

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032186.D
 Acq On : 17 Sep 2025 13:53
 Operator : SY/MD
 Sample : Q3118-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 04:34:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

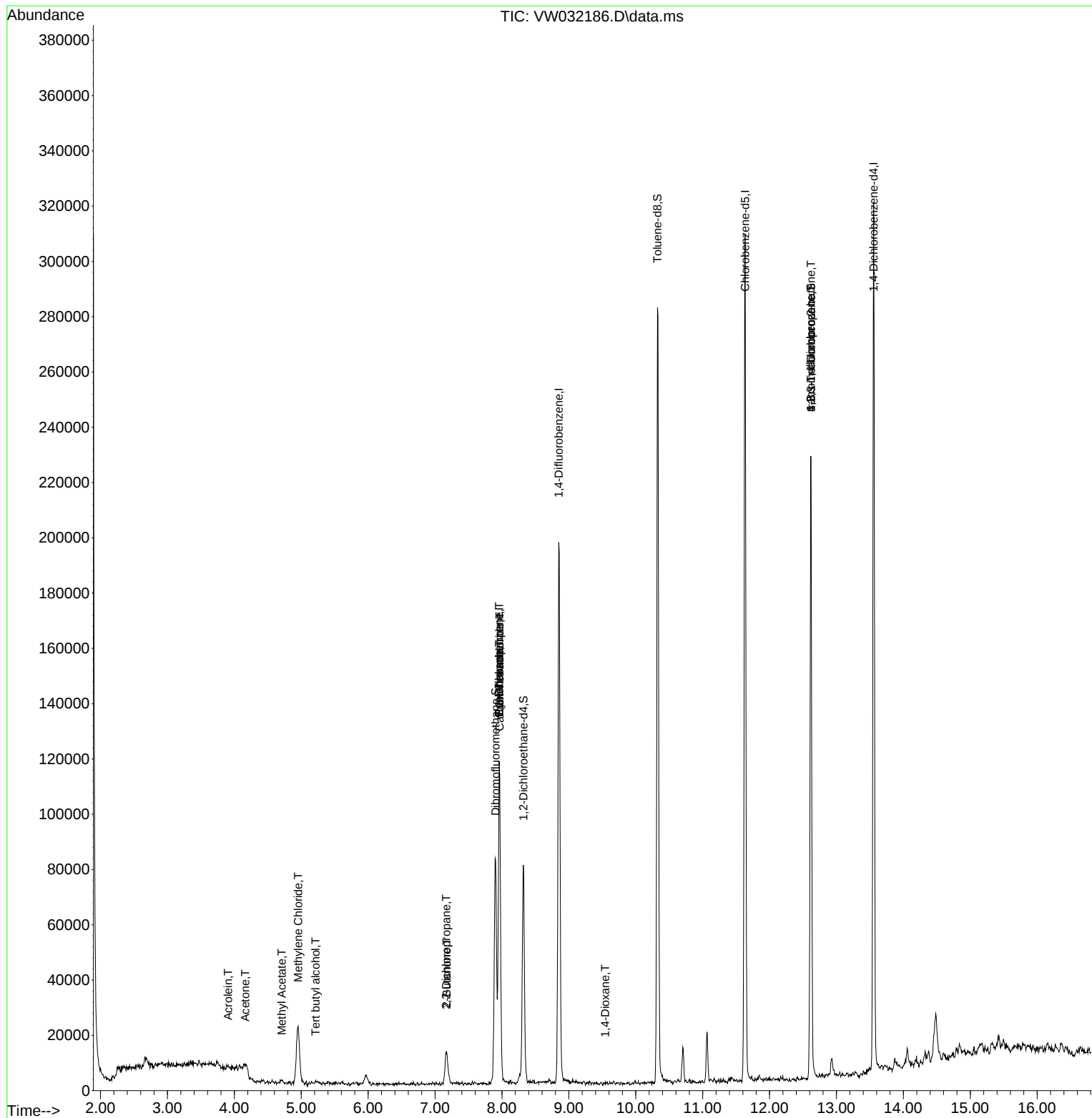
Internal Standards						
1) Pentafluorobenzene	7.959	168	78333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	162777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	160288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	76255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	64816	57.858	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 115.720%	
35) Dibromofluoromethane	7.904	113	58448	51.179	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.360%	
50) Toluene-d8	10.325	98	186802	46.595	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 93.180%	
62) 4-Bromofluorobenzene	12.617	95	70496	47.552	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 95.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	289	4.218	ug/l #	49
13) Acrolein	3.905	56	447	4.244	ug/l #	67
16) Acetone	4.161	43	2986	12.307	ug/l #	85
18) Methyl Acetate	4.710	43	1329	1.719	ug/l	98
20) Methylene Chloride	4.954	84	17054	14.148	ug/l	89
25) 2-Butanone	7.173	43	381	1.108	ug/l	97
26) 2,2-Dichloropropane	7.167	77	928	1.046	ug/l #	52
31) Cyclohexane	7.959	56	2607	1.896	ug/l #	39
36) 1,1-Dichloropropene	7.959	75	7487	5.056	ug/l #	51
38) Carbon Tetrachloride	7.965	117	9369	5.902	ug/l #	18
49) 1,4-Dioxane	9.544	88	22	2.353	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	40106	41.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	40106	113.034	ug/l #	5

