

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039115.D
 Acq On : 16 Sep 2025 18:08
 Operator : SY/MD
 Sample : Q3084-19MS 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MS

Quant Time: Sep 17 02:26:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091525WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	364192	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	383532	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	178059	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	109544	3.814	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	76.200%	
7) Chloroethane-d5	1.545	69	110799	4.451	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	89.000%	
11) 1,1-Dichloroethene-d2	2.072	65	54599	3.990	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	79.800%	
20) 2-Butanone-d5	3.793	46	260492	61.059	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	122.120%	
24) Chloroform-d	4.256	84	281524	5.047	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.000%	
26) 1,2-Dichloroethane-d4	4.947	65	122640	5.220	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.400%	
32) Benzene-d6	4.963	84	489797	4.667	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.400%	
36) 1,2-Dichloropropane-d6	5.989	67	162026	5.165	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.400%	
41) Toluene-d8	7.239	98	449628	4.786	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.800%	
43) trans-1,3-Dichloroprop...	7.551	79	58206	5.073	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.400%	
46) 2-Hexanone-d5	8.014	63	209641	56.439	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.880%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	119639	5.342	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	106.800%	
66) 1,2-Dichlorobenzene-d4	11.551	152	125546	4.380	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	87.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	191737	5.021	ug/L	100
3) Chloromethane	1.227	50	194625	5.190	ug/L	100
5) Vinyl chloride	1.294	62	209939	5.264	ug/L	99
6) Bromomethane	1.497	94	106324	4.675	ug/L	99
8) Chloroethane	1.561	64	127674	5.138	ug/L	99
9) Trichlorofluoromethane	1.725	101	281151	5.233	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	172015	5.197	ug/L	98
12) 1,1-Dichloroethene	2.082	96	225013	7.525	ug/L	86
13) Acetone	2.121	43	197364	54.994	ug/L	96
14) Carbon disulfide	2.252	76	521558	5.098	ug/L	99
15) Methyl Acetate	2.387	43	54055	5.998	ug/L	95
16) Methylene chloride	2.455	84	178791	5.312	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	268037	5.213	ug/L	98
18) trans-1,2-Dichloroethene	2.706	96	158831	5.218	ug/L	91
19) 1,1-Dichloroethane	3.117	63	1322014	23.680	ug/L	99
21) 2-Butanone	3.873	43	275083	57.785	ug/L	98
22) cis-1,2-Dichloroethene	3.821	96	253652	8.538	ug/L	92
23) Bromochloromethane	4.156	128	71046	5.228	ug/L	92
25) Chloroform	4.281	83	325614	5.629	ug/L	99

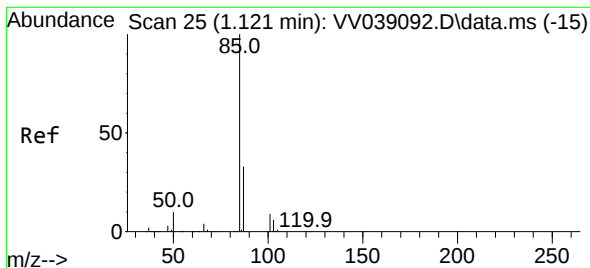
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 17 02:19:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	187756	6.326	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	288628	5.465	ug/L	97
30) Cyclohexane	4.587	56	241565	5.158	ug/L	97
31) Carbon tetrachloride	4.738	117	243788	5.093	ug/L	97
33) Benzene	5.011	78	680404	5.636	ug/L	100
34) Trichloroethene	5.831	95	347998	10.694	ug/L	97
35) Methylcyclohexane	6.050	83	257826	5.064	ug/L	97
37) 1,2-Dichloropropane	6.088	63	179467	5.732	ug/L	100
38) Bromodichloromethane	6.429	83	230248	5.657	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	218353	5.257	ug/L	97
40) 4-Methyl-2-pentanone	7.149	43	787960	63.520	ug/L	97
42) Toluene	7.310	91	724339	5.757	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	190208	5.635	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	125060	5.816	ug/L	96
47) Tetrachloroethene	7.898	164	133416	5.245	ug/L	98
48) 2-Hexanone	8.066	43	564996	65.517	ug/L	98
49) Dibromochloromethane	8.169	129	140137	5.568	ug/L	98
50) 1,2-Dibromoethane	8.278	107	110779	5.742	ug/L	97
51) Chlorobenzene	8.805	112	454347	5.595	ug/L	99
52) Ethylbenzene	8.937	91	711270	5.487	ug/L	98
53) m,p-Xylene	9.066	106	282254	5.598	ug/L	98
54) o-Xylene	9.468	106	253497	5.480	ug/L	99
55) Styrene	9.487	104	472484	5.782	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.169	83	135466	5.653	ug/L	96
59) Bromoform	9.657	173	70211	5.558	ug/L	99
60) Isopropylbenzene	9.857	105	688225	5.778	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	89104	5.941	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	455763	4.985	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	465071	5.178	ug/L	99
64) 1,3-Dichlorobenzene	11.107	146	313591	5.396	ug/L	97
65) 1,4-Dichlorobenzene	11.197	146	340017	5.656	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	268939	5.222	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	18073	5.531	ug/L	96
69) 1,3,5-Trichlorobenzene	12.570	180	183219	4.811	ug/L	98
70) 1,2,4-trichlorobenzene	13.188	180	132955	4.637	ug/L	98
71) Naphthalene	13.426	128	202259	4.629	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	122115	4.777	ug/L	98

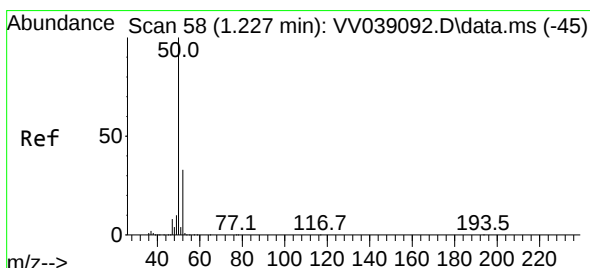
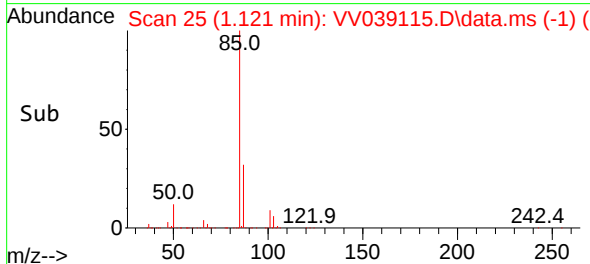
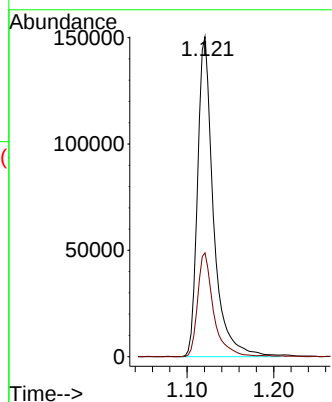
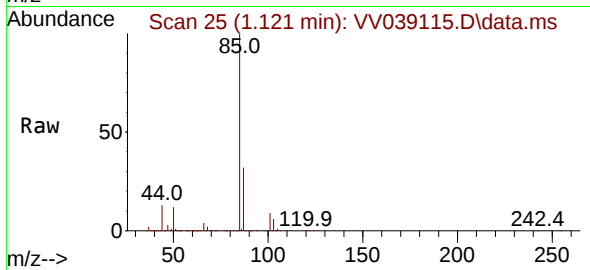
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.021 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

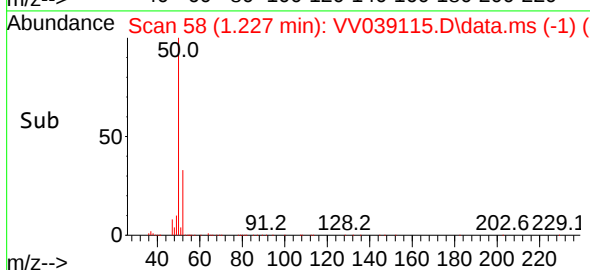
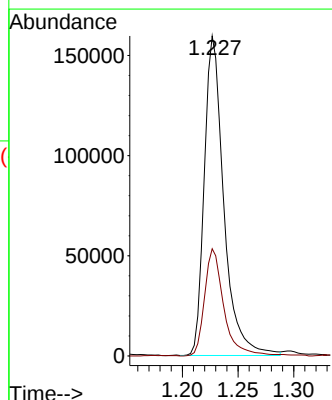
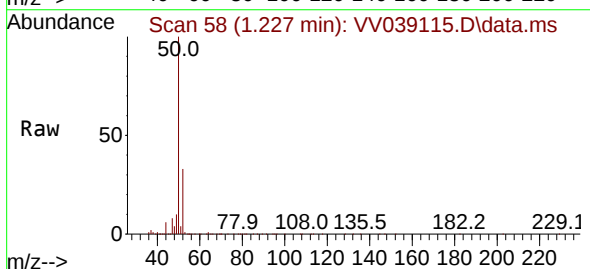
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MS

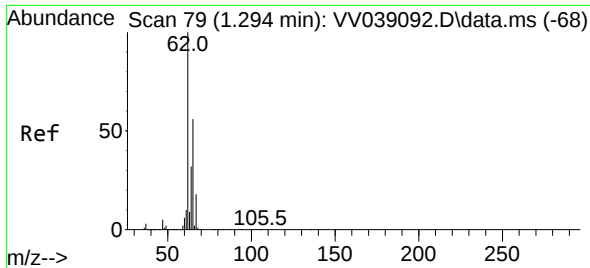
Tgt Ion: 85 Resp: 191737
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 5.190 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. -0.000 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

Tgt Ion: 50 Resp: 194625
 Ion Ratio Lower Upper
 50 100
 52 33.5 23.4 43.6

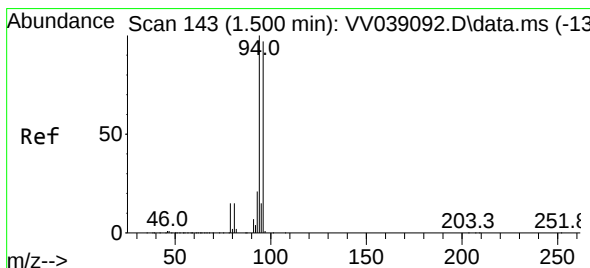
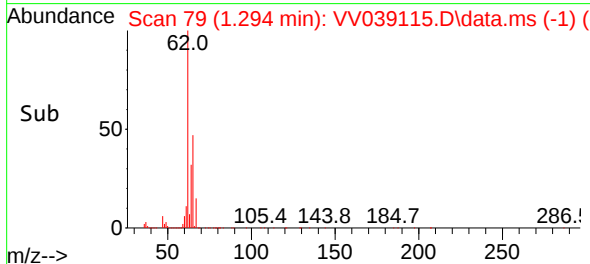
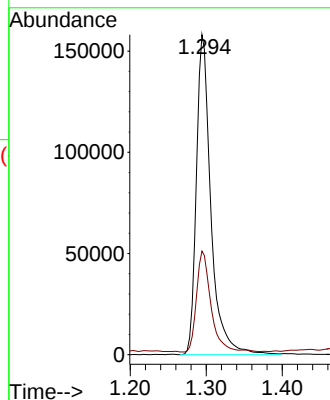
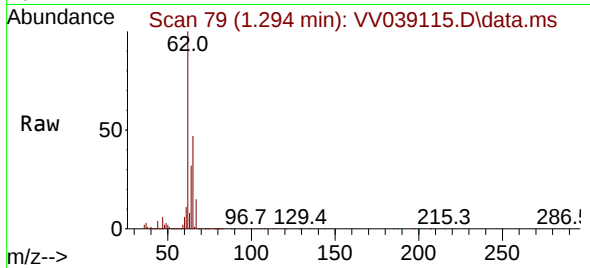




#5
 Vinyl chloride
 Concen: 5.264 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

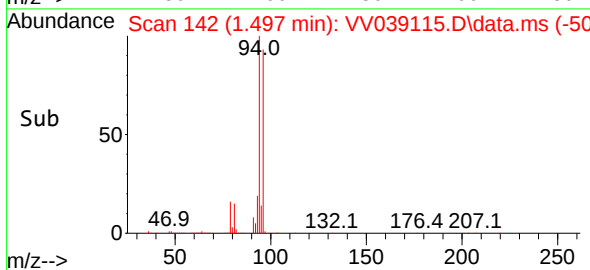
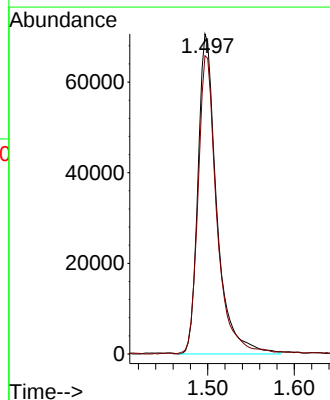
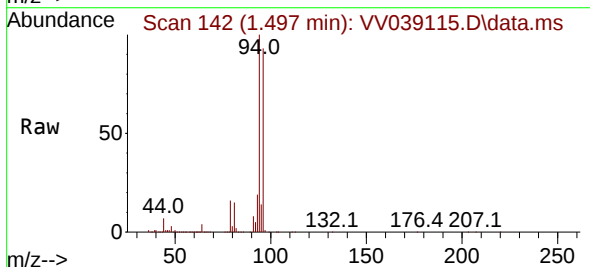
Instrument : MSVOA_V
 ClientSampleId : PMW-2(20250911)MS

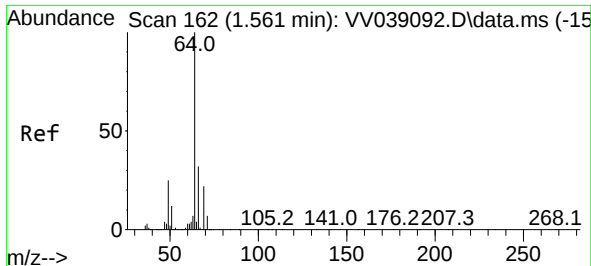
Tgt Ion: 62 Resp: 209939
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.4 41.6



#6
 Bromomethane
 Concen: 4.675 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. -0.003 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

Tgt Ion: 94 Resp: 106324
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.9 122.5

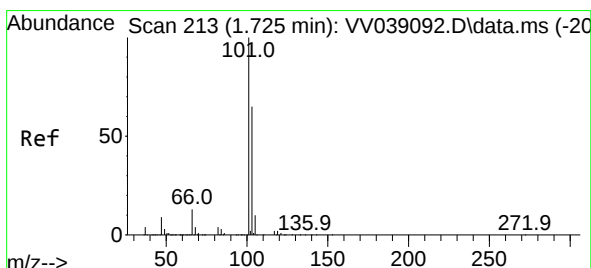
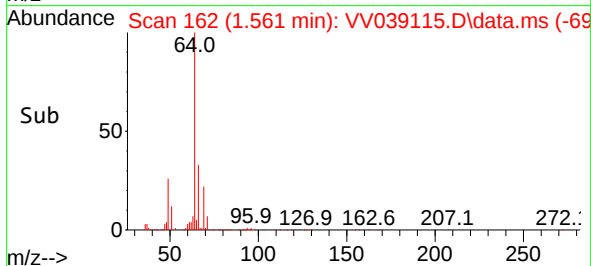
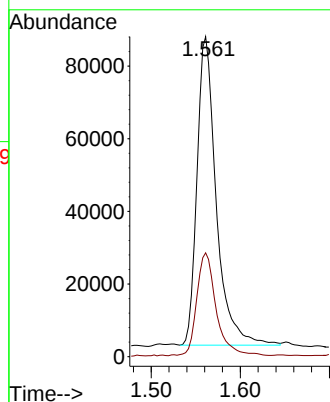
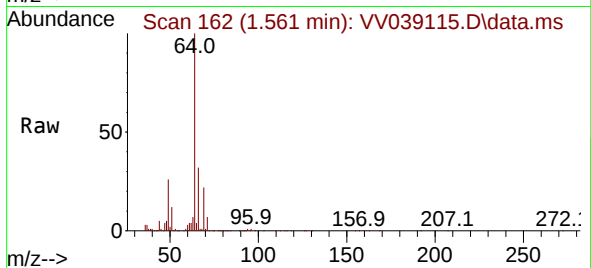




