

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032280.D
 Acq On : 26 Sep 2025 15:09
 Operator : SY/MD
 Sample : Q3215-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

Quant Time: Sep 29 08:39:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

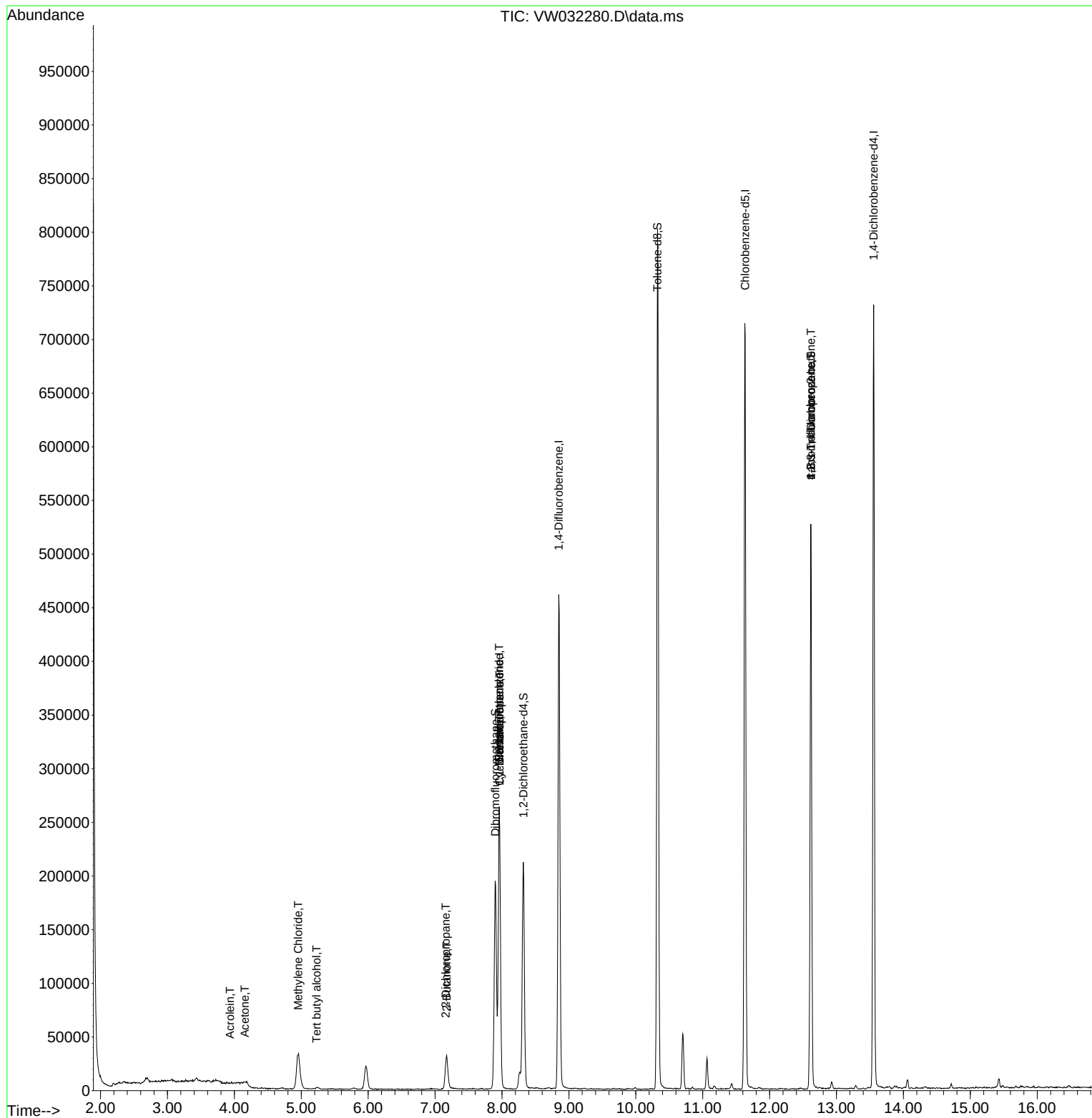
Internal Standards						
1) Pentafluorobenzene	7.959	168	180242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	388056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	386764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174400	61.279	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 122.560%		
35) Dibromofluoromethane	7.898	113	141847	50.827	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.660%		
50) Toluene-d8	10.325	98	530590	52.753	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 105.500%		
62) 4-Bromofluorobenzene	12.617	95	177949	46.904	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 93.800%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.228	59	563	2.850	ug/l #	71
13) Acrolein	3.936	56	353	1.004	ug/l #	31
16) Acetone	4.155	43	2380	3.256	ug/l #	87
20) Methylene Chloride	4.954	84	29699	4.364	ug/l	96
25) 2-Butanone	7.173	43	1708	1.677	ug/l #	80
26) 2,2-Dichloropropane	7.161	77	2675	1.165	ug/l #	52
31) Cyclohexane	7.965	56	4650	1.265	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	17184	4.567	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20299	5.734	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	93980	37.180	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	93980	96.574	ug/l #	9