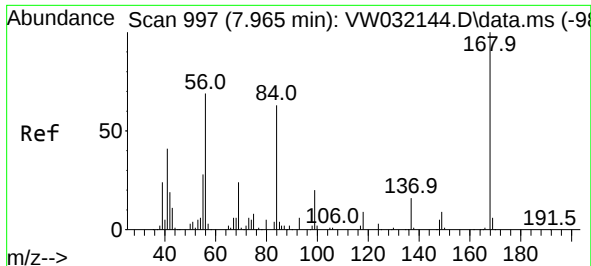
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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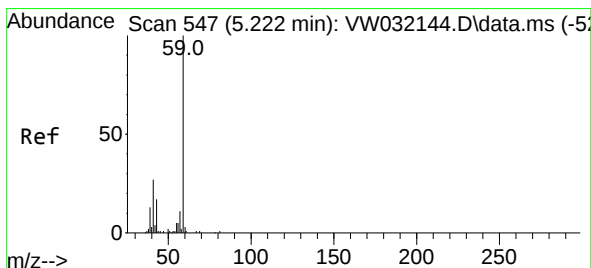
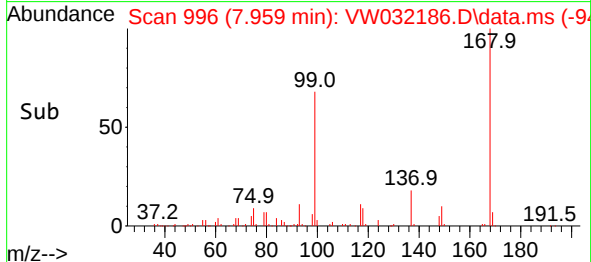
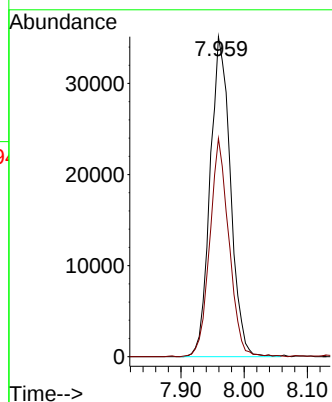
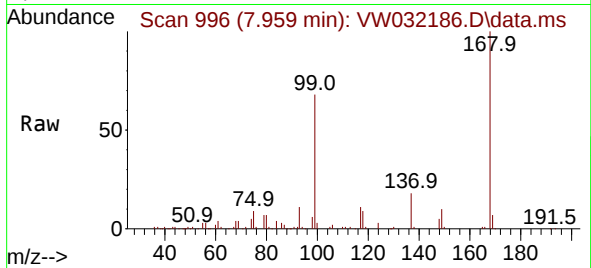




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

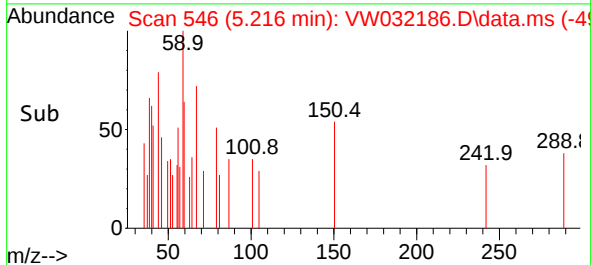
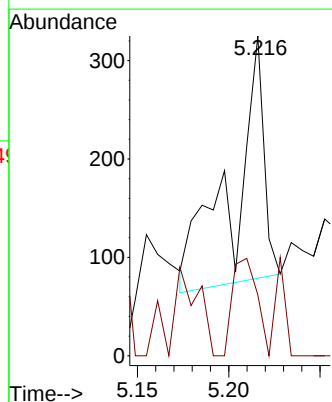
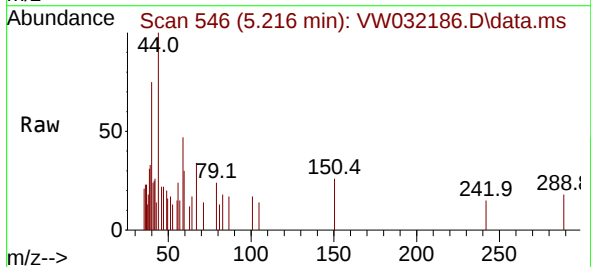
Instrument :
MSVOA_W
ClientSampleId :

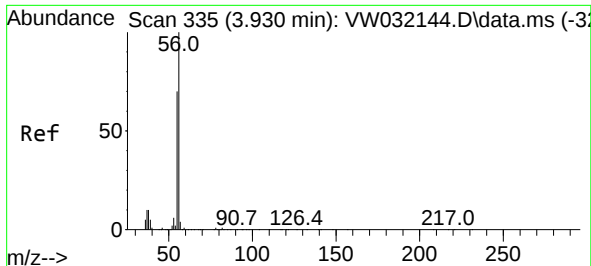
Tgt Ion:168 Resp: 78333
Ion Ratio Lower Upper
168 100
99 68.2 49.3 73.9



#11
Tert butyl alcohol
Concen: 4.218 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 32.2 9.8 14.6#

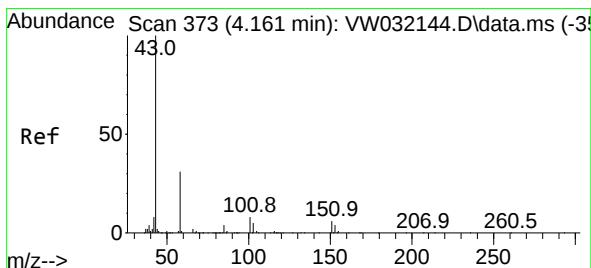
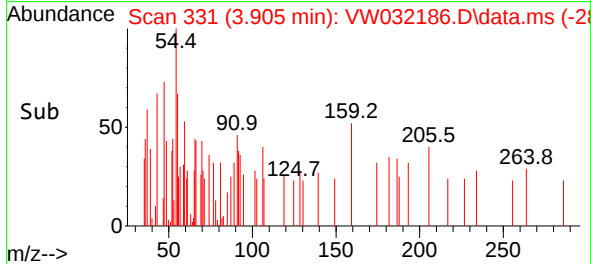
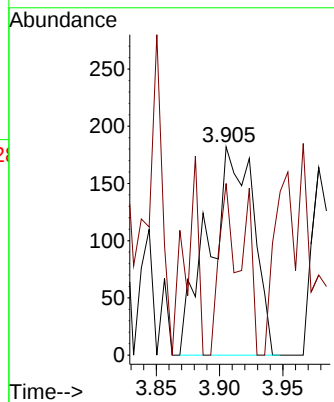
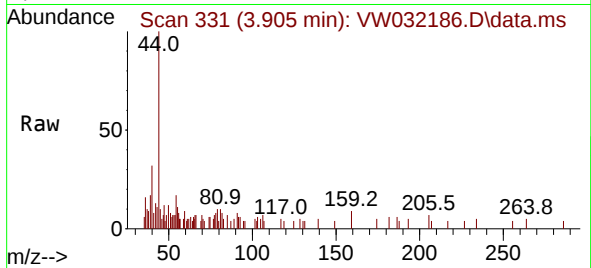




#13
Acrolein
Concen: 4.244 ug/l
RT: 3.905 min Scan# 331
Delta R.T. -0.024 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

