

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039207.D
 Acq On : 26 Sep 2025 13:06
 Operator : SY/MD
 Sample : Q3195-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3-091525

Quant Time: Sep 27 02:54:46 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)

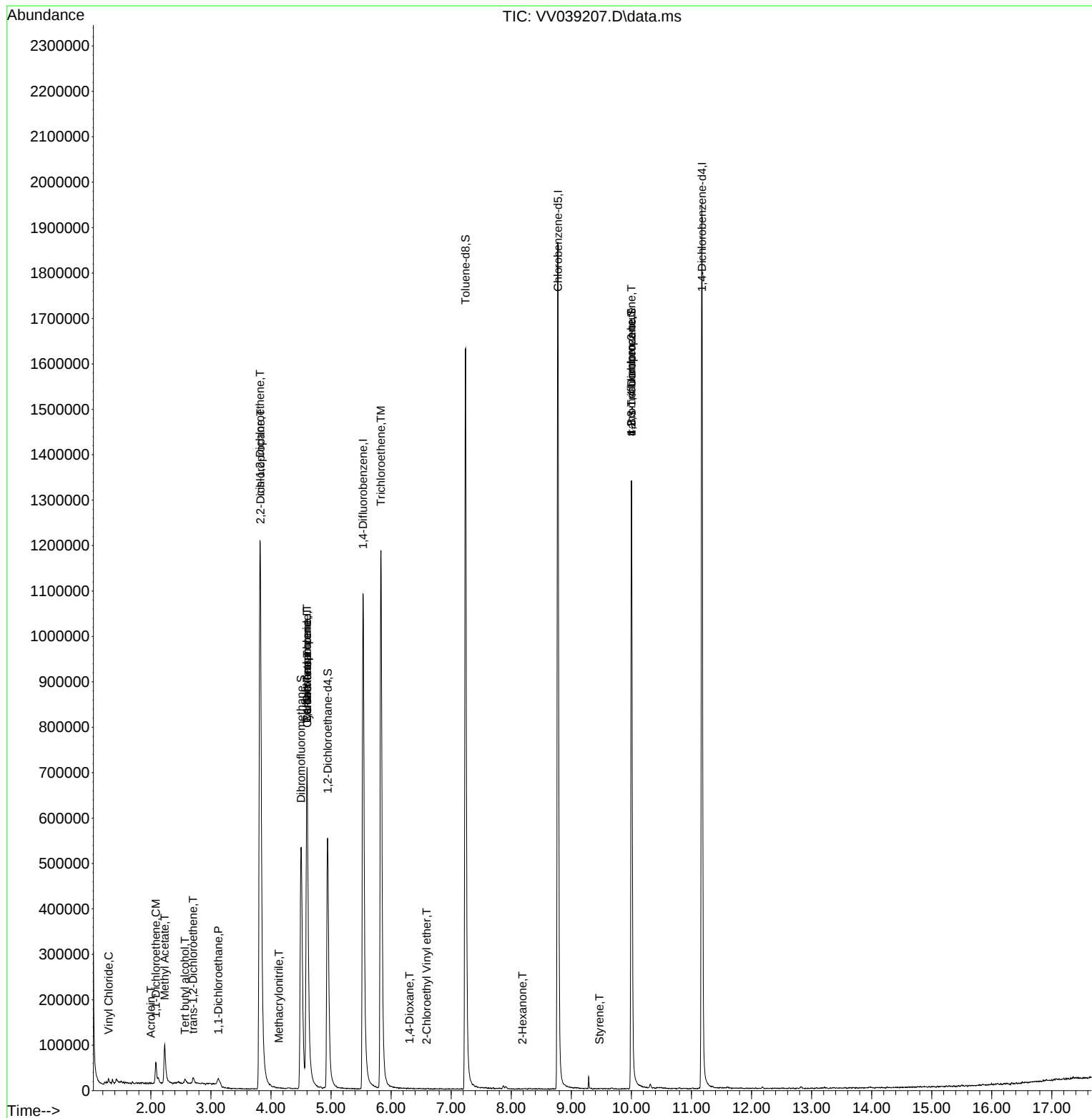
Internal Standards						
1) Pentafluorobenzene	4.600	168	599898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1062714	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1062408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	512995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	489586	56.389	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 112.780%	
35) Dibromofluoromethane	4.503	113	452849	53.006	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 106.020%	
50) Toluene-d8	7.239	98	1175353	46.842	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 93.680%	
62) 4-Bromofluorobenzene	10.001	95	460084	44.540	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 89.080%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.298	62	7551	0.692	ug/l	95
6) Chloroethane	1.564	64	113	Below Cal	#	44
11) Tert butyl alcohol	2.568	59	3877	2.113	ug/l #	91
12) 1,1-Dichloroethene	2.082	96	18071	1.998	ug/l	91
13) Acrolein	2.002	56	159	0.499	ug/l #	15
16) Acetone	2.127	43	11346	Below Cal		96
18) Methyl Acetate	2.230	43	23422	1.821	ug/l #	53
20) Methylene Chloride	2.458	84	1640	Below Cal		86
21) trans-1,2-Dichloroethene	2.703	96	5753	0.597	ug/l	96
24) 1,1-Dichloroethane	3.124	63	12888	0.682	ug/l #	94
26) 2,2-Dichloropropane	3.825	77	4192	0.250	ug/l #	1
27) cis-1,2-Dichloroethene	3.818	96	749183	70.547	ug/l	87
31) Cyclohexane	4.603	56	13461	0.869	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	51949	4.022	ug/l #	48
38) Carbon Tetrachloride	4.600	117	65022	4.119	ug/l #	17
41) Methacrylonitrile	4.133	41	392	1.964	ug/l #	40
44) Trichloroethene	5.831	130	472103	48.641	ug/l	97
49) 1,4-Dioxane	6.304	88	50	0.320	ug/l #	59
58) 2-Chloroethyl Vinyl ether	6.593	63	74	9.632	ug/l	99
59) 2-Hexanone	8.188	43	44	2.329	ug/l	94
70) Styrene	9.468	104	20	1.562	ug/l #	26
76) 1,2,3-Trichloropropane	10.001	75	230024	19.694	ug/l #	57
81) trans-1,4-Dichloro-2-b...	10.001	75	230024	47.278	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.361	75	22	Below Cal	#	5

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
Data File : VV039207.D
Acq On : 26 Sep 2025 13:06
Operator : SY/MD
Sample : Q3195-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

Quant Time: Sep 27 02:54:46 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

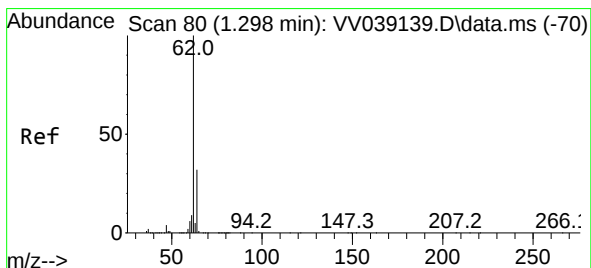
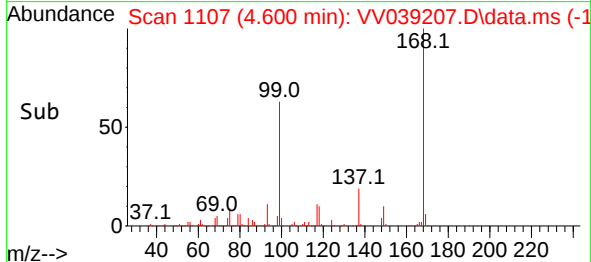
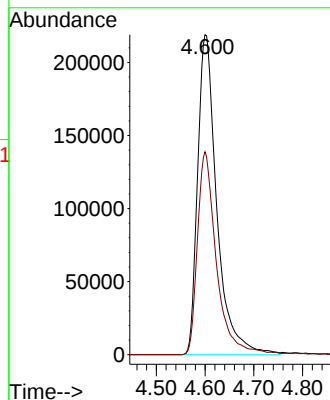
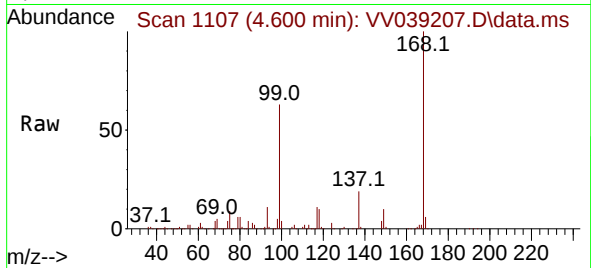




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

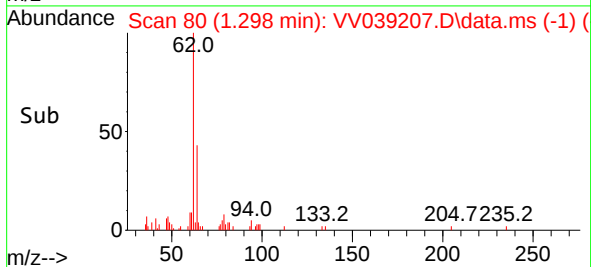
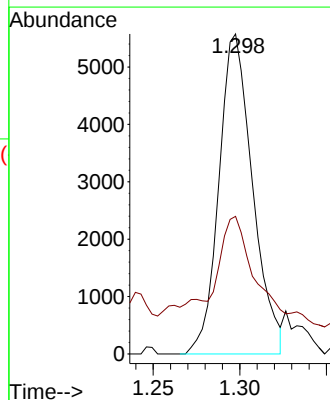
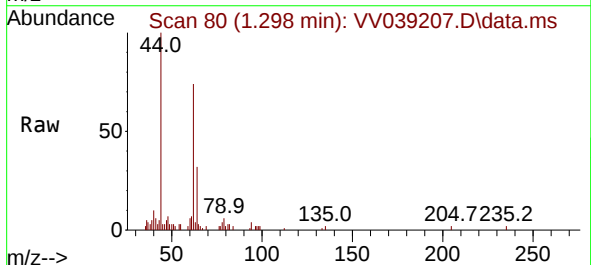
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