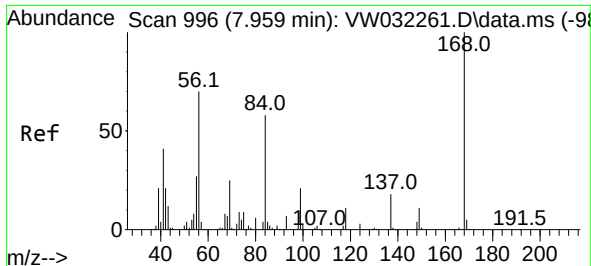
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
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Quant Time: Sep 29 08:39:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
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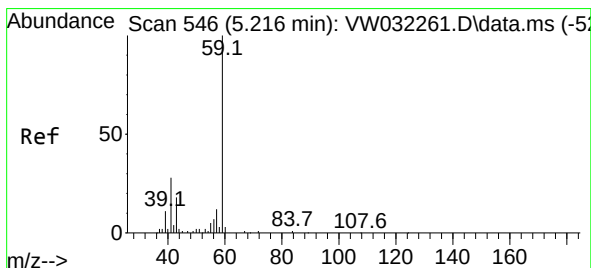
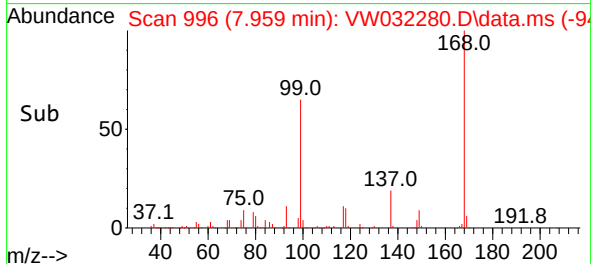
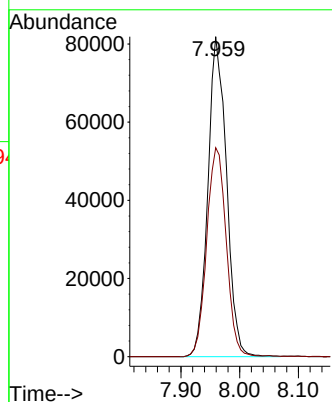
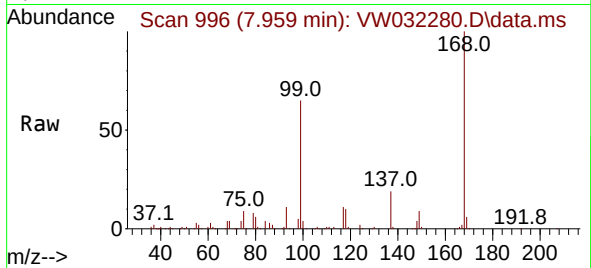




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

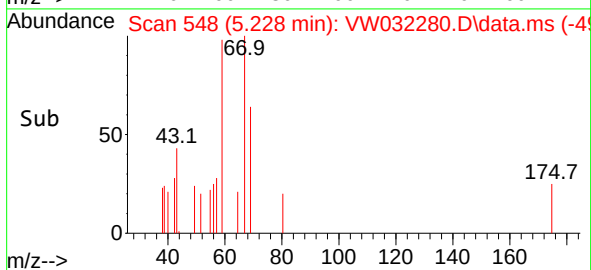
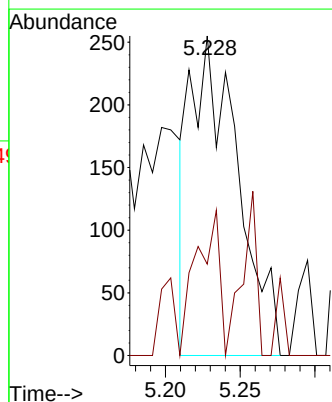
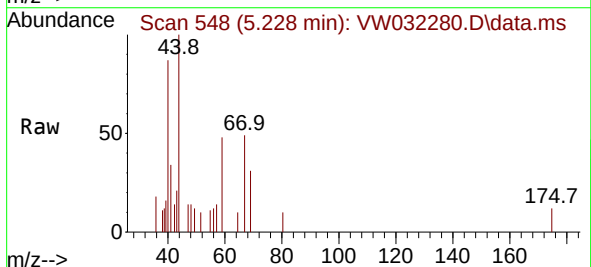
Instrument :
MSVOA_W
ClientSampleId :
WASTE

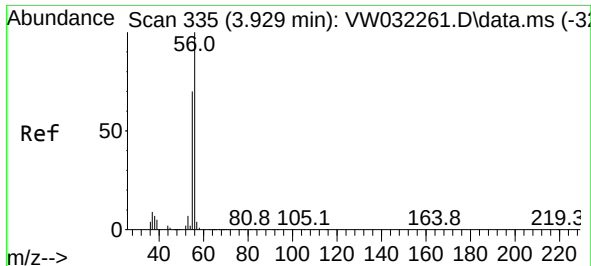
Tgt Ion:168 Resp: 180242
Ion Ratio Lower Upper
168 100
99 65.3 55.0 82.4



#11
Tert butyl alcohol
Concen: 2.850 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 59 Resp: 563
Ion Ratio Lower Upper
59 100
57 22.2 8.9 13.3#

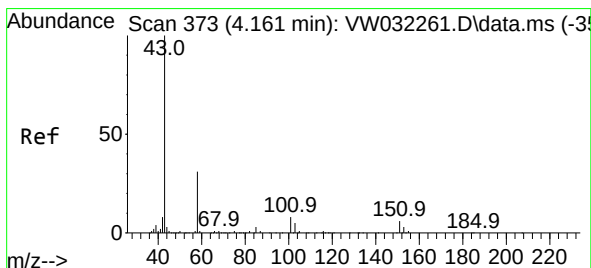
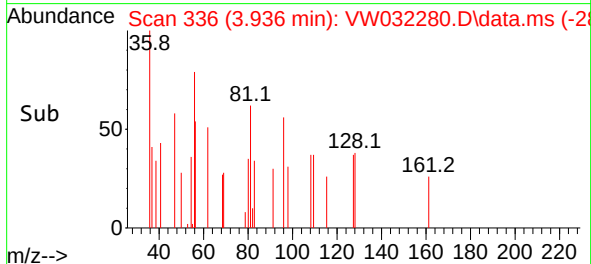
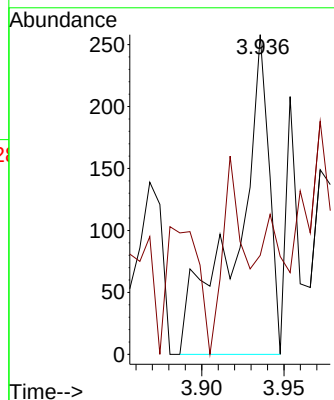
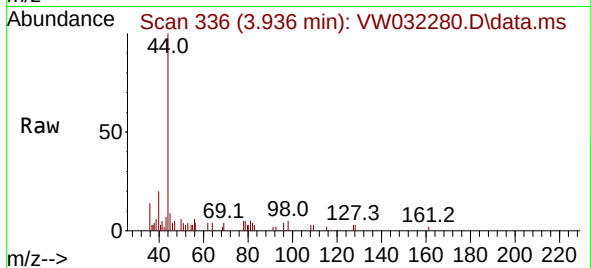




