

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039218.D
 Acq On : 26 Sep 2025 17:13
 Operator : SY/MD
 Sample : Q3195-19
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-33D-091725

Quant Time: Sep 29 07:54:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

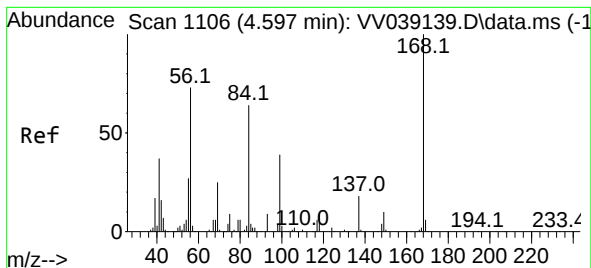
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.603	168	365701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	671850	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	688047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	318013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	336265	63.533	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 127.060%	#
35) Dibromofluoromethane	4.503	113	314137	58.161	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 116.320%	
50) Toluene-d8	7.239	98	747340	47.112	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 94.220%	
62) 4-Bromofluorobenzene	10.001	95	282200	43.213	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 86.420%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	60345	10.424	ug/l	100
6) Chloroethane	1.568	64	258	Below Cal	#	44
9) 1,1,2-Trichlorotrifluo...	2.085	101	30049	5.243	ug/l	99
11) Tert butyl alcohol	2.574	59	251	0.224	ug/l #	73
12) 1,1-Dichloroethene	2.085	96	2302	0.417	ug/l #	71
13) Acrolein	2.047	56	133	0.685	ug/l #	1
16) Acetone	2.124	43	5107	Below Cal	#	58
20) Methylene Chloride	2.455	84	2225	Below Cal	#	85
27) cis-1,2-Dichloroethene	3.838	96	10444	1.613	ug/l	45
31) Cyclohexane	4.606	56	8230	0.872	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	31938	3.911	ug/l #	44
38) Carbon Tetrachloride	4.600	117	40507	4.059	ug/l #	16
41) Methacrylonitrile	4.133	41	52	1.922	ug/l #	31
44) Trichloroethene	5.841	130	41354	6.739	ug/l	96
49) 1,4-Dioxane	6.268	88	45	0.455	ug/l #	25
58) 2-Chloroethyl Vinyl ether	6.799	63	24	9.628	ug/l #	1
59) 2-Hexanone	7.953	43	46	2.332	ug/l	79
60) Dibromochloromethane	7.902	129	8590	1.090	ug/l #	10
64) Tetrachloroethene	7.902	164	9610	1.668	ug/l	95
70) Styrene	9.516	104	21	1.562	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	138960	19.192	ug/l #	54
81) trans-1,4-Dichloro-2-b...	10.001	75	138960	46.073	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.313	75	43	Below Cal	#	5

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

Quant Time: Sep 29 07:54:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_V

ClientSampleId :

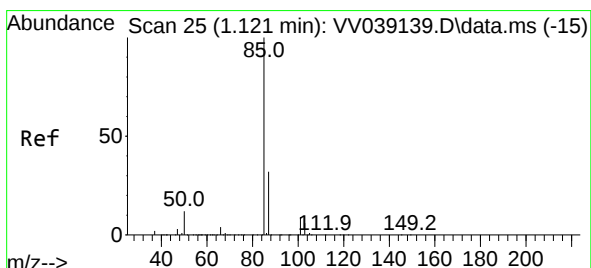
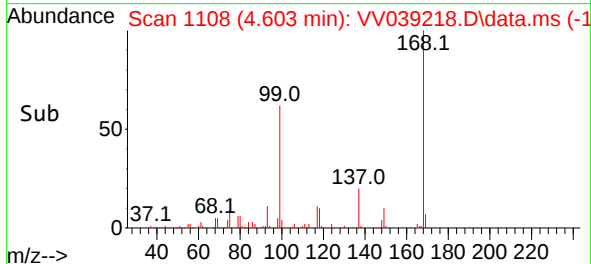
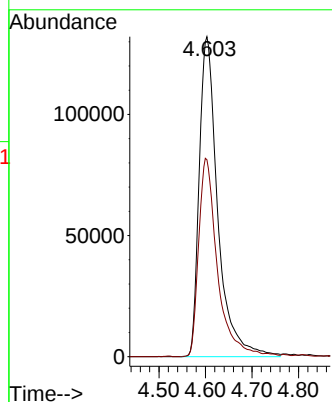
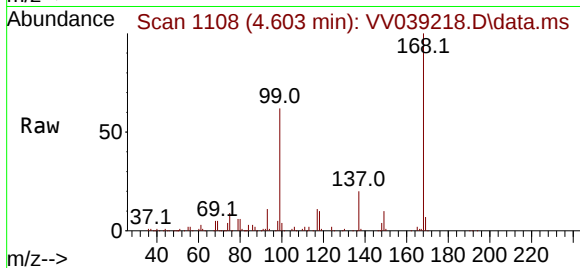
MW-33D-091725

Tgt Ion:168 Resp: 365701

Ion Ratio Lower Upper

168 100

99 61.6 49.6 74.4



#2

Dichlorodifluoromethane

Concen: 10.424 ug/l

RT: 1.121 min Scan# 25

Delta R.T. -0.000 min

Lab File: VV039218.D

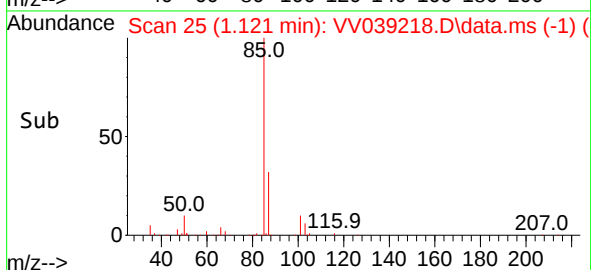
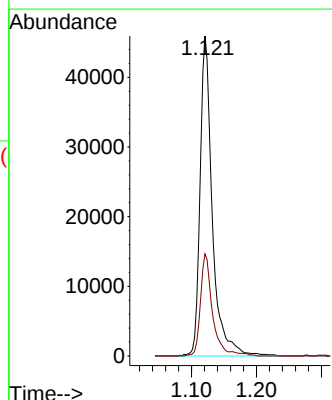
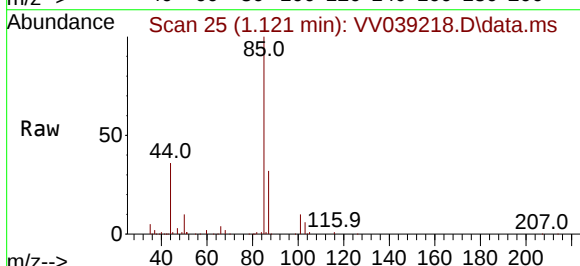
Acq: 26 Sep 2025 17:13

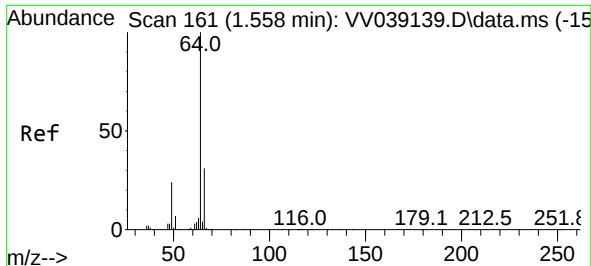
Tgt Ion: 85 Resp: 60345

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9

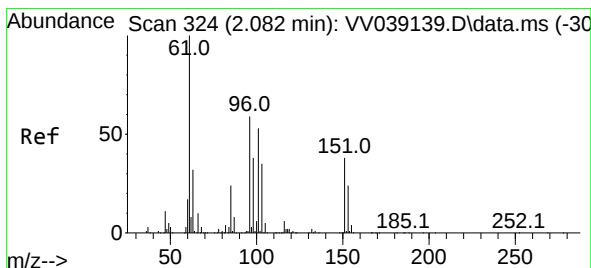
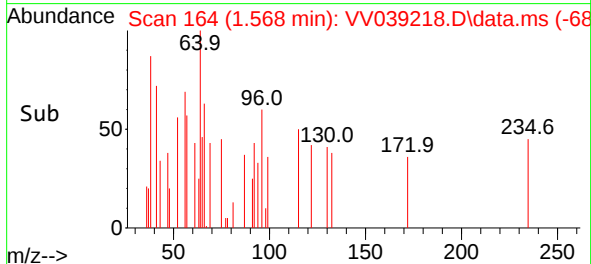
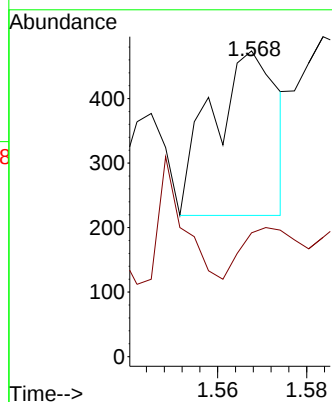
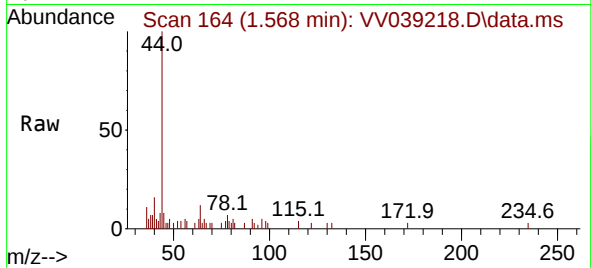




