

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032089.D
 Acq On : 14 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2820-06
 Misc : 3.48g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 518R-N

Quant Time: Aug 18 03:51:37 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)

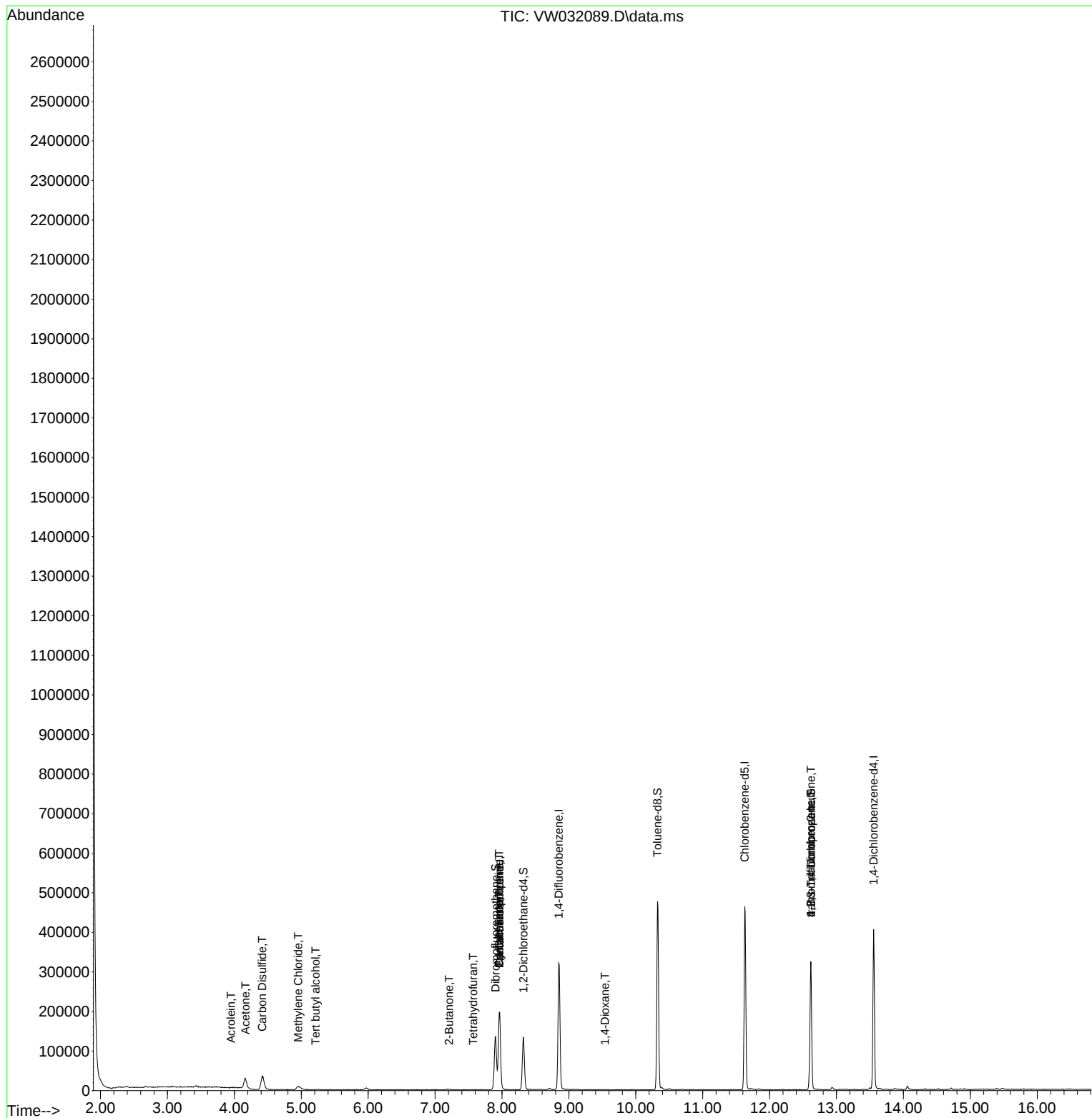
Internal Standards						
1) Pentafluorobenzene	7.965	168	136247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	267749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	243648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	97060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107314	54.460	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.920%		
35) Dibromofluoromethane	7.904	113	94768	54.787	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.580%		
50) Toluene-d8	10.324	98	309363	48.354	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.700%		
62) 4-Bromofluorobenzene	12.617	95	96648	40.992	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 81.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	238	1.865	ug/l #	71
13) Acrolein	3.948	56	345	1.697	ug/l #	52
16) Acetone	4.167	43	44326	97.158	ug/l	91
17) Carbon Disulfide	4.417	76	84838	19.129	ug/l #	92
20) Methylene Chloride	4.953	84	8408	3.986	ug/l #	86
25) 2-Butanone	7.209	43	1443	2.225	ug/l	96
29) Tetrahydrofuran	7.569	42	436	1.020	ug/l #	49
31) Cyclohexane	7.959	56	4183	1.490	ug/l #	33
36) 1,1-Dichloropropene	7.959	75	12850	5.270	ug/l #	50
38) Carbon Tetrachloride	7.959	117	15528	6.599	ug/l #	20
49) 1,4-Dioxane	9.538	88	31	2.029	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	54929	41.697	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	54929	107.950	ug/l #	9

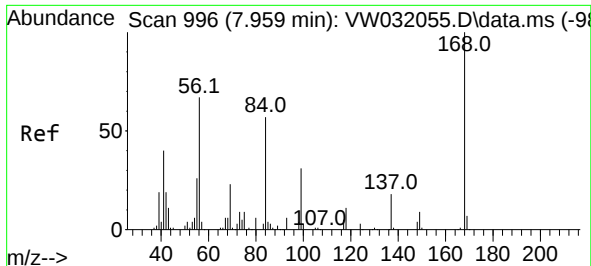
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 03:51:37 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