#8
Chloroethane
Concen: 5.138 ug/L
RT: 1.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

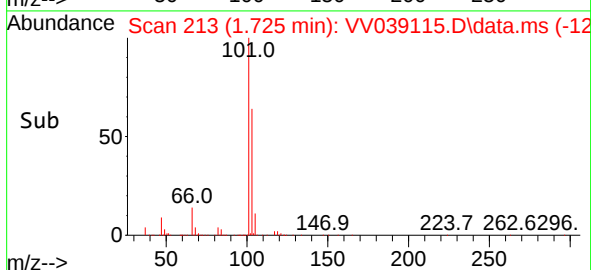
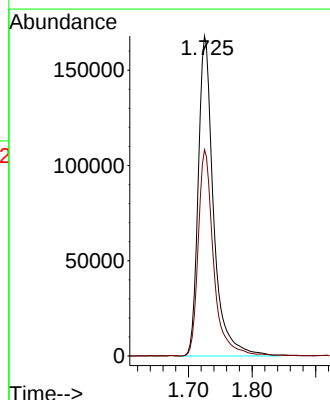
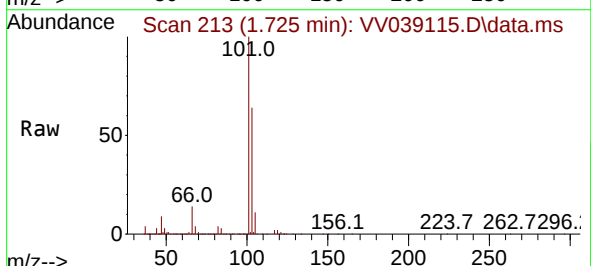
Instrument :
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ClientSampleId :
PMW-2(20250911)MS

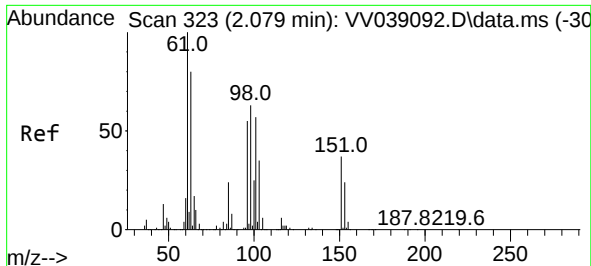
Tgt Ion: 64 Resp: 127674
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.233 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 101 Resp: 281151
Ion Ratio Lower Upper
101 100
103 64.3 50.7 76.1

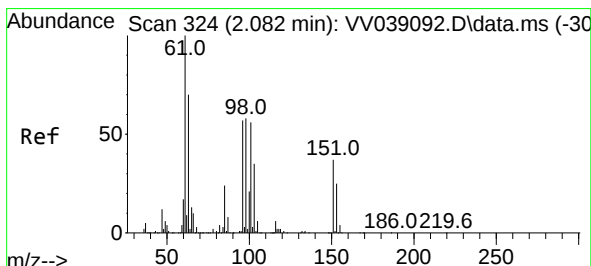
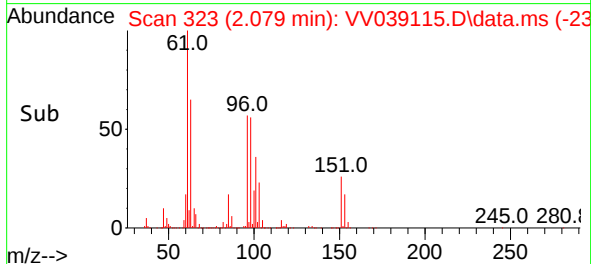
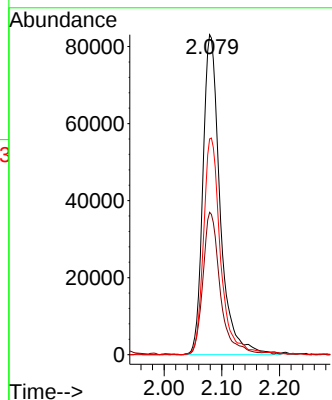
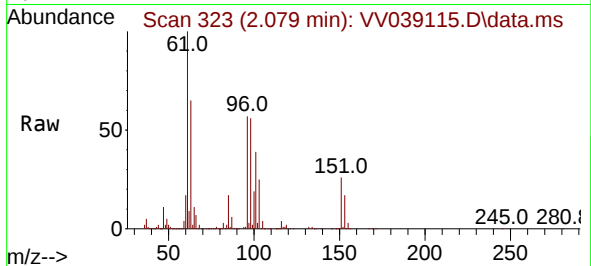




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.197 ug/L
 RT: 2.079 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

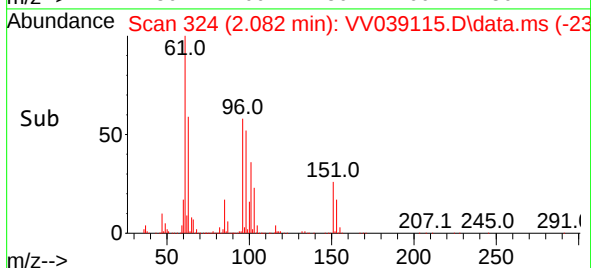
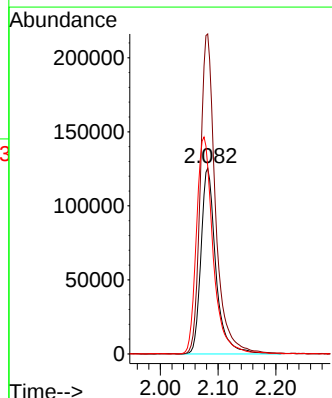
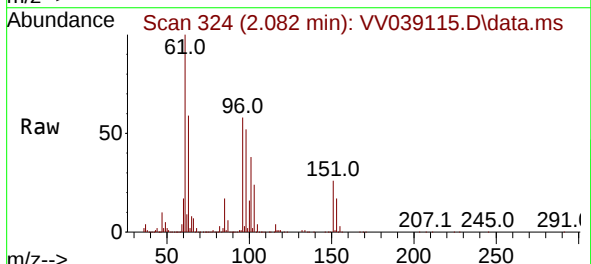
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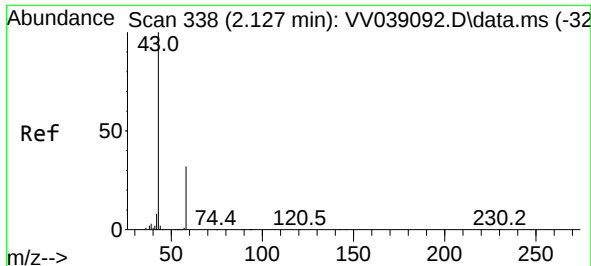
Tgt Ion:101 Resp: 172015
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.4 53.0
 151 67.5 55.4 83.0



#12
 1,1-Dichloroethene
 Concen: 7.525 ug/L
 RT: 2.082 min Scan# 324
 Delta R.T. -0.000 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

Tgt Ion: 96 Resp: 225013
 Ion Ratio Lower Upper
 96 100
 61 172.3 124.7 231.7
 63 101.1 93.5 173.7





#13

Acetone

Concen: 54.994 ug/L

RT: 2.121 min Scan# 338

Delta R.T. -0.007 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

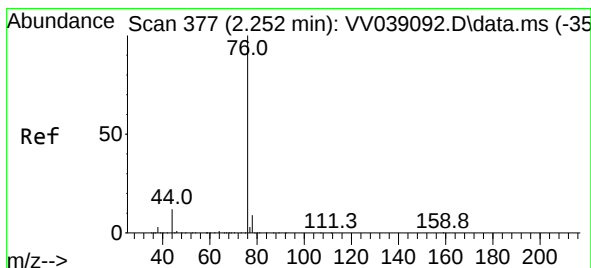
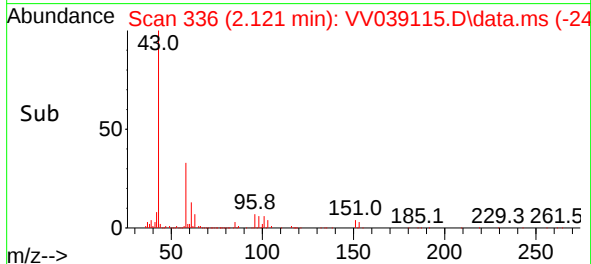
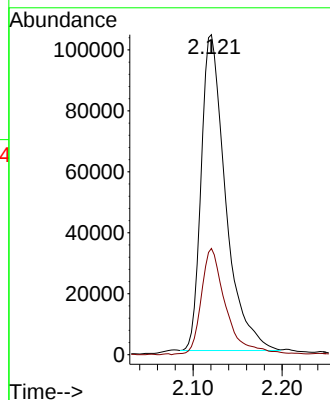
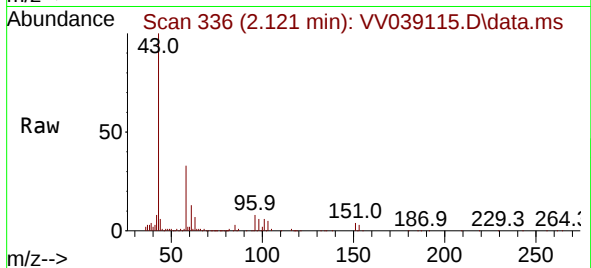
PMW-2(20250911)MS

Tgt Ion: 43 Resp: 197364

Ion Ratio Lower Upper

43 100

58 34.3 0.0 64.0



#14

Carbon disulfide

Concen: 5.098 ug/L

RT: 2.252 min Scan# 377

Delta R.T. -0.000 min

Lab File: VV039115.D

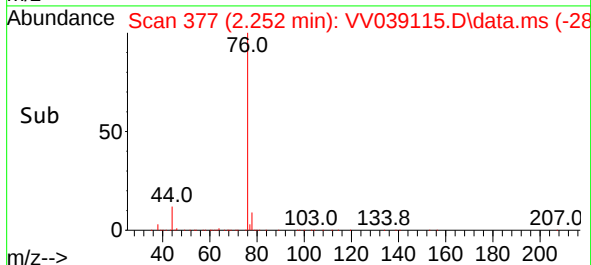
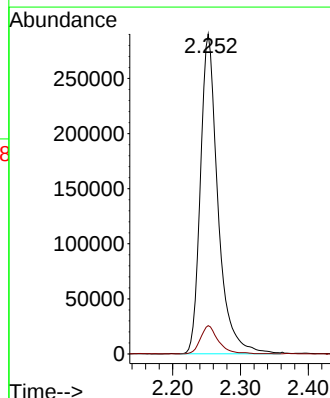
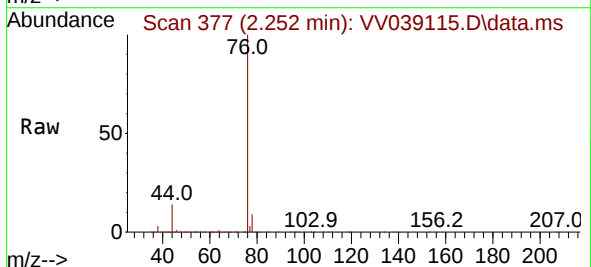
Acq: 16 Sep 2025 18:08

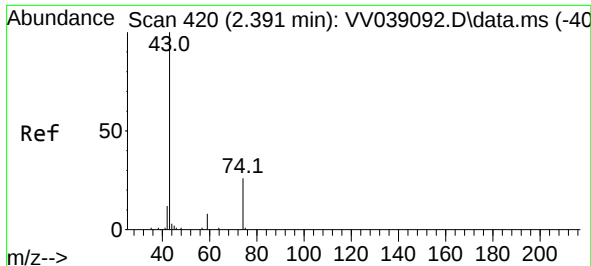
Tgt Ion: 76 Resp: 521558

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

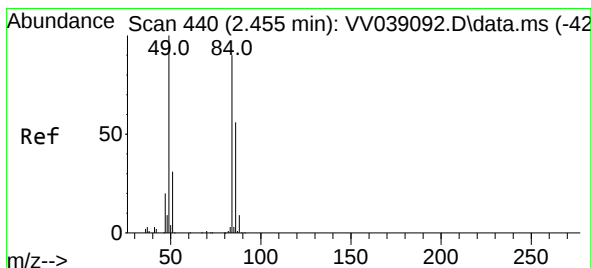
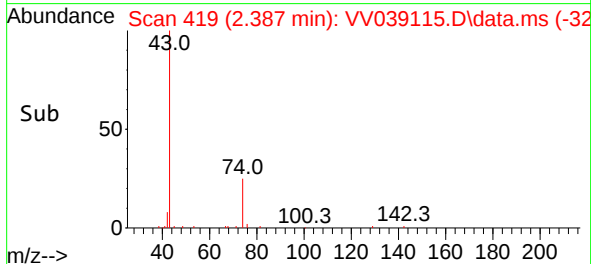
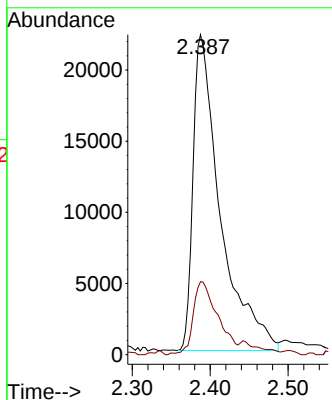
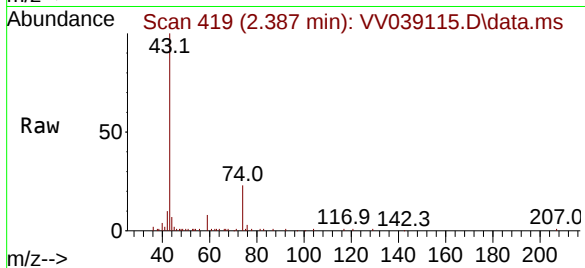




#15
Methyl Acetate
Concen: 5.998 ug/L
RT: 2.387 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

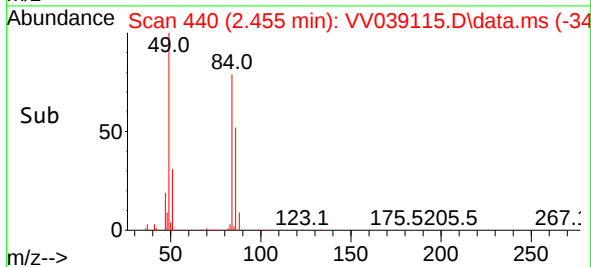
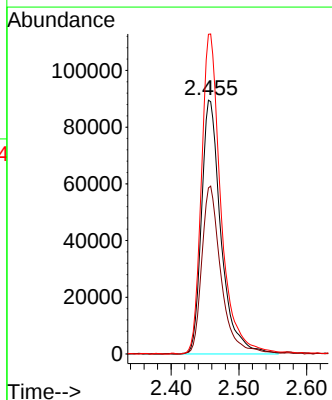
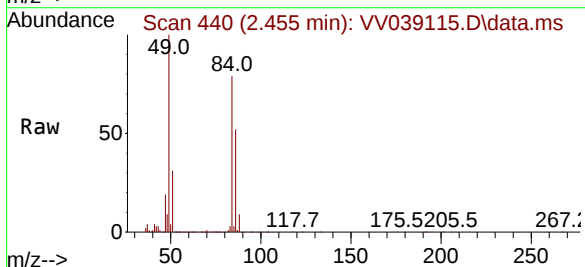
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

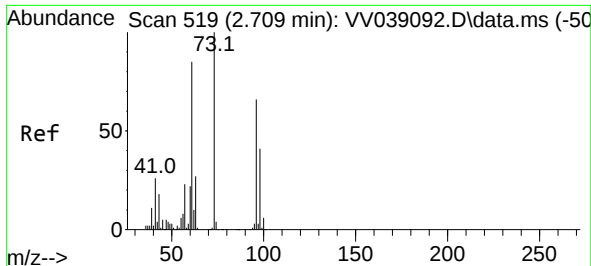
Tgt Ion: 43 Resp: 54055
Ion Ratio Lower Upper
43 100
74 20.9 18.8 28.2



#16
Methylene chloride
Concen: 5.312 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 84 Resp: 178791
Ion Ratio Lower Upper
84 100
86 65.4 44.2 82.2
49 126.0 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 5.213 ug/L