#6
Chloroethane
Concen: Below Cal
RT: 1.568 min Scan# 1
Delta R.T. 0.010 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

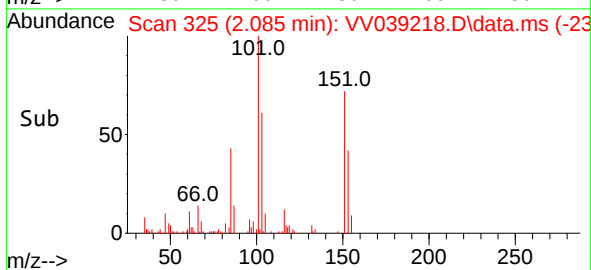
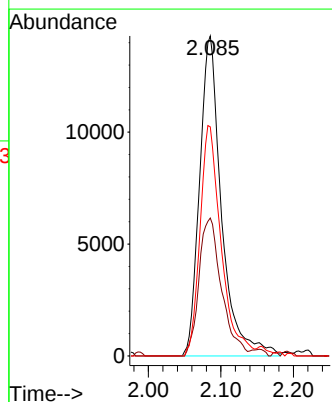
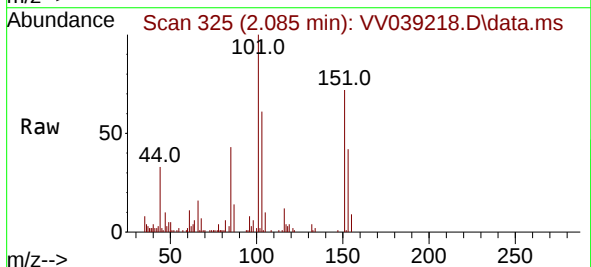
Instrument :
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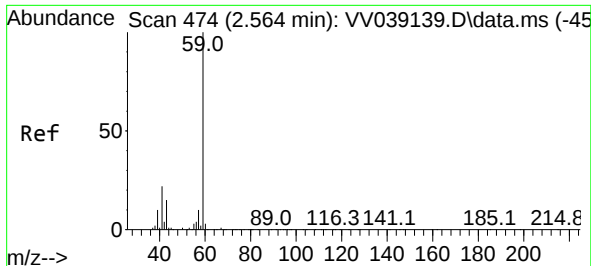
Tgt Ion: 64 Resp: 258
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.243 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:101 Resp: 30049
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.2
151 69.2 56.3 84.5

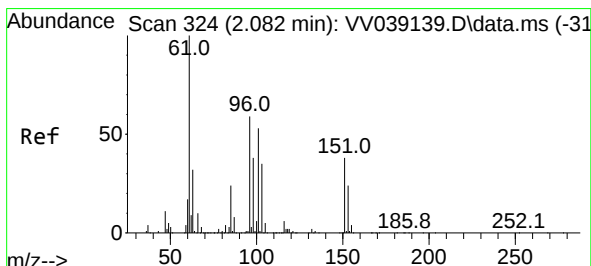
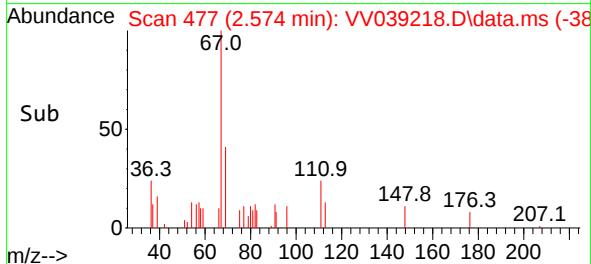
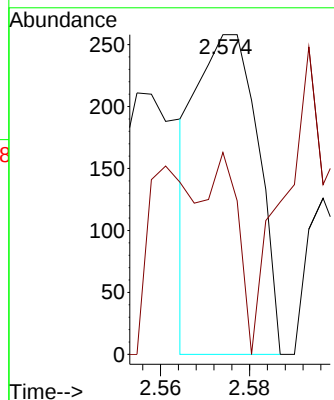
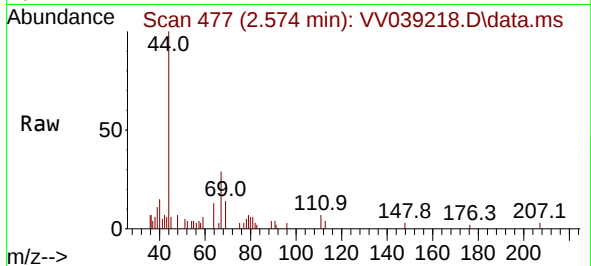




#11
Tert butyl alcohol
Concen: 0.224 ug/l
RT: 2.574 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

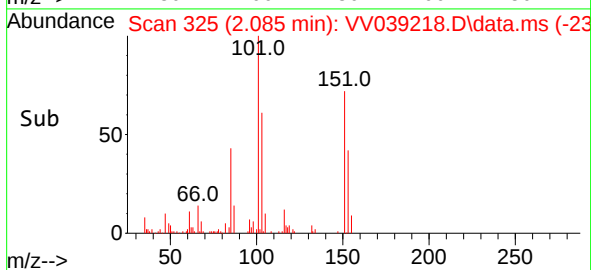
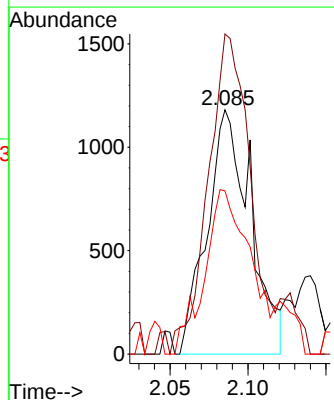
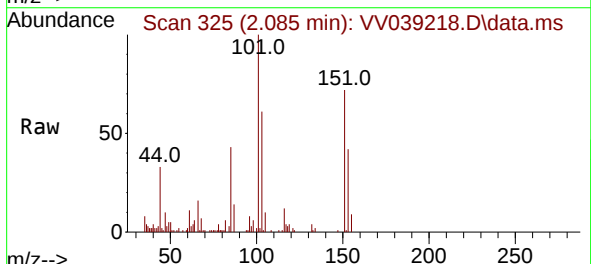
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

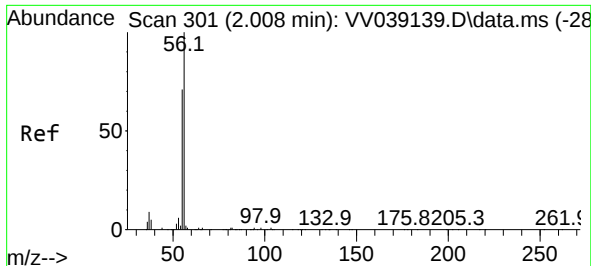
Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.417 ug/l
RT: 2.085 min Scan# 325
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 96 Resp: 2302
Ion Ratio Lower Upper
96 100
61 120.2 136.0 204.0#
98 55.5 51.0 76.6

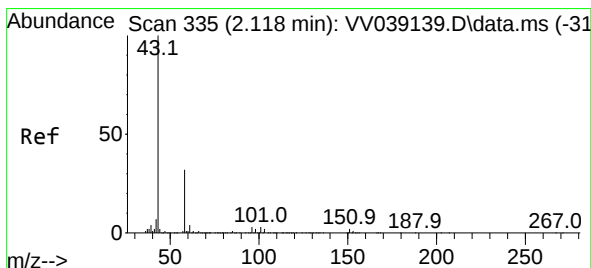
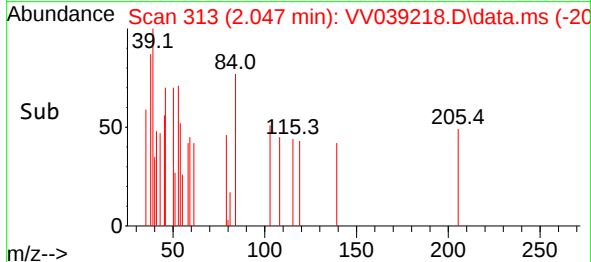
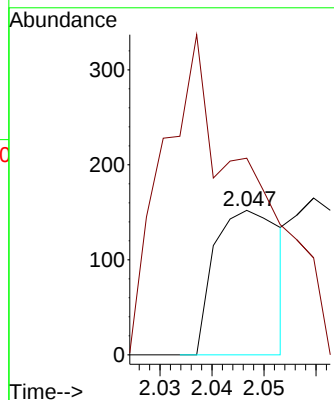
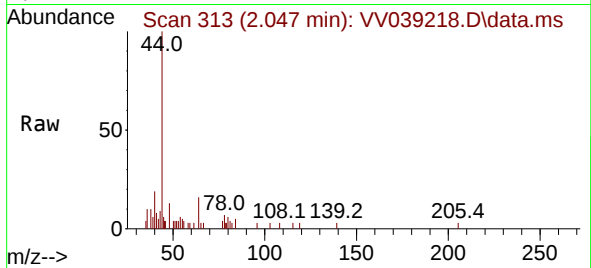




