

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091625\
 Data File : VV039116.D
 Acq On : 16 Sep 2025 18:30
 Operator : SY/MD
 Sample : Q3084-20MSD 100X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Sep 17 02:27:09 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	347869	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	360487	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	175899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	107519	3.919	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.400%
7) Chloroethane-d5	1.545	69	104196	4.382	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.600%
11) 1,1-Dichloroethene-d2	2.072	65	50642	3.875	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	3.793	46	247922	60.840	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.680%
24) Chloroform-d	4.256	84	268725	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	4.947	65	118686	5.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
32) Benzene-d6	4.963	84	463007	4.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.800%
36) 1,2-Dichloropropane-d6	5.989	67	141998	4.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.239	98	414522	4.694	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.800%
43) trans-1,3-Dichloroprop...	7.551	79	52766	4.893	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.800%
46) 2-Hexanone-d5	8.018	63	191707	54.910	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.820%
56) 1,1,2,2-Tetrachloroeth...	10.143	84	109268	5.191	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.800%
66) 1,2-Dichlorobenzene-d4	11.548	152	124197	4.387	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	191349	5.246	ug/L	99
3) Chloromethane	1.227	50	195278	5.452	ug/L	98
5) Vinyl chloride	1.294	62	216559	5.685	ug/L	98
6) Bromomethane	1.497	94	117798	5.422	ug/L	97
8) Chloroethane	1.561	64	133364	5.619	ug/L	96
9) Trichlorofluoromethane	1.725	101	290826	5.668	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	173733	5.496	ug/L	98
12) 1,1-Dichloroethene	2.082	96	226318	7.924	ug/L	88
13) Acetone	2.121	43	212231	61.911	ug/L	99
14) Carbon disulfide	2.252	76	535441	5.480	ug/L	98
15) Methyl Acetate	2.391	43	56019	6.508	ug/L	97
16) Methylene chloride	2.458	84	175140	5.448	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	282418	5.751	ug/L	98
18) trans-1,2-Dichloroethene	2.706	96	162447	5.588	ug/L	93
19) 1,1-Dichloroethane	3.117	63	1352627	25.366	ug/L	98
21) 2-Butanone	3.873	43	295716	65.034	ug/L	96
22) cis-1,2-Dichloroethene	3.822	96	266479	9.391	ug/L	94
23) Bromochloromethane	4.153	128	71989	5.546	ug/L	87
25) Chloroform	4.281	83	332401	6.016	ug/L	97

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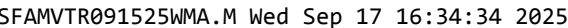
Instrument :
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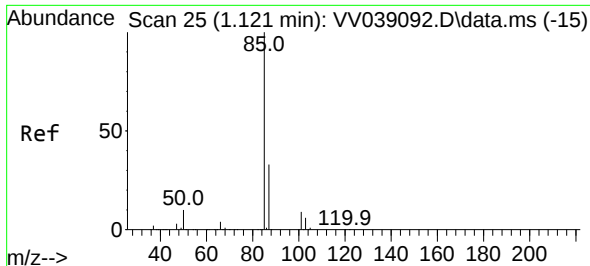
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	193688	6.832	ug/L	99
29) 1,1,1-Trichloroethane	4.516	97	292686	5.896	ug/L	98
30) Cyclohexane	4.587	56	250258	5.685	ug/L	98
31) Carbon tetrachloride	4.738	117	245361	5.454	ug/L	99
33) Benzene	5.011	78	694894	6.124	ug/L	100
34) Trichloroethene	5.831	95	341095	11.152	ug/L	97
35) Methylcyclohexane	6.050	83	252851	5.283	ug/L	98
37) 1,2-Dichloropropane	6.092	63	179420	6.097	ug/L	98
38) Bromodichloromethane	6.432	83	225697	5.900	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	218943	5.608	ug/L	99
40) 4-Methyl-2-pentanone	7.149	43	790880	67.831	ug/L	97
42) Toluene	7.310	91	716393	6.058	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	193270	6.092	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	122733	6.073	ug/L	97
47) Tetrachloroethene	7.899	164	129342	5.410	ug/L	97
48) 2-Hexanone	8.066	43	569612	70.275	ug/L	97
49) Dibromochloromethane	8.169	129	139869	5.913	ug/L	94
50) 1,2-Dibromoethane	8.275	107	111418	6.145	ug/L	94
51) Chlorobenzene	8.805	112	426418	5.587	ug/L	96
52) Ethylbenzene	8.940	91	695011	5.704	ug/L	98
53) m,p-Xylene	9.066	106	266566	5.625	ug/L	94
54) o-Xylene	9.471	106	241295	5.550	ug/L	98
55) Styrene	9.487	104	458879	5.974	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	133141	5.911	ug/L	99
59) Bromoform	9.657	173	64941	5.204	ug/L	99
60) Isopropylbenzene	9.857	105	661642	5.623	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	90136	6.083	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	471958	5.225	ug/L	100
63) 1,2,4-Trimethylbenzene	10.841	105	483918	5.454	ug/L	98
64) 1,3-Dichlorobenzene	11.107	146	322416	5.616	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	331576	5.583	ug/L	100
67) 1,2-Dichlorobenzene	11.567	146	277608	5.457	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.355	75	18233	5.648	ug/L	94
69) 1,3,5-Trichlorobenzene	12.570	180	186259	4.951	ug/L	99
70) 1,2,4-trichlorobenzene	13.185	180	147122	5.194	ug/L	98
71) Naphthalene	13.426	128	220026	5.097	ug/L	98
72) 1,2,3-Trichlorobenzene	13.667	180	140821	5.576	ug/L	99

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

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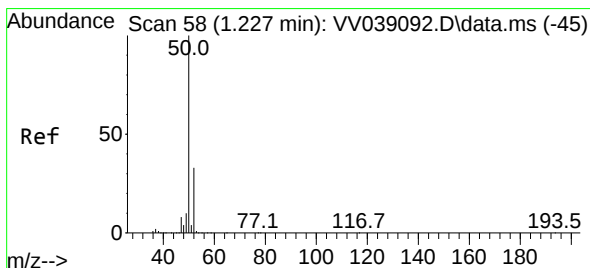
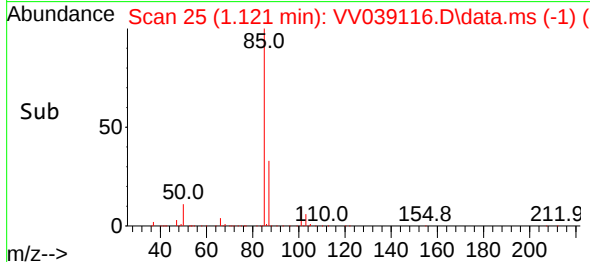
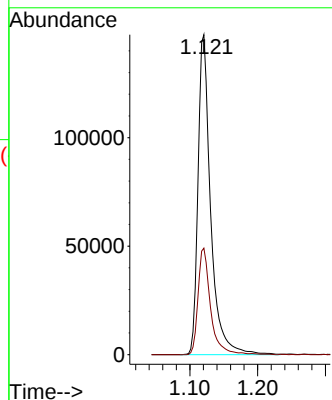
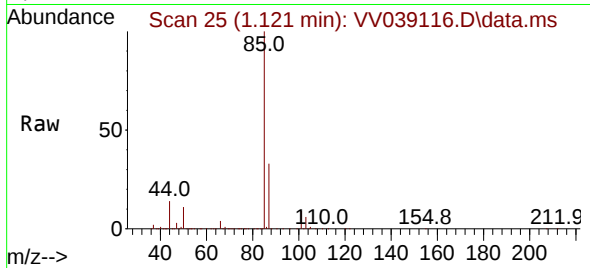




#2
 Dichlorodifluoromethane
 Concen: 5.246 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

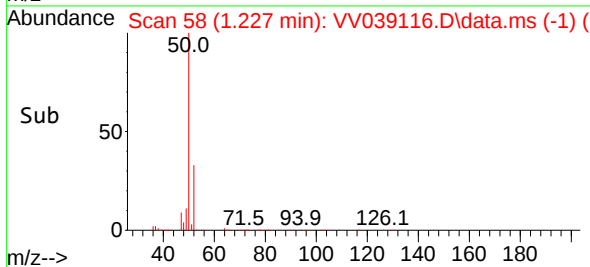
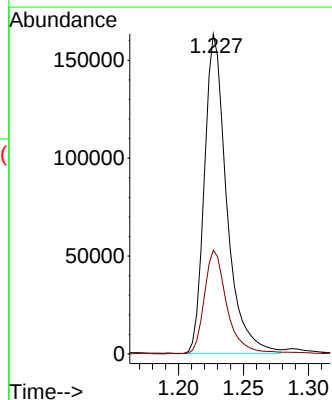
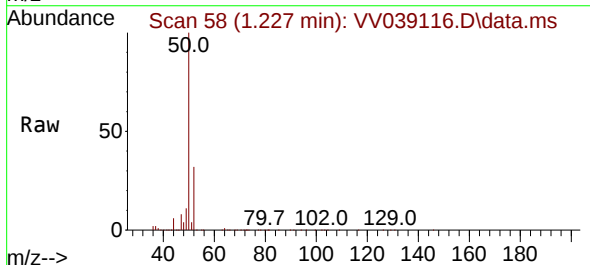
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 PMW-2(20250911)MSD

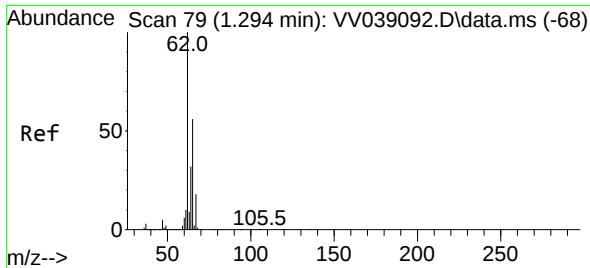
Tgt Ion: 85 Resp: 191349
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9



#3
 Chloromethane
 Concen: 5.452 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

Tgt Ion: 50 Resp: 195278
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.4 43.6

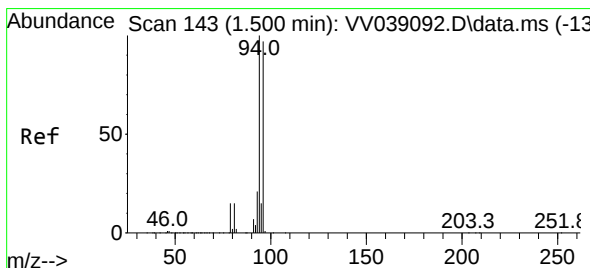
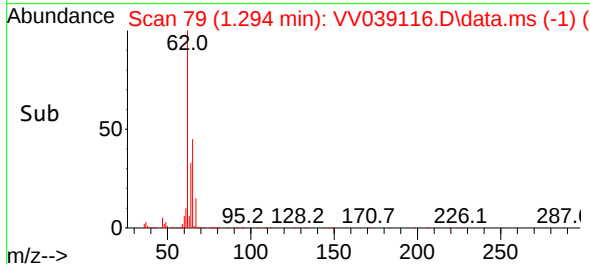
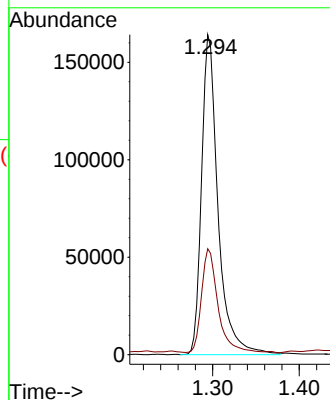
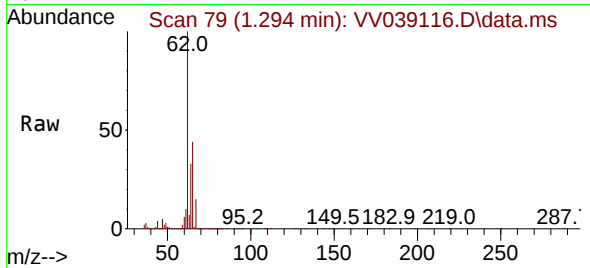




#5
 Vinyl chloride
 Concen: 5.685 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

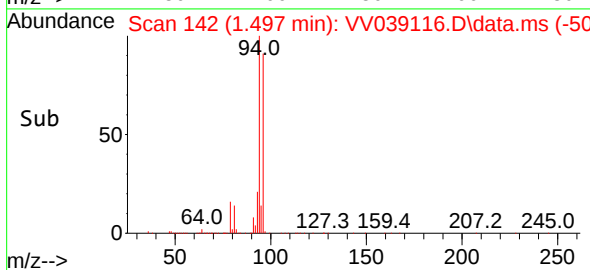
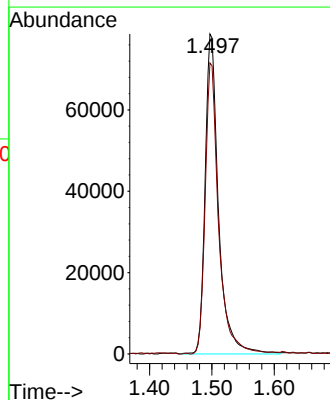
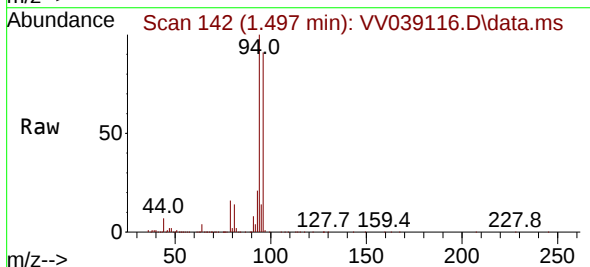
Instrument :
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 ClientSampleId :
 PMW-2(20250911)MSD

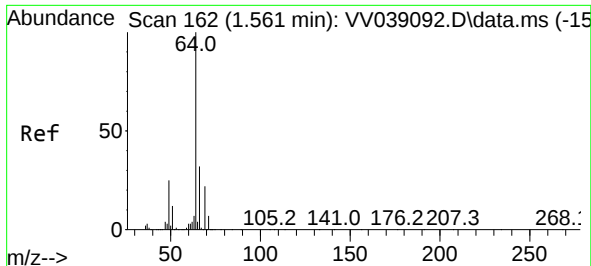
Tgt Ion: 62 Resp: 216559
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.4 41.6



#6
 Bromomethane
 Concen: 5.422 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. -0.003 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

Tgt Ion: 94 Resp: 117798
 Ion Ratio Lower Upper
 94 100
 96 90.9 65.9 122.5

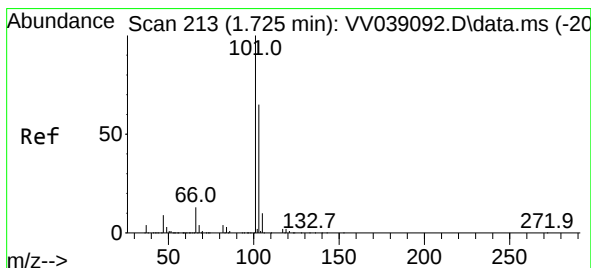
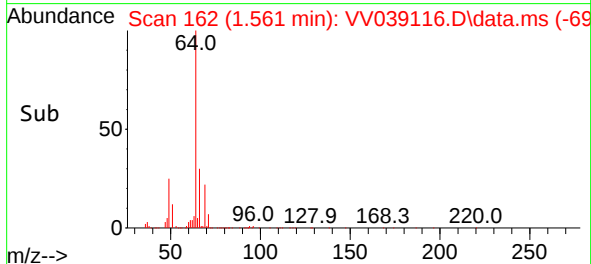
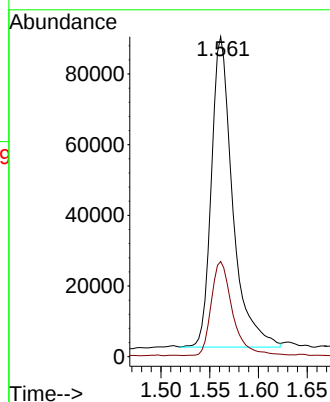
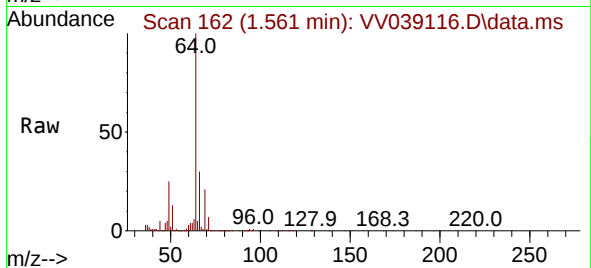




