

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032116.D
 Acq On : 22 Aug 2025 17:12
 Operator : SY/MD
 Sample : Q2932-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

Quant Time: Aug 25 03:59:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

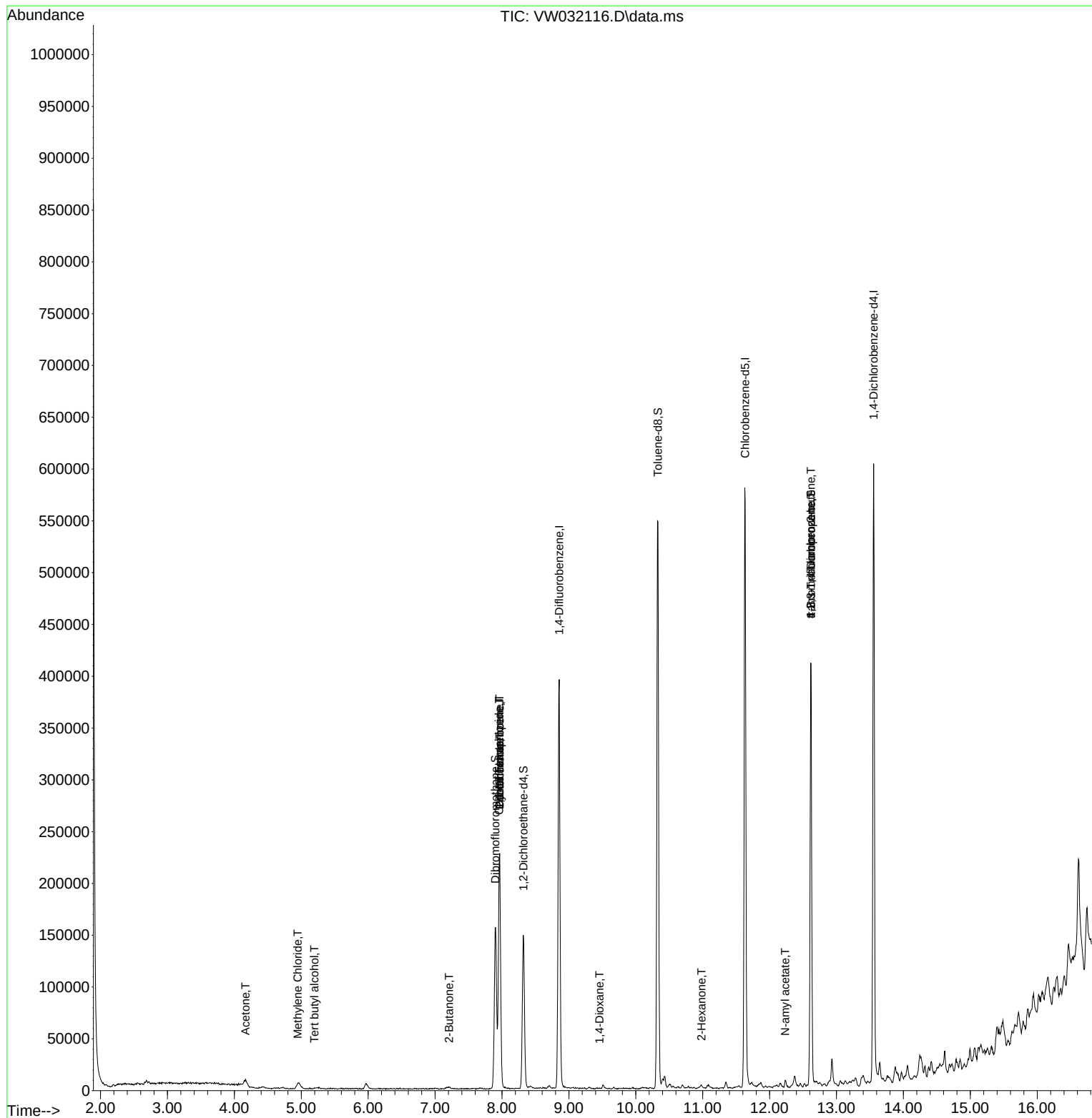
Internal Standards						
1) Pentafluorobenzene	7.965	168	160637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	323665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	317023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	151018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121530	52.310	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.620%			
35) Dibromofluoromethane	7.898	113	113328	54.198	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.400%			
50) Toluene-d8	10.330	98	371714	48.062	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.120%			
62) 4-Bromofluorobenzene	12.617	95	130364	45.740	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.480%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	710	4.720	ug/l #	85
16) Acetone	4.167	43	8174	15.196	ug/l	92
20) Methylene Chloride	4.947	84	5381	2.164	ug/l	90
25) 2-Butanone	7.209	43	1752	2.292	ug/l #	85
31) Cyclohexane	7.965	56	4886	1.476	ug/l #	34
36) 1,1-Dichloropropene	7.965	75	14111	4.787	ug/l #	52
38) Carbon Tetrachloride	7.959	117	18193	6.395	ug/l #	20
49) 1,4-Dioxane	9.459	88	34	1.841	ug/l #	21
59) 2-Hexanone	10.983	43	2524	2.021	ug/l	80
74) N-amyl acetate	12.233	43	4051	1.338	ug/l #	46
76) 1,2,3-Trichloropropane	12.617	75	73790	36.001	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	73790	93.203	ug/l #	9

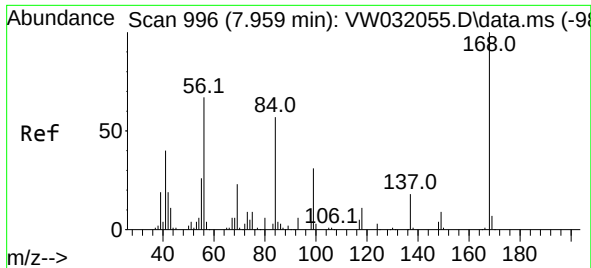
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_W
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ARS20-0009

Quant Time: Aug 25 03:59:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 12 04:04:48 2025
Response via : Initial Calibration