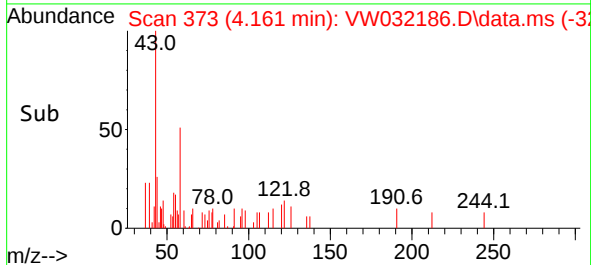
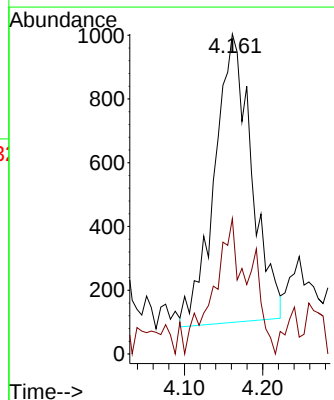
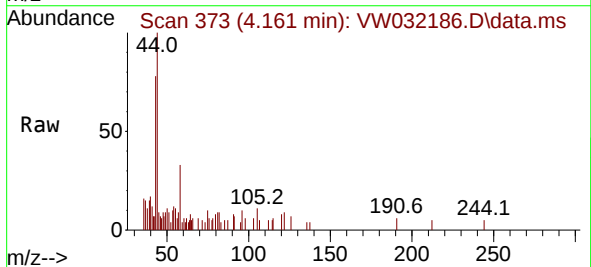
Instrument :
MSVOA_W
ClientSampleId :

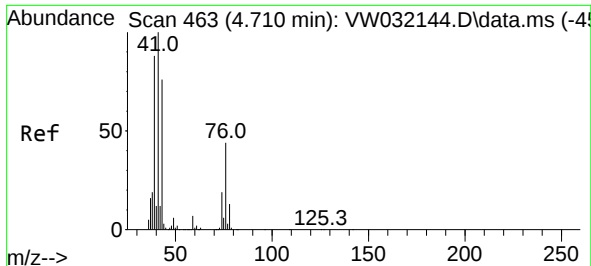
Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 43.6 56.4 84.6#



#16
Acetone
Concen: 12.307 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Tgt Ion: 43 Resp: 2986
Ion Ratio Lower Upper
43 100
58 39.7 25.3 37.9#

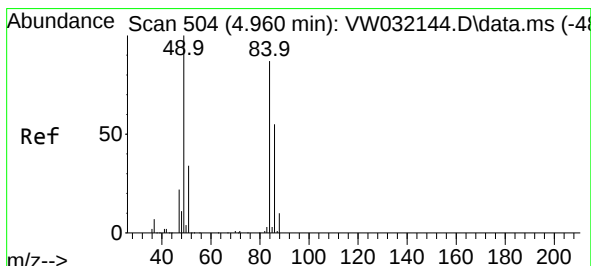
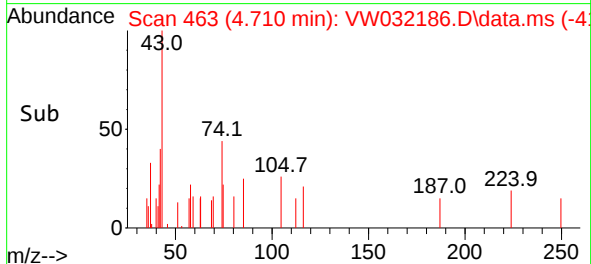
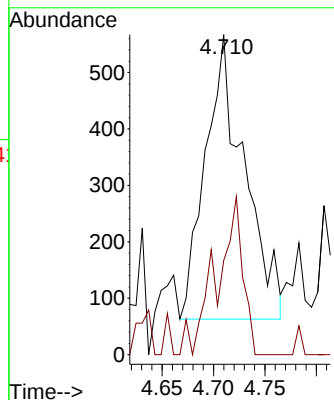
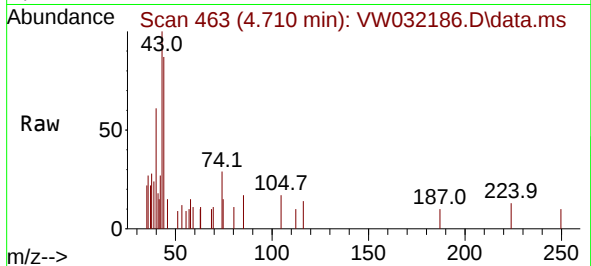




#18
Methyl Acetate
Concen: 1.719 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

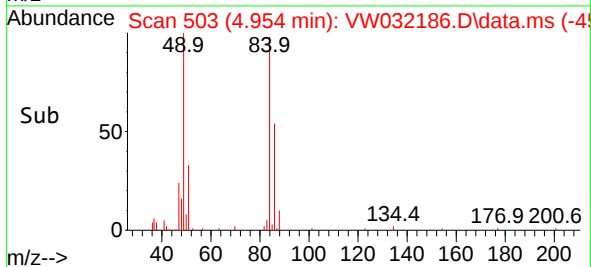
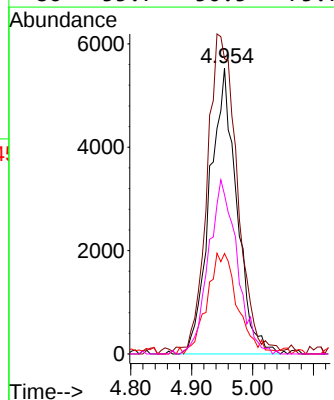
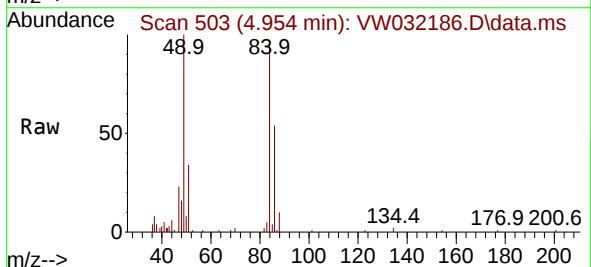
Instrument :
MSVOA_W
ClientSampleId :

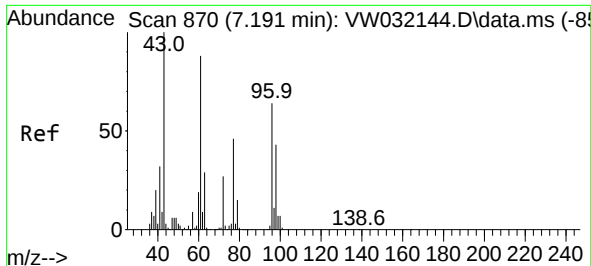
Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
74 24.1 20.2 30.4



#20
Methylene Chloride
Concen: 14.148 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Tgt Ion: 84 Resp: 17054
Ion Ratio Lower Upper
84 100
49 102.0 92.2 138.4
51 33.8 31.0 46.6
86 55.7 50.5 75.7