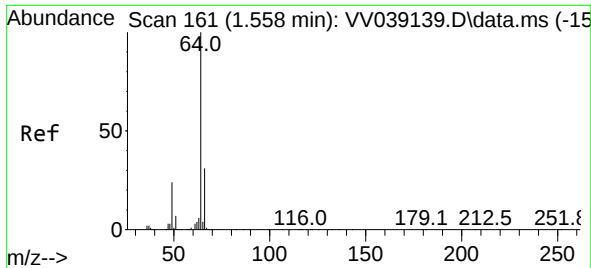
Tgt Ion:168 Resp: 599898
Ion Ratio Lower Upper
168 100
99 63.4 49.6 74.4



#4
Vinyl Chloride
Concen: 0.692 ug/l
RT: 1.298 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 62 Resp: 7551
Ion Ratio Lower Upper
62 100
64 29.2 25.6 38.4

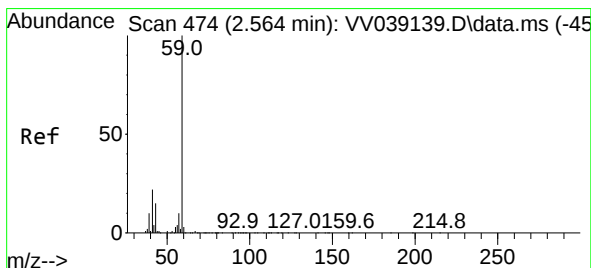
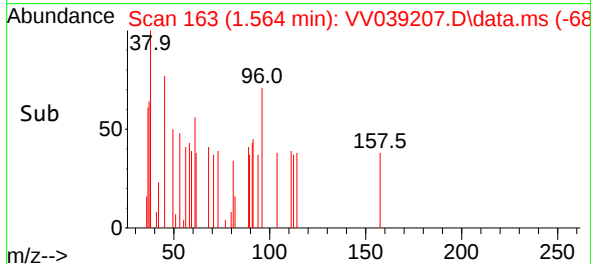
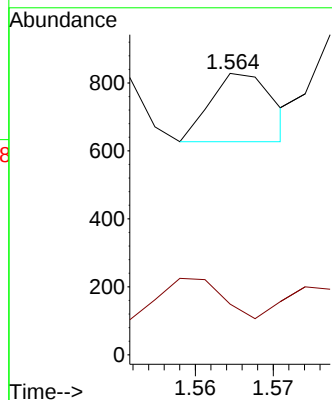
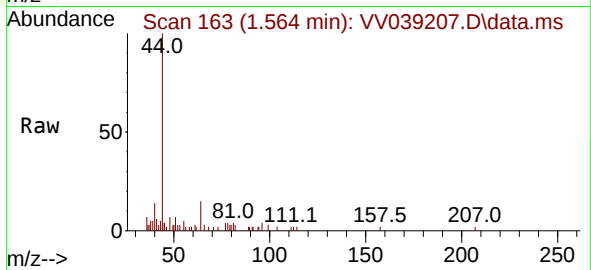




#6
Chloroethane
Concen: Below Cal
RT: 1.564 min Scan# 113
Delta R.T. 0.006 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

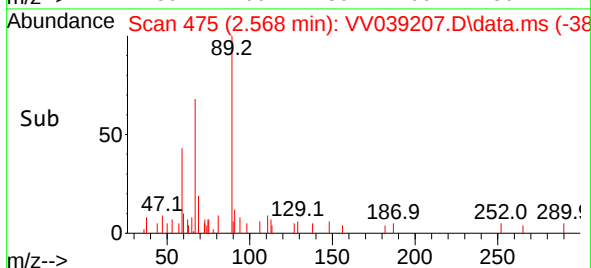
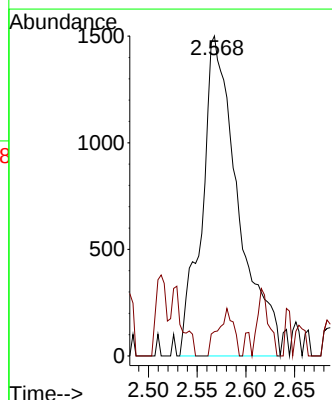
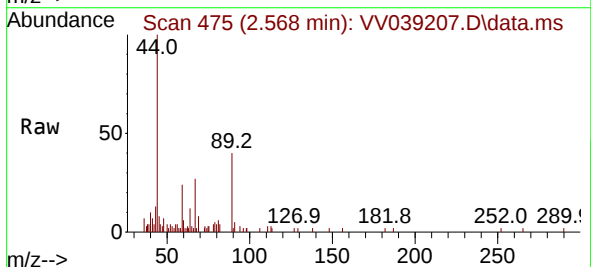
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

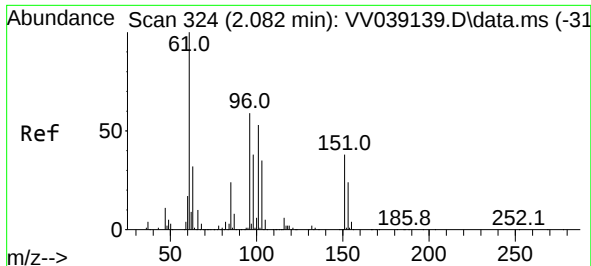
Tgt Ion: 64 Resp: 113
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#11
Tert butyl alcohol
Concen: 2.113 ug/l
RT: 2.568 min Scan# 475
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 59 Resp: 3877
Ion Ratio Lower Upper
59 100
57 6.3 7.8 11.8#

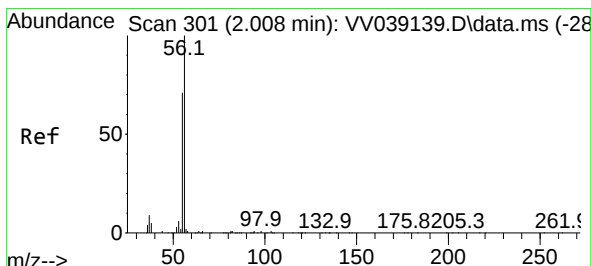
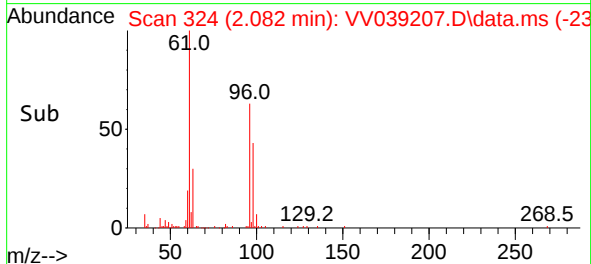
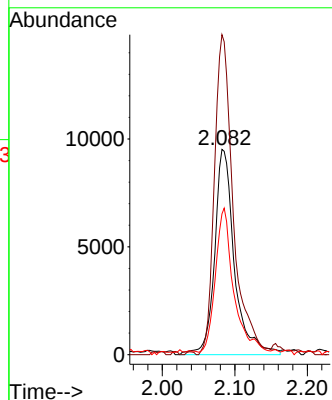
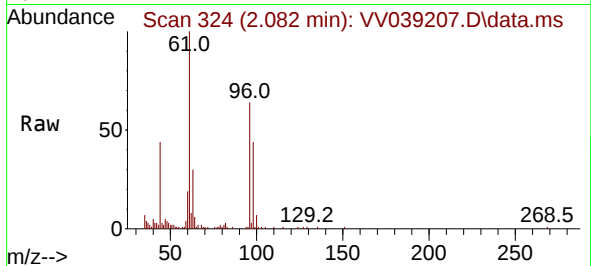




#12
1,1-Dichloroethene
Concen: 1.998 ug/l
RT: 2.082 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

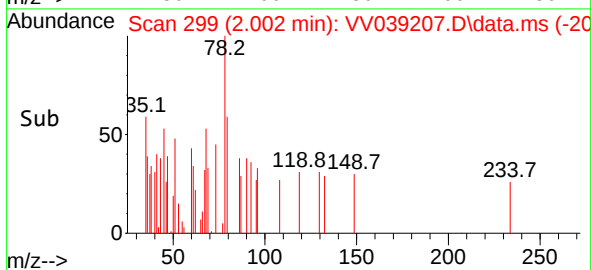
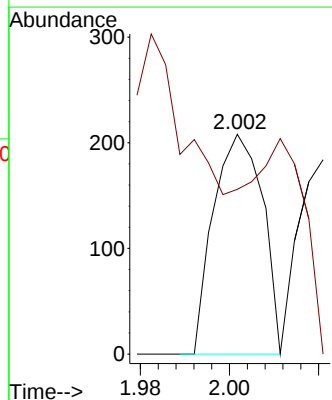
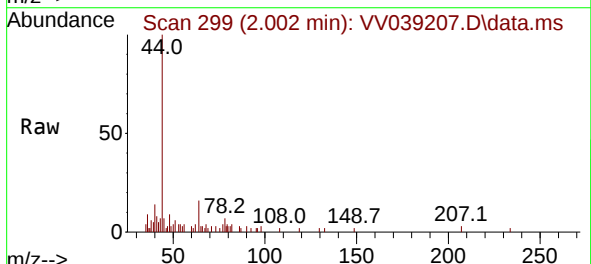
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