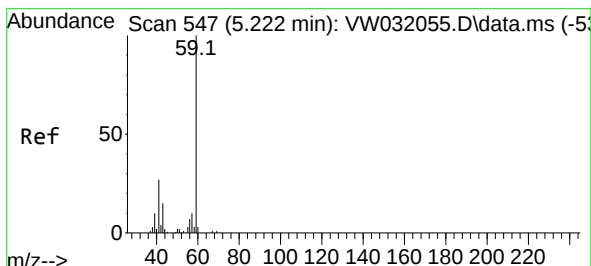
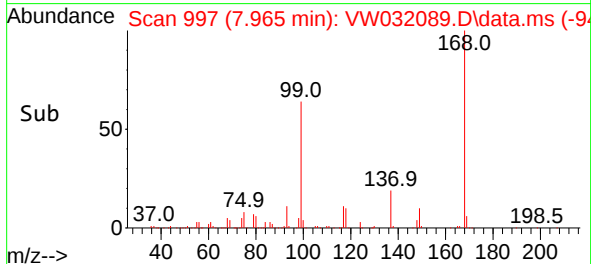
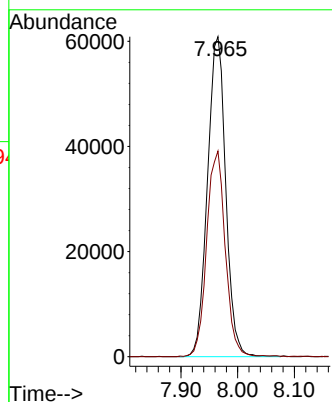
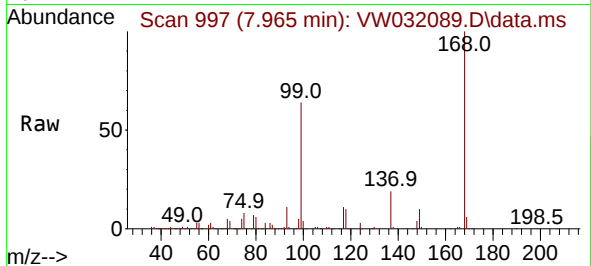




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

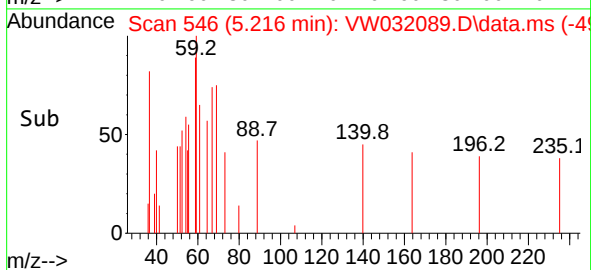
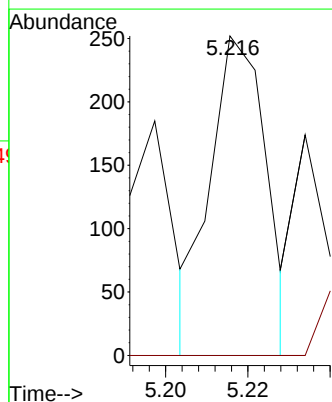
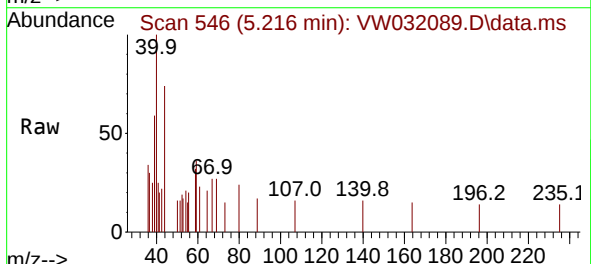
Instrument :
MSVOA_W
ClientSampleId :
518R-N

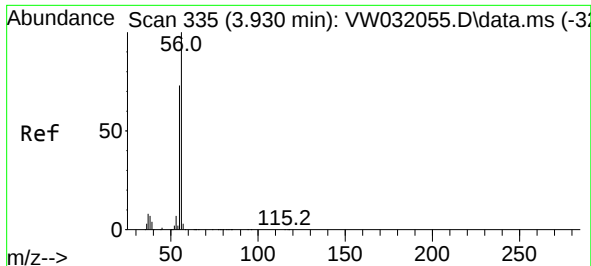
Tgt Ion:168 Resp: 136247
Ion Ratio Lower Upper
168 100
99 64.1 56.0 84.0



#11
Tert butyl alcohol
Concen: 1.865 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

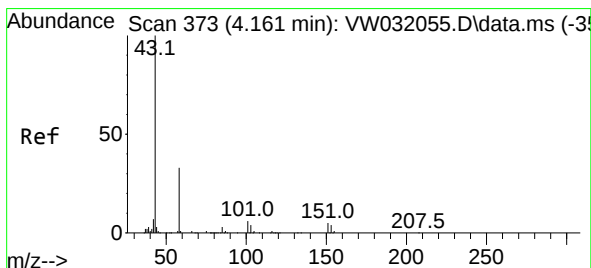
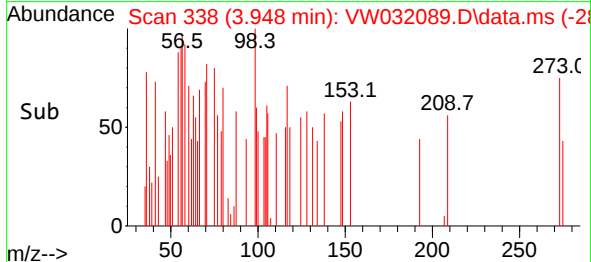
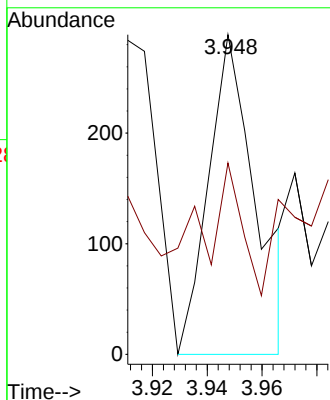
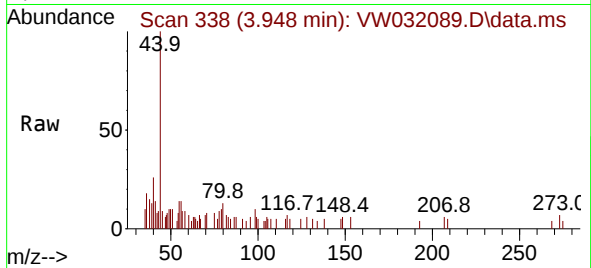




#13
Acrolein
Concen: 1.697 ug/l
RT: 3.948 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