#13
Acrolein
Concen: 0.685 ug/l
RT: 2.047 min Scan# 313
Delta R.T. 0.038 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

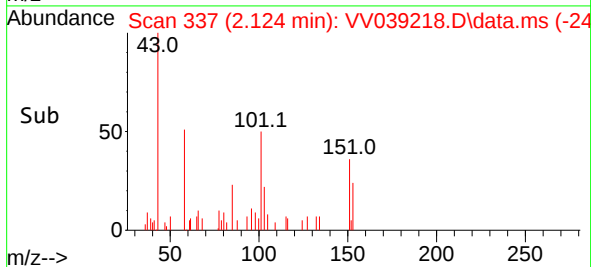
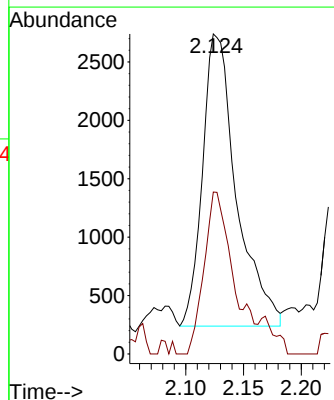
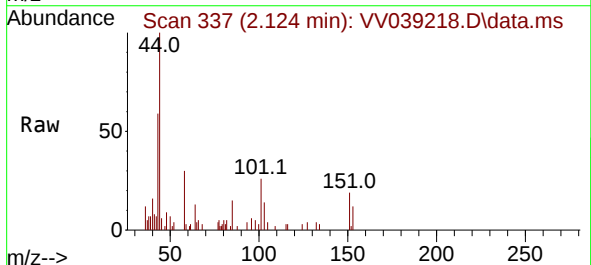
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

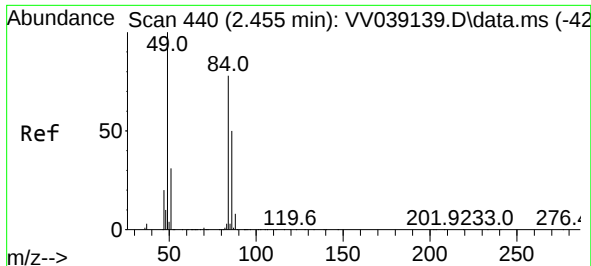
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 300.0 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
58 55.4 25.8 38.6#

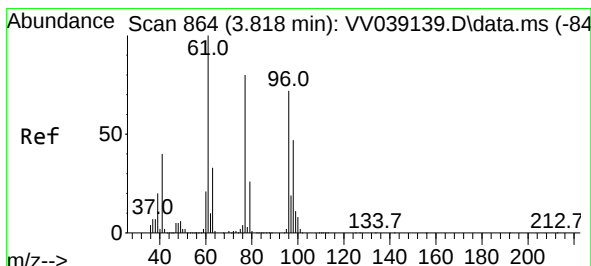
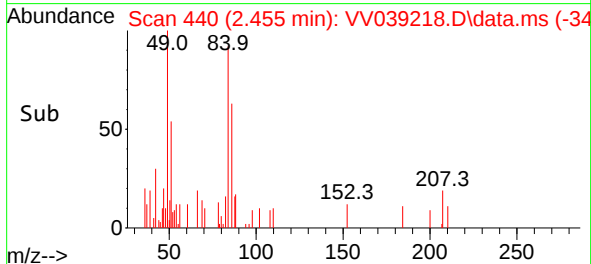
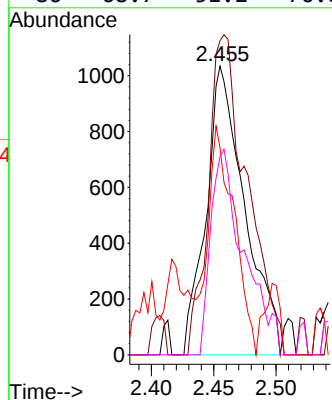
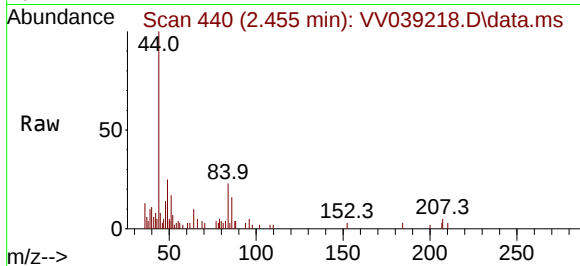




#20
Methylene Chloride
Concen: Below Cal
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

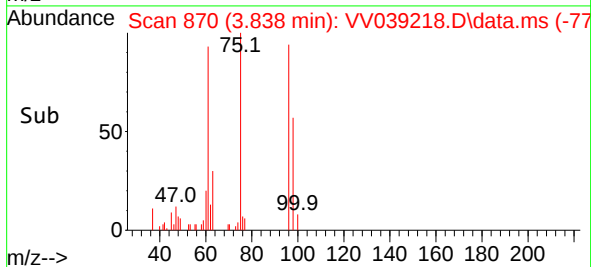
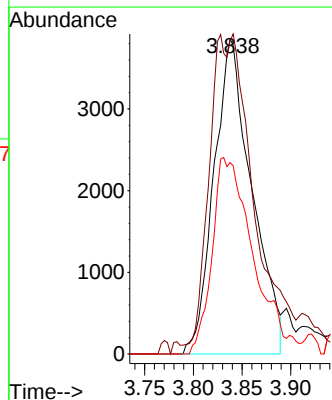
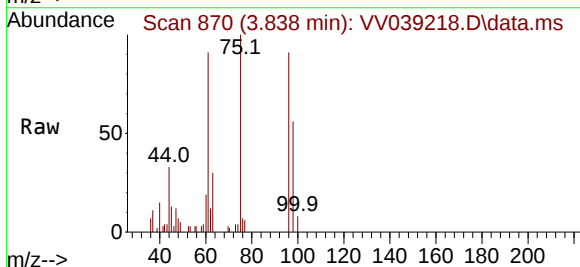
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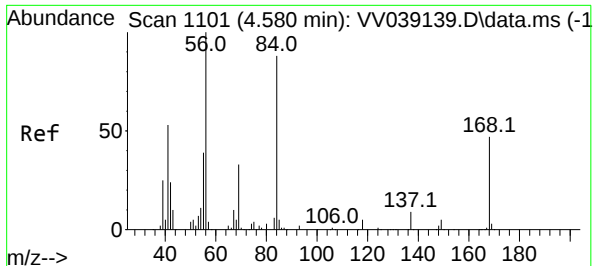
Tgt Ion:	84	Resp:	2225
Ion	Ratio	Lower	Upper
84	100		
49	108.9	102.8	154.2
51	55.6	31.9	47.9#
86	68.7	51.2	76.8



#27
cis-1,2-Dichloroethene
Concen: 1.613 ug/l
RT: 3.838 min Scan# 870
Delta R.T. 0.019 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:	96	Resp:	10444
Ion	Ratio	Lower	Upper
96	100		
61	47.2	0.0	286.4
98	65.9	0.0	126.6

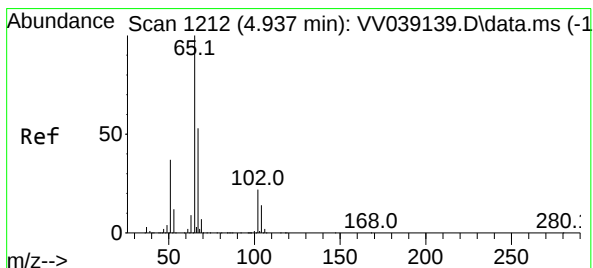
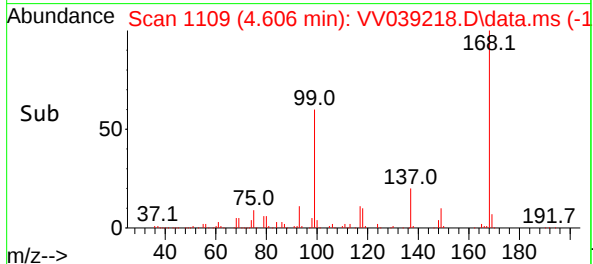
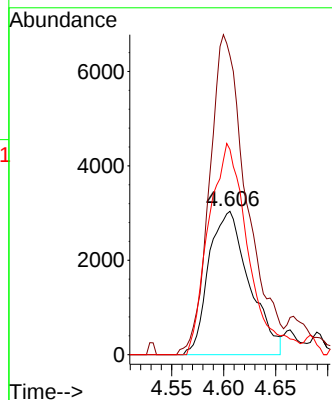
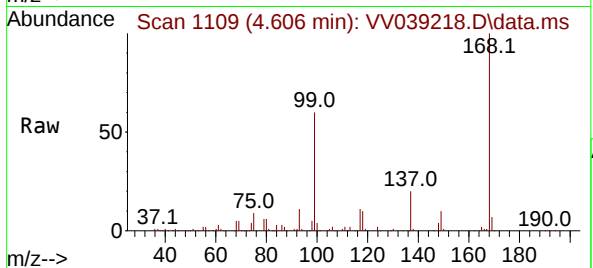