#8
Chloroethane
Concen: 5.619 ug/L
RT: 1.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

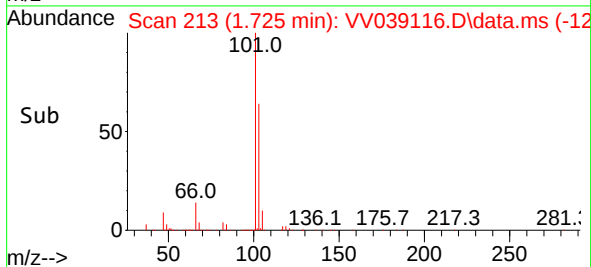
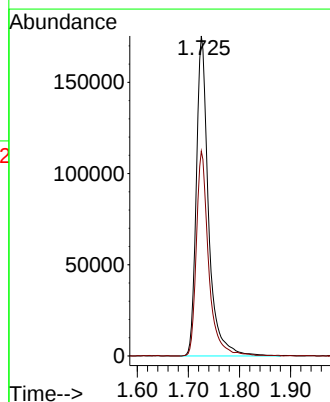
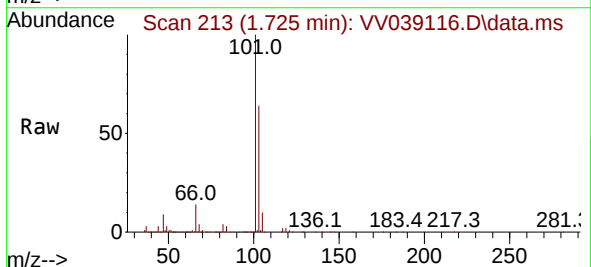
Instrument :
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PMW-2(20250911)MSD

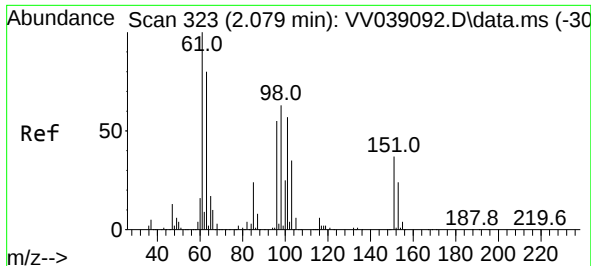
Tgt Ion: 64 Resp: 133364
Ion Ratio Lower Upper
64 100
66 29.8 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.668 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:101 Resp: 290826
Ion Ratio Lower Upper
101 100
103 64.4 50.7 76.1





#10

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

Concen: 5.496 ug/L

RT: 2.082 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

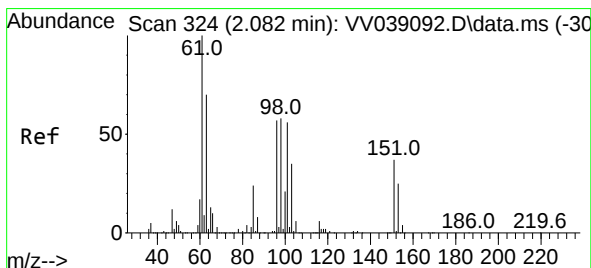
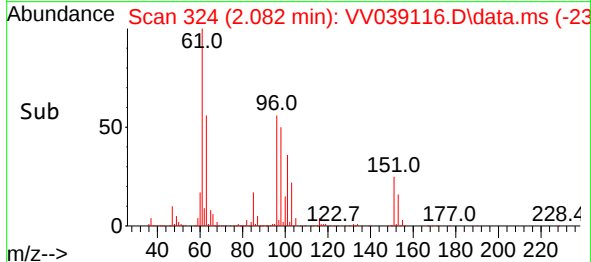
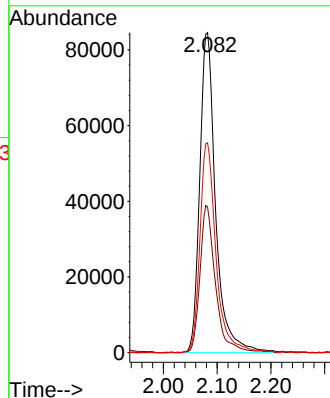
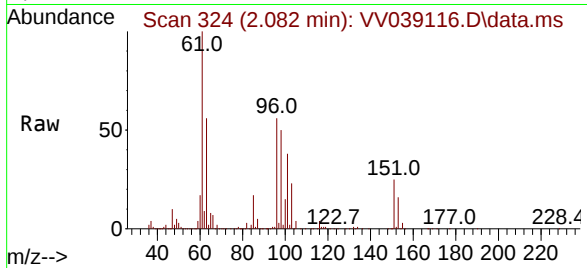
Tgt Ion:101 Resp: 173733

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.0

151 66.6 55.4 83.0



#12

1,1-Dichloroethene

Concen: 7.924 ug/L

RT: 2.082 min Scan# 324

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

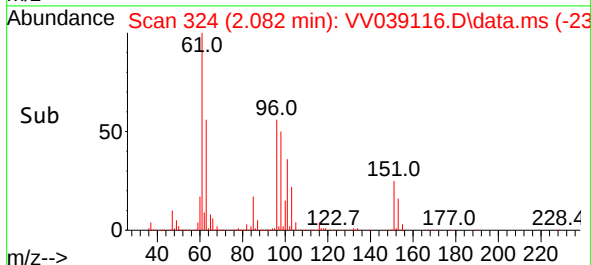
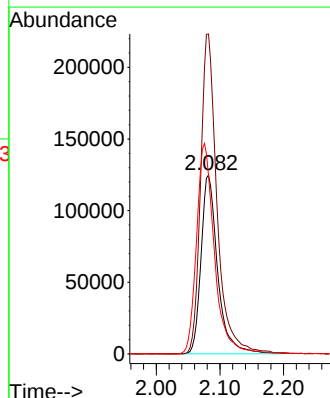
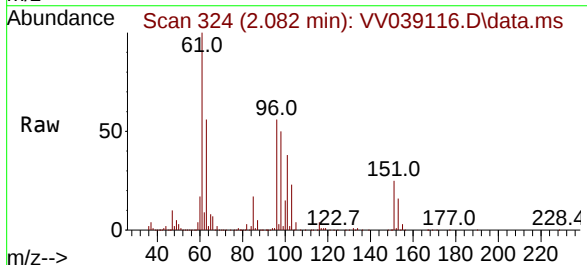
Tgt Ion: 96 Resp: 226318

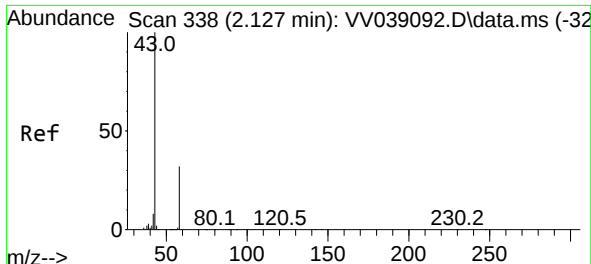
Ion Ratio Lower Upper

96 100

61 178.7 124.7 231.7

63 99.8 93.5 173.7





#13

Acetone

Concen: 61.911 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

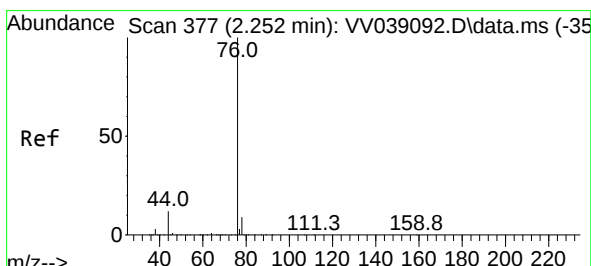
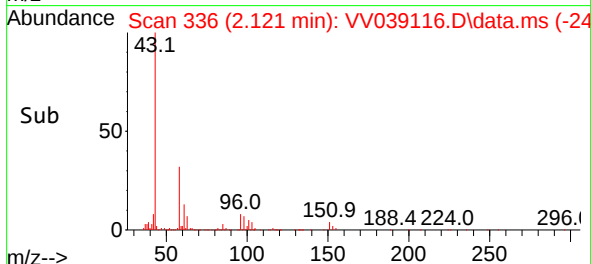
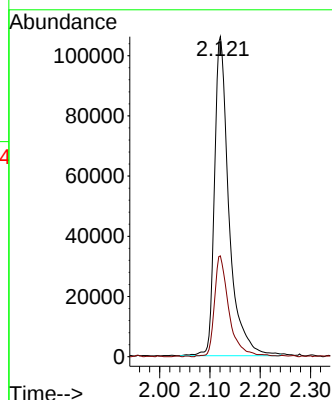
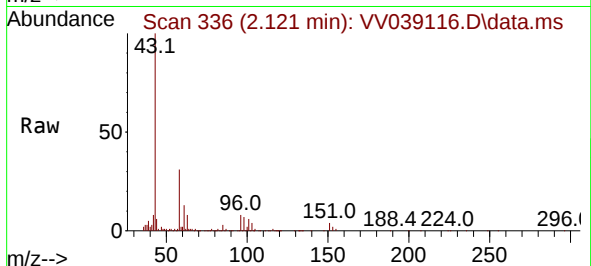
PMW-2(20250911)MSD

Tgt Ion: 43 Resp: 212231

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



#14

Carbon disulfide

Concen: 5.480 ug/L

RT: 2.252 min Scan# 377

Delta R.T. -0.000 min

Lab File: VV039116.D

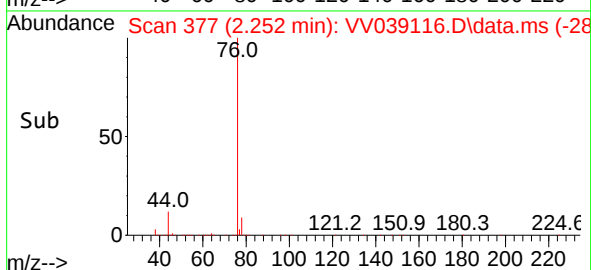
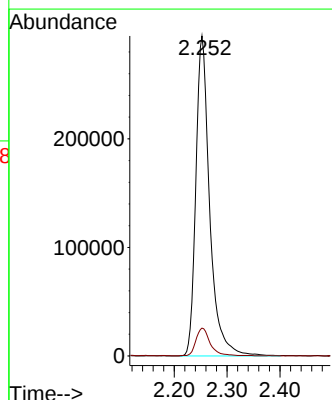
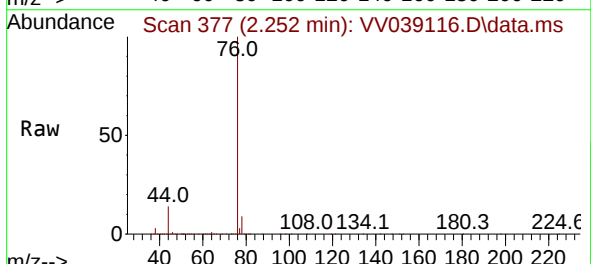
Acq: 16 Sep 2025 18:30

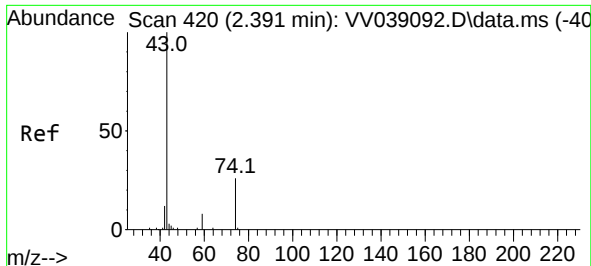
Tgt Ion: 76 Resp: 535441

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

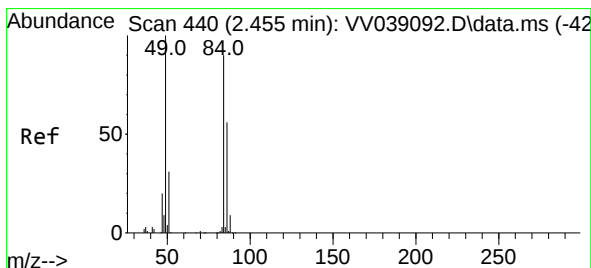
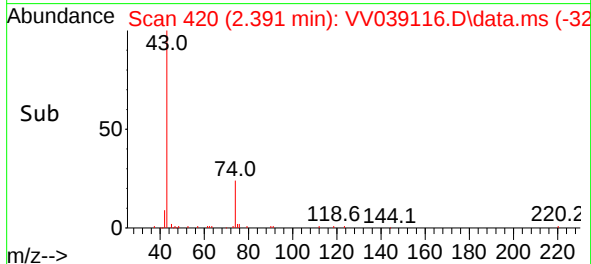
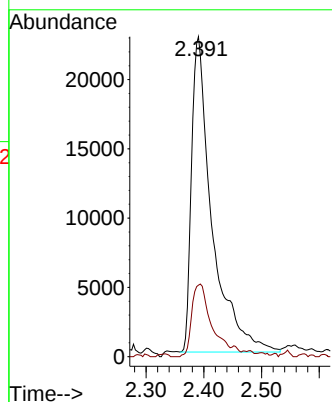
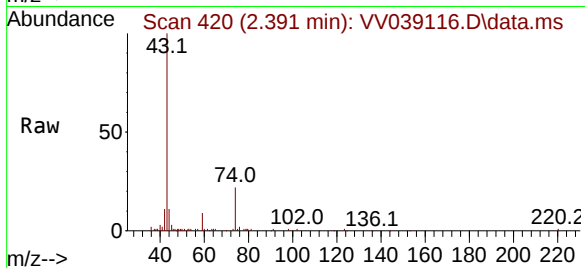




#15
Methyl Acetate
Concen: 6.508 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

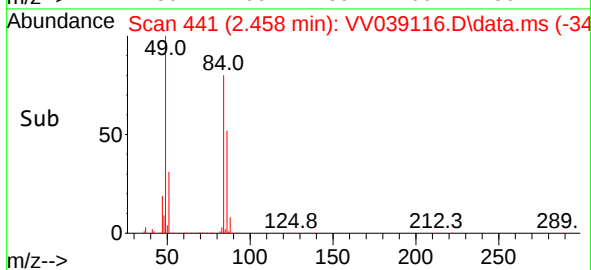
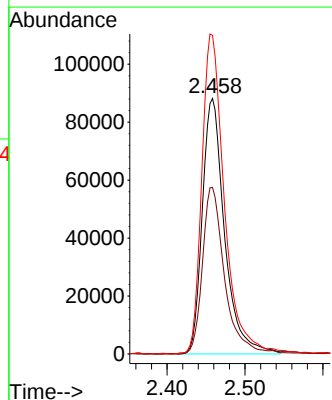
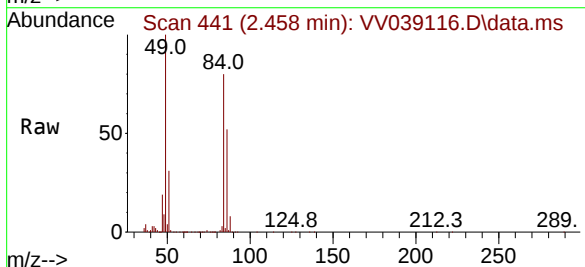
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

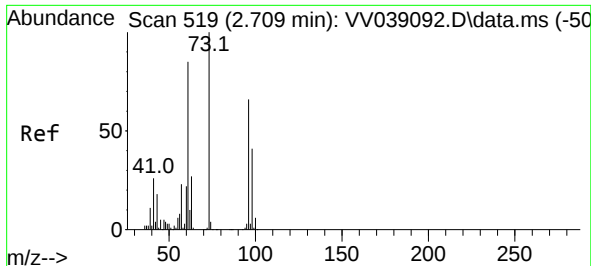
Tgt Ion: 43 Resp: 56019
Ion Ratio Lower Upper
43 100
74 21.9 18.8 28.2



#16
Methylene chloride
Concen: 5.448 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion: 84 Resp: 175140
Ion Ratio Lower Upper
84 100
86 65.2 44.2 82.2
49 124.7 80.6 149.6