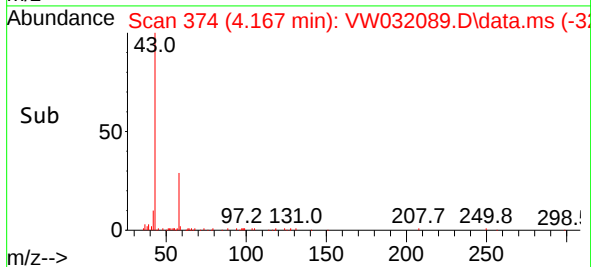
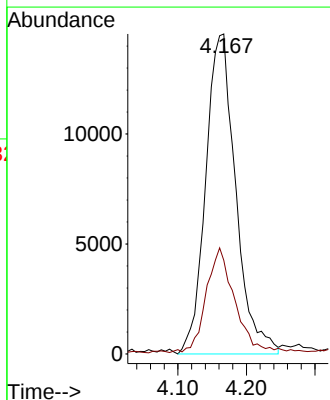
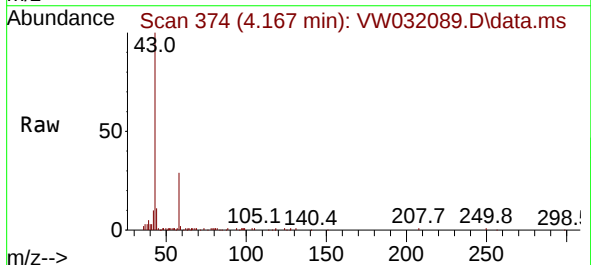
Instrument :
MSVOA_W
ClientSampleId :
518R-N

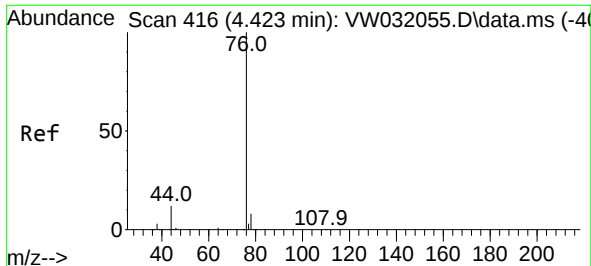
Tgt Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 30.1 55.4 83.2#



#16
Acetone
Concen: 97.158 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 43 Resp: 44326
Ion Ratio Lower Upper
43 100
58 27.9 26.6 39.8

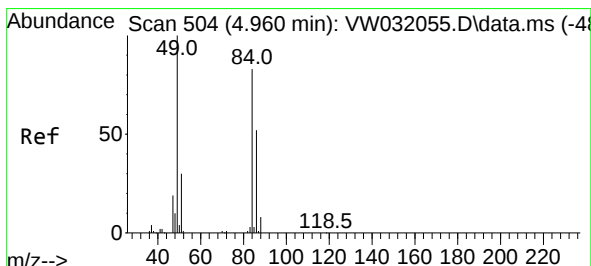
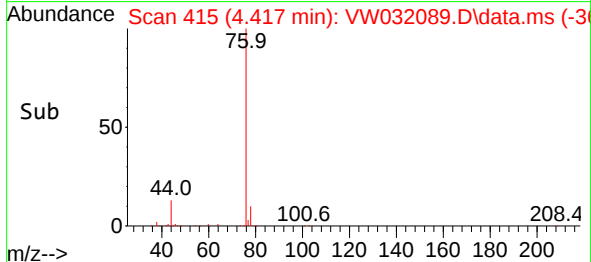
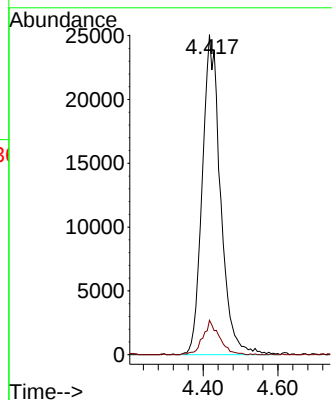
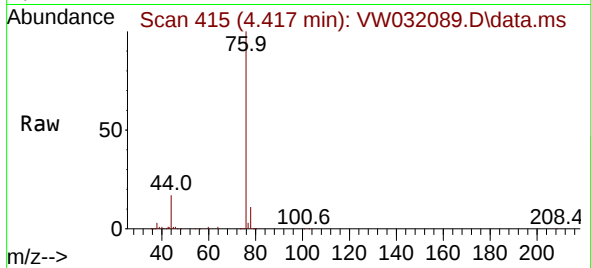




#17
Carbon Disulfide
Concen: 19.129 ug/l
RT: 4.417 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

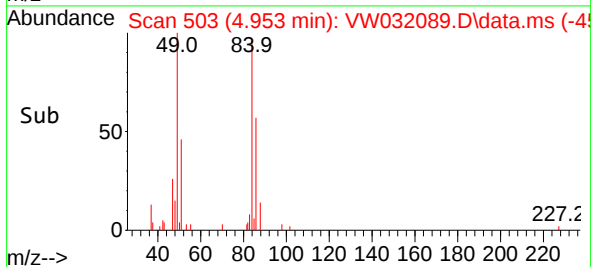
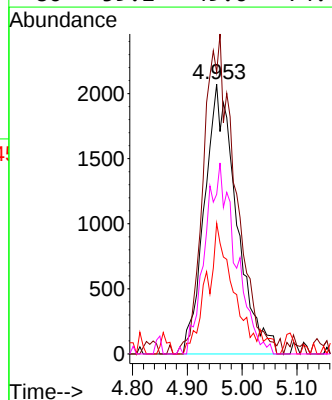
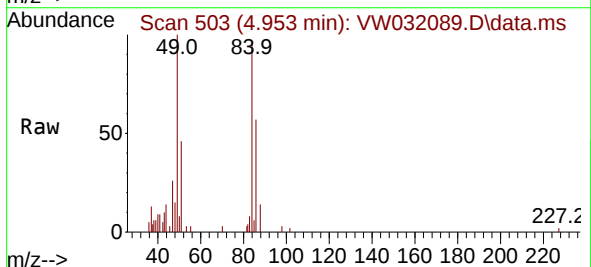
Instrument :
MSVOA_W
ClientSampleId :
518R-N

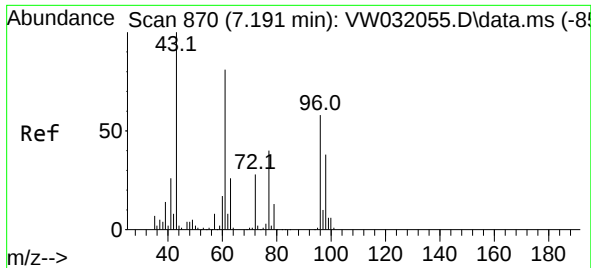
Tgt Ion: 76 Resp: 84838
Ion Ratio Lower Upper
76 100
78 10.7 6.4 9.6#



#20
Methylene Chloride
Concen: 3.986 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 84 Resp: 8408
Ion Ratio Lower Upper
84 100
49 101.8 95.9 143.9
51 48.5 28.6 43.0#
86 59.2 49.6 74.4

