

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091525\
 Data File : VV039090.D
 Acq On : 15 Sep 2025 19:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Quant Time: Sep 16 02:27:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 16 02:04:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	459576	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	459718	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	228696	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	157228	4.338	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.545	69	138324	4.404	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.000%
11) 1,1-Dichloroethene-d2	2.072	65	70438	4.079	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.600%
20) 2-Butanone-d5	3.793	46	261250	48.527	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.060%
24) Chloroform-d	4.256	84	323852	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	4.947	65	135093	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	4.963	84	594789	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	5.989	67	172837	4.597	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.236	98	555752	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	7.551	79	63771	4.637	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.014	63	220957	49.627	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.260%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	129339	4.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	11.548	152	166712	4.529	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	232485	4.824	ug/L	100
3) Chloromethane	1.227	50	227565	4.809	ug/L	97
5) Vinyl chloride	1.294	62	245860	4.886	ug/L	98
6) Bromomethane	1.497	94	120235	4.189	ug/L	98
8) Chloroethane	1.561	64	155465	4.958	ug/L	99
9) Trichlorofluoromethane	1.725	101	325834	4.806	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	192329	4.605	ug/L	97
12) 1,1-Dichloroethene	2.082	96	176949	4.689	ug/L	97
13) Acetone	2.121	43	234376	51.752	ug/L	97
14) Carbon disulfide	2.253	76	614139	4.757	ug/L	99
15) Methyl Acetate	2.391	43	58623	5.155	ug/L	99
16) Methylene chloride	2.458	84	211882	4.989	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	327376	5.046	ug/L	99
18) trans-1,2-Dichloroethene	2.706	96	187684	4.886	ug/L	96
19) 1,1-Dichloroethane	3.121	63	356570	5.061	ug/L	97
21) 2-Butanone	3.870	43	306135	50.961	ug/L	99
22) cis-1,2-Dichloroethene	3.822	96	192480	5.134	ug/L	98
23) Bromochloromethane	4.153	128	85305	4.975	ug/L	98
25) Chloroform	4.281	83	362423	4.965	ug/L	97

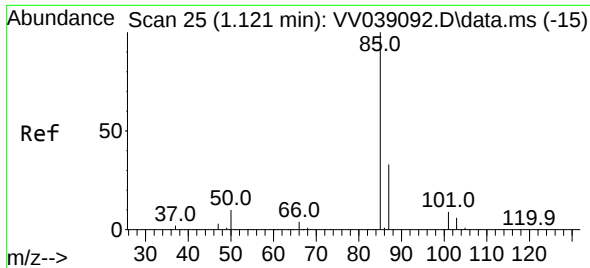
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 16 02:04:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	194470	5.192	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	329707	5.208	ug/L	100
30) Cyclohexane	4.587	56	288935	5.147	ug/L	100
31) Carbon tetrachloride	4.738	117	287145	5.005	ug/L	100
33) Benzene	5.011	78	768065	5.308	ug/L	100
34) Trichloroethene	5.834	95	201937	5.177	ug/L	99
35) Methylcyclohexane	6.050	83	305092	4.999	ug/L	99
37) 1,2-Dichloropropane	6.092	63	199842	5.325	ug/L	98
38) Bromodichloromethane	6.429	83	248336	5.090	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	253206	5.086	ug/L	100
40) 4-Methyl-2-pentanone	7.149	43	835564	56.194	ug/L	99
42) Toluene	7.310	91	836484	5.546	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	210590	5.205	ug/L	96
45) 1,1,2-Trichloroethane	7.764	97	133413	5.177	ug/L	98
47) Tetrachloroethene	7.899	164	151491	4.968	ug/L	94
48) 2-Hexanone	8.066	43	581051	56.213	ug/L	98
49) Dibromochloromethane	8.169	129	155257	5.147	ug/L	99
50) 1,2-Dibromoethane	8.275	107	121531	5.256	ug/L	98
51) Chlorobenzene	8.805	112	507604	5.215	ug/L	98
52) Ethylbenzene	8.937	91	833679	5.366	ug/L	98
53) m,p-Xylene	9.066	106	336012	5.560	ug/L	97
54) o-Xylene	9.468	106	301258	5.433	ug/L	100
55) Styrene	9.487	104	547878	5.593	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	150917	5.254	ug/L	97
59) Bromoform	9.657	173	79862	4.922	ug/L	98
60) Isopropylbenzene	9.857	105	817738	5.346	ug/L	100
61) 1,2,3-Trichloropropane	10.201	75	99721	5.176	ug/L	98
62) 1,3,5-Trimethylbenzene	10.464	105	604810	5.150	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	611071	5.297	ug/L	100
64) 1,3-Dichlorobenzene	11.104	146	393112	5.267	ug/L	99
65) 1,4-Dichlorobenzene	11.197	146	404646	5.240	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	338908	5.124	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	21609	5.149	ug/L	93
69) 1,3,5-Trichlorobenzene	12.570	180	240867	4.924	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	177641	4.824	ug/L	97
71) Naphthalene	13.426	128	275909	4.916	ug/L	100
72) 1,2,3-Trichlorobenzene	13.667	180	166055	5.057	ug/L	100

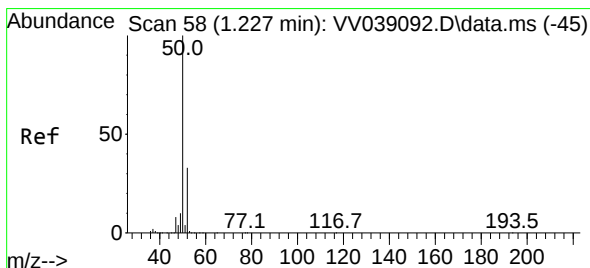
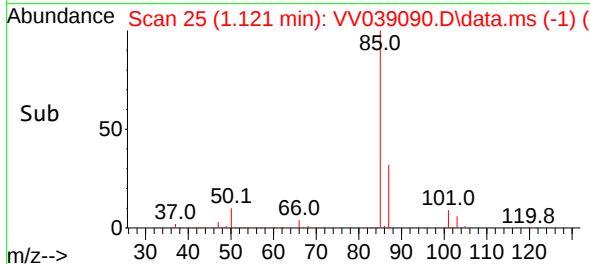
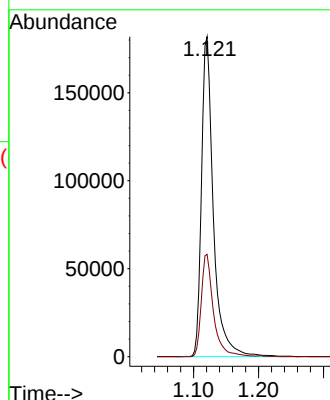
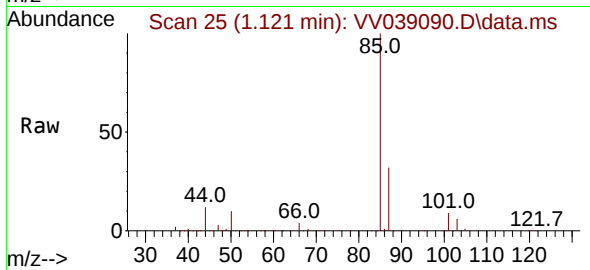
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.824 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

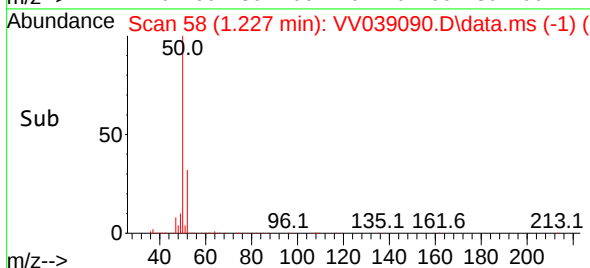
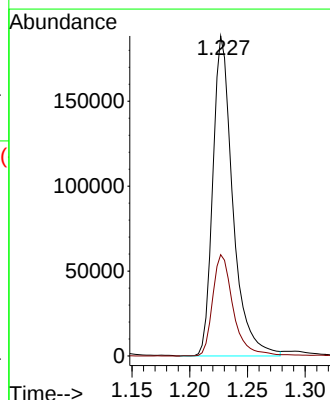
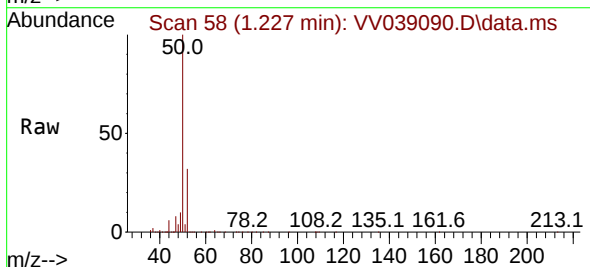
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

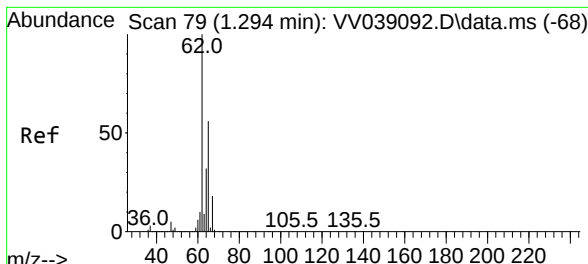
Tgt Ion: 85 Resp: 232485
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 4.809 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

Tgt Ion: 50 Resp: 227565
 Ion Ratio Lower Upper
 50 100
 52 31.7 23.4 43.6



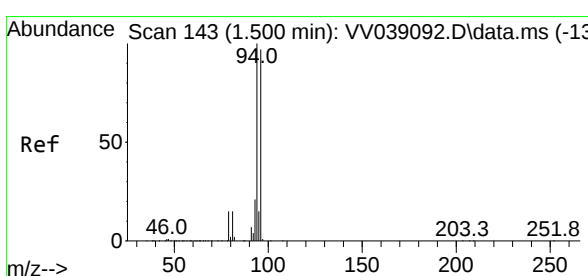
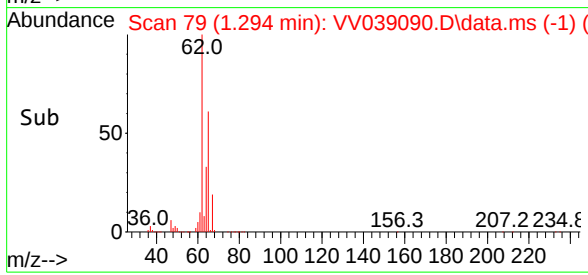
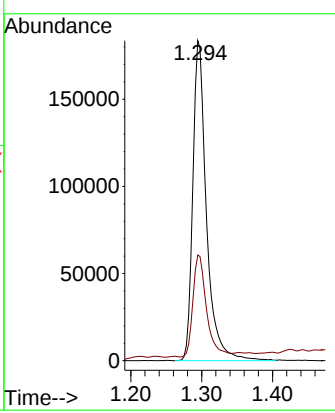
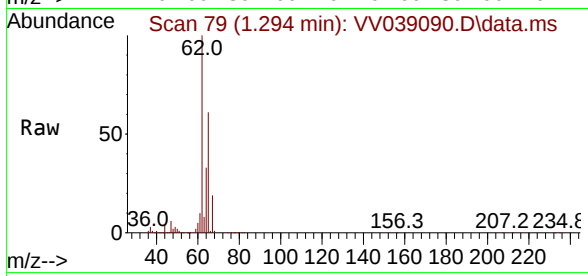


#5
 Vinyl chloride
 Concen: 4.886 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Tgt Ion: 62 Resp: 245860

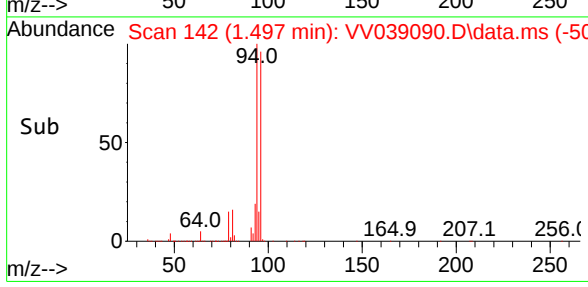
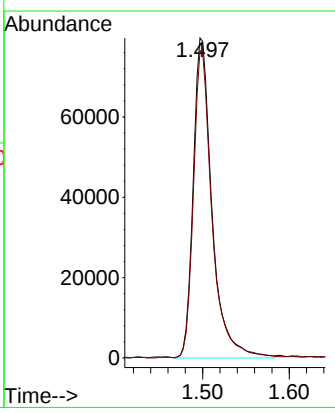
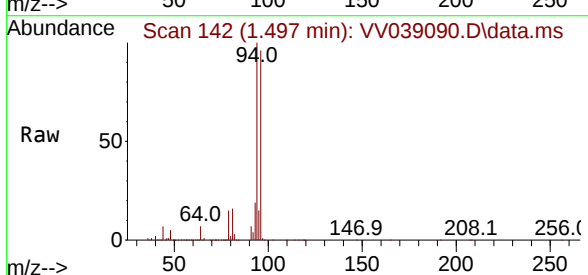
Ion	Ratio	Lower	Upper
62	100		
64	33.0	22.4	41.6

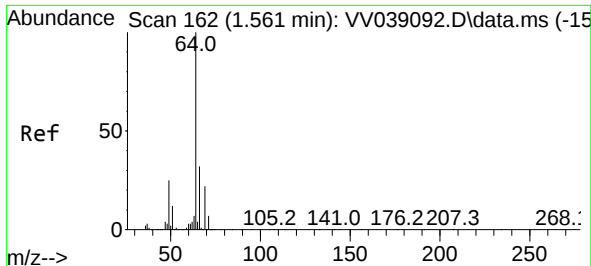


#6
 Bromomethane
 Concen: 4.189 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. -0.003 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

Tgt Ion: 94 Resp: 120235

Ion	Ratio	Lower	Upper
94	100		
96	96.0	65.9	122.5

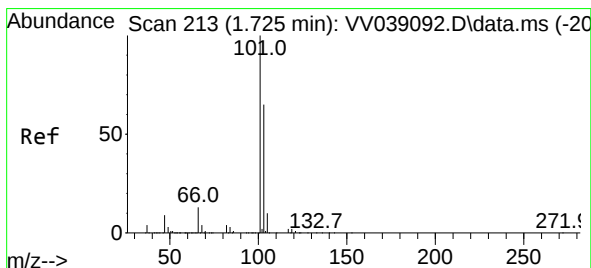
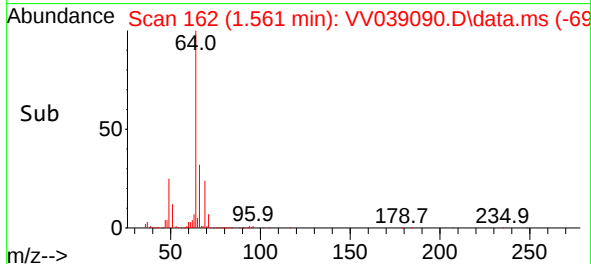
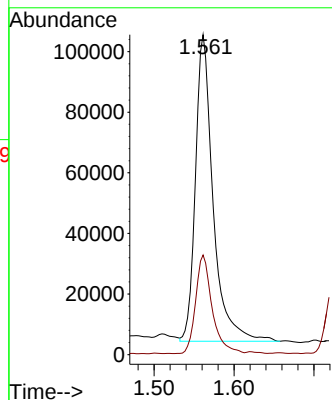
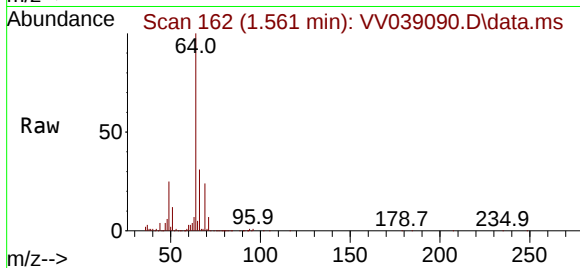




#8
Chloroethane
Concen: 4.958 ug/L
RT: 1.561 min Scan# 162
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