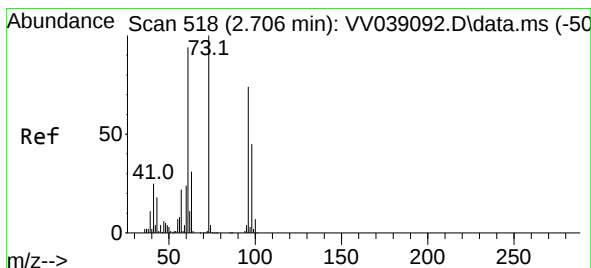
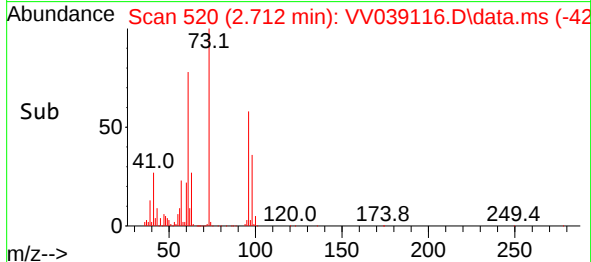
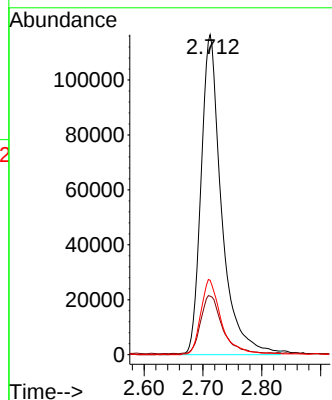
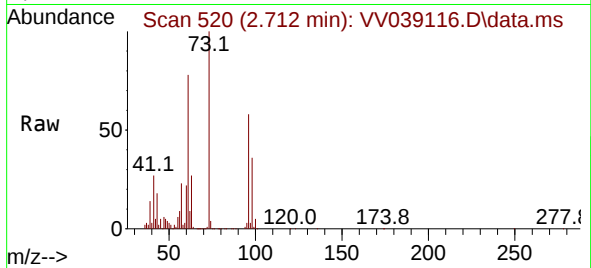




#17
Methyl tert-butyl Ether
Concen: 5.751 ug/L
RT: 2.712 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

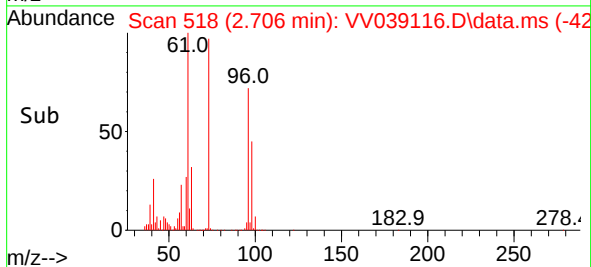
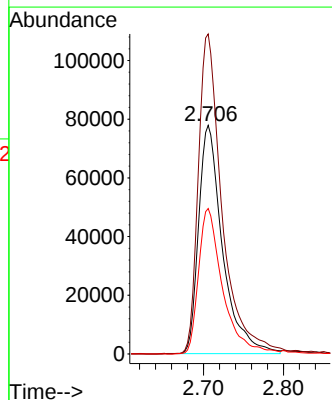
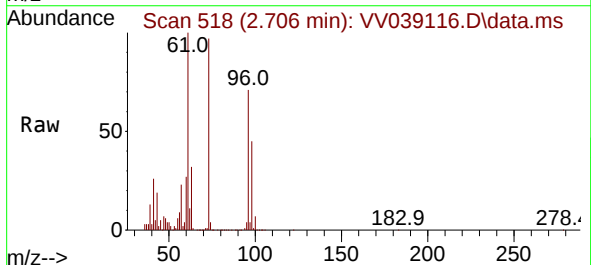
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

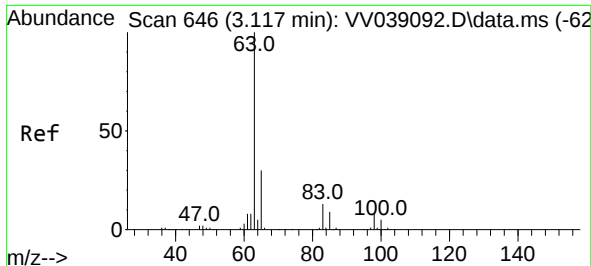
Tgt Ion: 73 Resp: 282418
Ion Ratio Lower Upper
73 100
43 19.1 14.7 22.1
57 23.7 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 5.588 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion: 96 Resp: 162447
Ion Ratio Lower Upper
96 100
61 140.0 89.7 166.5
98 63.6 44.9 83.3





#19

1,1-Dichloroethane

Concen: 25.366 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

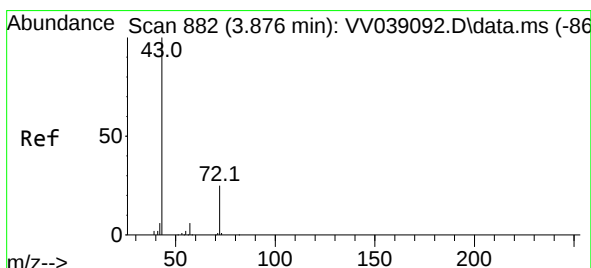
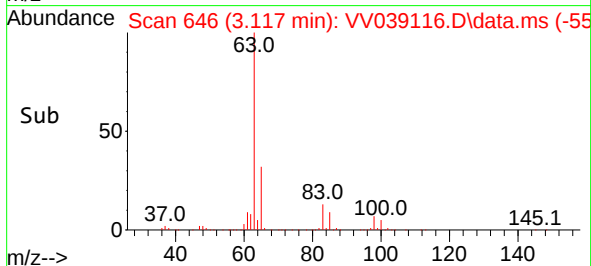
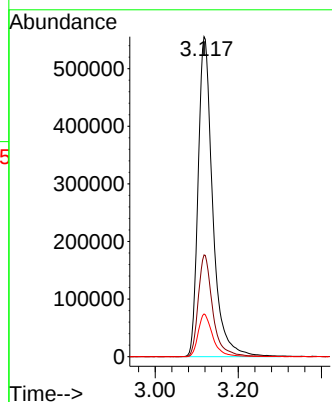
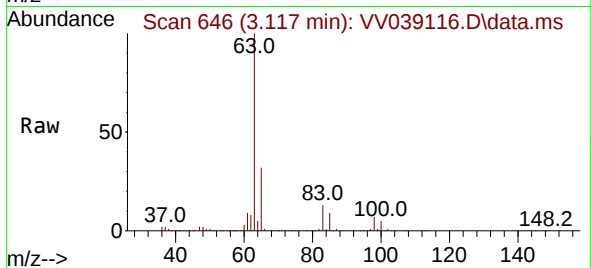
Tgt Ion: 63 Resp: 1352627

Ion Ratio Lower Upper

63 100

65 31.8 21.5 39.9

83 13.4 9.2 17.2



#21

2-Butanone

Concen: 65.034 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.003 min

Lab File: VV039116.D

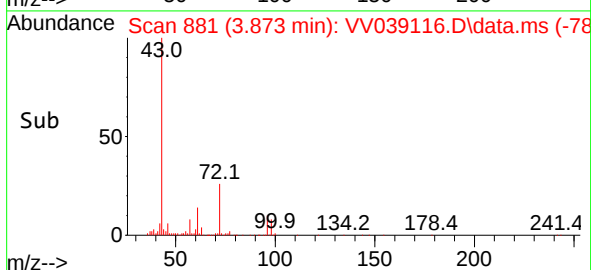
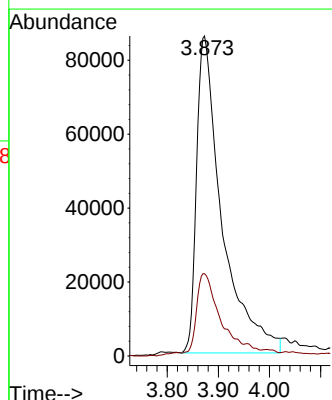
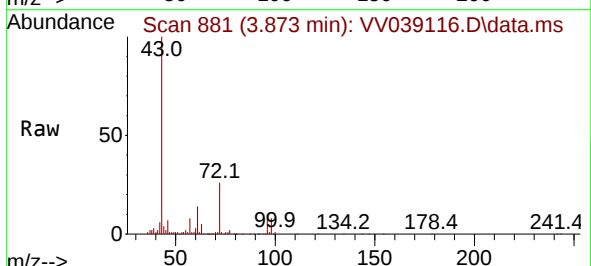
Acq: 16 Sep 2025 18:30

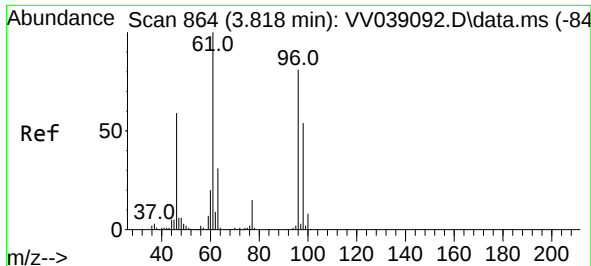
Tgt Ion: 43 Resp: 295716

Ion Ratio Lower Upper

43 100

72 22.1 12.0 36.0

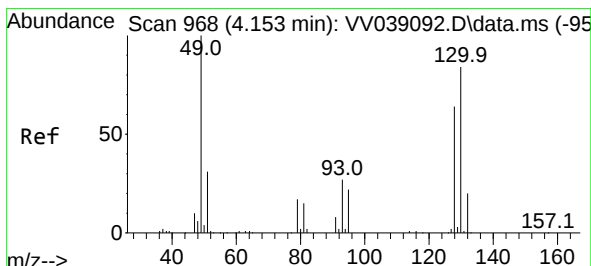
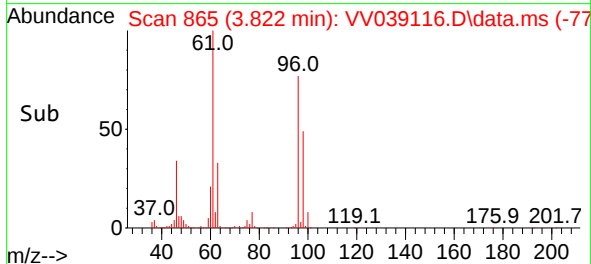
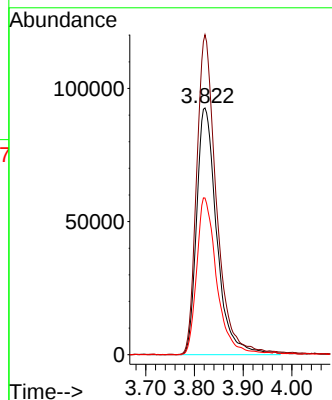
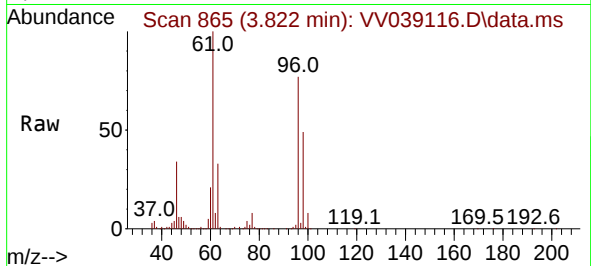




#22
 cis-1,2-Dichloroethene
 Concen: 9.391 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

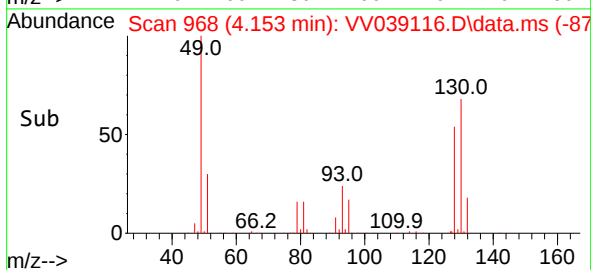
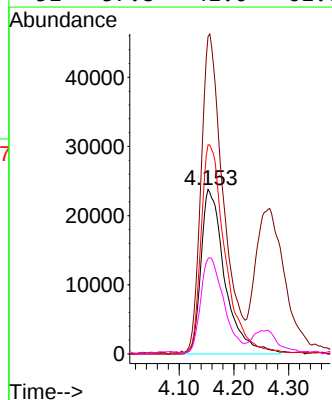
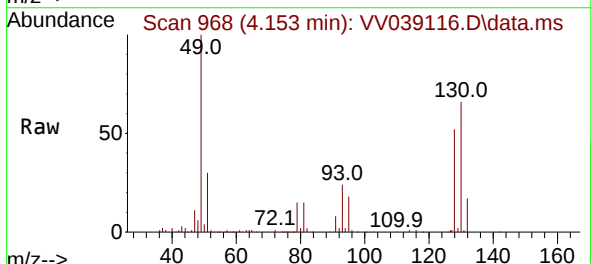
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MSD

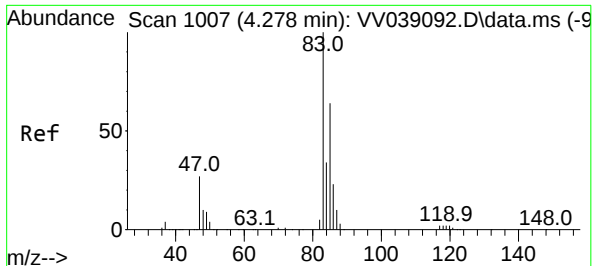
Tgt Ion: 96 Resp: 266479
 Ion Ratio Lower Upper
 96 100
 61 129.7 85.4 158.6
 98 63.5 46.6 86.6



#23
 Bromochloromethane
 Concen: 5.546 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

Tgt Ion: 128 Resp: 71989
 Ion Ratio Lower Upper
 128 100
 49 192.9 115.3 214.1
 130 127.1 93.2 173.0
 51 57.8 41.0 61.6





#25

Chloroform

Concen: 6.016 ug/L

RT: 4.281 min Scan# 1007

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

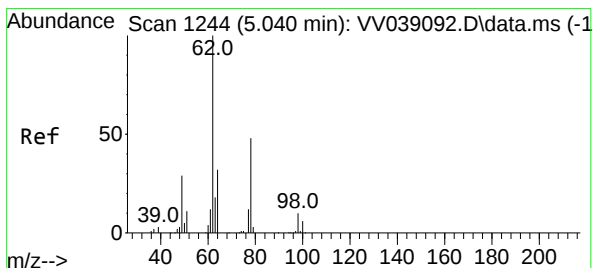
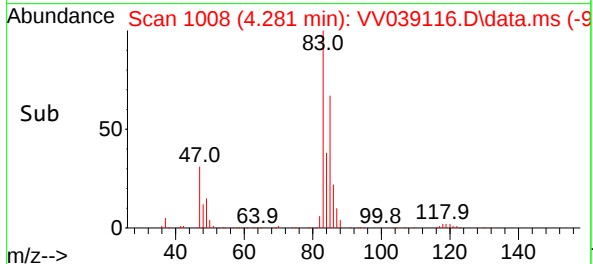
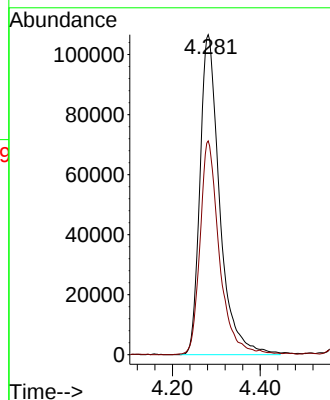
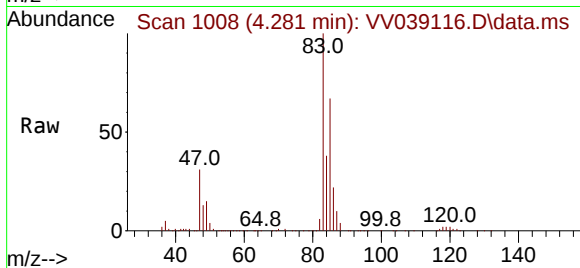
PMW-2(20250911)MSD

Tgt Ion: 83 Resp: 332401

Ion Ratio Lower Upper

83 100

85 66.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 6.832 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.006 min