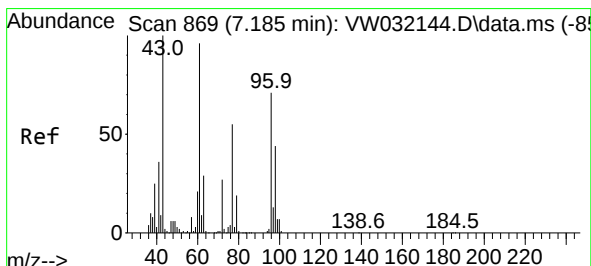
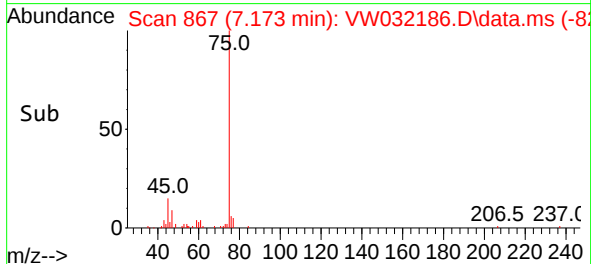
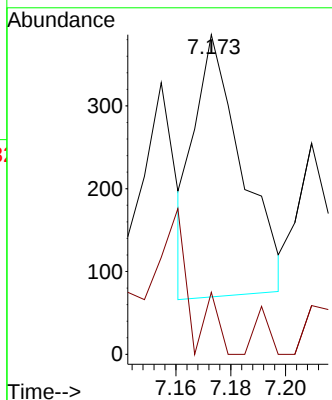
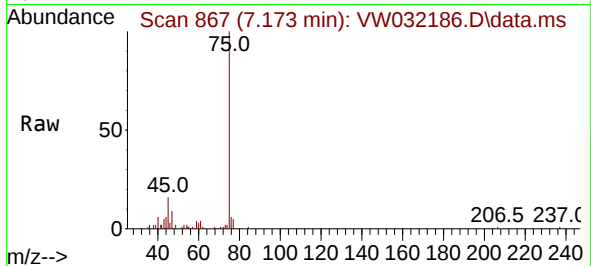




#25
2-Butanone
Concen: 1.108 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

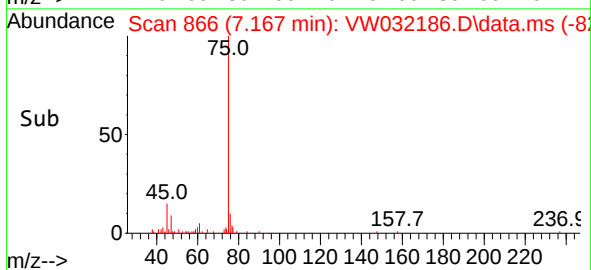
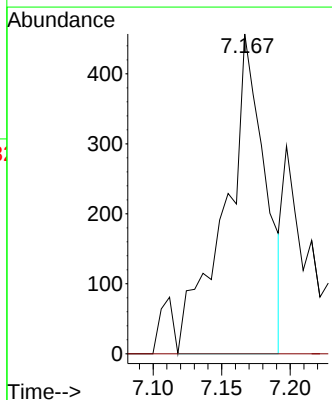
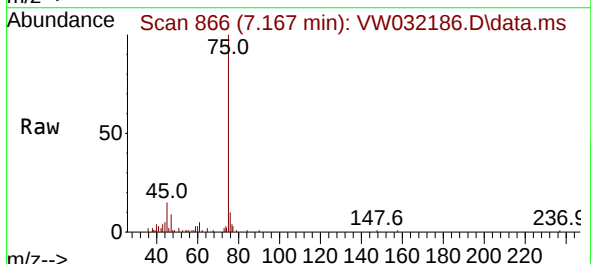
Instrument :
MSVOA_W
ClientSampleId :

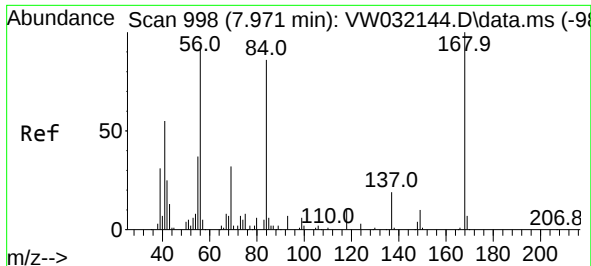
Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
72 28.2 21.4 32.2



#26
2,2-Dichloropropane
Concen: 1.046 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

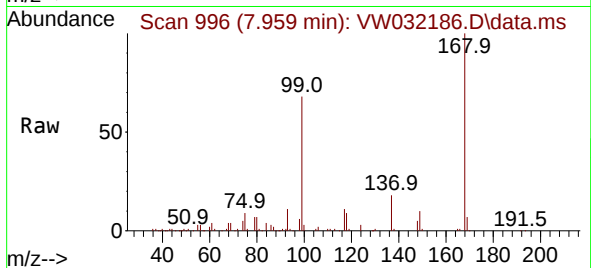
Tgt Ion: 77 Resp: 928
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



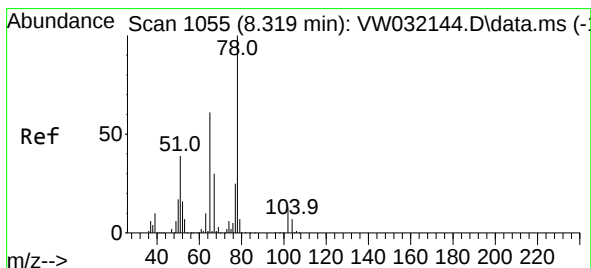
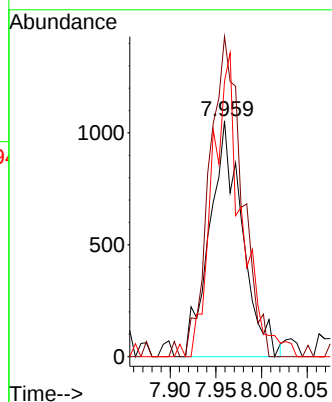
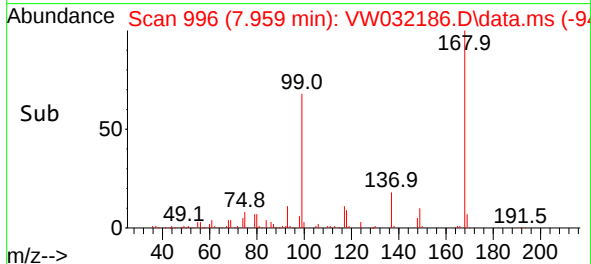