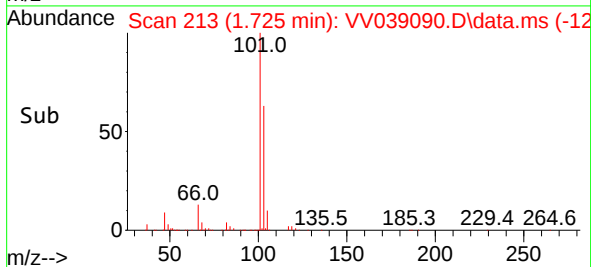
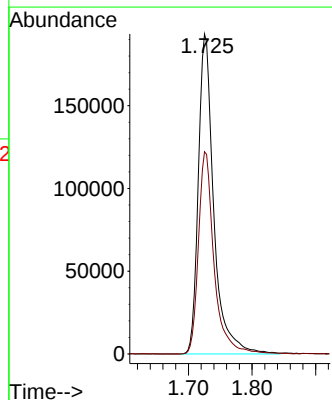
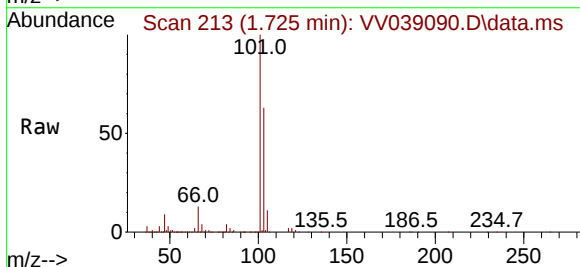
Instrument :
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ClientSampleId :
VSTD005355

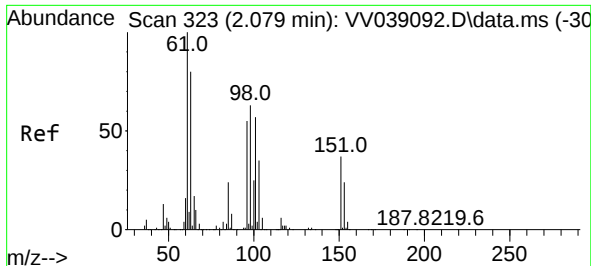
Tgt Ion: 64 Resp: 155465
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.806 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 101 Resp: 325834
Ion Ratio Lower Upper
101 100
103 64.1 50.7 76.1

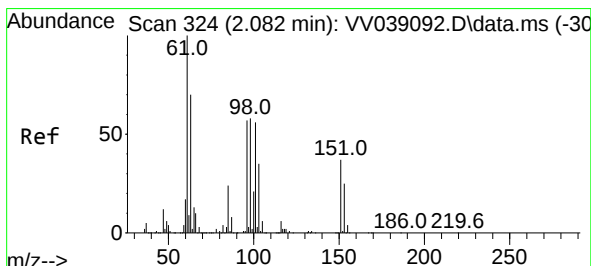
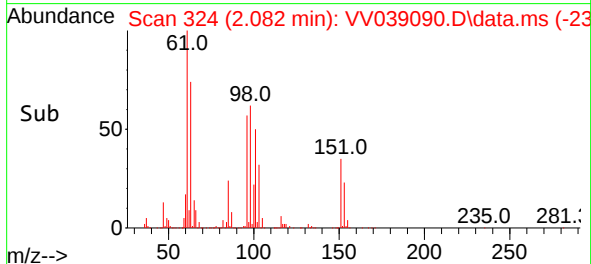
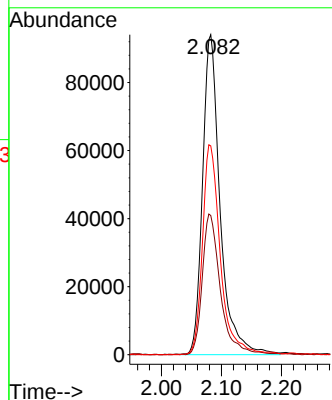
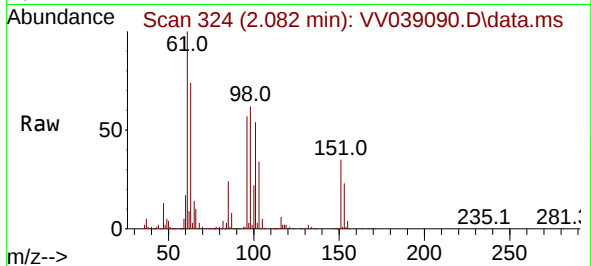




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.605 ug/L
 RT: 2.082 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

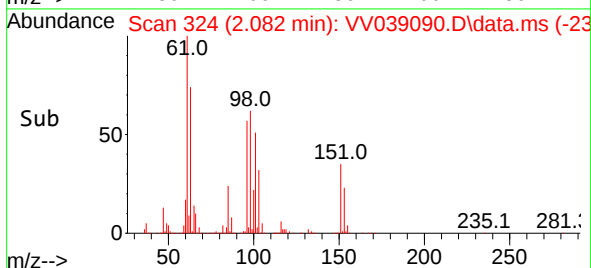
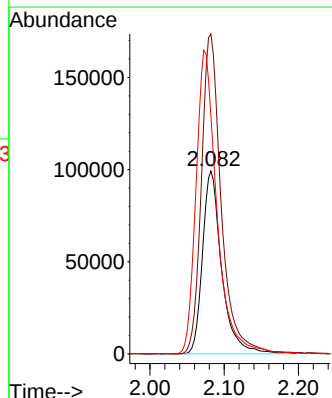
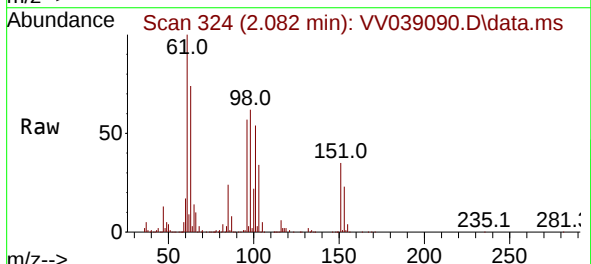
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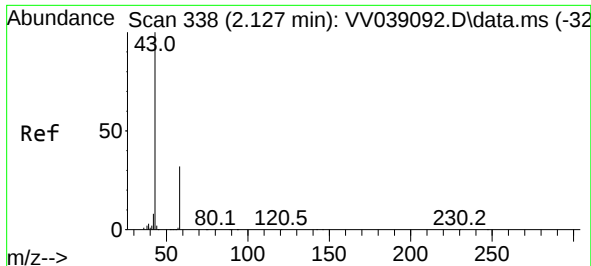
Tgt Ion:101 Resp: 192329
 Ion Ratio Lower Upper
 101 100
 85 45.4 35.4 53.0
 151 66.4 55.4 83.0



#12
 1,1-Dichloroethene
 Concen: 4.689 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

Tgt Ion: 96 Resp: 176949
 Ion Ratio Lower Upper
 96 100
 61 174.9 124.7 231.7
 63 130.2 93.5 173.7





#13

Acetone

Concen: 51.752 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.016 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

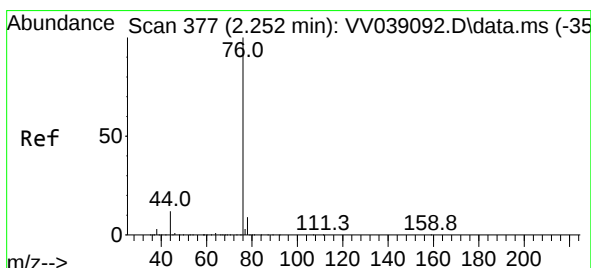
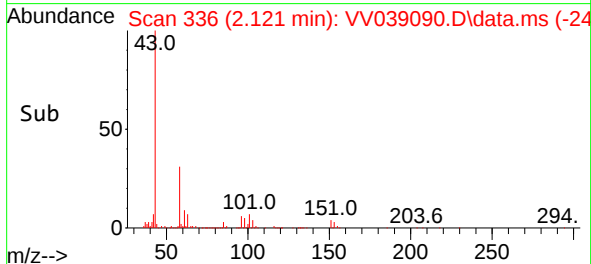
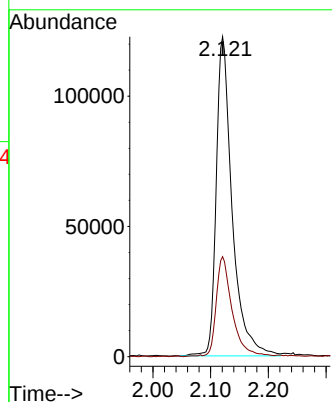
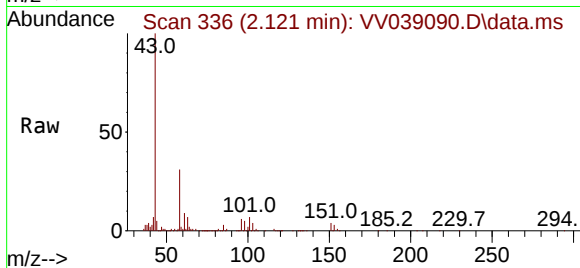
VSTD005355

Tgt Ion: 43 Resp: 234376

Ion Ratio Lower Upper

43 100

58 30.2 0.0 64.0



#14

Carbon disulfide

Concen: 4.757 ug/L

RT: 2.253 min Scan# 377

Delta R.T. 0.000 min

Lab File: VV039090.D

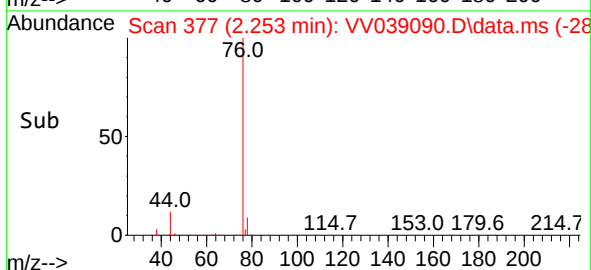
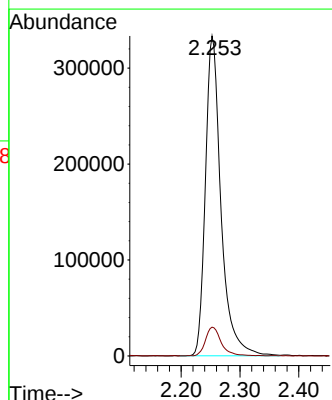
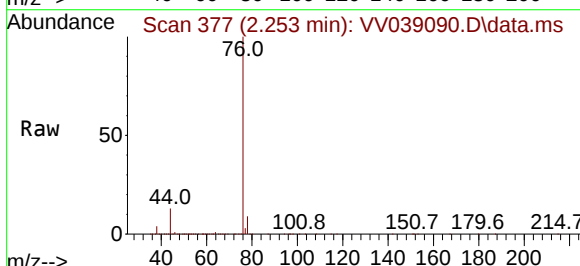
Acq: 15 Sep 2025 19:17

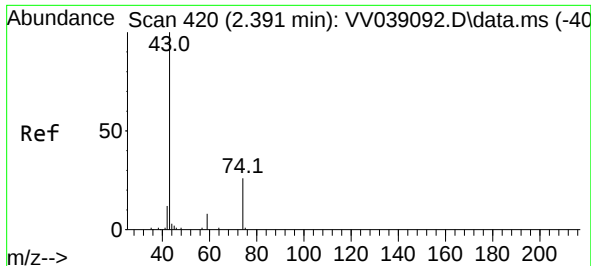
Tgt Ion: 76 Resp: 614139

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2

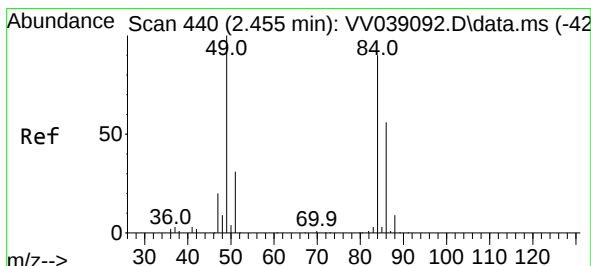
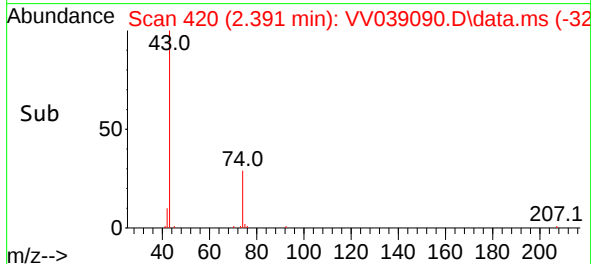
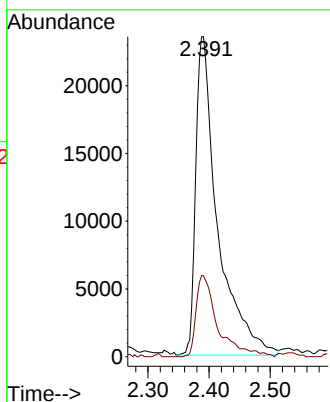
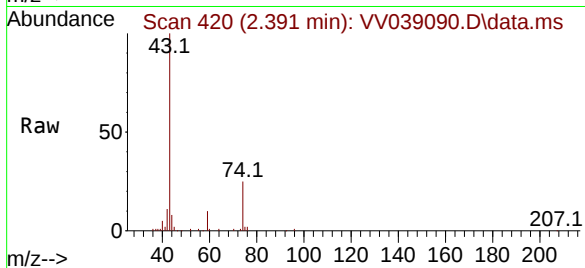




#15
Methyl Acetate
Concen: 5.155 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

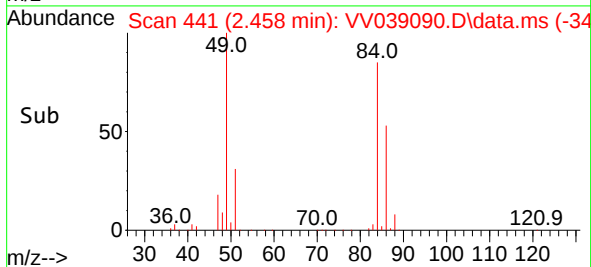
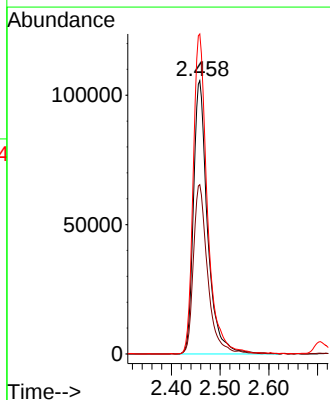
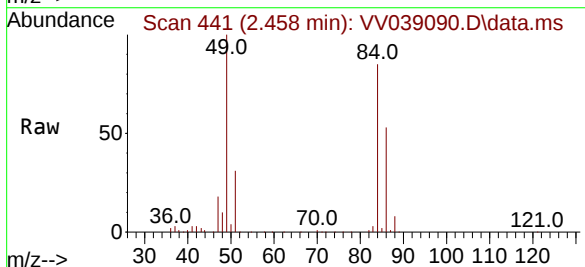
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

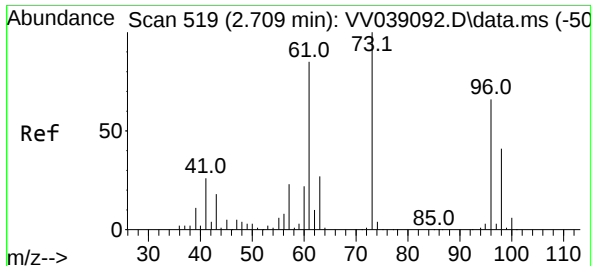
Tgt Ion: 43 Resp: 58623
Ion Ratio Lower Upper
43 100
74 24.0 18.8 28.2



#16
Methylene chloride
Concen: 4.989 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 84 Resp: 211882
Ion Ratio Lower Upper
84 100
86 61.9 44.2 82.2
49 117.1 80.6 149.6

