

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032344.D
 Acq On : 03 Oct 2025 11:32
 Operator : SY/MD
 Sample : Q3269-01
 Misc : 5.17g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 04 05:00:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

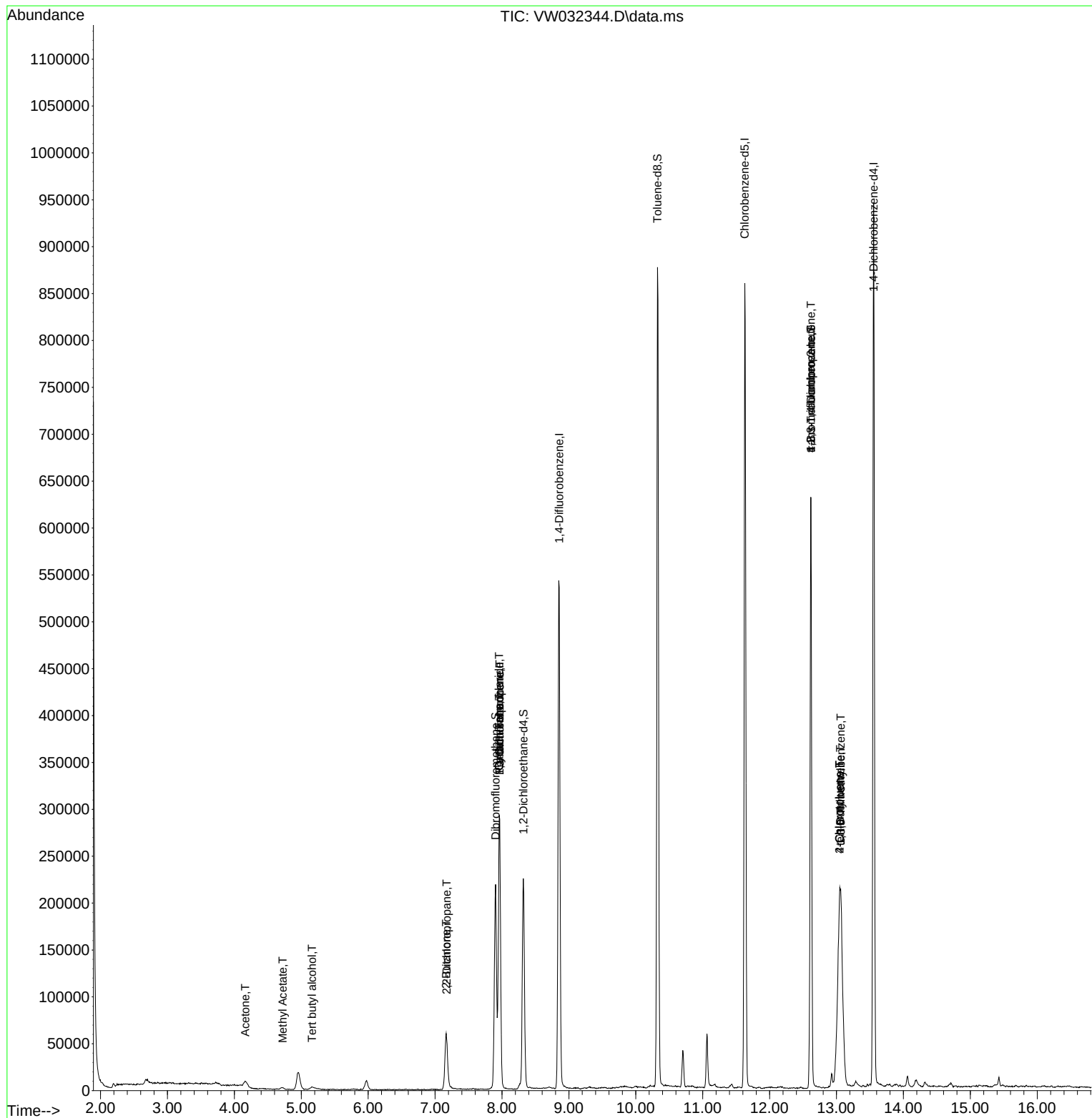
Internal Standards						
1) Pentafluorobenzene	7.965	168	197566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	460703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	461196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	231911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	185460	64.360	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 128.720%	
35) Dibromofluoromethane	7.904	113	155730	52.196	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 104.400%	
50) Toluene-d8	10.325	98	584724	53.100	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.200%	
62) 4-Bromofluorobenzene	12.617	95	216454	52.007	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.161	59	4064	18.632	ug/l #	69
16) Acetone	4.161	43	8819	11.053	ug/l	92
18) Methyl Acetate	4.722	43	3661	1.602	ug/l #	50
25) 2-Butanone	7.167	43	3694	3.399	ug/l #	77
26) 2,2-Dichloropropane	7.173	77	4239	1.744	ug/l #	52
31) Cyclohexane	7.959	56	5270	1.299	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	19422	4.613	ug/l #	50
38) Carbon Tetrachloride	7.959	117	23047	5.817	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	112838	36.974	ug/l #	1
79) 2-Chlorotoluene	13.044	91	39893	3.292	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.062	105	16839	1.227	ug/l #	44
81) trans-1,4-Dichloro-2-b...	12.617	75	112838	93.665	ug/l #	5
82) 4-Chlorotoluene	13.044	91	40098	3.112	ug/l #	43
83) tert-Butylbenzene	13.056	119	12475	1.108	ug/l #	1

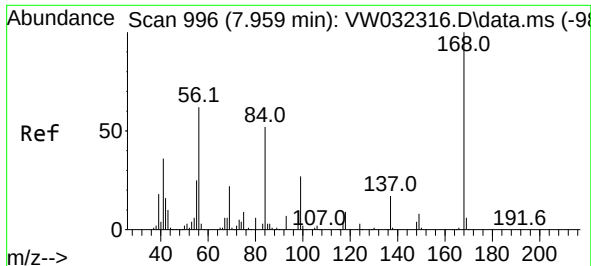
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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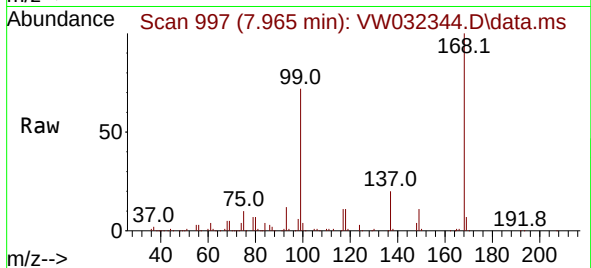
Quant Time: Oct 04 05:00:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
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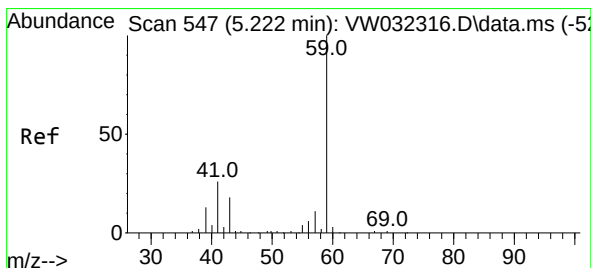
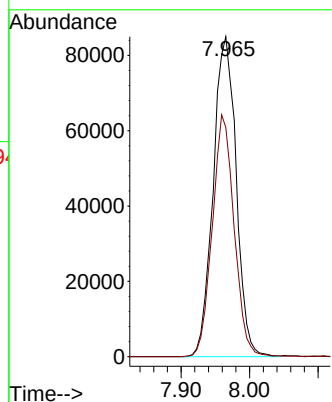
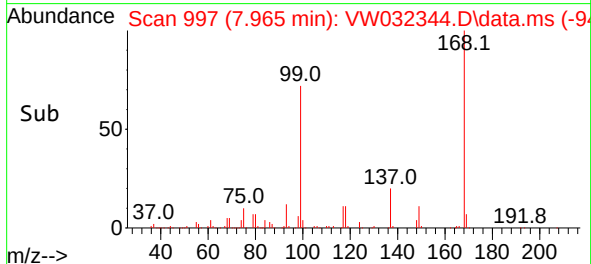