#31
Cyclohexane
Concen: 0.872 ug/l
RT: 4.606 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

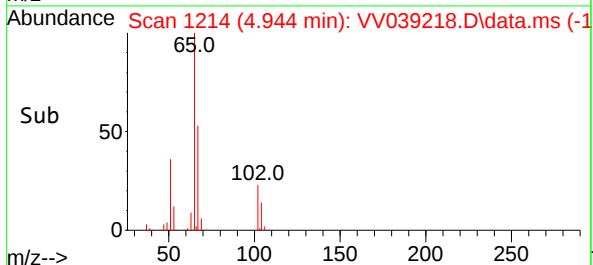
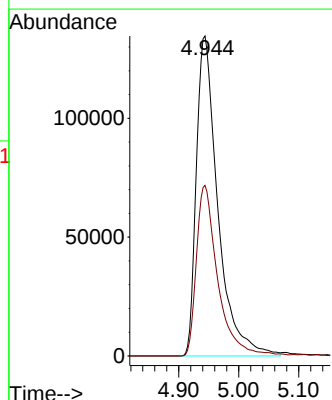
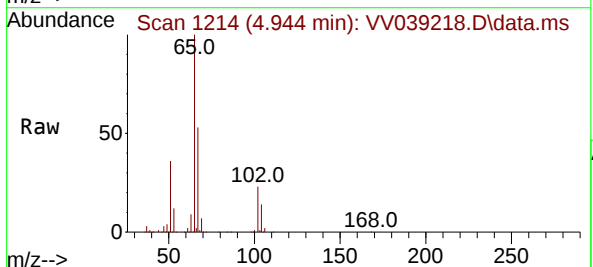
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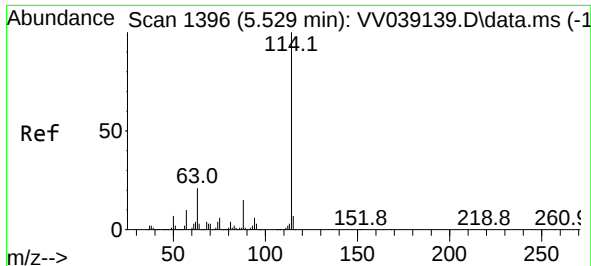
Tgt Ion: 56 Resp: 8230
Ion Ratio Lower Upper
56 100
69 204.9 26.2 39.2#
84 143.1 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 63.533 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 65 Resp: 336265
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_V

ClientSampleId :

MW-33D-091725

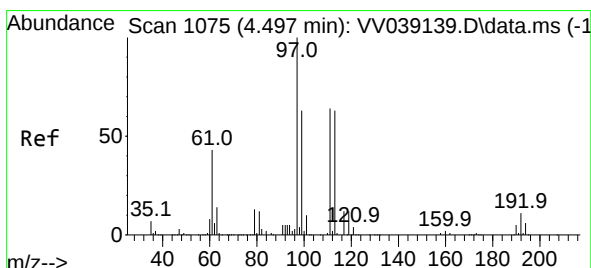
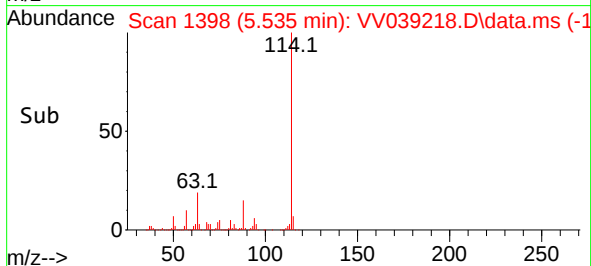
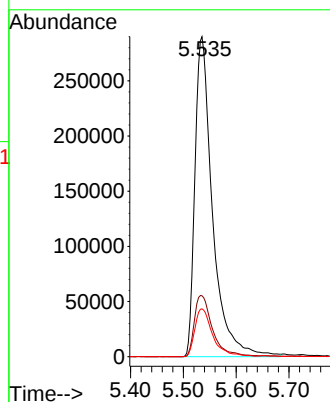
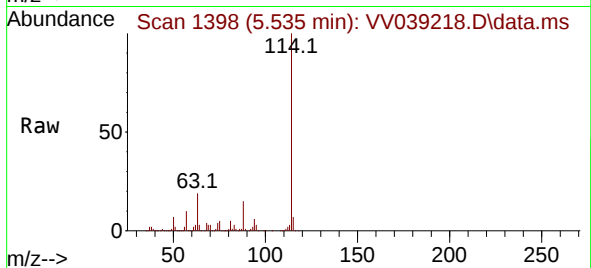
Tgt Ion:114 Resp: 671850

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

88 14.9 0.0 30.8



#35

Dibromofluoromethane

Concen: 58.161 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

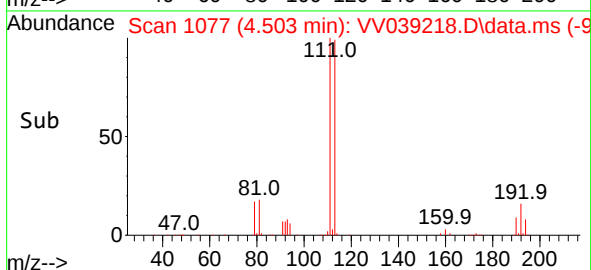
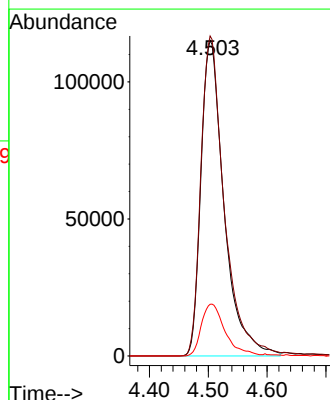
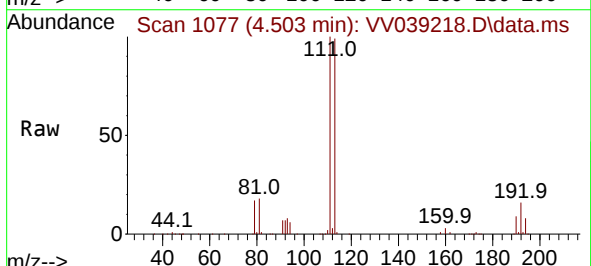
Tgt Ion:113 Resp: 314137

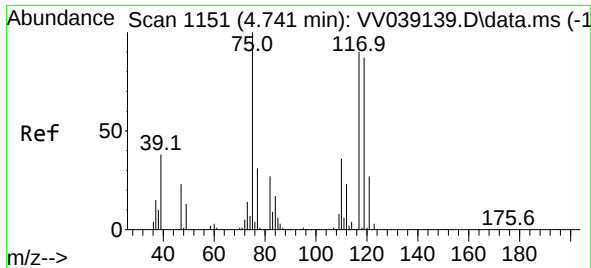
Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 17.0 13.8 20.8

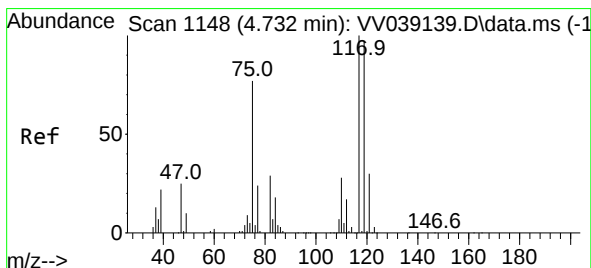
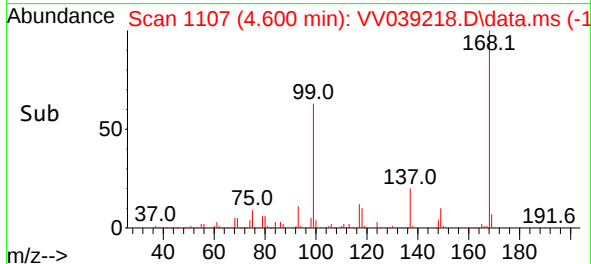
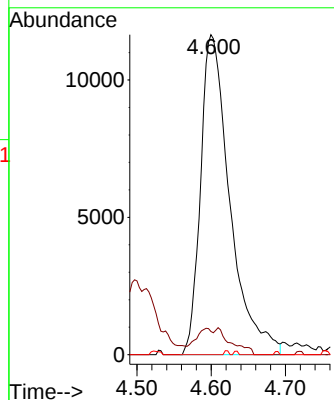
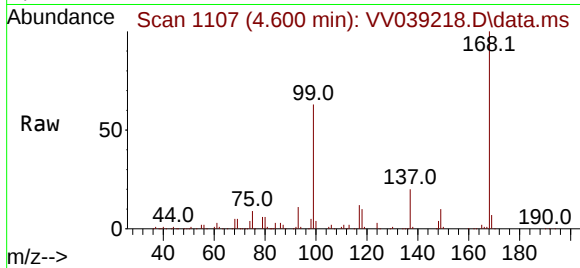




