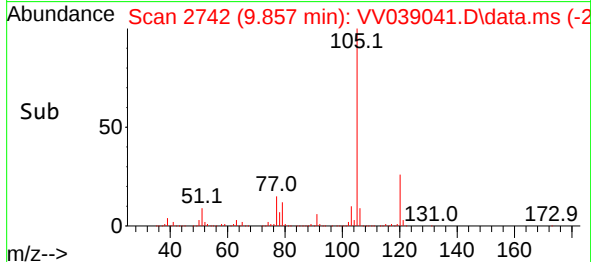
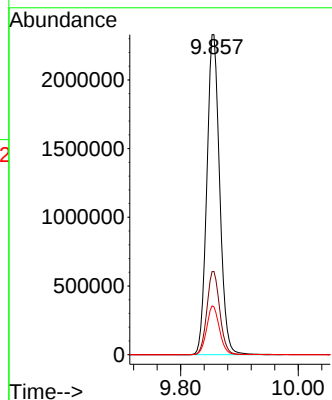
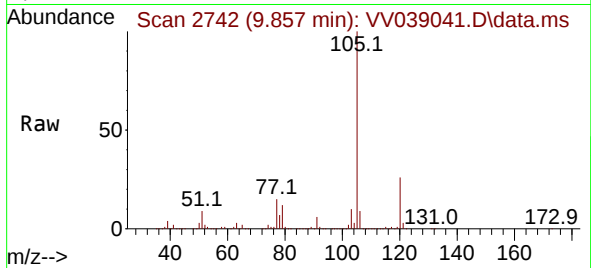




#60
Isopropylbenzene
Concen: 100.486 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

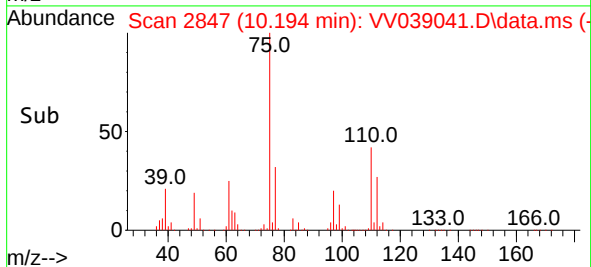
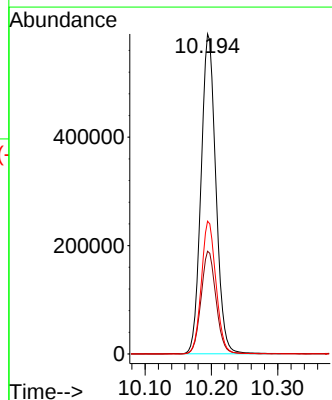
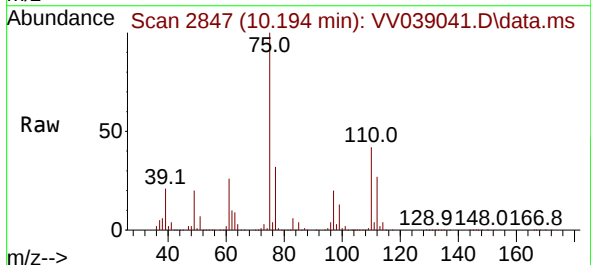
Instrument :
MSVOA_V
ClientSampleId :

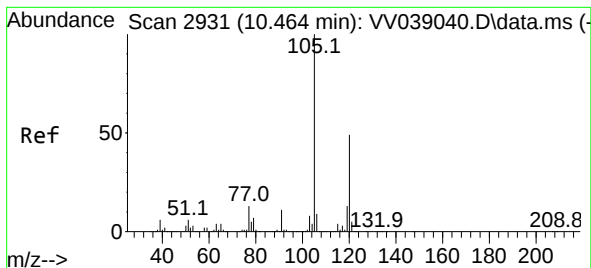
Tgt Ion:105 Resp: 3515200
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.4
77 15.2 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 77.814 ug/L
RT: 10.194 min Scan# 2847
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

Tgt Ion: 75 Resp: 916761
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
110 41.2 32.4 48.6





