

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032189.D
 Acq On : 17 Sep 2025 14:59
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 04:35:51 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)

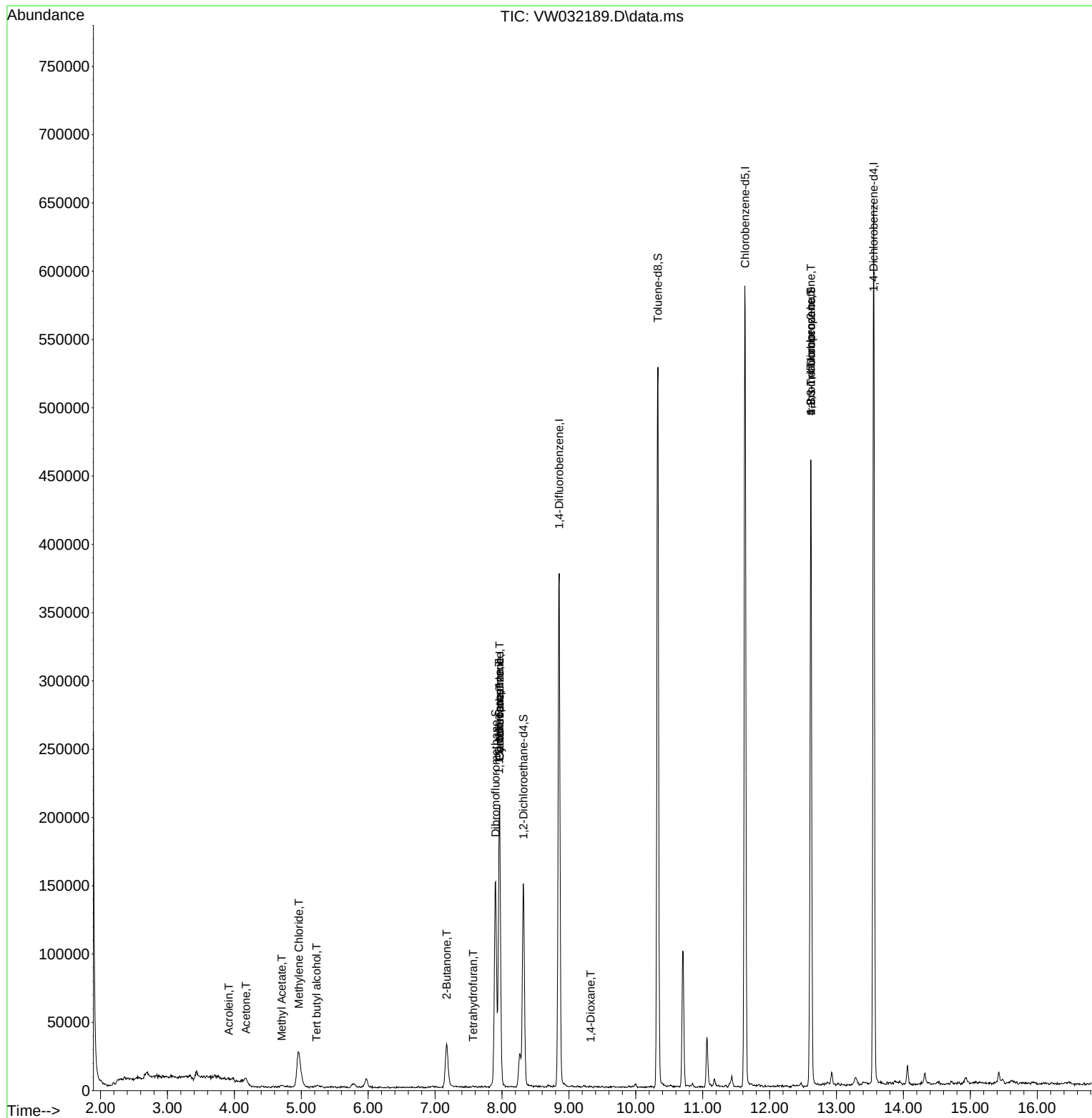
Internal Standards						
1) Pentafluorobenzene	7.965	168	136807	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	304859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	312075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121588	62.145	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	124.300%	
35) Dibromofluoromethane	7.904	113	103556	48.416	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	96.840%	
50) Toluene-d8	10.331	98	347922	46.337	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.680%	
62) 4-Bromofluorobenzene	12.617	95	139145	50.115	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	100.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	681	5.690	ug/l #	80
13) Acrolein	3.917	56	194	1.055	ug/l #	33
16) Acetone	4.173	43	2703	6.379	ug/l #	68
18) Methyl Acetate	4.710	43	2548	1.887	ug/l	95
20) Methylene Chloride	4.966	84	25514	11.542	ug/l	98
25) 2-Butanone	7.173	43	2362	3.934	ug/l #	81
29) Tetrahydrofuran	7.569	42	458	1.200	ug/l #	44
31) Cyclohexane	7.965	56	4200	1.749	ug/l #	52
36) 1,1-Dichloropropene	7.959	75	13128	4.734	ug/l #	51
38) Carbon Tetrachloride	7.965	117	17046	5.734	ug/l #	17
49) 1,4-Dioxane	9.325	88	26	1.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	79497	41.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	79497	112.778	ug/l #	5