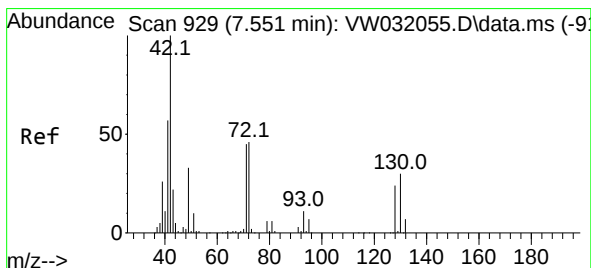
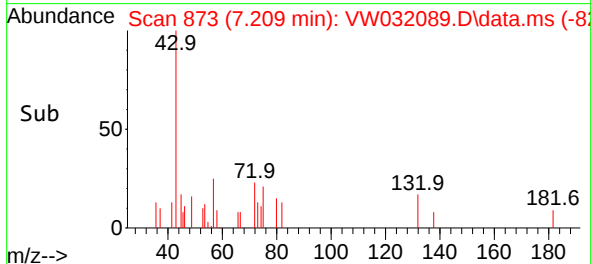
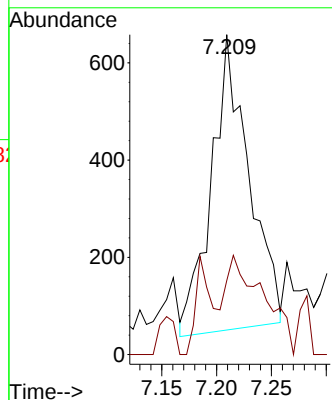
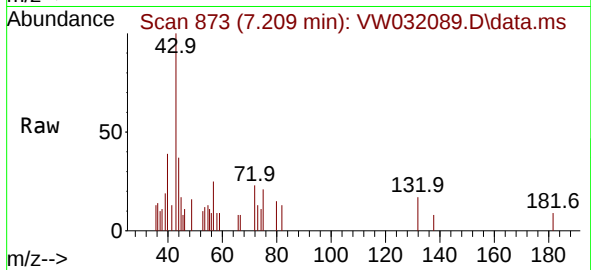




#25
2-Butanone
Concen: 2.225 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

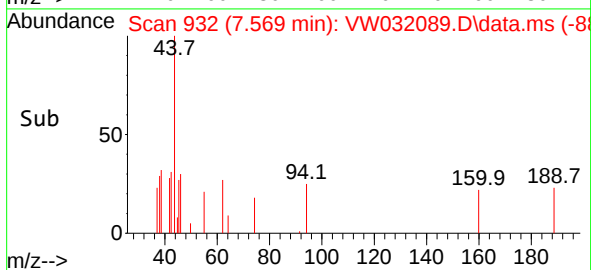
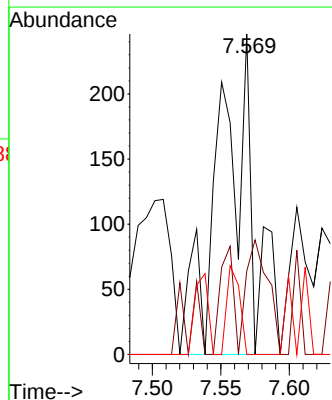
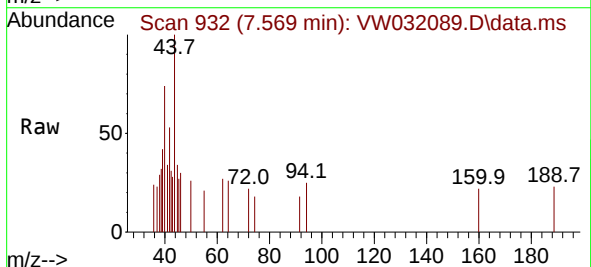
Instrument :
MSVOA_W
ClientSampleId :
518R-N

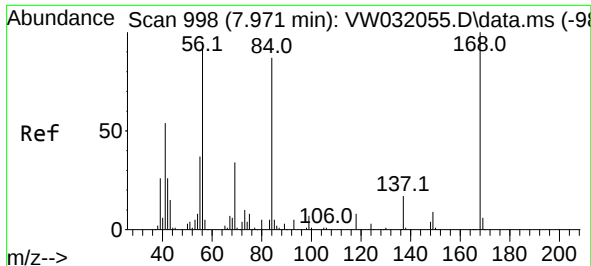
Tgt Ion: 43 Resp: 1443
Ion Ratio Lower Upper
43 100
72 25.7 22.3 33.5



#29
Tetrahydrofuran
Concen: 1.020 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 22.5 36.6 55.0#
71 0.0 34.7 52.1#

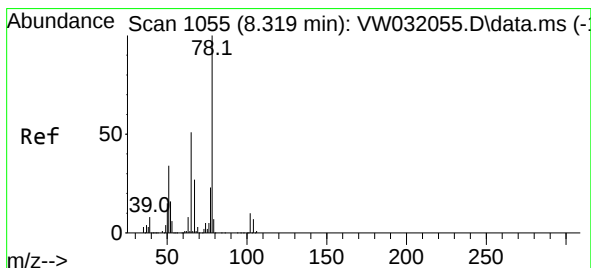
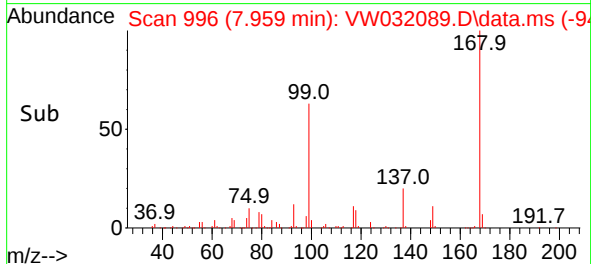
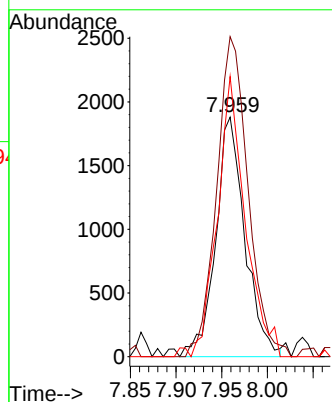
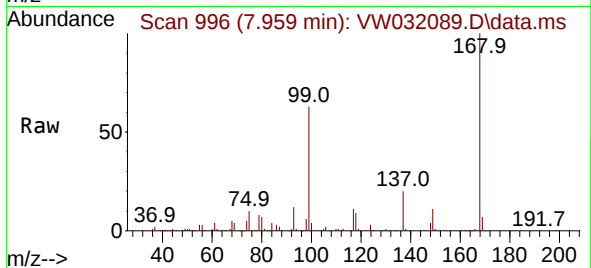