#62

1,3,5-Trimethylbenzene

Concen: 104.626 ug/L

RT: 10.464 min Scan# 2931

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

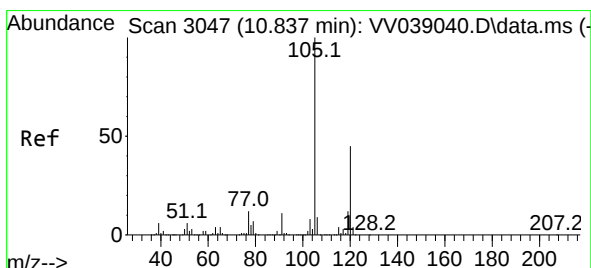
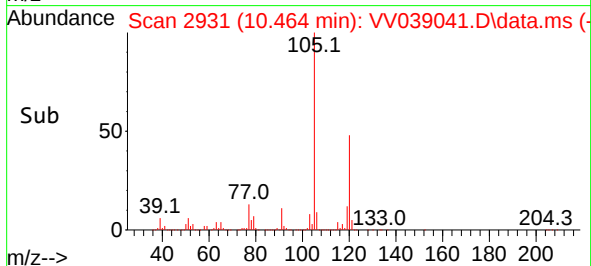
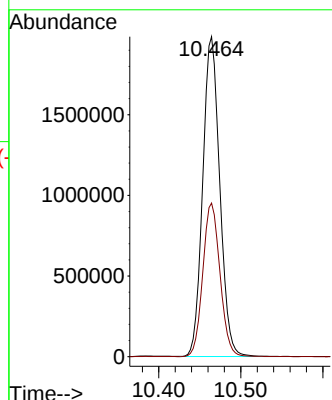
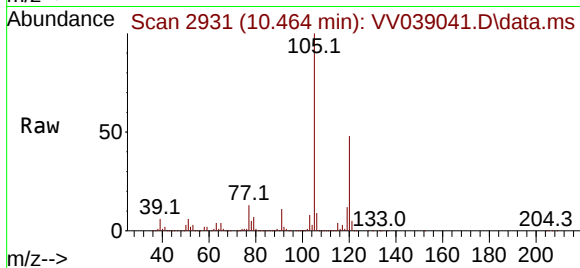
ClientSampleId :

Tgt Ion:105 Resp: 2854715

Ion Ratio Lower Upper

105 100

120 48.5 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 109.859 ug/L

RT: 10.837 min Scan# 3047

Delta R.T. 0.000 min

Lab File: VV039041.D

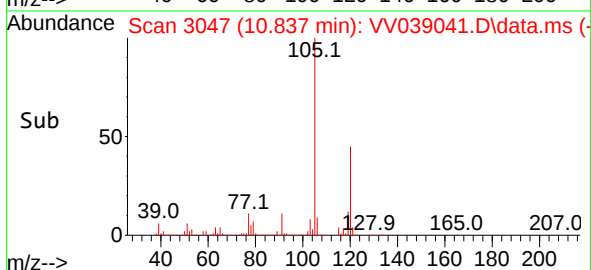
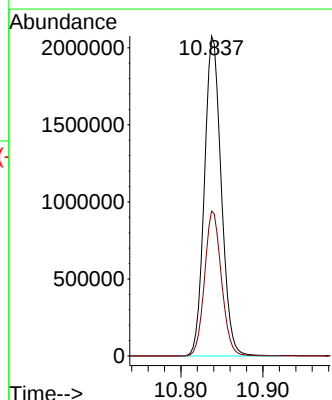
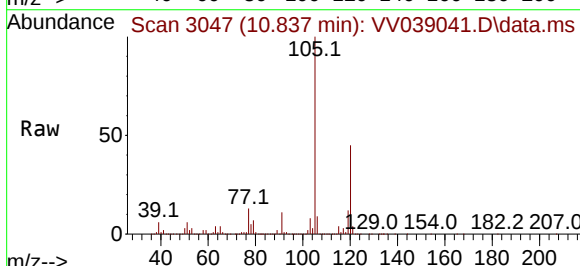
Acq: 11 Sep 2025 12:17