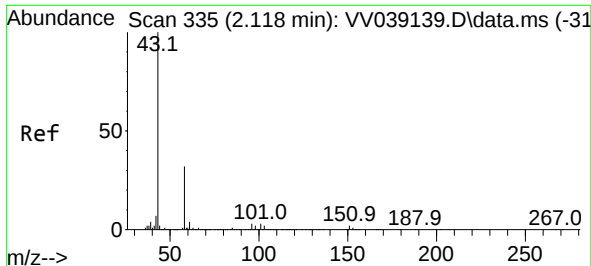
Tgt Ion: 96 Resp: 18071
Ion Ratio Lower Upper
96 100
61 155.9 136.0 204.0
98 67.2 51.0 76.6



#13
Acrolein
Concen: 0.499 ug/l
RT: 2.002 min Scan# 299
Delta R.T. -0.006 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

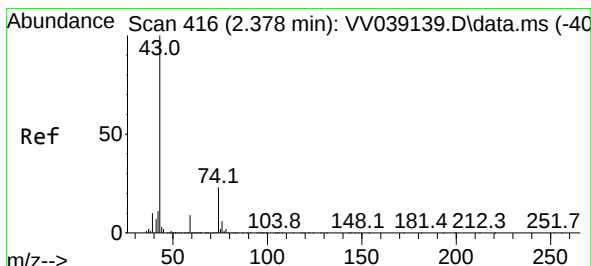
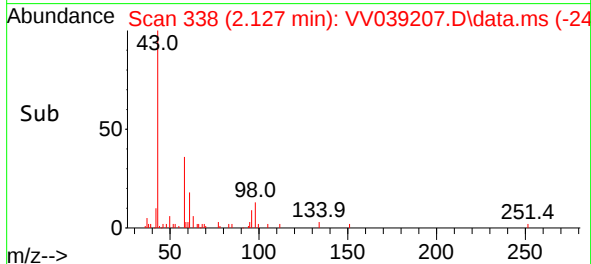
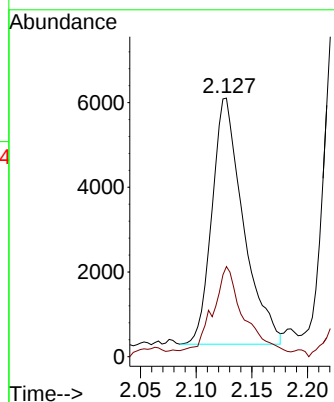
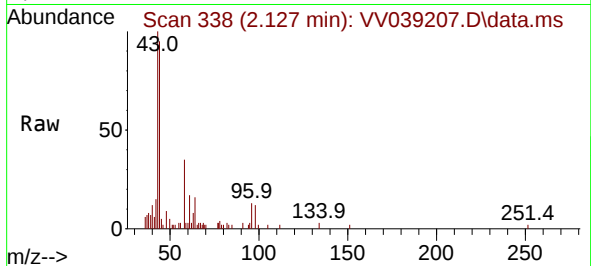




#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

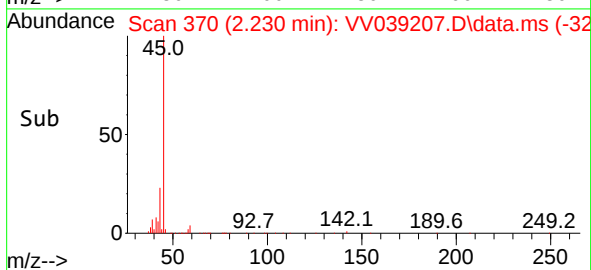
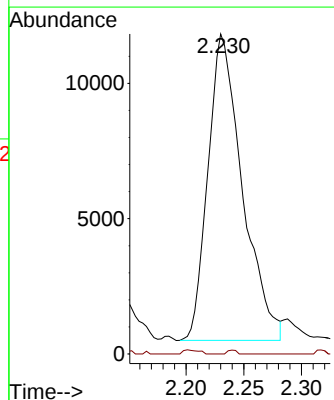
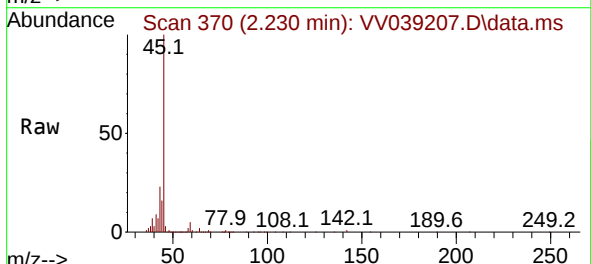
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

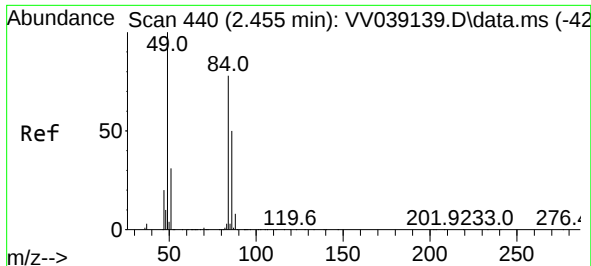
Tgt Ion: 43 Resp: 11346
Ion Ratio Lower Upper
43 100
58 34.2 25.8 38.6



#18
Methyl Acetate
Concen: 1.821 ug/l
RT: 2.230 min Scan# 370
Delta R.T. -0.148 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 43 Resp: 23422
Ion Ratio Lower Upper
43 100
74 0.3 18.6 27.8#

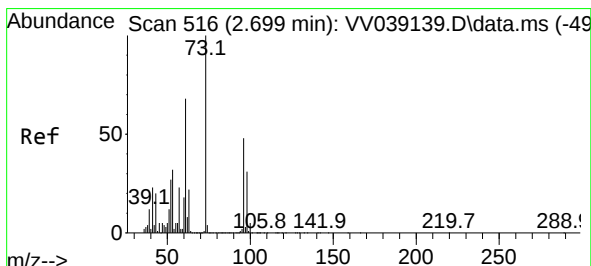
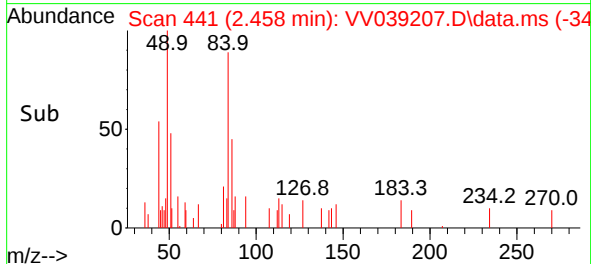
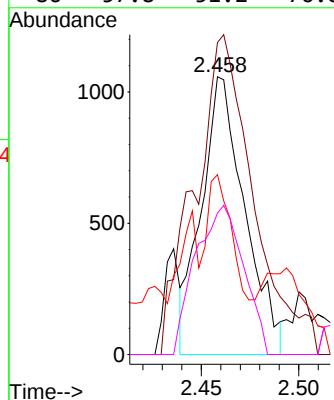
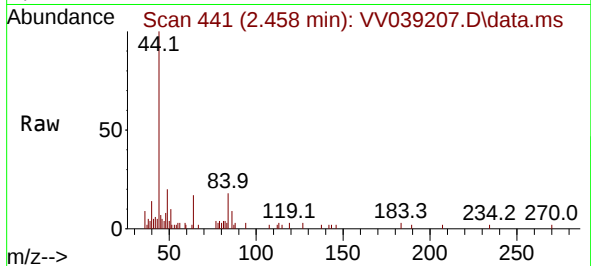




#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

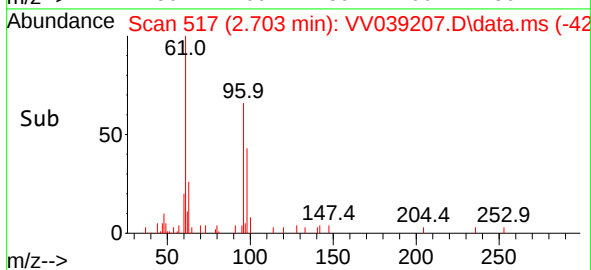
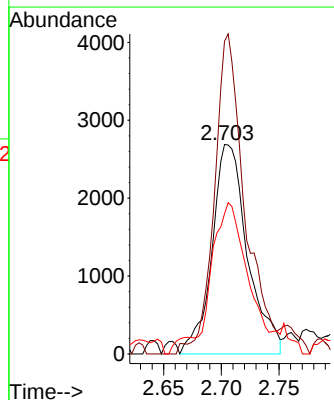
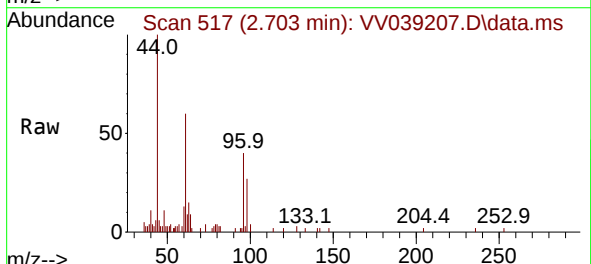
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

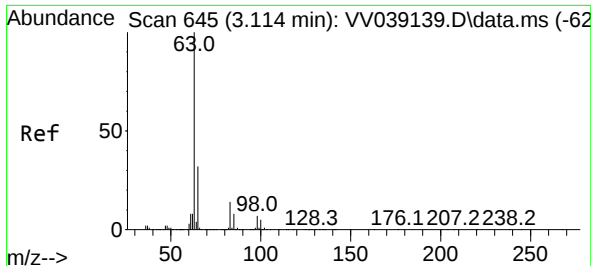
Tgt Ion:	84	Resp:	1640
Ion	Ratio	Lower	Upper
84	100		
49	103.8	102.8	154.2
51	40.4	31.9	47.9
86	57.8	51.2	76.8