#13
Acrolein
Concen: 1.004 ug/l
RT: 3.936 min Scan# 311
Delta R.T. 0.006 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

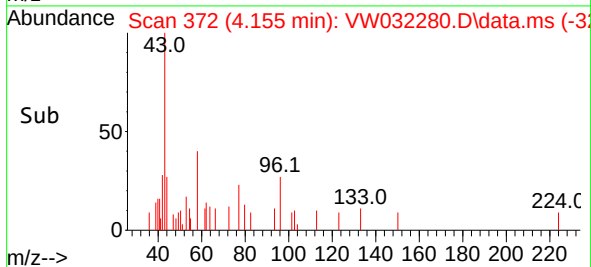
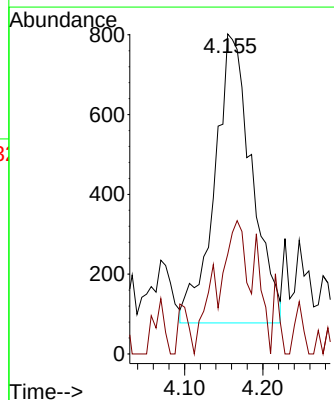
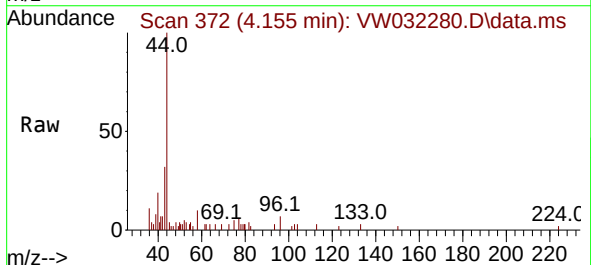
Instrument :
MSVOA_W
ClientSampleId :
WASTE

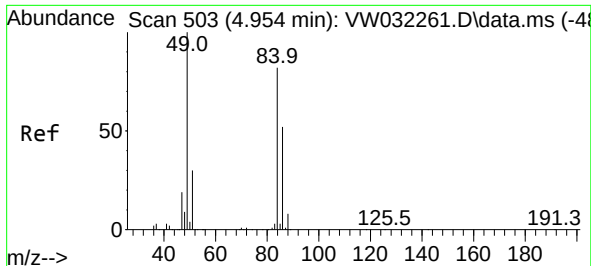
Tgt Ion: 56 Resp: 353
Ion Ratio Lower Upper
56 100
55 11.6 53.2 79.8#



#16
Acetone
Concen: 3.256 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 43 Resp: 2380
Ion Ratio Lower Upper
43 100
58 24.4 25.4 38.0#

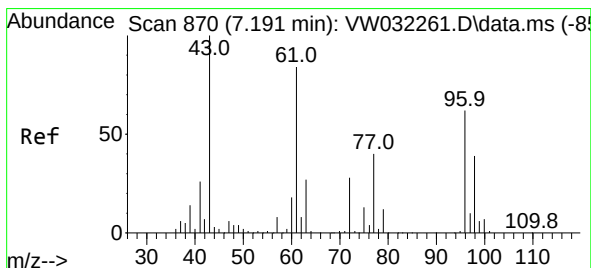
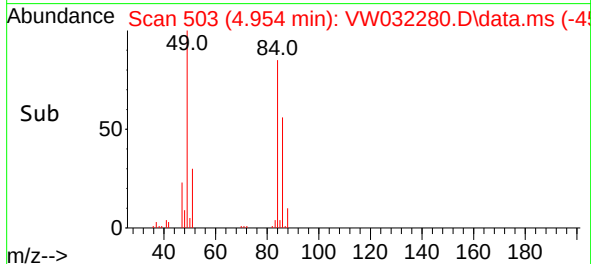
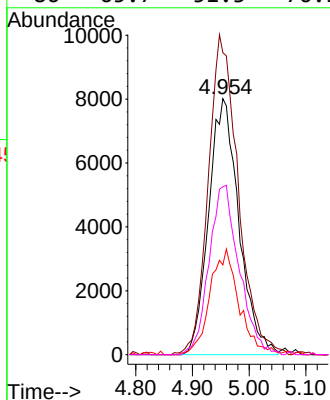
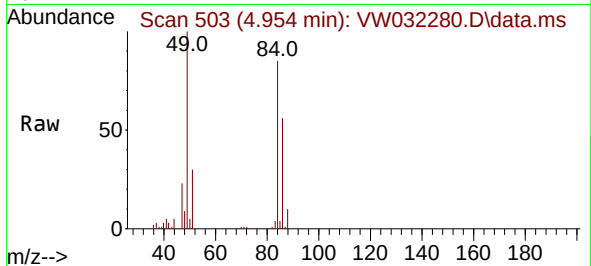




#20
Methylene Chloride
Concen: 4.364 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

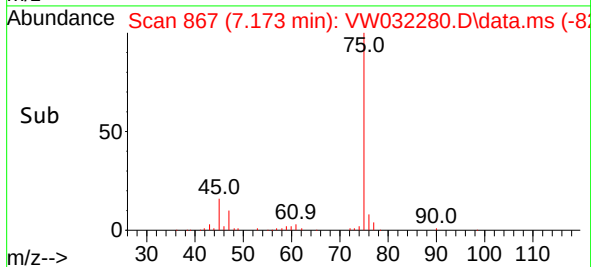
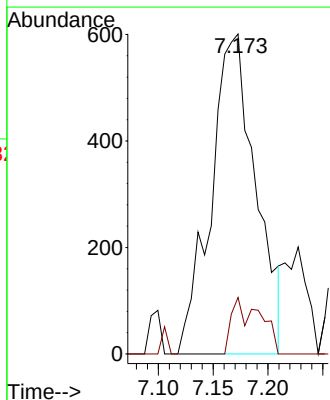
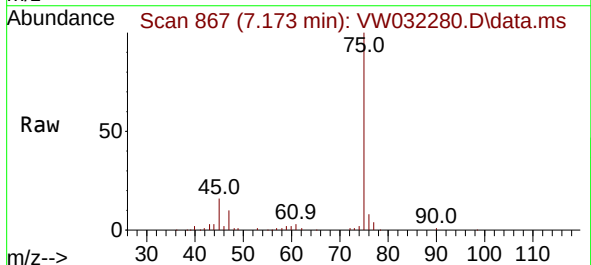
Instrument :
MSVOA_W
ClientSampleId :
WASTE