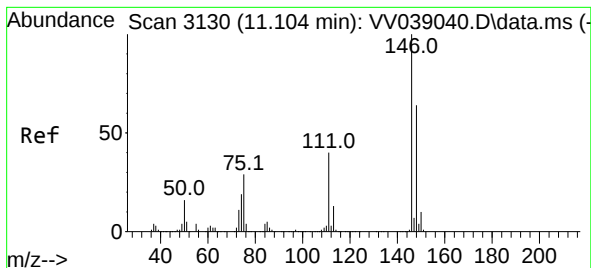
Tgt Ion:105 Resp: 2951304

Ion Ratio Lower Upper

105 100

120 45.4 36.1 54.1





#64

1,3-Dichlorobenzene

Concen: 97.543 ug/L

RT: 11.104 min Scan# 3130

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

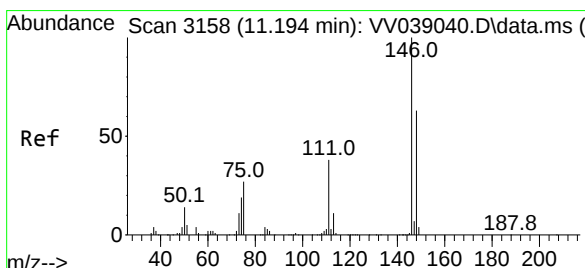
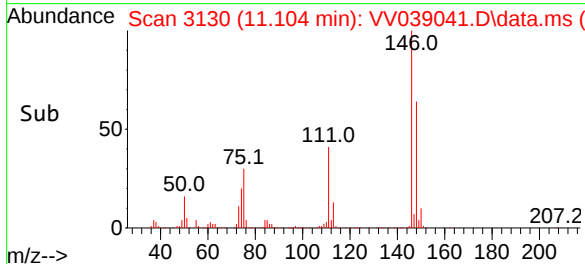
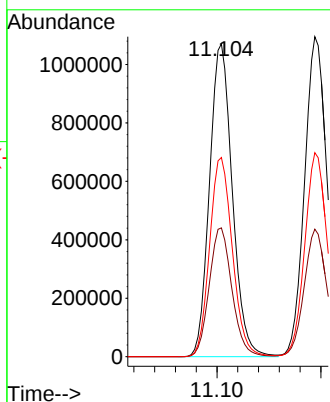
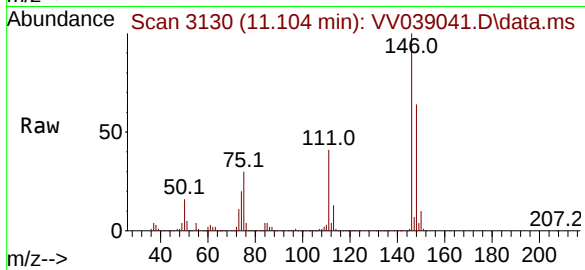
Tgt Ion:146 Resp: 1631105

Ion Ratio Lower Upper

146 100

111 41.2 28.3 52.5

148 63.7 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 93.761 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.000 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

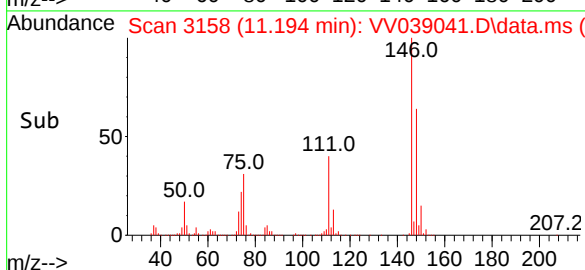
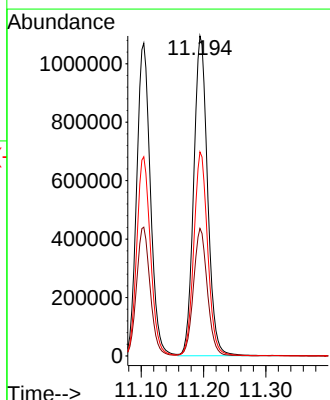
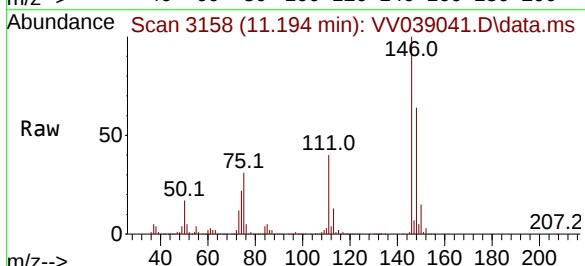
Tgt Ion:146 Resp: 1687729