#36
 1,1-Dichloropropene
 Concen: 3.911 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.141 min
 Lab File: VV039218.D
 Acq: 26 Sep 2025 17:13

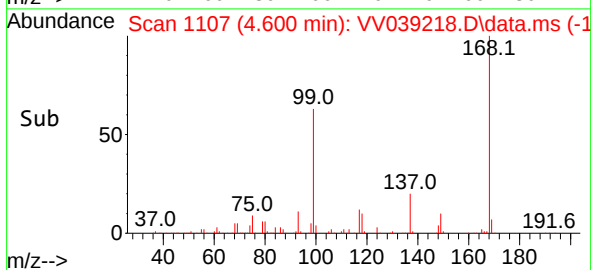
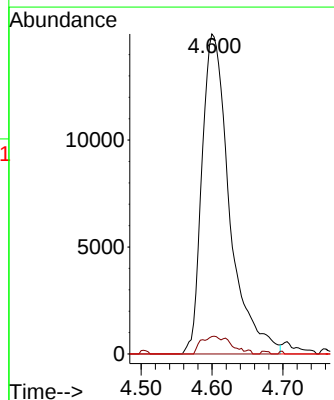
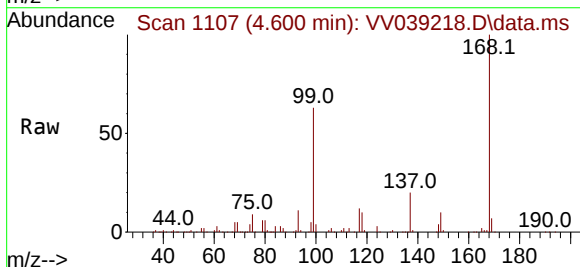
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-33D-091725

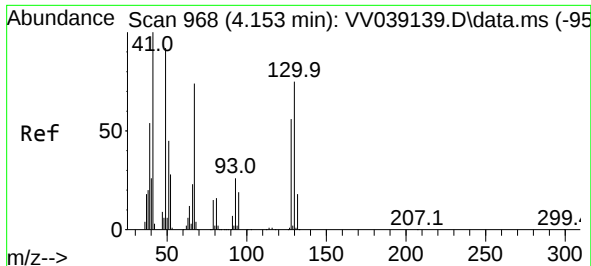
Tgt Ion: 75 Resp: 31938
 Ion Ratio Lower Upper
 75 100
 110 2.8 18.1 54.1#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 4.059 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.132 min
 Lab File: VV039218.D
 Acq: 26 Sep 2025 17:13

Tgt Ion: 117 Resp: 40507
 Ion Ratio Lower Upper
 117 100
 119 5.5 77.2 115.8#
 121 0.0 24.2 36.2#

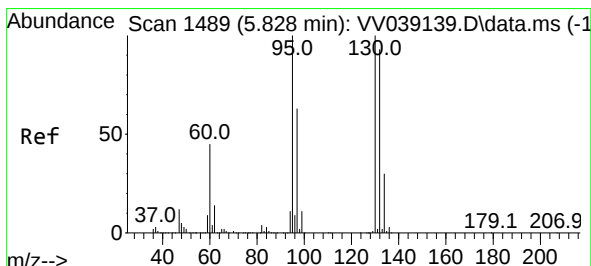
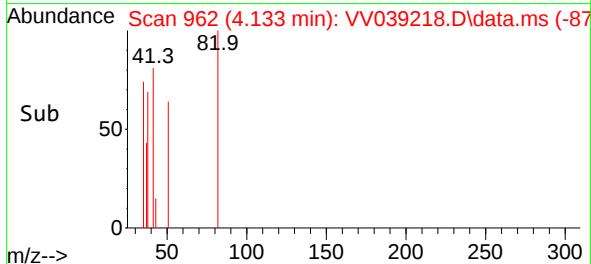
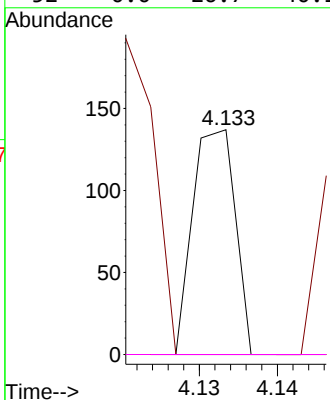
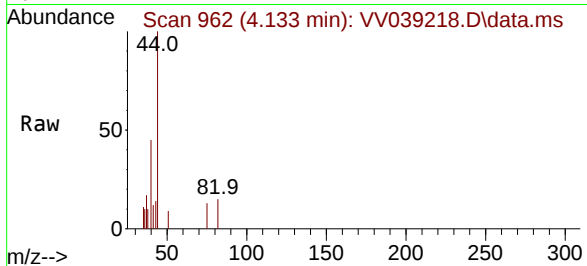




#41
Methacrylonitrile
Concen: 1.922 ug/l
RT: 4.133 min Scan# 962
Delta R.T. -0.020 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

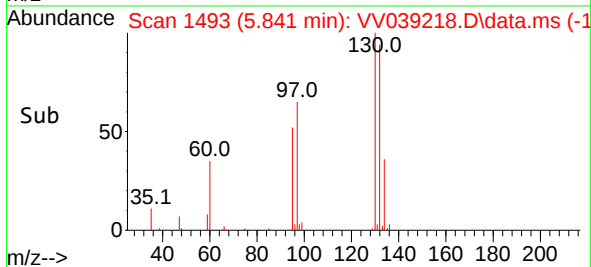
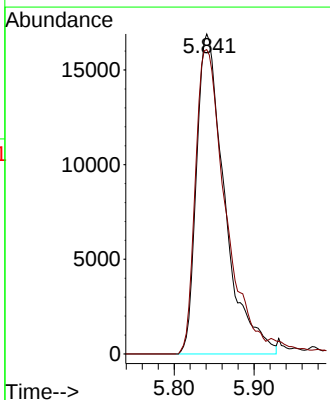
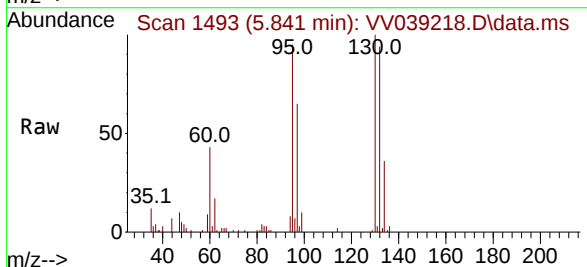
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

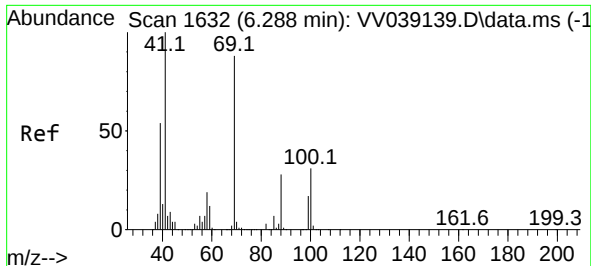
Tgt Ion:	41	Resp:	52
Ion	Ratio	Lower	Upper
41	100		
39	78.8	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#44
Trichloroethene
Concen: 6.739 ug/l
RT: 5.841 min Scan# 1493
Delta R.T. 0.013 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:	130	Resp:	41354
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	199.2





#49

1,4-Dioxane

Concen: 0.455 ug/l

RT: 6.268 min Scan# 1

Delta R.T. -0.019 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_V

ClientSampleId :

MW-33D-091725

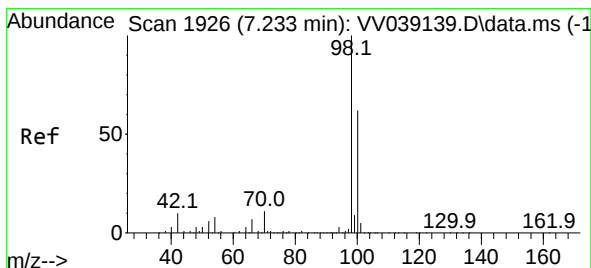
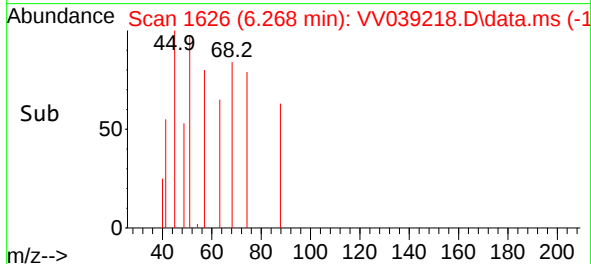
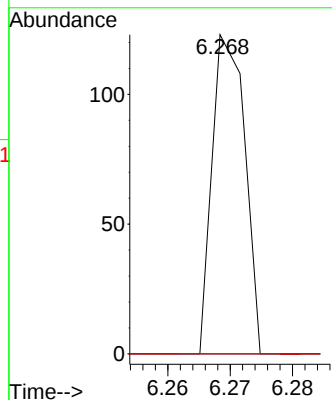
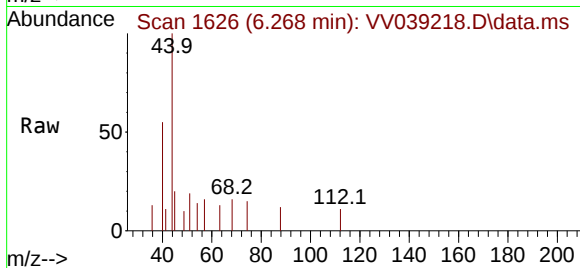
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