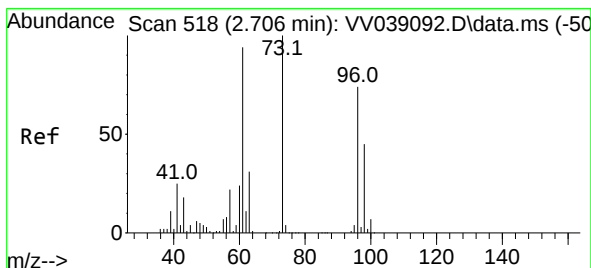
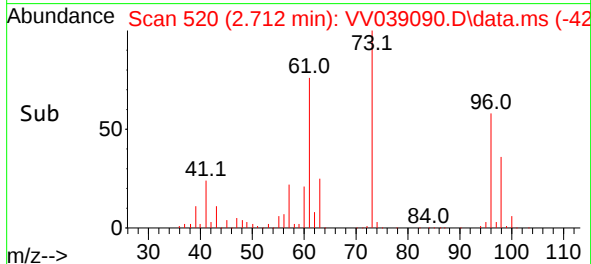
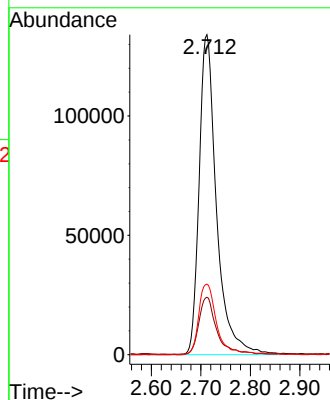
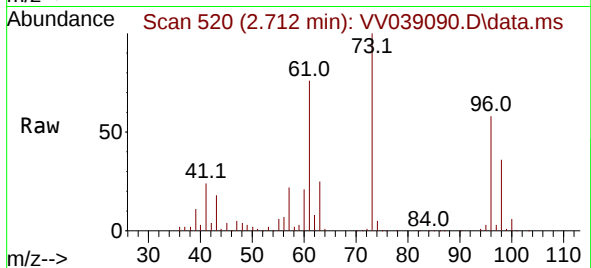




#17
Methyl tert-butyl Ether
Concen: 5.046 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

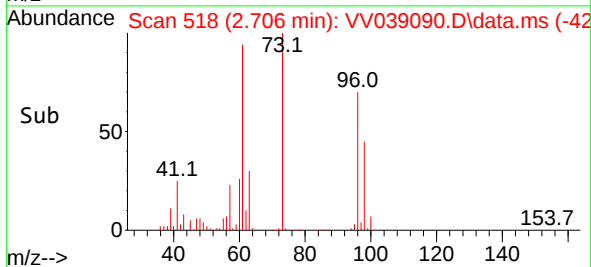
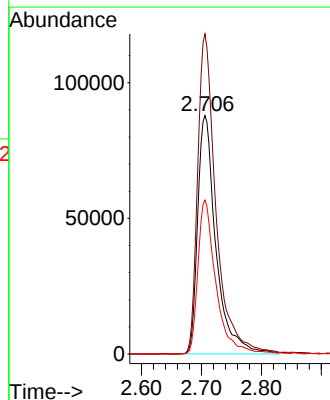
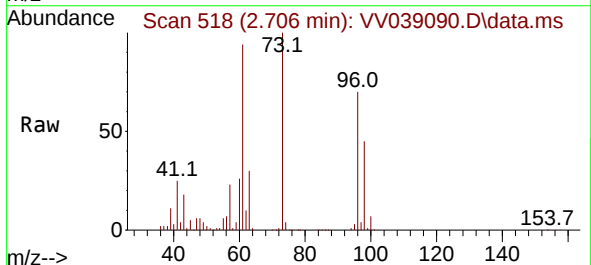
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

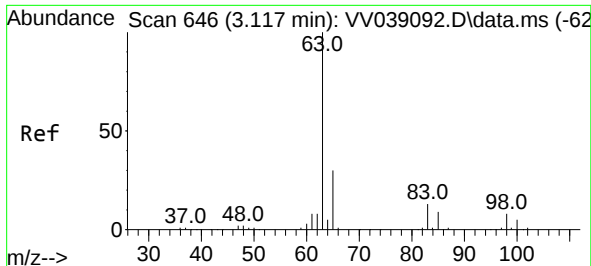
Tgt Ion: 73 Resp: 327376
Ion Ratio Lower Upper
73 100
43 18.2 14.7 22.1
57 21.6 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 4.886 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 96 Resp: 187684
Ion Ratio Lower Upper
96 100
61 134.2 89.7 166.5
98 64.6 44.9 83.3

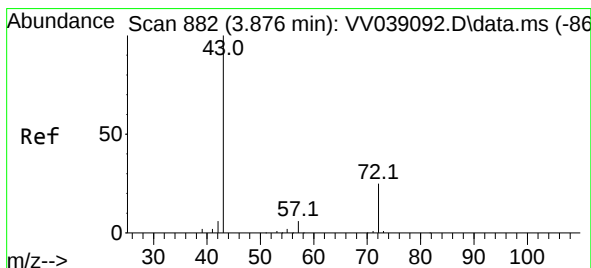
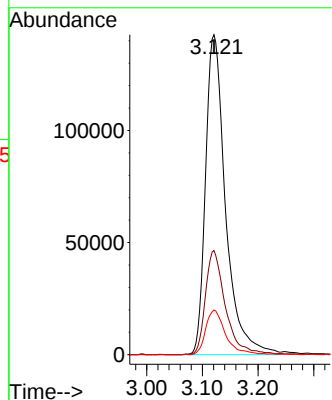
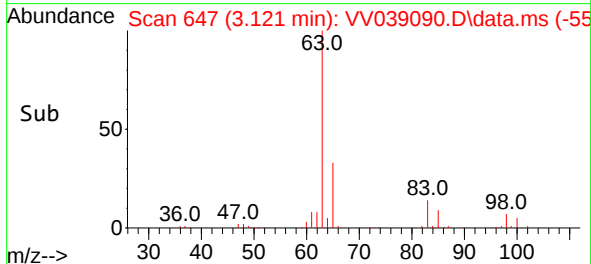
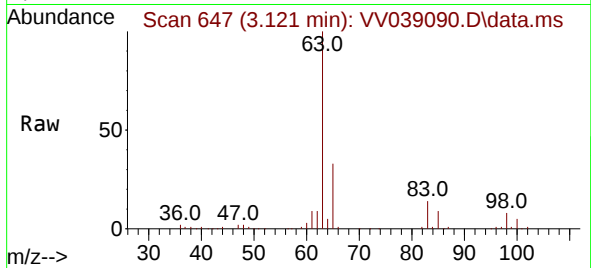




#19
1,1-Dichloroethane
Concen: 5.061 ug/L
RT: 3.121 min Scan# 64
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

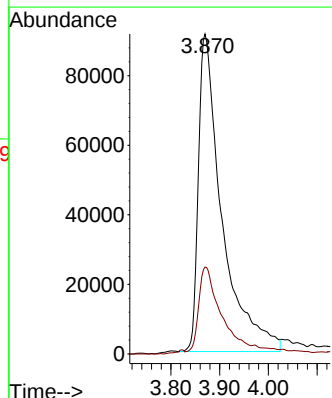
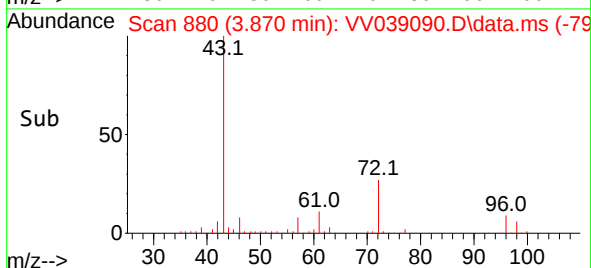
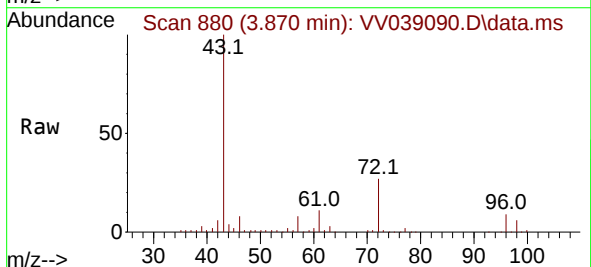
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

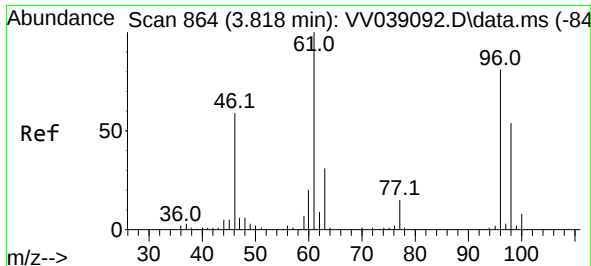
Tgt Ion: 63 Resp: 356570
Ion Ratio Lower Upper
63 100
65 32.6 21.5 39.9
83 14.0 9.2 17.2



#21
2-Butanone
Concen: 50.961 ug/L
RT: 3.870 min Scan# 880
Delta R.T. -0.019 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 43 Resp: 306135
Ion Ratio Lower Upper
43 100
72 24.5 12.0 36.0





#22

cis-1,2-Dichloroethene

Concen: 5.134 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

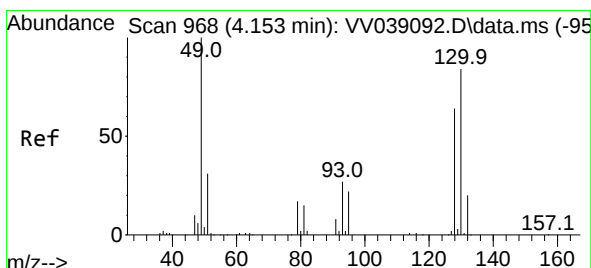
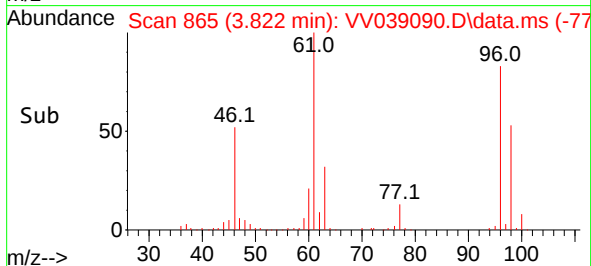
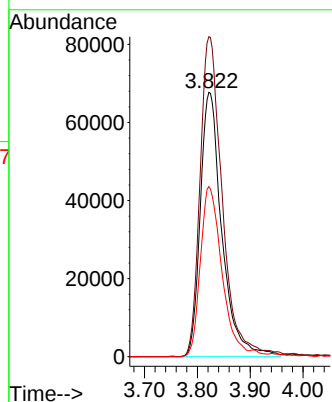
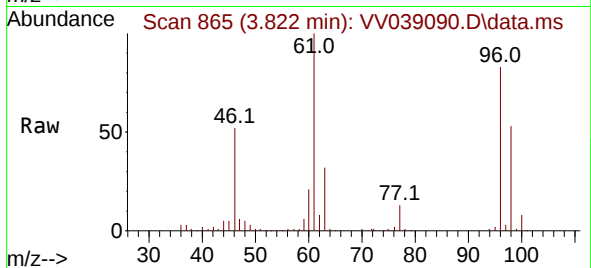
Tgt Ion: 96 Resp: 192480

Ion Ratio Lower Upper

96 100

61 121.1 85.4 158.6

98 64.4 46.6 86.6



#23

Bromochloromethane

Concen: 4.975 ug/L

RT: 4.153 min Scan# 968

Delta R.T. -0.003 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Tgt Ion: 128 Resp: 85305

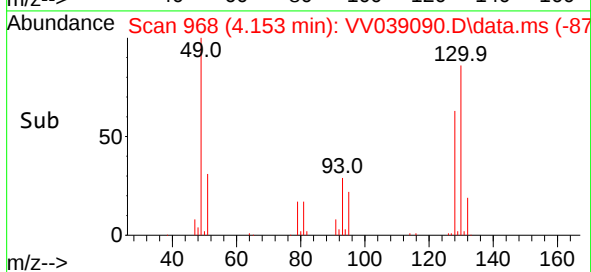
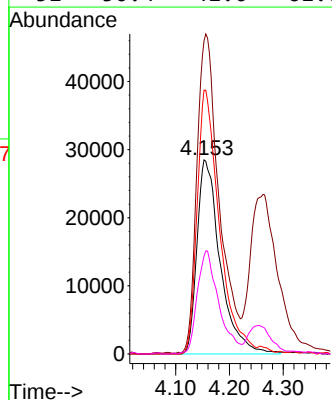
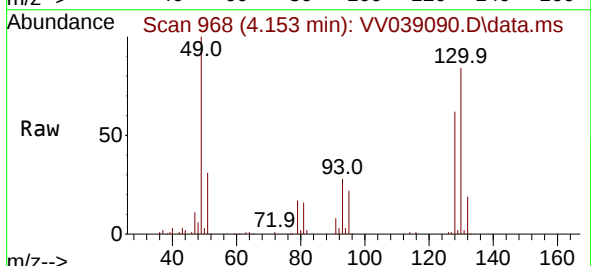
Ion Ratio Lower Upper

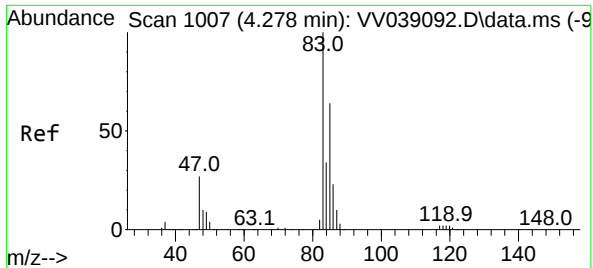
128 100

49 161.4 115.3 214.1

130 135.9 93.2 173.0

51 50.4 41.0 61.6

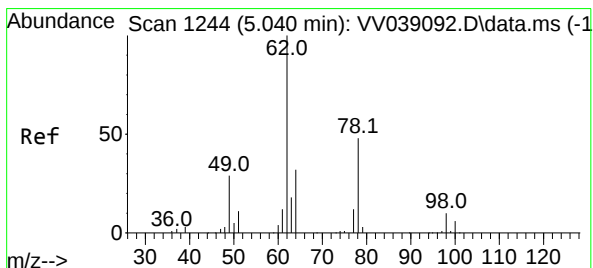
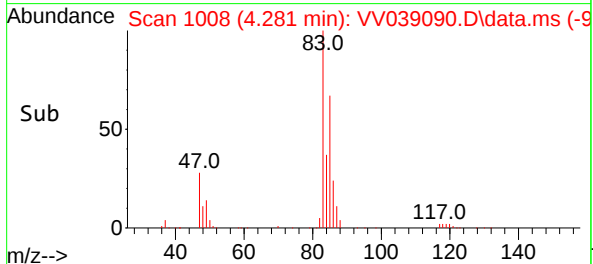
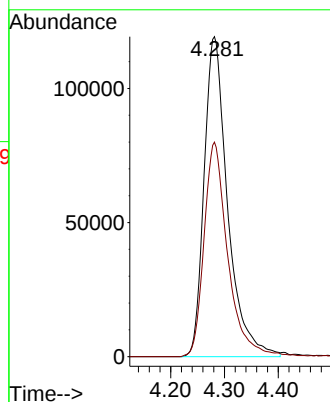
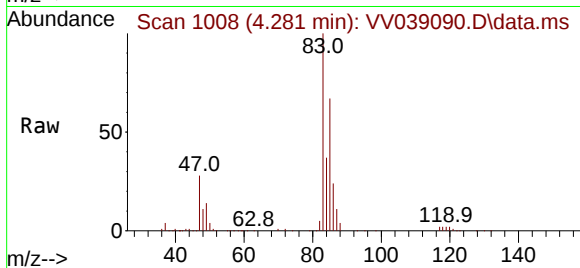




#25
Chloroform
Concen: 4.965 ug/L
RT: 4.281 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