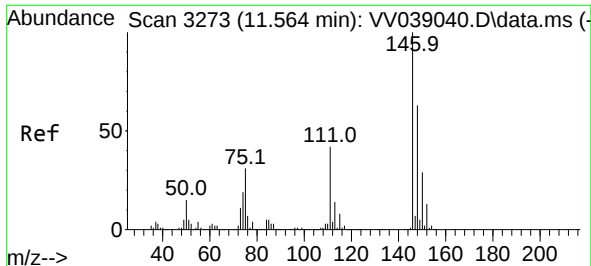
Ion Ratio Lower Upper

146 100

111 39.9 27.0 50.2

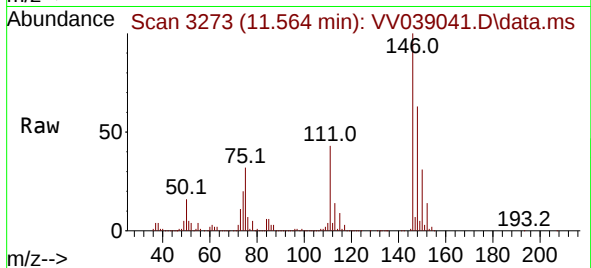
148 63.8 44.0 81.6



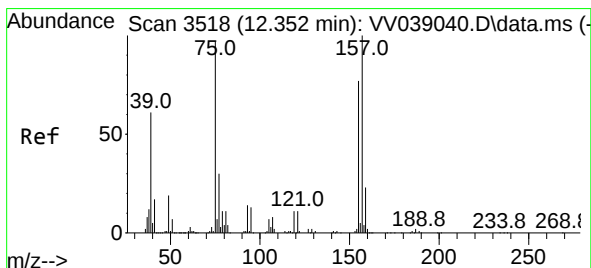
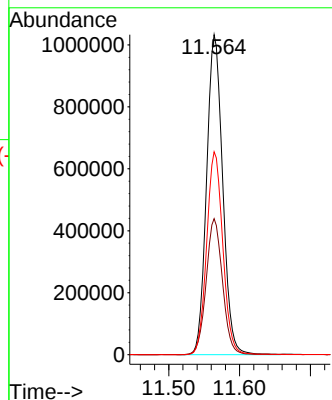
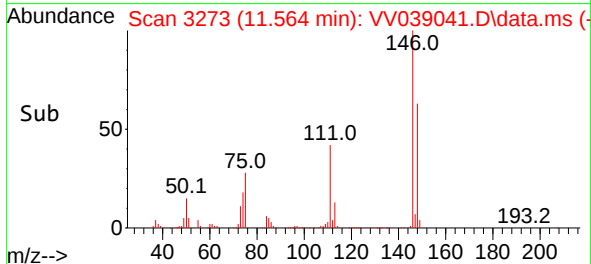


#67
1,2-Dichlorobenzene
Concen: 96.230 ug/L
RT: 11.564 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17

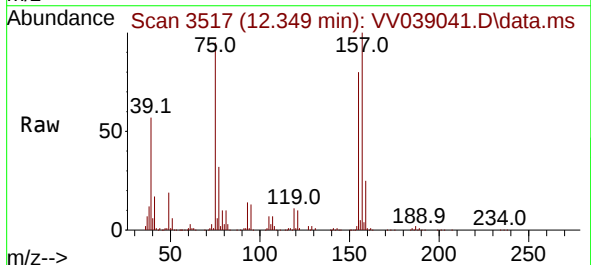
Instrument :
MSVOA_V
ClientSampleId :



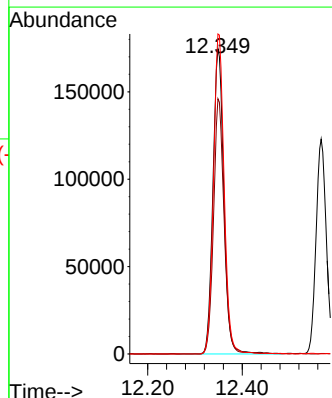
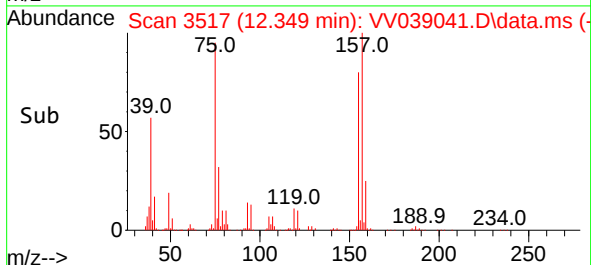
Tgt Ion:146 Resp: 1626232
Ion Ratio Lower Upper
146 100
111 42.5 33.4 50.2
148 63.4 50.4 75.6