#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

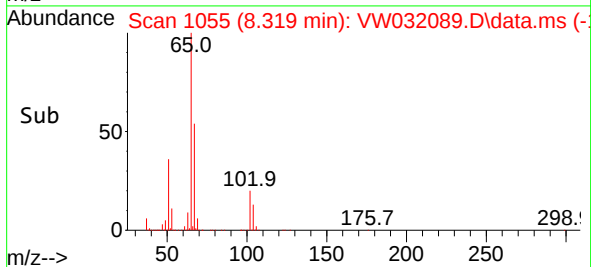
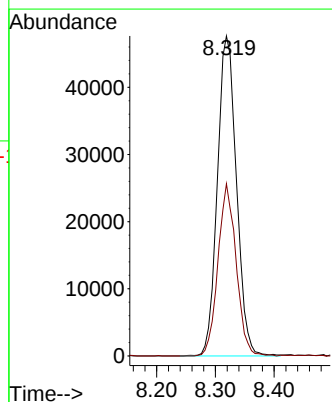
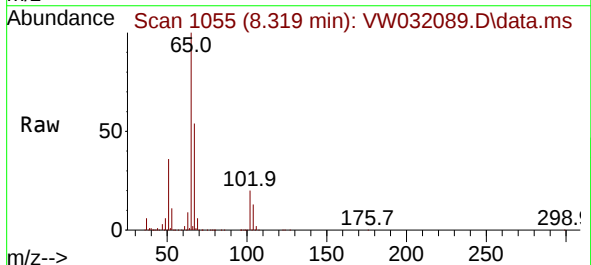
Instrument :
MSVOA_W
ClientSampleId :
518R-N

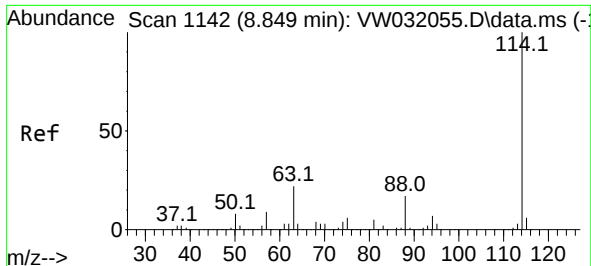
Tgt Ion: 56 Resp: 4183
Ion Ratio Lower Upper
56 100
69 133.6 28.6 42.8#
84 117.0 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 54.460 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion: 65 Resp: 107314
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032089.D

Acq: 14 Aug 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :

518R-N

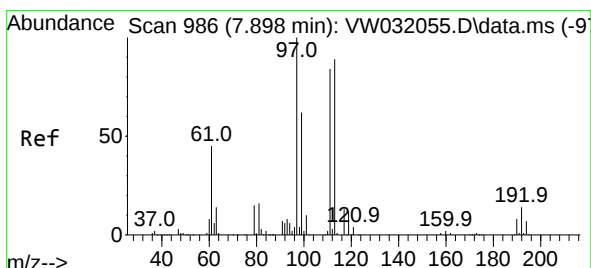
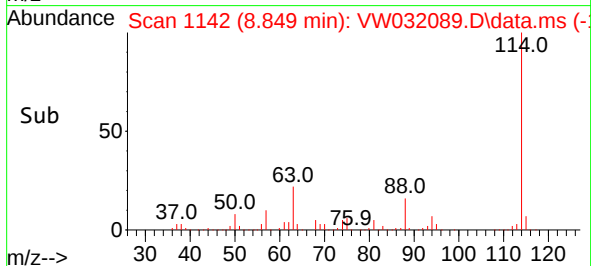
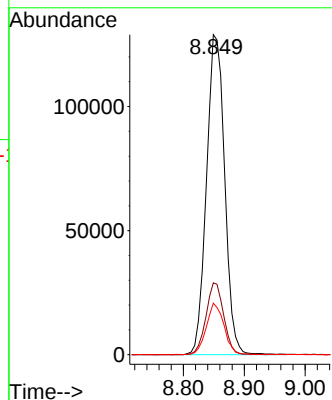
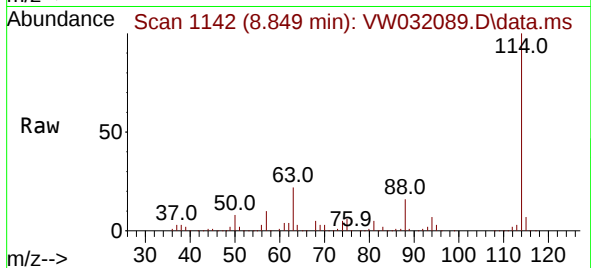
Tgt Ion:114 Resp: 267749

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.0

88 16.1 0.0 33.8



#35

Dibromofluoromethane

Concen: 54.787 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032089.D

Acq: 14 Aug 2025 13:31

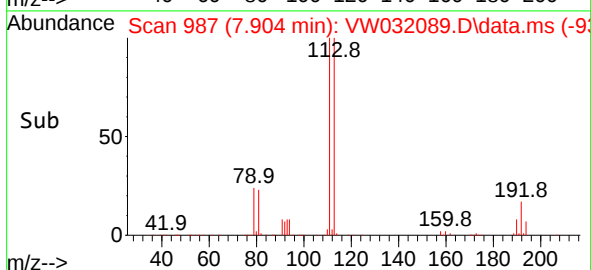
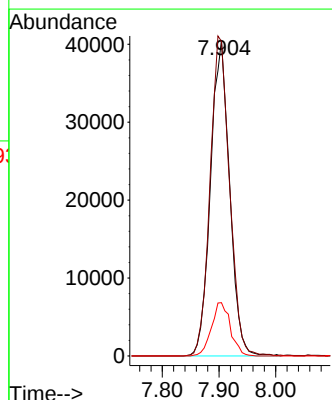
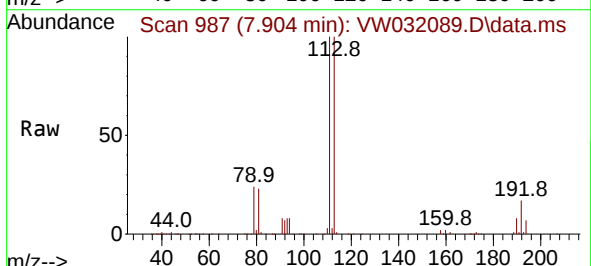
Tgt Ion:113 Resp: 94768

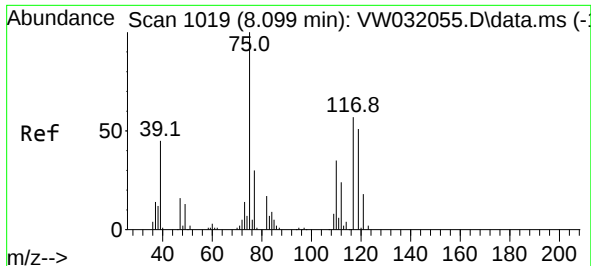
Ion Ratio Lower Upper

113 100

111 103.2 80.1 120.1

192 16.8 13.1 19.7





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032089.D

Acq: 14 Aug 2025 13:31

Instrument :