RT: 2.712 min Scan# 519

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MS

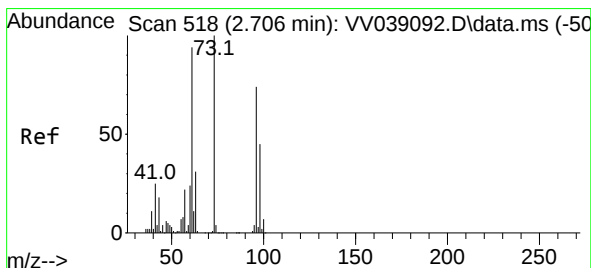
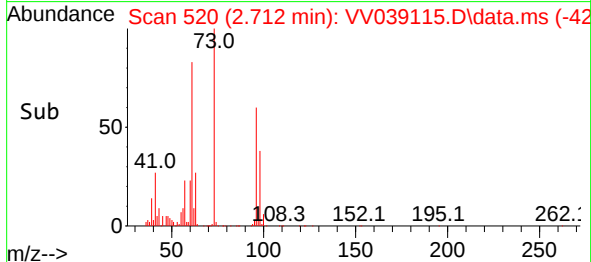
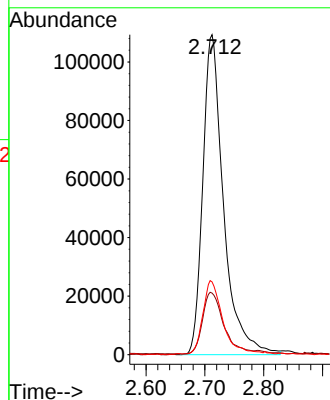
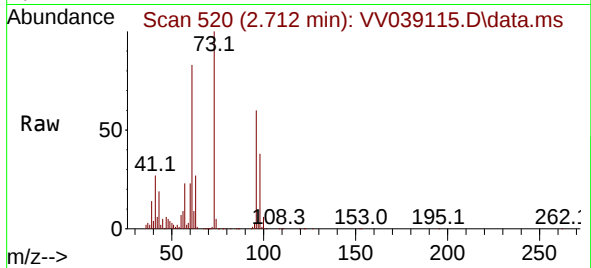
Tgt Ion: 73 Resp: 268037

Ion Ratio Lower Upper

73 100

43 19.6 14.7 22.1

57 21.6 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 5.218 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

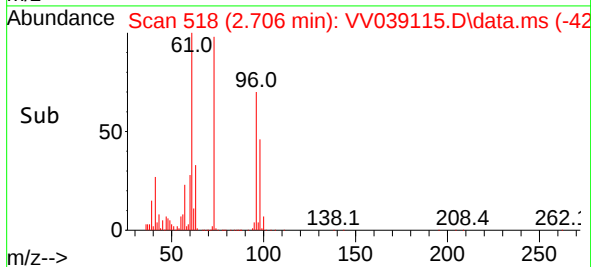
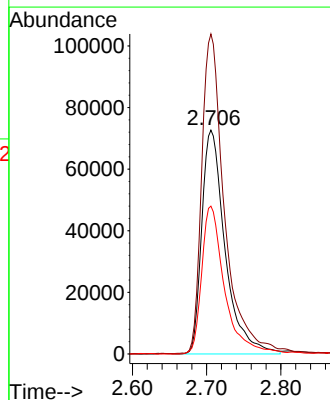
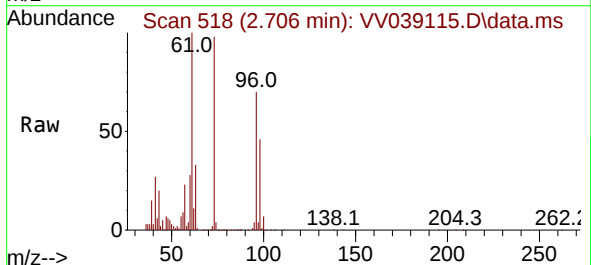
Tgt Ion: 96 Resp: 158831

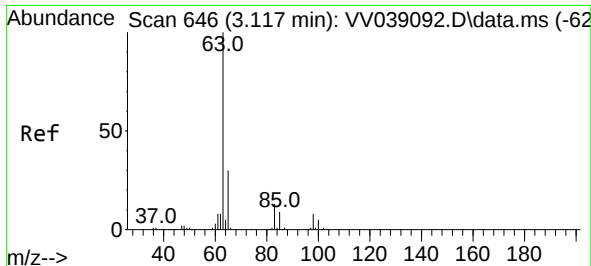
Ion Ratio Lower Upper

96 100

61 143.0 89.7 166.5

98 66.0 44.9 83.3



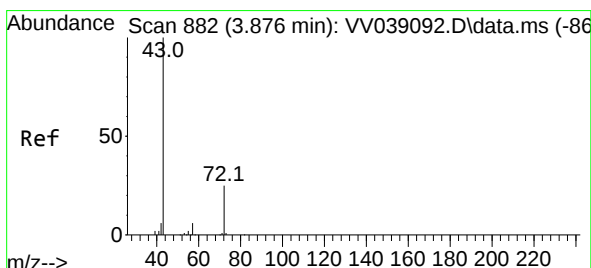
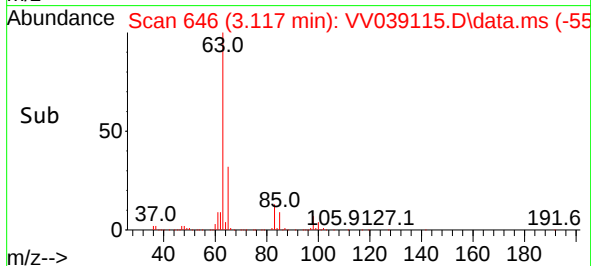
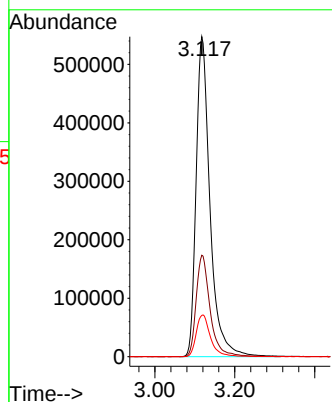
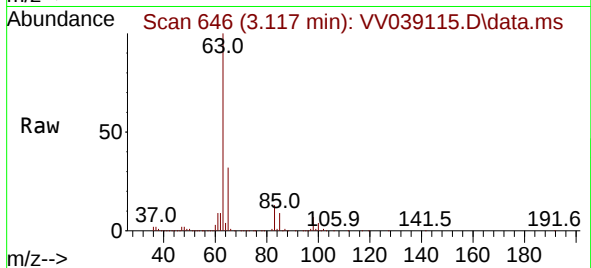


#19
1,1-Dichloroethane
Concen: 23.680 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

Tgt Ion: 63 Resp: 1322014

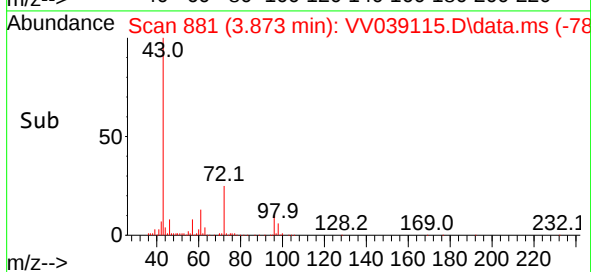
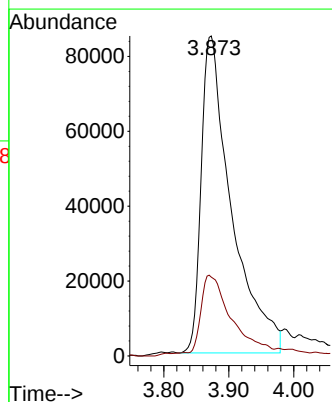
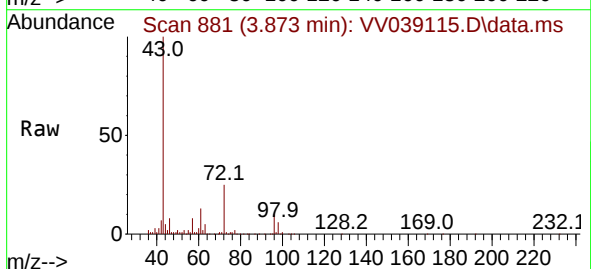
Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.5	39.9
83	12.9	9.2	17.2

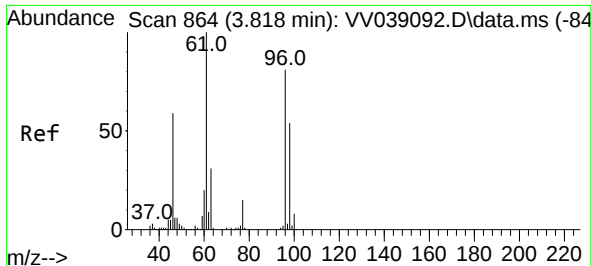


#21
2-Butanone
Concen: 57.785 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 43 Resp: 275083

Ion	Ratio	Lower	Upper
43	100		
72	25.0	12.0	36.0

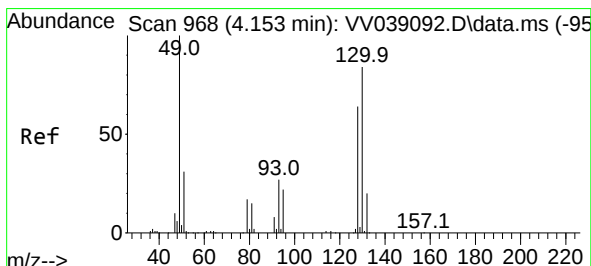
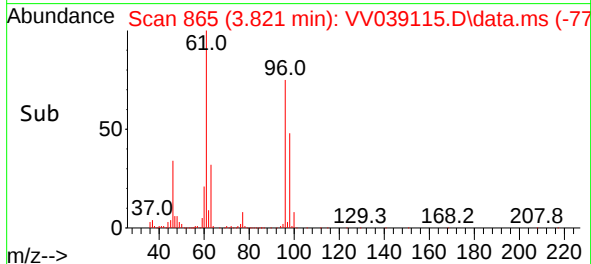
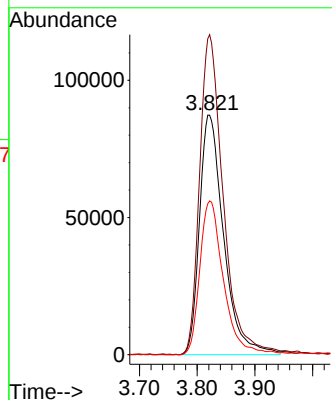
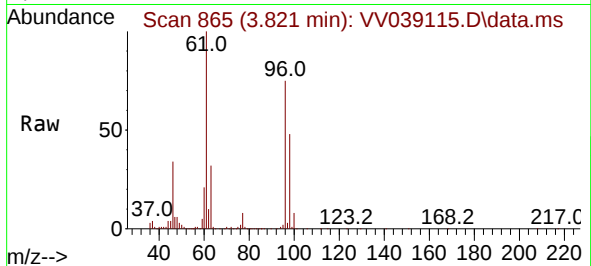




#22
 cis-1,2-Dichloroethene
 Concen: 8.538 ug/L
 RT: 3.821 min Scan# 864
 Delta R.T. 0.003 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

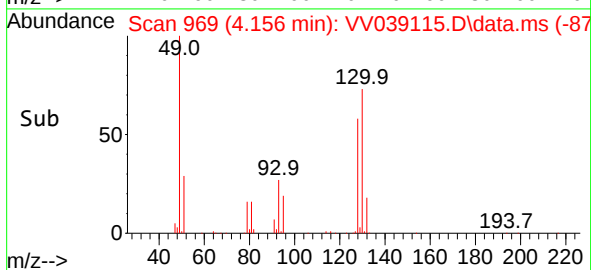
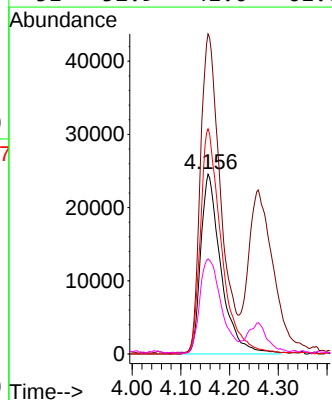
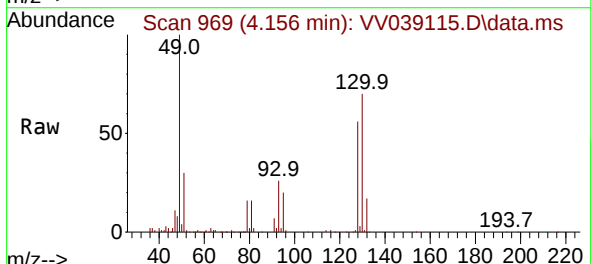
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MS

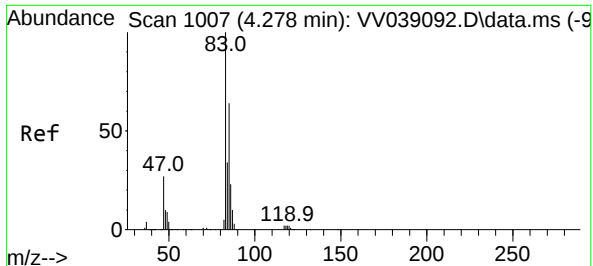
Tgt Ion: 96 Resp: 253652
 Ion Ratio Lower Upper
 96 100
 61 133.6 85.4 158.6
 98 64.2 46.6 86.6



#23
 Bromochloromethane
 Concen: 5.228 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.003 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

Tgt Ion:128 Resp: 71046
 Ion Ratio Lower Upper
 128 100
 49 178.1 115.3 214.1
 130 125.3 93.2 173.0
 51 52.9 41.0 61.6

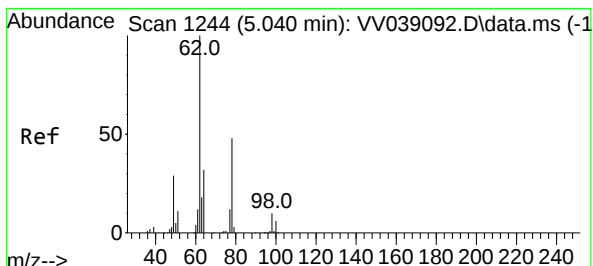
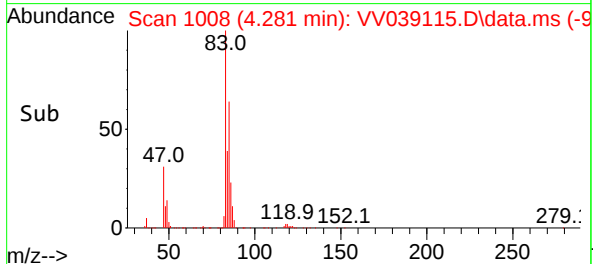
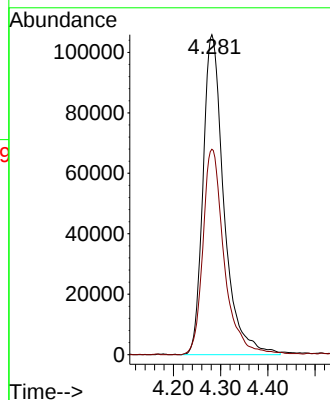
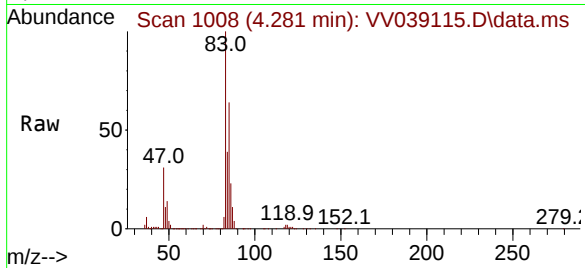




#25
Chloroform
Concen: 5.629 ug/L
RT: 4.281 min Scan# 1007
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