#31
Cyclohexane
Concen: 1.896 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Instrument :
MSVOA_W
ClientSampleId :

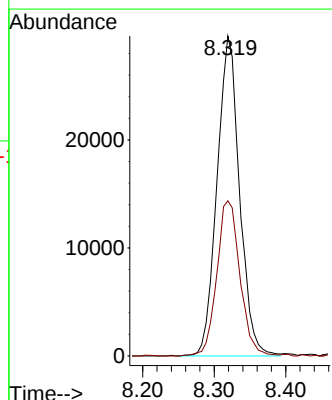
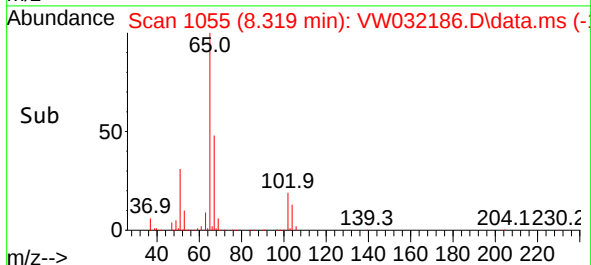
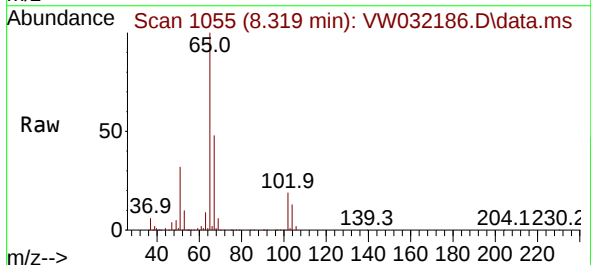


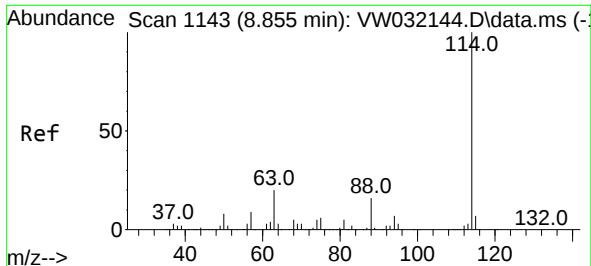
Tgt Ion: 56 Resp: 2607
Ion Ratio Lower Upper
56 100
69 135.7 27.7 41.5#
84 111.5 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 57.858 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Tgt Ion: 65 Resp: 64816
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

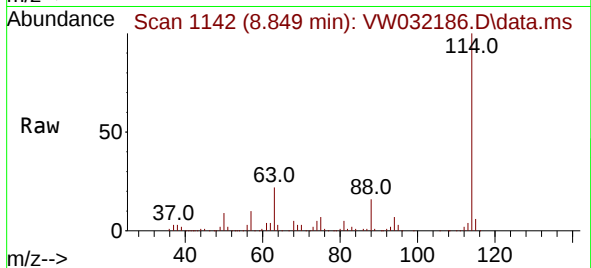
Lab File: VW032186.D

Acq: 17 Sep 2025 13:53

Instrument :

MSVOA_W

ClientSampleId :



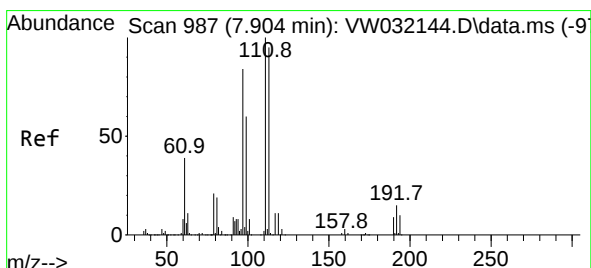
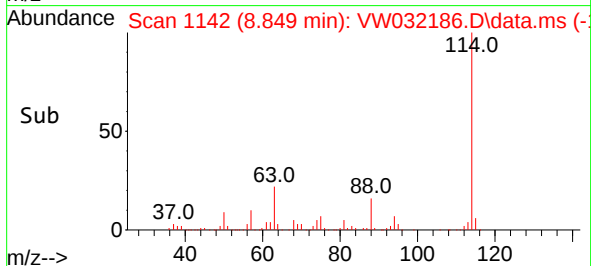
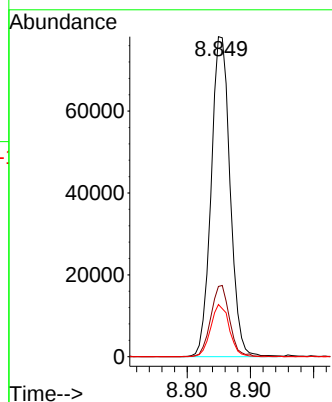
Tgt Ion:114 Resp: 162777

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.4

88 16.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.179 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032186.D

Acq: 17 Sep 2025 13:53

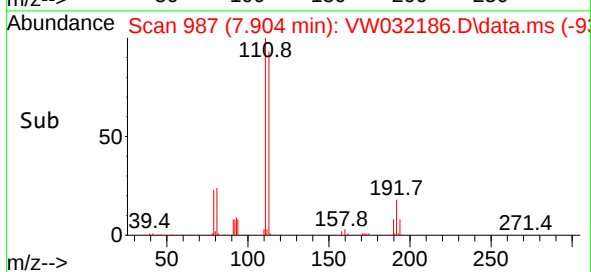
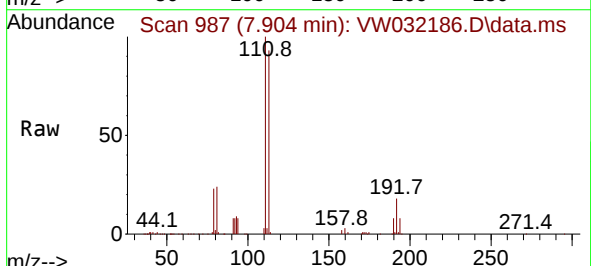
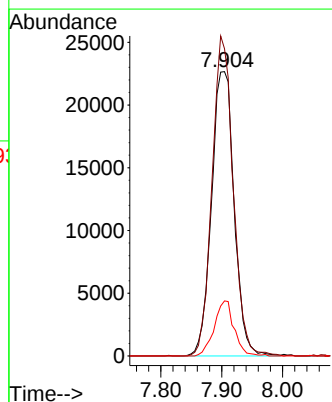
Tgt Ion:113 Resp: 58448