Lab File: VV039116.D

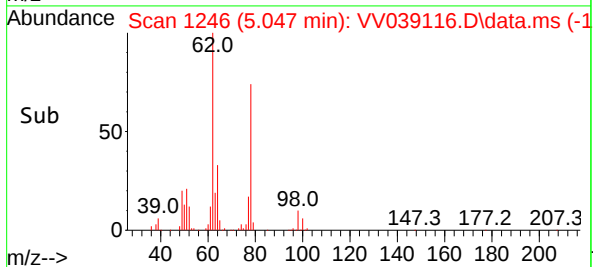
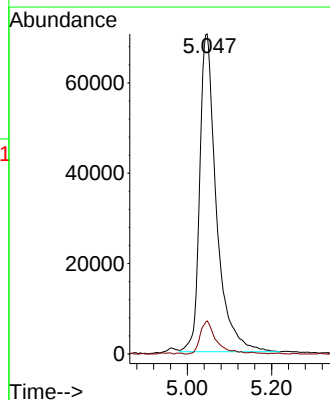
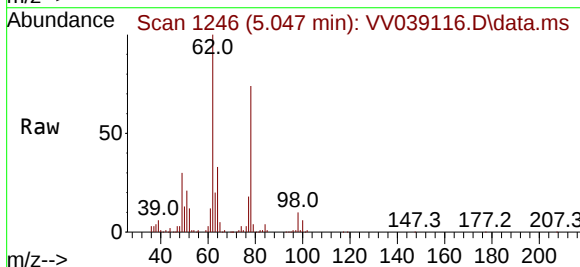
Acq: 16 Sep 2025 18:30

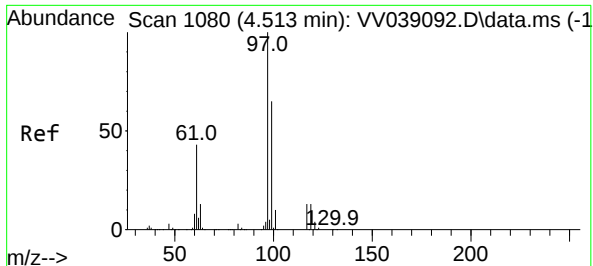
Tgt Ion: 62 Resp: 193688

Ion Ratio Lower Upper

62 100

98 10.3 8.6 12.8





#29

1,1,1-Trichloroethane

Concen: 5.896 ug/L

RT: 4.516 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

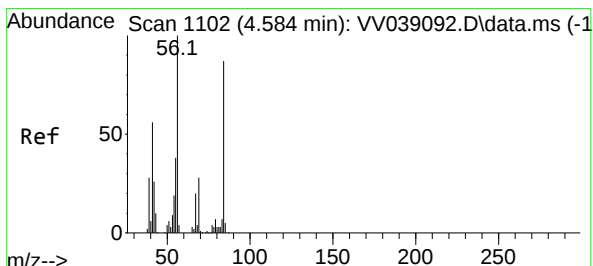
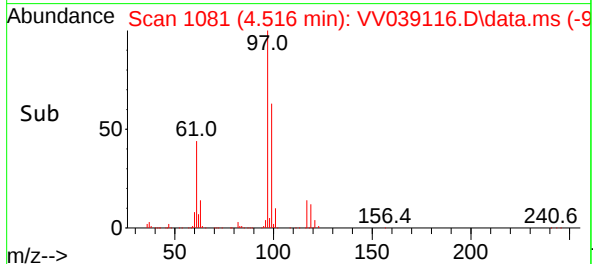
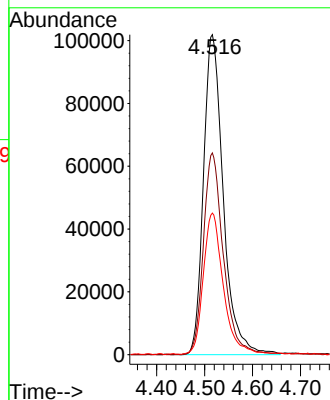
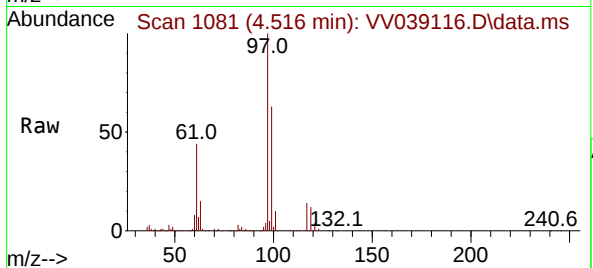
Tgt Ion: 97 Resp: 292686

Ion Ratio Lower Upper

97 100

99 63.4 51.1 76.7

61 44.1 32.9 49.3



#30

Cyclohexane

Concen: 5.685 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

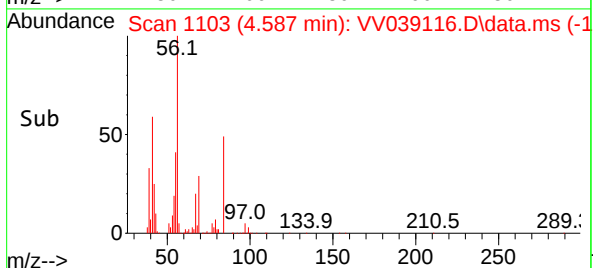
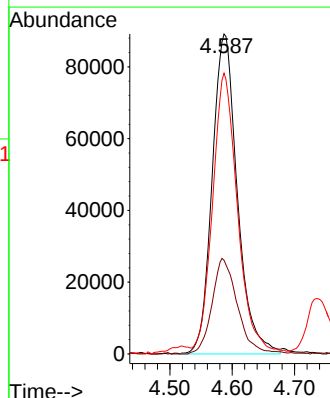
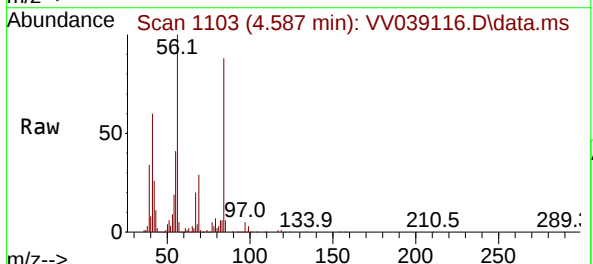
Tgt Ion: 56 Resp: 250258

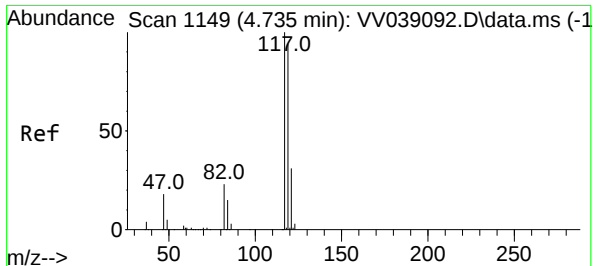
Ion Ratio Lower Upper

56 100

69 30.1 25.0 37.6

84 87.5 71.3 106.9

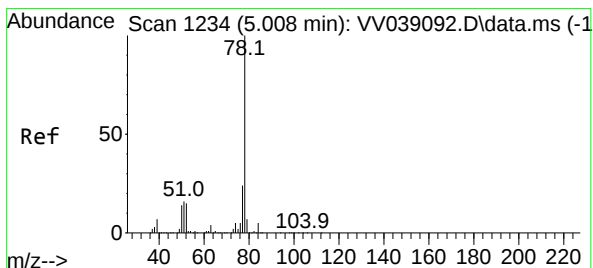
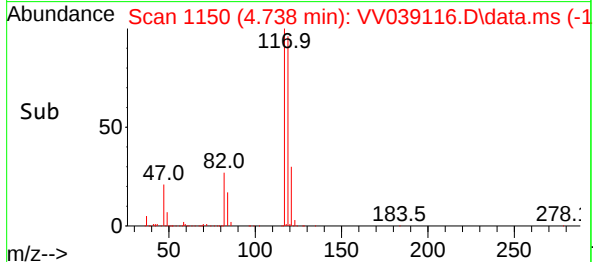
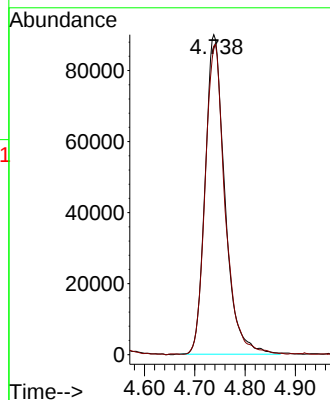
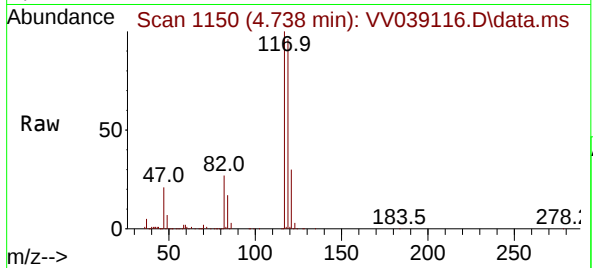




#31
Carbon tetrachloride
Concen: 5.454 ug/L
RT: 4.738 min Scan# 1149
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

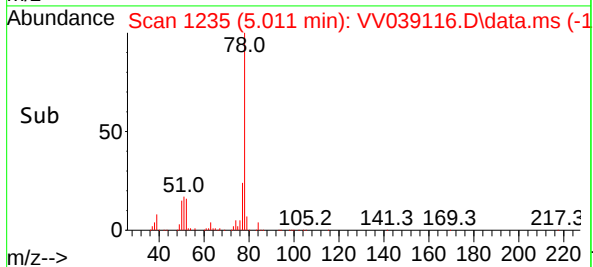
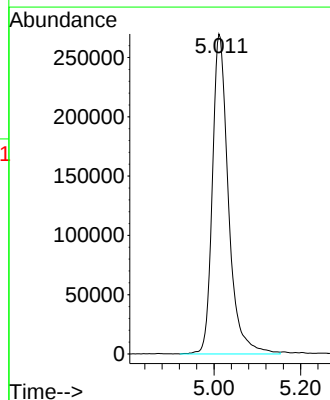
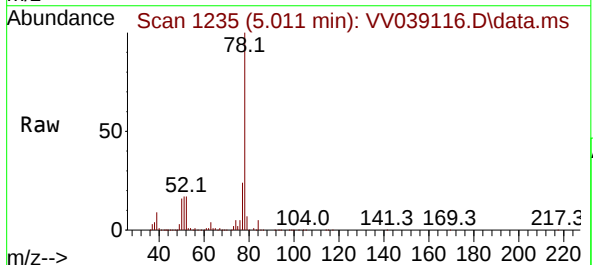
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

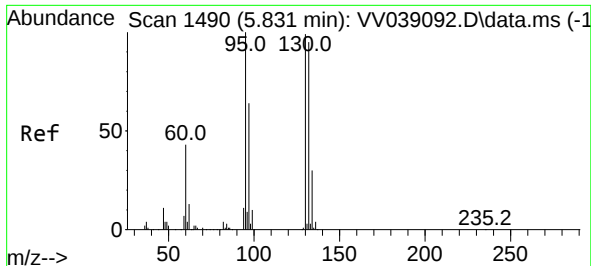
Tgt Ion:117 Resp: 245361
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.2



#33
Benzene
Concen: 6.124 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion: 78 Resp: 694894

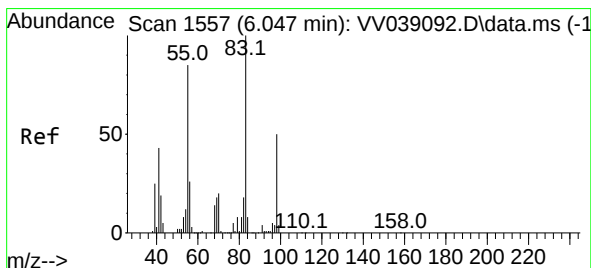
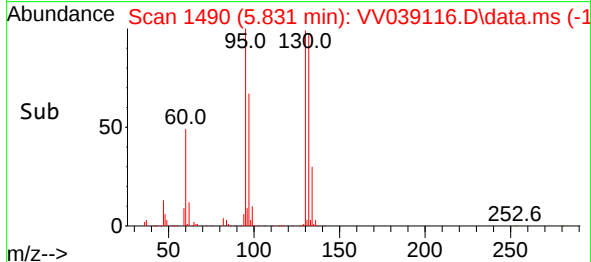
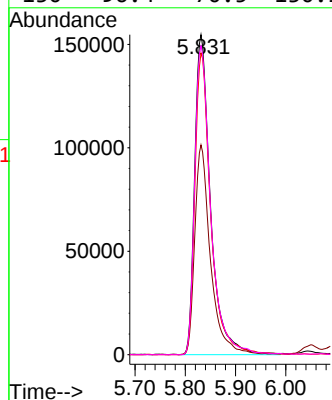
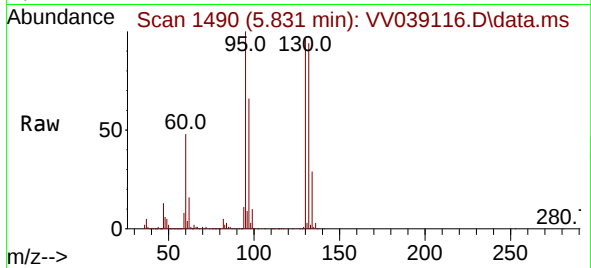




#34
Trichloroethene
Concen: 11.152 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

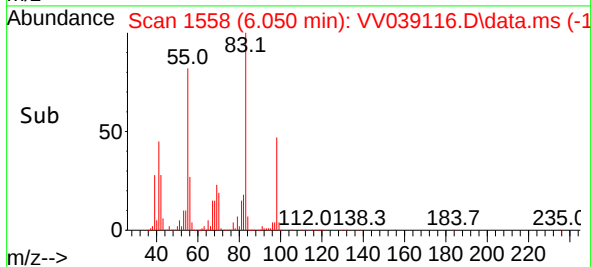
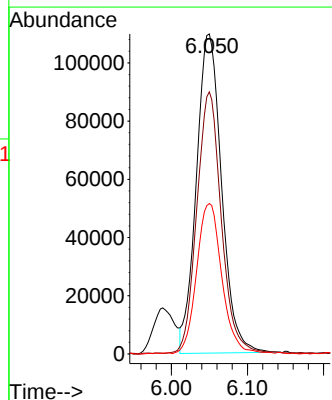
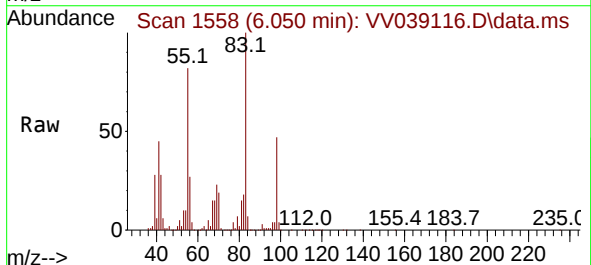
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

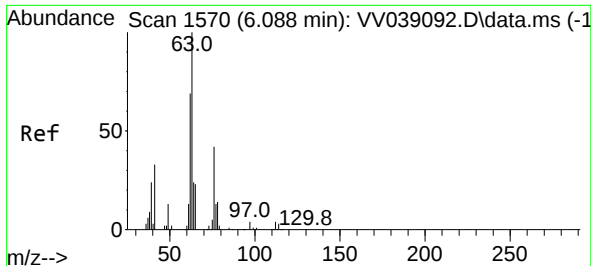
Tgt Ion:	95	Resp:	341095
Ion	Ratio	Lower	Upper
95	100		
97	65.5	43.3	80.5
132	94.2	65.5	121.7
130	96.4	70.5	130.9



#35
Methylcyclohexane
Concen: 5.283 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:	83	Resp:	252851
Ion	Ratio	Lower	Upper
83	100		
55	79.5	61.4	92.2
98	46.9	38.2	57.4





#37

1,2-Dichloropropane

Concen: 6.097 ug/L

RT: 6.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

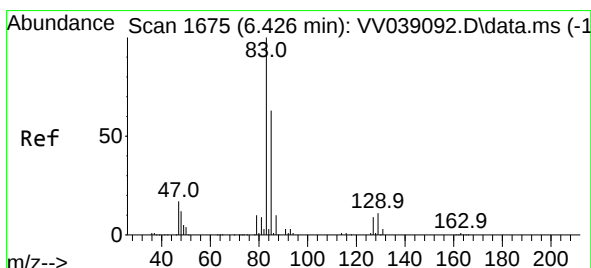
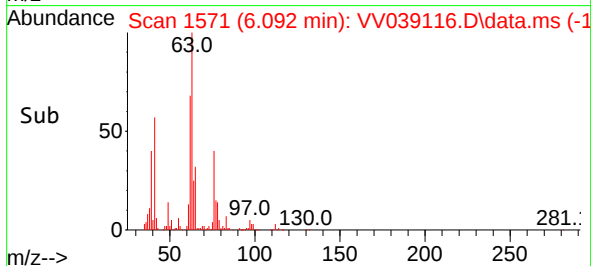
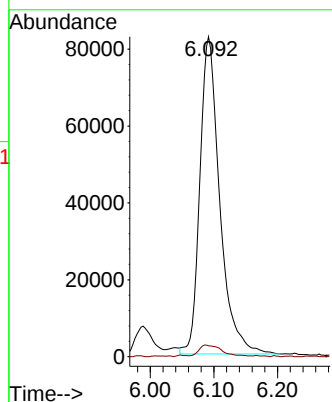
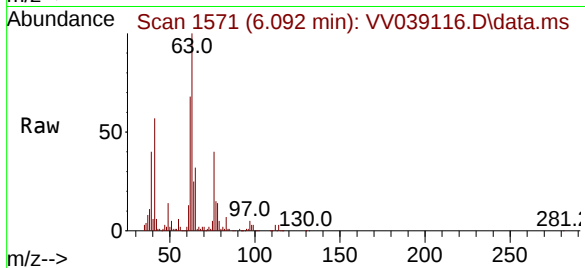
PMW-2(20250911)MSD