#21
trans-1,2-Dichloroethene
Concen: 0.597 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion:	96	Resp:	5753
Ion	Ratio	Lower	Upper
96	100		
61	144.5	112.8	169.2
98	59.7	51.1	76.7

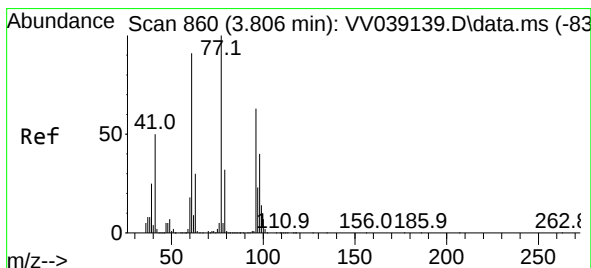
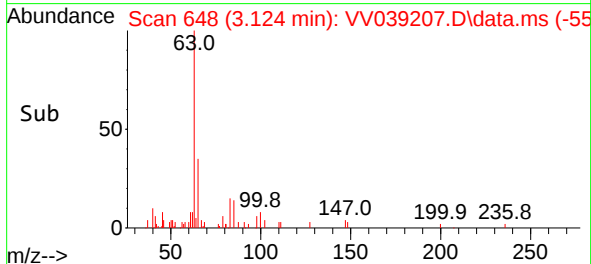
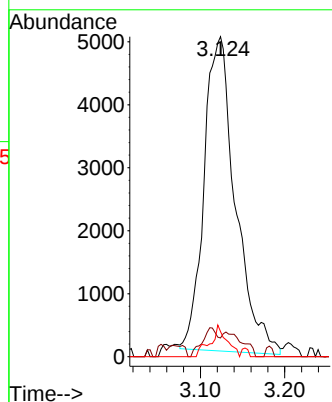
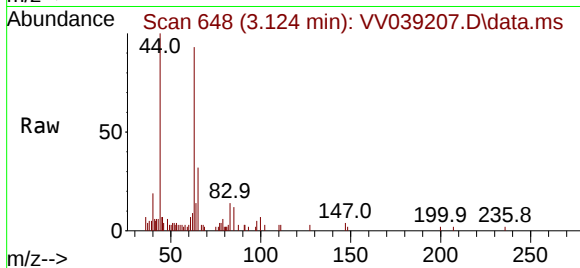




#24
 1,1-Dichloroethane
 Concen: 0.682 ug/l
 RT: 3.124 min Scan# 645
 Delta R.T. 0.010 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

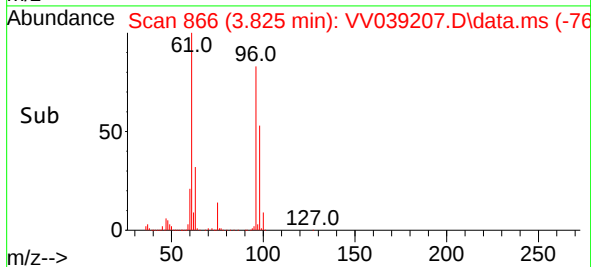
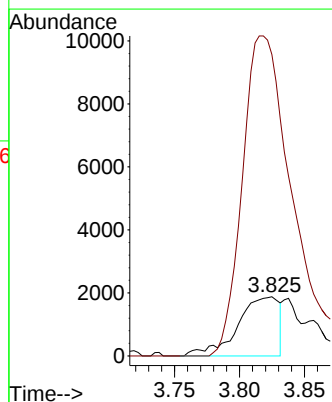
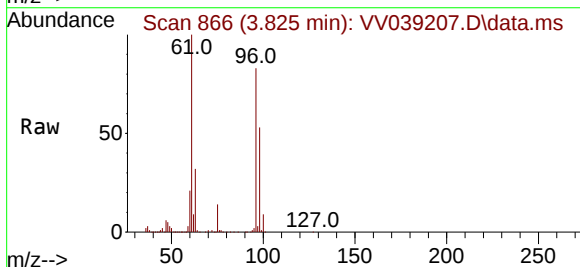
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3-091525

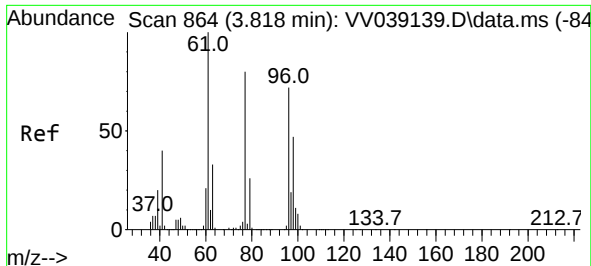
Tgt Ion: 63 Resp: 12888
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 8.1 2.2 6.6#



#26
 2,2-Dichloropropane
 Concen: 0.250 ug/l
 RT: 3.825 min Scan# 866
 Delta R.T. 0.019 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

Tgt Ion: 77 Resp: 4192
 Ion Ratio Lower Upper
 77 100
 97 652.4 11.6 34.7#

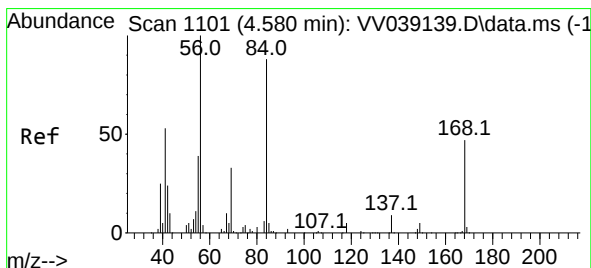
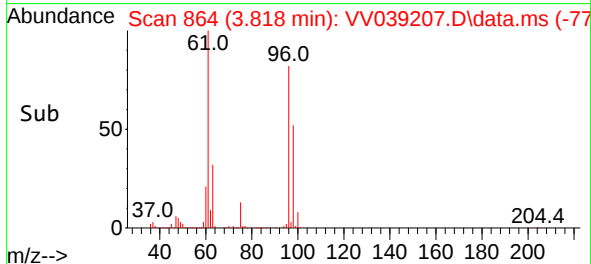
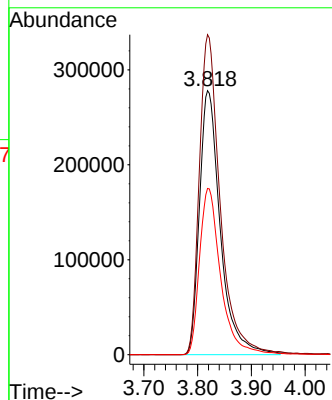
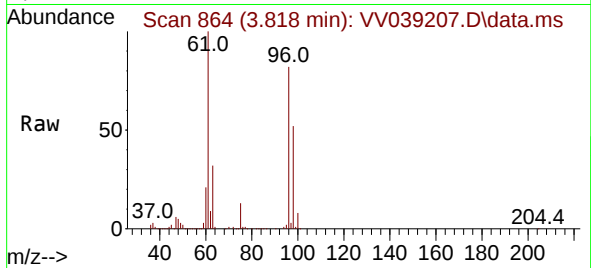




#27
 cis-1,2-Dichloroethene
 Concen: 70.547 ug/l
 RT: 3.818 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

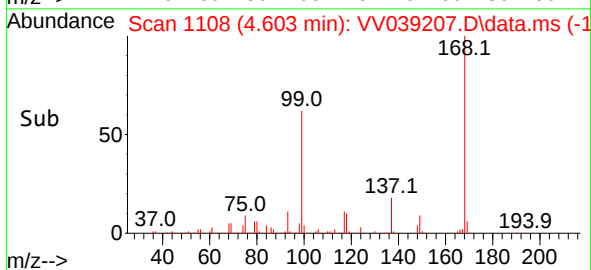
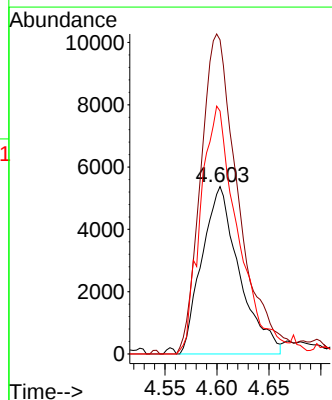
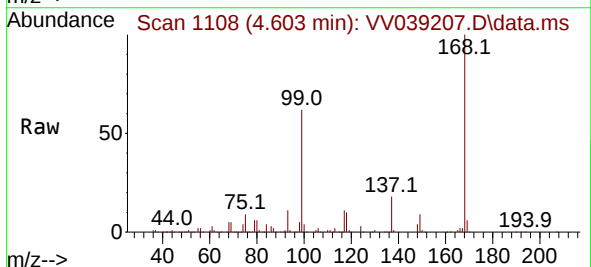
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3-091525

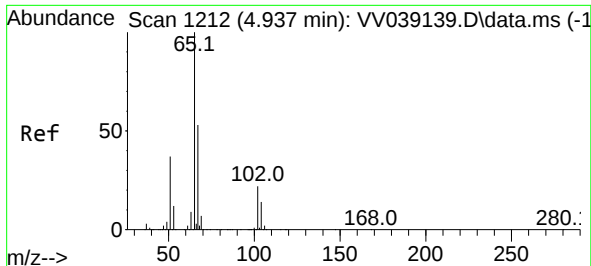
Tgt Ion: 96 Resp: 749183
 Ion Ratio Lower Upper
 96 100
 61 121.2 0.0 286.4
 98 63.9 0.0 126.6



#31
 Cyclohexane
 Concen: 0.869 ug/l
 RT: 4.603 min Scan# 1108
 Delta R.T. 0.022 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

Tgt Ion: 56 Resp: 13461
 Ion Ratio Lower Upper
 56 100
 69 183.8 26.2 39.2#
 84 142.7 70.3 105.5#