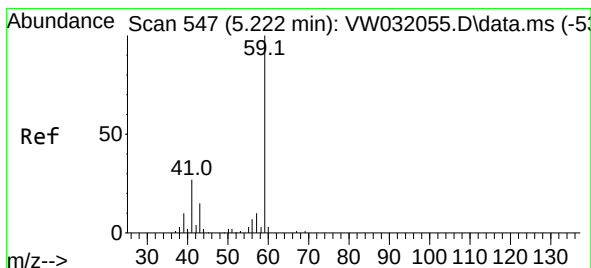
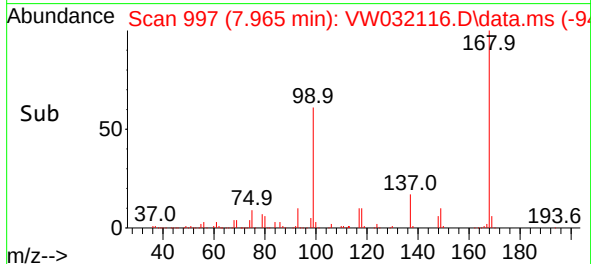
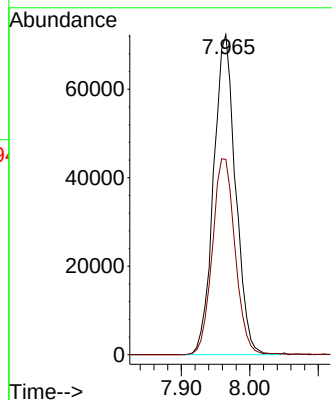
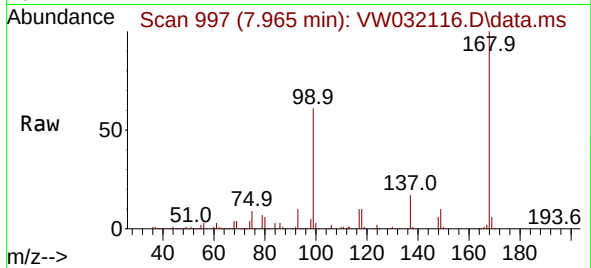




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

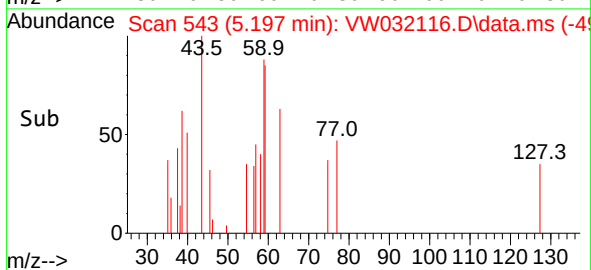
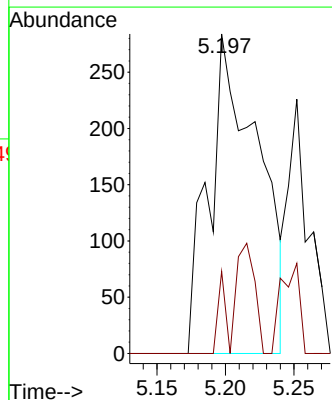
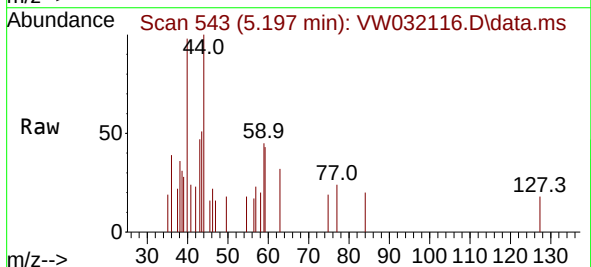
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

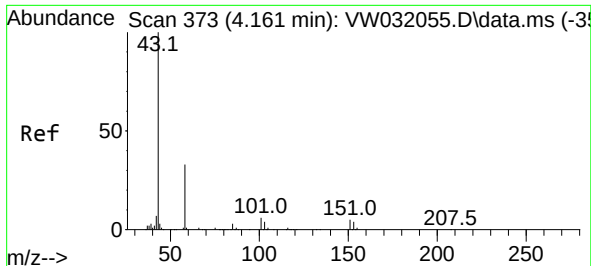
Tgt Ion:168 Resp: 160637
Ion Ratio Lower Upper
168 100
99 61.1 56.0 84.0



#11
Tert butyl alcohol
Concen: 4.720 ug/l
RT: 5.197 min Scan# 543
Delta R.T. -0.025 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 59 Resp: 710
Ion Ratio Lower Upper
59 100
57 16.5 8.7 13.1#

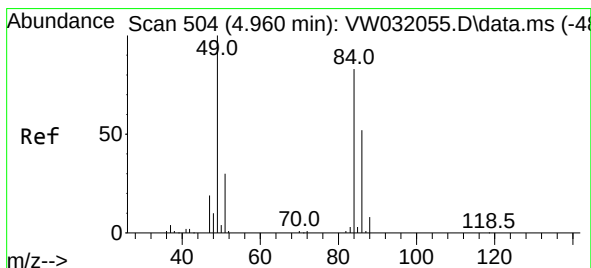
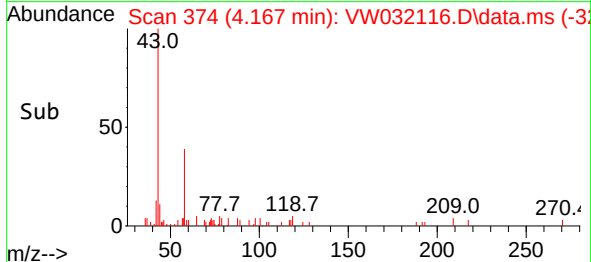
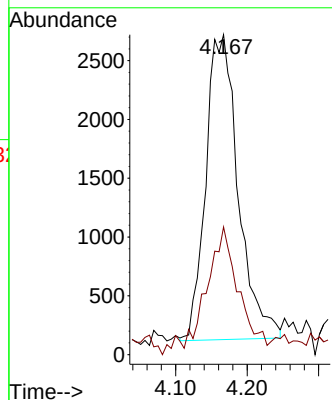
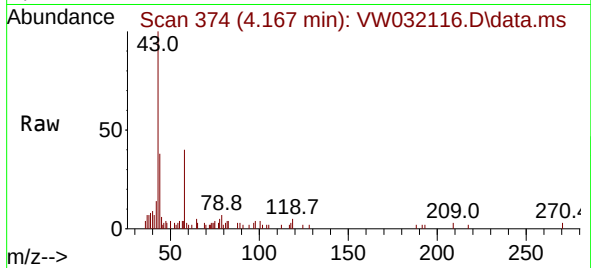