Tgt Ion: 63 Resp: 179420

Ion Ratio Lower Upper

63 100

112 3.8 3.6 5.4



#38

Bromodichloromethane

Concen: 5.900 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

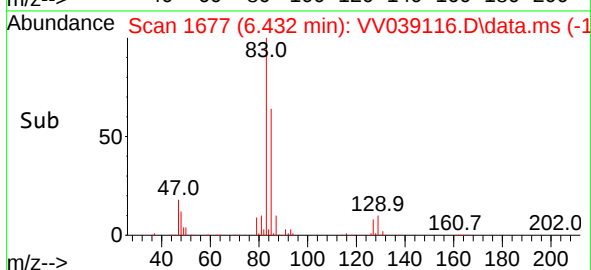
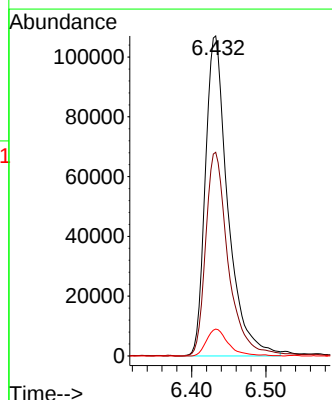
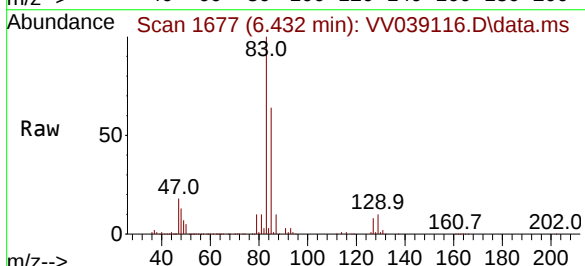
Tgt Ion: 83 Resp: 225697

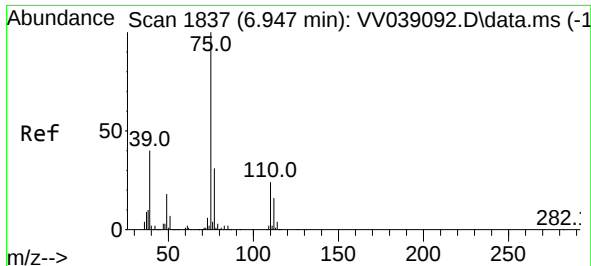
Ion Ratio Lower Upper

83 100

85 63.6 45.8 85.2

127 8.4 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.608 ug/L

RT: 6.953 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

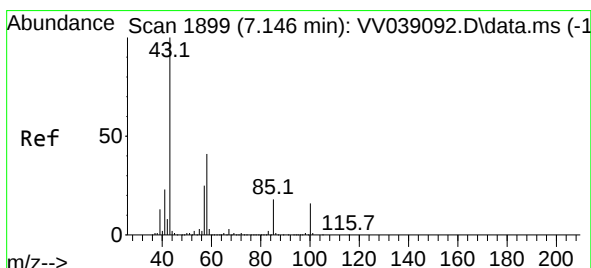
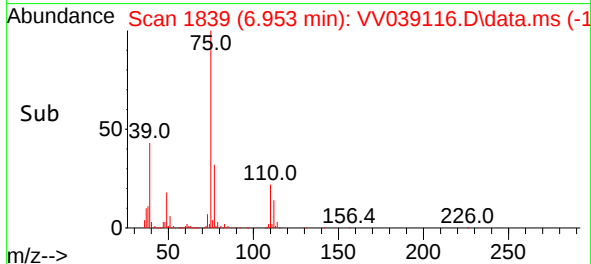
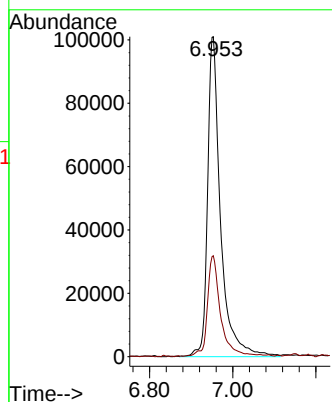
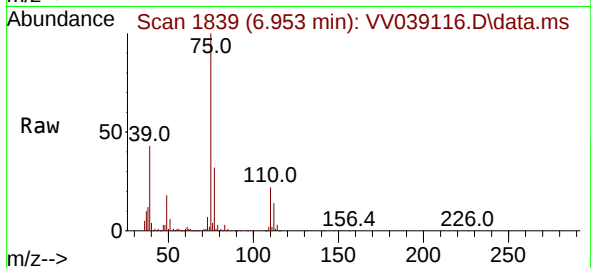
PMW-2(20250911)MSD

Tgt Ion: 75 Resp: 218943

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 67.831 ug/L

RT: 7.149 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

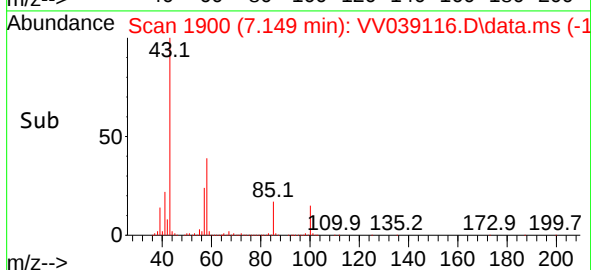
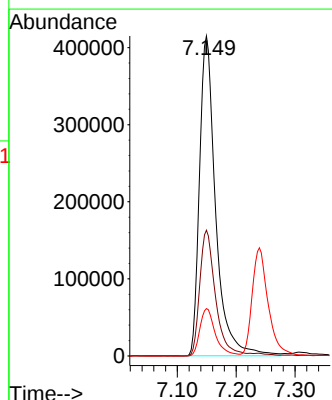
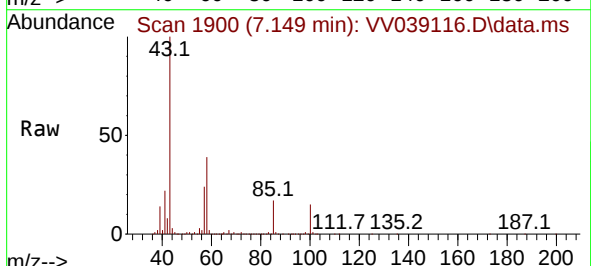
Tgt Ion: 43 Resp: 790880

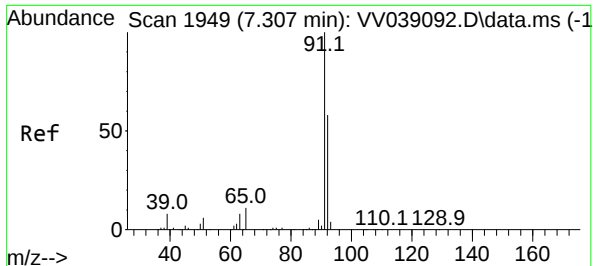
Ion Ratio Lower Upper

43 100

58 38.2 31.7 47.5

100 14.2 13.0 19.4

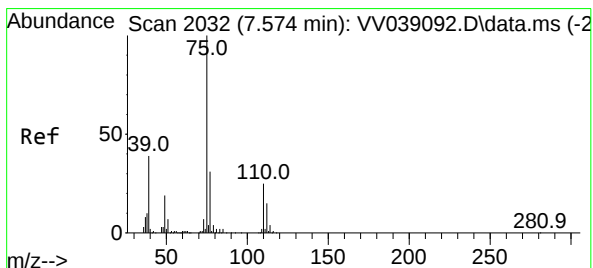
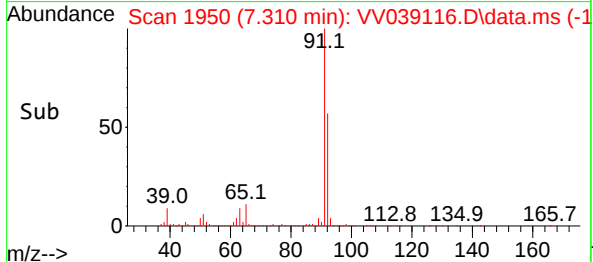
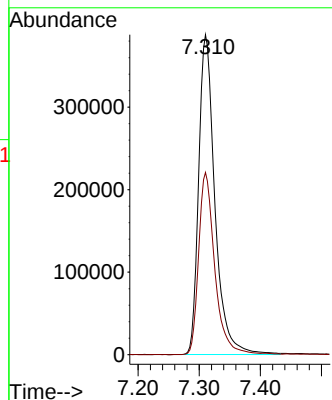
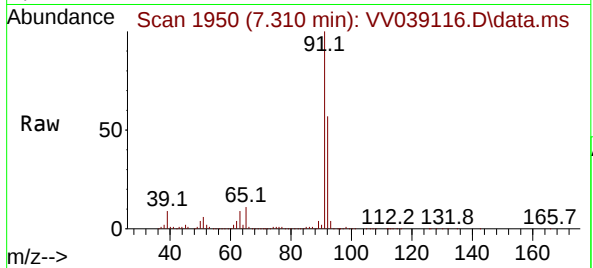




#42
Toluene
Concen: 6.058 ug/L
RT: 7.310 min Scan# 1949
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

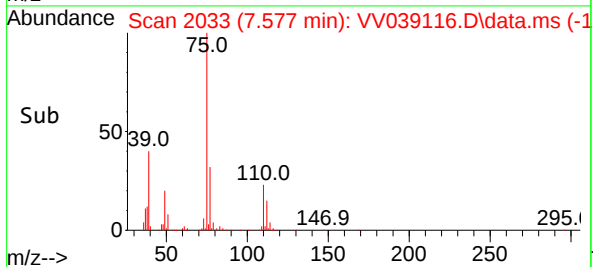
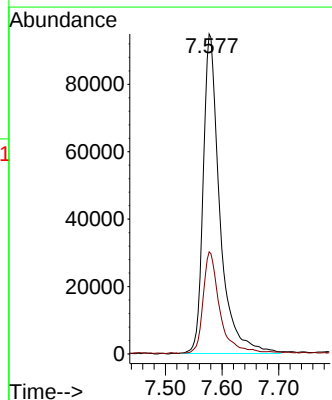
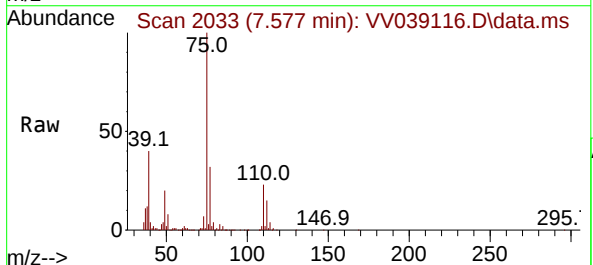
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

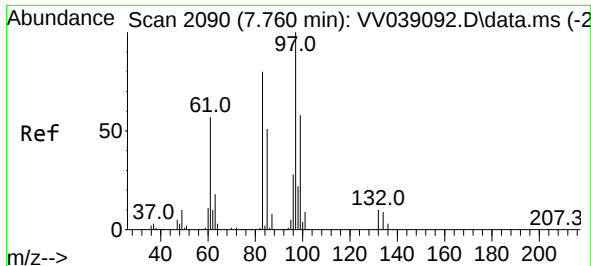
Tgt Ion: 91 Resp: 716393
Ion Ratio Lower Upper
91 100
92 57.0 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 6.092 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion: 75 Resp: 193270
Ion Ratio Lower Upper
75 100
77 31.9 21.9 40.7

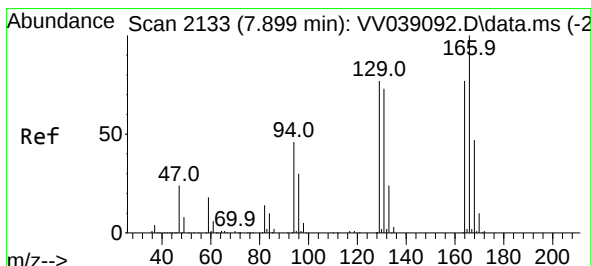
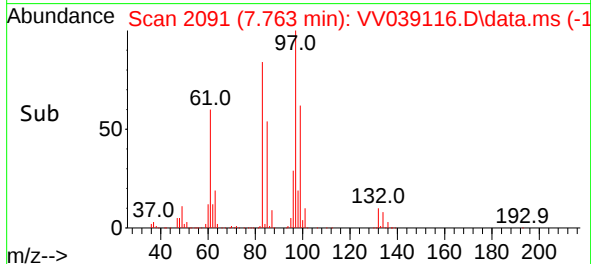
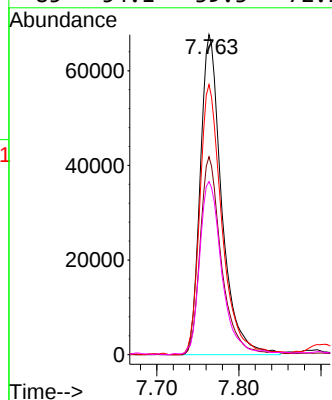
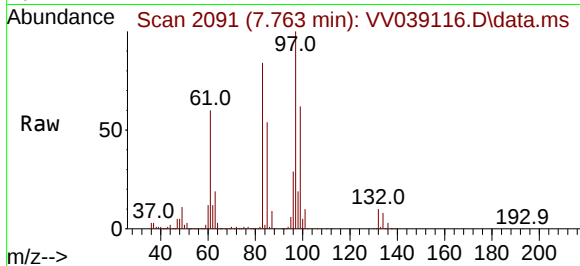




#45
1,1,2-Trichloroethane
Concen: 6.073 ug/L
RT: 7.763 min Scan# 2090
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

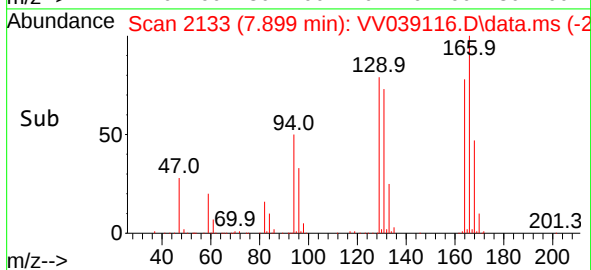
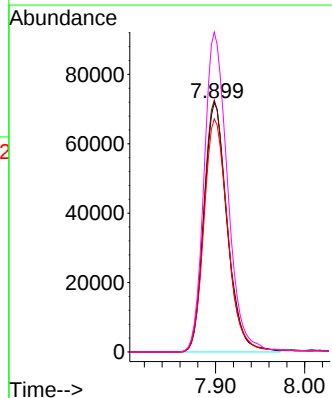
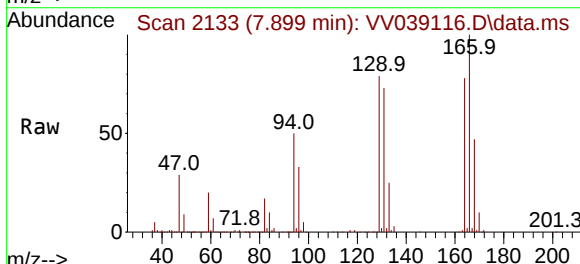
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

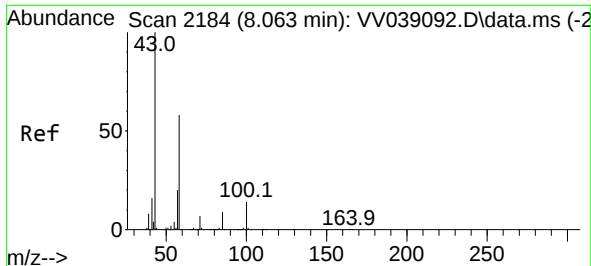
Tgt Ion:	97	Resp:	122733
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.3
83	84.4	61.7	114.7
85	54.1	39.3	72.9