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

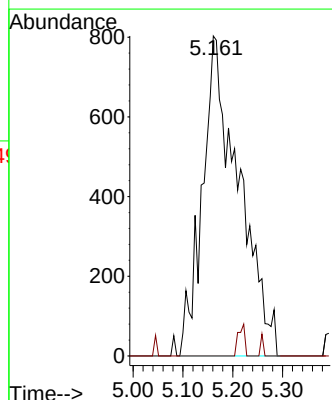
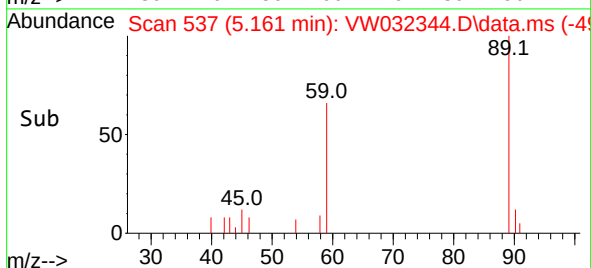
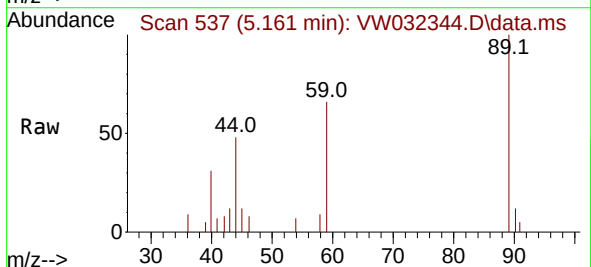


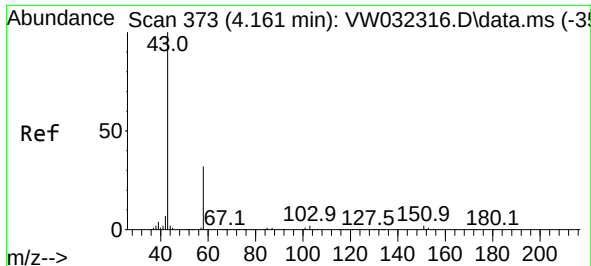
Tgt Ion:168 Resp: 197566
Ion Ratio Lower Upper
168 100
99 71.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 18.632 ug/l
RT: 5.161 min Scan# 537
Delta R.T. -0.061 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 59 Resp: 4064
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

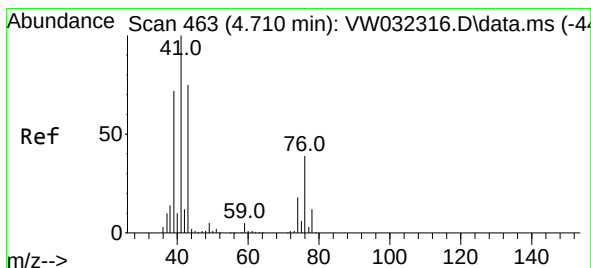
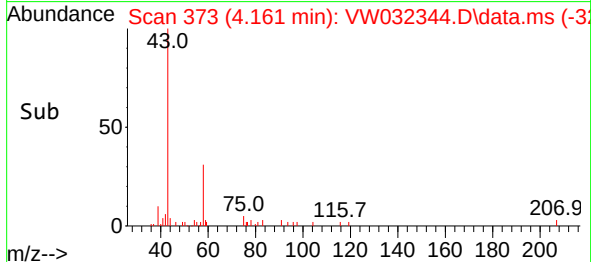
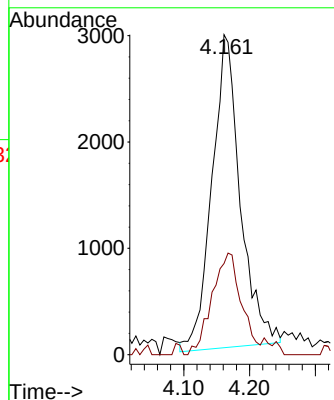
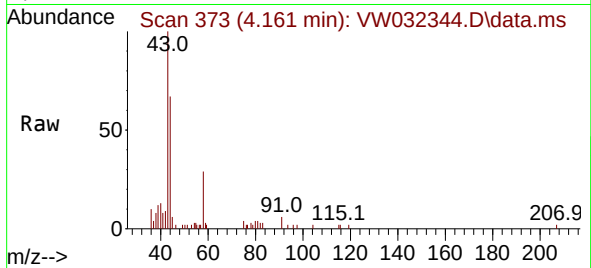




#16
Acetone
Concen: 11.053 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

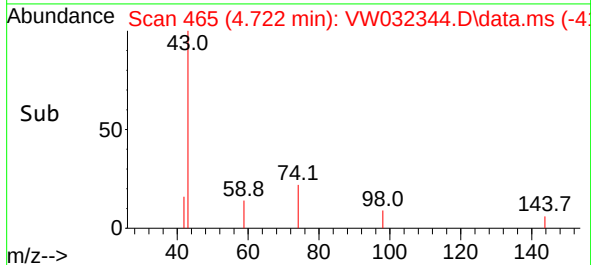
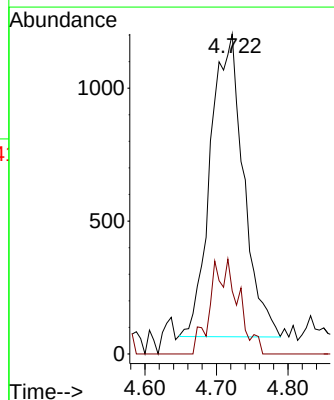
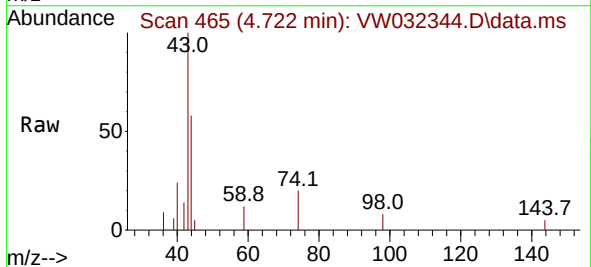
Instrument :
MSVOA_W
ClientSampleId :