58 0.0 53.6 80.4#



#50

Toluene-d8

Concen: 47.112 ug/l

RT: 7.239 min Scan# 1928

Delta R.T. 0.006 min

Lab File: VV039218.D

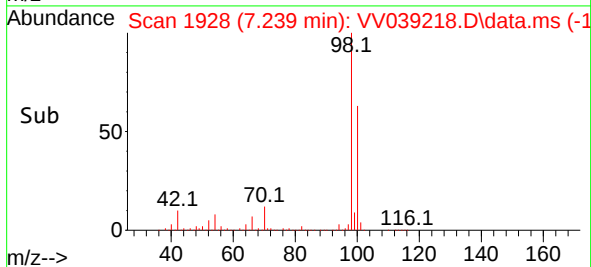
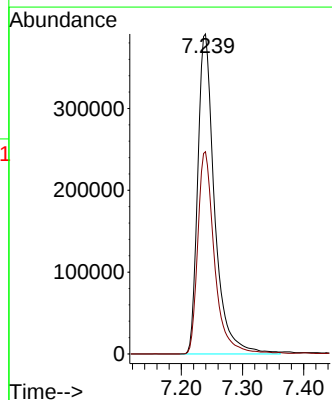
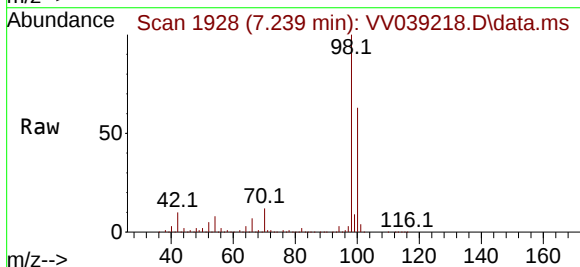
Acq: 26 Sep 2025 17:13

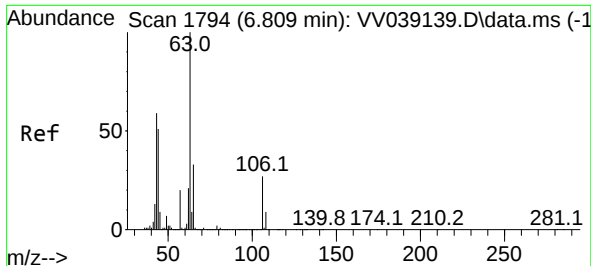
Tgt Ion: 98 Resp: 747340

Ion Ratio Lower Upper

98 100

100 62.9 52.2 78.2

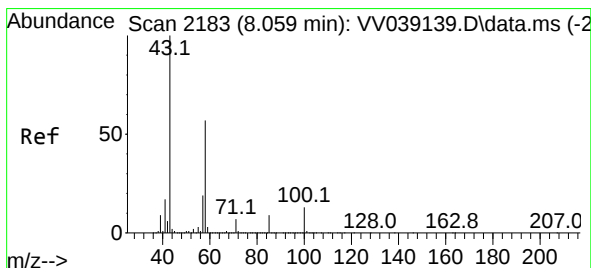
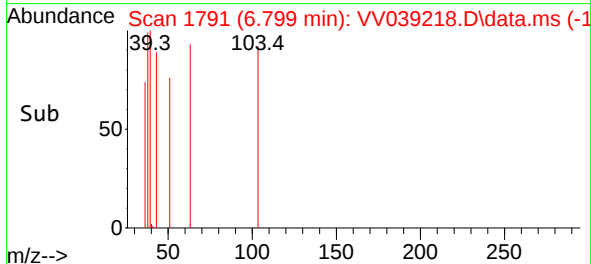
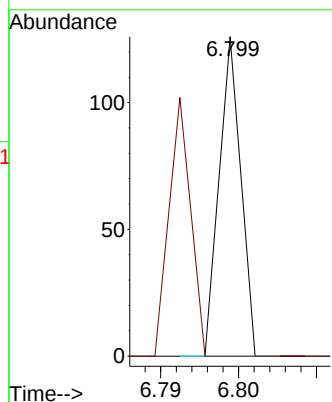
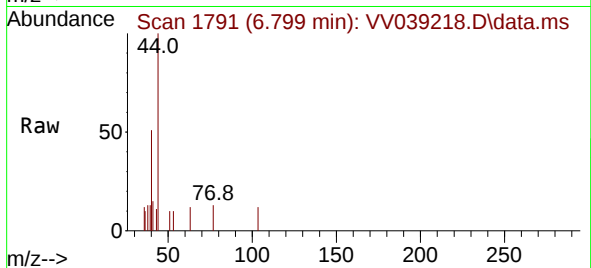




#58
2-Chloroethyl Vinyl ether
Concen: 9.628 ug/l
RT: 6.799 min Scan# 11
Delta R.T. -0.010 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

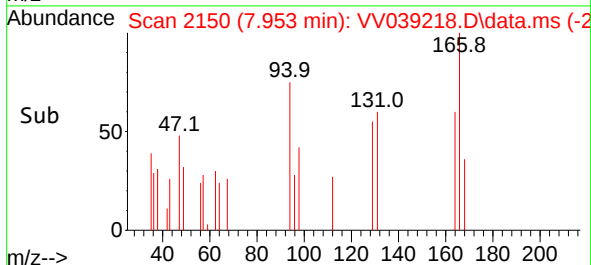
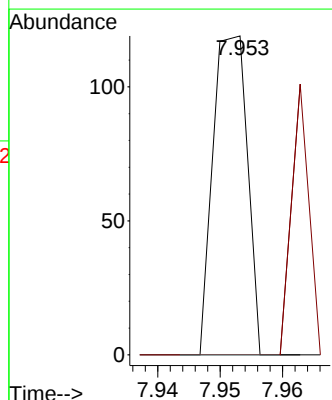
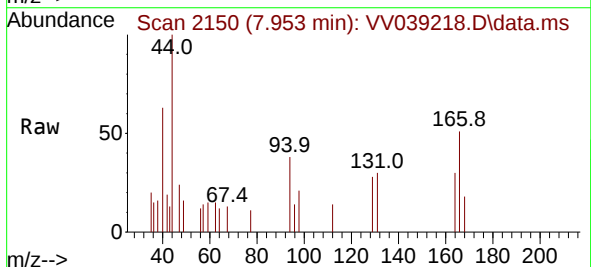
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

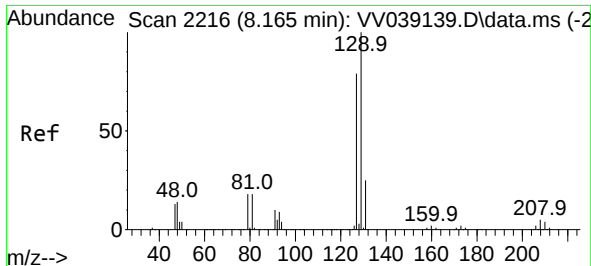
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 83.3 22.1 33.1#



#59
2-Hexanone
Concen: 2.332 ug/l
RT: 7.953 min Scan# 2150
Delta R.T. -0.106 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
58 41.3 28.3 85.0

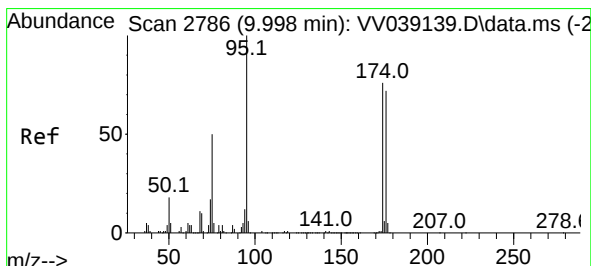
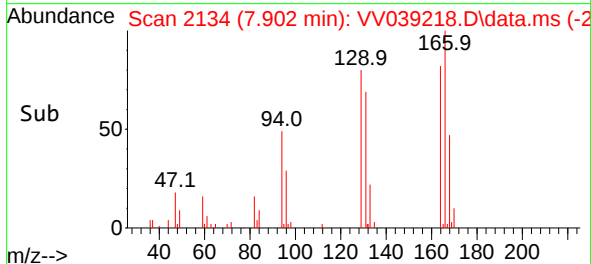
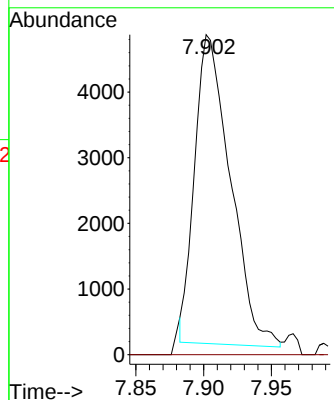
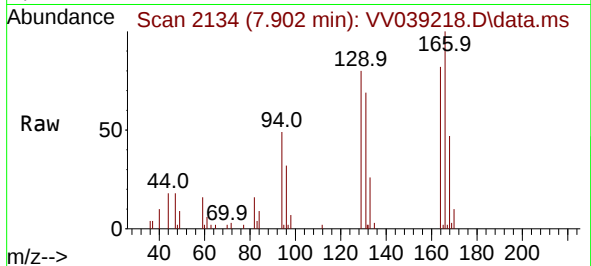