#47
Tetrachloroethene
Concen: 5.410 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:	164	Resp:	129342
Ion	Ratio	Lower	Upper
164	100		
129	100.9	68.0	126.4
131	93.4	65.4	121.4
166	128.3	86.7	161.1

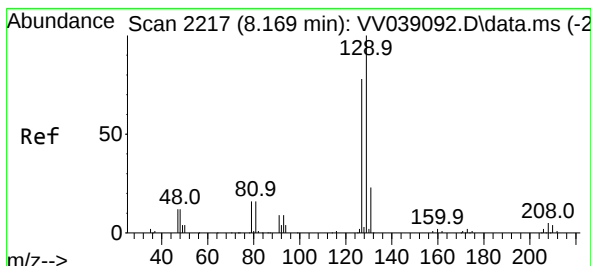
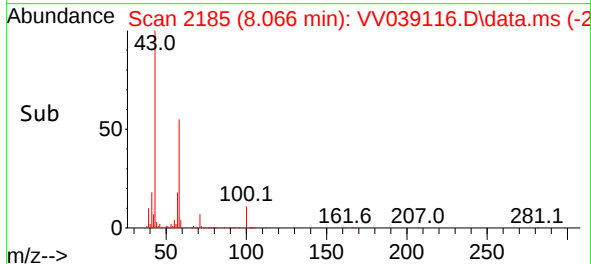
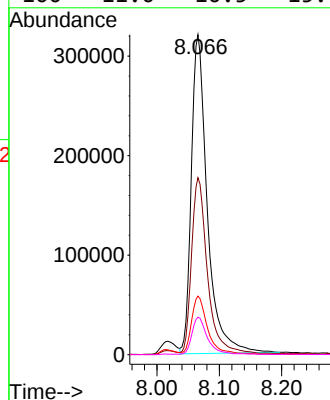
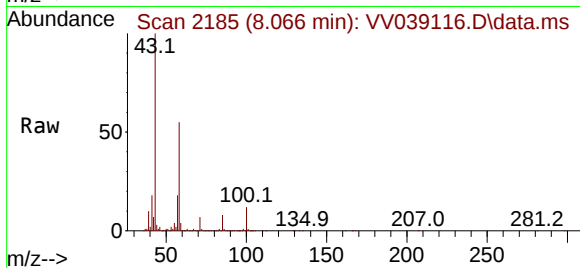




#48
2-Hexanone
Concen: 70.275 ug/L
RT: 8.066 min Scan# 2184
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

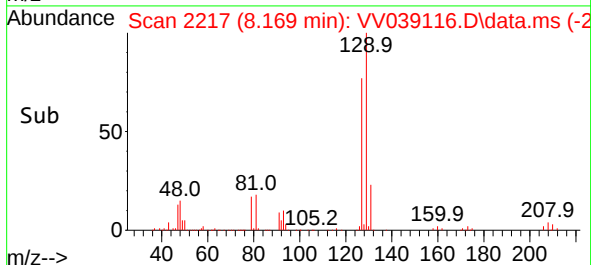
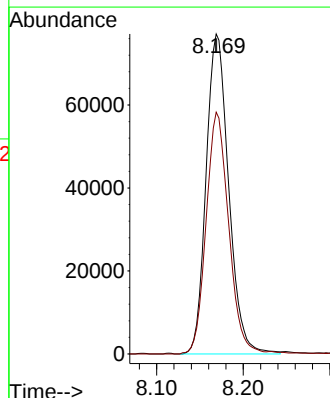
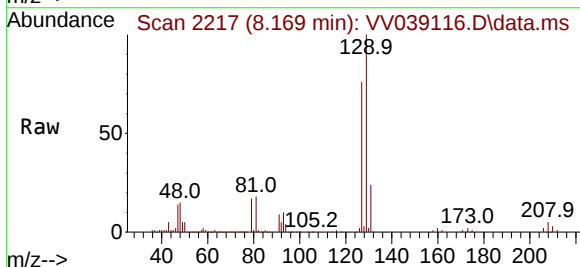
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

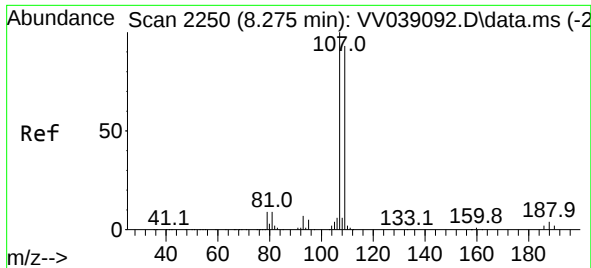
Tgt Ion:	43	Resp:	569612
Ion	Ratio	Lower	Upper
43	100		
58	54.5	45.6	68.4
57	18.3	15.6	23.4
100	11.0	10.5	15.7



#49
Dibromochloromethane
Concen: 5.913 ug/L
RT: 8.169 min Scan# 2217
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:	129	Resp:	139869
Ion	Ratio	Lower	Upper
129	100		
127	75.5	56.7	105.3

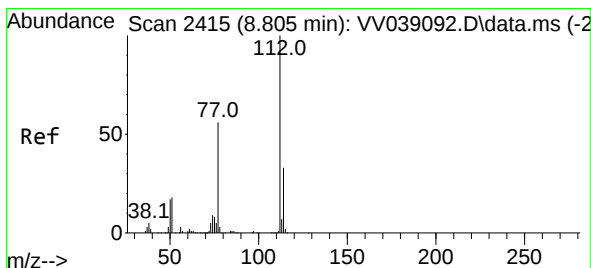
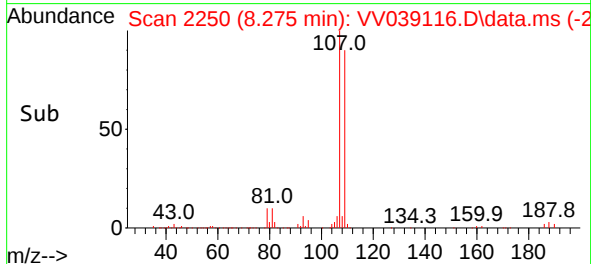
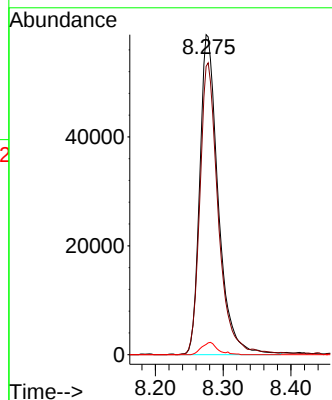
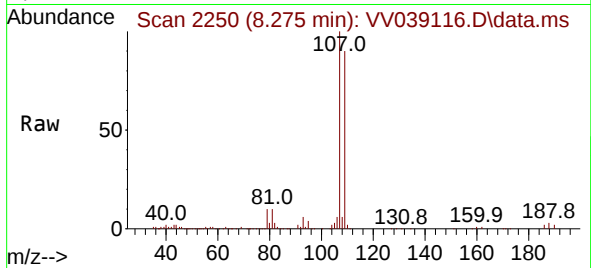




#50
1,2-Dibromoethane
Concen: 6.145 ug/L
RT: 8.275 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

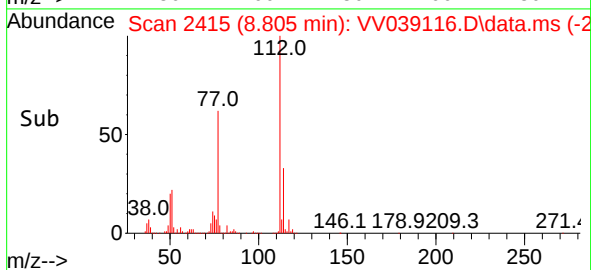
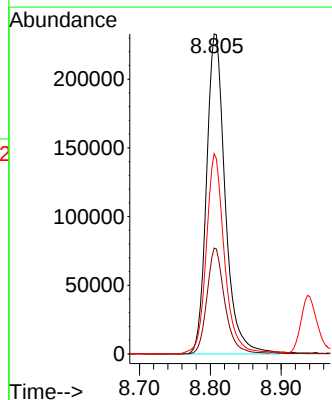
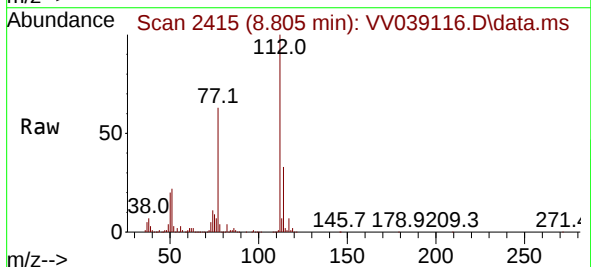
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

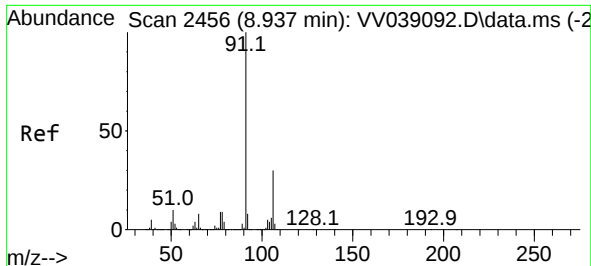
Tgt Ion:	107	Resp:	111418
Ion	Ratio	Lower	Upper
107	100		
109	90.1	67.1	124.7
188	3.2	2.5	3.7



#51
Chlorobenzene
Concen: 5.587 ug/L
RT: 8.805 min Scan# 2415
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:	112	Resp:	426418
Ion	Ratio	Lower	Upper
112	100		
114	33.1	23.0	42.6
77	62.6	46.6	69.8





#52

Ethylbenzene

Concen: 5.704 ug/L

RT: 8.940 min Scan# 2456

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

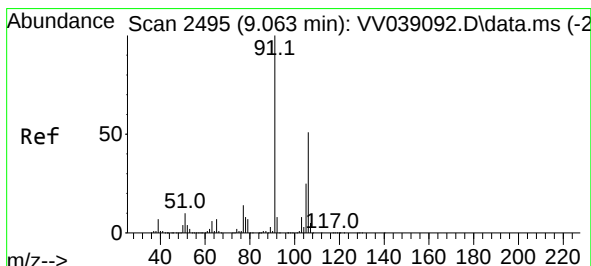
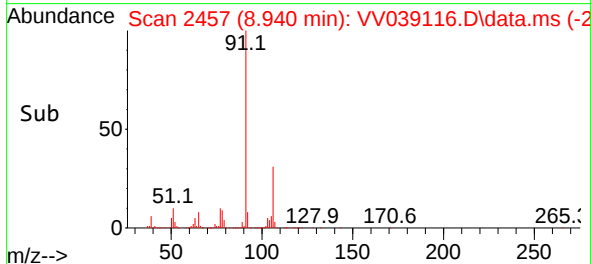
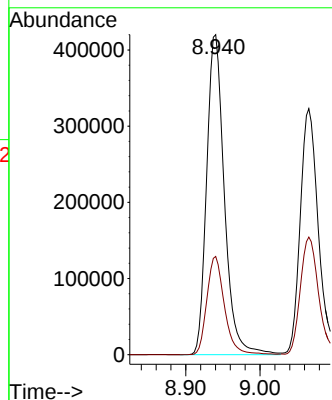
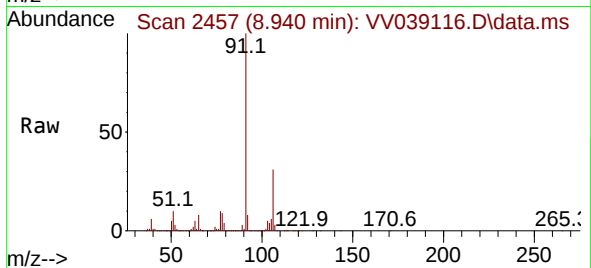
PMW-2(20250911)MSD

Tgt Ion: 91 Resp: 695011

Ion Ratio Lower Upper

91 100

106 30.7 20.8 38.6



#53

m,p-Xylene

Concen: 5.625 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.003 min

Lab File: VV039116.D

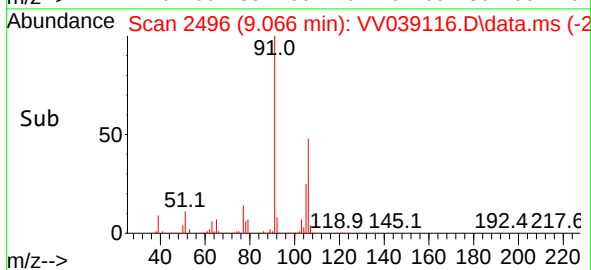
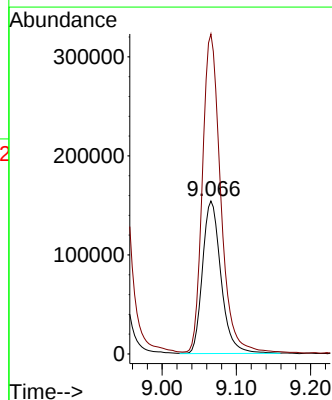
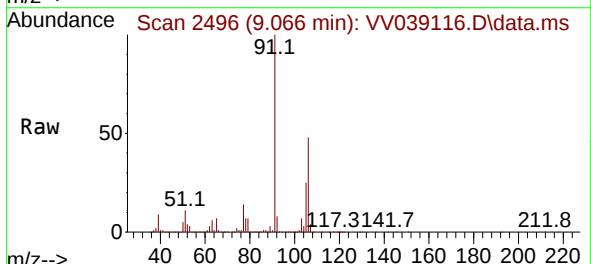
Acq: 16 Sep 2025 18:30

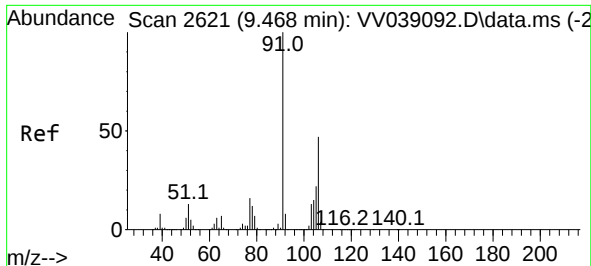
Tgt Ion: 106 Resp: 266566

Ion Ratio Lower Upper

106 100

91 209.2 140.1 260.3

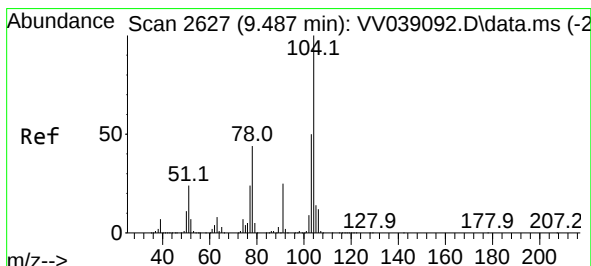
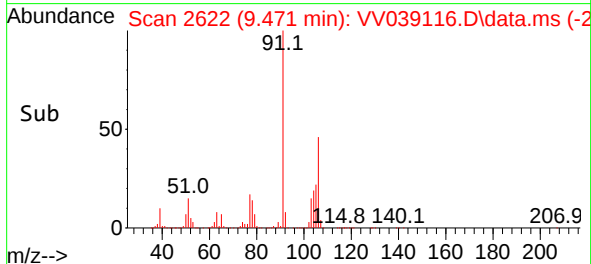
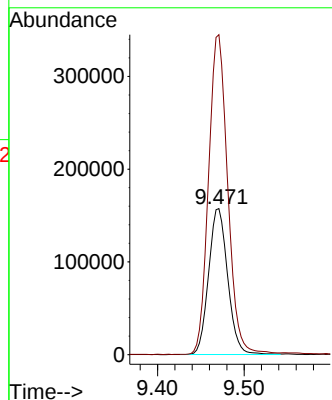
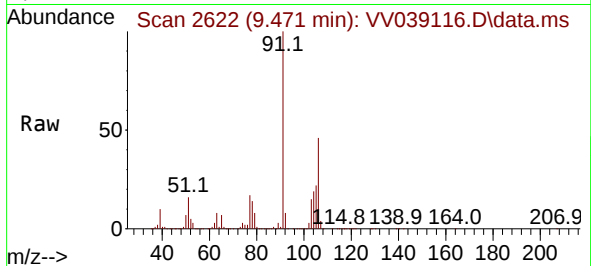