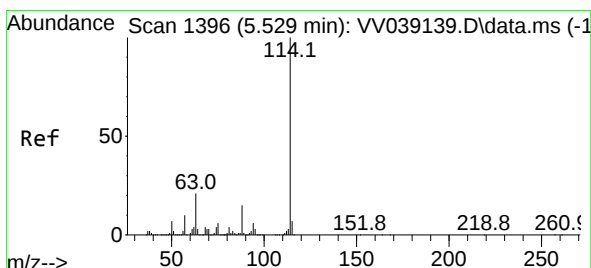
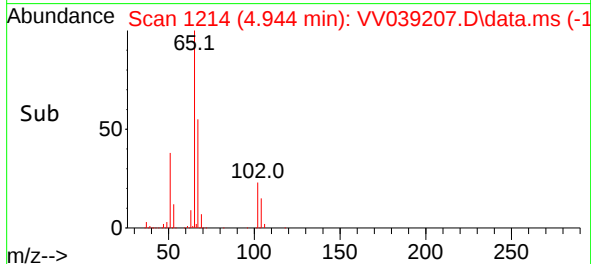
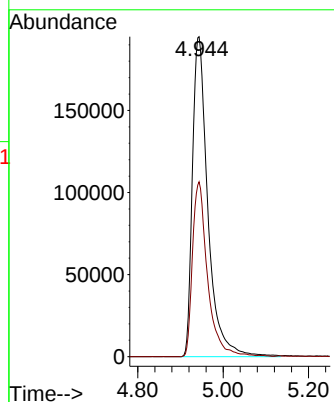
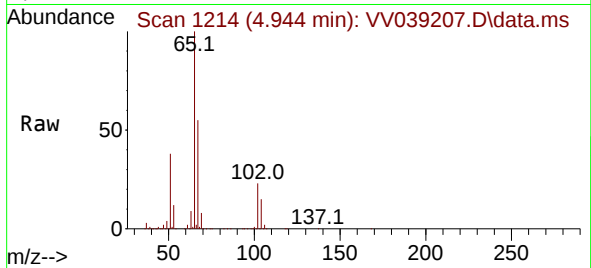




#33
1,2-Dichloroethane-d4
Concen: 56.389 ug/l
RT: 4.944 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

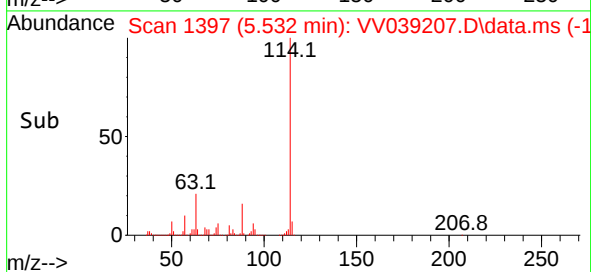
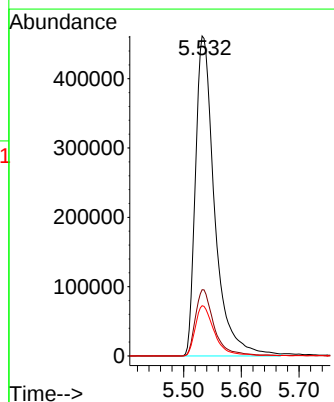
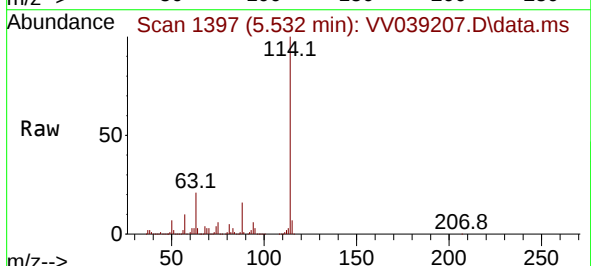
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

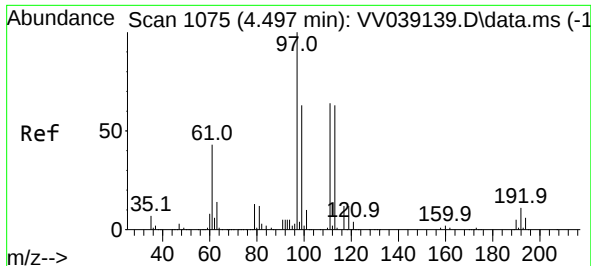
Tgt Ion: 65 Resp: 489586
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 114 Resp: 1062714
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 15.7 0.0 30.8

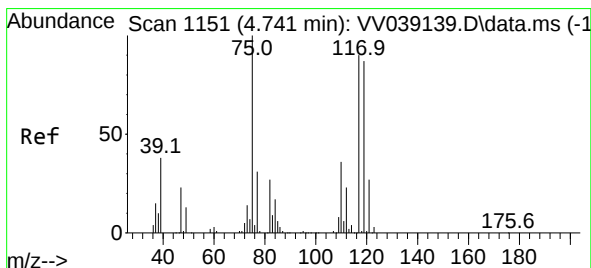
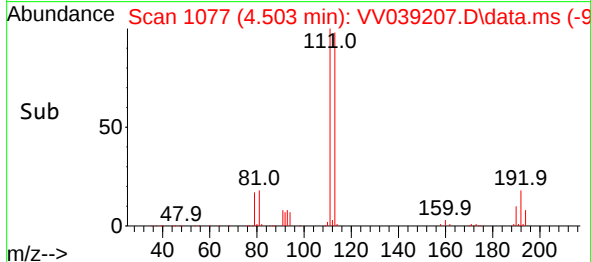
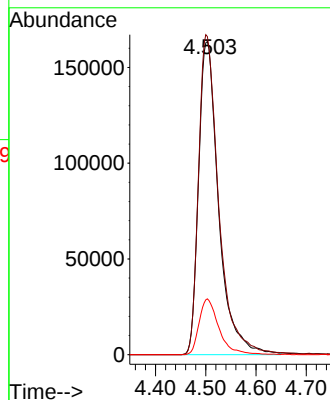
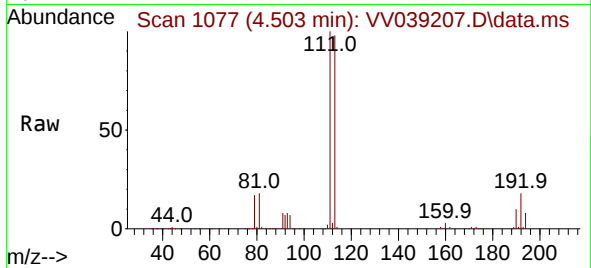




#35
Dibromofluoromethane
Concen: 53.006 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

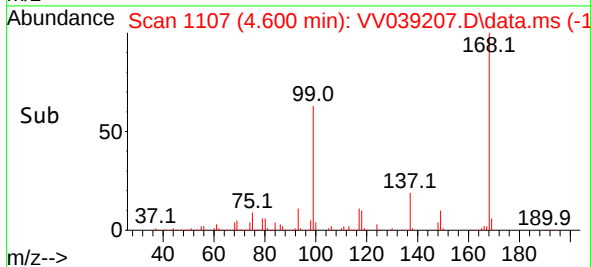
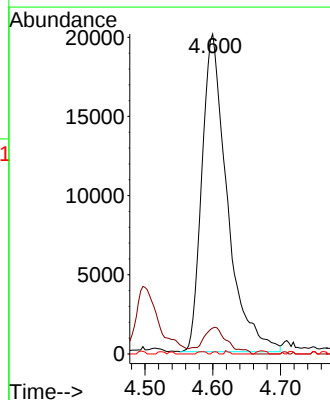
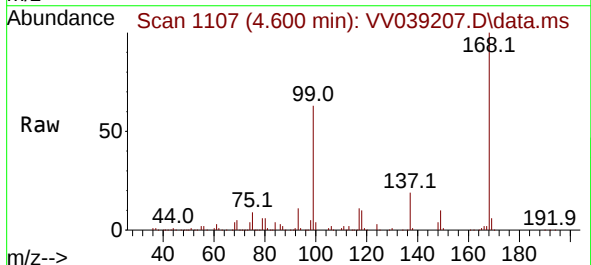
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

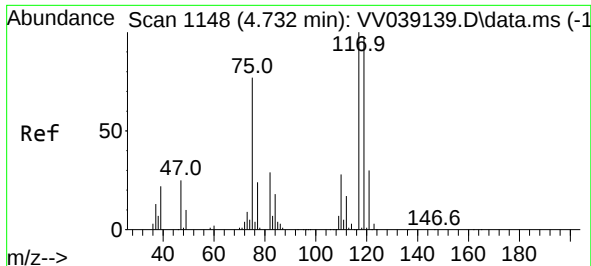
Tgt Ion:113 Resp: 452849
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.6 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.022 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 75 Resp: 51949
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.1#
77 0.1 24.8 37.2#