#16
Acetone
Concen: 15.196 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

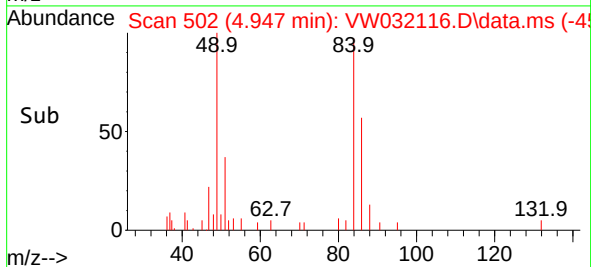
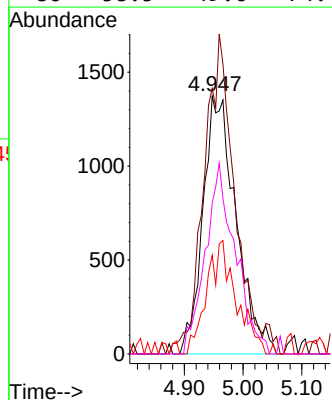
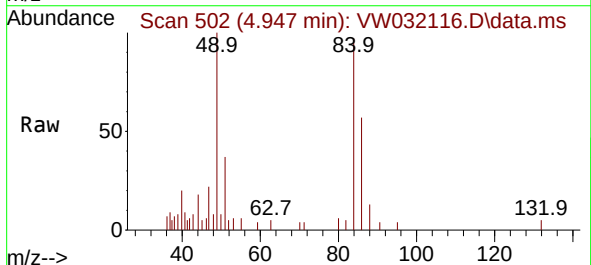
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

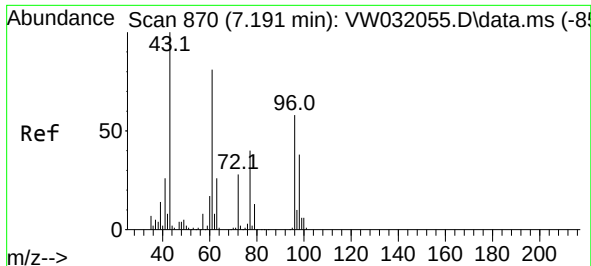
Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 37.6 26.6 39.8



#20
Methylene Chloride
Concen: 2.164 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.013 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 84 Resp: 5381
Ion Ratio Lower Upper
84 100
49 103.0 95.9 143.9
51 38.2 28.6 43.0
86 58.5 49.6 74.4

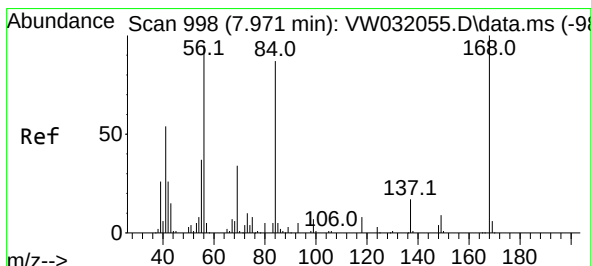
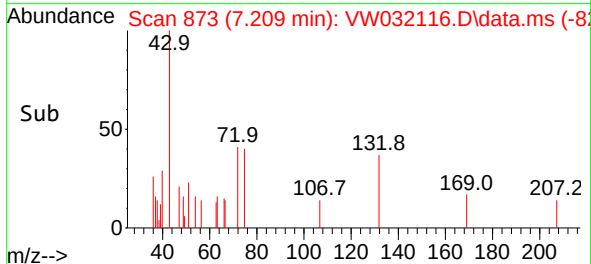
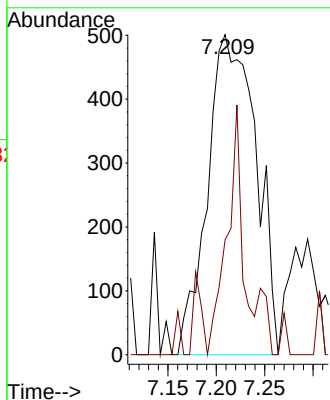
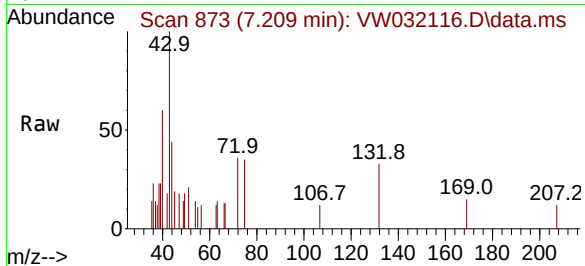




#25
2-Butanone
Concen: 2.292 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

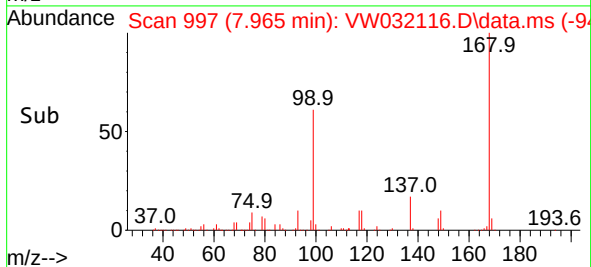
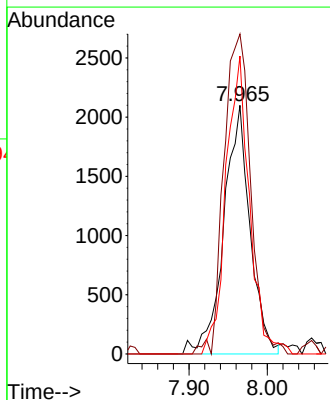
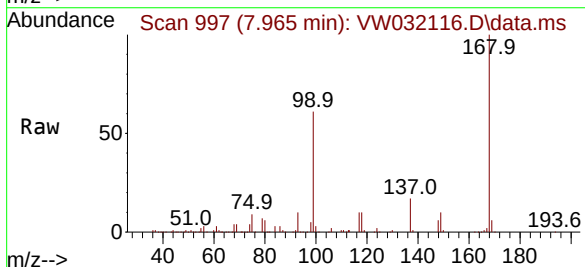
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