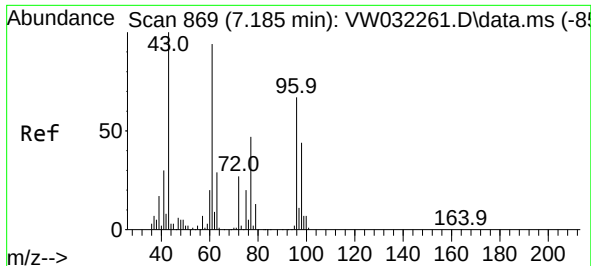
Tgt Ion:	84	Resp:	29699
Ion	Ratio	Lower	Upper
84	100		
49	117.4	97.8	146.6
51	35.1	29.9	44.9
86	65.7	51.3	76.9



#25
2-Butanone
Concen: 1.677 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion:	43	Resp:	1708
Ion	Ratio	Lower	Upper
43	100		
72	17.6	22.3	33.5#

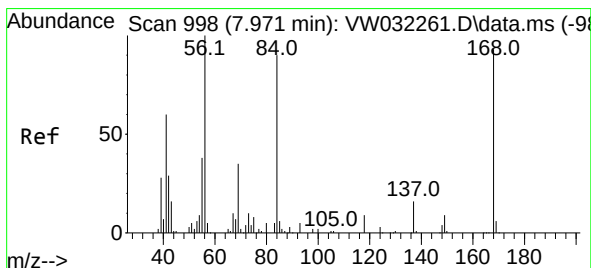
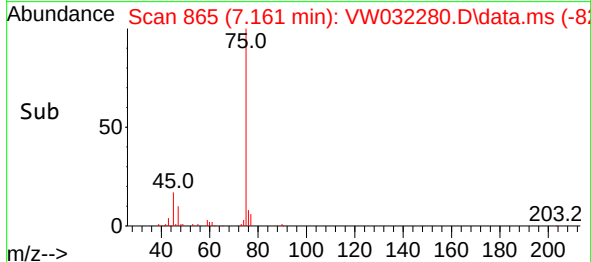
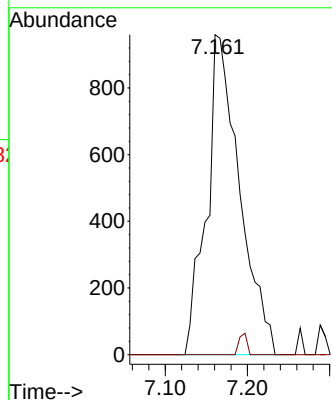
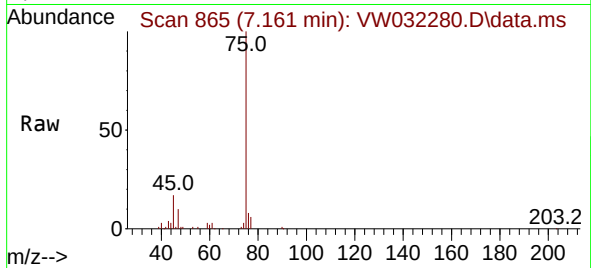




#26
2,2-Dichloropropane
Concen: 1.165 ug/l
RT: 7.161 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

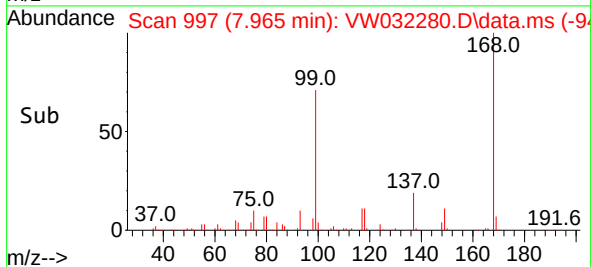
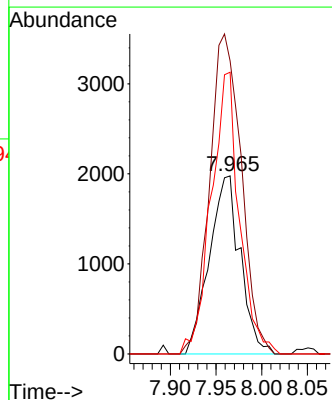
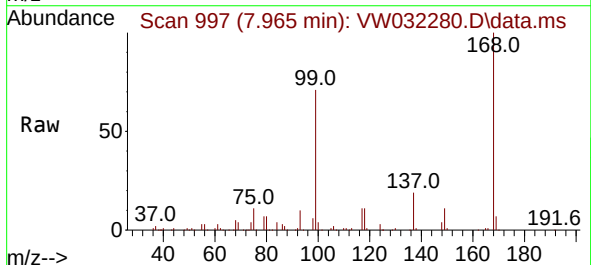
Instrument :
MSVOA_W
ClientSampleId :
WASTE

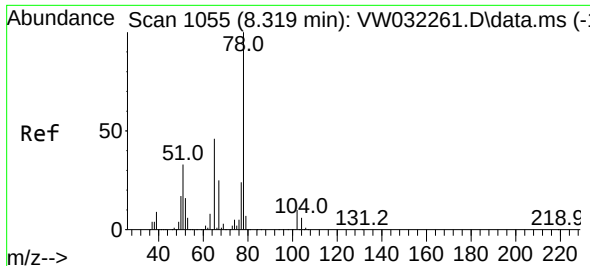
Tgt Ion: 77 Resp: 2675
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 56 Resp: 4650
Ion Ratio Lower Upper
56 100
69 164.5 28.2 42.2#
84 158.2 71.8 107.6#