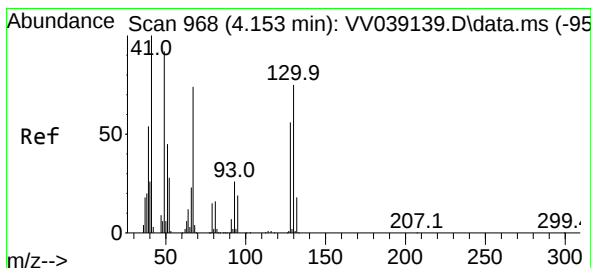
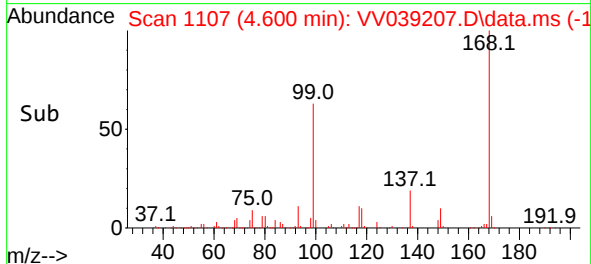
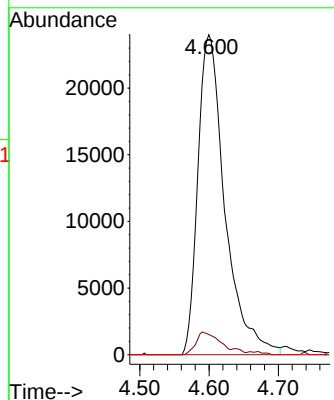
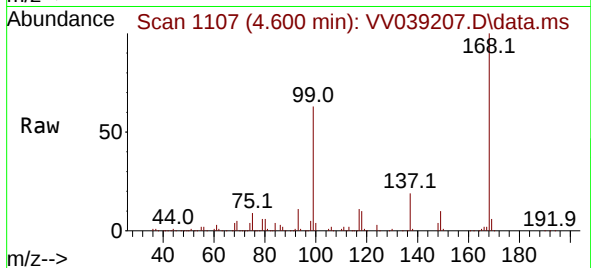




#38
Carbon Tetrachloride
Concen: 4.119 ug/l
RT: 4.600 min Scan# 1117
Delta R.T. -0.132 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

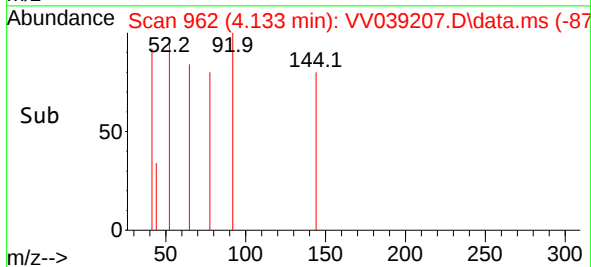
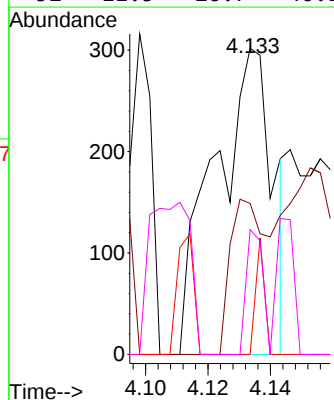
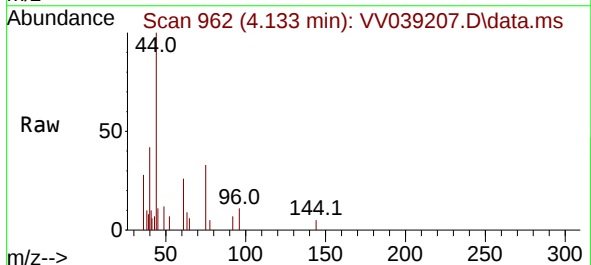
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

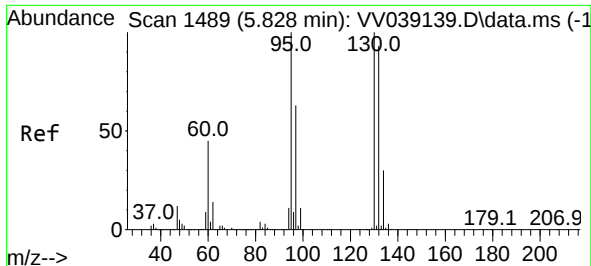
Tgt Ion:117 Resp: 65022
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.964 ug/l
RT: 4.133 min Scan# 962
Delta R.T. -0.020 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 41 Resp: 392
Ion Ratio Lower Upper
41 100
39 31.9 42.2 63.2#
67 5.6 67.9 101.9#
52 11.5 26.7 40.1#

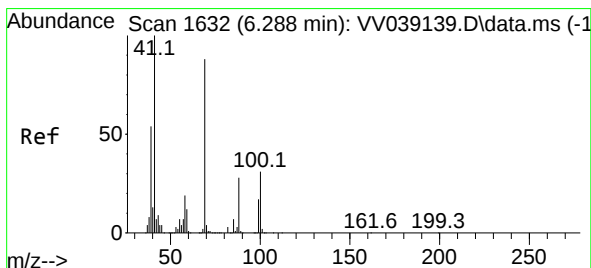
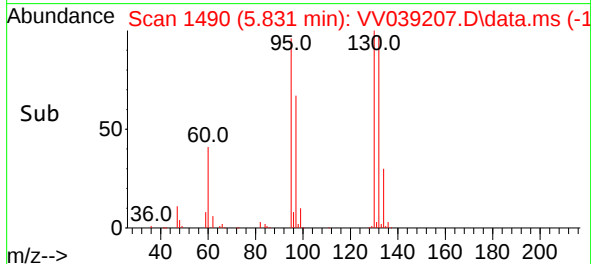
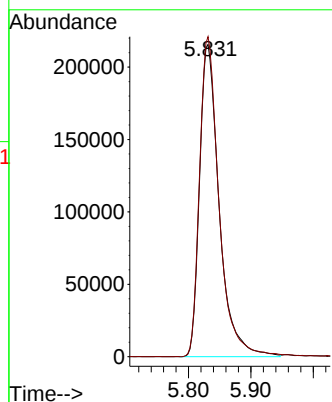
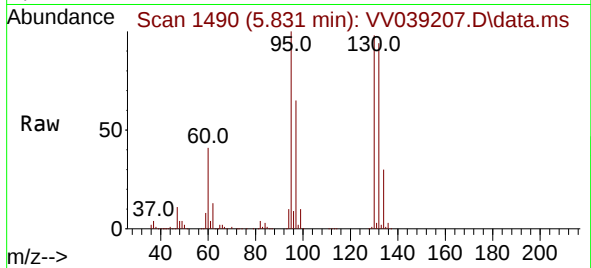




#44
Trichloroethene
Concen: 48.641 ug/l
RT: 5.831 min Scan# 1489
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

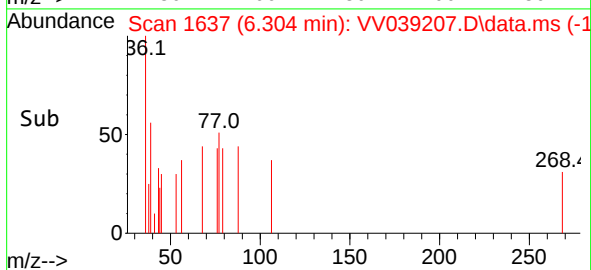
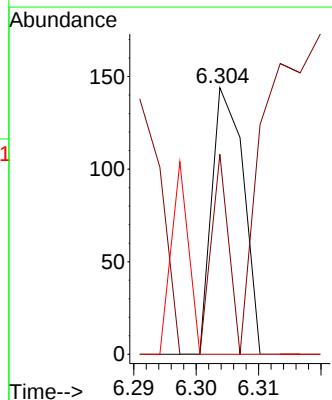
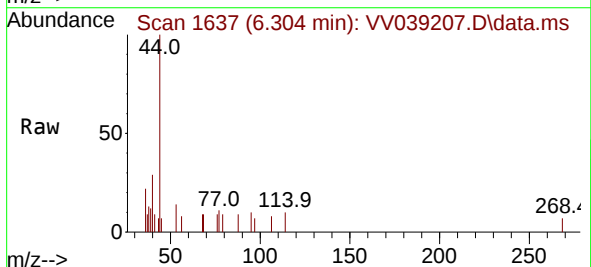
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

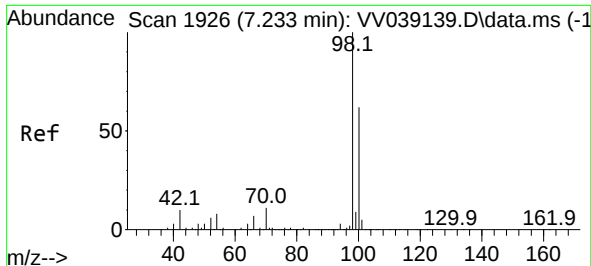
Tgt Ion:130 Resp: 472103
Ion Ratio Lower Upper
130 100
95 102.5 0.0 199.2



#49
1,4-Dioxane
Concen: 0.320 ug/l
RT: 6.304 min Scan# 1637
Delta R.T. 0.016 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 88 Resp: 50
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 40.0 53.6 80.4#

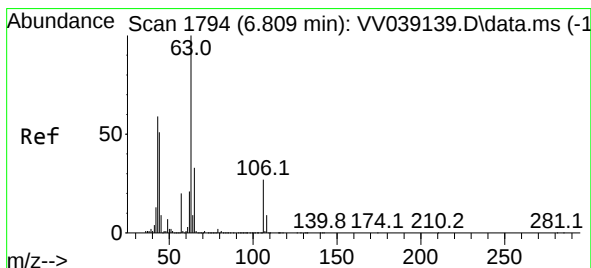
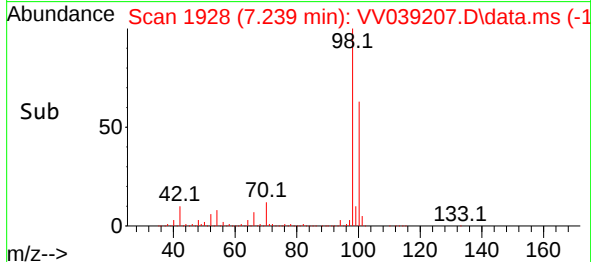
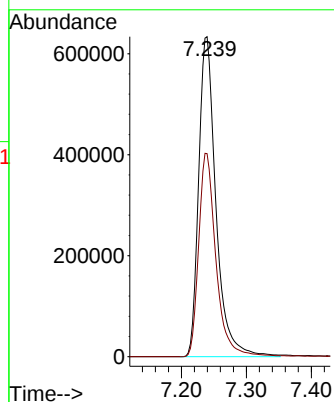
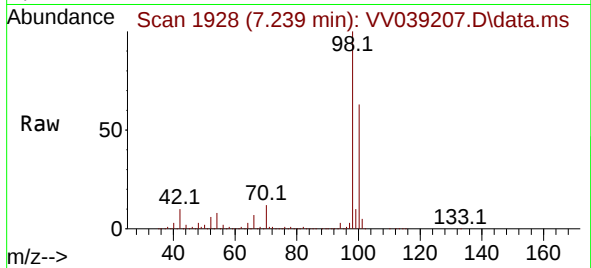