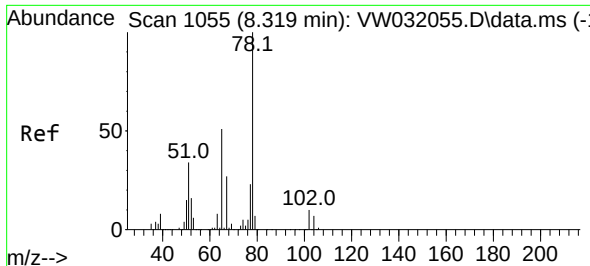
Tgt Ion: 43 Resp: 1752
Ion Ratio Lower Upper
43 100
72 35.9 22.3 33.5#



#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 56 Resp: 4886
Ion Ratio Lower Upper
56 100
69 128.7 28.6 42.8#
84 119.8 73.0 109.4#

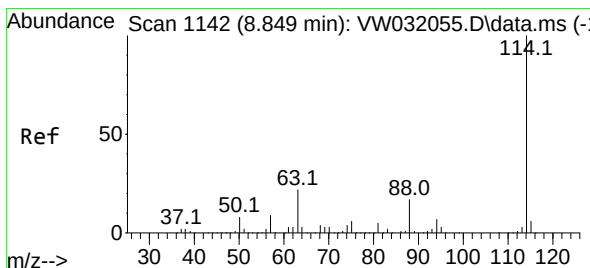
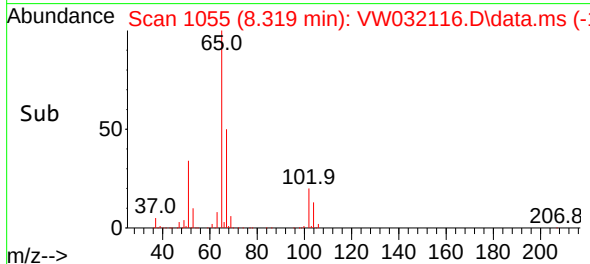
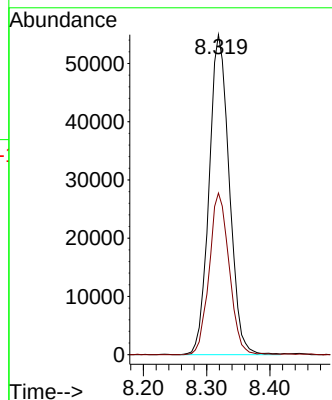
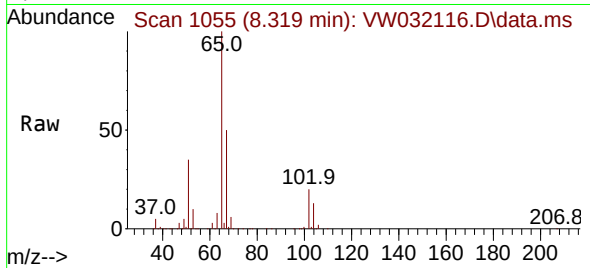




#33
 1,2-Dichloroethane-d4
 Concen: 52.310 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

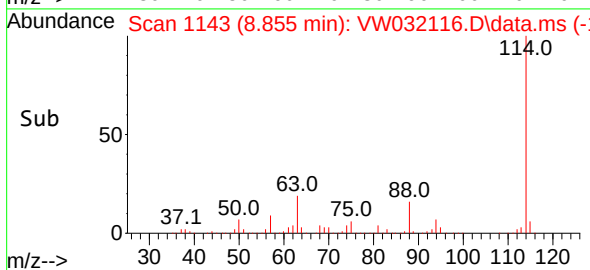
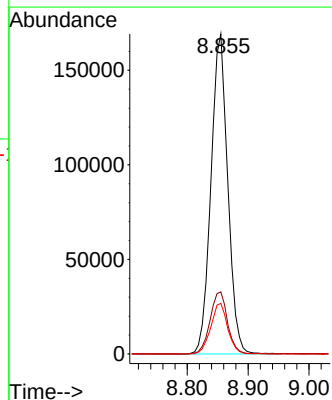
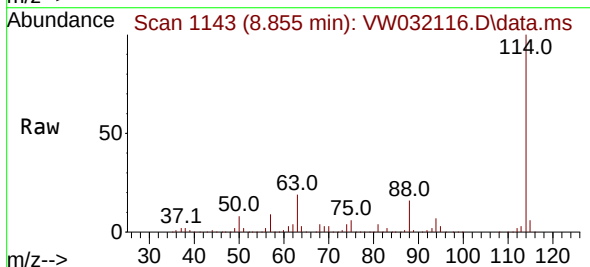
Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

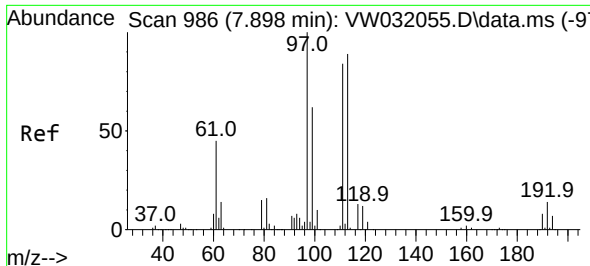
Tgt Ion: 65 Resp: 121530
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

Tgt Ion: 114 Resp: 323665
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.0
 88 15.8 0.0 33.8