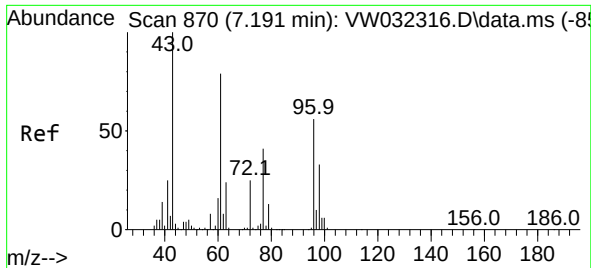
Tgt Ion: 43 Resp: 8819
Ion Ratio Lower Upper
43 100
58 27.1 25.3 37.9



#18
Methyl Acetate
Concen: 1.602 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#

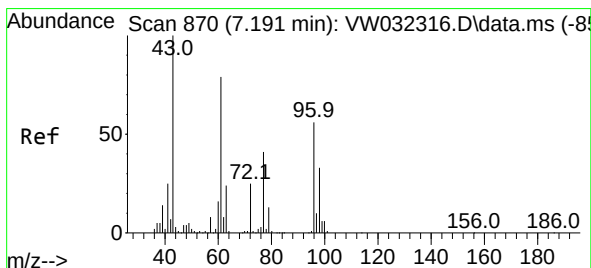
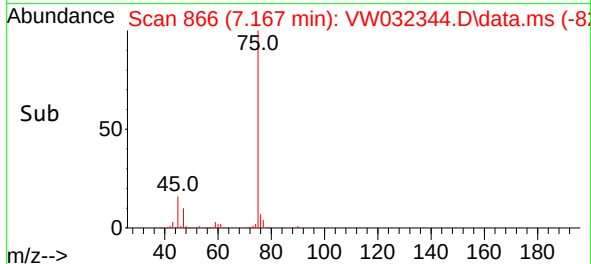
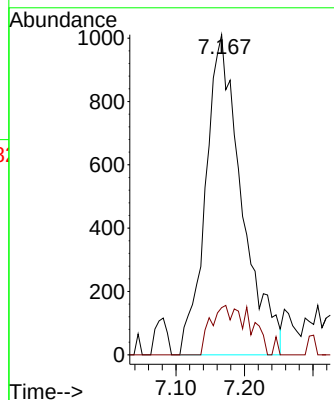
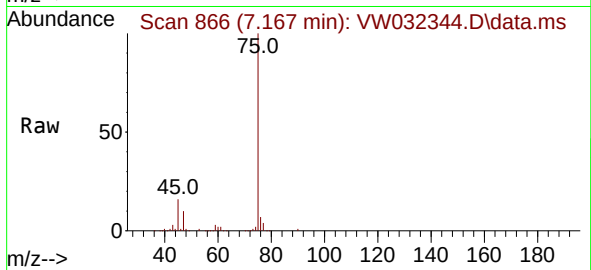




#25
2-Butanone
Concen: 3.399 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

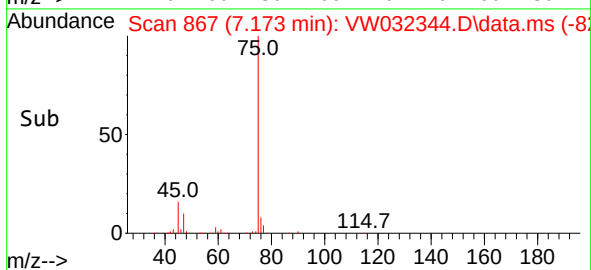
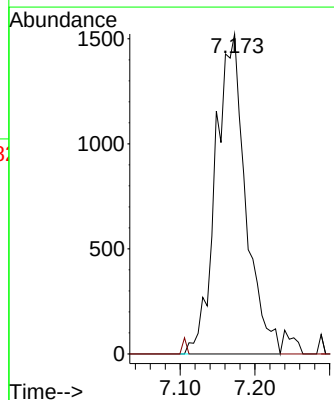
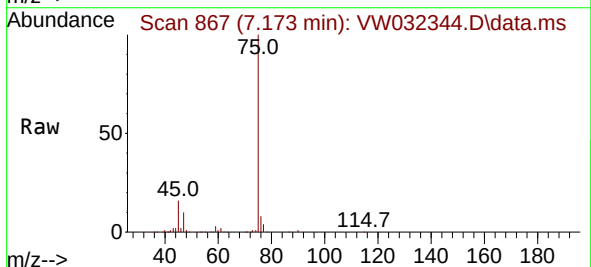
Instrument :
MSVOA_W
ClientSampleId :

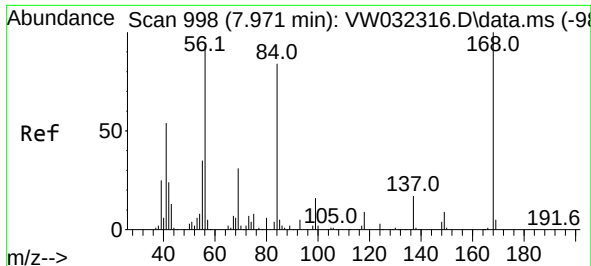
Tgt Ion: 43 Resp: 3694
Ion Ratio Lower Upper
43 100
72 14.7 21.4 32.2#



#26
2,2-Dichloropropane
Concen: 1.744 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 77 Resp: 4239
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#