#50
Toluene-d8
Concen: 46.842 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

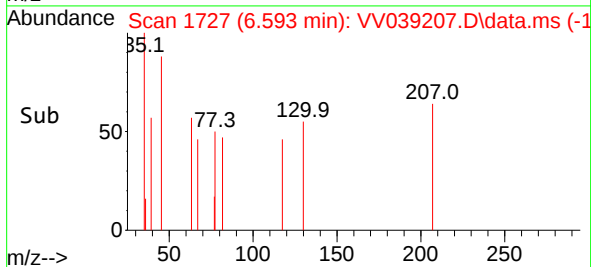
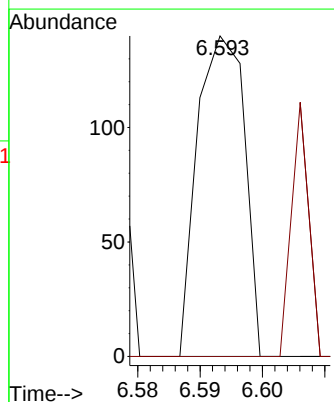
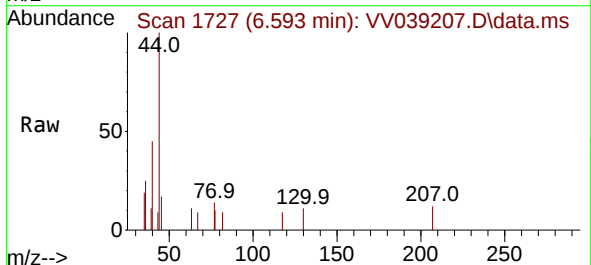
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

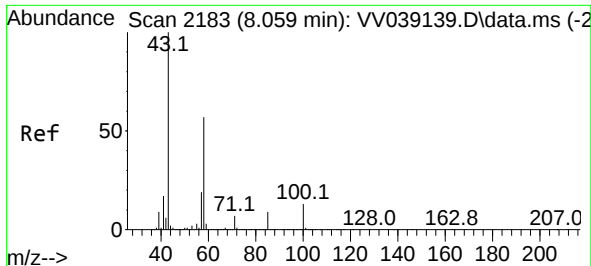
Tgt Ion: 98 Resp: 1175353
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 9.632 ug/l
RT: 6.593 min Scan# 1727
Delta R.T. -0.216 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 28.4 22.1 33.1

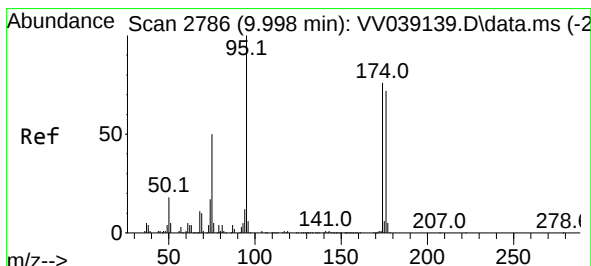
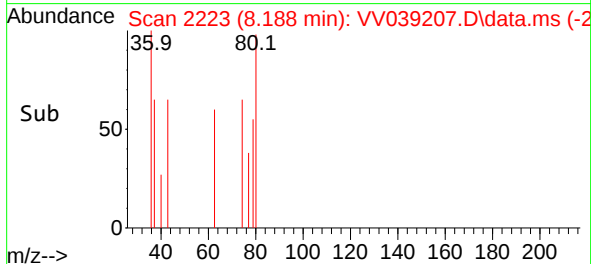
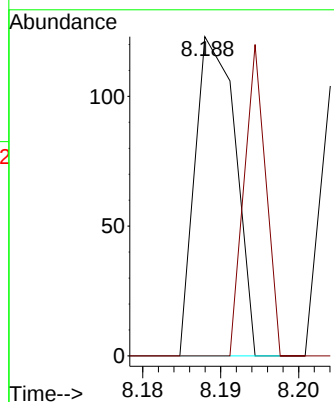
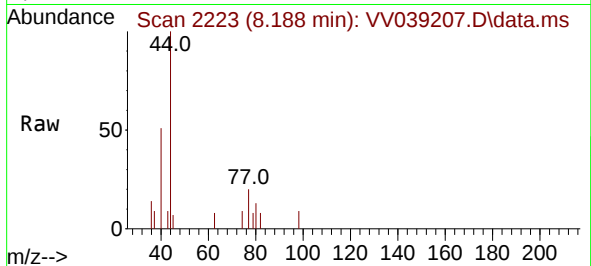




#59
2-Hexanone
Concen: 2.329 ug/l
RT: 8.188 min Scan# 2183
Delta R.T. 0.129 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

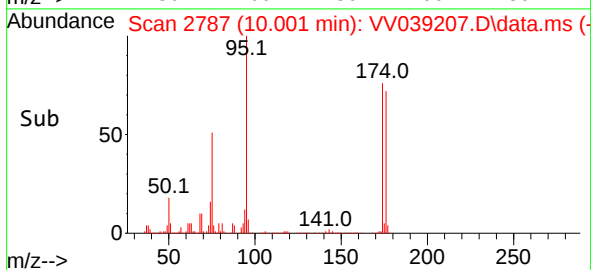
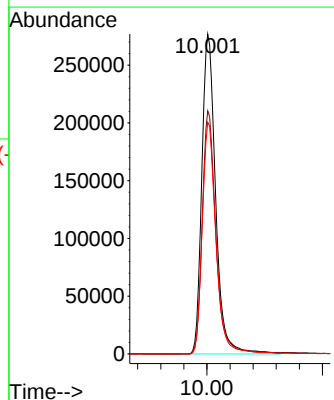
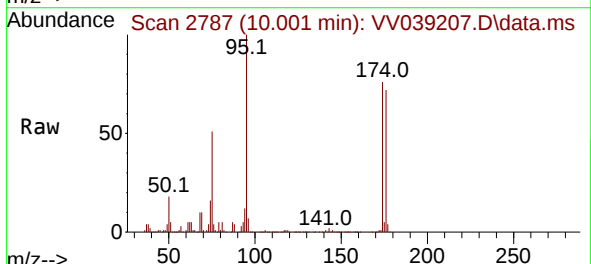
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

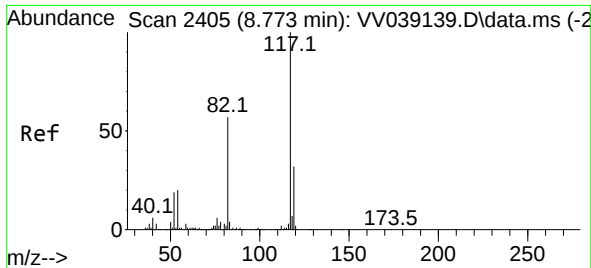
Tgt Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
58 52.3 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 44.540 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion: 95 Resp: 460084
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 71.7 0.0 144.2

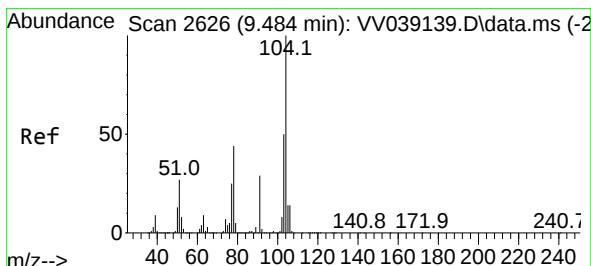
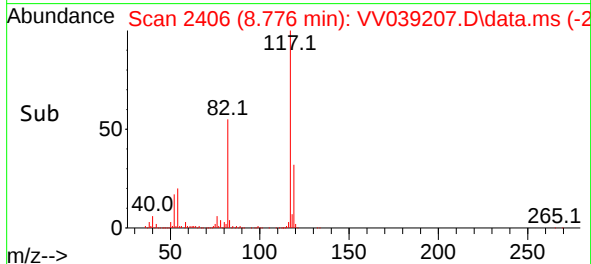
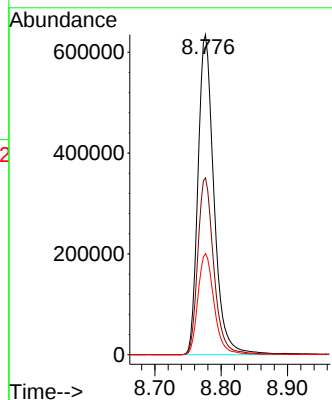
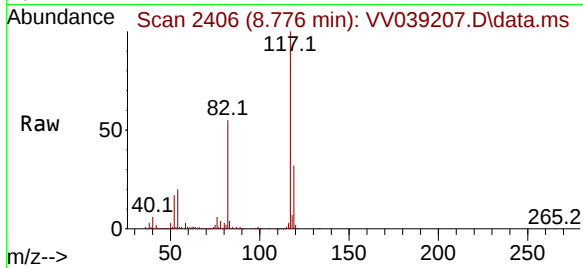