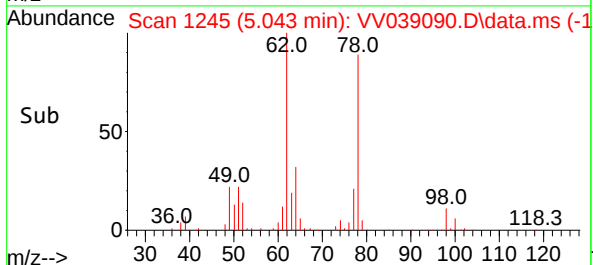
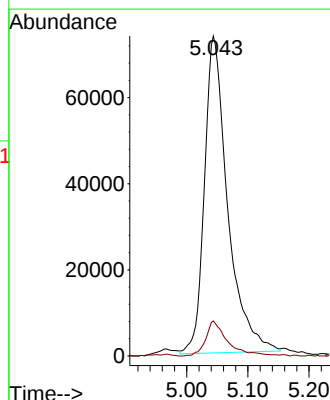
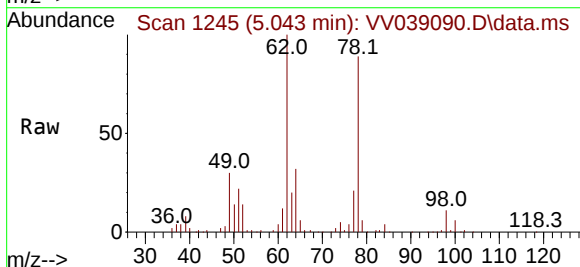
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

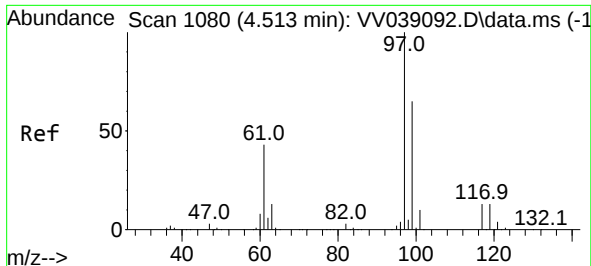
Tgt Ion: 83 Resp: 362423
Ion Ratio Lower Upper
83 100
85 67.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 62 Resp: 194470
Ion Ratio Lower Upper
62 100
98 11.0 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 5.208 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

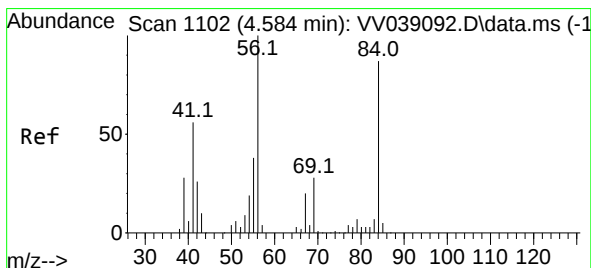
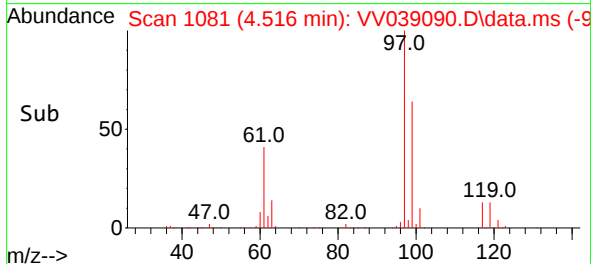
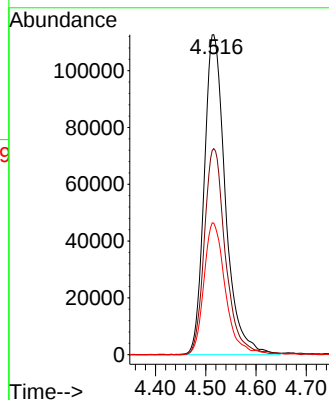
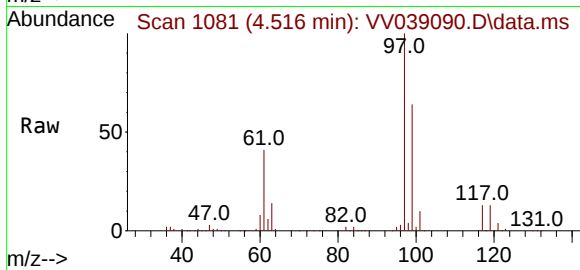
Tgt Ion: 97 Resp: 329707

Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 40.7 32.9 49.3



#30

Cyclohexane

Concen: 5.147 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

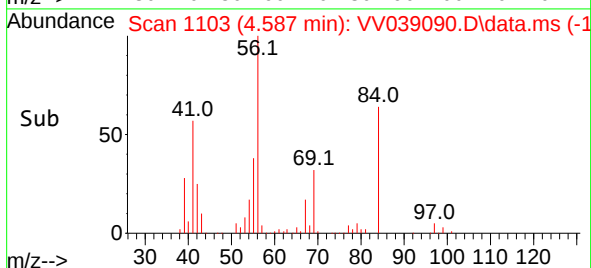
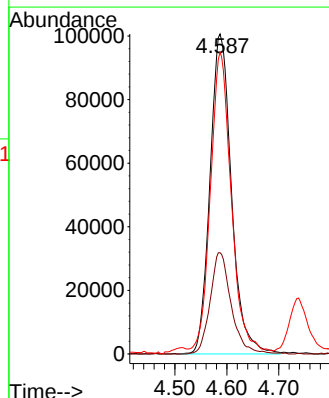
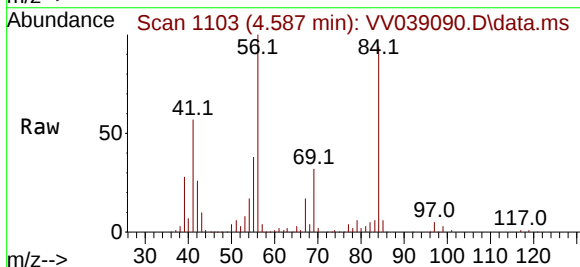
Tgt Ion: 56 Resp: 288935

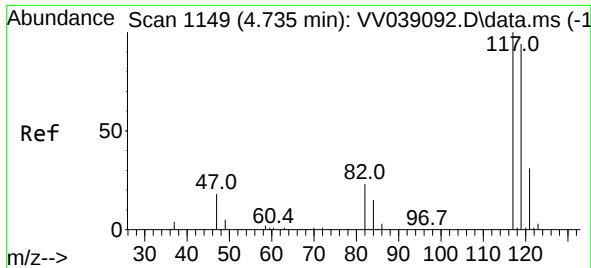
Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.6

84 89.2 71.3 106.9

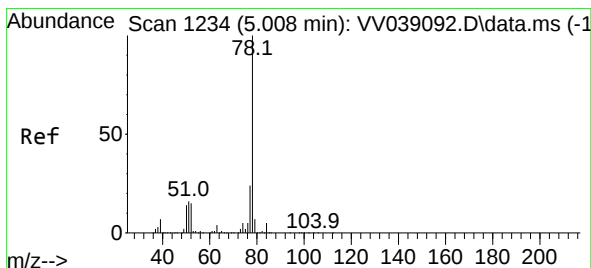
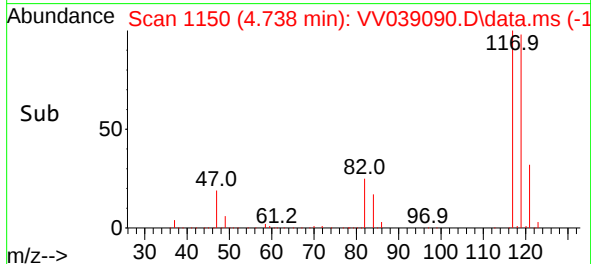
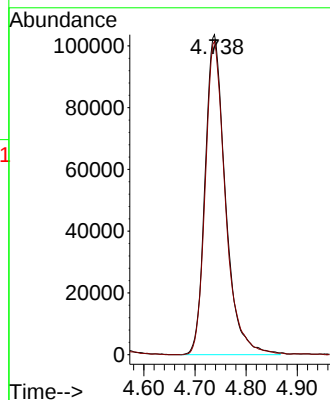
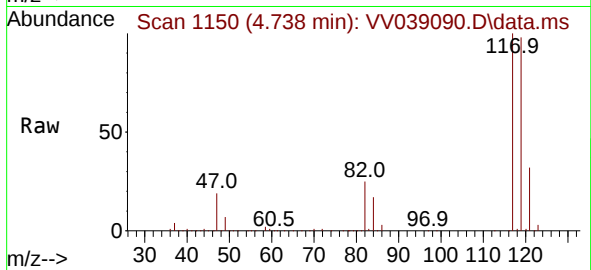




#31
Carbon tetrachloride
Concen: 5.005 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

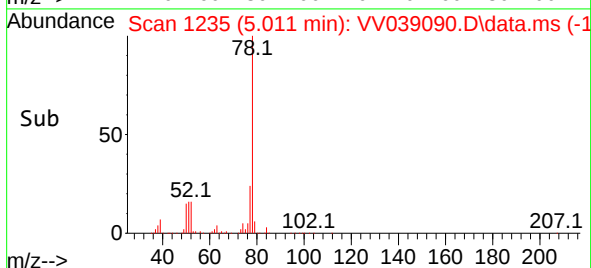
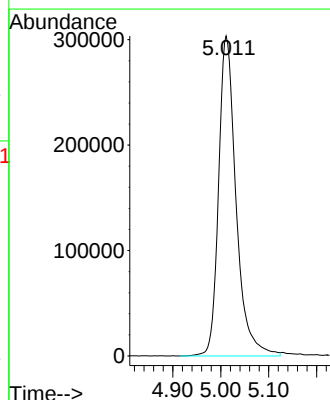
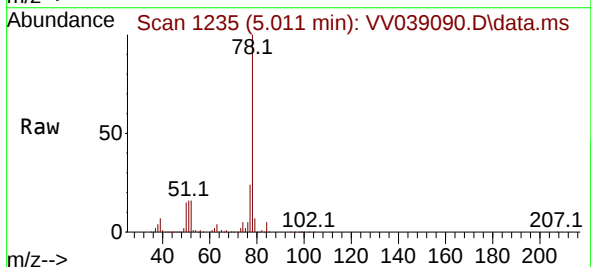
Instrument : MSVOA_V
ClientSampleId : VSTD005355

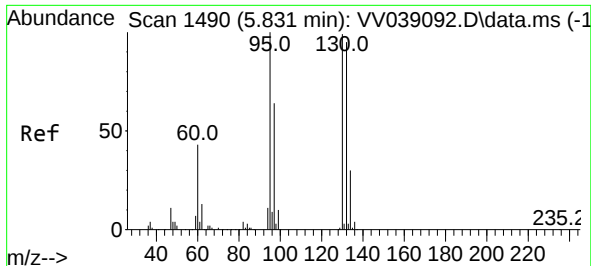
Tgt Ion:117 Resp: 287145
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.2



#33
Benzene
Concen: 5.308 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 78 Resp: 768065

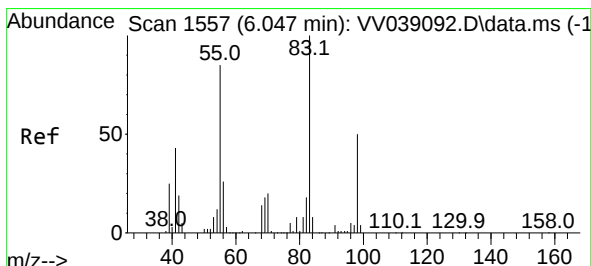
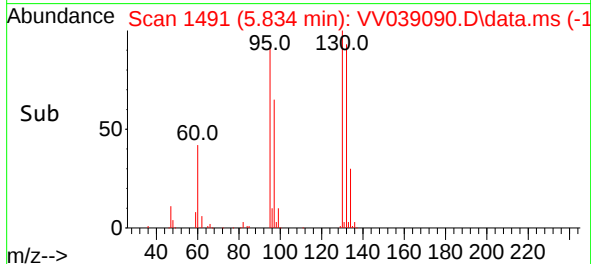
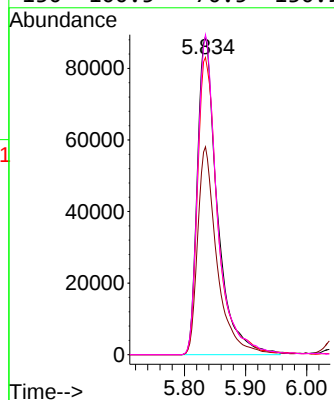
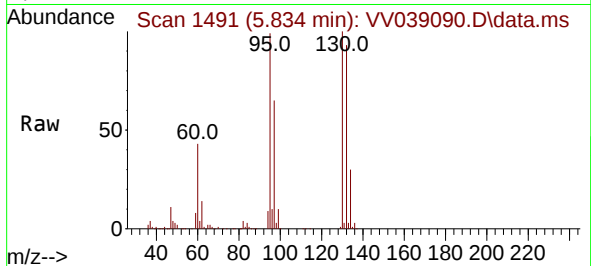




#34
Trichloroethene
Concen: 5.177 ug/L
RT: 5.834 min Scan# 1490
Delta R.T. 0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

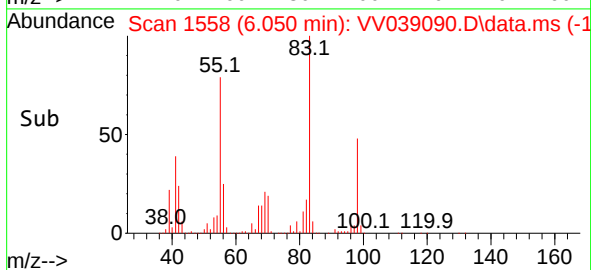
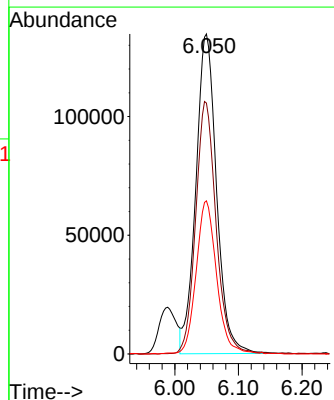
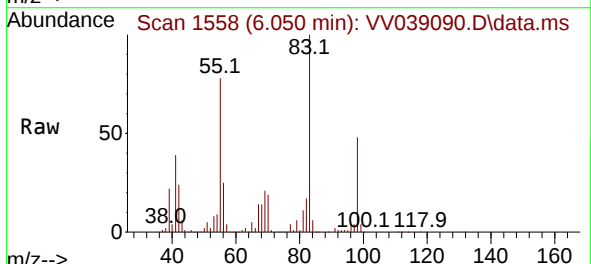
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

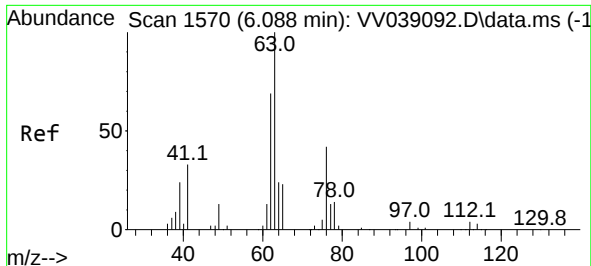
Tgt Ion: 95 Resp: 201937
Ion Ratio Lower Upper
95 100
97 65.3 43.3 80.5
132 93.4 65.5 121.7
130 100.5 70.5 130.9



#35
Methylcyclohexane
Concen: 4.999 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 83 Resp: 305092
Ion Ratio Lower Upper
83 100
55 78.3 61.4 92.2
98 47.4 38.2 57.4