#54
o-Xylene
Concen: 5.550 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

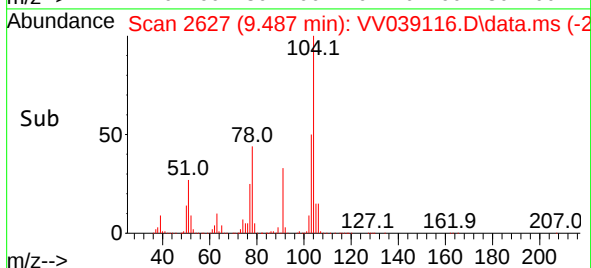
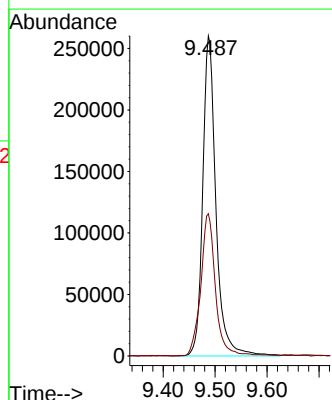
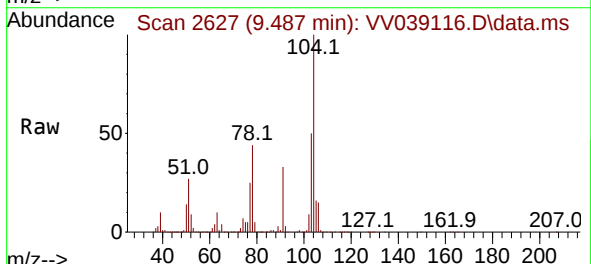
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

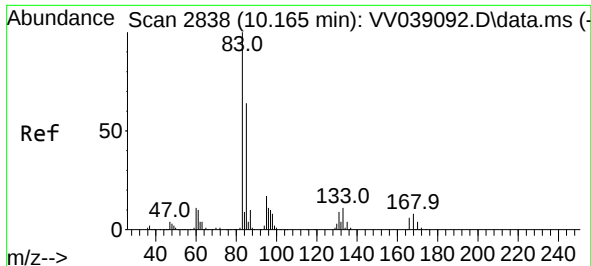
Tgt Ion:106 Resp: 241295
Ion Ratio Lower Upper
106 100
91 218.9 150.7 279.9



#55
Styrene
Concen: 5.974 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:104 Resp: 458879
Ion Ratio Lower Upper
104 100
78 44.4 29.9 55.5





#57

1,1,2,2-Tetrachloroethane

Concen: 5.911 ug/L

RT: 10.169 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

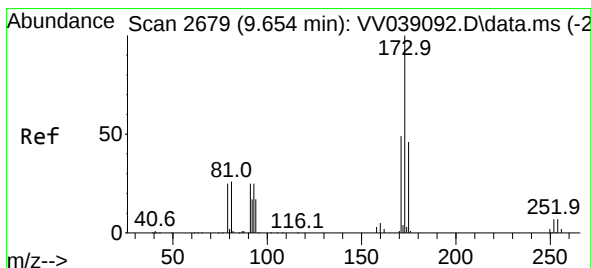
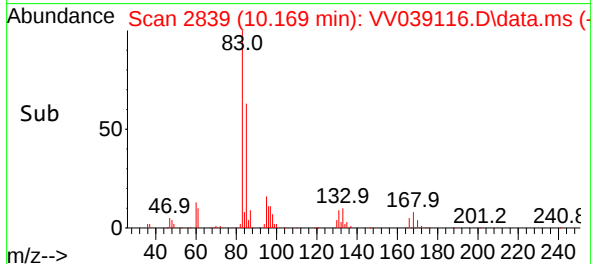
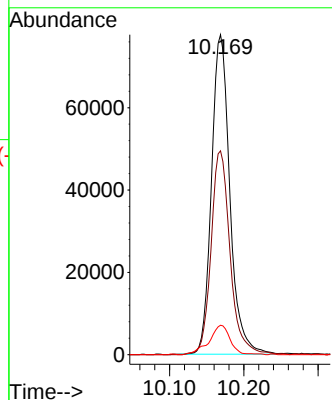
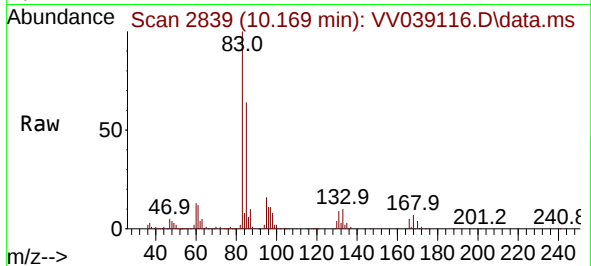
Tgt Ion: 83 Resp: 133141

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

131 9.2 7.2 10.8



#59

Bromoform

Concen: 5.204 ug/L

RT: 9.657 min Scan# 2680

Delta R.T. 0.003 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

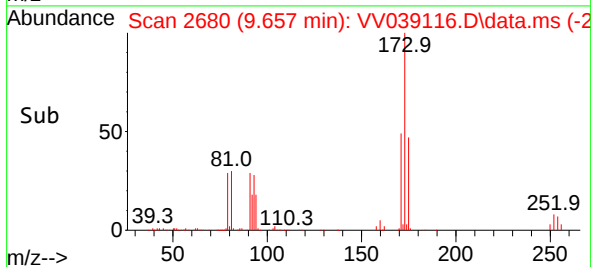
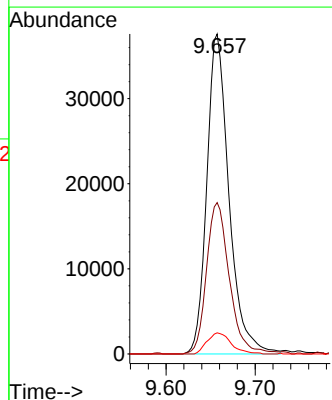
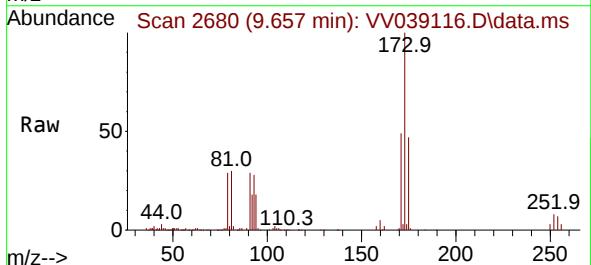
Tgt Ion: 173 Resp: 64941

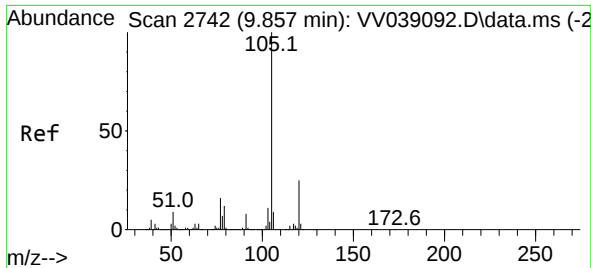
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 7.2 6.8 10.2

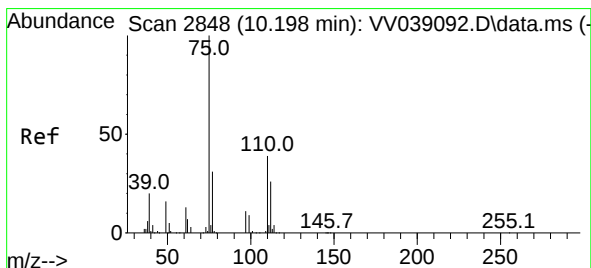
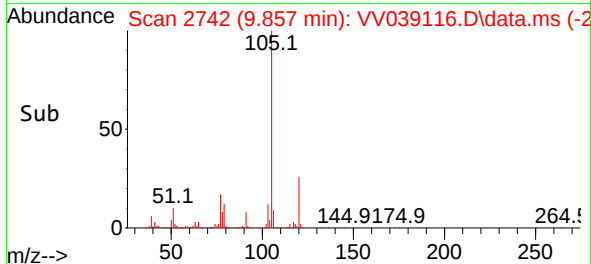
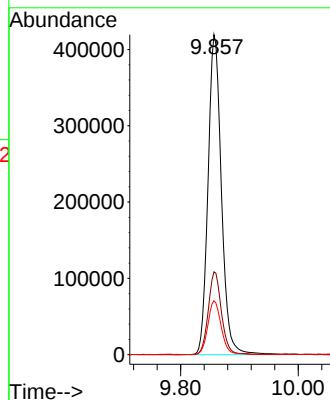
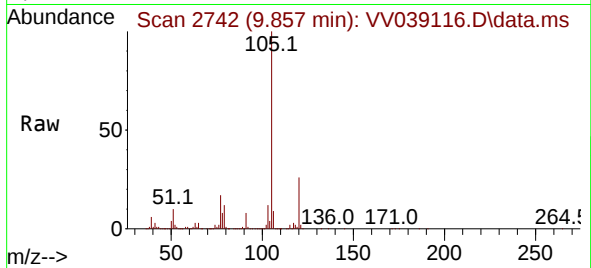




#60
Isopropylbenzene
Concen: 5.623 ug/L
RT: 9.857 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

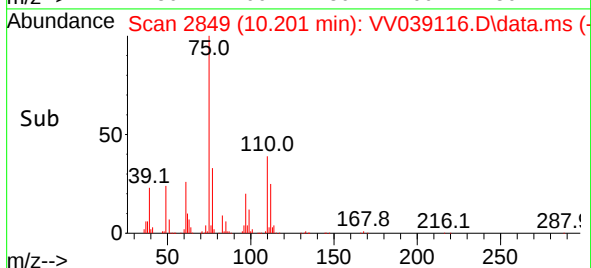
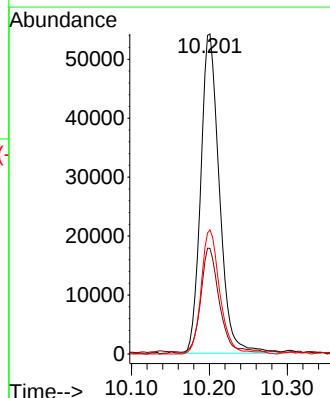
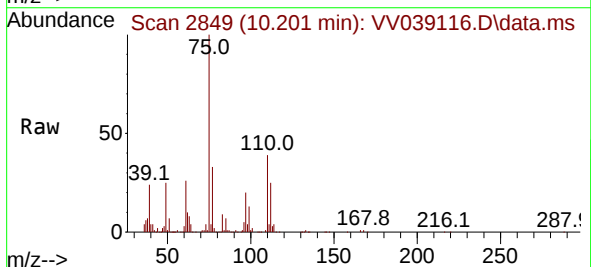
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

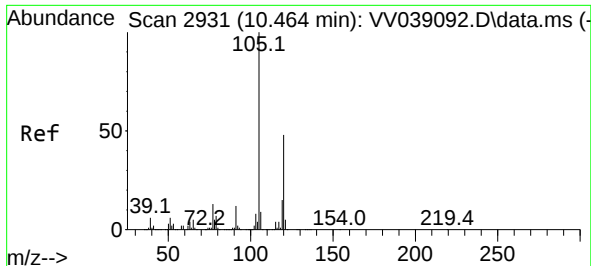
Tgt Ion:105 Resp: 661642
Ion Ratio Lower Upper
105 100
120 25.6 20.8 31.2
77 16.7 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 6.083 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion: 75 Resp: 90136
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7
110 39.1 31.0 46.4

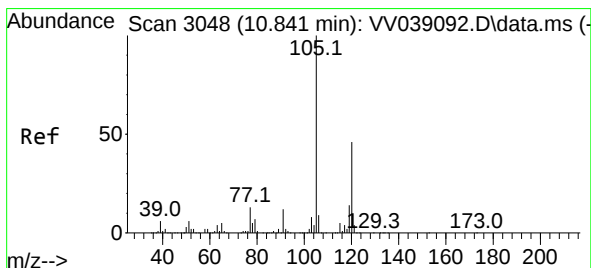
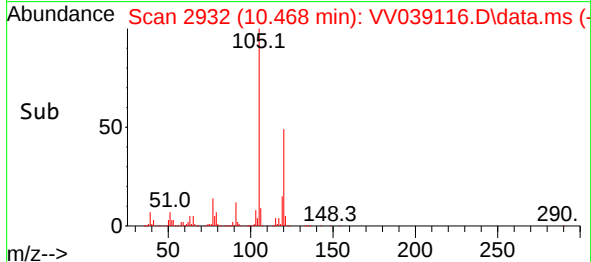
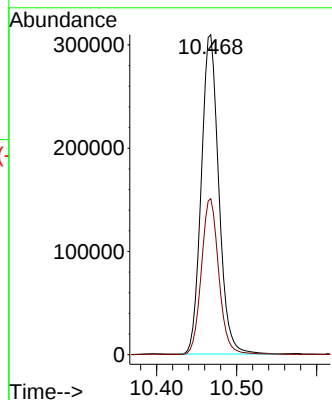
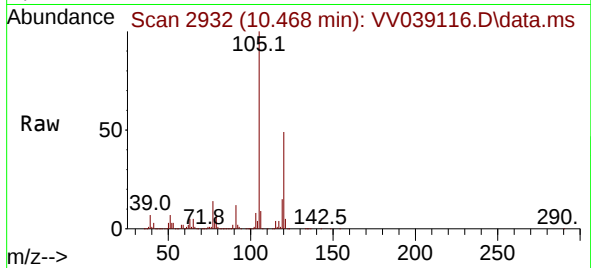




#62
 1,3,5-Trimethylbenzene
 Concen: 5.225 ug/L
 RT: 10.468 min Scan# 2931
 Delta R.T. 0.003 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

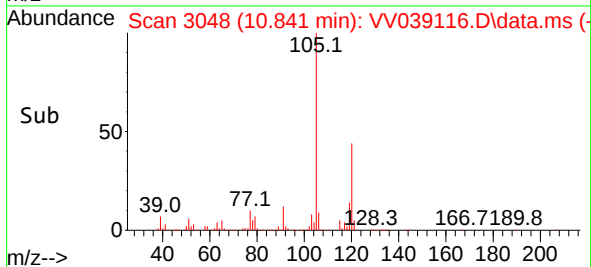
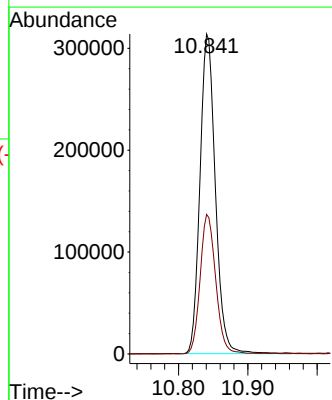
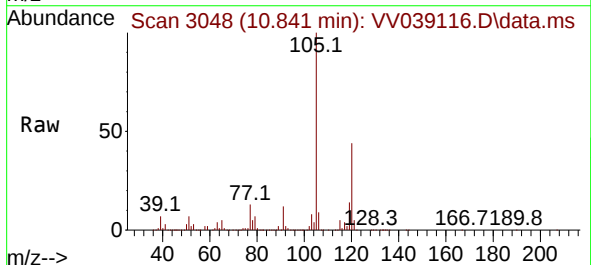
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MSD

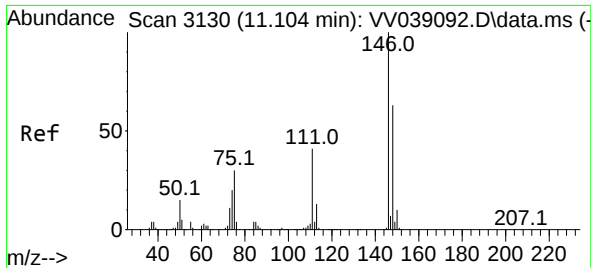
Tgt Ion:105 Resp: 471958
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 5.454 ug/L
 RT: 10.841 min Scan# 3048
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