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518R-N

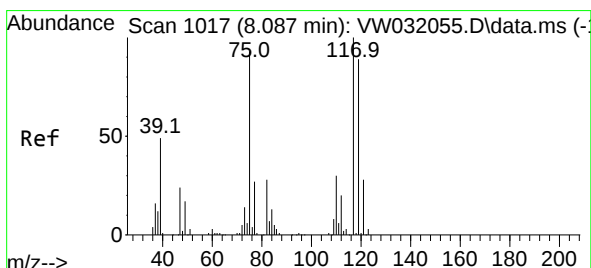
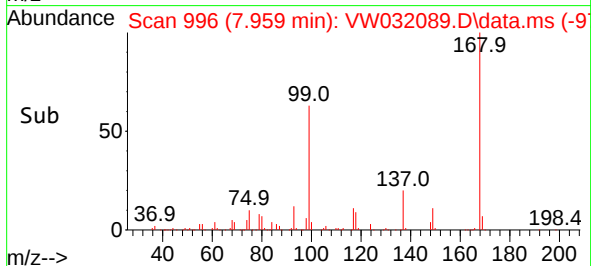
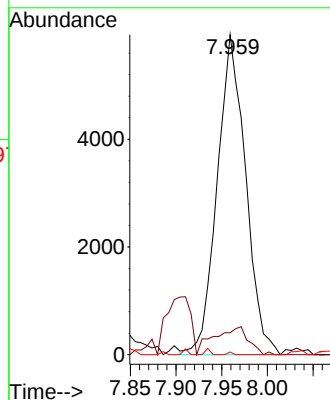
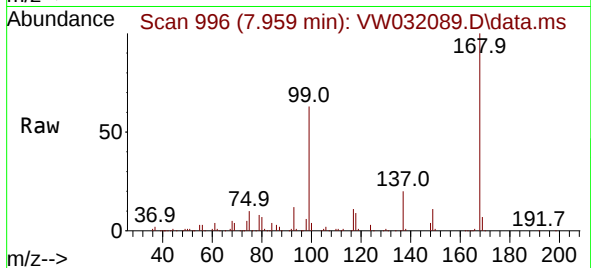
Tgt Ion: 75 Resp: 12850

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.2#

77 0.1 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.599 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032089.D

Acq: 14 Aug 2025 13:31

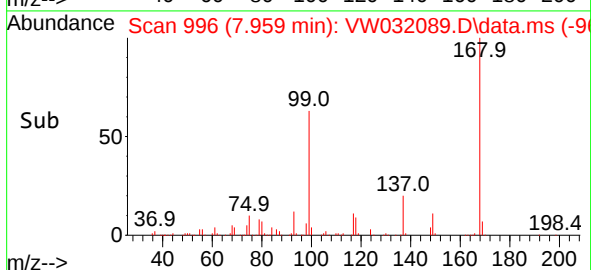
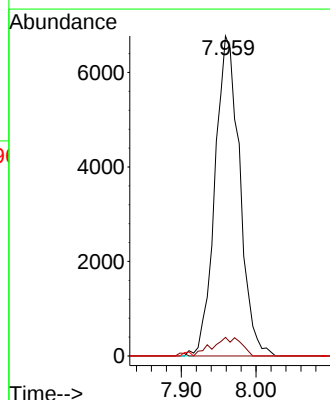
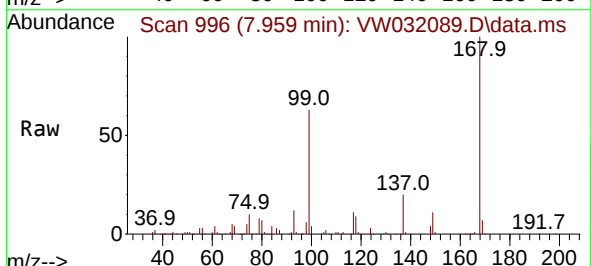
Tgt Ion: 117 Resp: 15528

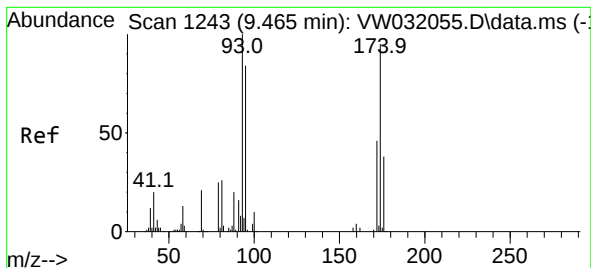
Ion Ratio Lower Upper

117 100

119 5.8 71.4 107.2#

121 0.0 22.3 33.5#





#49

1,4-Dioxane

Concen: 2.029 ug/l

RT: 9.538 min Scan# 11

Delta R.T. 0.073 min

Lab File: VW032089.D

Acq: 14 Aug 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :

518R-N

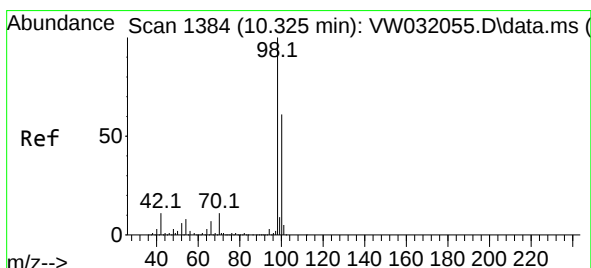
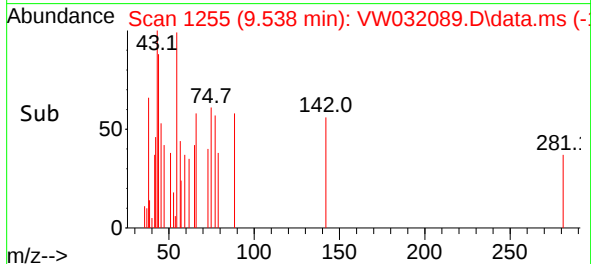
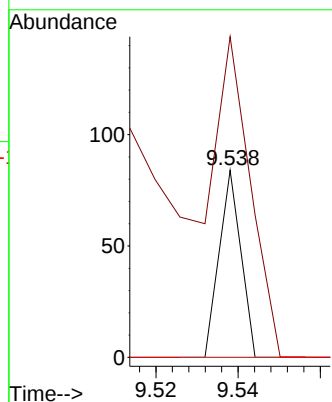
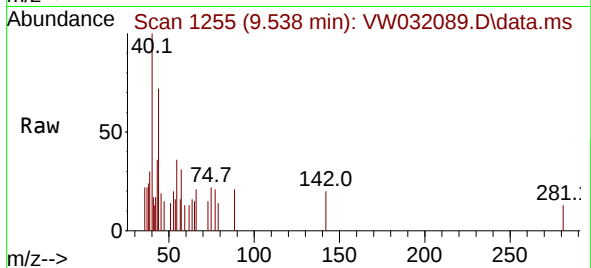
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 245.2 20.6 30.8#