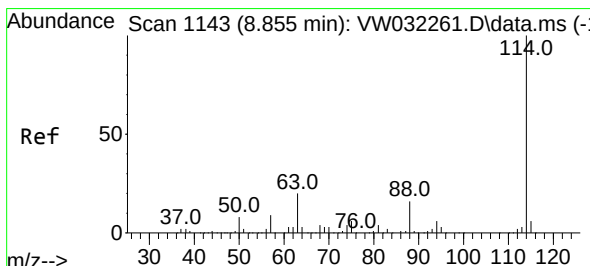
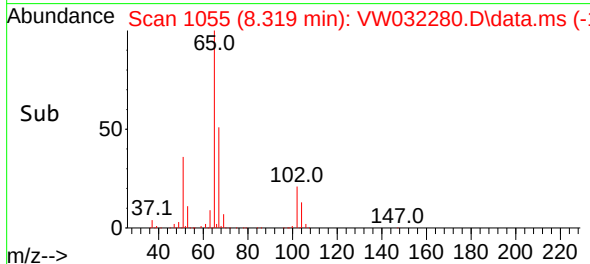
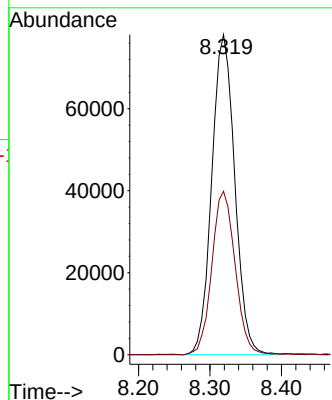
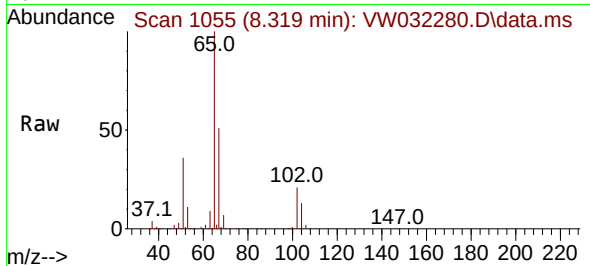




#33
 1,2-Dichloroethane-d4
 Concen: 61.279 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

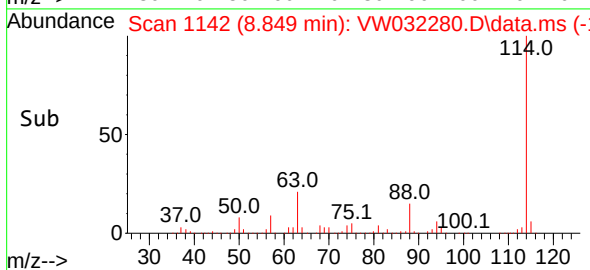
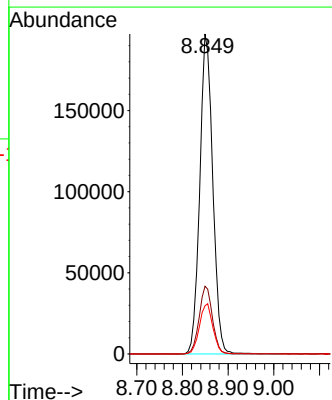
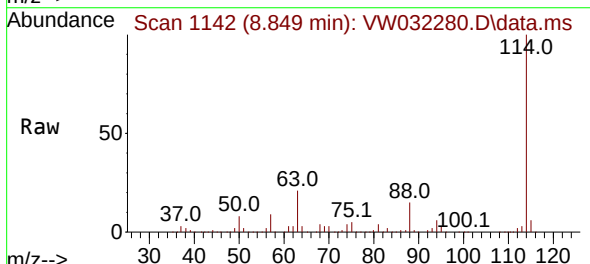
Instrument :
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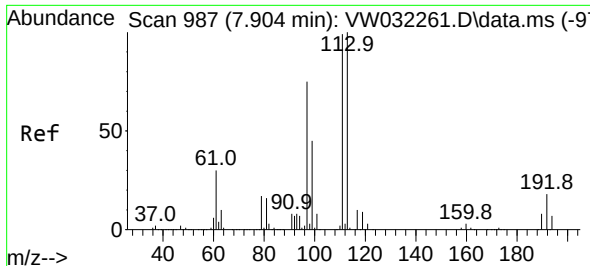
Tgt Ion: 65 Resp: 174400
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

Tgt Ion: 114 Resp: 388056
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.2
 88 15.1 0.0 32.0

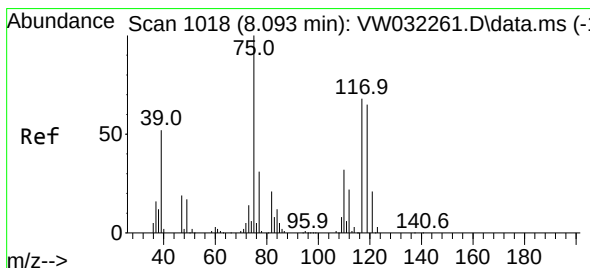
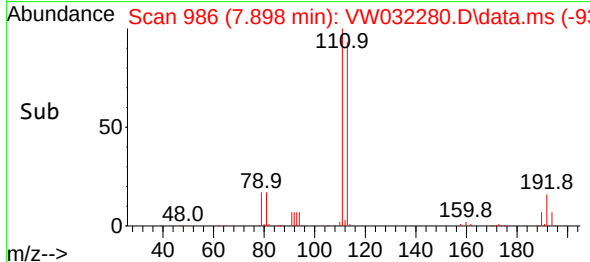
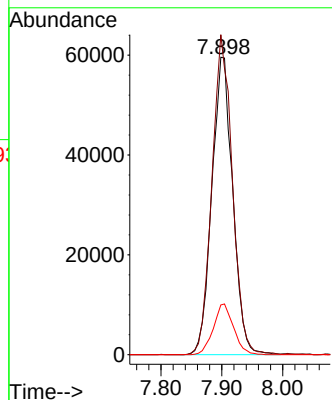
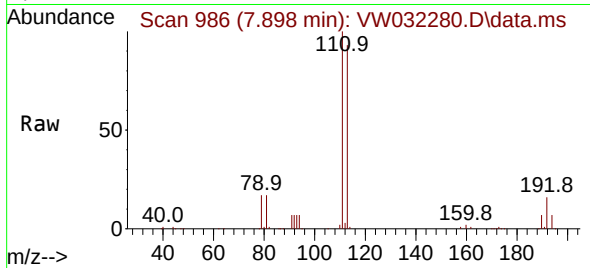