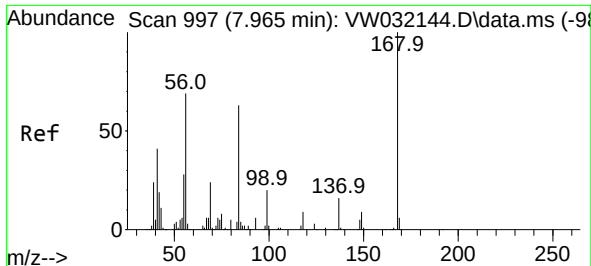
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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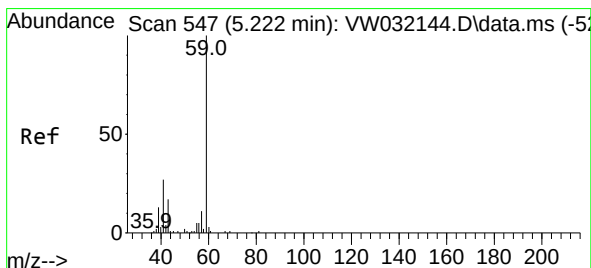
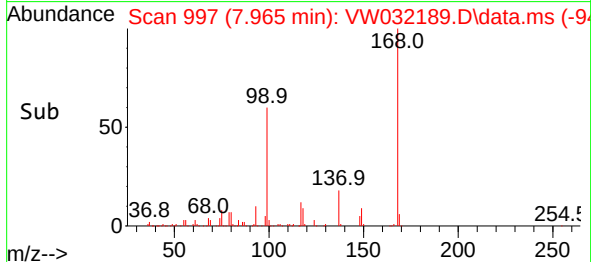
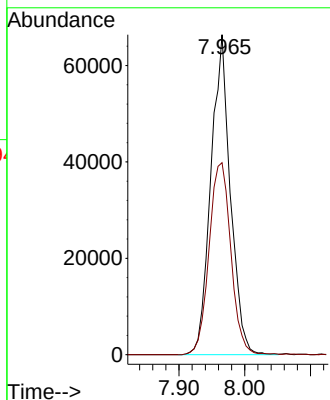
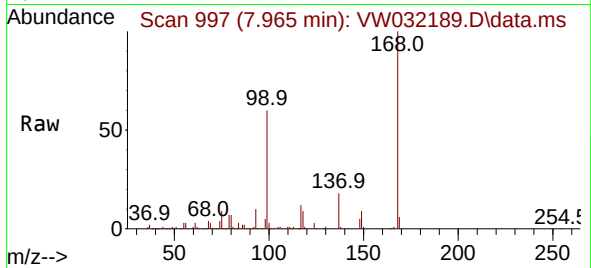




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

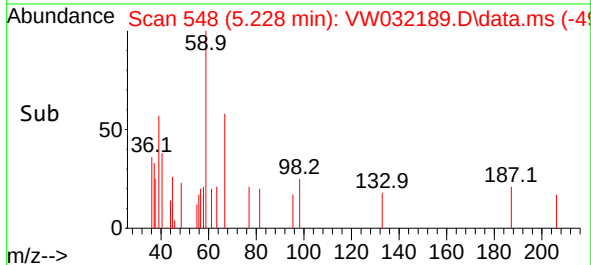
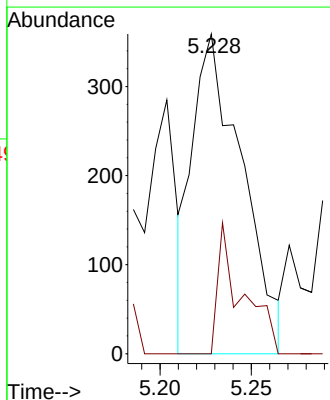
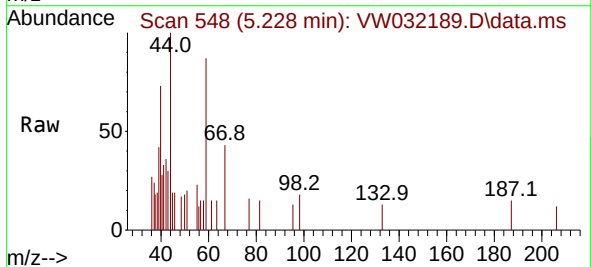
Instrument :
MSVOA_W
ClientSampleId :

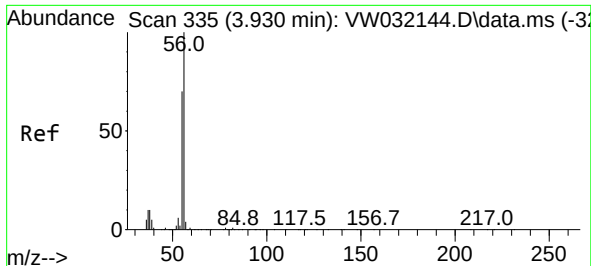
Tgt Ion:168 Resp: 136807
Ion Ratio Lower Upper
168 100
99 60.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 5.690 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