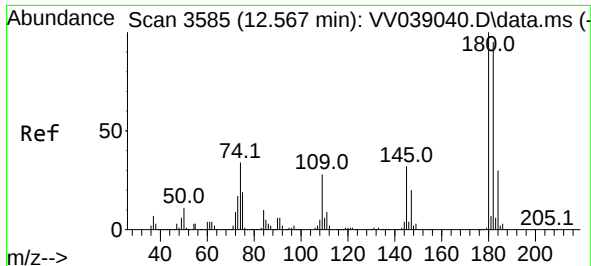


#68
1,2-Dibromo-3-chloropropane
Concen: 82.511 ug/L
RT: 12.349 min Scan# 3517
Delta R.T. -0.003 min
Lab File: VV039041.D
Acq: 11 Sep 2025 12:17



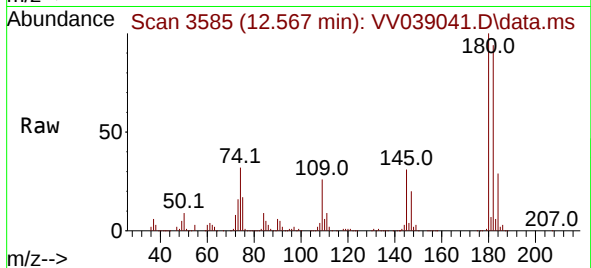
Tgt Ion: 75 Resp: 279296
Ion Ratio Lower Upper
75 100
155 83.6 63.7 95.5
157 104.8 82.2 123.2



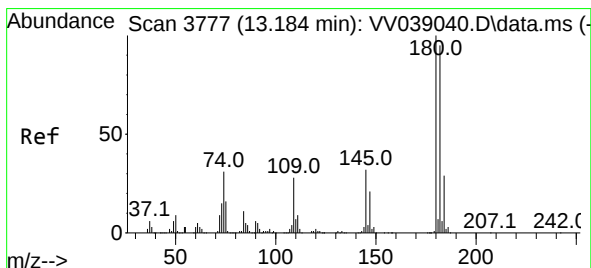
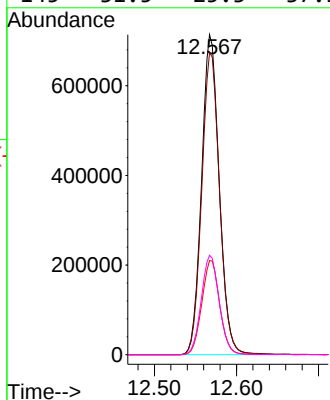
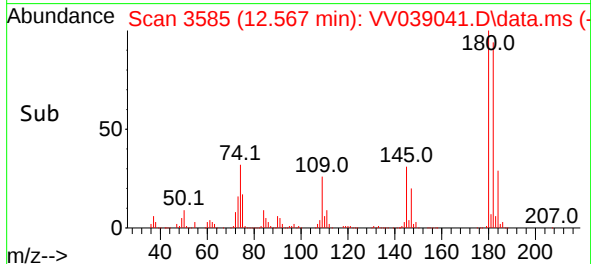


#69
 1,3,5-Trichlorobenzene
 Concen: 96.730 ug/L
 RT: 12.567 min Scan# 3585
 Delta R.T. 0.000 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17

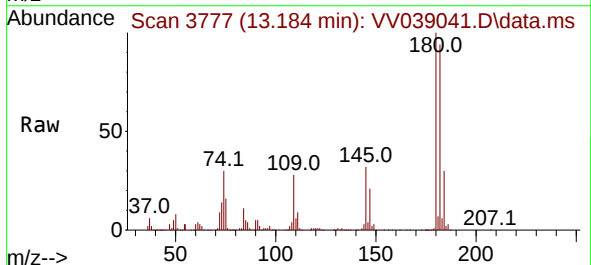
Instrument :
 MSVOA_V
 ClientSampleId :