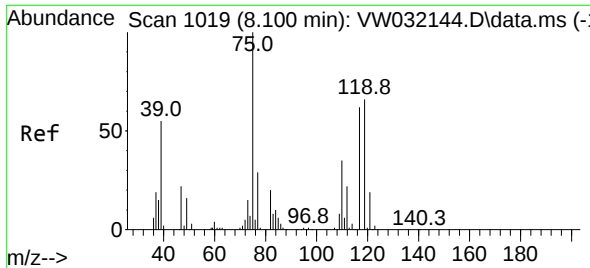
Ion Ratio Lower Upper

113 100

111 104.9 83.9 125.9

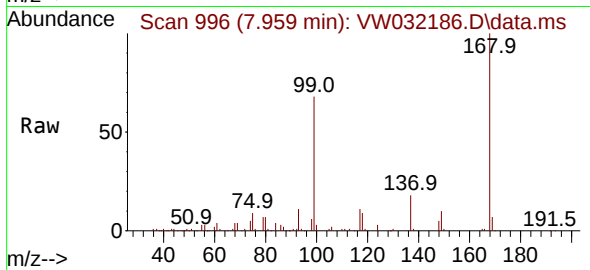
192 17.0 14.6 21.8



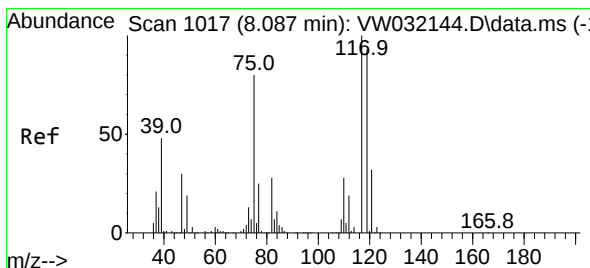
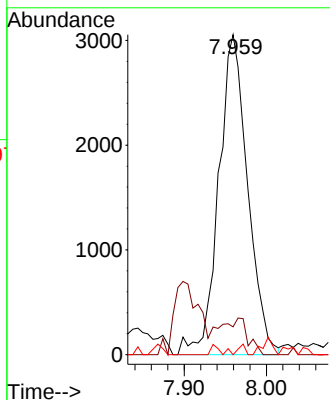
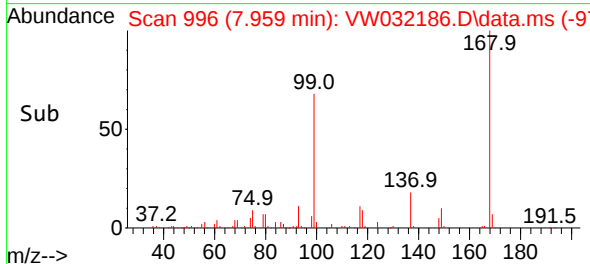


#36
 1,1-Dichloropropene
 Concen: 5.056 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032186.D
 Acq: 17 Sep 2025 13:53

Instrument :
 MSVOA_W
 ClientSampleId :

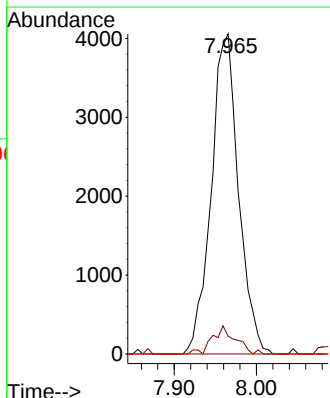
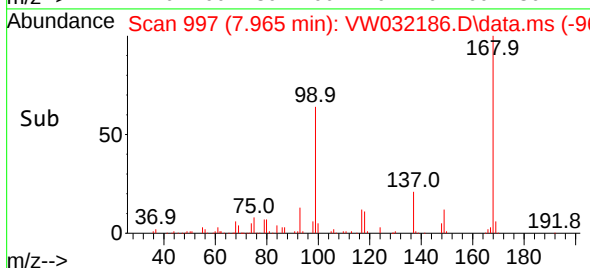
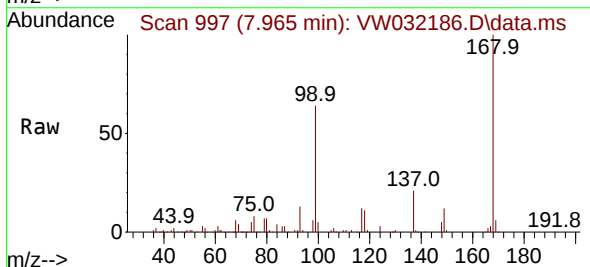


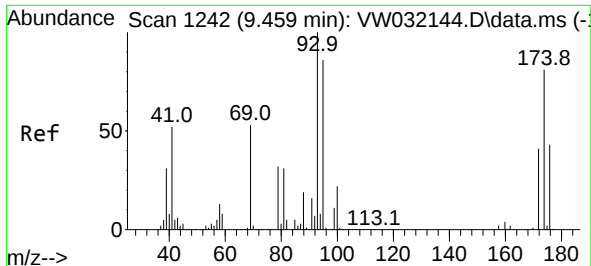
Tgt Ion: 75 Resp: 7487
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.5 52.5#
 77 0.7 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.902 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.122 min
 Lab File: VW032186.D
 Acq: 17 Sep 2025 13:53

Tgt Ion: 117 Resp: 9369
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.2 111.2#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.353 ug/l

RT: 9.544 min Scan# 1256

Delta R.T. 0.085 min

Lab File: VW032186.D

Acq: 17 Sep 2025 13:53

Instrument :

MSVOA_W

ClientSampleId :

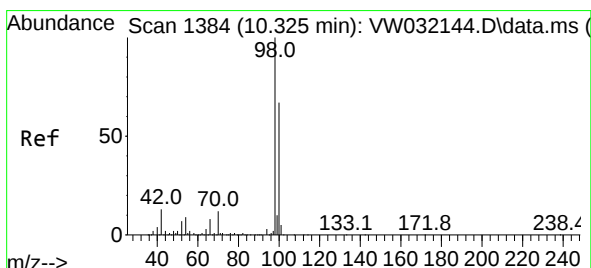
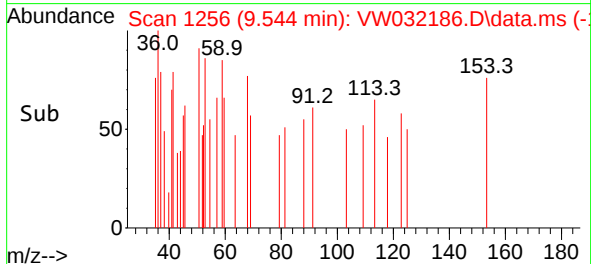
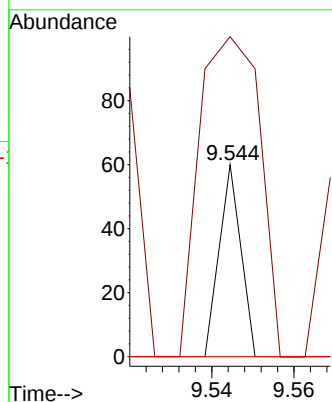
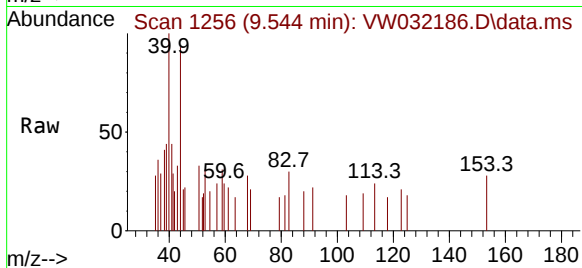
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 463.6 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 46.595 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032186.D