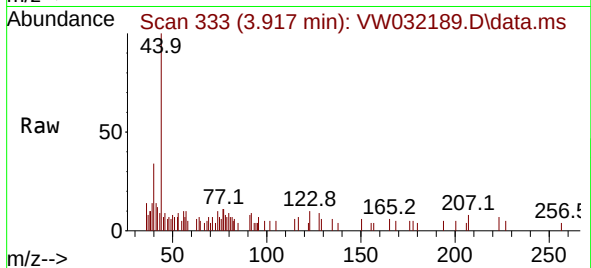
Tgt Ion: 59 Resp: 681
Ion Ratio Lower Upper
59 100
57 20.0 9.8 14.6#



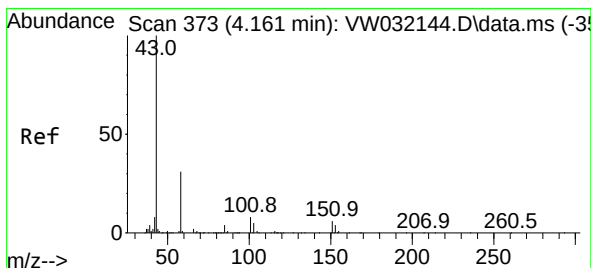
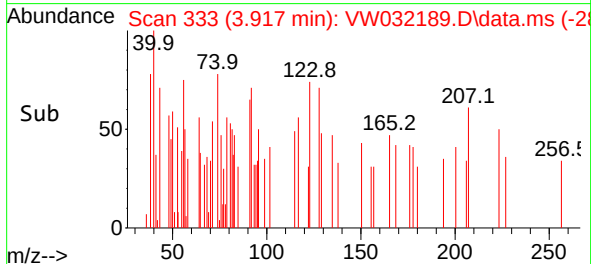
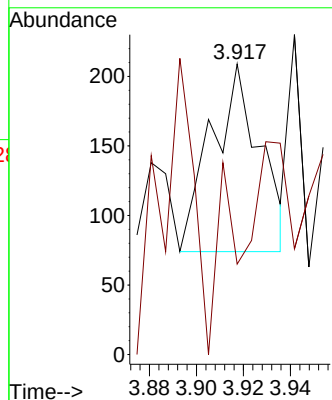


#13
Acrolein
Concen: 1.055 ug/l
RT: 3.917 min Scan# 311
Delta R.T. -0.012 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Instrument :
MSVOA_W
ClientSampleId :

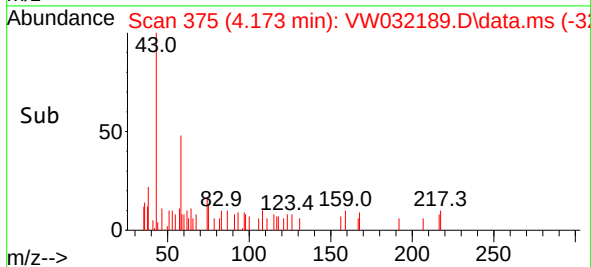
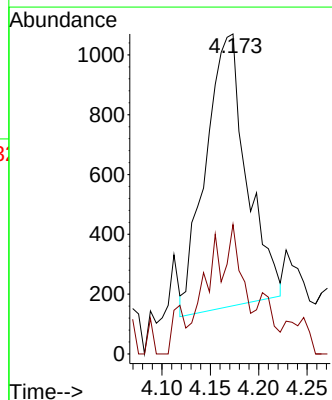
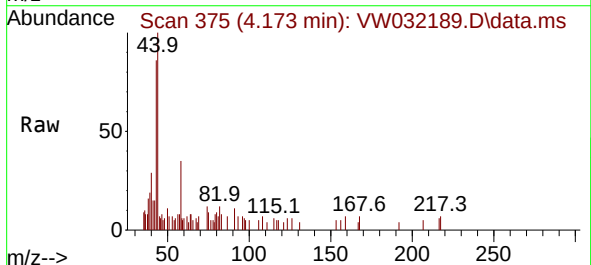


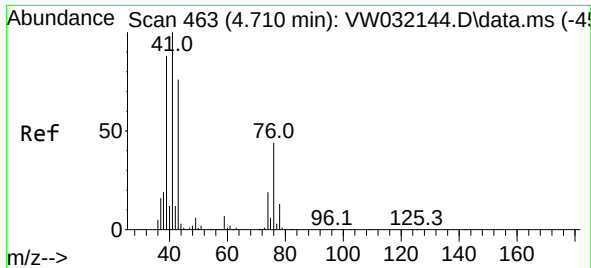
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 125.8 56.4 84.6#



#16
Acetone
Concen: 6.379 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.012 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
58 49.3 25.3 37.9#