#35
 Dibromofluoromethane
 Concen: 50.827 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

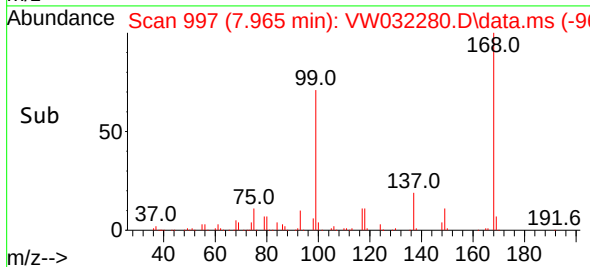
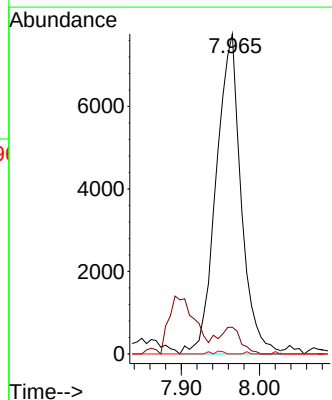
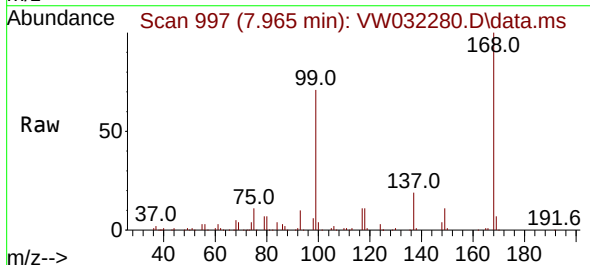
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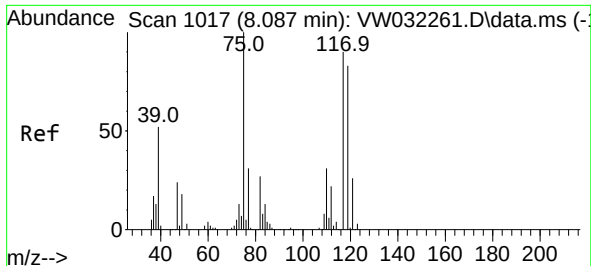
Tgt Ion:113 Resp: 141847
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.8 122.8
 192 16.5 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

Tgt Ion: 75 Resp: 17184
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.7 50.1#
 77 0.1 25.2 37.8#

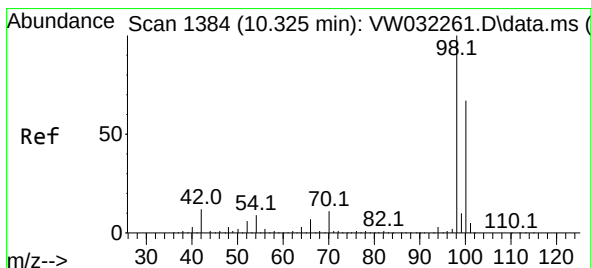
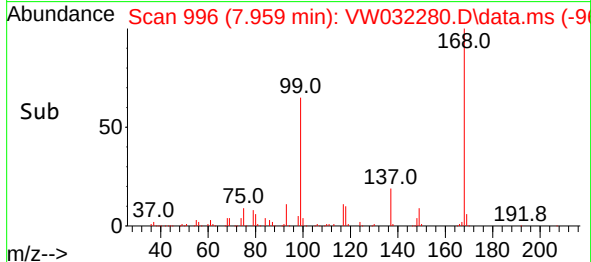
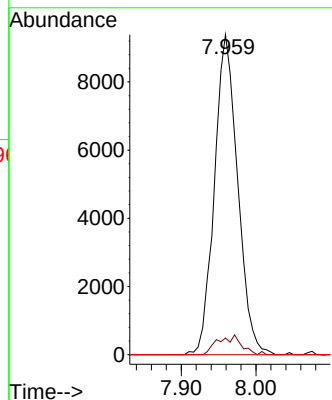
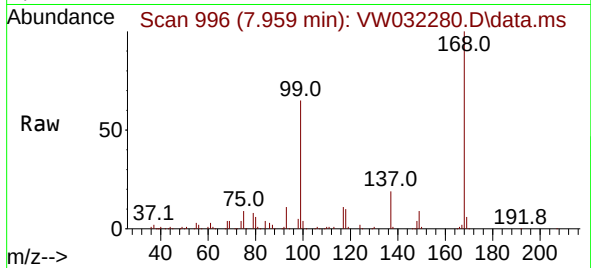




#38
Carbon Tetrachloride
Concen: 5.734 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