#60
 Dibromochloromethane
 Concen: 1.090 ug/l
 RT: 7.902 min Scan# 2134
 Delta R.T. -0.264 min
 Lab File: VV039218.D
 Acq: 26 Sep 2025 17:13

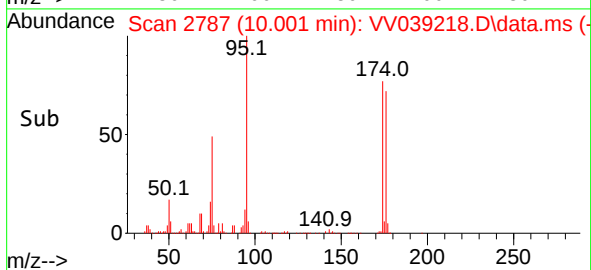
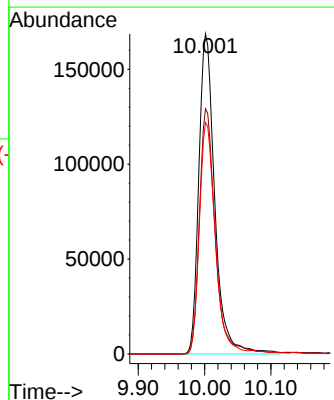
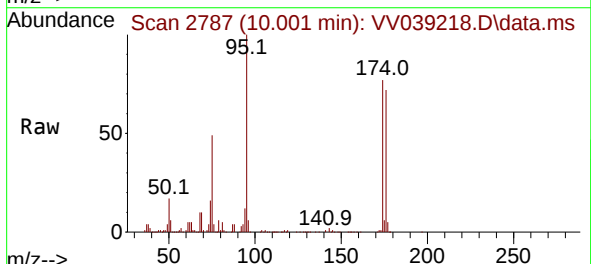
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-33D-091725

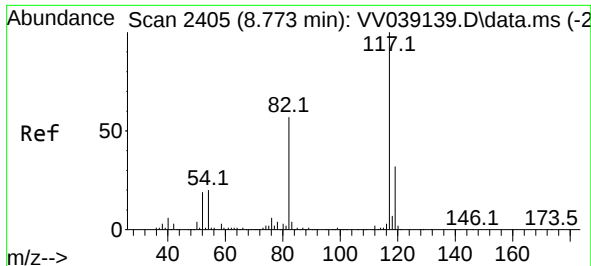
Tgt Ion:129 Resp: 8590
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.3 117.9#



#62
 4-Bromofluorobenzene
 Concen: 43.213 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. 0.003 min
 Lab File: VV039218.D
 Acq: 26 Sep 2025 17:13

Tgt Ion: 95 Resp: 282200
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 150.4
 176 71.4 0.0 144.2

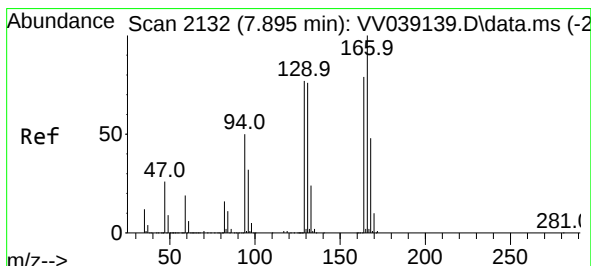
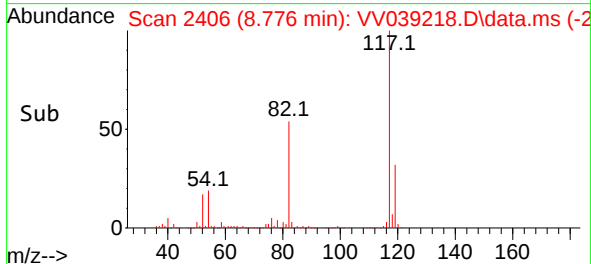
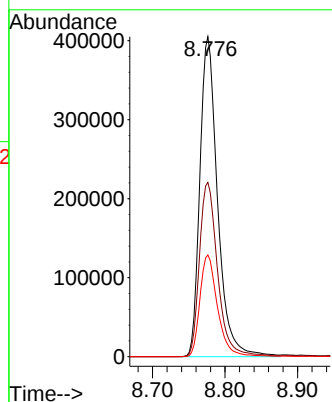
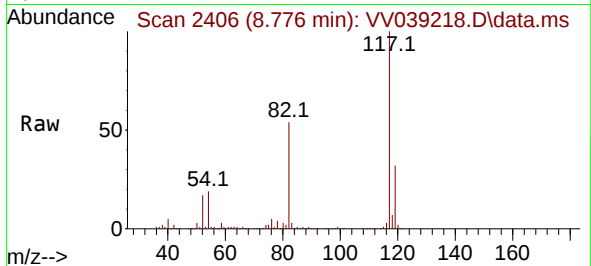




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

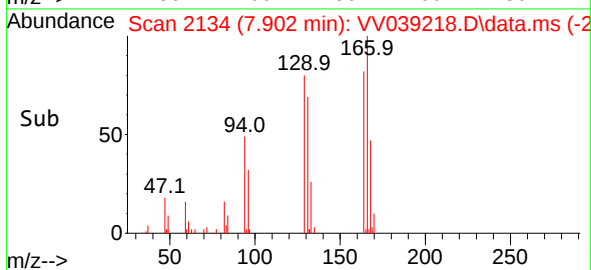
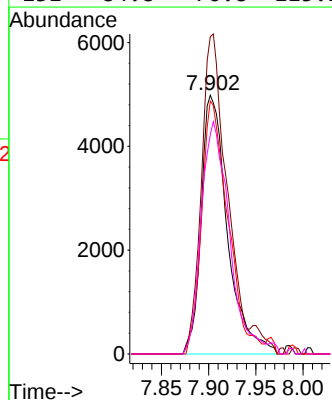
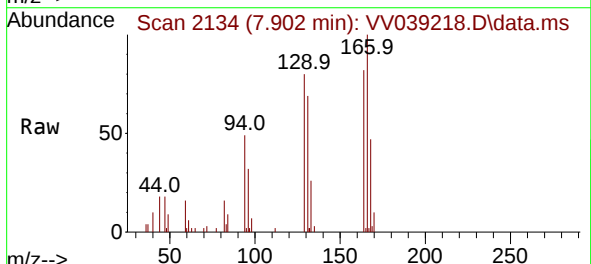
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

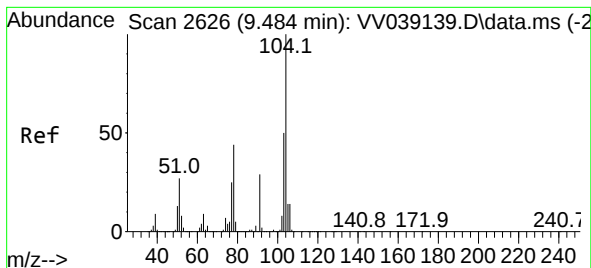
Tgt Ion:	117	Resp:	688047
Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.4	68.2
119	31.8	25.6	38.4



#64
Tetrachloroethene
Concen: 1.668 ug/l
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion:	164	Resp:	9610
Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.6	152.4
129	97.8	78.5	117.7
131	84.8	76.8	115.2





#70

Styrene

Concen: 1.562 ug/l

RT: 9.516 min Scan# 2

Delta R.T. 0.032 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_V

ClientSampleId :