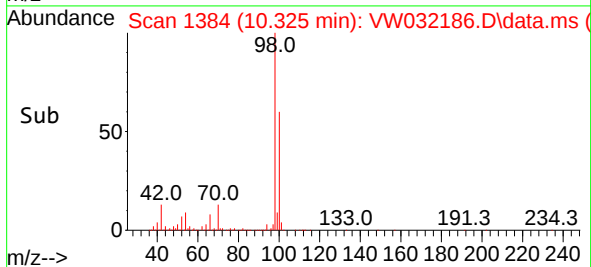
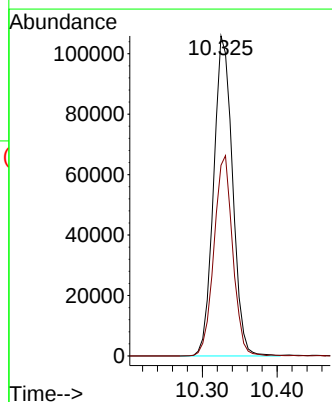
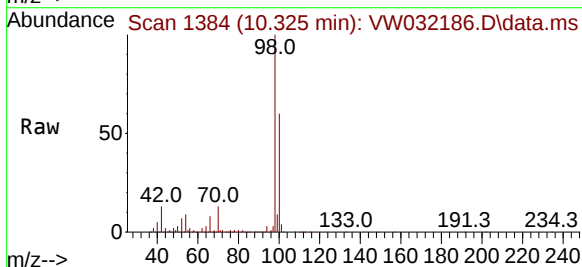
Acq: 17 Sep 2025 13:53

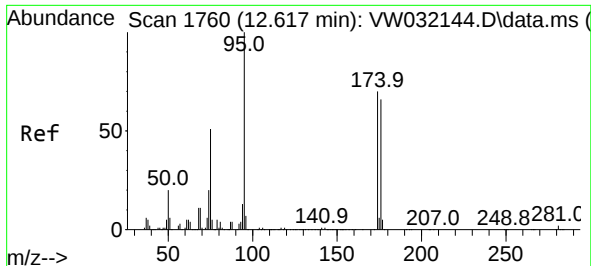
Tgt Ion: 98 Resp: 186802

Ion Ratio Lower Upper

98 100

100 61.8 51.4 77.2

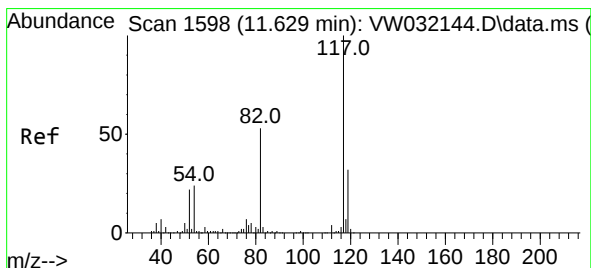
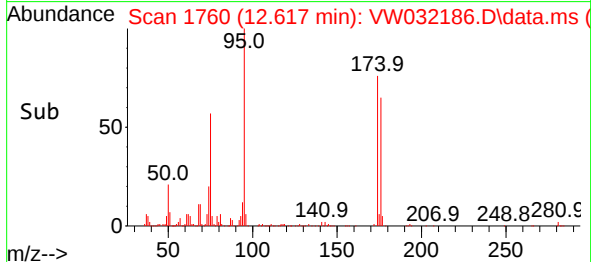
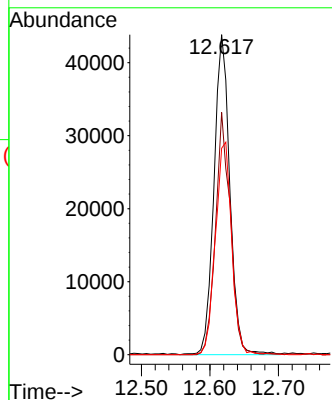
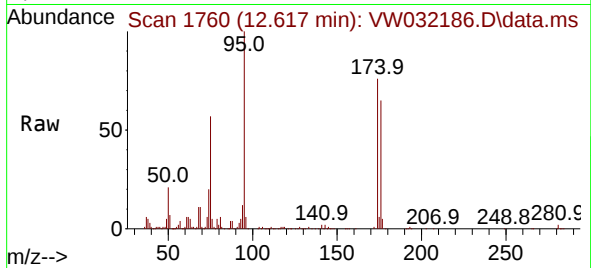




#62
4-Bromofluorobenzene
Concen: 47.552 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

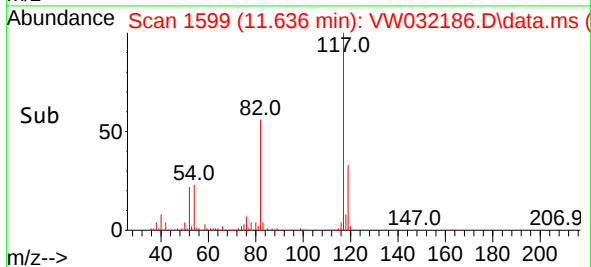
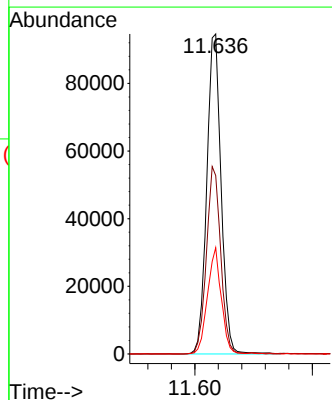
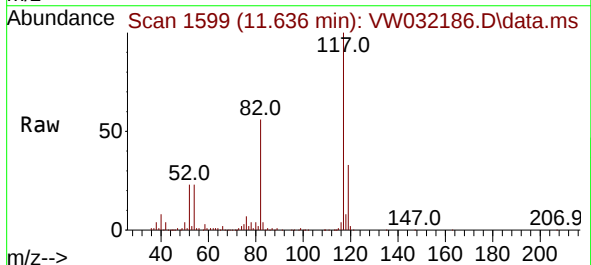
Instrument :
MSVOA_W
ClientSampleId :