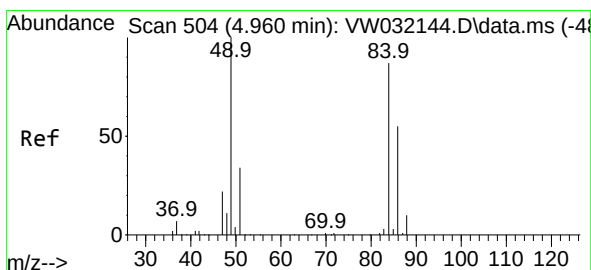
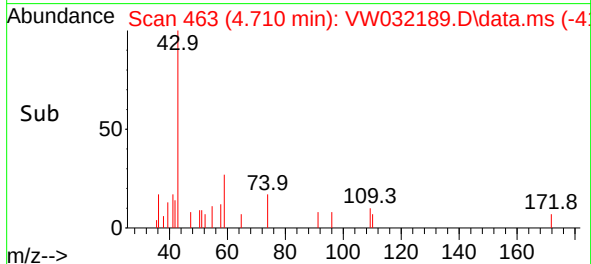
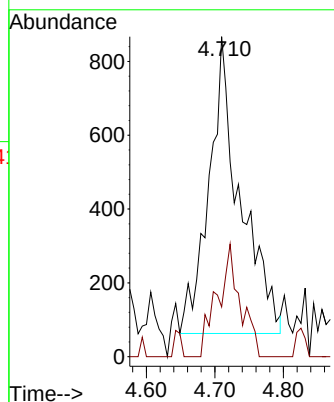
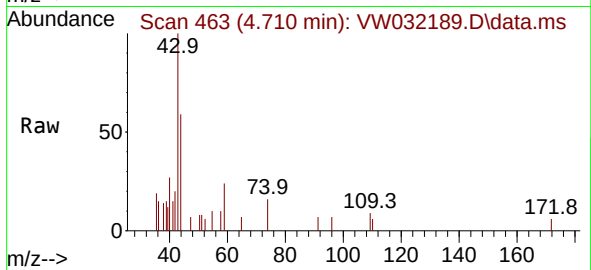




#18
Methyl Acetate
Concen: 1.887 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

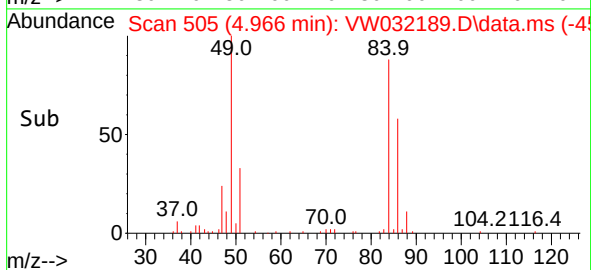
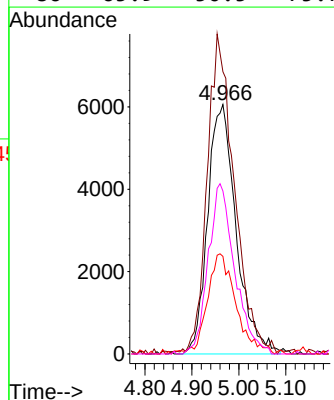
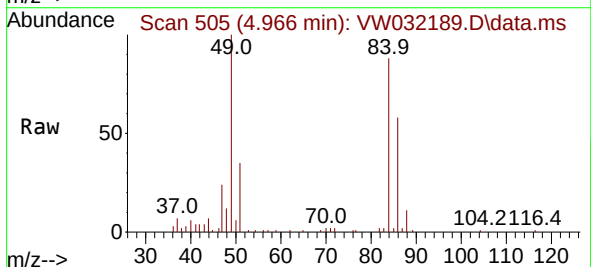
Instrument :
MSVOA_W
ClientSampleId :

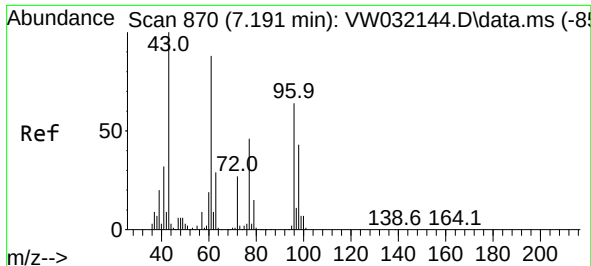
Tgt Ion: 43 Resp: 2548
Ion Ratio Lower Upper
43 100
74 27.9 20.2 30.4



#20
Methylene Chloride
Concen: 11.542 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion: 84 Resp: 25514
Ion Ratio Lower Upper
84 100
49 113.3 92.2 138.4
51 38.1 31.0 46.6
86 65.9 50.5 75.7

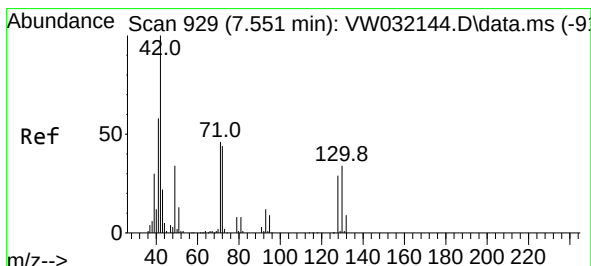
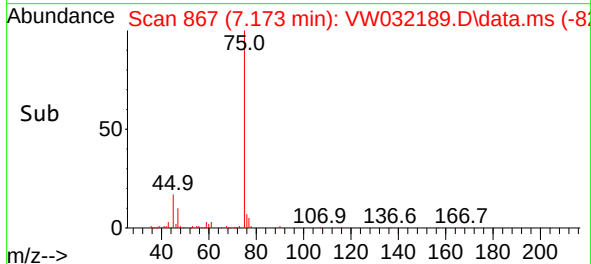
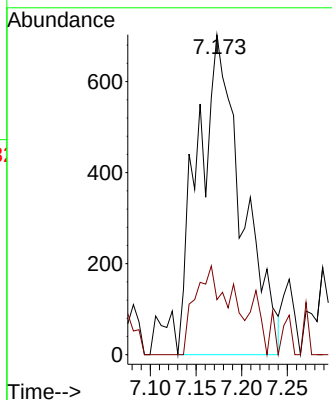
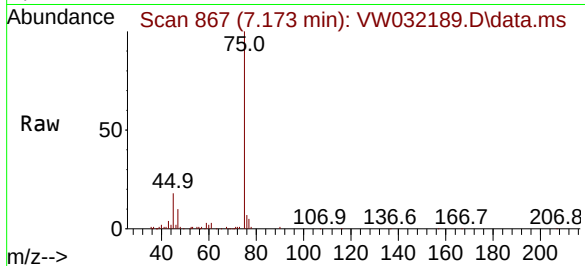