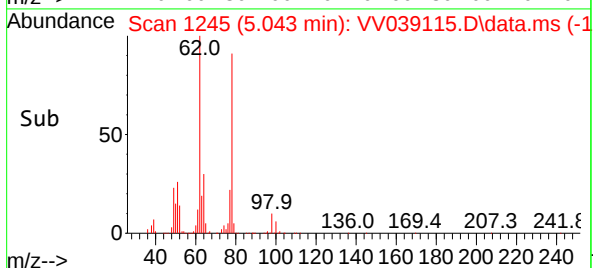
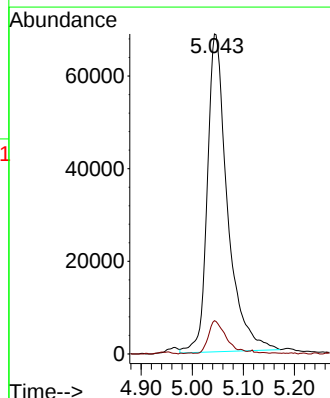
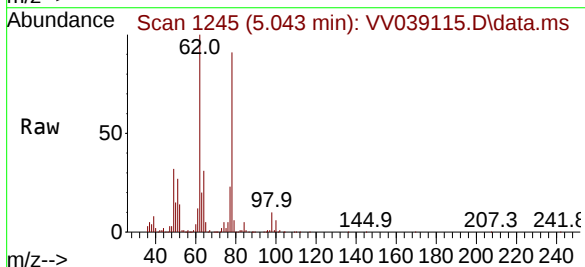
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

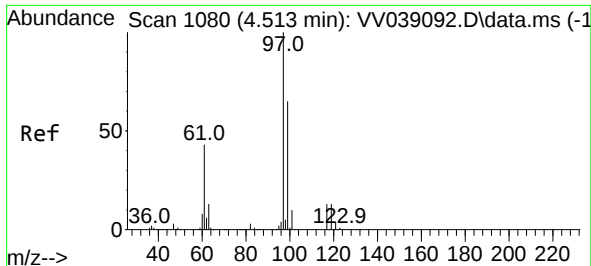
Tgt Ion: 83 Resp: 325614
Ion Ratio Lower Upper
83 100
85 64.2 45.3 84.1



#27
1,2-Dichloroethane
Concen: 6.326 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 62 Resp: 187756
Ion Ratio Lower Upper
62 100
98 10.4 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 5.465 ug/L

RT: 4.516 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MS

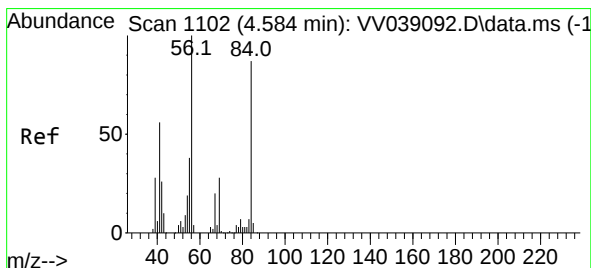
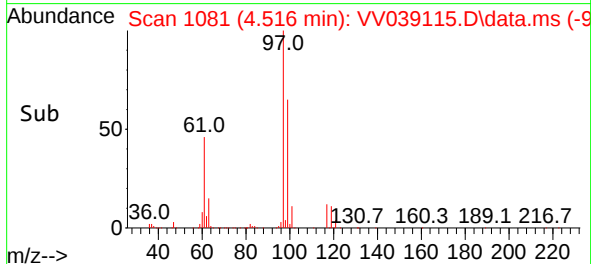
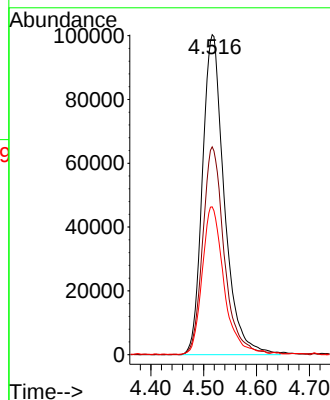
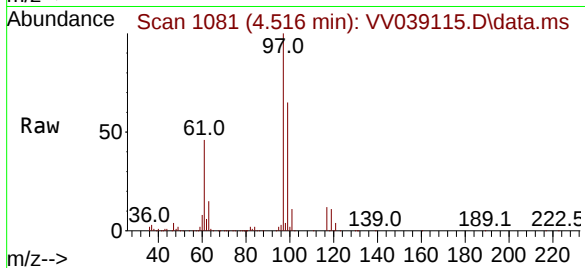
Tgt Ion: 97 Resp: 288628

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 45.4 32.9 49.3



#30

Cyclohexane

Concen: 5.158 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

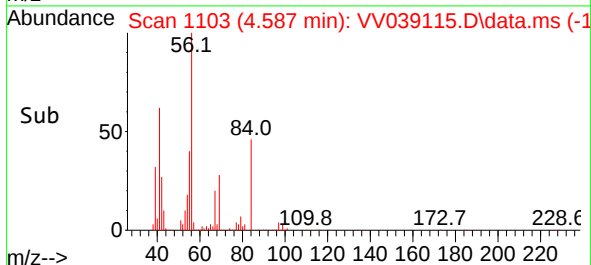
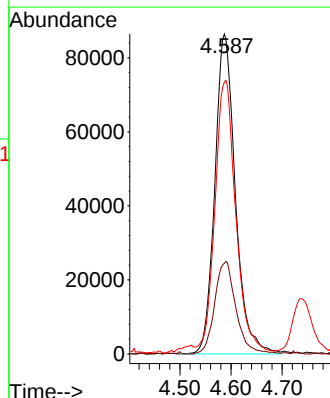
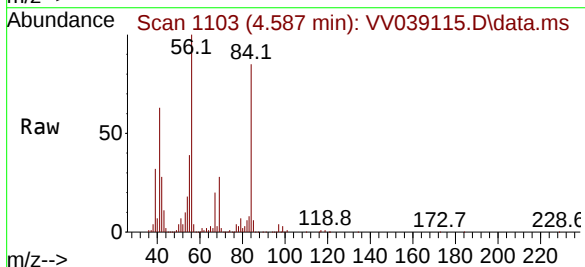
Tgt Ion: 56 Resp: 241565

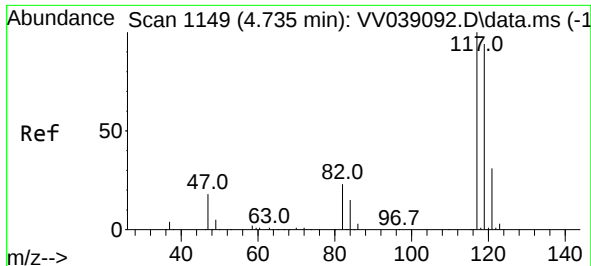
Ion Ratio Lower Upper

56 100

69 30.0 25.0 37.6

84 85.8 71.3 106.9

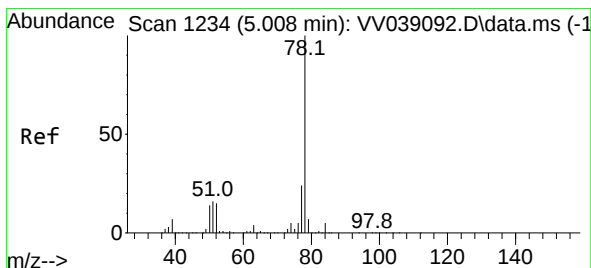
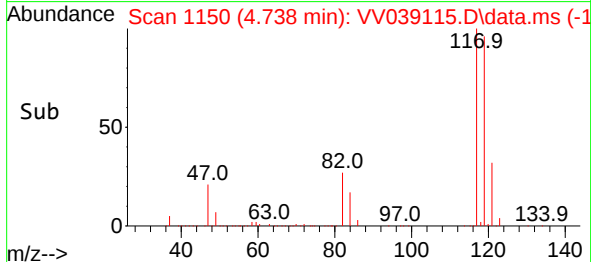
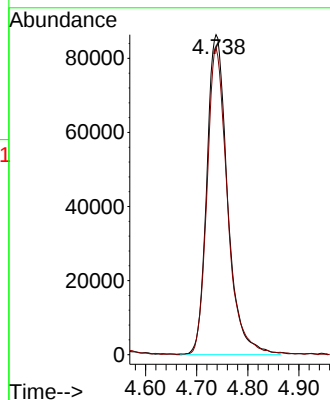
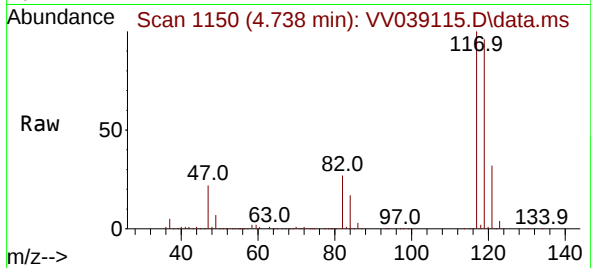




#31
Carbon tetrachloride
Concen: 5.093 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

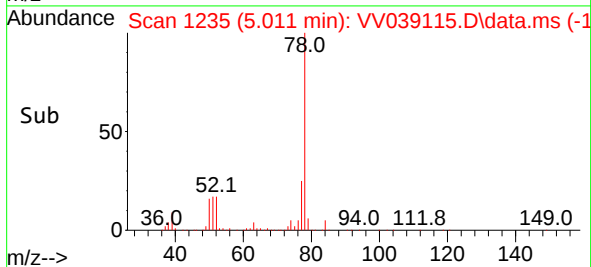
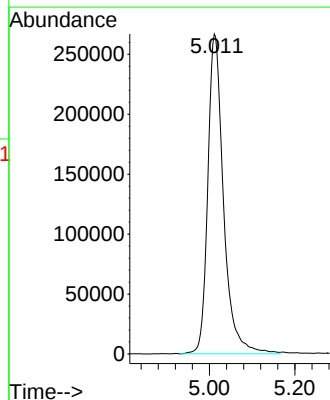
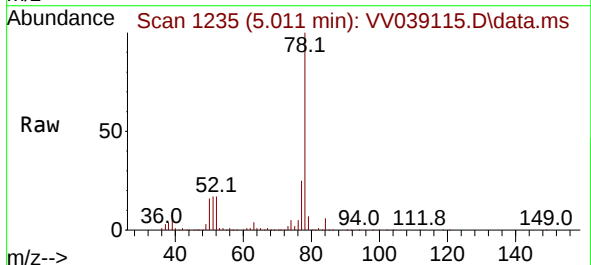
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

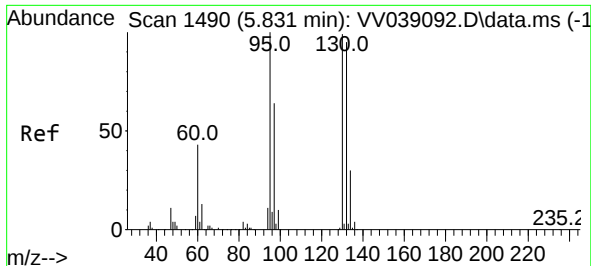
Tgt Ion:117 Resp: 243788
Ion Ratio Lower Upper
117 100
119 93.9 77.4 116.2



#33
Benzene
Concen: 5.636 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 78 Resp: 680404



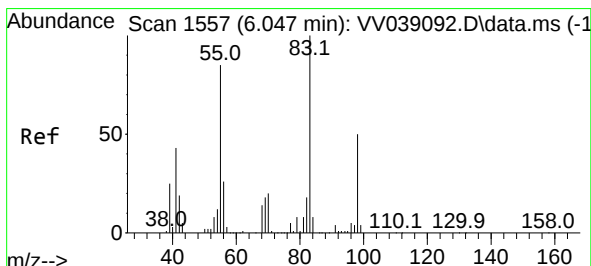
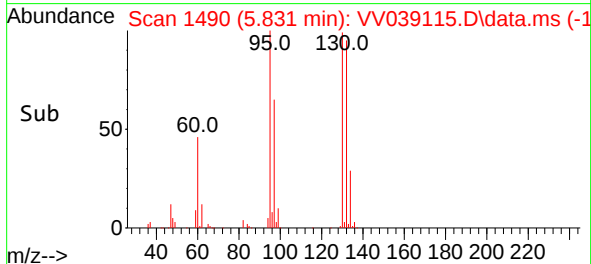
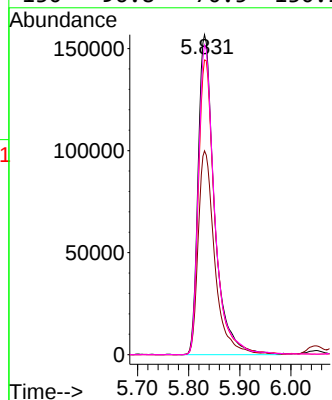
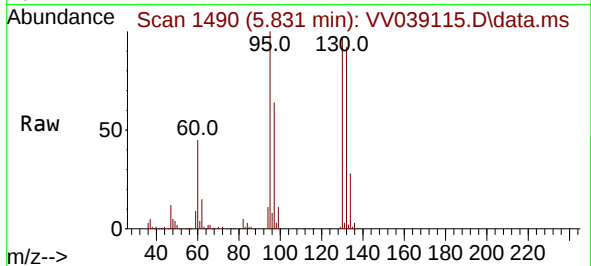


#34
Trichloroethene
Concen: 10.694 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

Tgt Ion: 95 Resp: 347998

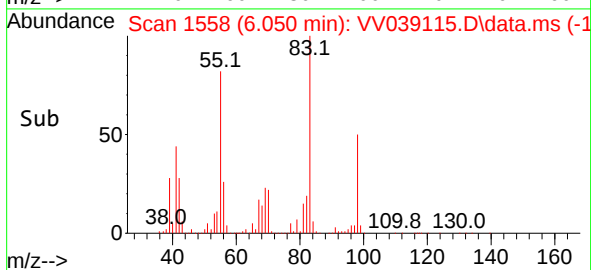
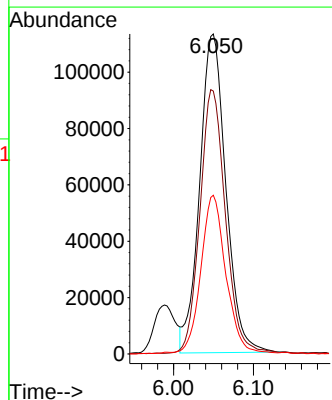
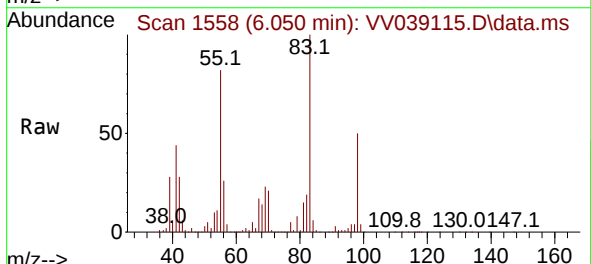
Ion	Ratio	Lower	Upper
95	100		
97	63.7	43.3	80.5
132	92.1	65.5	121.7
130	96.8	70.5	130.9

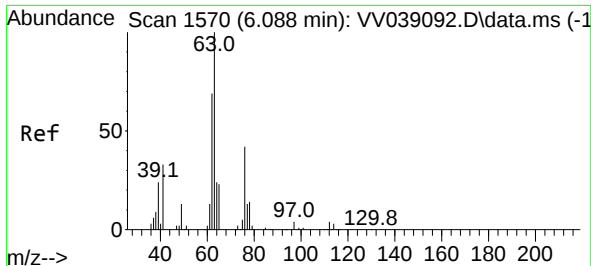


#35
Methylcyclohexane
Concen: 5.064 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 83 Resp: 257826

Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.4	92.2
98	46.5	38.2	57.4





#37

1,2-Dichloropropane

Concen: 5.732 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

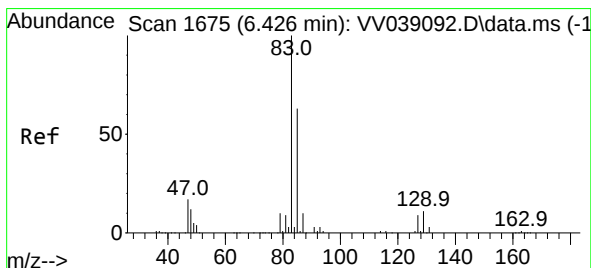
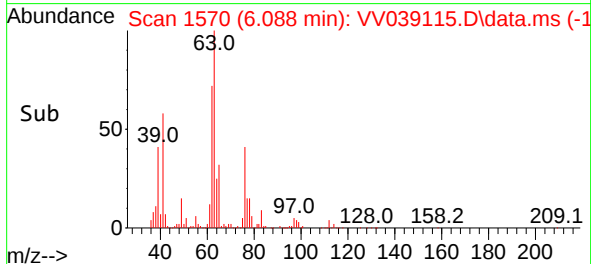
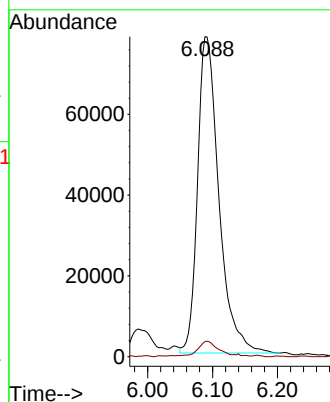
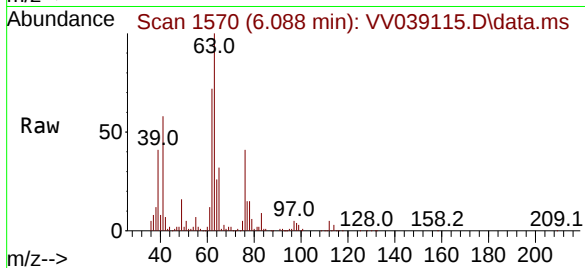
PMW-2(20250911)MS

Tgt Ion: 63 Resp: 179467

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#38

Bromodichloromethane

Concen: 5.657 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

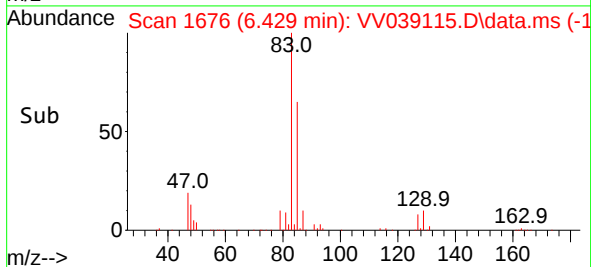
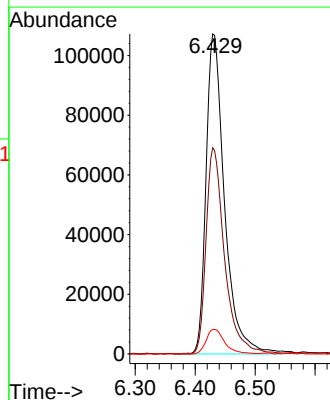
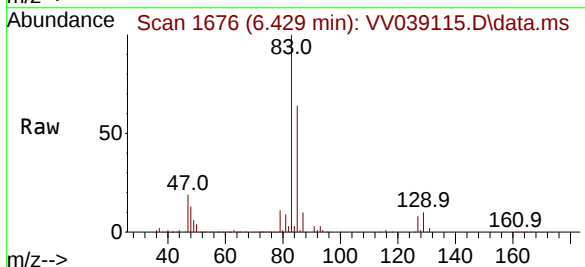
Tgt Ion: 83 Resp: 230248

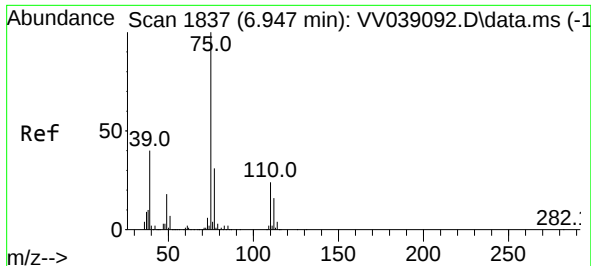
Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2

127 7.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.257 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

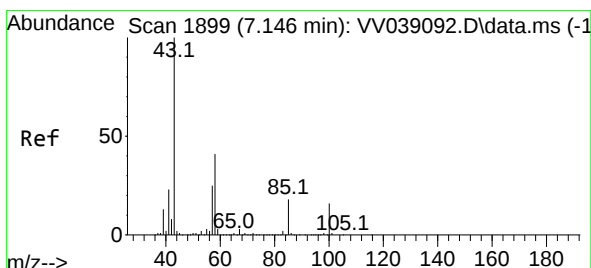
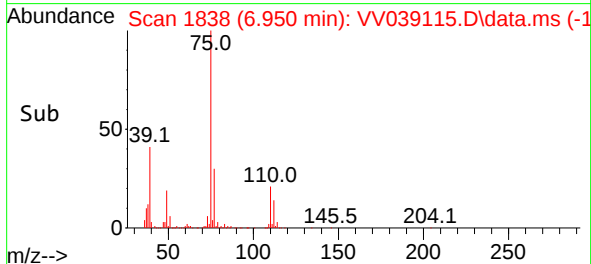
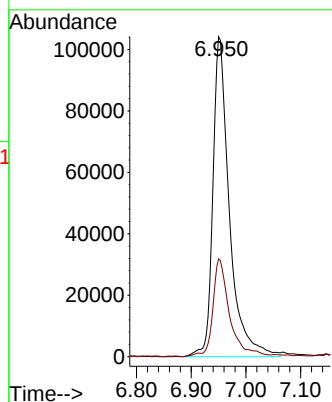
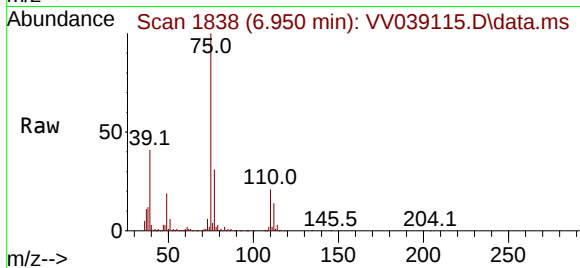
PMW-2(20250911)MS

Tgt Ion: 75 Resp: 218353

Ion Ratio Lower Upper

75 100

77 30.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 63.520 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

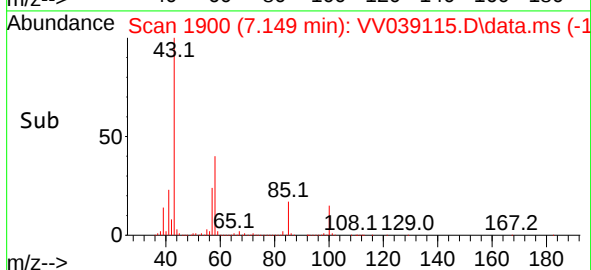
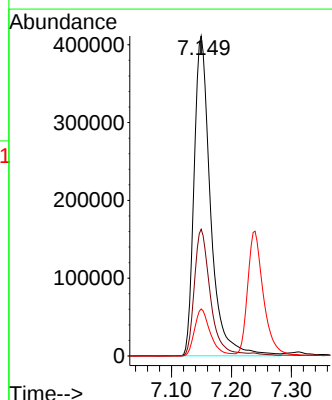
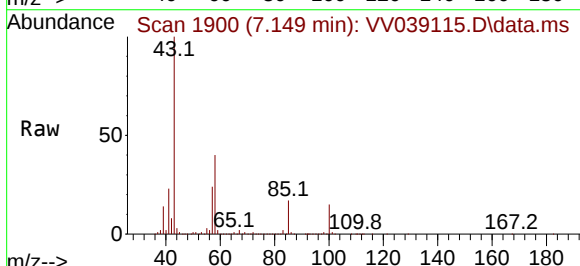
Tgt Ion: 43 Resp: 787960

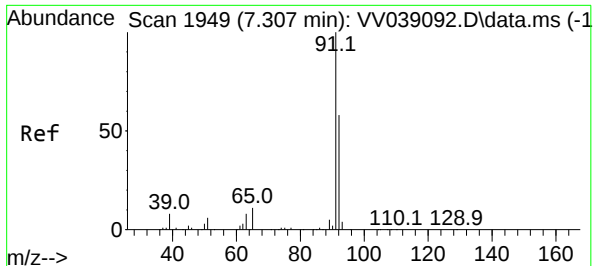
Ion Ratio Lower Upper

43 100

58 38.6 31.7 47.5

100 14.2 13.0 19.4

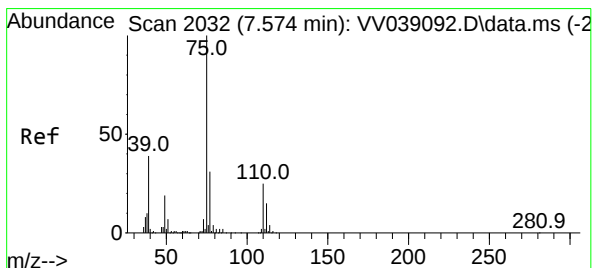
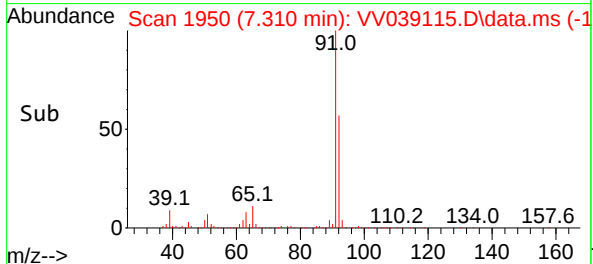
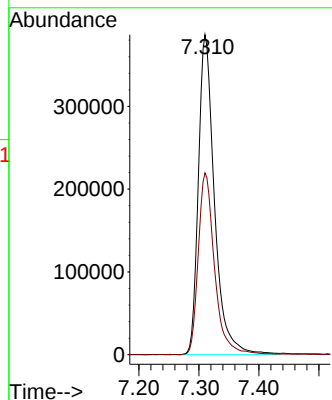
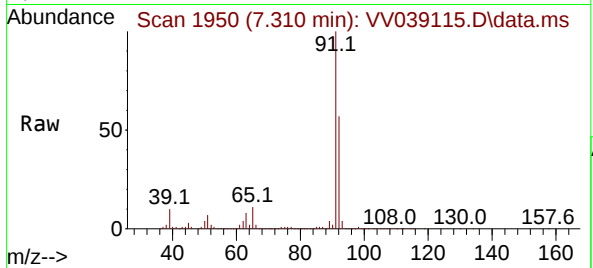




#42
Toluene
Concen: 5.757 ug/L
RT: 7.310 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

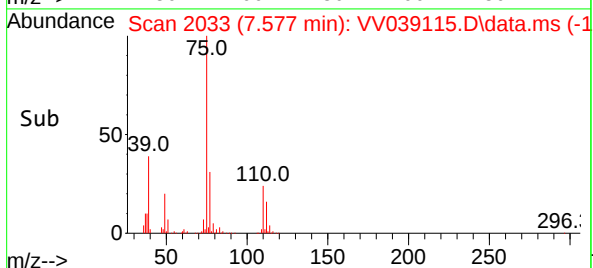
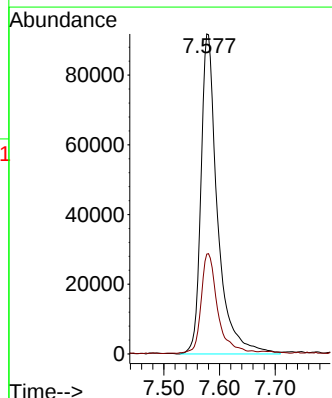
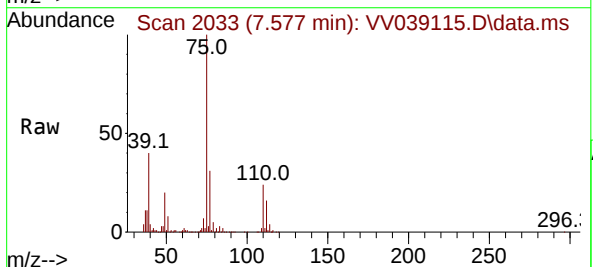
Instrument : MSVOA_V
ClientSampleId : PMW-2(20250911)MS

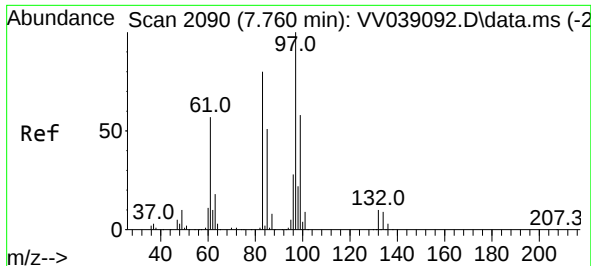
Tgt Ion: 91 Resp: 724339
Ion Ratio Lower Upper
91 100
92 56.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 5.635 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 75 Resp: 190208
Ion Ratio Lower Upper
75 100
77 31.2 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.816 ug/L

RT: 7.763 min Scan# 2090

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MS

Tgt Ion: 97 Resp: 125060

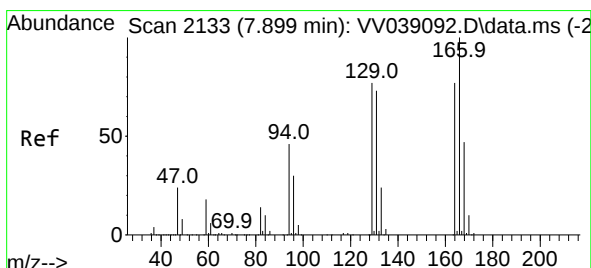
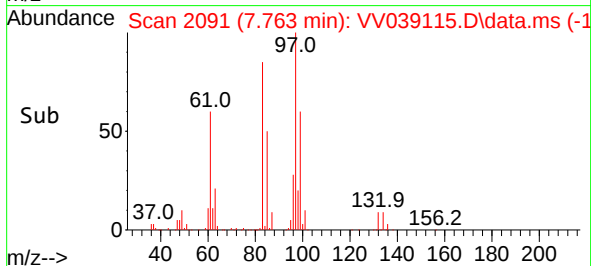
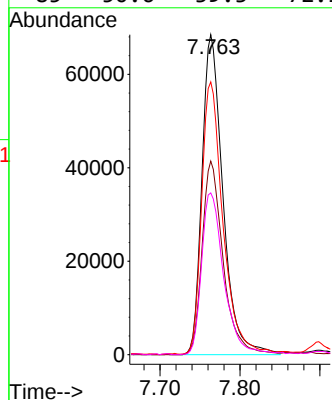
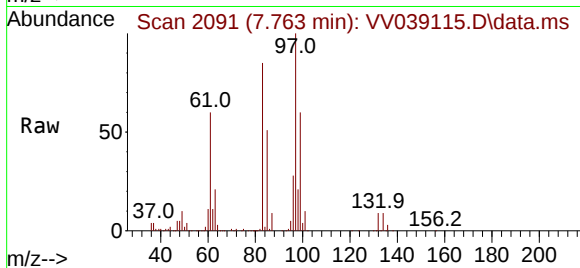
Ion Ratio Lower Upper

97 100

99 60.5 43.3 80.3

83 85.3 61.7 114.7

85 50.6 39.3 72.9



#47

Tetrachloroethene

Concen: 5.245 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Tgt Ion:164 Resp: 133416

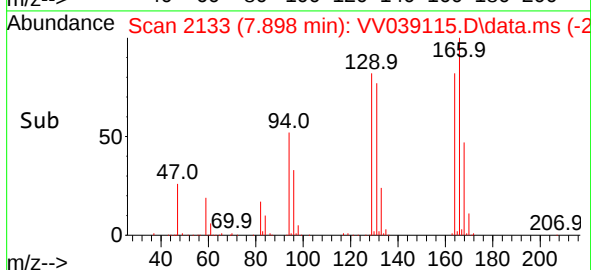
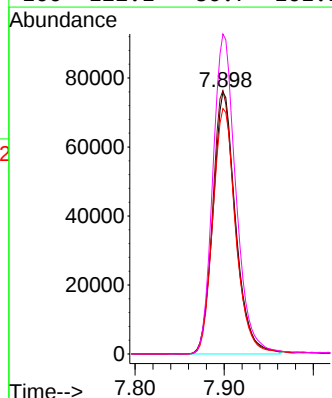
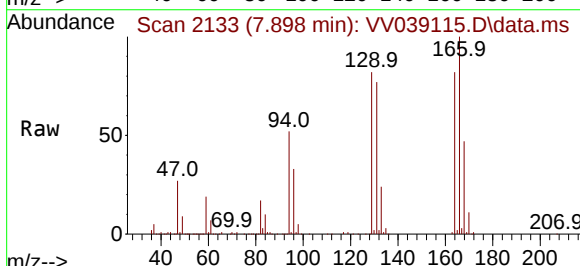
Ion Ratio Lower Upper