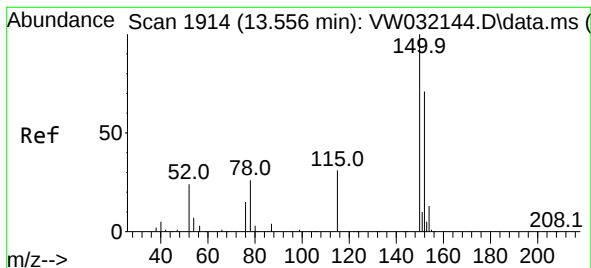
Tgt Ion: 95 Resp: 70496
Ion Ratio Lower Upper
95 100
174 70.6 0.0 145.6
176 68.4 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

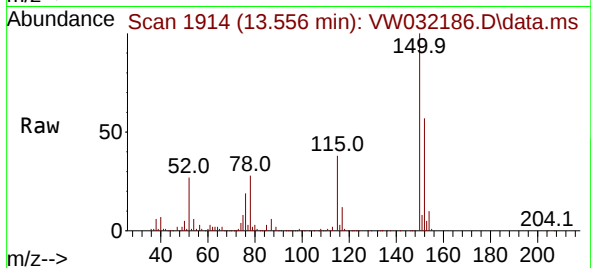
Tgt Ion: 117 Resp: 160288
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 33.2 25.2 37.8



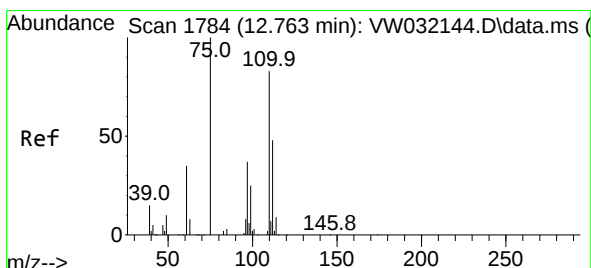
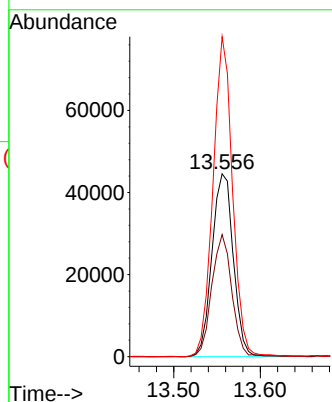
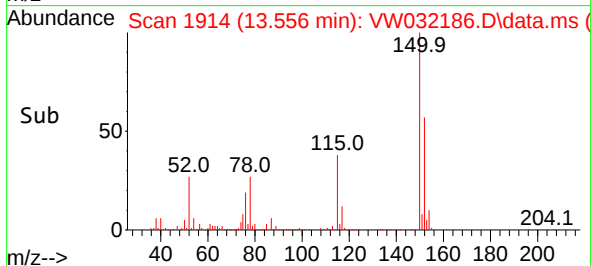


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

Instrument :
MSVOA_W
ClientSampleId :

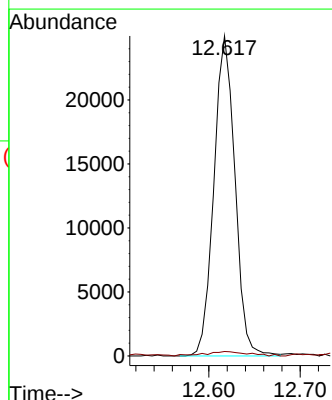
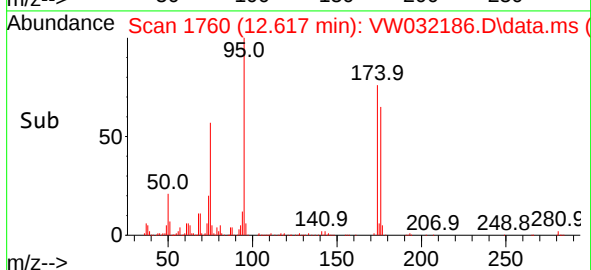
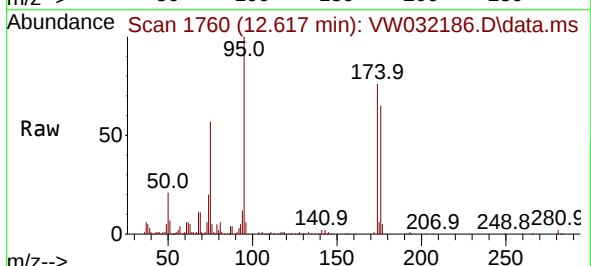


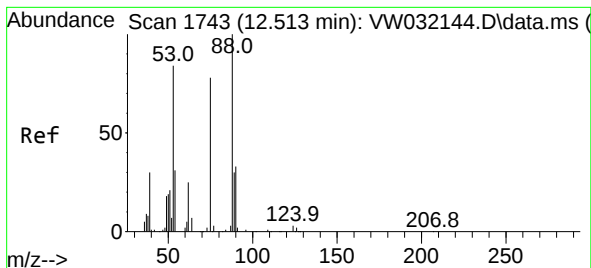
Tgt Ion:152 Resp: 76255
Ion Ratio Lower Upper
152 100
115 62.9 31.8 95.4
150 160.5 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 41.982 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032186.D
Acq: 17 Sep 2025 13:53

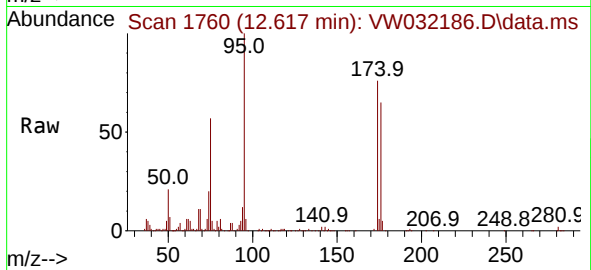
Tgt Ion: 75 Resp: 40106
Ion Ratio Lower Upper
75 100
77 2.9 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.034 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032186.D
 Acq: 17 Sep 2025 13:53

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	91.0	136.6#
89	0.1	39.4	59.2#