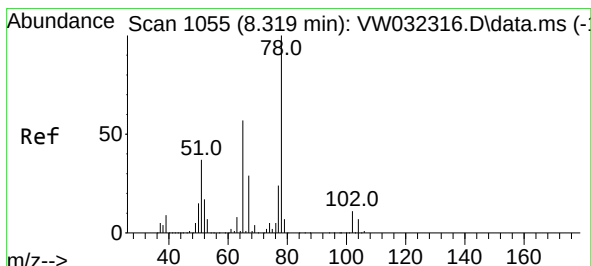
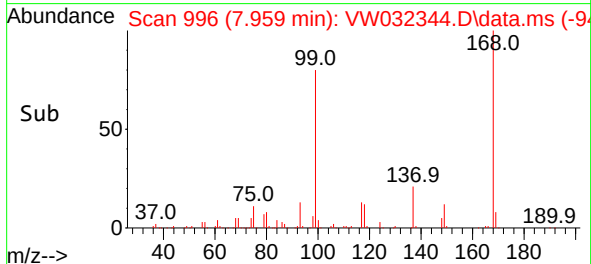
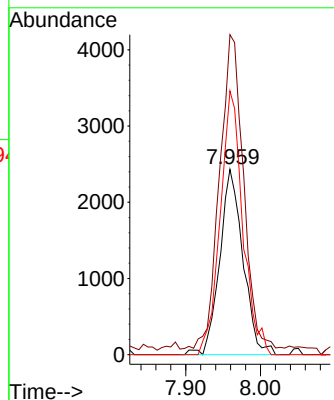
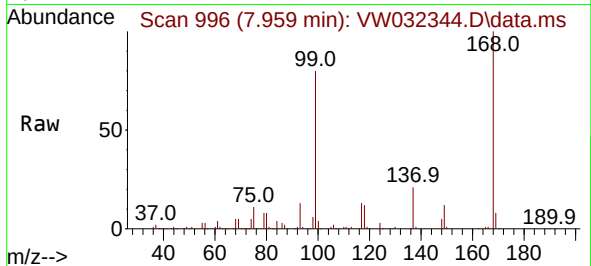




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

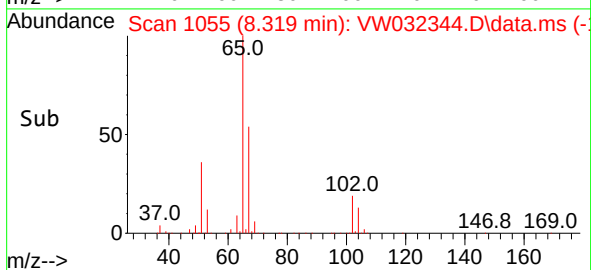
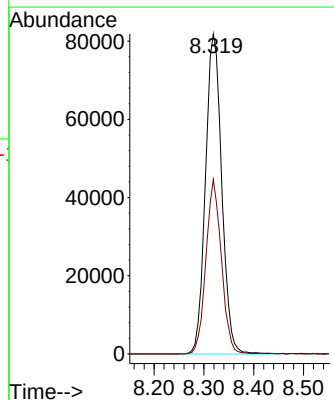
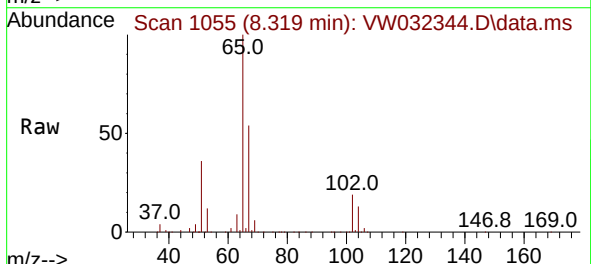
Instrument :
MSVOA_W
ClientSampleId :

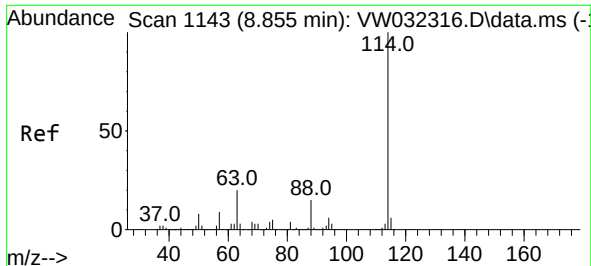
Tgt Ion: 56 Resp: 5270
Ion Ratio Lower Upper
56 100
69 169.7 27.7 41.5#
84 142.3 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 64.360 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

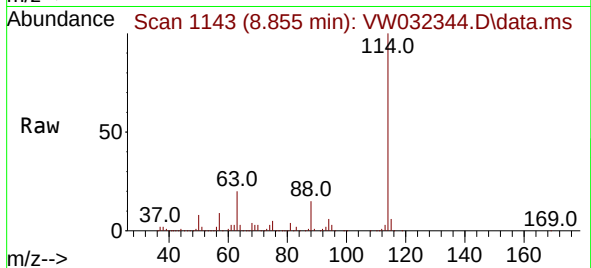
Tgt Ion: 65 Resp: 185460
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.6



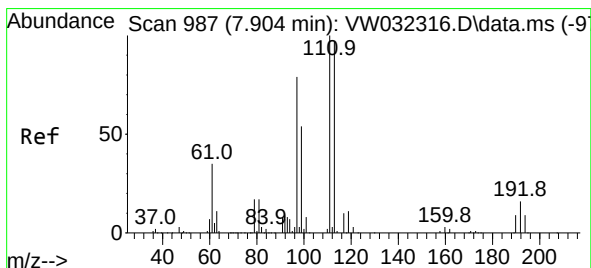
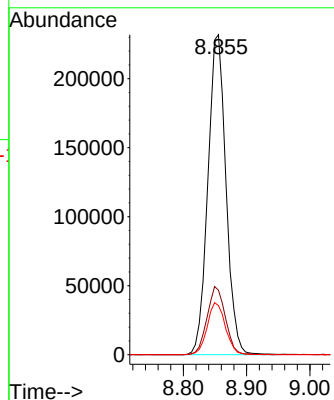
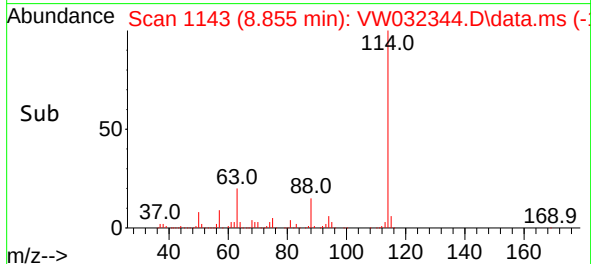


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032344.D
 Acq: 03 Oct 2025 11:32

Instrument :
 MSVOA_W
 ClientSampleId :

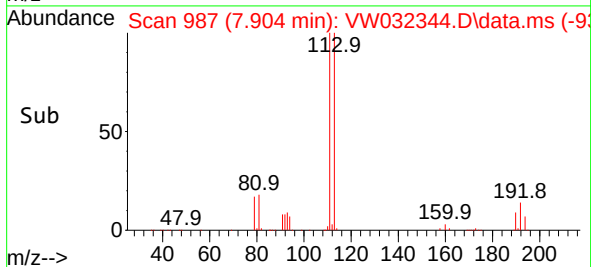
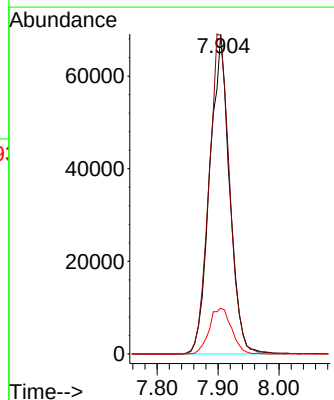
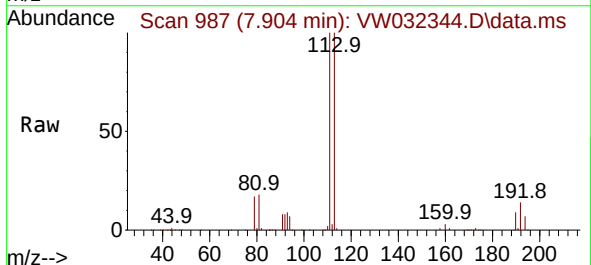