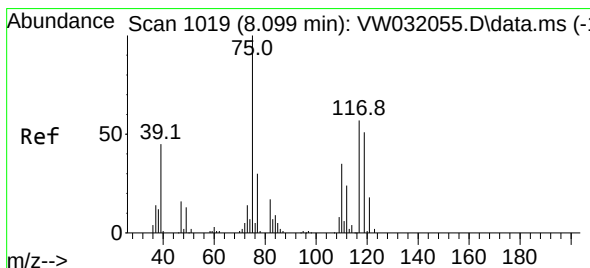
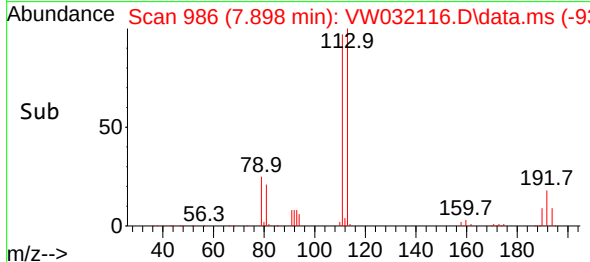
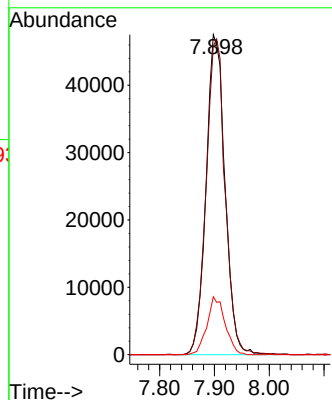
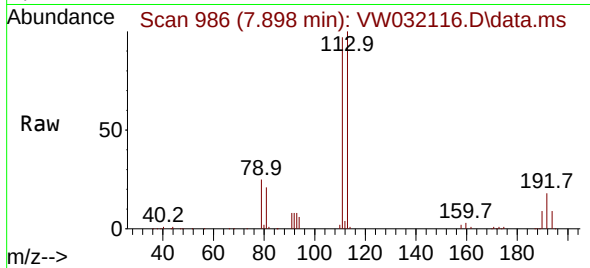




#35
 Dibromofluoromethane
 Concen: 54.198 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

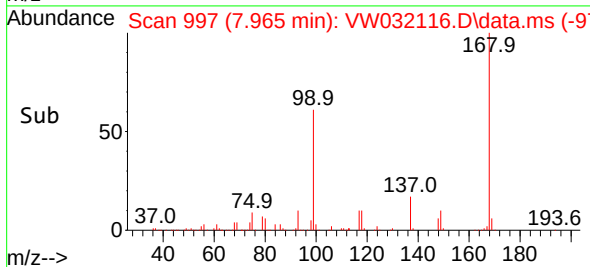
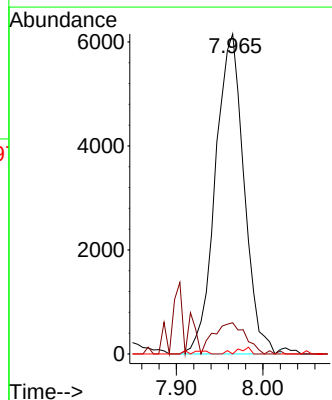
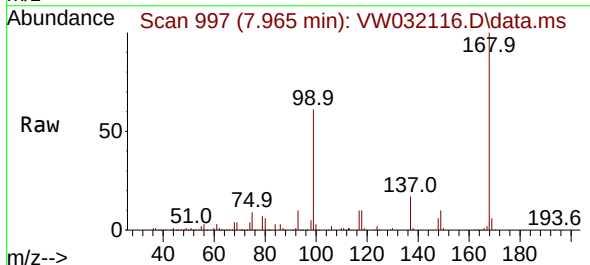
Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

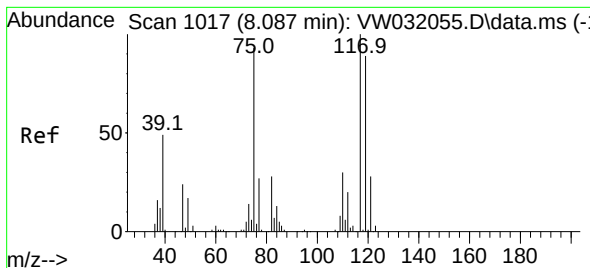
Tgt Ion:113 Resp: 113328
 Ion Ratio Lower Upper
 113 100
 111 99.5 80.1 120.1
 192 17.5 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

Tgt Ion: 75 Resp: 14111
 Ion Ratio Lower Upper
 75 100
 110 10.8 17.4 52.2#
 77 0.9 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.395 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032116.D

Acq: 22 Aug 2025 17:12

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0009

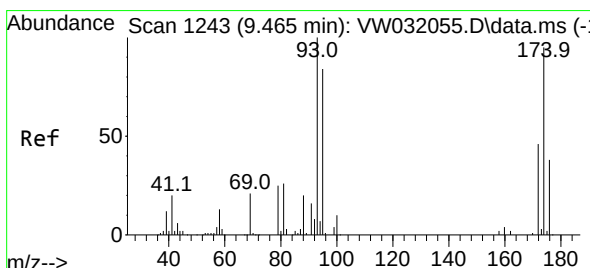
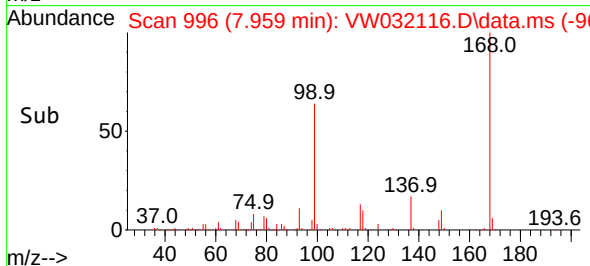
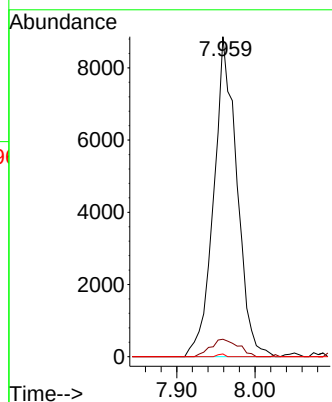
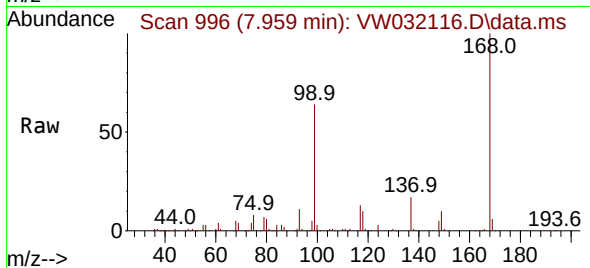
Tgt Ion:117 Resp: 18193