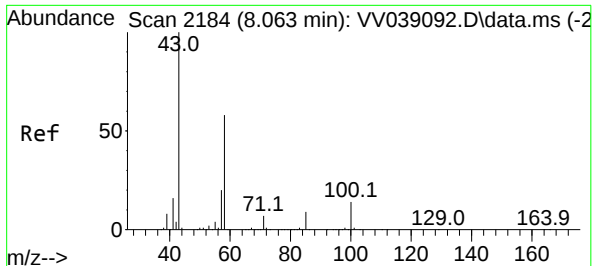
164 100

129 100.5 68.0 126.4

131 93.6 65.4 121.4

166 122.1 86.7 161.1

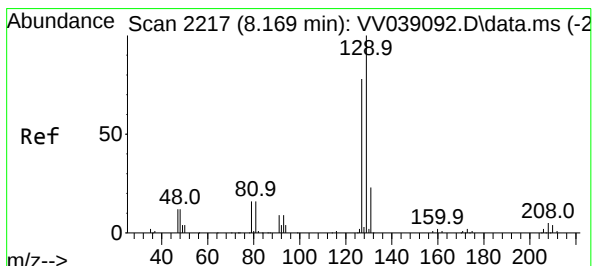
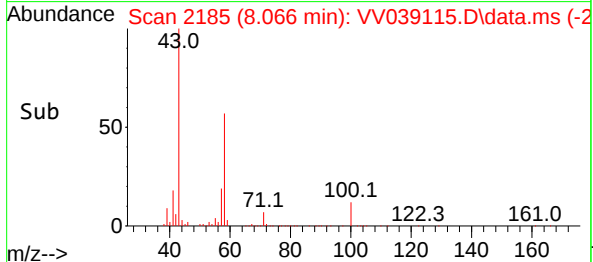
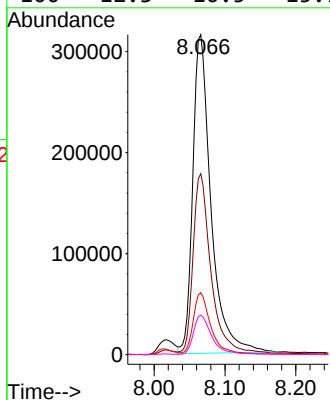
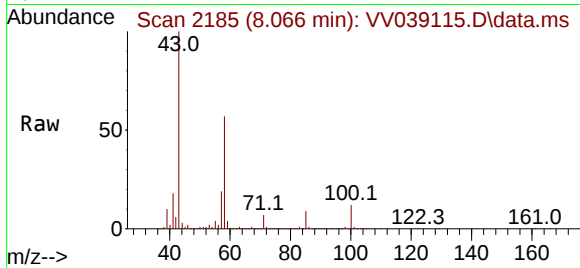




#48
2-Hexanone
Concen: 65.517 ug/L
RT: 8.066 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

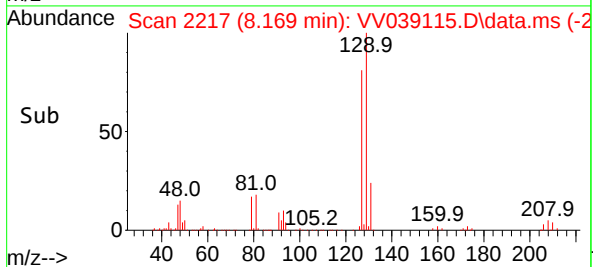
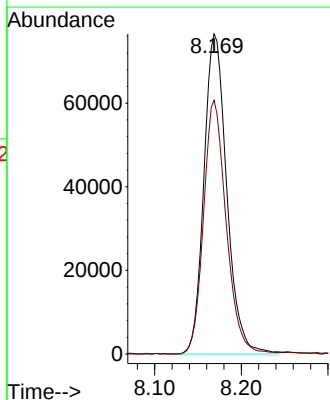
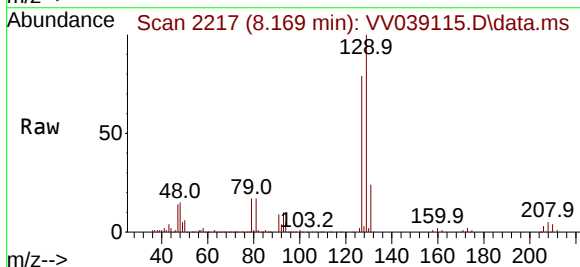
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

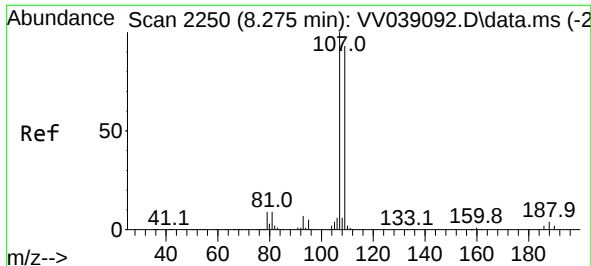
Tgt Ion: 43	Resp: 564996
Ion Ratio	Lower Upper
43 100	
58 55.1	45.6 68.4
57 18.7	15.6 23.4
100 12.3	10.5 15.7



#49
Dibromochloromethane
Concen: 5.568 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt	Ion:129	Resp:	140137
Ion	Ratio	Lower	Upper
129	100		
127	79.3	56.7	105.3





#50

1,2-Dibromoethane

Concen: 5.742 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MS

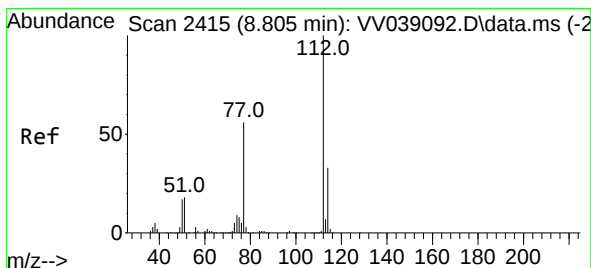
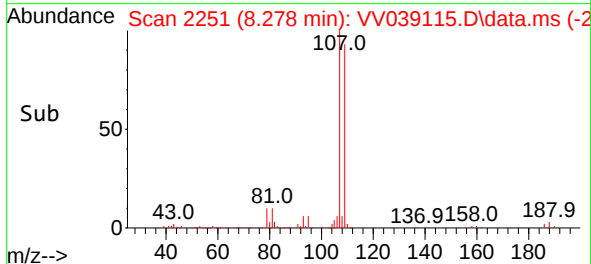
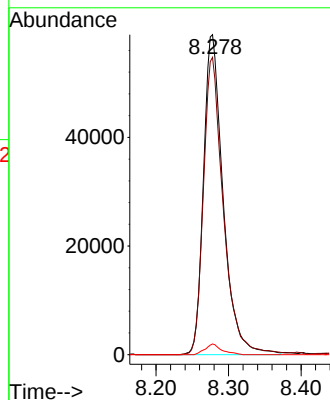
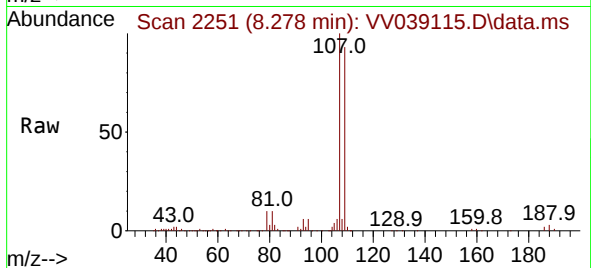
Tgt Ion:107 Resp: 110779

Ion Ratio Lower Upper

107 100

109 92.9 67.1 124.7

188 3.4 2.5 3.7



#51

Chlorobenzene

Concen: 5.595 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

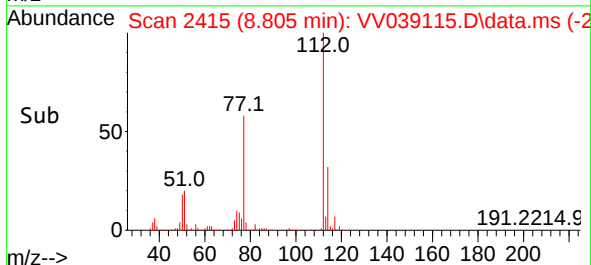
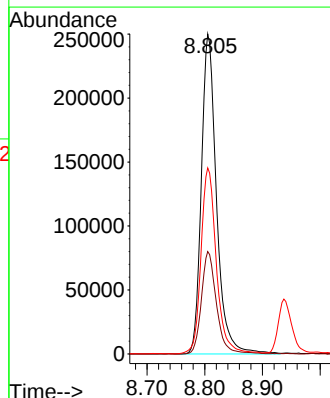
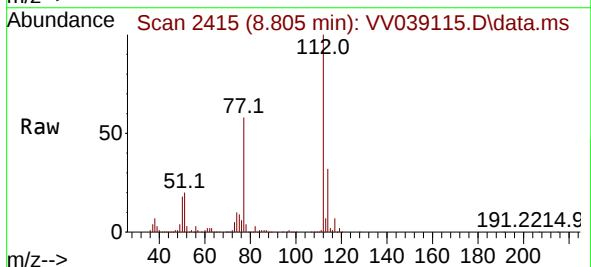
Tgt Ion:112 Resp: 454347

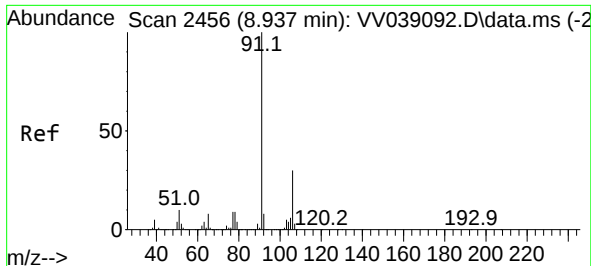
Ion Ratio Lower Upper

112 100

114 32.0 23.0 42.6

77 58.2 46.6 69.8

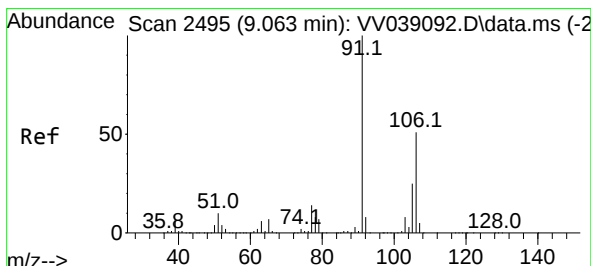
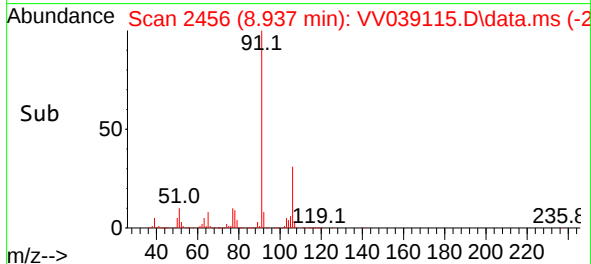
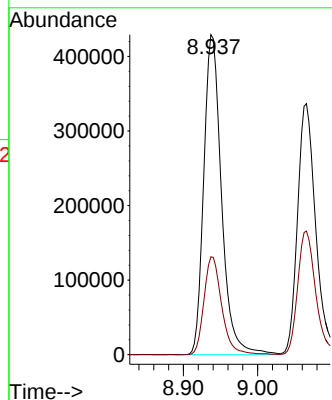
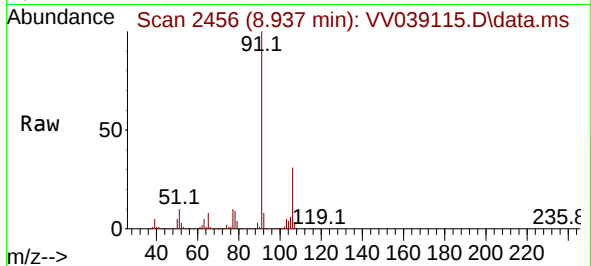




#52
Ethylbenzene
Concen: 5.487 ug/L
RT: 8.937 min Scan# 2456
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

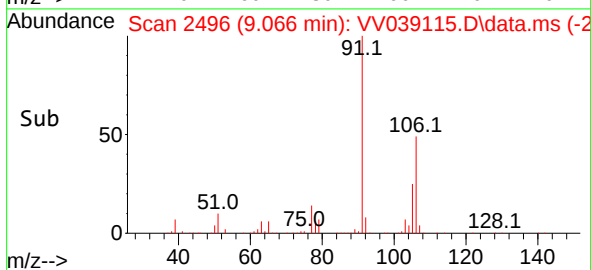
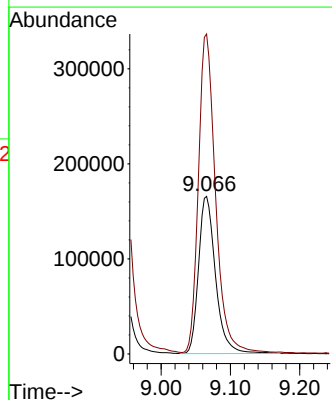
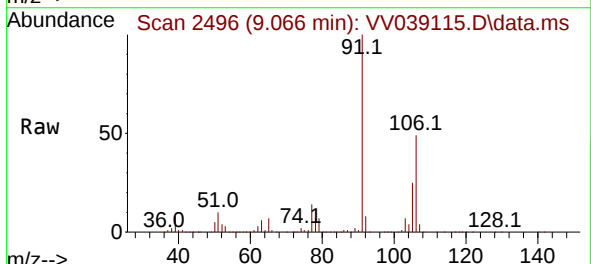
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

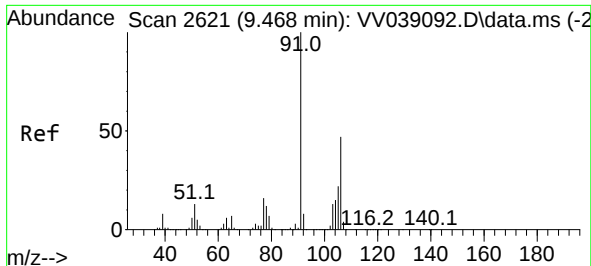
Tgt Ion: 91 Resp: 711270
Ion Ratio Lower Upper
91 100
106 30.6 20.8 38.6



#53
m,p-Xylene
Concen: 5.598 ug/L
RT: 9.066 min Scan# 2496
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 106 Resp: 282254
Ion Ratio Lower Upper
106 100
91 203.0 140.1 260.3

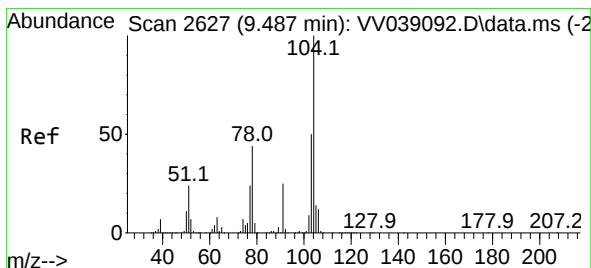
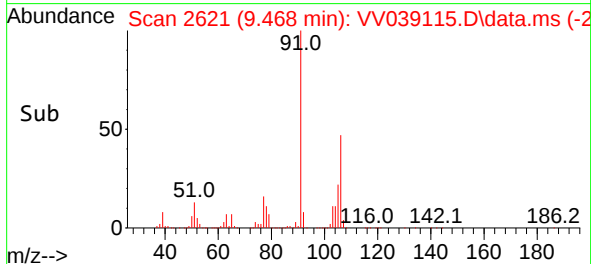
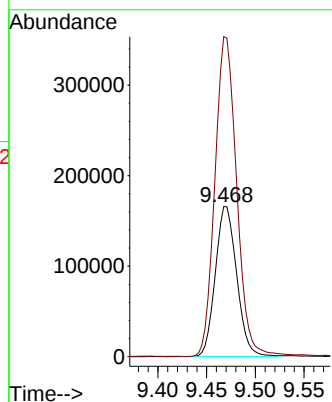
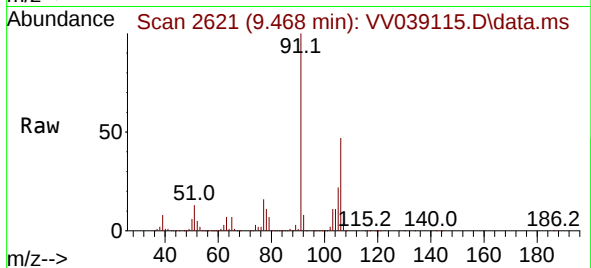