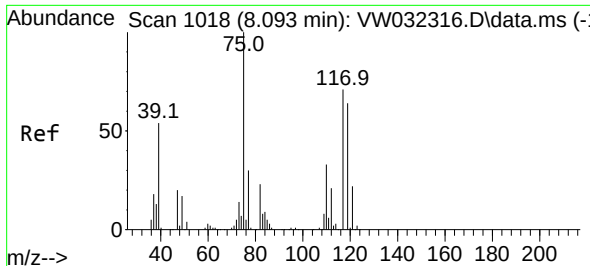
Tgt Ion:114 Resp: 460703
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 52.196 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: VW032344.D
 Acq: 03 Oct 2025 11:32

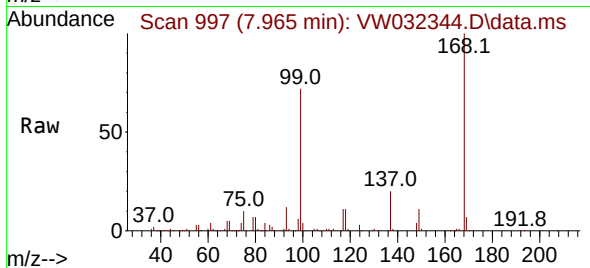
Tgt Ion:113 Resp: 155730
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.9 125.9
 192 16.1 14.6 21.8



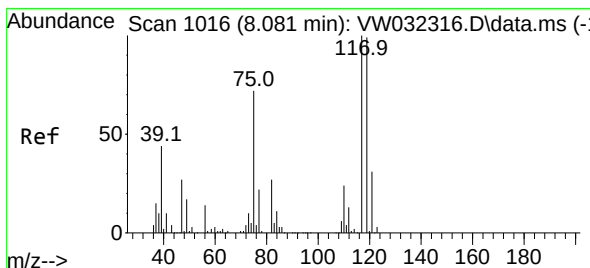
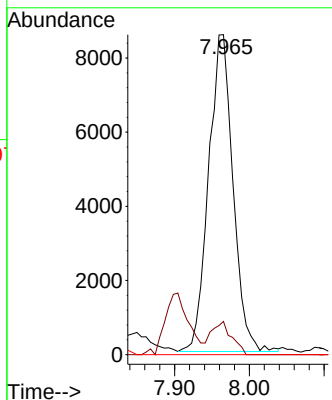
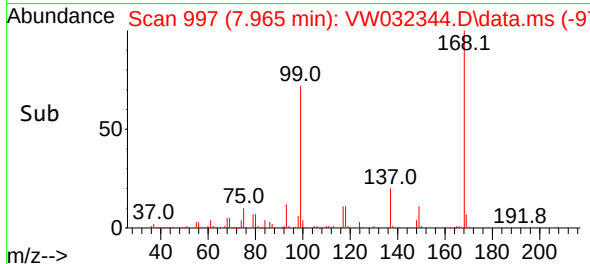


#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.134 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

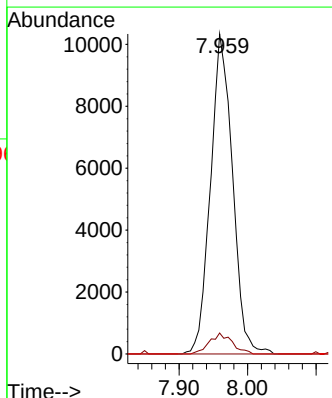
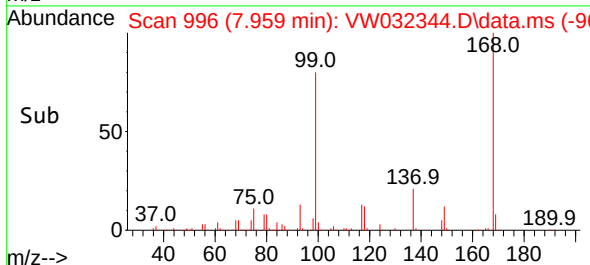
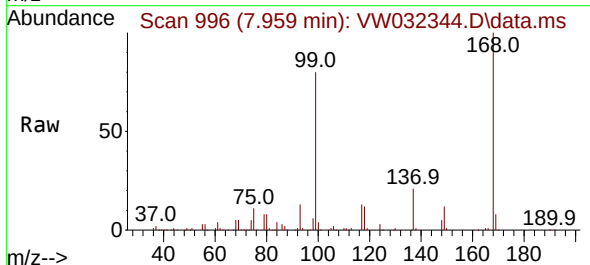


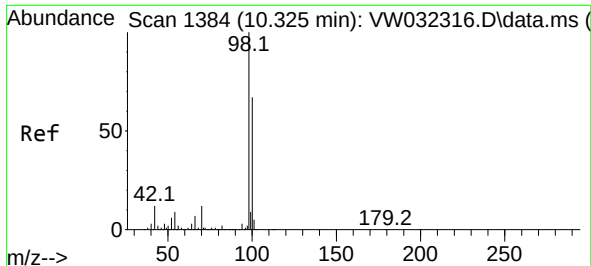
Tgt Ion: 75 Resp: 19422
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 117 Resp: 23047
Ion Ratio Lower Upper
117 100
119 6.5 74.2 111.2#
121 0.0 25.6 38.4#