58 0.0 60.4 90.6#



#50

Toluene-d8

Concen: 48.354 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032089.D

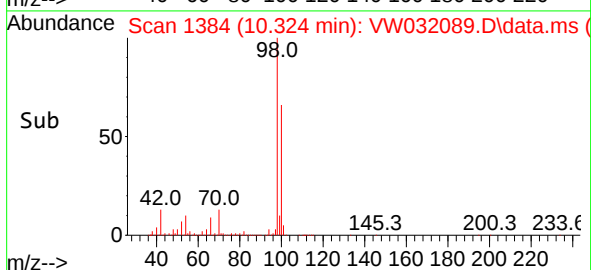
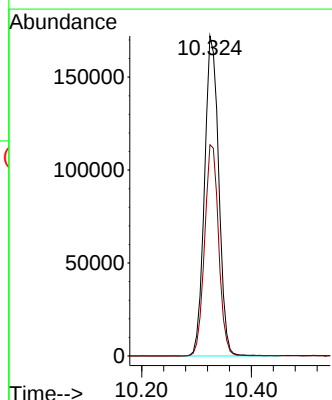
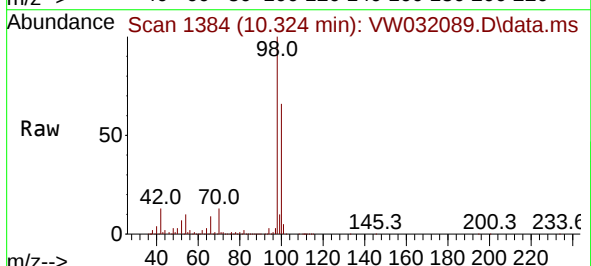
Acq: 14 Aug 2025 13:31

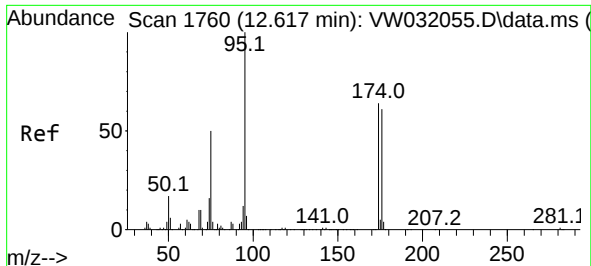
Tgt Ion: 98 Resp: 309363

Ion Ratio Lower Upper

98 100

100 65.2 51.1 76.7

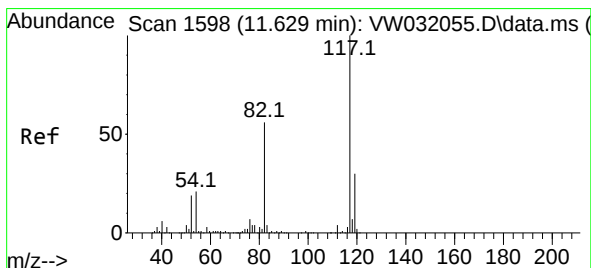
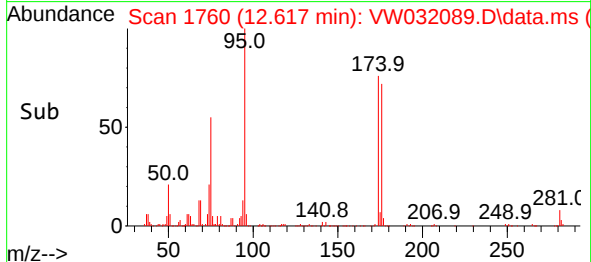
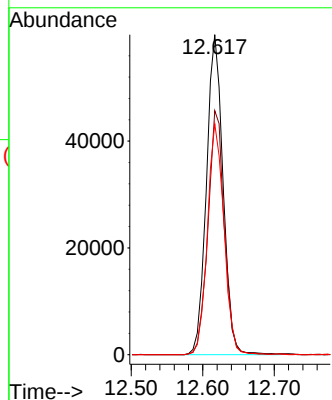
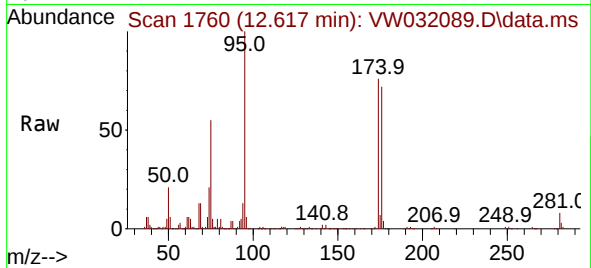




#62
4-Bromofluorobenzene
Concen: 40.992 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

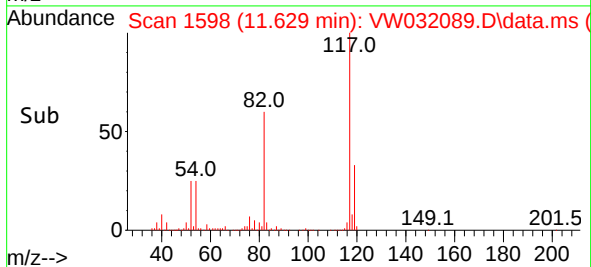
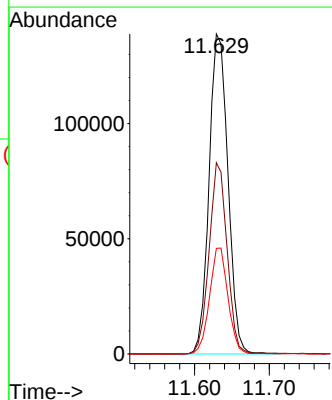
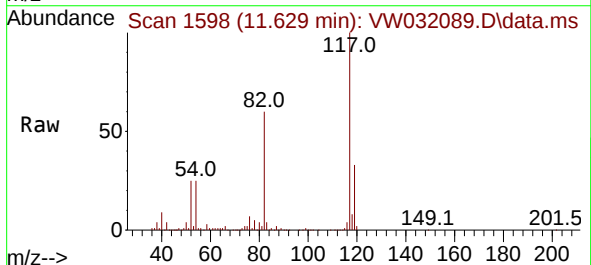
Instrument :
MSVOA_W
ClientSampleId :
518R-N