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

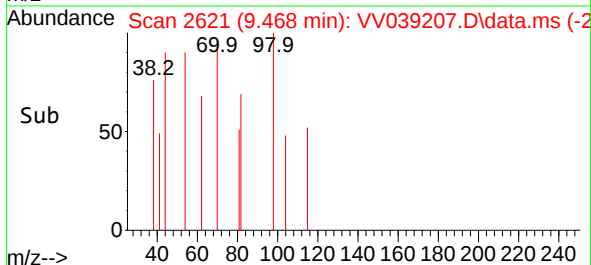
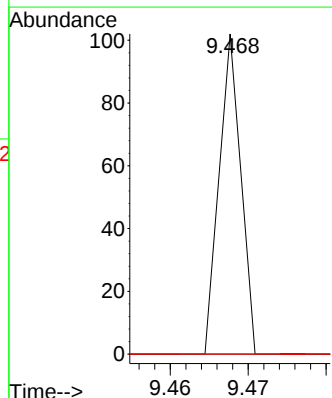
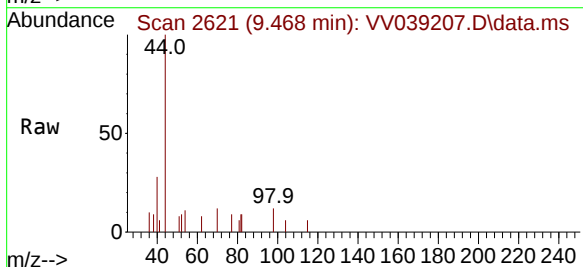
Instrument :
MSVOA_V
ClientSampleId :
MW-3-091525

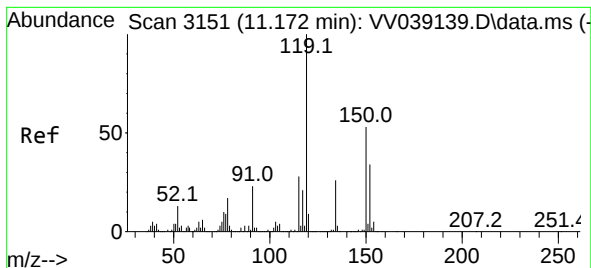
Tgt Ion:117 Resp: 1062408
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.2
119 31.6 25.6 38.4



#70
Styrene
Concen: 1.562 ug/l
RT: 9.468 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VV039207.D
Acq: 26 Sep 2025 13:06

Tgt Ion:104 Resp: 20
Ion Ratio Lower Upper
104 100
78 0.0 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# 3151

Delta R.T. 0.003 min

Lab File: VV039207.D

Acq: 26 Sep 2025 13:06

Instrument :

MSVOA_V

ClientSampleId :

MW-3-091525

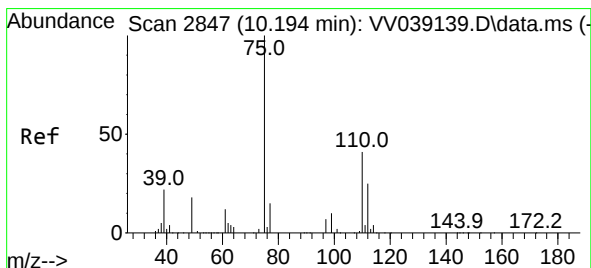
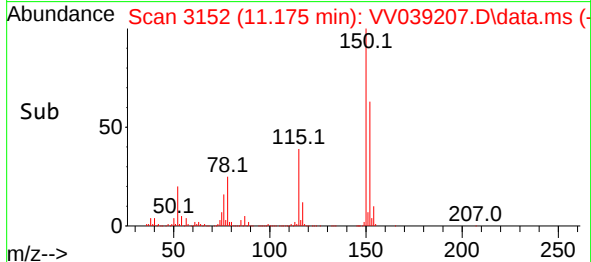
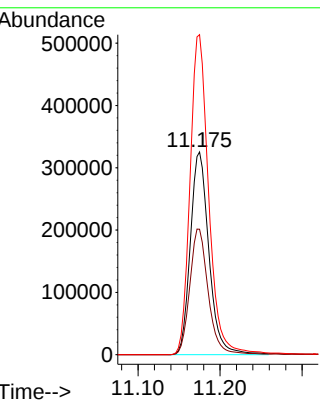
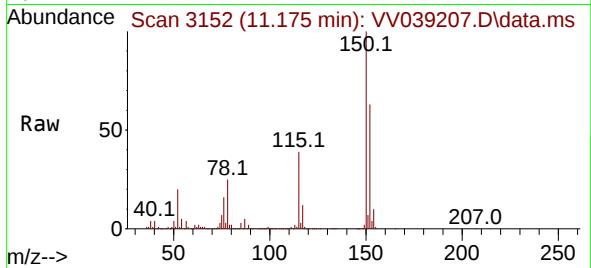
Tgt Ion:152 Resp: 512995

Ion Ratio Lower Upper

152 100

115 61.4 44.8 134.4

150 159.0 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.694 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039207.D

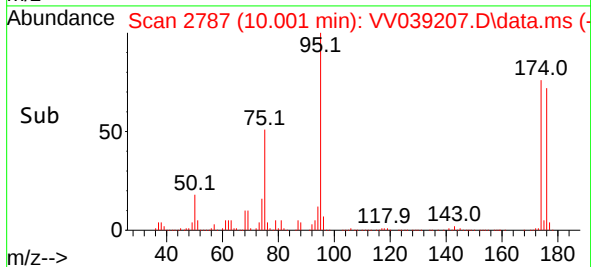
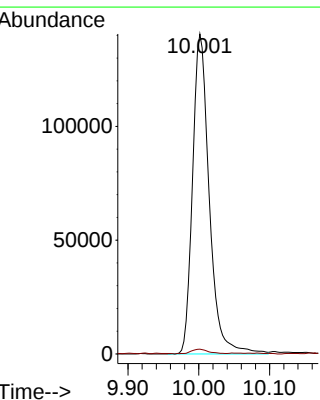
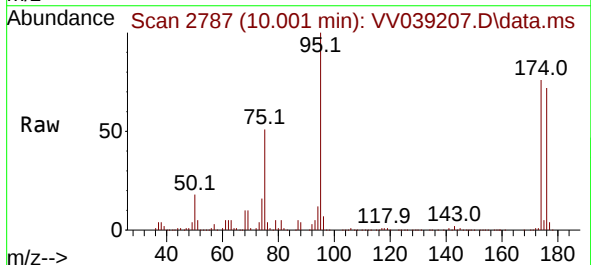
Acq: 26 Sep 2025 13:06

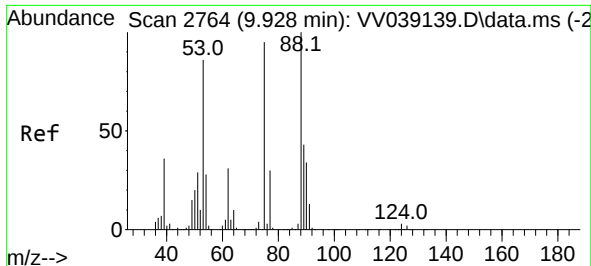
Tgt Ion: 75 Resp: 230024

Ion Ratio Lower Upper

75 100

77 1.7 11.3 33.8#

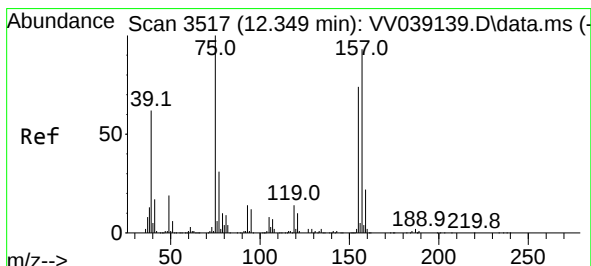
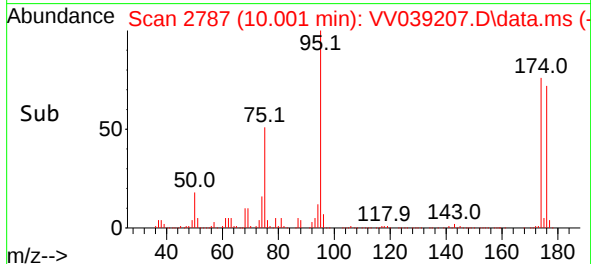
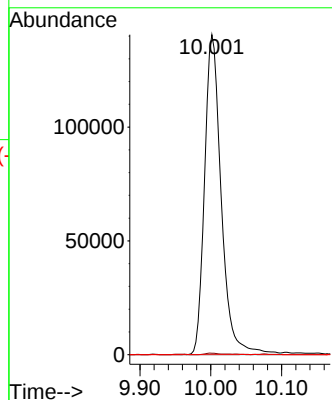
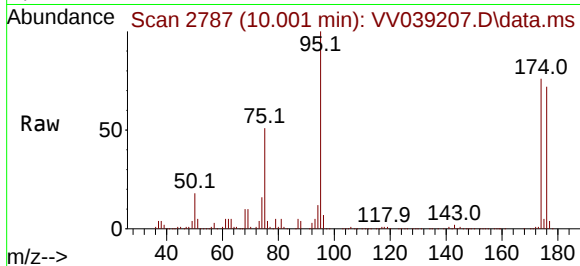




#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.278 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-3-091525

Tgt Ion: 75 Resp: 230024
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.5 108.7#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 12.361 min Scan# 3521
 Delta R.T. 0.012 min
 Lab File: VV039207.D
 Acq: 26 Sep 2025 13:06

Tgt Ion: 75 Resp: 22
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