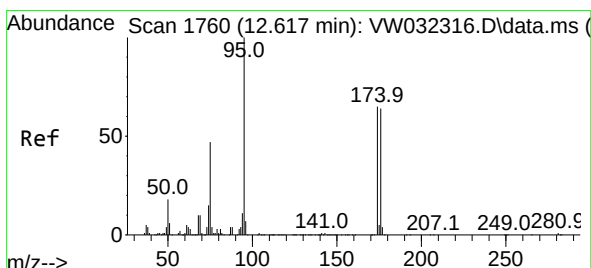
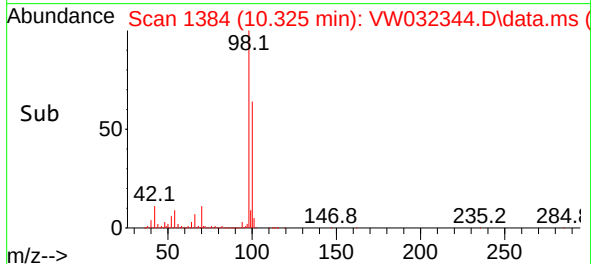
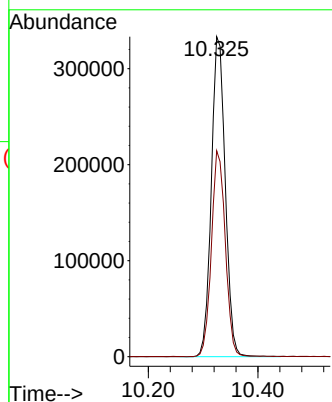
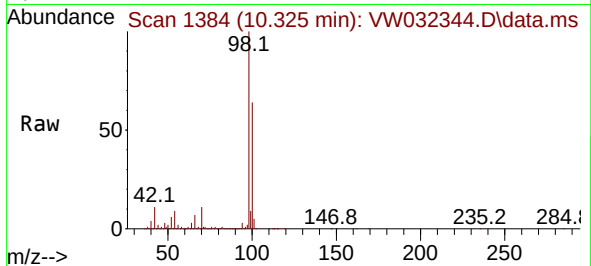




#50
Toluene-d8
Concen: 53.100 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

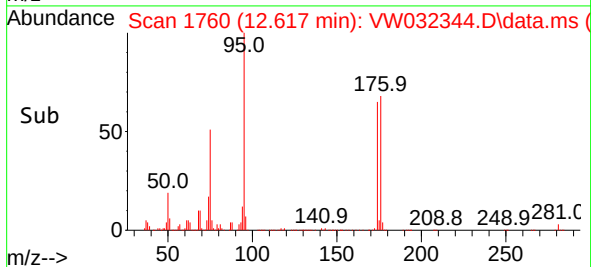
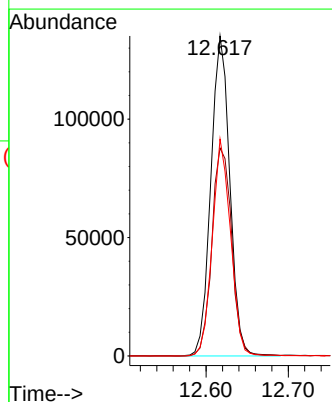
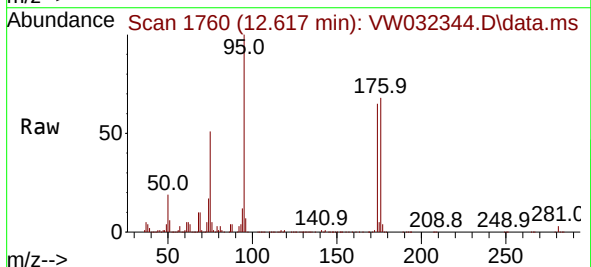
Instrument :
MSVOA_W
ClientSampleId :

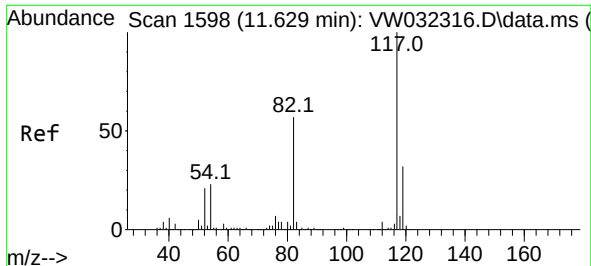
Tgt Ion: 98 Resp: 584724
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 52.007 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

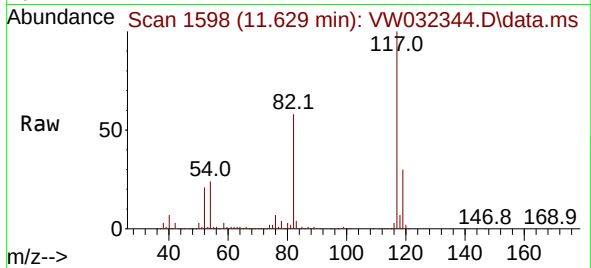
Tgt Ion: 95 Resp: 216454
Ion Ratio Lower Upper
95 100
174 68.1 0.0 145.6
176 65.8 0.0 140.8



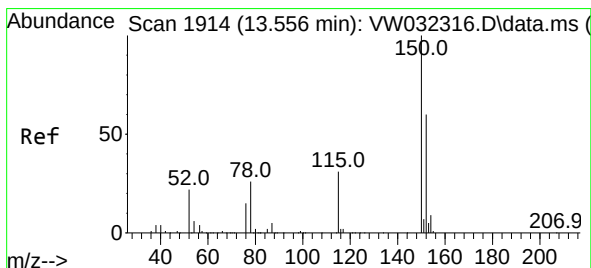
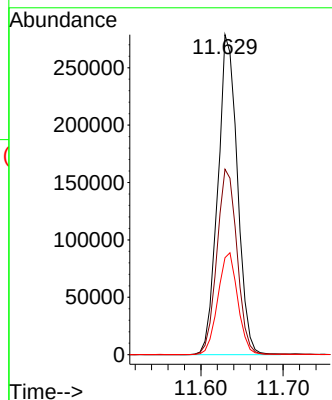
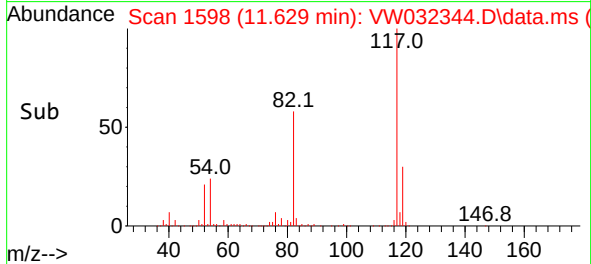


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

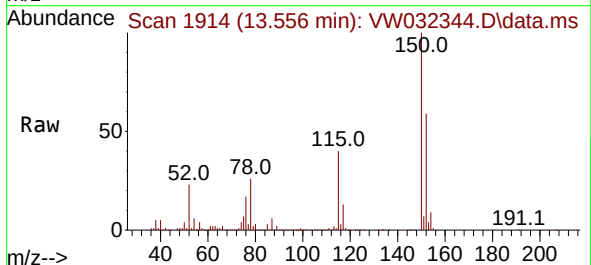
Instrument :
MSVOA_W
ClientSampleId :