Tgt Ion:105 Resp: 483918
 Ion Ratio Lower Upper
 105 100
 120 44.2 36.6 54.8

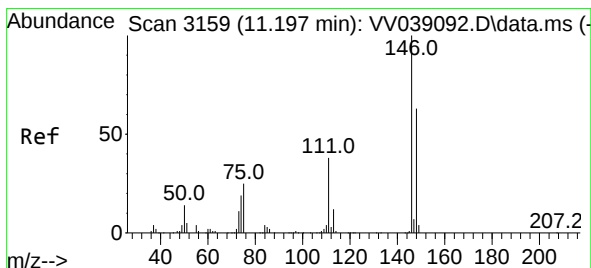
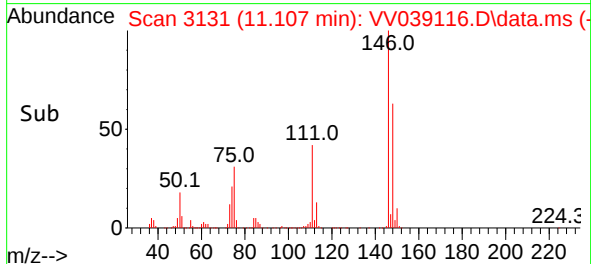
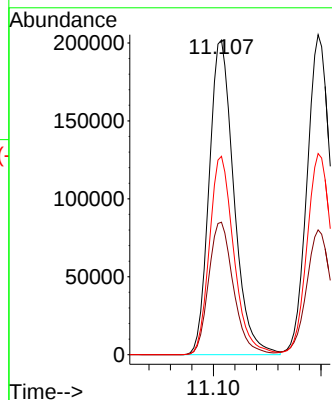
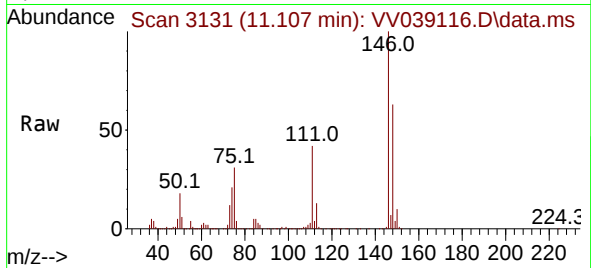




#64
1,3-Dichlorobenzene
Concen: 5.616 ug/L
RT: 11.107 min Scan# 3131
Delta R.T. 0.003 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

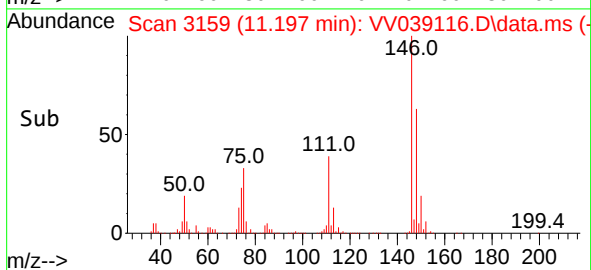
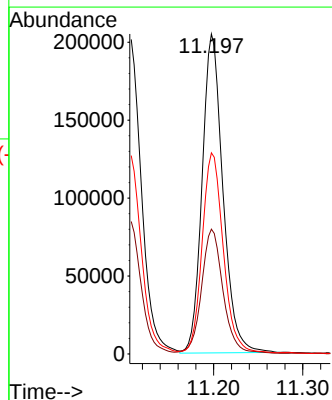
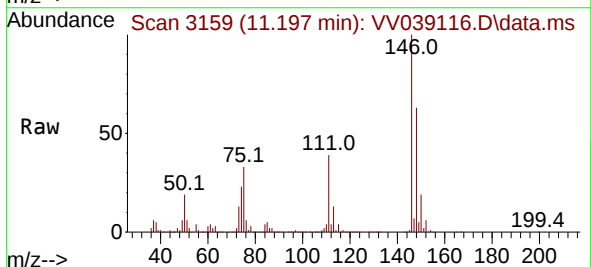
Instrument :
MSVOA_V
ClientSampleId :
PMW-2(20250911)MSD

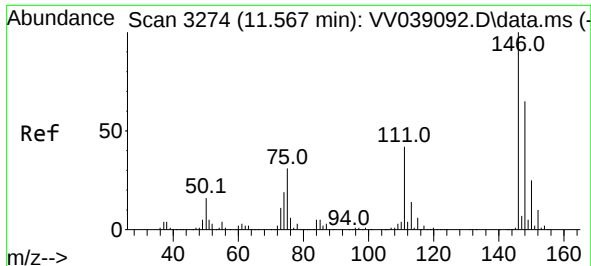
Tgt Ion:146 Resp: 322416
Ion Ratio Lower Upper
146 100
111 42.1 28.3 52.7
148 63.1 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 5.583 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. -0.000 min
Lab File: VV039116.D
Acq: 16 Sep 2025 18:30

Tgt Ion:146 Resp: 331576
Ion Ratio Lower Upper
146 100
111 39.0 27.2 50.6
148 62.8 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 5.457 ug/L

RT: 11.567 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

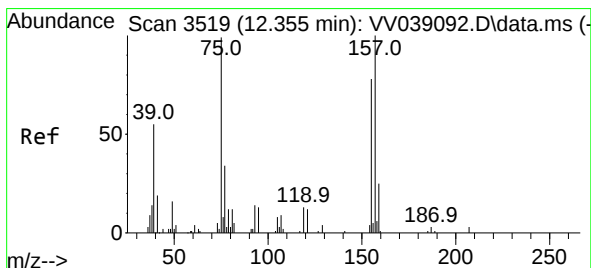
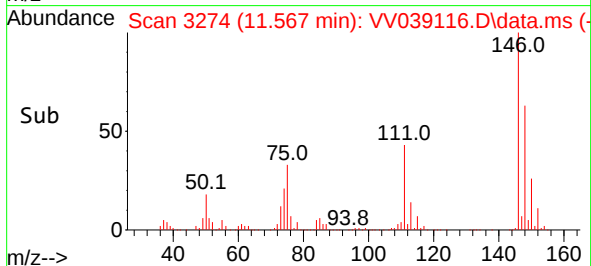
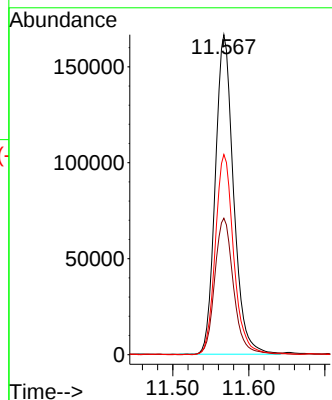
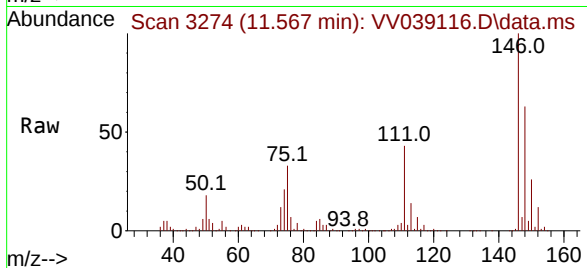
Tgt Ion:146 Resp: 277608

Ion Ratio Lower Upper

146 100

111 42.6 33.4 50.2

148 62.5 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.648 ug/L

RT: 12.355 min Scan# 3519

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

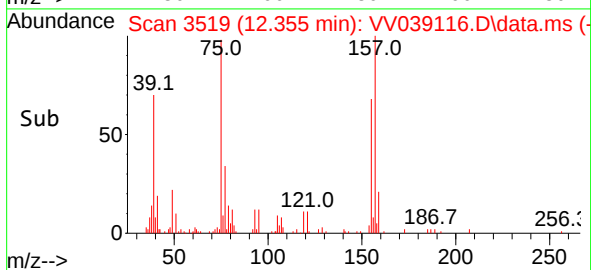
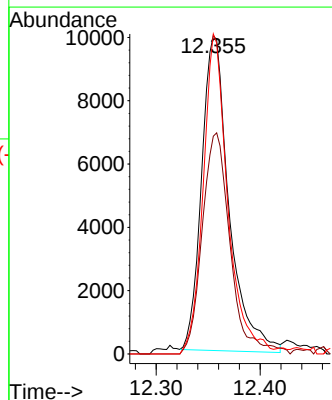
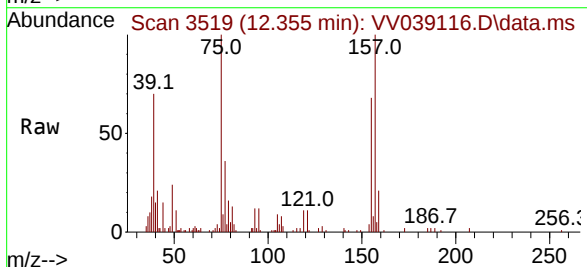
Tgt Ion: 75 Resp: 18233

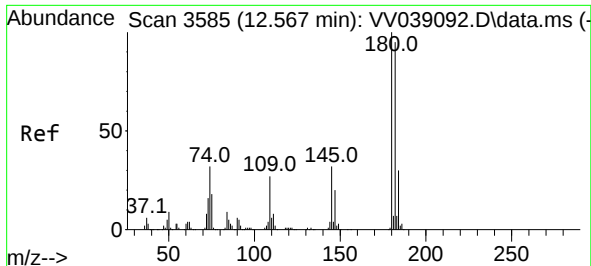
Ion Ratio Lower Upper

75 100

155 68.3 59.4 89.0

157 100.4 76.2 114.2

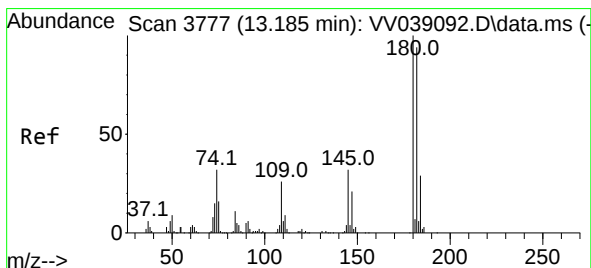
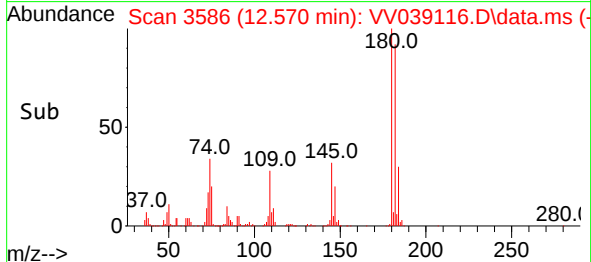
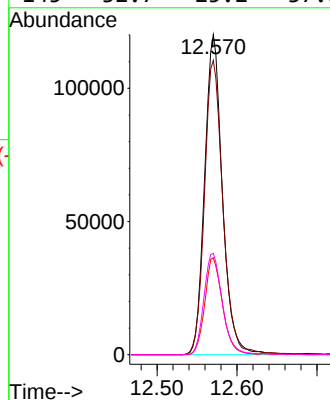
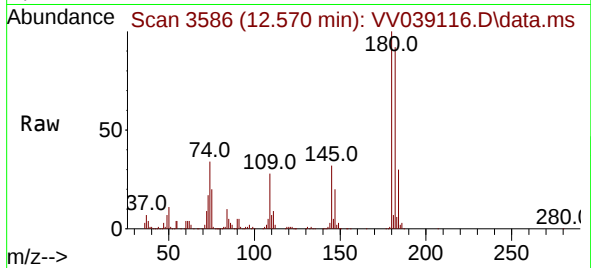




#69
 1,3,5-Trichlorobenzene
 Concen: 4.951 ug/L
 RT: 12.570 min Scan# 3585
 Delta R.T. 0.003 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

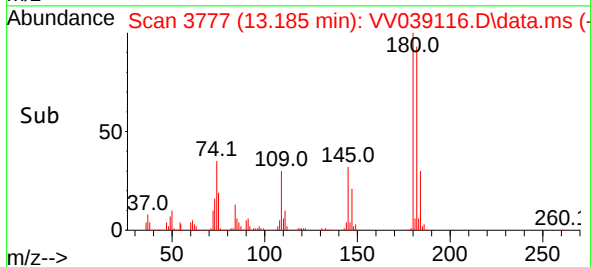
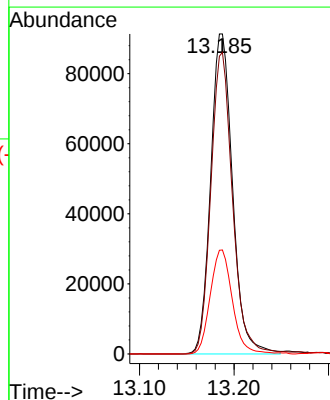
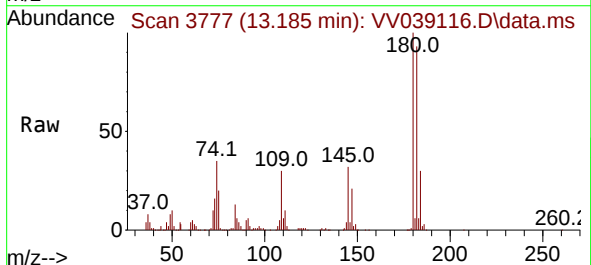
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-2(20250911)MSD

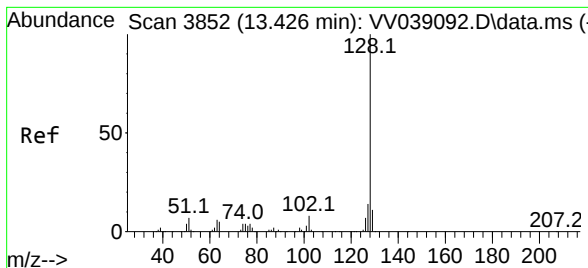
Tgt Ion:180	Resp:	186259
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.3 114.5
184	30.1	24.0 36.0
145	32.7	25.2 37.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.194 ug/L
 RT: 13.185 min Scan# 3777
 Delta R.T. -0.000 min
 Lab File: VV039116.D
 Acq: 16 Sep 2025 18:30

Tgt Ion:180	Resp:	147122
Ion Ratio	Lower	Upper
180	100	
182	93.1	73.2 109.8
145	32.8	25.0 37.4





#71

Naphthalene

Concen: 5.097 ug/L

RT: 13.426 min Scan# 3852

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Instrument :

MSVOA_V

ClientSampleId :

PMW-2(20250911)MSD

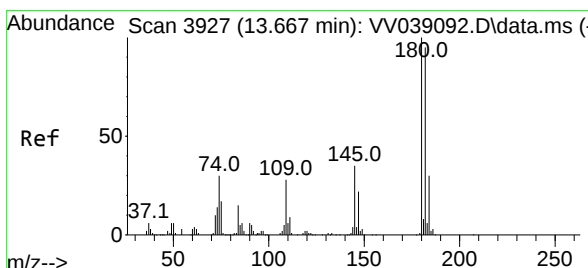
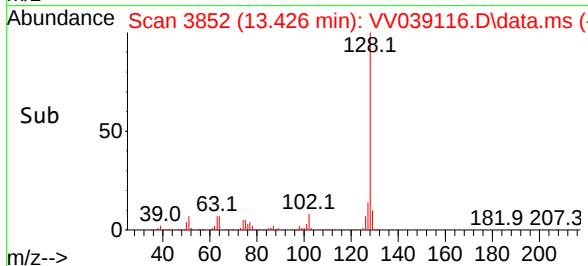
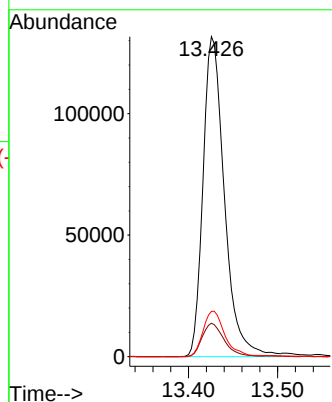
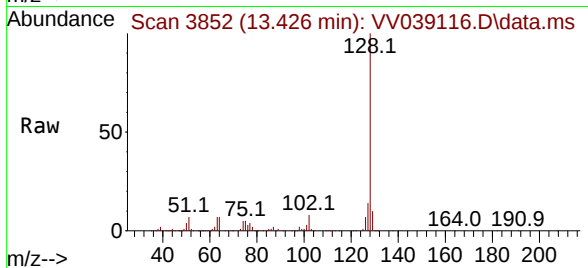
Tgt Ion:128 Resp: 220026

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 14.8 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.576 ug/L

RT: 13.667 min Scan# 3927

Delta R.T. -0.000 min

Lab File: VV039116.D

Acq: 16 Sep 2025 18:30

Tgt Ion:180 Resp: 140821

Ion Ratio Lower Upper

180 100

182 94.9 76.6 115.0

145 33.6 27.4 41.2