Ion Ratio Lower Upper

117 100

119 5.5 71.4 107.2#

121 0.9 22.3 33.5#



#49

1,4-Dioxane

Concen: 1.841 ug/l

RT: 9.459 min Scan# 1242

Delta R.T. -0.006 min

Lab File: VW032116.D

Acq: 22 Aug 2025 17:12

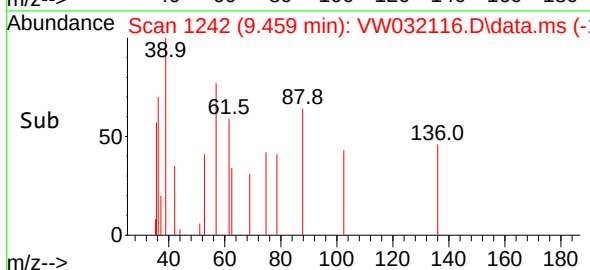
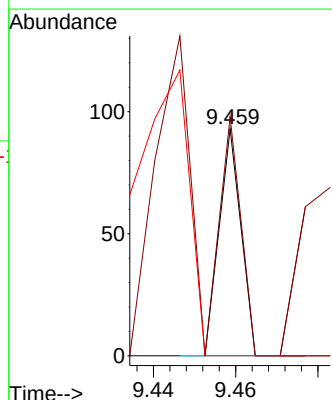
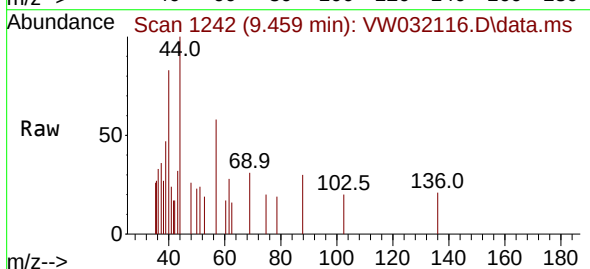
Tgt Ion: 88 Resp: 34

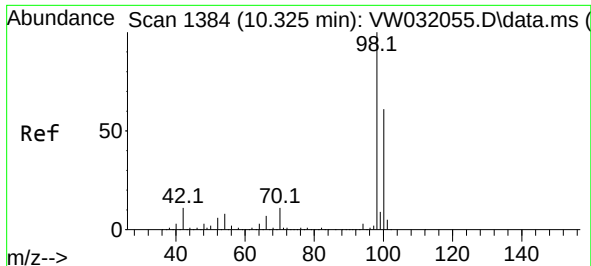
Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 0.0 60.4 90.6#

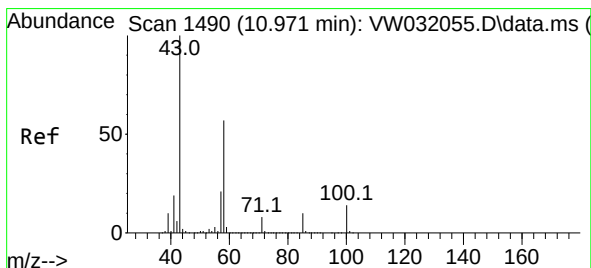
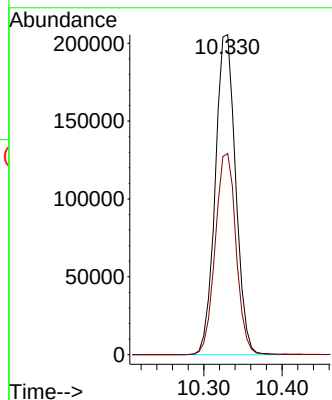
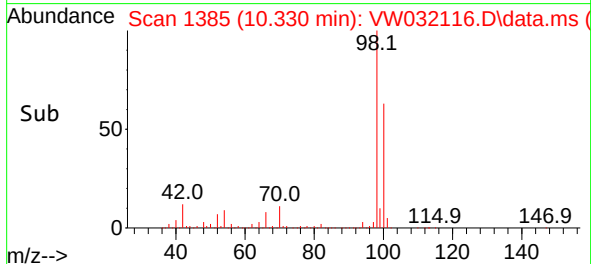
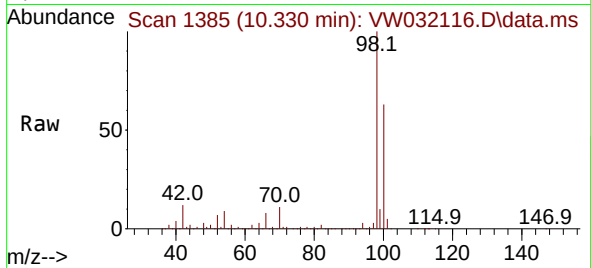




#50
Toluene-d8
Concen: 48.062 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

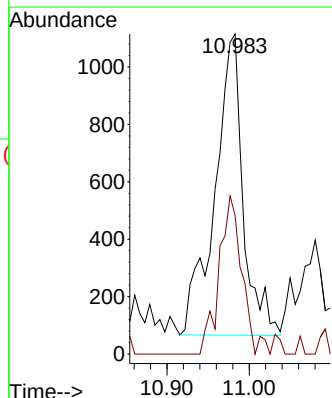
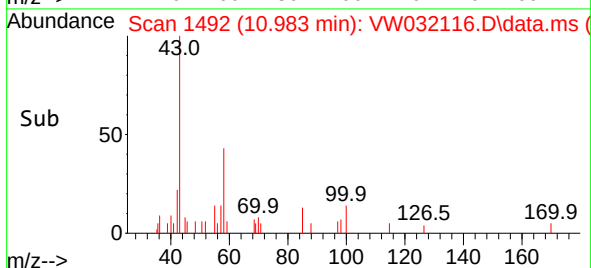
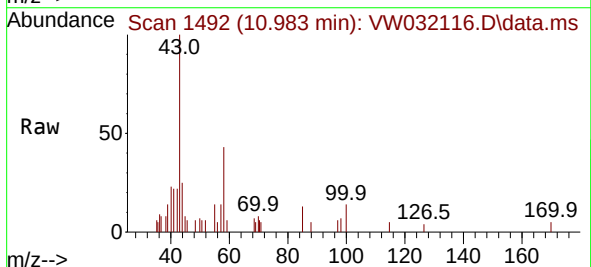
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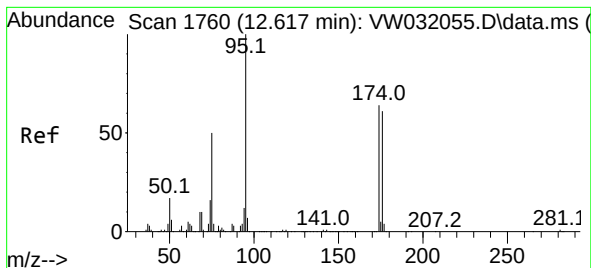
Tgt Ion: 98 Resp: 371714
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#59
2-Hexanone
Concen: 2.021 ug/l
RT: 10.983 min Scan# 1492
Delta R.T. 0.012 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 43 Resp: 2524
Ion Ratio Lower Upper
43 100
58 42.2 28.3 85.0