#54
o-Xylene
Concen: 5.480 ug/L
RT: 9.468 min Scan# 2621
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

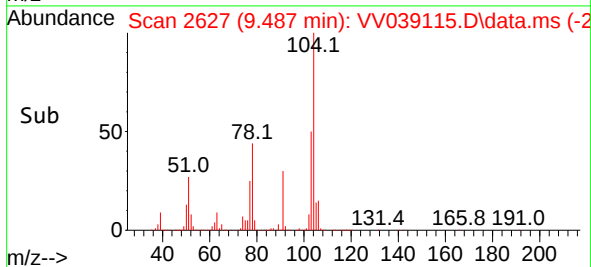
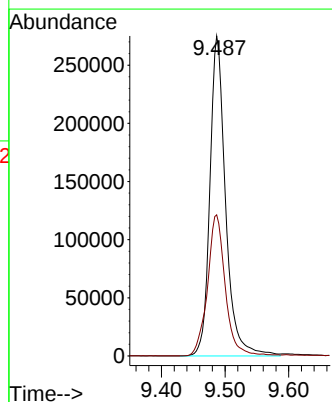
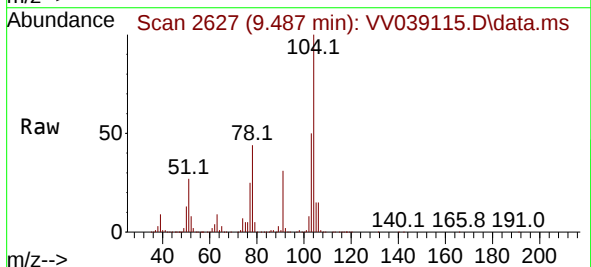
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

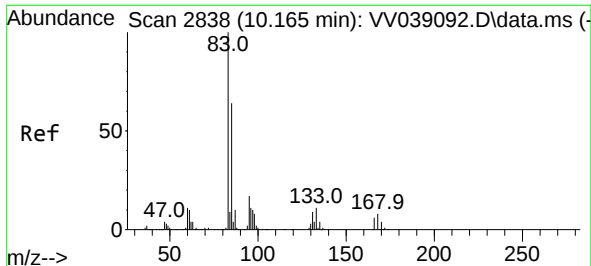
Tgt Ion:106 Resp: 253497
Ion Ratio Lower Upper
106 100
91 213.2 150.7 279.9



#55
Styrene
Concen: 5.782 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion:104 Resp: 472484
Ion Ratio Lower Upper
104 100
78 44.1 29.9 55.5

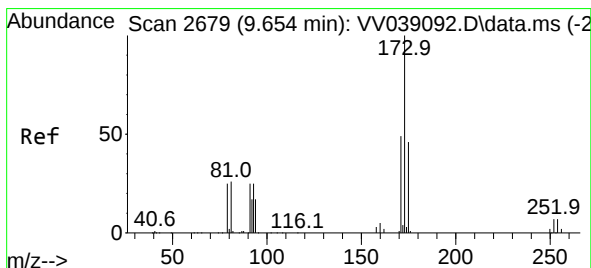
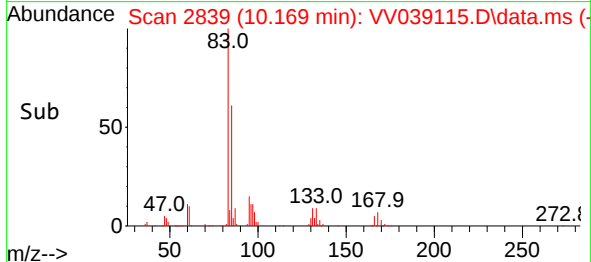
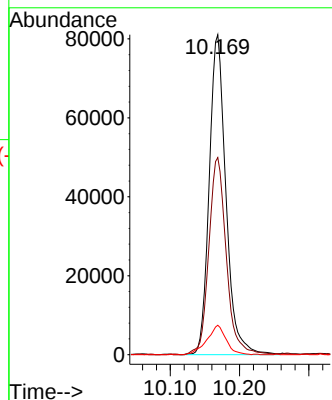
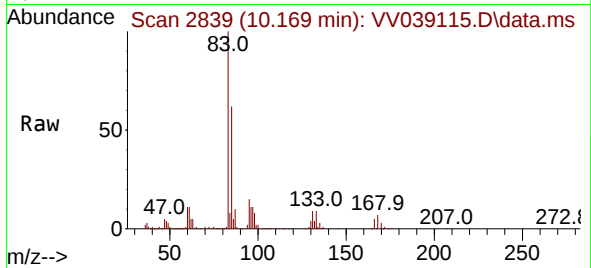




#57
1,1,2,2-Tetrachloroethane
Concen: 5.653 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

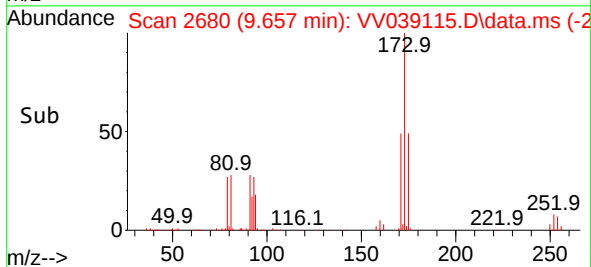
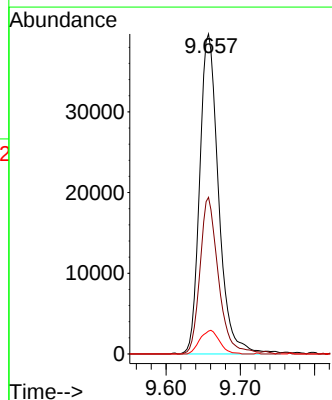
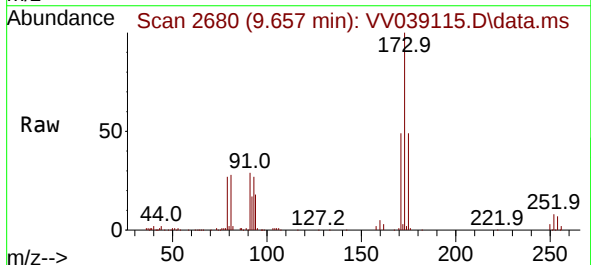
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

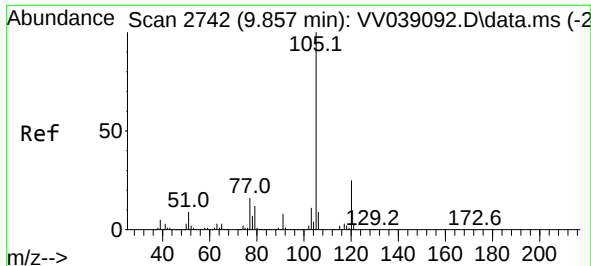
Tgt Ion: 83 Resp: 135466
Ion Ratio Lower Upper
83 100
85 61.6 45.4 84.4
131 9.2 7.2 10.8



#59
Bromoform
Concen: 5.558 ug/L
RT: 9.657 min Scan# 2680
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 173 Resp: 70211
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
254 7.7 6.8 10.2

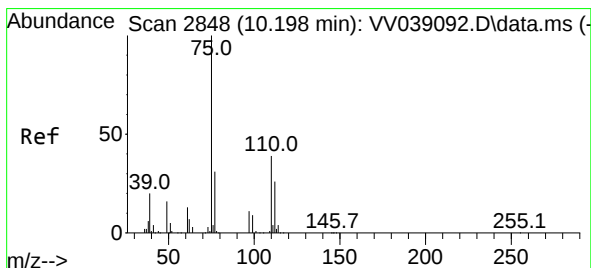
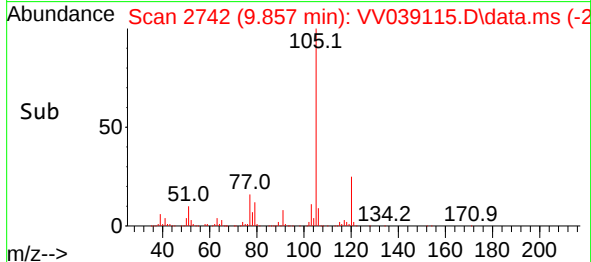
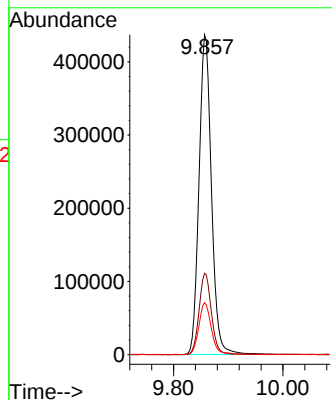
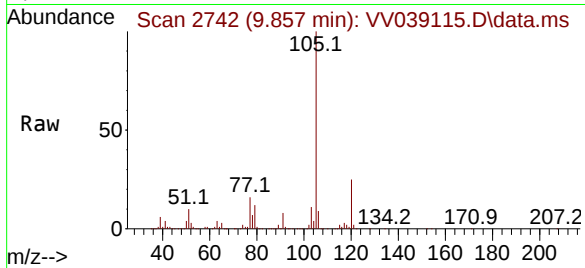




#60
Isopropylbenzene
Concen: 5.778 ug/L
RT: 9.857 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

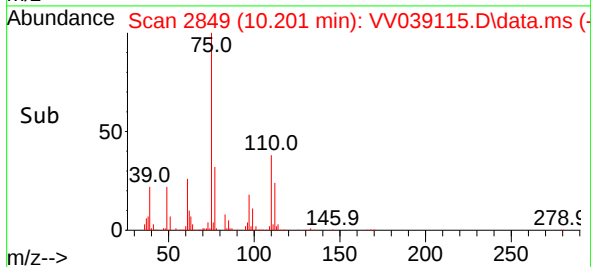
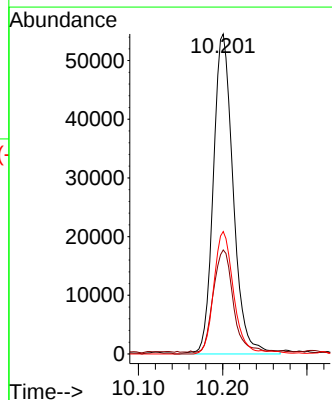
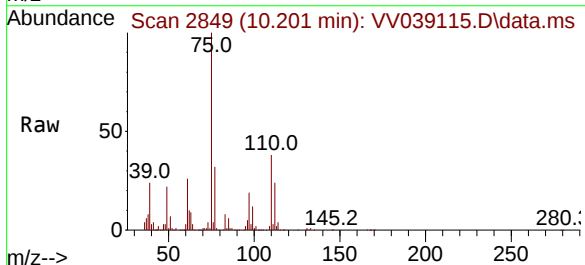
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

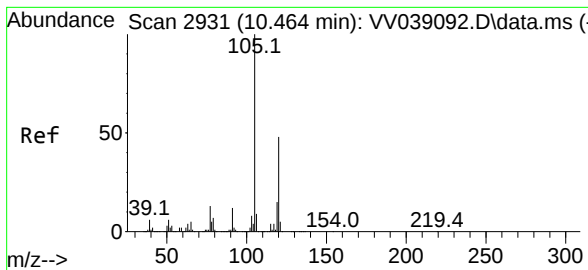
Tgt Ion:105 Resp: 688225
Ion Ratio Lower Upper
105 100
120 25.5 20.8 31.2
77 15.9 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 5.941 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 75 Resp: 89104
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
110 38.7 31.0 46.4

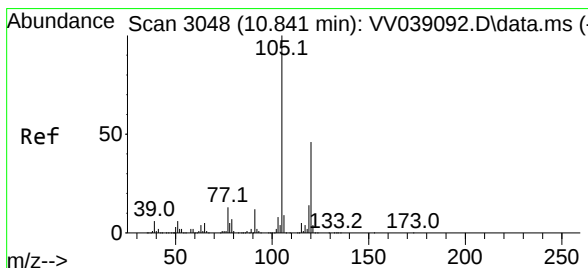
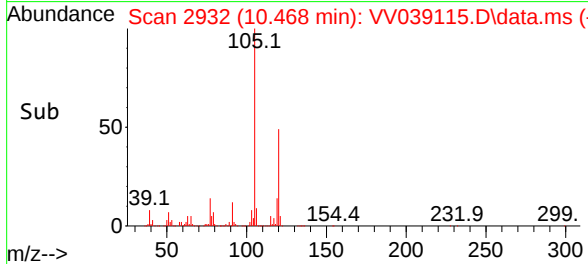
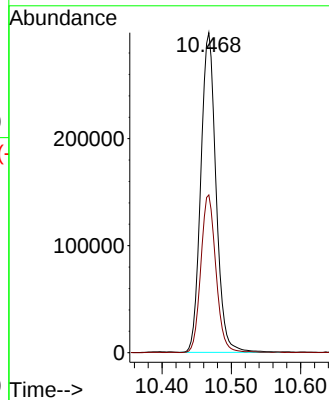
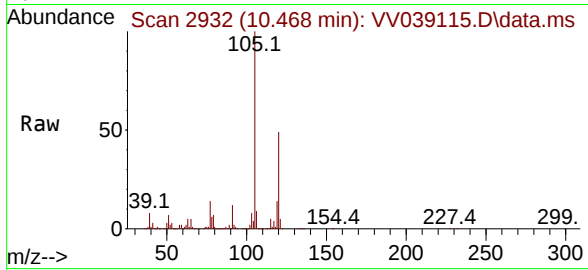




#62
1,3,5-Trimethylbenzene
Concen: 4.985 ug/L
RT: 10.468 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

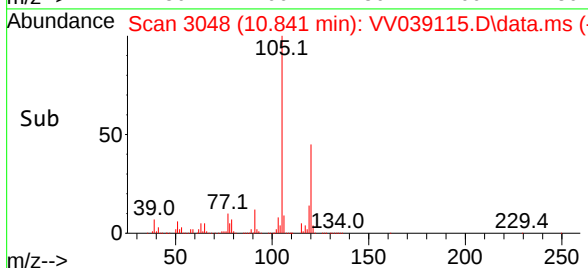
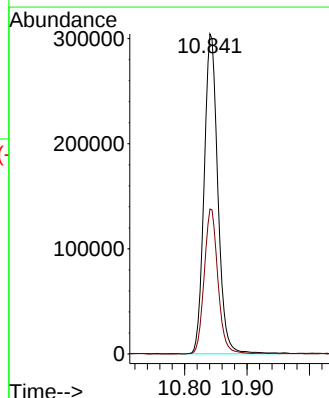
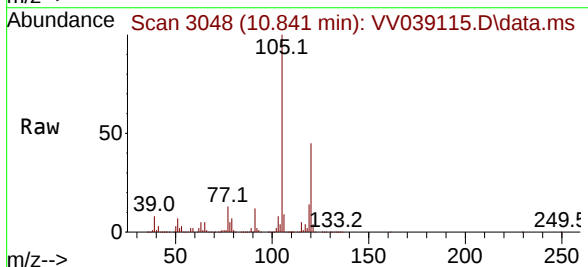
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

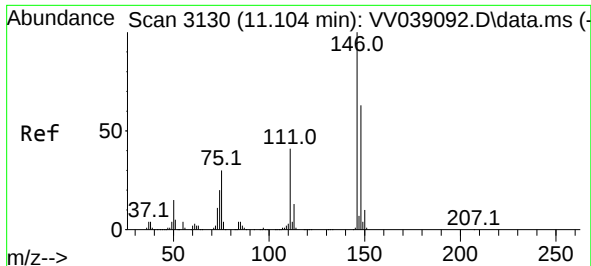
Tgt Ion:105 Resp: 455763
Ion Ratio Lower Upper
105 100
120 48.8 39.1 58.7



#63
1,2,4-Trimethylbenzene
Concen: 5.178 ug/L
RT: 10.841 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion:105 Resp: 465071
Ion Ratio Lower Upper
105 100
120 45.3 36.6 54.8