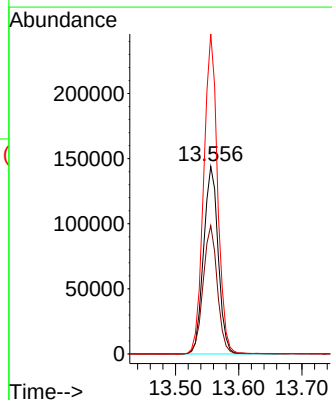
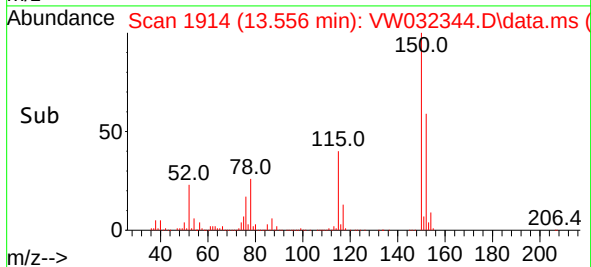
Tgt Ion:117 Resp: 461196
Ion Ratio Lower Upper
117 100
82 58.0 42.7 64.1
119 30.3 25.2 37.8

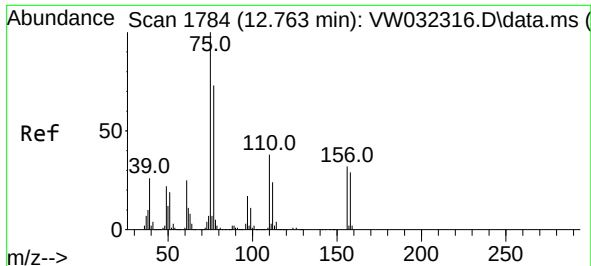


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32



Tgt Ion:152 Resp: 231911
Ion Ratio Lower Upper
152 100
115 66.5 31.8 95.4
150 162.7 0.0 343.0

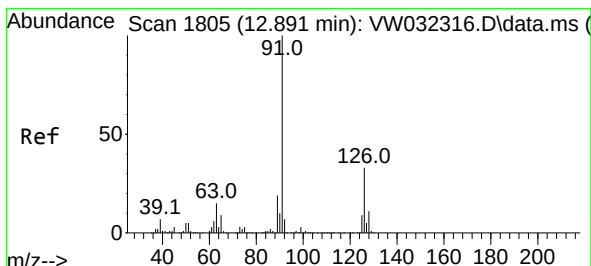
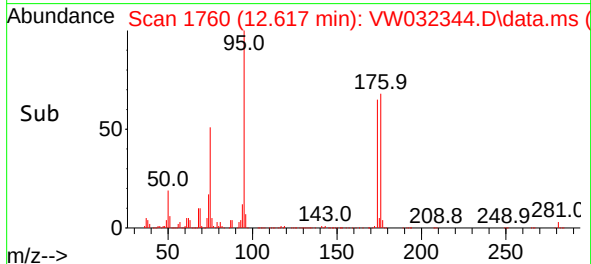
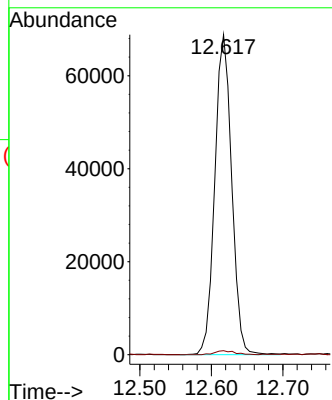
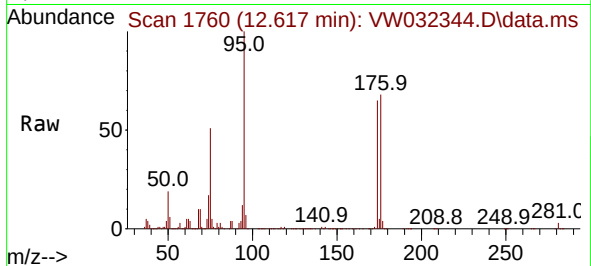




#76
1,2,3-Trichloropropane
Concen: 36.974 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.146 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

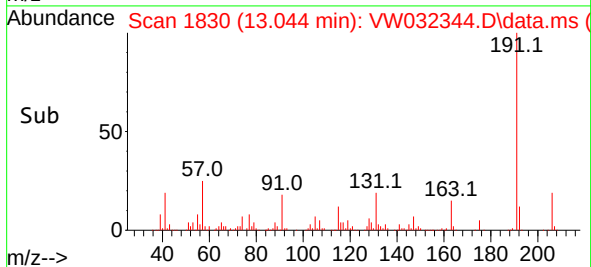
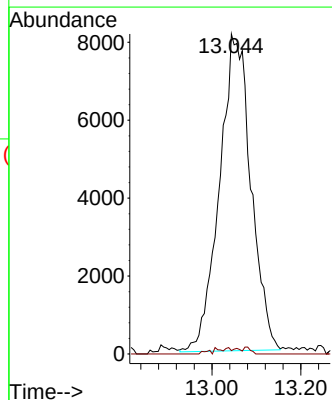
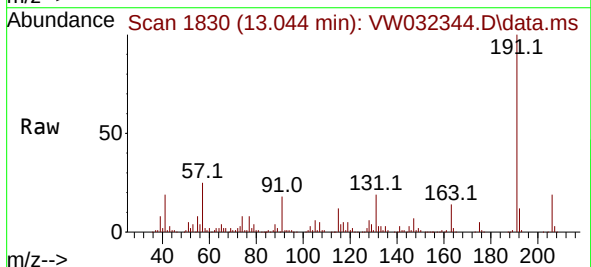
Instrument :
MSVOA_W
ClientSampleId :

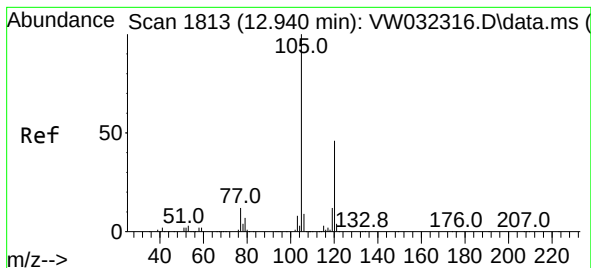
Tgt Ion: 75 Resp: 112838
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#79
2-Chlorotoluene
Concen: 3.292 ug/l
RT: 13.044 min Scan# 1830
Delta R.T. 0.158 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 91 Resp: 39893
Ion Ratio Lower Upper
91 100
126 0.4 16.6 49.7#





#80

1,3,5-Trimethylbenzene

Concen: 1.227 ug/l

RT: 13.062 min Scan# 11

Delta R.T. 0.122 min

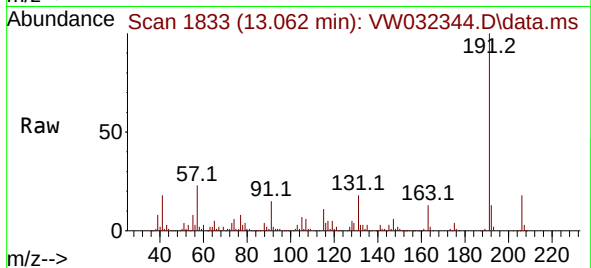
Lab File: VW032344.D

Acq: 03 Oct 2025 11:32

Instrument :

MSVOA_W

ClientSampleId :