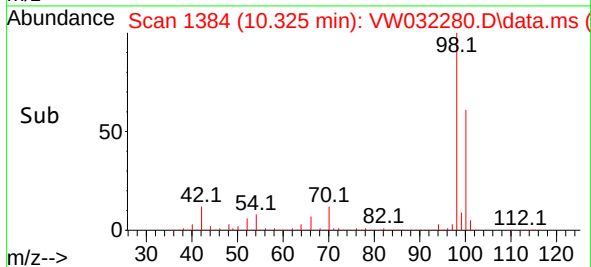
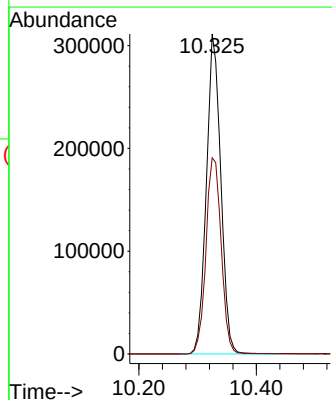
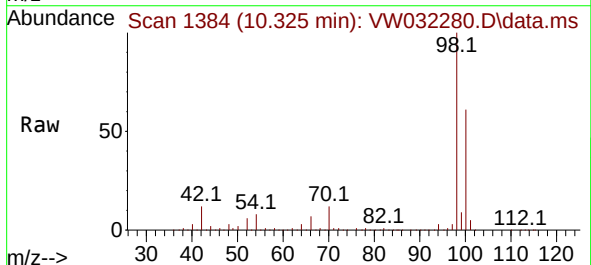
Instrument :
MSVOA_W
ClientSampleId :
WASTE

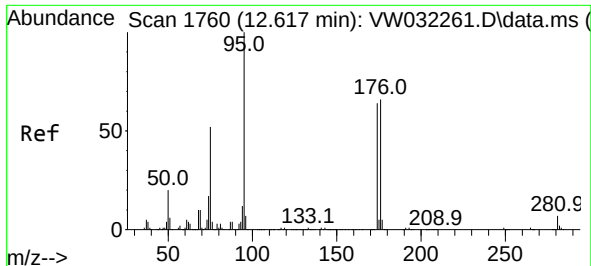
Tgt Ion:117 Resp: 20299
Ion Ratio Lower Upper
117 100
119 5.2 73.9 110.9#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 52.753 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 98 Resp: 530590
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4

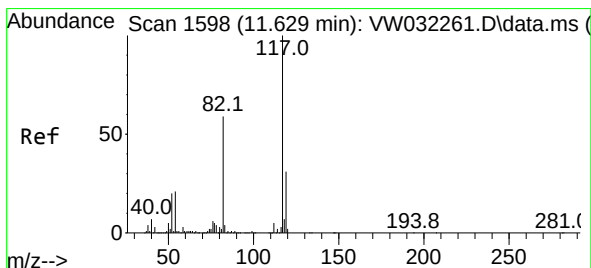
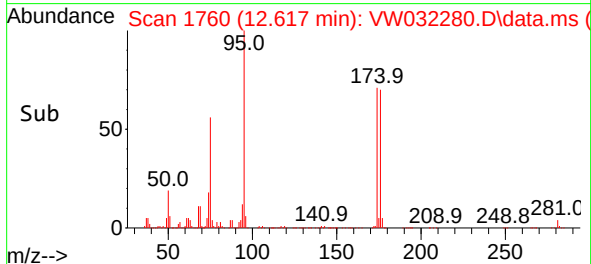
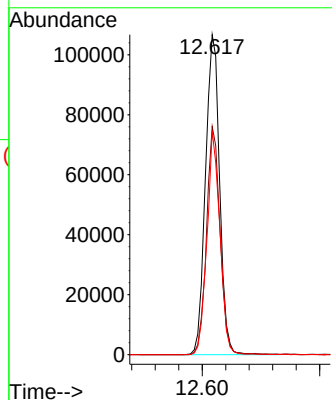
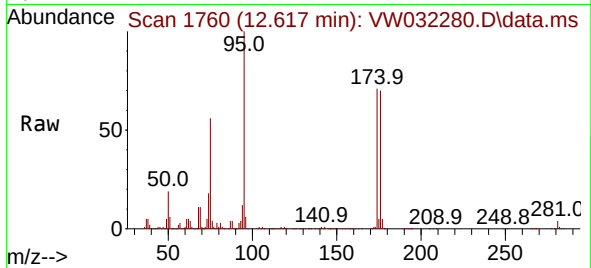




#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

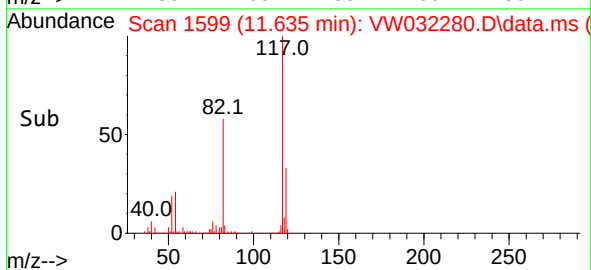
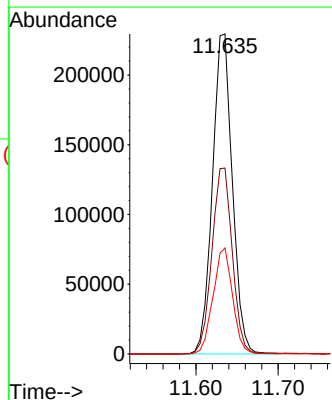
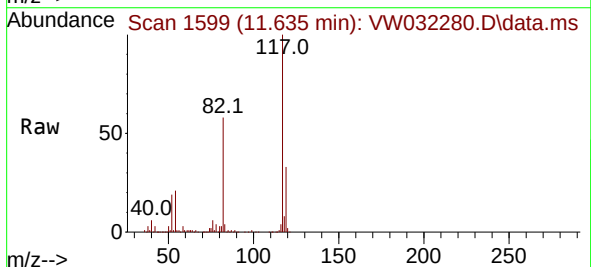
Instrument :
MSVOA_W
ClientSampleId :
WASTE