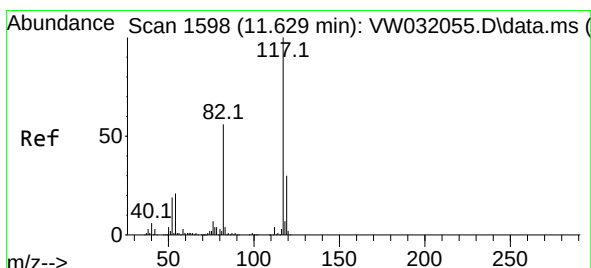
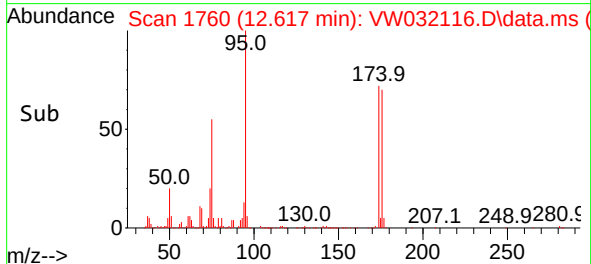
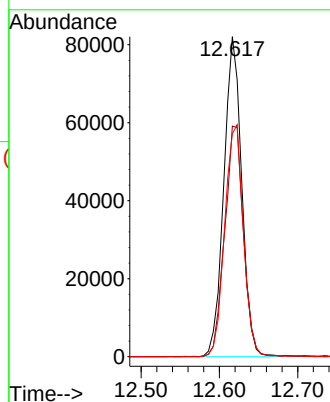
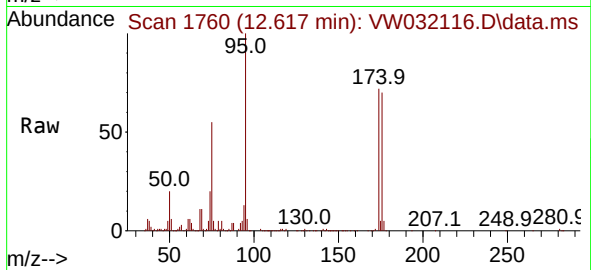




#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

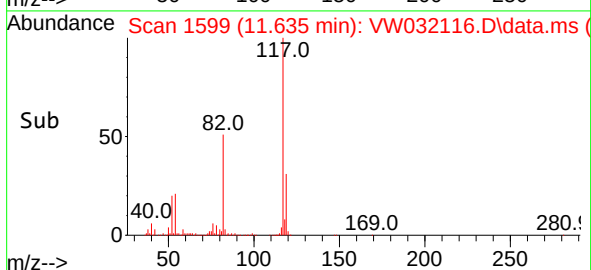
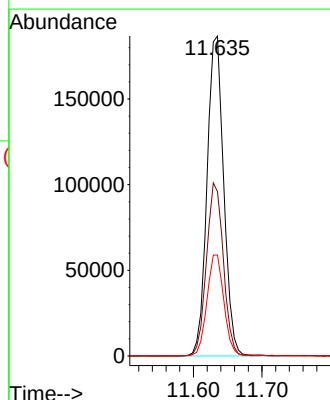
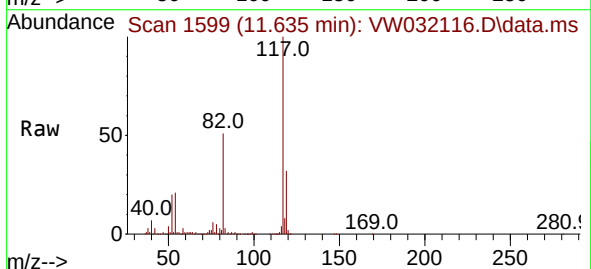
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

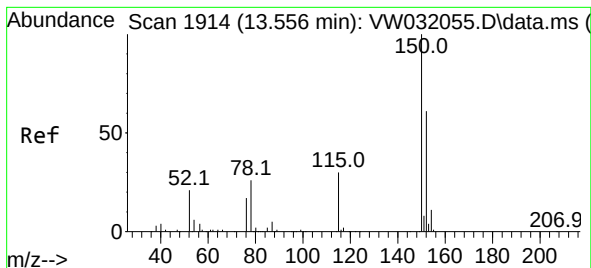
Tgt Ion: 95 Resp: 130364
Ion Ratio Lower Upper
95 100
174 75.8 0.0 129.0
176 75.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

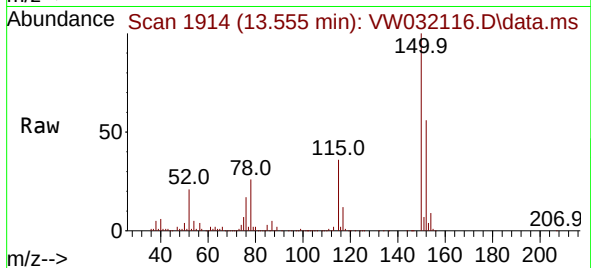
Tgt Ion: 117 Resp: 317023
Ion Ratio Lower Upper
117 100
82 51.3 45.0 67.4
119 31.5 24.2 36.4