#25
2-Butanone
Concen: 3.934 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.018 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

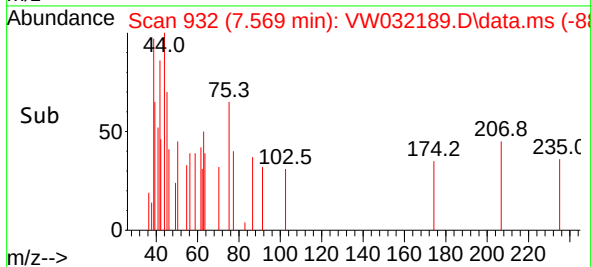
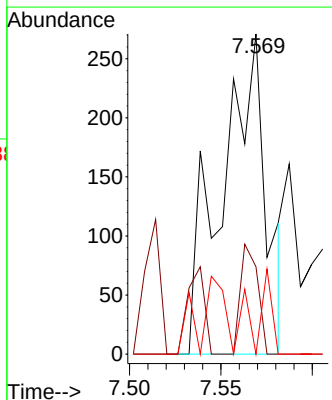
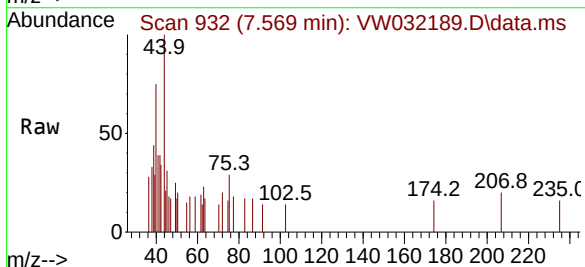
Instrument :
MSVOA_W
ClientSampleId :

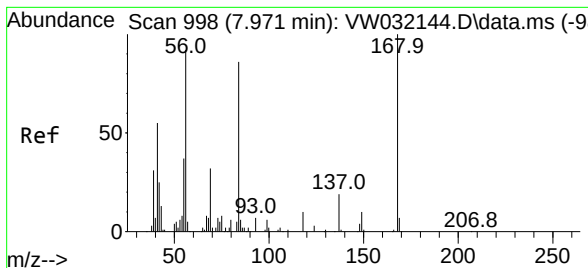
Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
72 17.2 21.4 32.2#



#29
Tetrahydrofuran
Concen: 1.200 ug/l
RT: 7.569 min Scan# 932
Delta R.T. 0.018 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion: 42 Resp: 458
Ion Ratio Lower Upper
42 100
72 13.3 37.4 56.2#
71 4.4 36.0 54.0#





#31

Cyclohexane

Concen: 1.749 ug/l

RT: 7.965 min Scan# 998

Delta R.T. -0.006 min

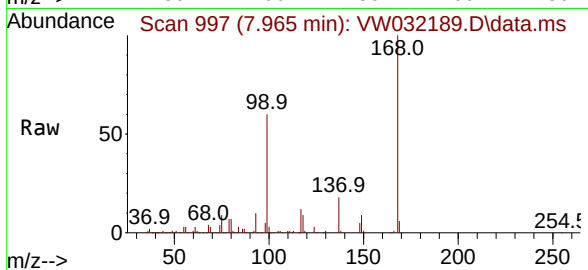
Lab File: VW032189.D

Acq: 17 Sep 2025 14:59

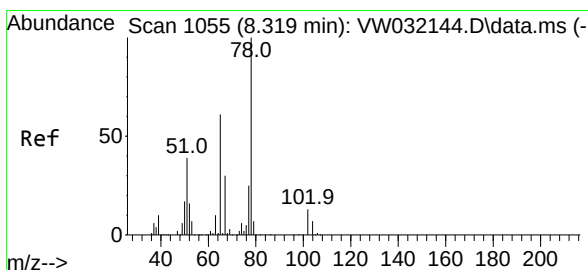
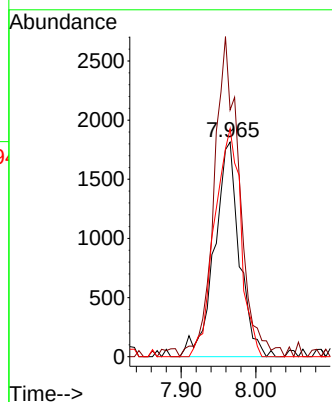
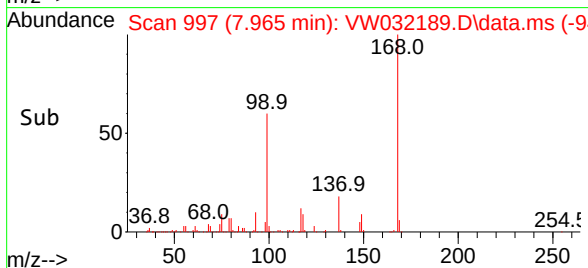
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	4200
Ion Ratio	Lower	Upper	
56	100		
69	115.0	27.7	41.5#
84	106.3	74.6	112.0