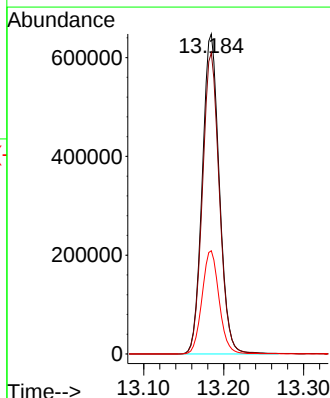
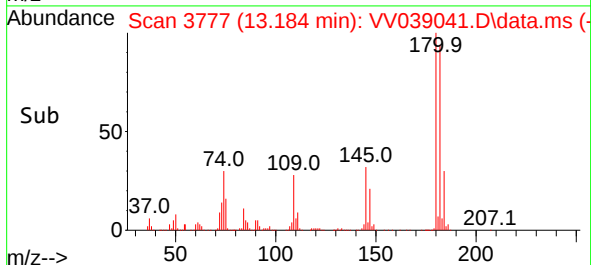
Tgt Ion:180 Resp: 1069526
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.0 112.4
 184 29.8 23.8 35.8
 145 31.5 25.3 37.9

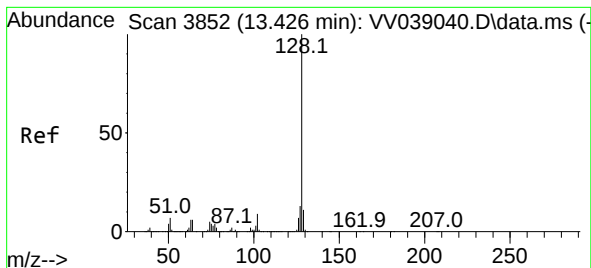


#70
 1,2,4-trichlorobenzene
 Concen: 101.766 ug/L
 RT: 13.184 min Scan# 3777
 Delta R.T. 0.000 min
 Lab File: VV039041.D
 Acq: 11 Sep 2025 12:17



Tgt Ion:180 Resp: 962430
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.0 114.0
 145 32.3 25.8 38.6





#71

Naphthalene

Concen: 102.840 ug/L

RT: 13.422 min Scan# 3851

Delta R.T. -0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Instrument :

MSVOA_V

ClientSampleId :

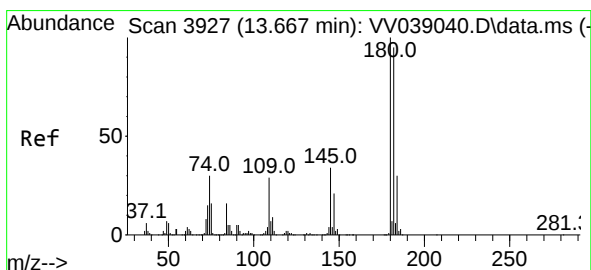
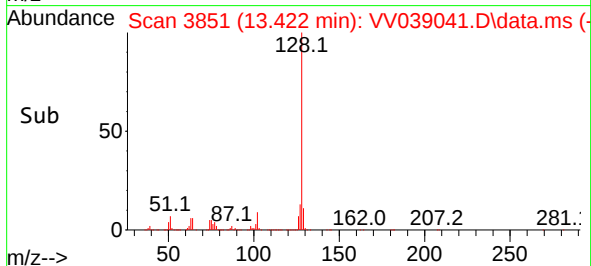
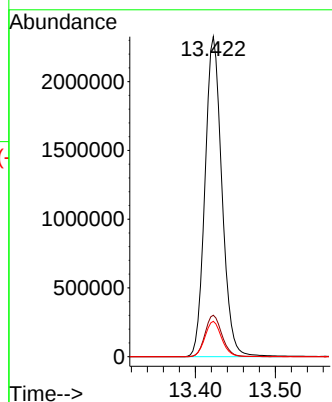
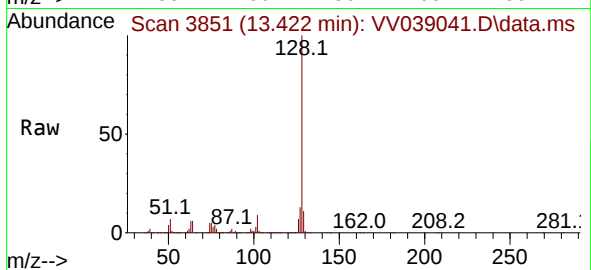
Tgt Ion:128 Resp: 3427669

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 100.549 ug/L

RT: 13.664 min Scan# 3926

Delta R.T. -0.003 min

Lab File: VV039041.D

Acq: 11 Sep 2025 12:17

Tgt Ion:180 Resp: 996102

Ion Ratio Lower Upper

180 100

182 95.3 75.9 113.9

145 34.9 27.1 40.7