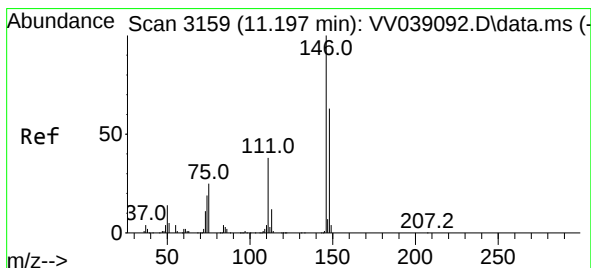
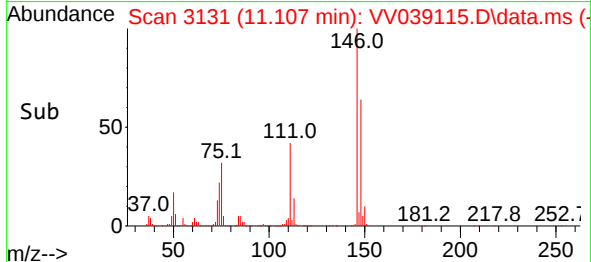
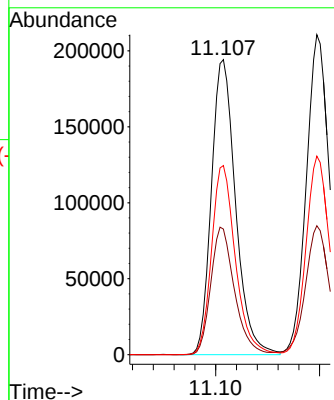
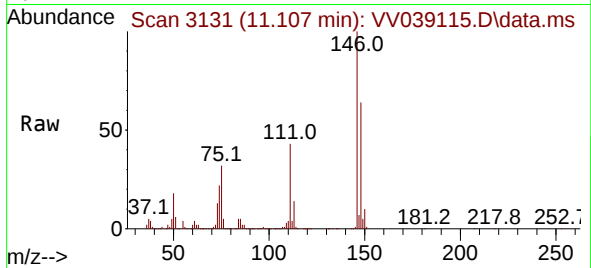




#64
1,3-Dichlorobenzene
Concen: 5.396 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

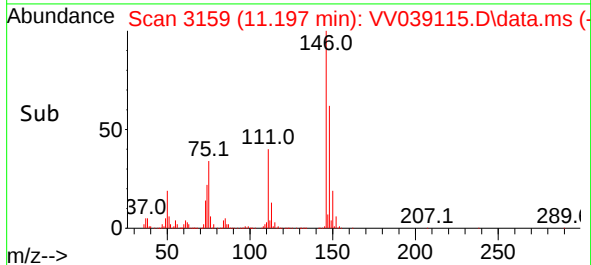
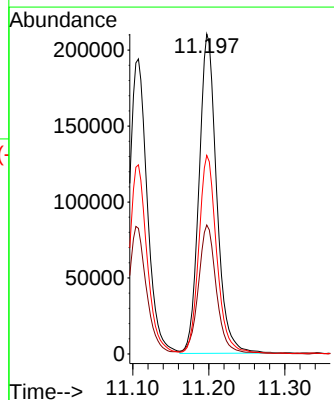
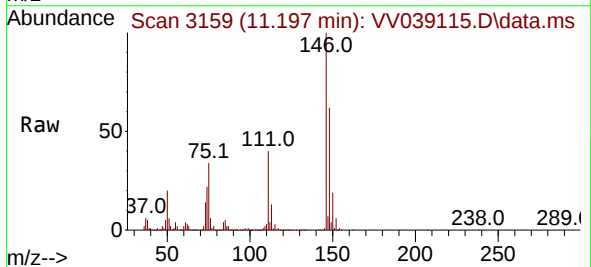
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

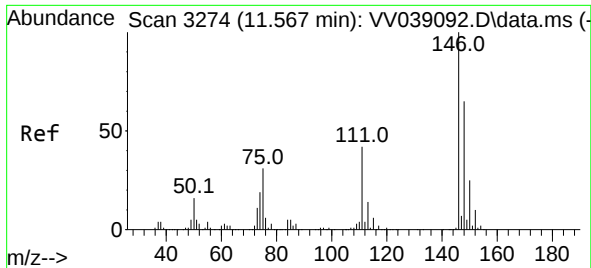
Tgt Ion:146 Resp: 313591
Ion Ratio Lower Upper
146 100
111 42.5 28.3 52.7
148 64.1 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 5.656 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion:146 Resp: 340017
Ion Ratio Lower Upper
146 100
111 40.3 27.2 50.6
148 62.1 43.8 81.4

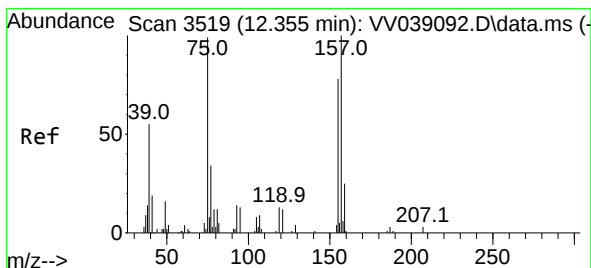
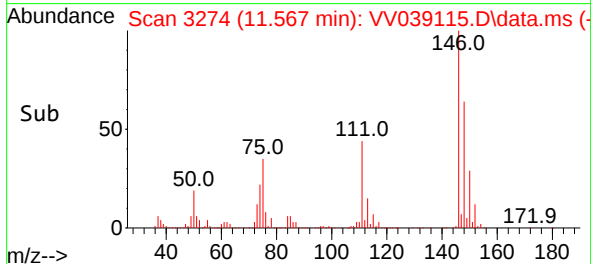
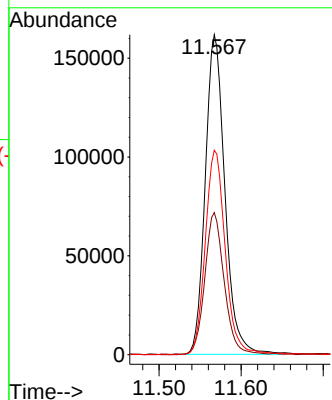
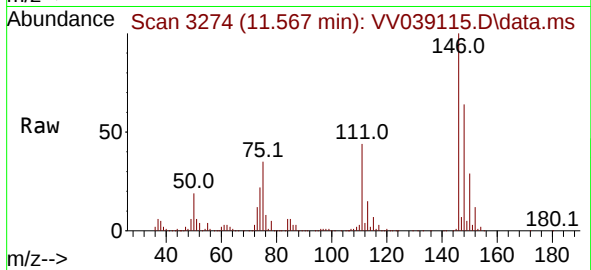




#67
1,2-Dichlorobenzene
Concen: 5.222 ug/L
RT: 11.567 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

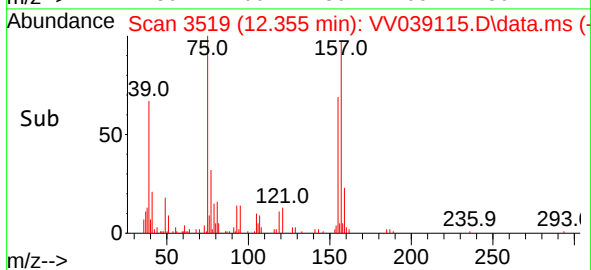
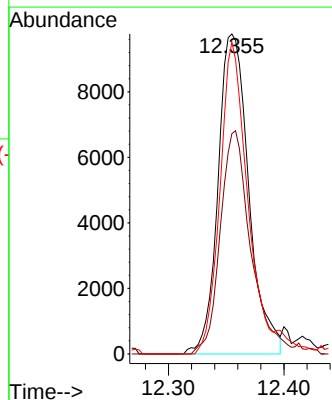
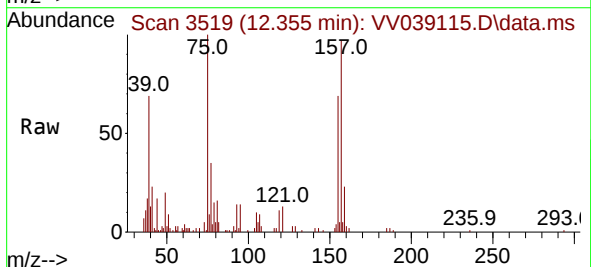
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MS

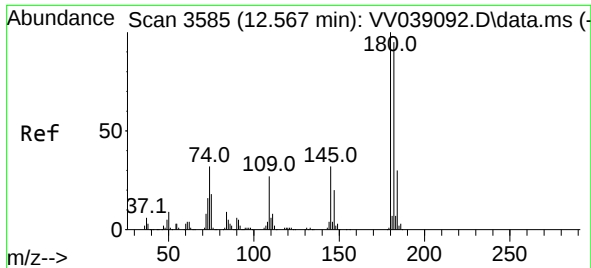
Tgt Ion:146 Resp: 268939
Ion Ratio Lower Upper
146 100
111 44.4 33.4 50.2
148 63.9 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.531 ug/L
RT: 12.355 min Scan# 3519
Delta R.T. -0.000 min
Lab File: VV039115.D
Acq: 16 Sep 2025 18:08

Tgt Ion: 75 Resp: 18073
Ion Ratio Lower Upper
75 100
155 68.9 59.4 89.0
157 97.4 76.2 114.2

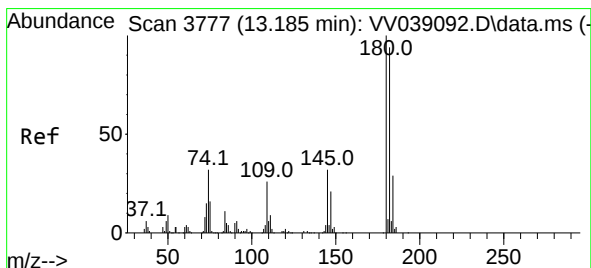
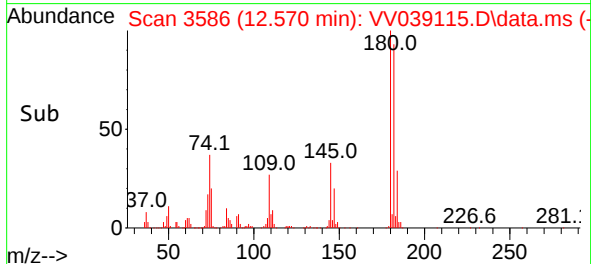
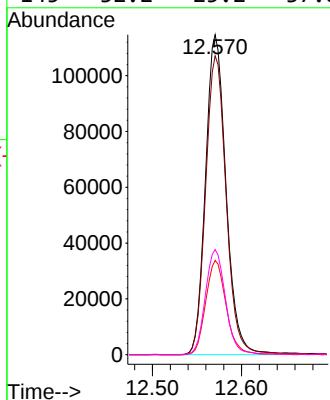
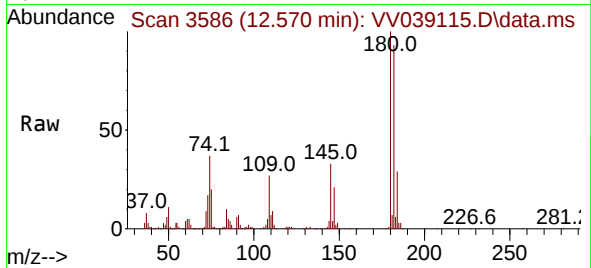




#69
 1,3,5-Trichlorobenzene
 Concen: 4.811 ug/L
 RT: 12.570 min Scan# 3586
 Delta R.T. 0.003 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

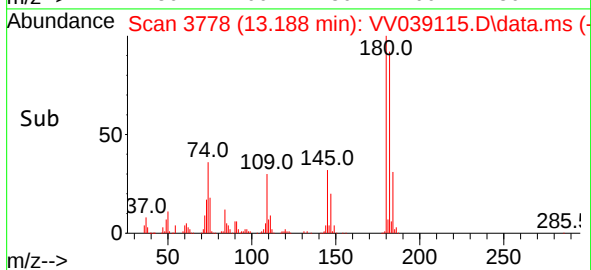
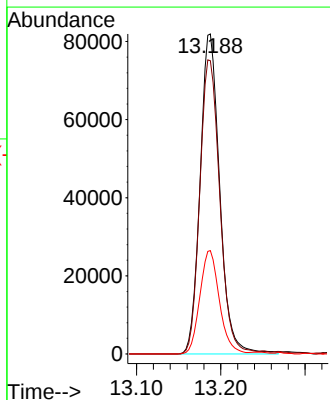
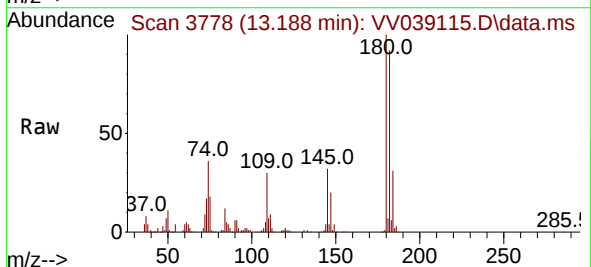
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MS

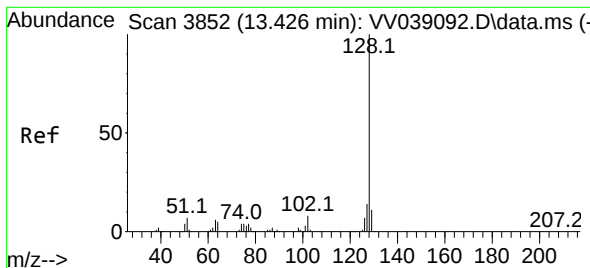
Tgt Ion:180	Resp:	183219
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.3 114.5
184	29.5	24.0 36.0
145	32.2	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.637 ug/L
 RT: 13.188 min Scan# 3778
 Delta R.T. 0.003 min
 Lab File: VV039115.D
 Acq: 16 Sep 2025 18:08

Tgt Ion:180	Resp:	132955
Ion Ratio	Lower	Upper
180	100	
182	93.3	73.2 109.8
145	32.2	25.0 37.4





#71

Naphthalene

Concen: 4.629 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MS

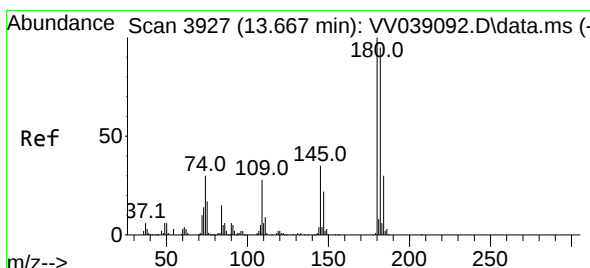
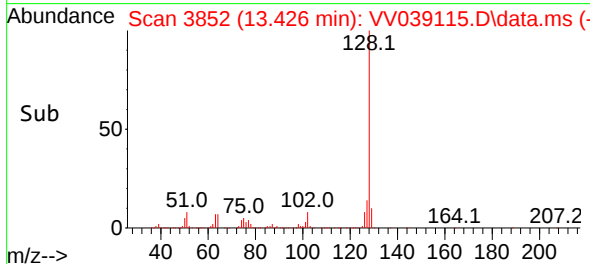
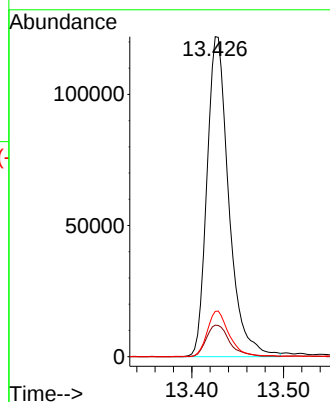
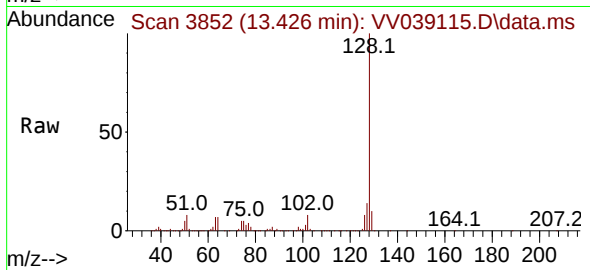
Tgt Ion:128 Resp: 202259

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

127 14.3 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.777 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV039115.D

Acq: 16 Sep 2025 18:08

Tgt Ion:180 Resp: 122115

Ion Ratio Lower Upper

180 100

182 97.3 76.6 115.0

145 35.8 27.4 41.2