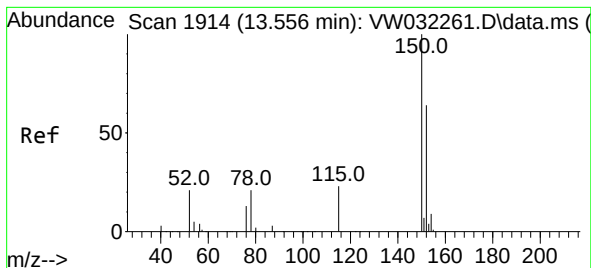
Tgt Ion: 95 Resp: 177949
Ion Ratio Lower Upper
95 100
174 68.2 0.0 130.6
176 64.2 0.0 127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Tgt Ion: 117 Resp: 386764
Ion Ratio Lower Upper
117 100
82 58.1 46.9 70.3
119 33.2 24.9 37.3

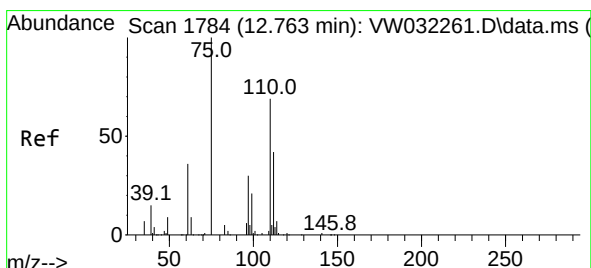
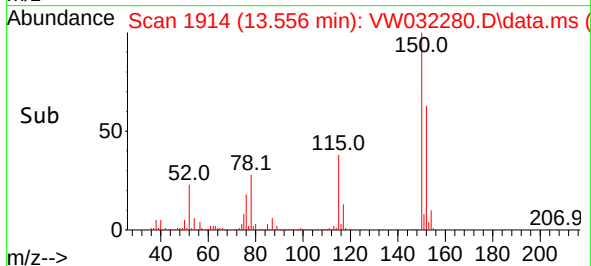
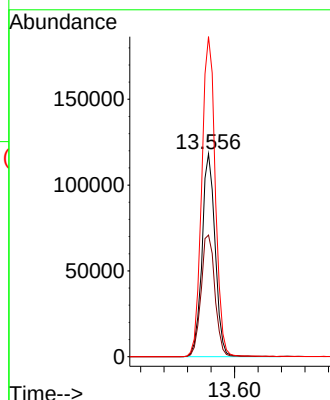
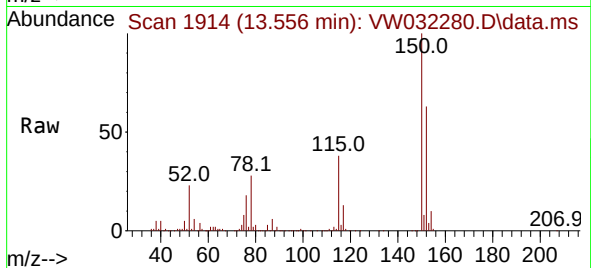




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

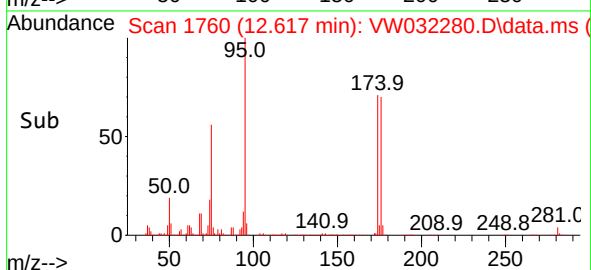
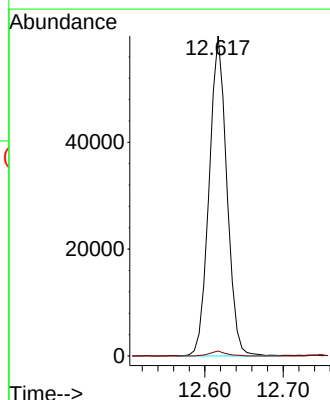
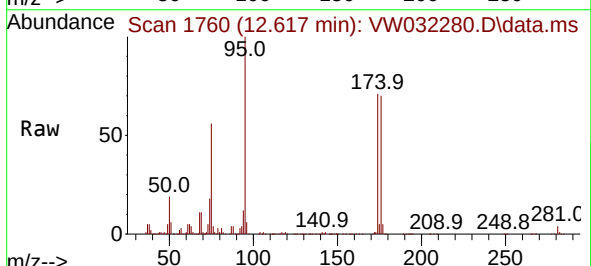
Instrument :
 MSVOA_W
 ClientSampleId :
 WASTE

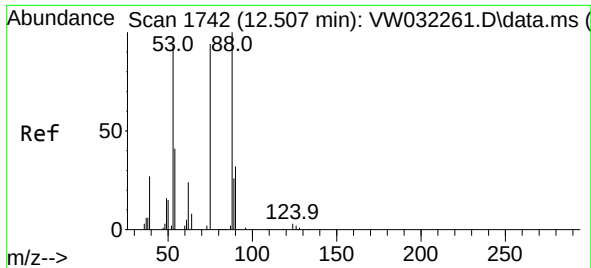
Tgt Ion:152 Resp: 183728
 Ion Ratio Lower Upper
 152 100
 115 63.5 32.5 97.5
 150 163.0 0.0 370.2



#76
 1,2,3-Trichloropropane
 Concen: 37.180 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032280.D
 Acq: 26 Sep 2025 15:09

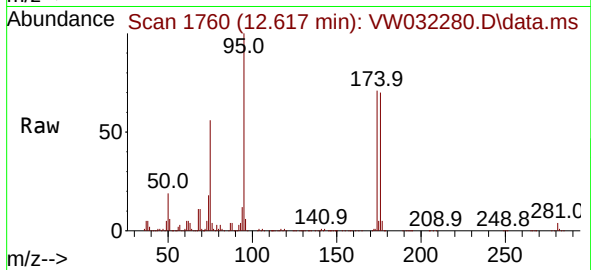
Tgt Ion: 75 Resp: 93980
 Ion Ratio Lower Upper
 75 100
 77 1.4 140.9 422.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.574 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032280.D
Acq: 26 Sep 2025 15:09

Instrument :
MSVOA_W
ClientSampleId :
WASTE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.4	122.2#
89	0.3	35.4	53.2#