#33

1,2-Dichloroethane-d4

Concen: 62.145 ug/l

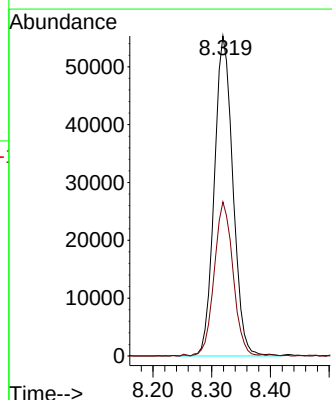
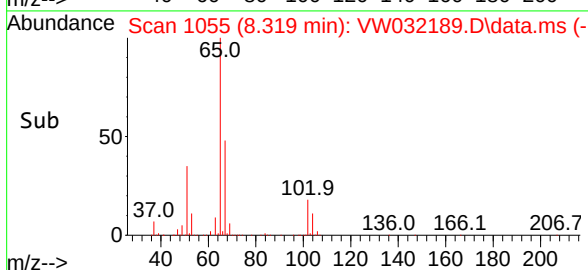
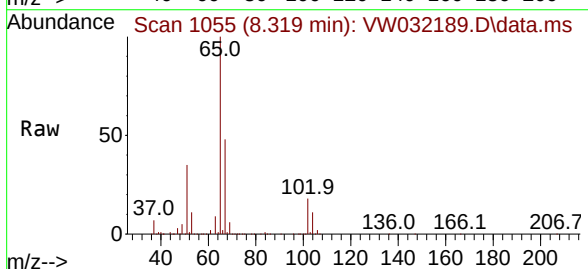
RT: 8.319 min Scan# 1055

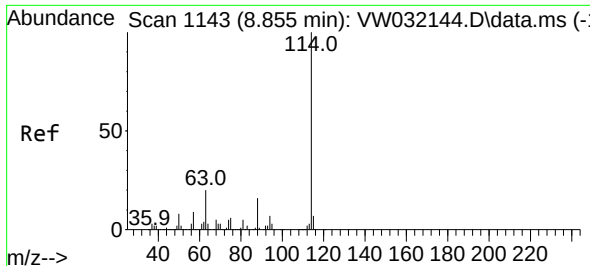
Delta R.T. -0.000 min

Lab File: VW032189.D

Acq: 17 Sep 2025 14:59

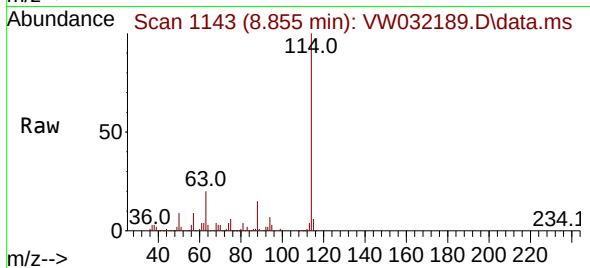
Tgt Ion:	65	Resp:	121588
Ion Ratio	Lower	Upper	
65	100		
67	48.7	0.0	99.6



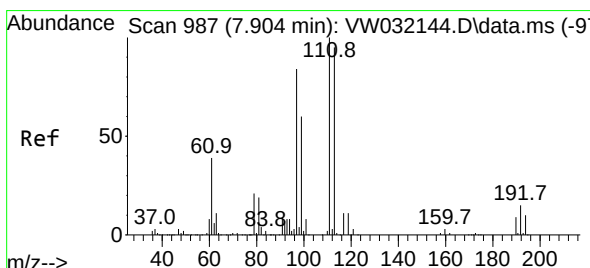
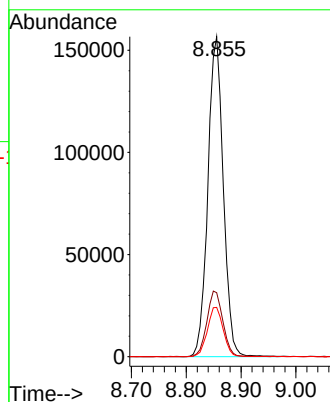
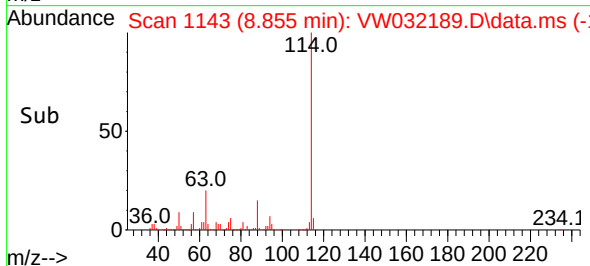