#37

1,2-Dichloropropane

Concen: 5.325 ug/L

RT: 6.092 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

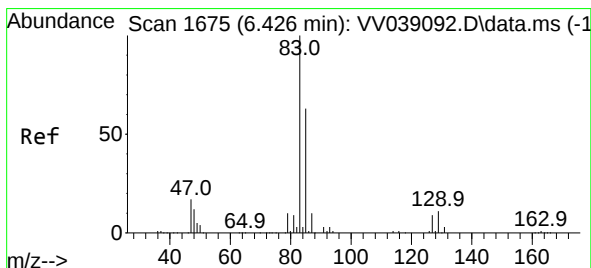
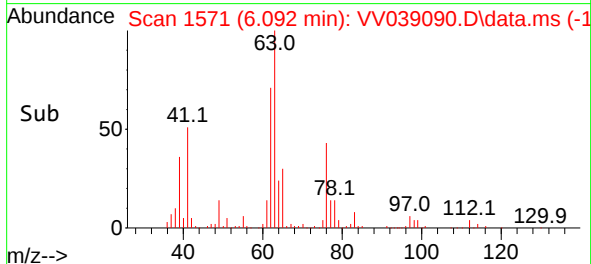
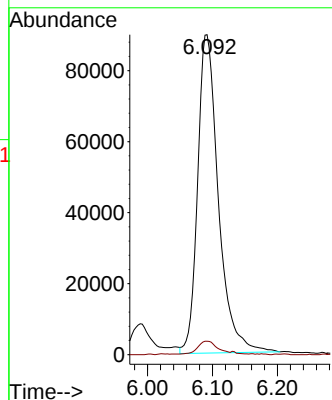
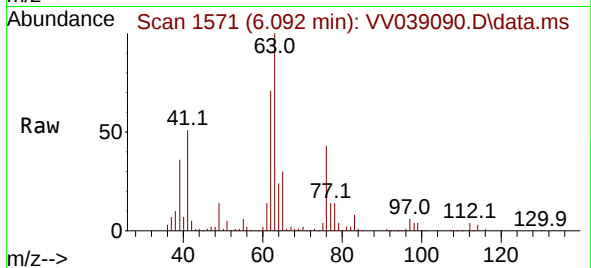
VSTD005355

Tgt Ion: 63 Resp: 199842

Ion Ratio Lower Upper

63 100

112 3.8 3.6 5.4



#38

Bromodichloromethane

Concen: 5.090 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

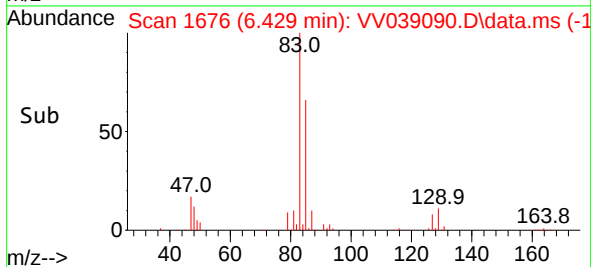
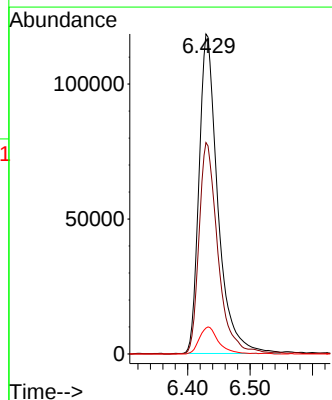
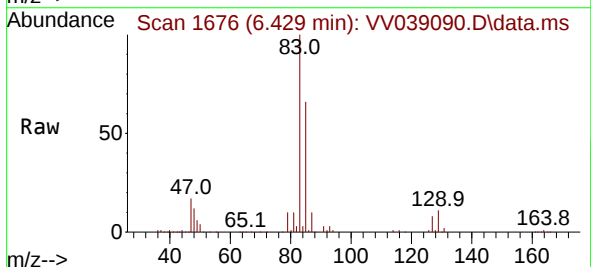
Tgt Ion: 83 Resp: 248336

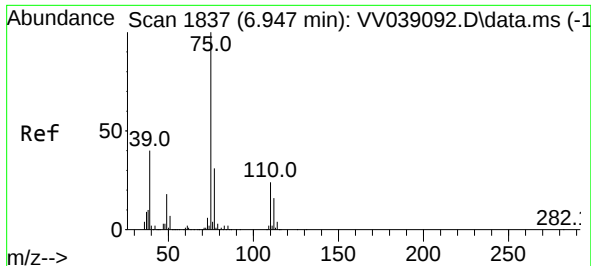
Ion Ratio Lower Upper

83 100

85 66.1 45.8 85.2

127 8.1 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.086 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

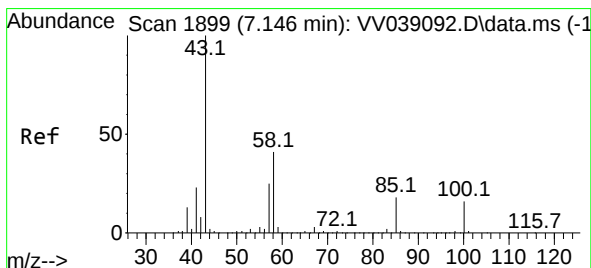
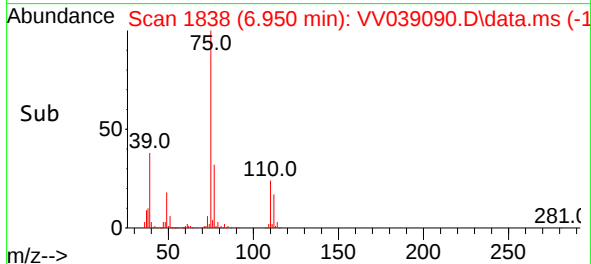
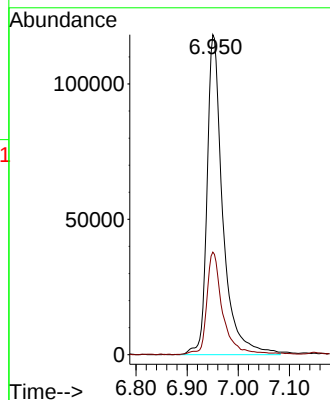
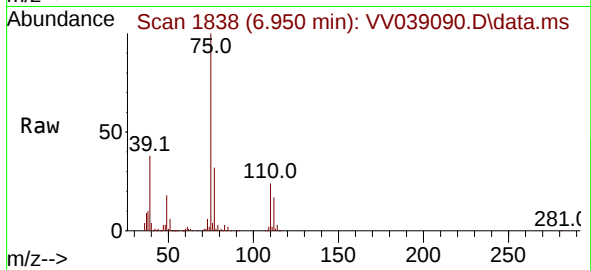
VSTD005355

Tgt Ion: 75 Resp: 253206

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 56.194 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

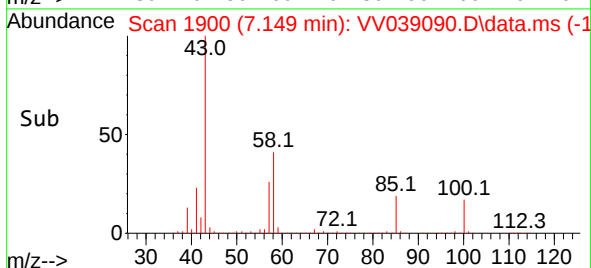
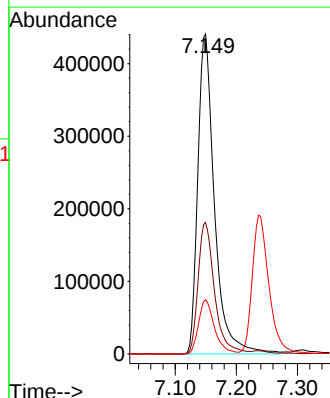
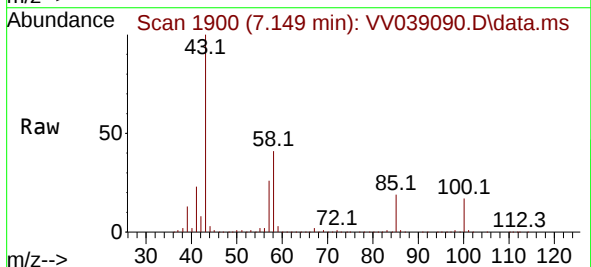
Tgt Ion: 43 Resp: 835564

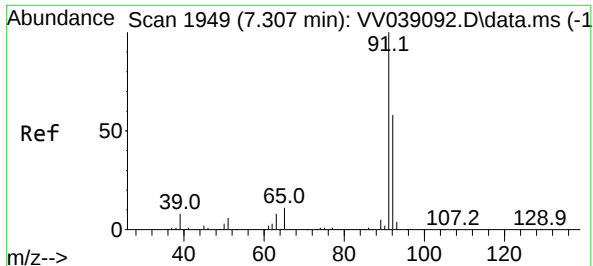
Ion Ratio Lower Upper

43 100

58 40.4 31.7 47.5

100 16.2 13.0 19.4

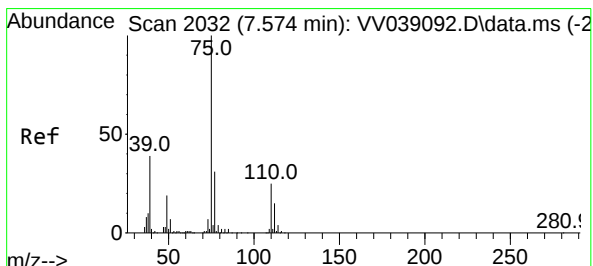
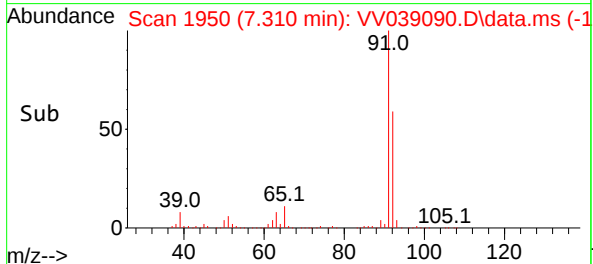
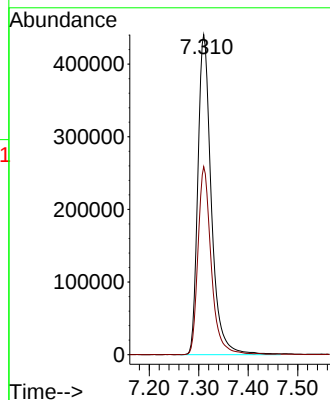
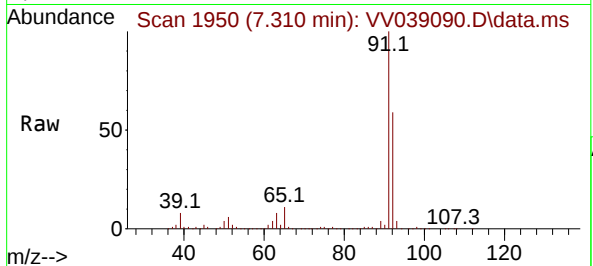




#42
Toluene
Concen: 5.546 ug/L
RT: 7.310 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

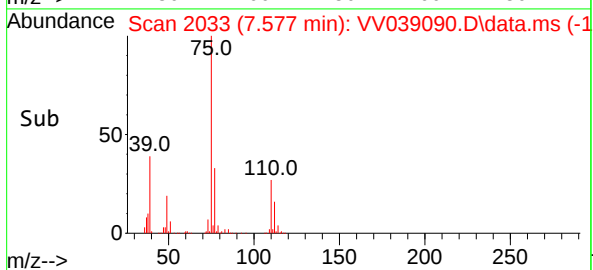
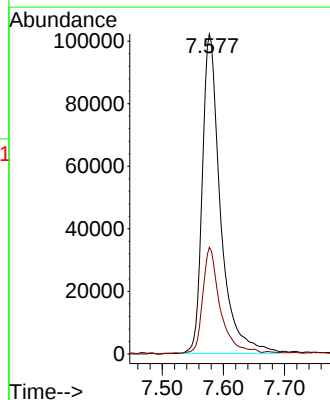
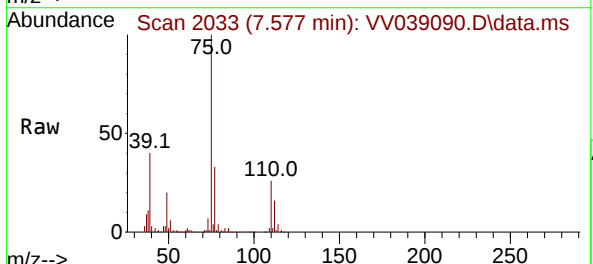
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

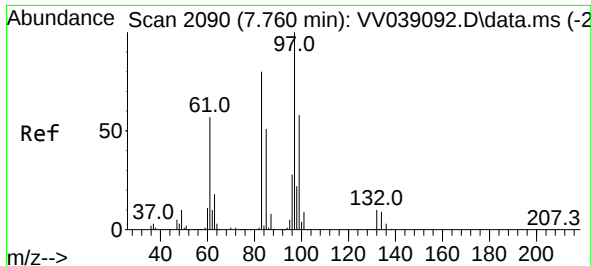
Tgt Ion: 91 Resp: 836484
Ion Ratio Lower Upper
91 100
92 58.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 5.205 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 75 Resp: 210590
Ion Ratio Lower Upper
75 100
77 33.3 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.177 ug/L

RT: 7.764 min Scan# 2090

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion: 97 Resp: 133413

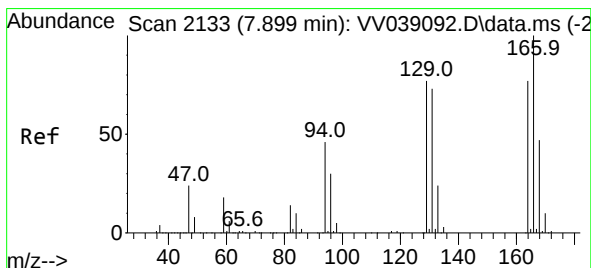
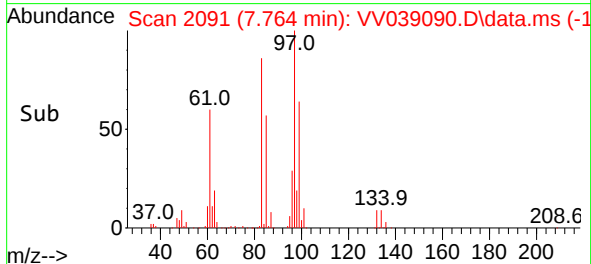
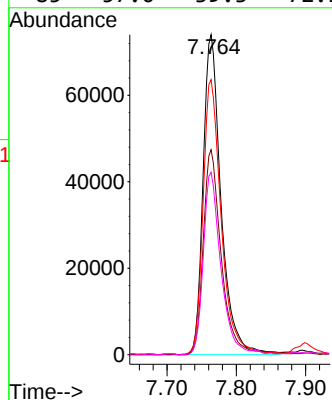
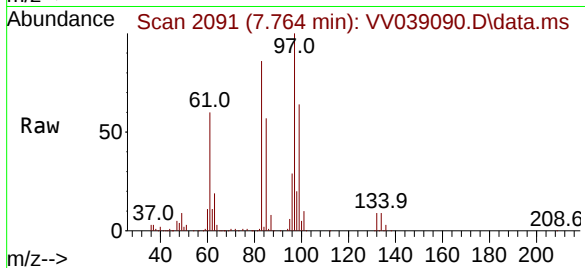
Ion Ratio Lower Upper

97 100

99 64.1 43.3 80.3

83 85.9 61.7 114.7

85 57.0 39.3 72.9



#47

Tetrachloroethene

Concen: 4.968 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Tgt Ion: 164 Resp: 151491

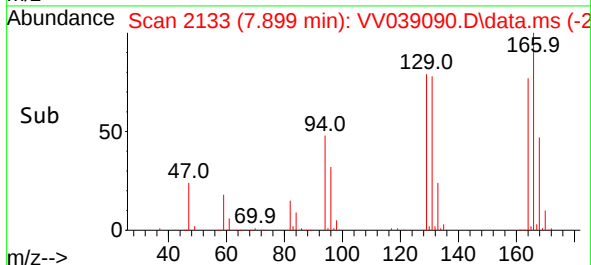
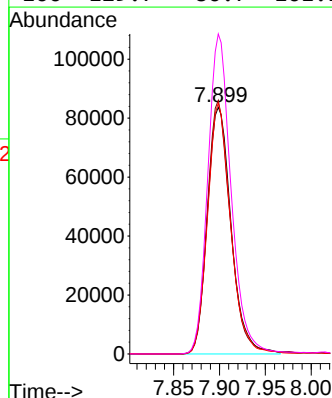
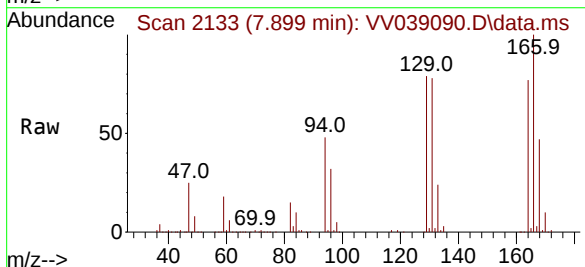
Ion Ratio Lower Upper