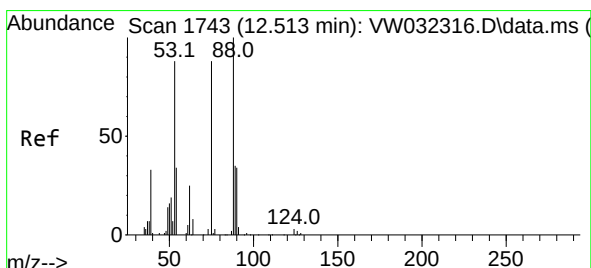
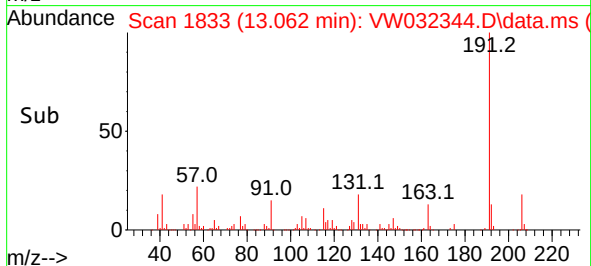
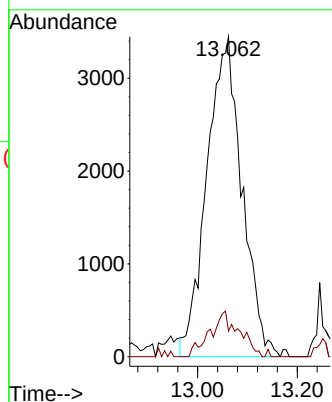


Tgt Ion:105 Resp: 16839

Ion Ratio Lower Upper

105 100

120 11.0 24.8 74.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.665 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.104 min

Lab File: VW032344.D

Acq: 03 Oct 2025 11:32

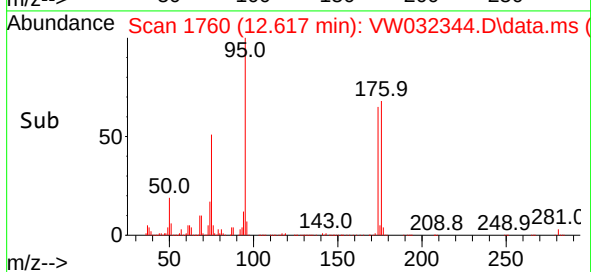
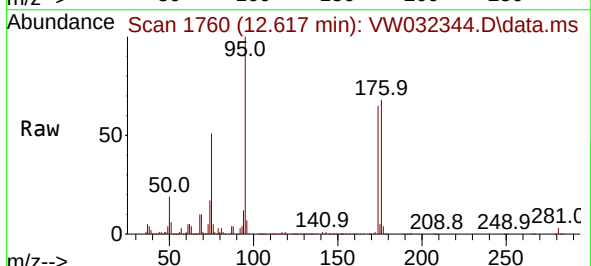
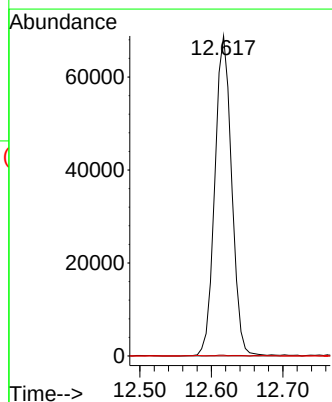
Tgt Ion: 75 Resp: 112838

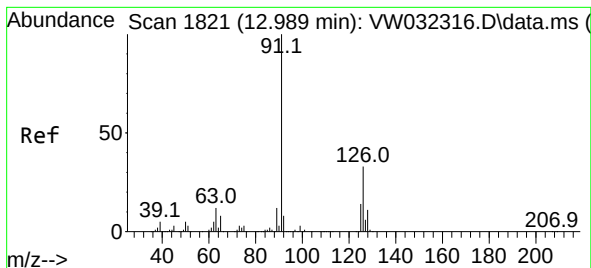
Ion Ratio Lower Upper

75 100

53 0.3 91.0 136.6#

89 0.0 39.4 59.2#

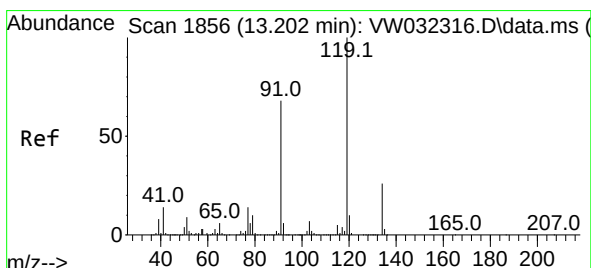
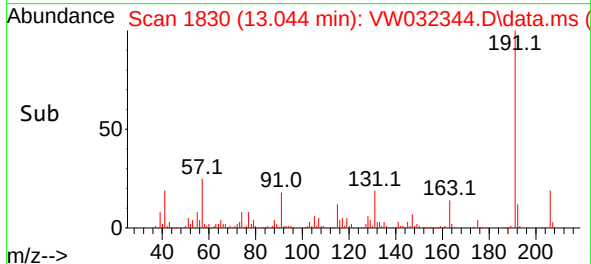
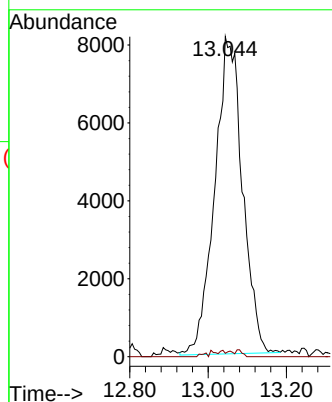
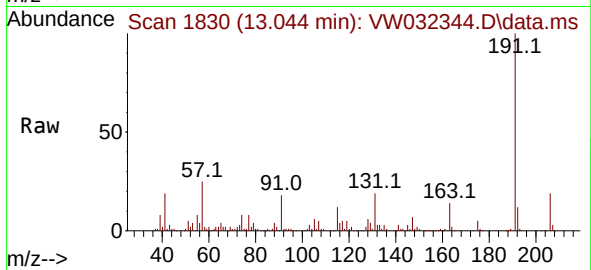




#82
4-Chlorotoluene
Concen: 3.112 ug/l
RT: 13.044 min Scan# 1830
Delta R.T. 0.055 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 91 Resp: 40098
Ion Ratio Lower Upper
91 100
126 0.4 16.1 48.2#



#83
tert-Butylbenzene
Concen: 1.108 ug/l
RT: 13.056 min Scan# 1832
Delta R.T. -0.146 min
Lab File: VW032344.D
Acq: 03 Oct 2025 11:32

Tgt Ion: 119 Resp: 12475
Ion Ratio Lower Upper
119 100
91 317.5 33.8 101.3#
134 2.2 12.5 37.5#