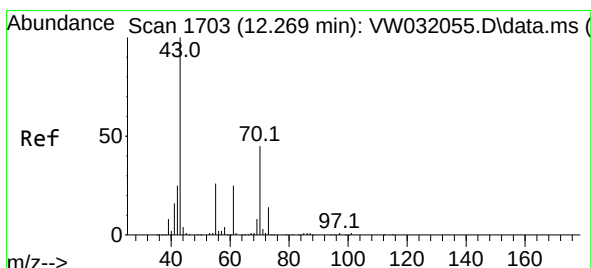
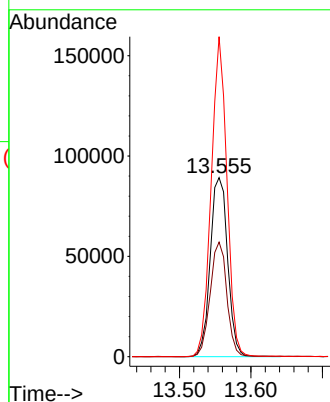
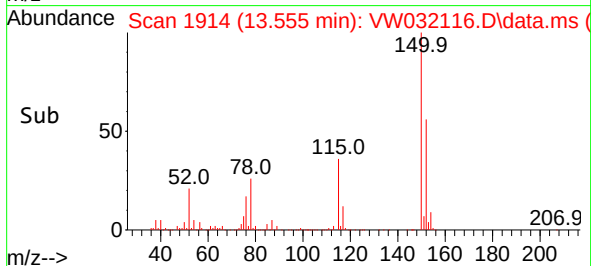


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

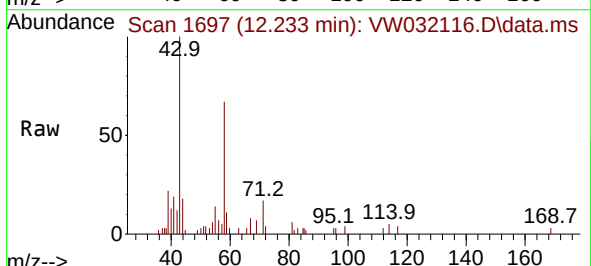
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009



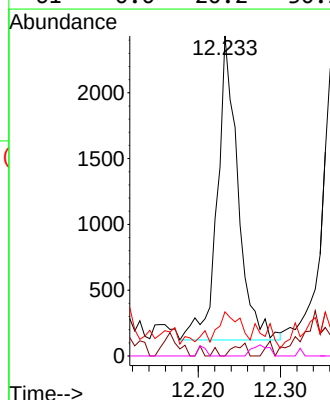
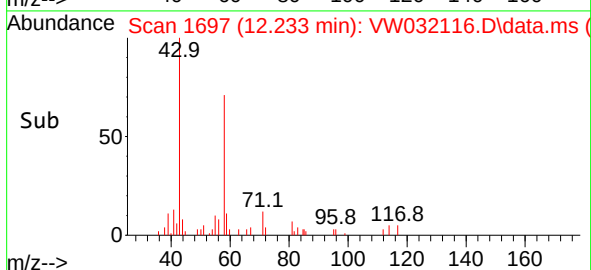
Tgt Ion:152 Resp: 151018
Ion Ratio Lower Upper
152 100
115 61.6 32.6 97.8
150 161.2 0.0 359.4

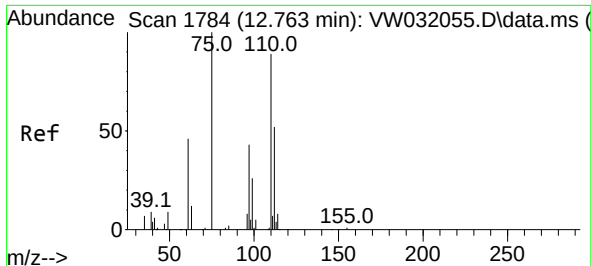


#74
N-ethyl acetate
Concen: 1.338 ug/l
RT: 12.233 min Scan# 1697
Delta R.T. -0.037 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12



Tgt Ion: 43 Resp: 4051
Ion Ratio Lower Upper
43 100
70 0.6 37.0 55.4#
55 9.5 21.1 31.7#
61 0.0 20.2 30.2#

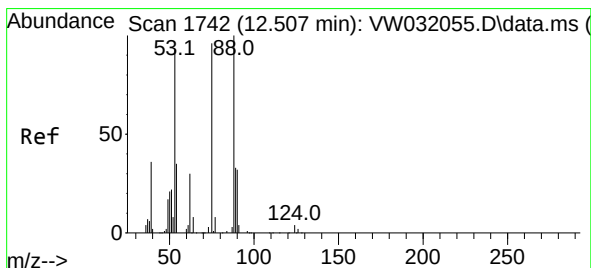
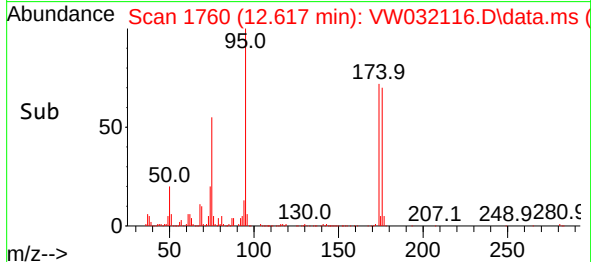
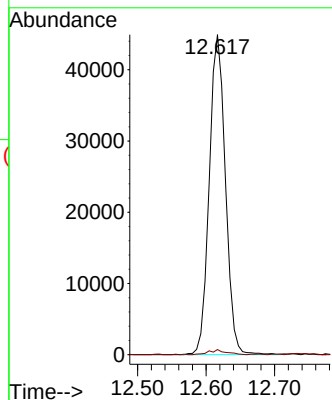
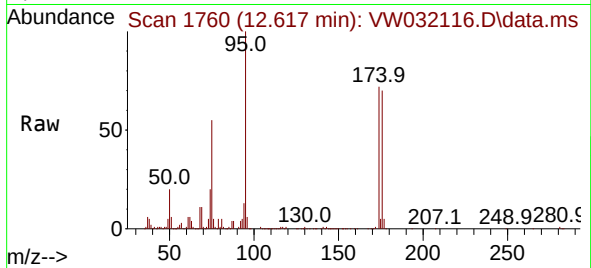




#76
1,2,3-Trichloropropane
Concen: 36.001 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

Tgt Ion: 75 Resp: 73790
Ion Ratio Lower Upper
75 100
77 1.7 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.203 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.109 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 75 Resp: 73790
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.0 37.3 55.9#