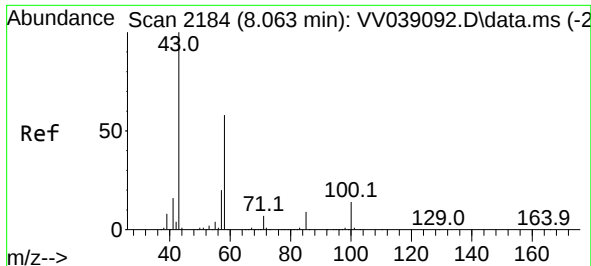
164 100

129 102.8 68.0 126.4

131 101.8 65.4 121.4

166 129.7 86.7 161.1



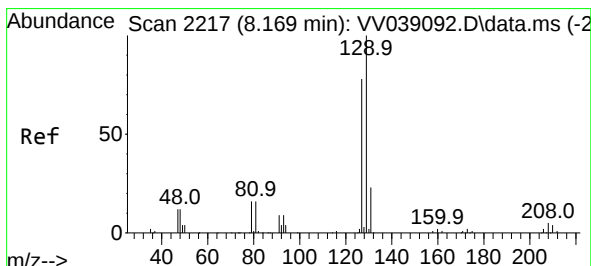
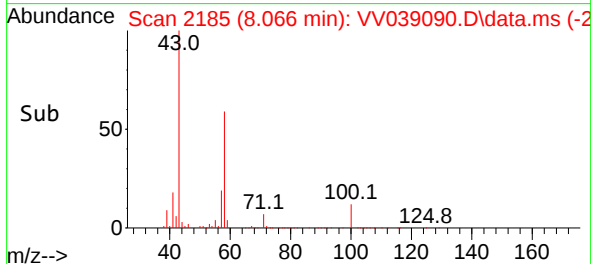
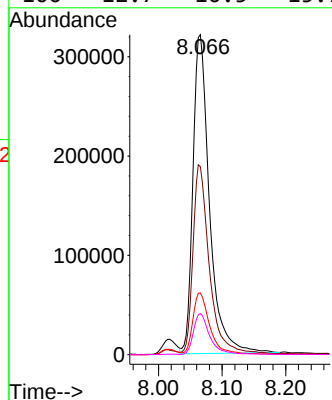
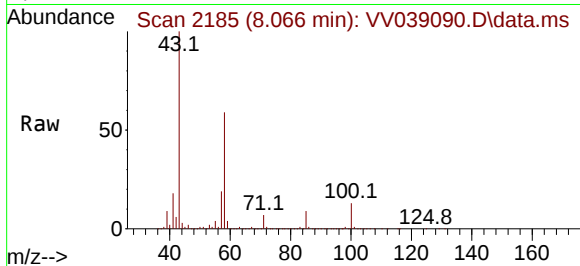


#48
2-Hexanone
Concen: 56.213 ug/L
RT: 8.066 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

Tgt Ion: 43 Resp: 581051

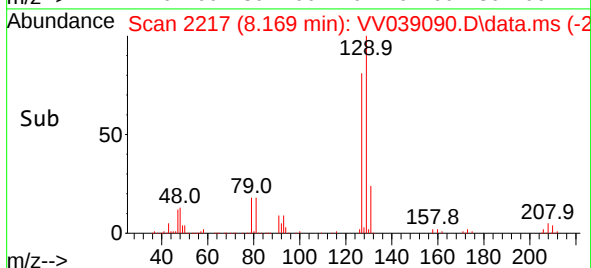
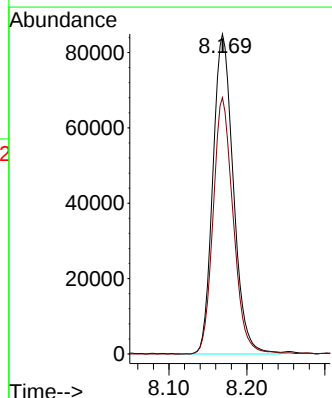
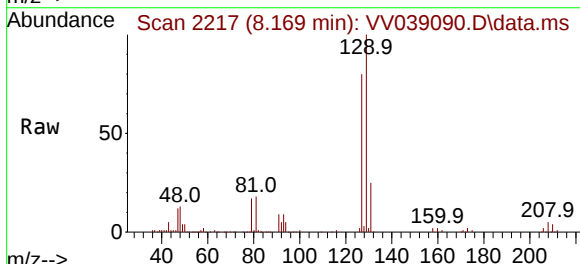
Ion	Ratio	Lower	Upper
43	100		
58	58.5	45.6	68.4
57	19.1	15.6	23.4
100	12.7	10.5	15.7

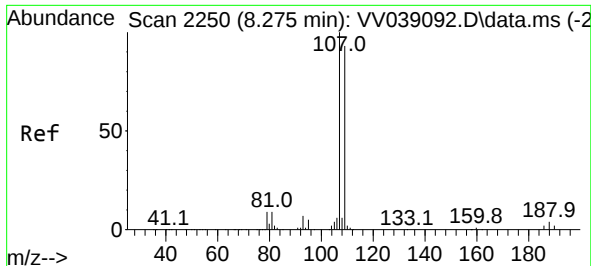


#49
Dibromochloromethane
Concen: 5.147 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 129 Resp: 155257

Ion	Ratio	Lower	Upper
129	100		
127	80.1	56.7	105.3





#50

1,2-Dibromoethane

Concen: 5.256 ug/L

RT: 8.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

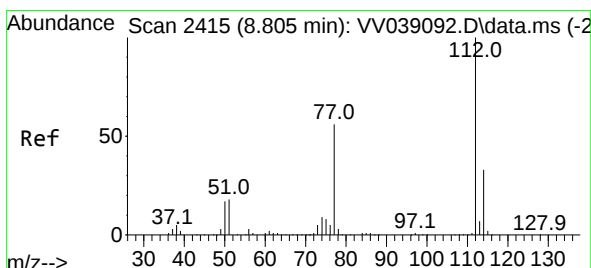
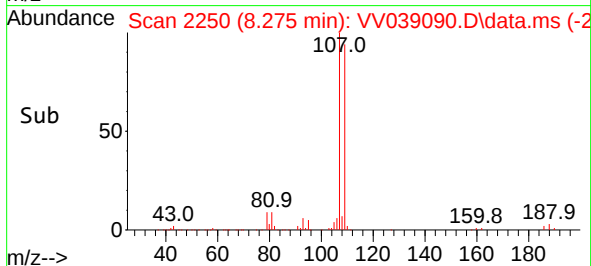
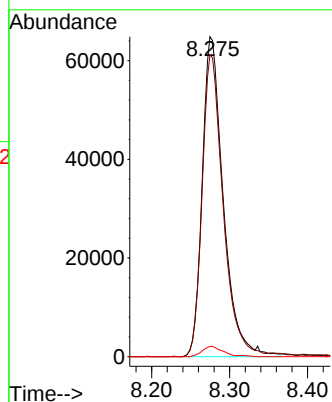
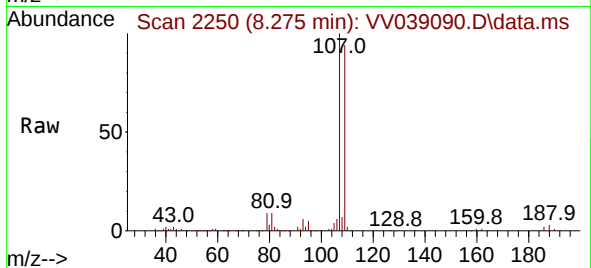
Tgt Ion:107 Resp: 121531

Ion Ratio Lower Upper

107 100

109 94.4 67.1 124.7

188 3.2 2.5 3.7



#51

Chlorobenzene

Concen: 5.215 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

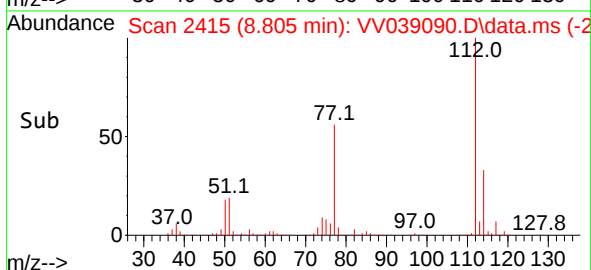
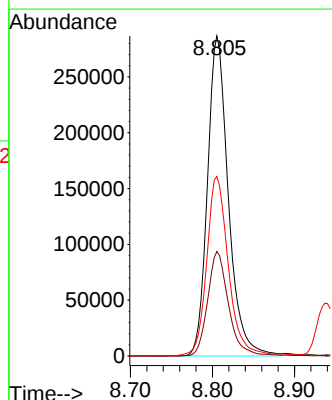
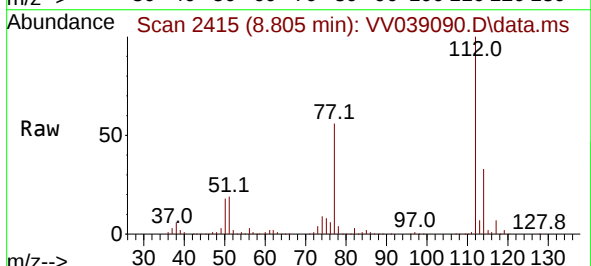
Tgt Ion:112 Resp: 507604

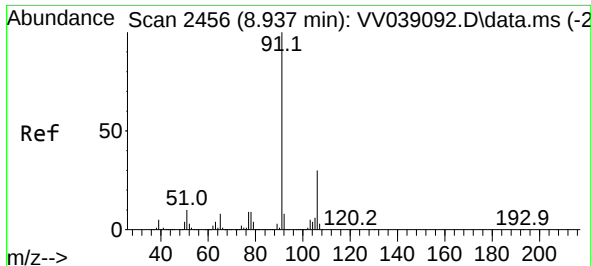
Ion Ratio Lower Upper

112 100

114 32.6 23.0 42.6

77 56.1 46.6 69.8





#52

Ethylbenzene

Concen: 5.366 ug/L

RT: 8.937 min Scan# 2456

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

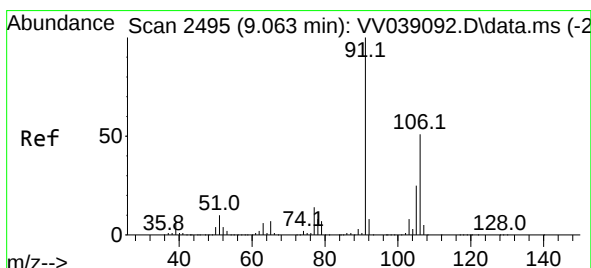
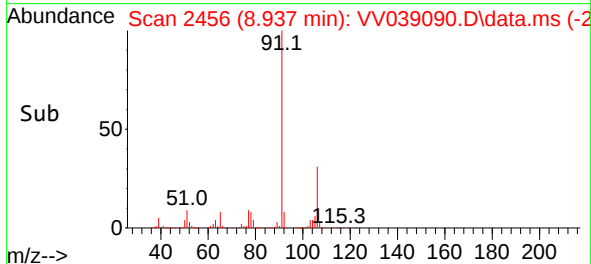
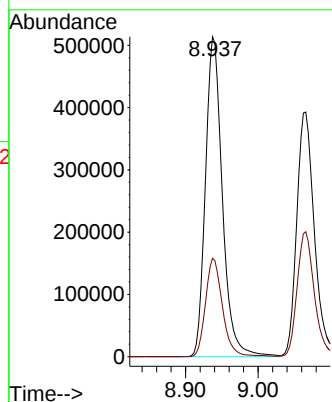
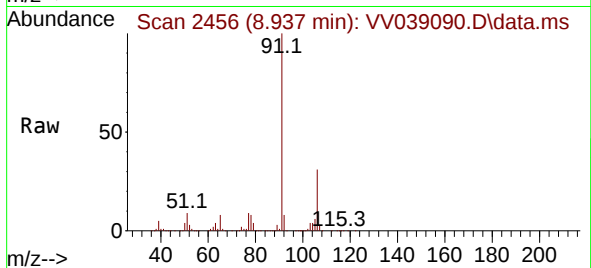
VSTD005355

Tgt Ion: 91 Resp: 833679

Ion Ratio Lower Upper

91 100

106 30.7 20.8 38.6



#53

m,p-Xylene

Concen: 5.560 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV039090.D

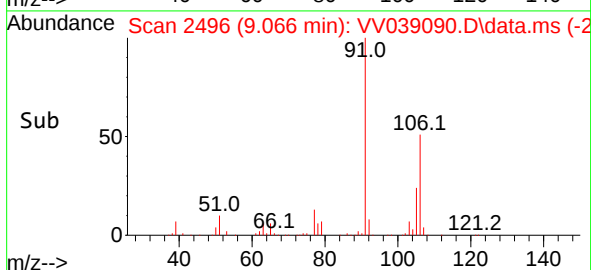
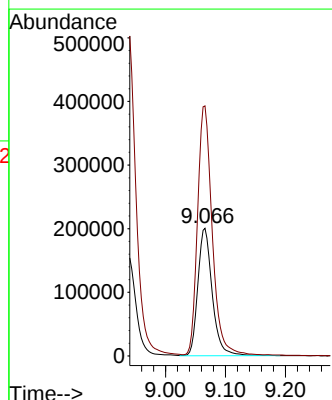
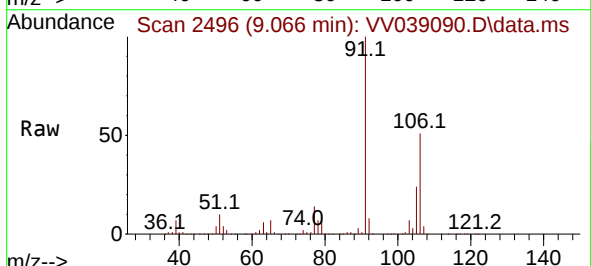
Acq: 15 Sep 2025 19:17

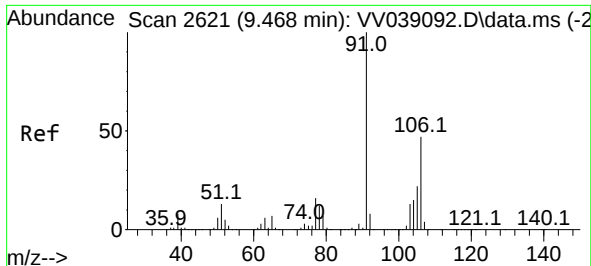
Tgt Ion: 106 Resp: 336012

Ion Ratio Lower Upper

106 100

91 195.8 140.1 260.3

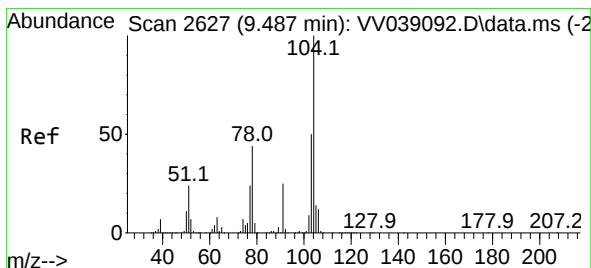
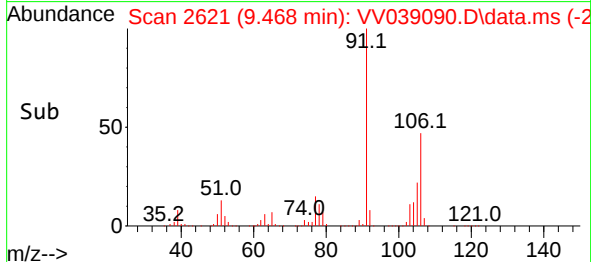
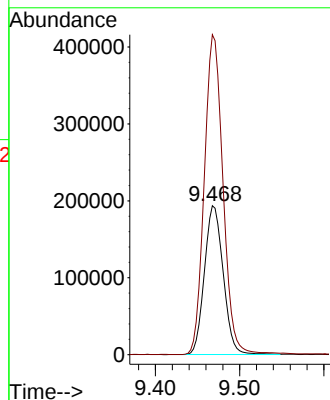
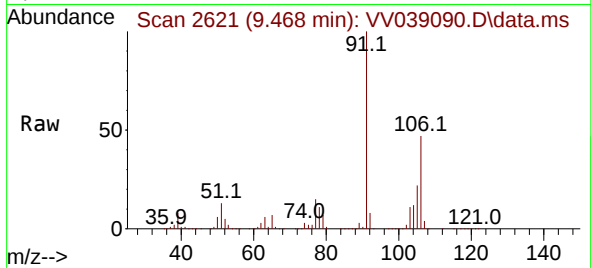