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Instrument :
MSVOA_W
ClientSampleId :

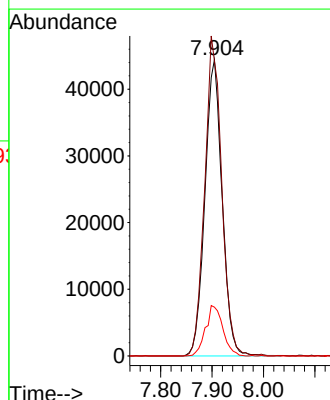
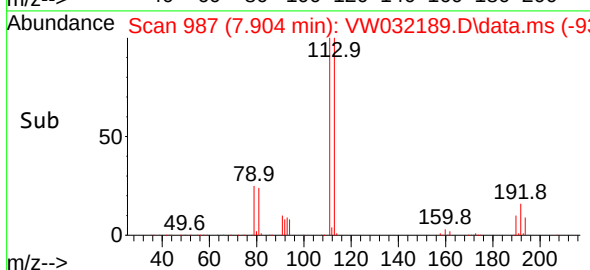
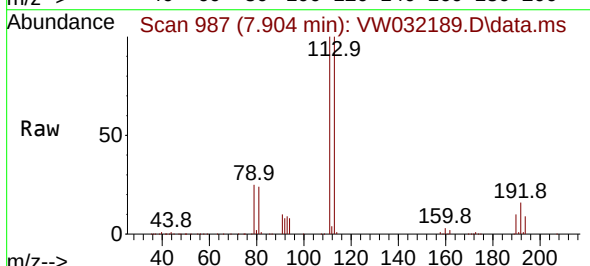


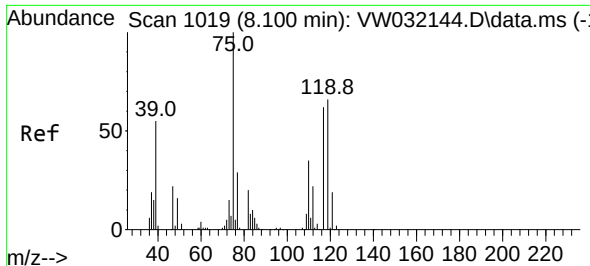
Tgt Ion:114 Resp: 304859
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.4
88 15.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.416 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion:113 Resp: 103556
Ion Ratio Lower Upper
113 100
111 106.5 83.9 125.9
192 17.1 14.6 21.8

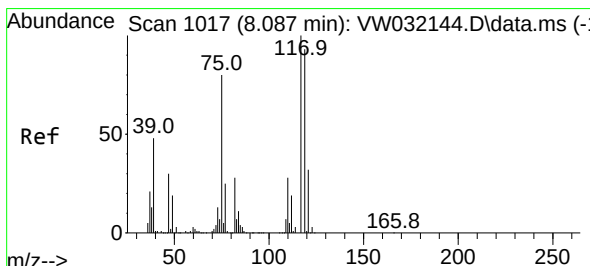
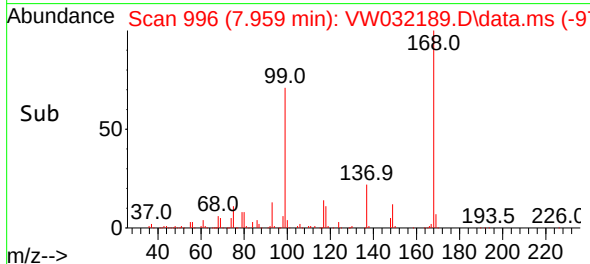
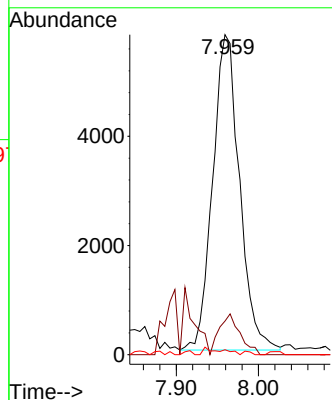
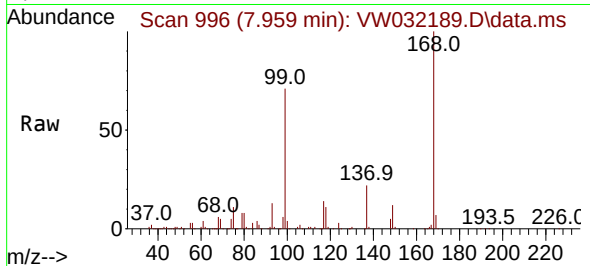