MW-33D-091725

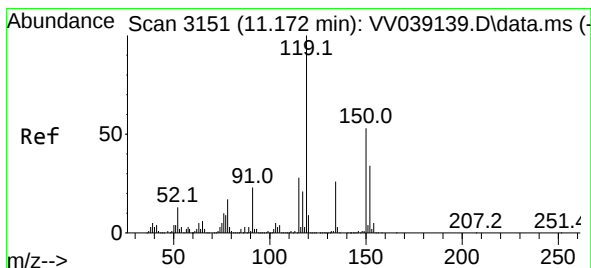
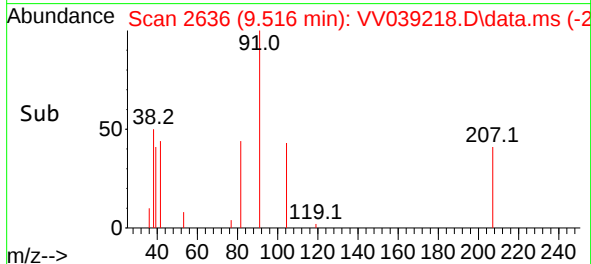
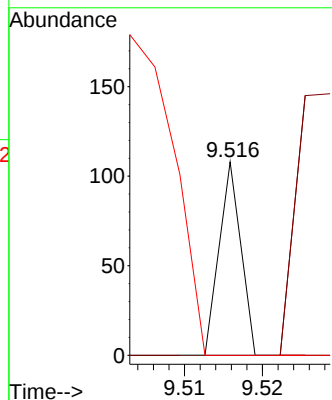
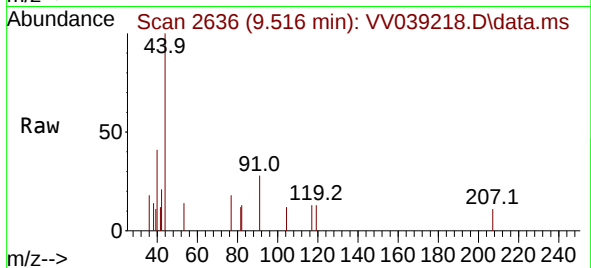
Tgt Ion:104 Resp: 21

Ion Ratio Lower Upper

104 100

78 266.7 39.8 59.6#

103 0.0 43.4 65.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039218.D

Acq: 26 Sep 2025 17:13

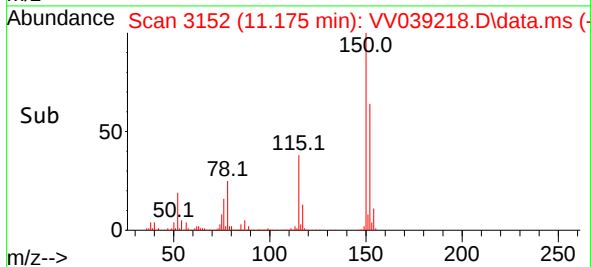
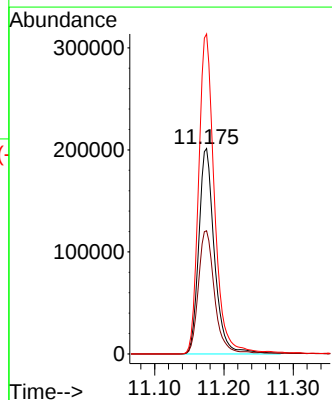
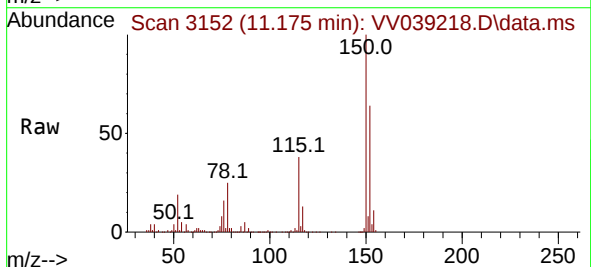
Tgt Ion:152 Resp: 318013

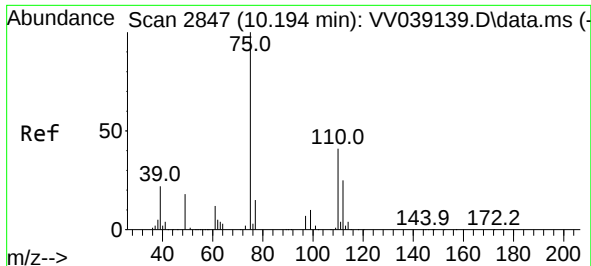
Ion Ratio Lower Upper

152 100

115 60.9 44.8 134.4

150 156.2 0.0 353.8

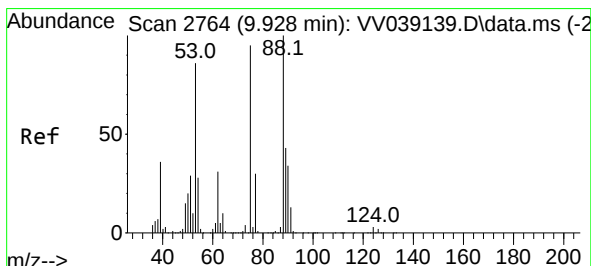
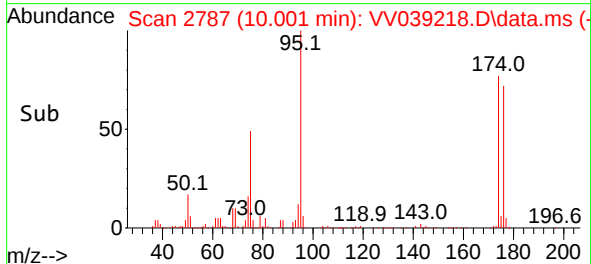
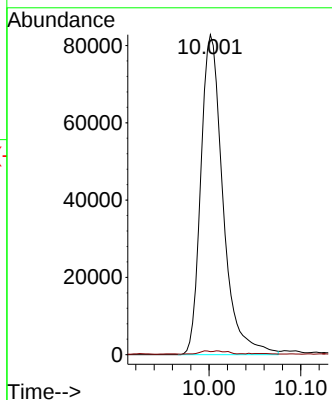
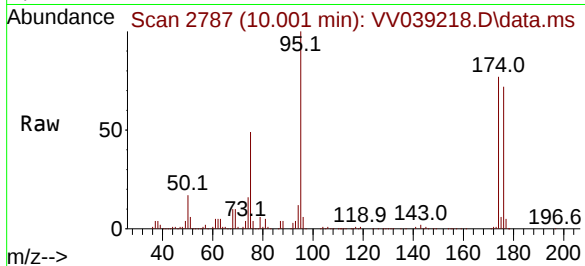




#76
1,2,3-Trichloropropane
Concen: 19.192 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.193 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

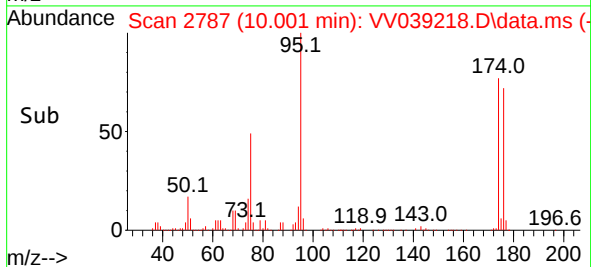
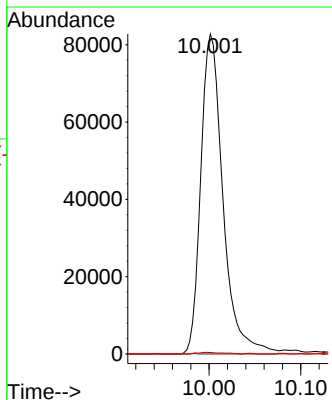
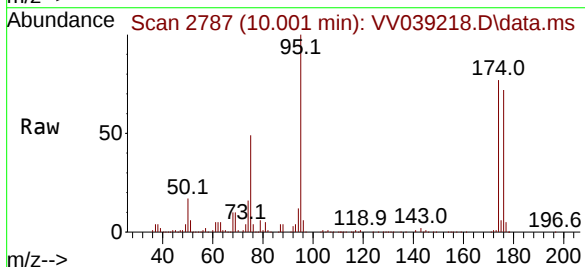
Instrument :
MSVOA_V
ClientSampleId :
MW-33D-091725

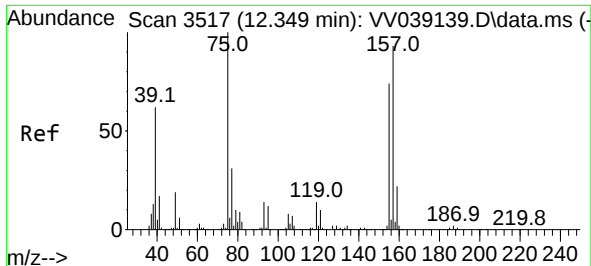
Tgt Ion: 75 Resp: 138960
Ion Ratio Lower Upper
75 100
77 0.5 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.073 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039218.D
Acq: 26 Sep 2025 17:13

Tgt Ion: 75 Resp: 138960
Ion Ratio Lower Upper
75 100
53 0.5 72.5 108.7#
89 0.1 37.2 55.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 12.313 min Scan# 31

Delta R.T. -0.036 min

Lab File: VV039218.D

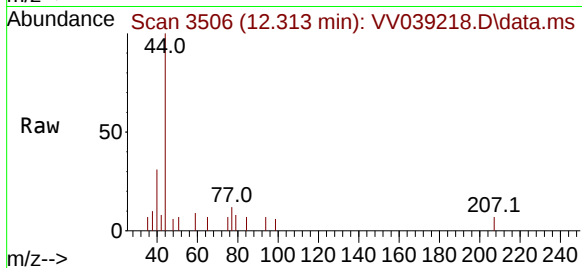
Acq: 26 Sep 2025 17:13

Instrument :

MSVOA_V

ClientSampleId :

MW-33D-091725



Tgt Ion:	75	Resp:	43
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.6	115.8#
157	0.0	49.5	148.3#