#54
o-Xylene
Concen: 5.433 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

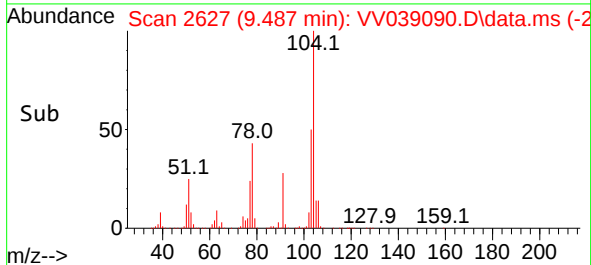
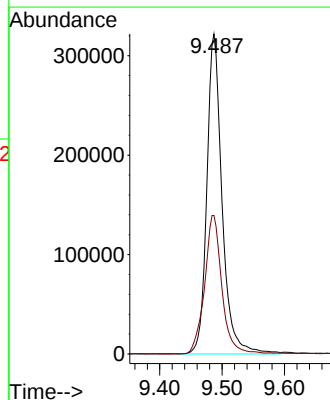
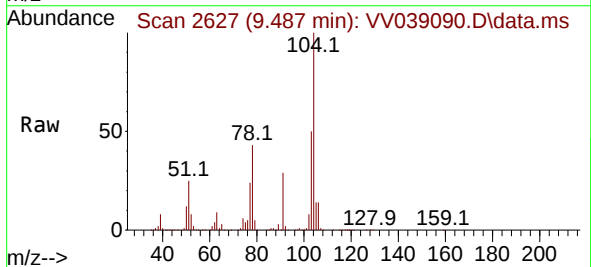
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

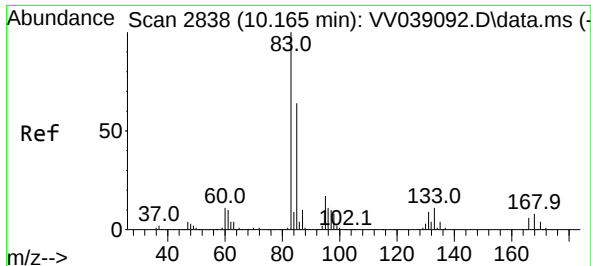
Tgt Ion:106 Resp: 301258
Ion Ratio Lower Upper
106 100
91 214.9 150.7 279.9



#55
Styrene
Concen: 5.593 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion:104 Resp: 547878
Ion Ratio Lower Upper
104 100
78 43.3 29.9 55.5

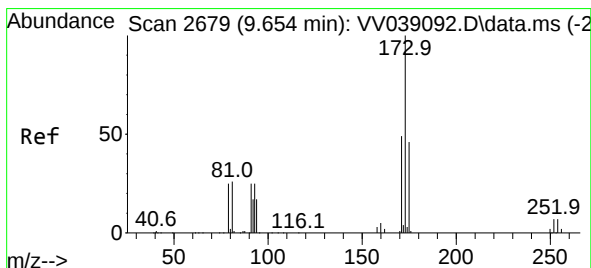
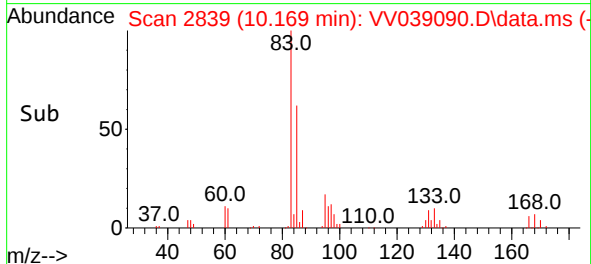
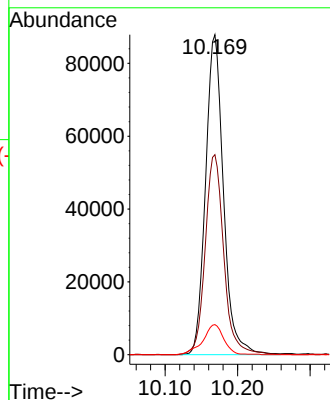
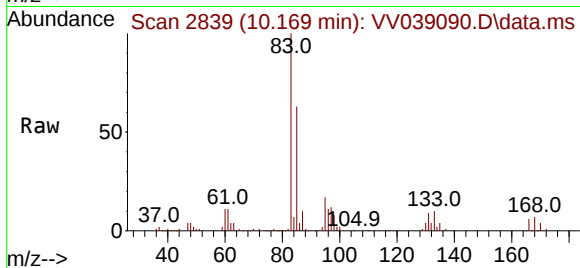




#57
1,1,2,2-Tetrachloroethane
Concen: 5.254 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

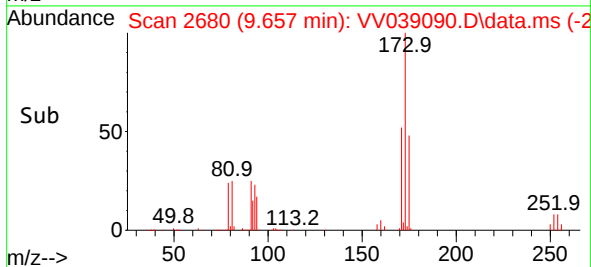
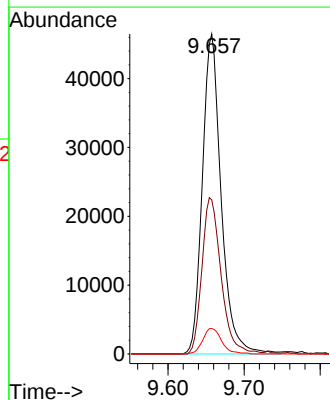
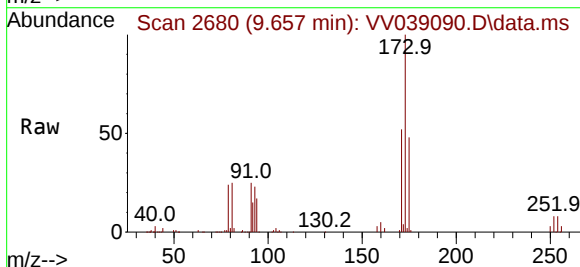
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

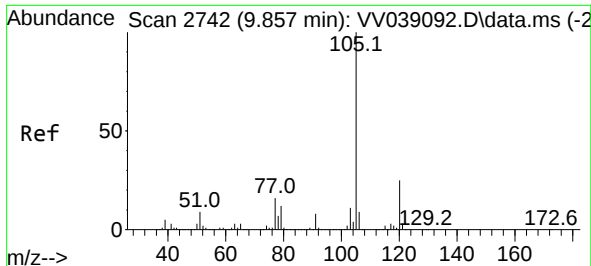
Tgt Ion: 83 Resp: 150917
Ion Ratio Lower Upper
83 100
85 62.5 45.4 84.4
131 9.4 7.2 10.8



#59
Bromoform
Concen: 4.922 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 173 Resp: 79862
Ion Ratio Lower Upper
173 100
175 49.7 38.8 58.2
254 8.0 6.8 10.2

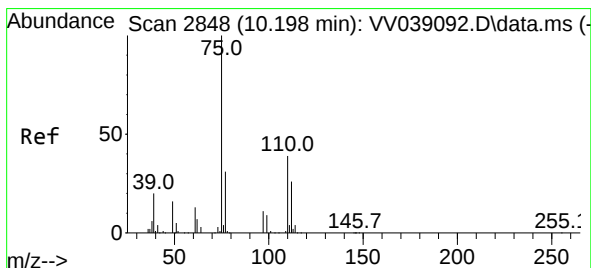
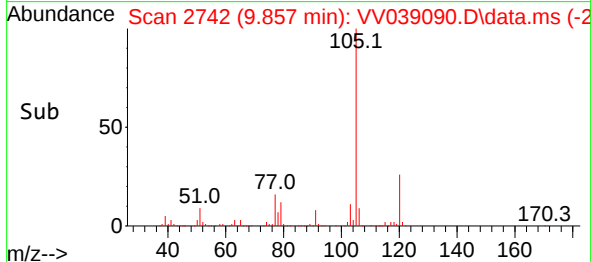
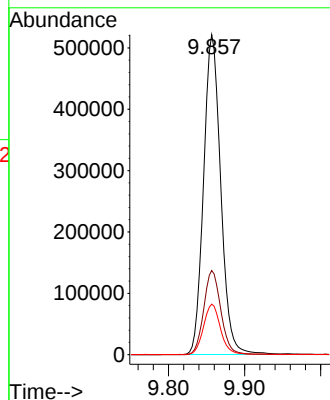
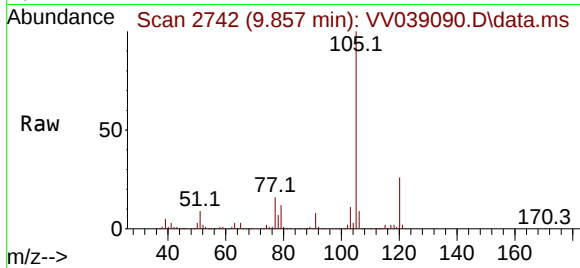




#60
Isopropylbenzene
Concen: 5.346 ug/L
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

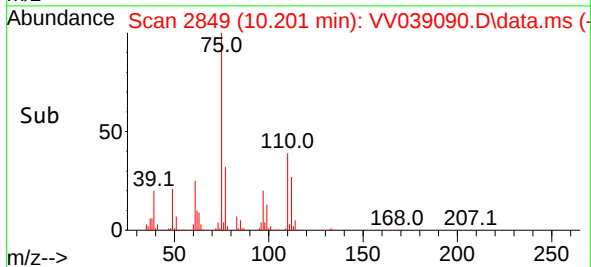
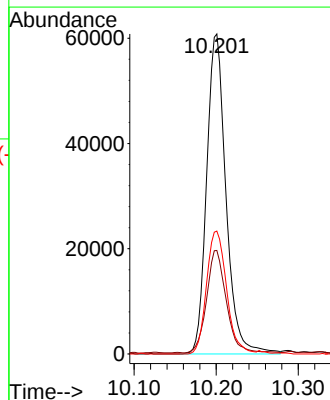
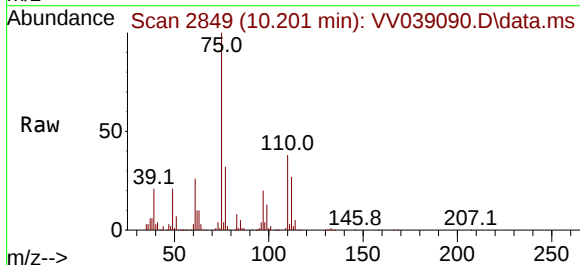
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

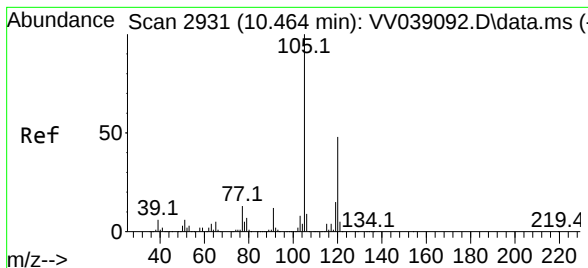
Tgt Ion:105 Resp: 817738
Ion Ratio Lower Upper
105 100
120 26.4 20.8 31.2
77 15.6 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.176 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion: 75 Resp: 99721
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
110 39.8 31.0 46.4

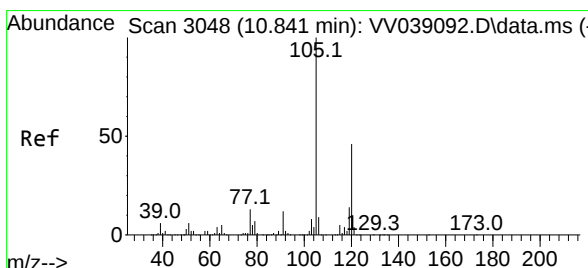
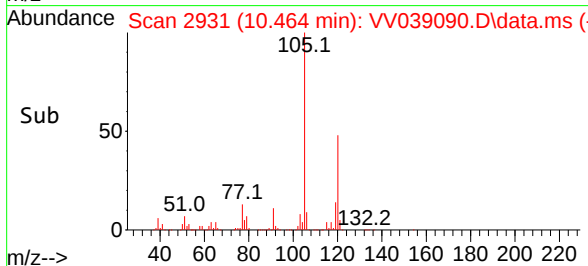
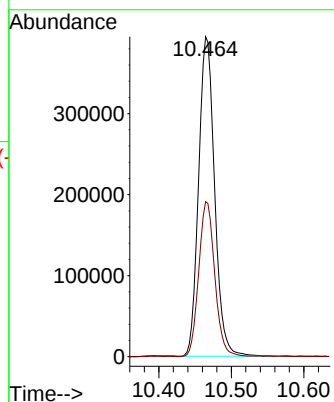
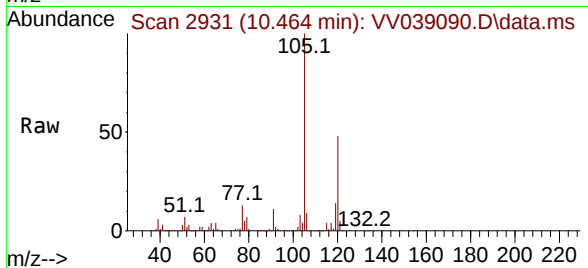




#62
 1,3,5-Trimethylbenzene
 Concen: 5.150 ug/L
 RT: 10.464 min Scan# 2931
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

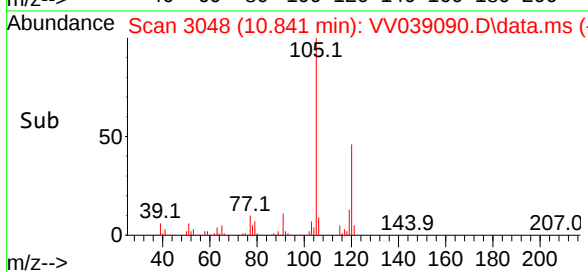
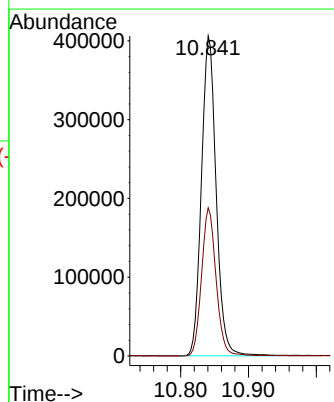
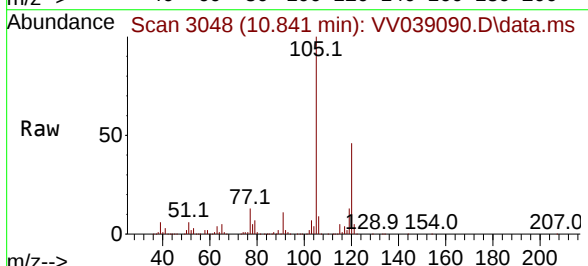
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

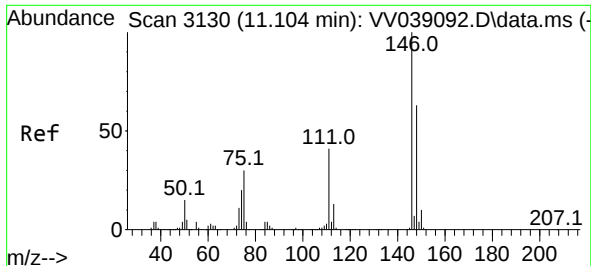
Tgt Ion:105 Resp: 604810
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 5.297 ug/L
 RT: 10.841 min Scan# 3048
 Delta R.T. 0.000 min
 Lab File: VV039090.D
 Acq: 15 Sep 2025 19:17