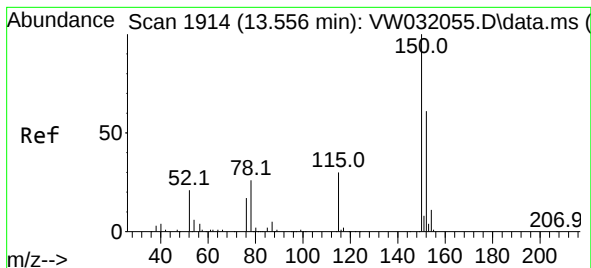
Tgt Ion:	95	Resp:	96648
Ion Ratio	Lower	Upper	
95	100		
174	75.3	0.0	129.0
176	71.9	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Tgt Ion:	117	Resp:	243648
Ion Ratio	Lower	Upper	
117	100		
82	59.7	45.0	67.4
119	33.0	24.2	36.4

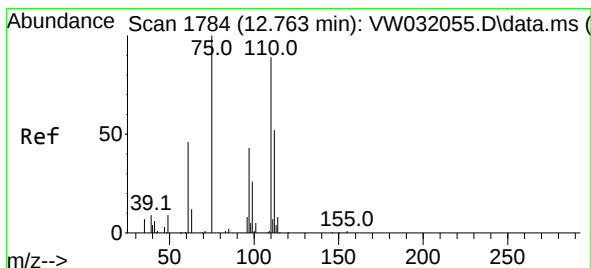
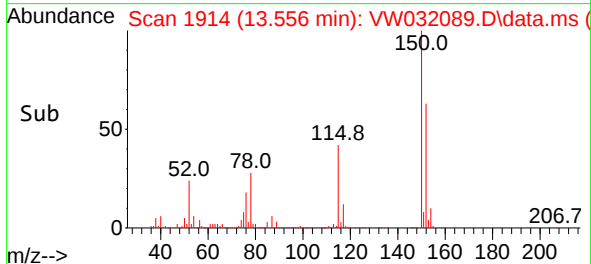
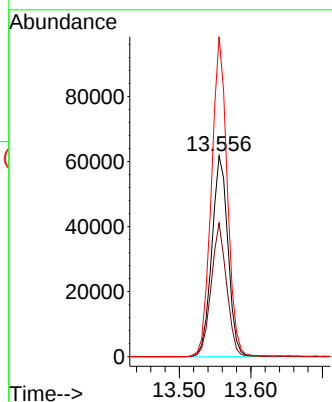
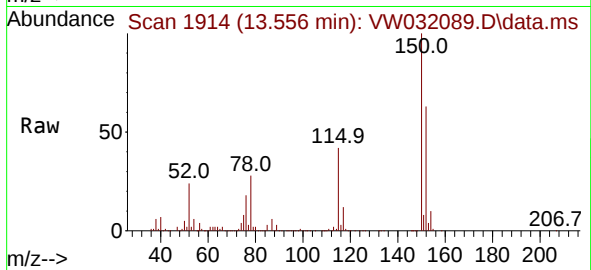




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032089.D
 Acq: 14 Aug 2025 13:31

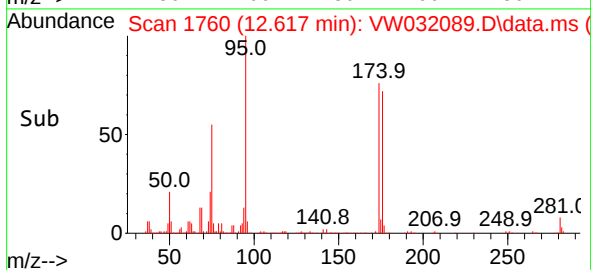
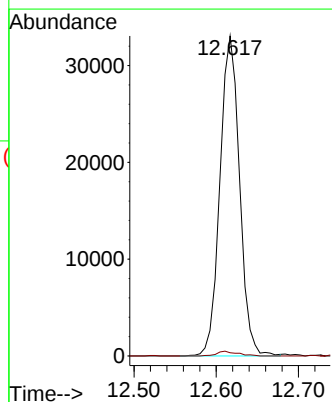
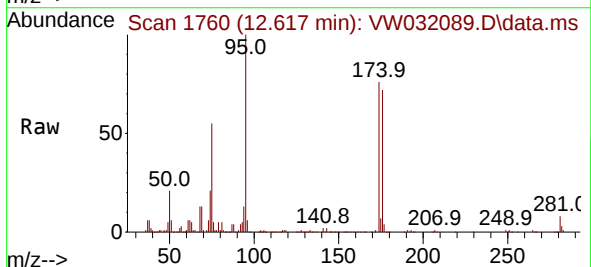
Instrument :
 MSVOA_W
 ClientSampleId :
 518R-N

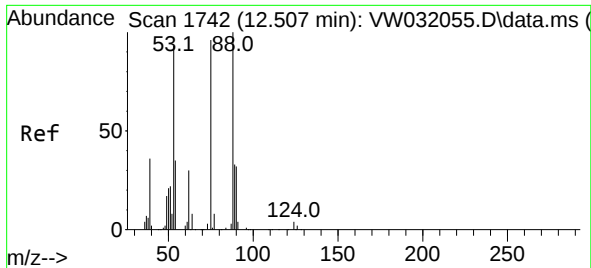
Tgt Ion:152 Resp: 97060
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.6 97.8
 150 155.7 0.0 359.4



#76
 1,2,3-Trichloropropane
 Concen: 41.697 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.147 min
 Lab File: VW032089.D
 Acq: 14 Aug 2025 13:31

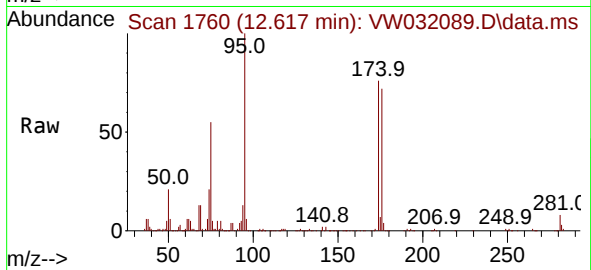
Tgt Ion: 75 Resp: 54929
 Ion Ratio Lower Upper
 75 100
 77 1.6 123.5 370.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.950 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW032089.D
Acq: 14 Aug 2025 13:31

Instrument :
MSVOA_W
ClientSampleId :
518R-N



Tgt Ion:	75	Resp:	54929
Ion	Ratio	Lower	Upper
75	100		
53	0.2	81.0	121.6#
89	0.2	37.3	55.9#