Tgt Ion:105 Resp: 611071
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 54.8

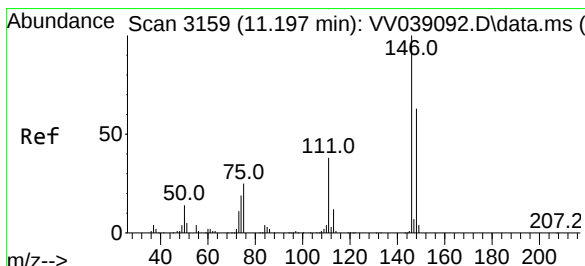
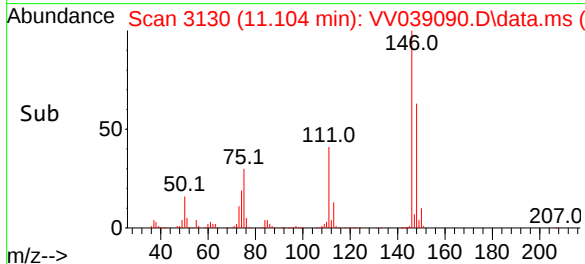
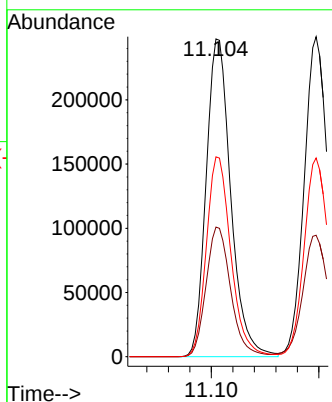
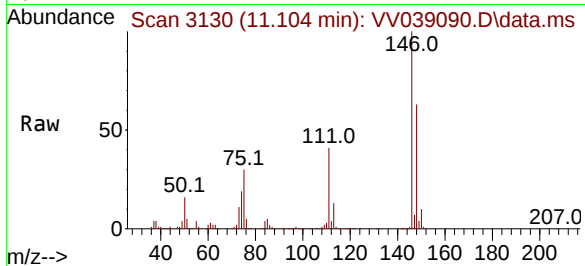




#64
1,3-Dichlorobenzene
Concen: 5.267 ug/L
RT: 11.104 min Scan# 3130
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

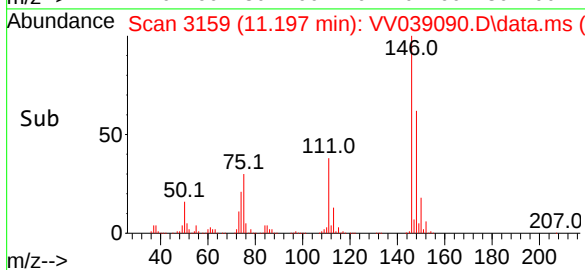
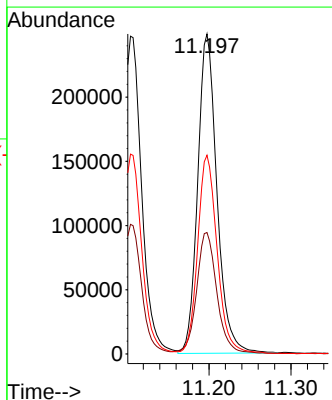
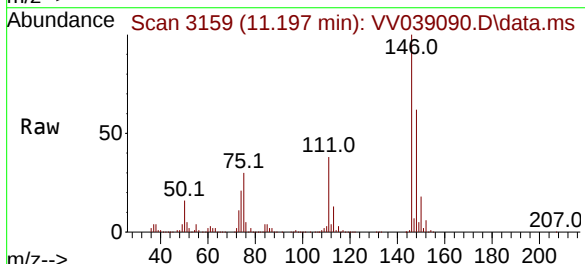
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

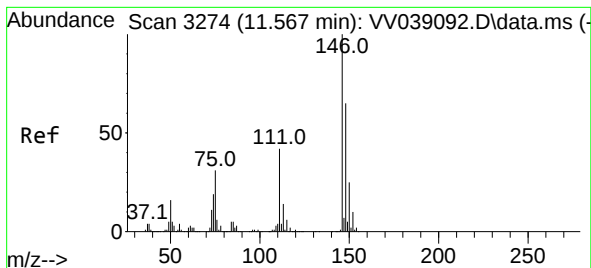
Tgt Ion:146 Resp: 393112
Ion Ratio Lower Upper
146 100
111 40.8 28.3 52.7
148 62.9 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 5.240 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. 0.000 min
Lab File: VV039090.D
Acq: 15 Sep 2025 19:17

Tgt Ion:146 Resp: 404646
Ion Ratio Lower Upper
146 100
111 38.0 27.2 50.6
148 62.1 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 5.124 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

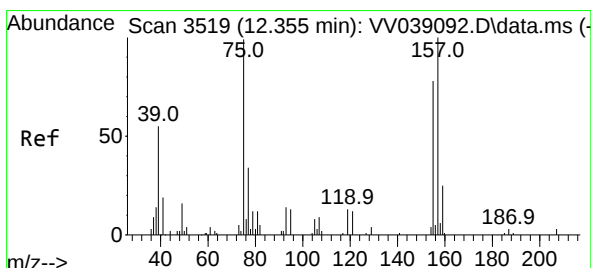
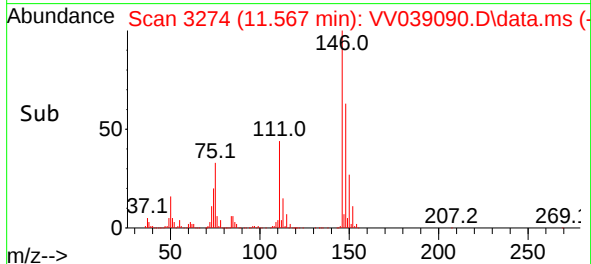
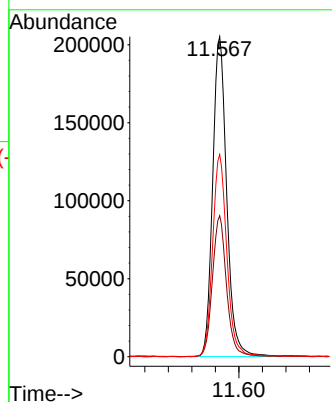
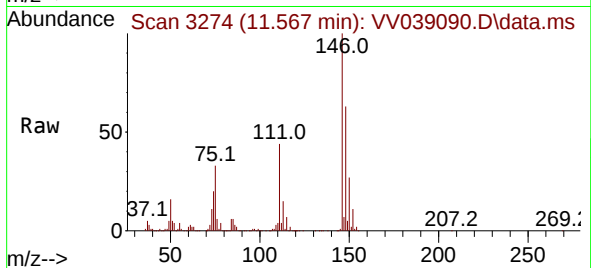
Tgt Ion:146 Resp: 338908

Ion Ratio Lower Upper

146 100

111 44.1 33.4 50.2

148 63.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.149 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

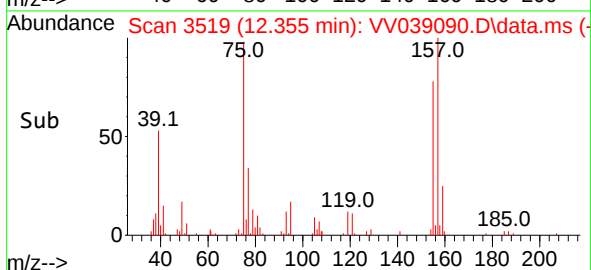
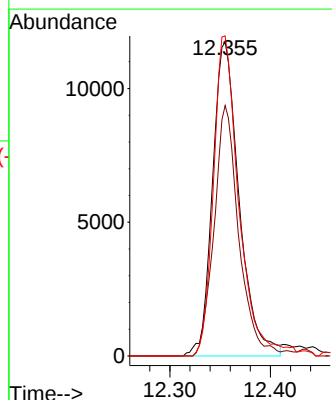
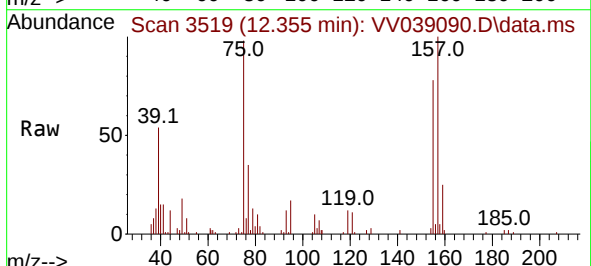
Tgt Ion: 75 Resp: 21609

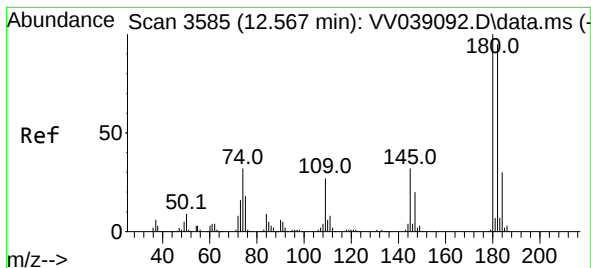
Ion Ratio Lower Upper

75 100

155 79.8 59.4 89.0

157 102.0 76.2 114.2





#69

1,3,5-Trichlorobenzene

Concen: 4.924 ug/L

RT: 12.570 min Scan# 3585

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion:180 Resp: 240867

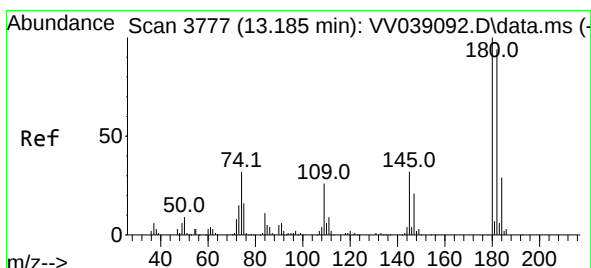
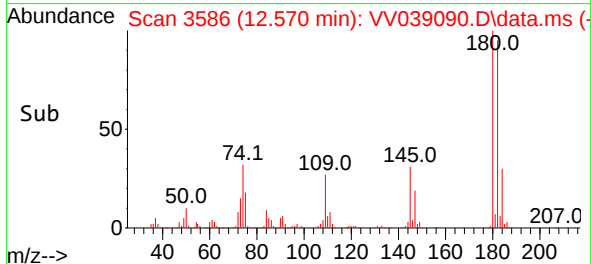
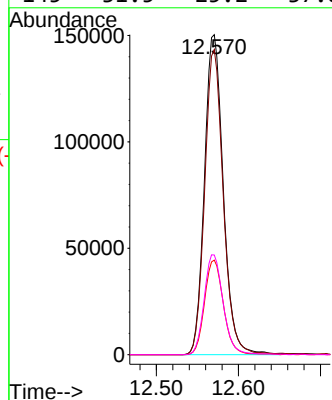
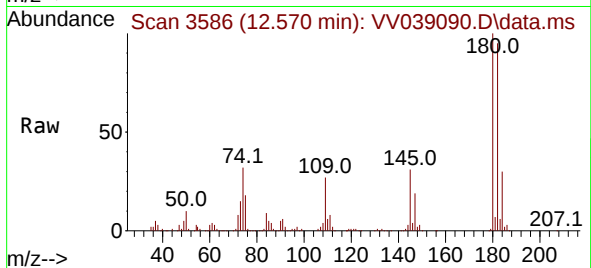
Ion Ratio Lower Upper

180 100

182 93.8 76.3 114.5

184 29.6 24.0 36.0

145 31.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.824 ug/L

RT: 13.185 min Scan# 3777

Delta R.T. -0.003 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

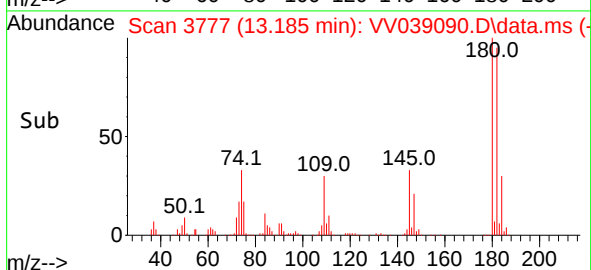
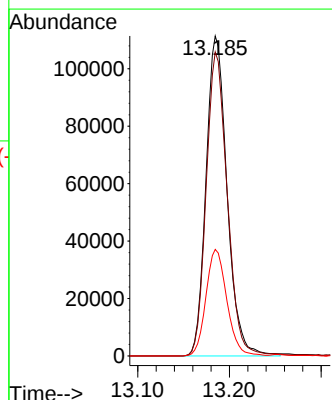
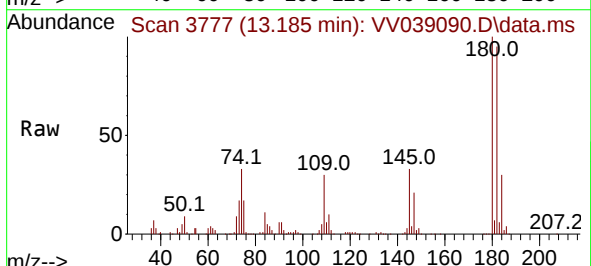
Tgt Ion:180 Resp: 177641

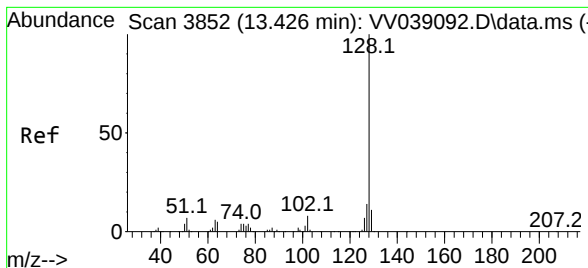
Ion Ratio Lower Upper

180 100

182 94.5 73.2 109.8

145 33.1 25.0 37.4





#71

Naphthalene

Concen: 4.916 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

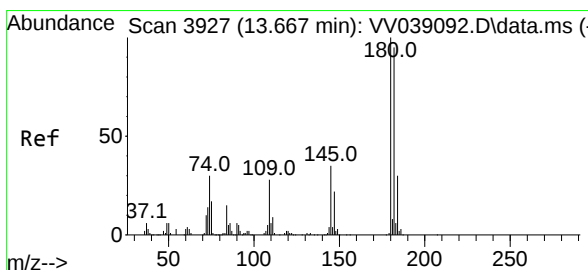
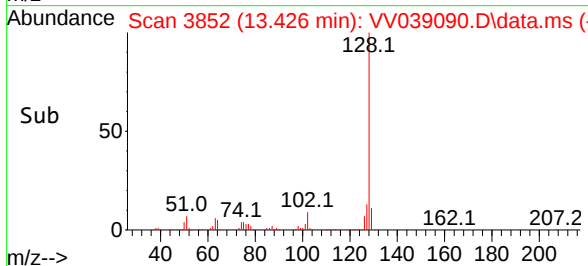
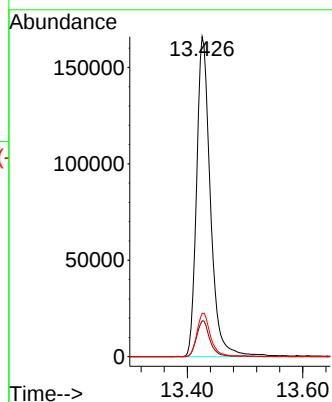
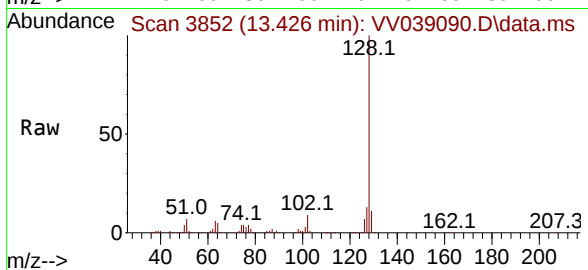
Tgt Ion:128 Resp: 275909

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.2 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.057 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. 0.000 min

Lab File: VV039090.D

Acq: 15 Sep 2025 19:17

Tgt Ion:180 Resp: 166055

Ion Ratio Lower Upper

180 100

182 95.7 76.6 115.0

145 34.4 27.4 41.2