#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

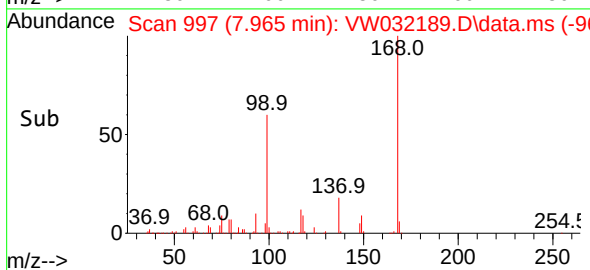
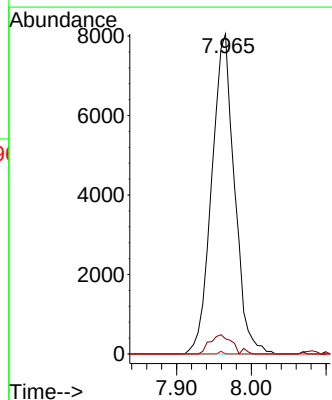
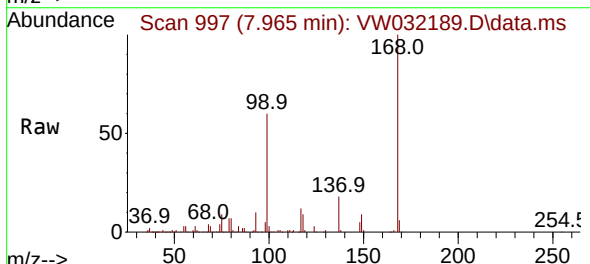
Instrument :
MSVOA_W
ClientSampleId :

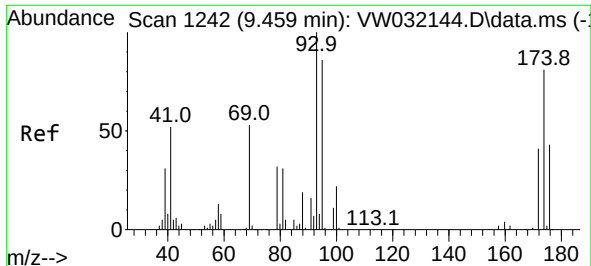
Tgt Ion: 75 Resp: 13128
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.734 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion: 117 Resp: 17046
Ion Ratio Lower Upper
117 100
119 4.8 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.485 ug/l

RT: 9.325 min Scan# 11

Delta R.T. -0.134 min

Lab File: VW032189.D

Acq: 17 Sep 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

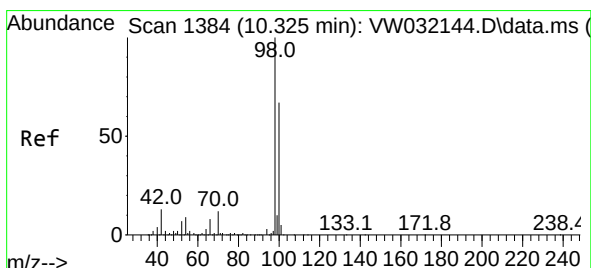
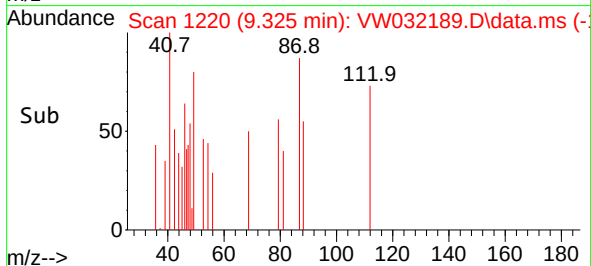
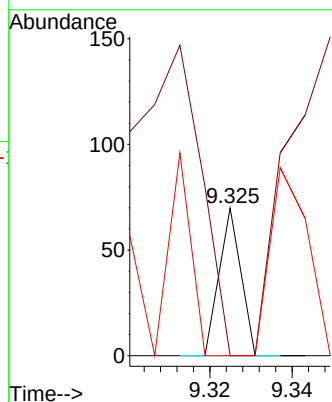
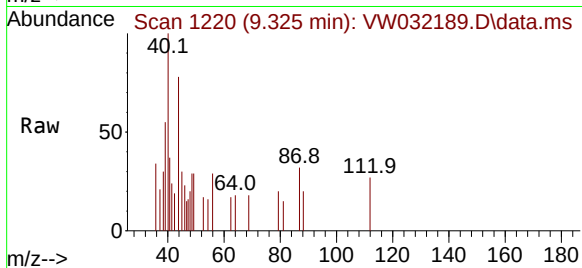
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 296.2 55.4 83.0#



#50

Toluene-d8

Concen: 46.337 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032189.D

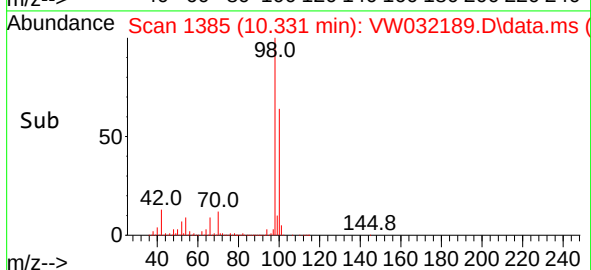
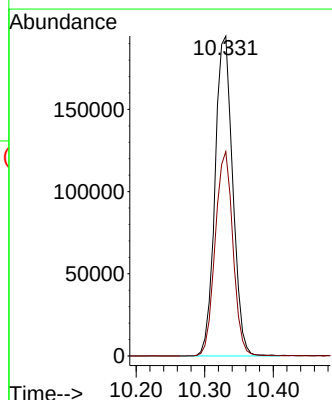
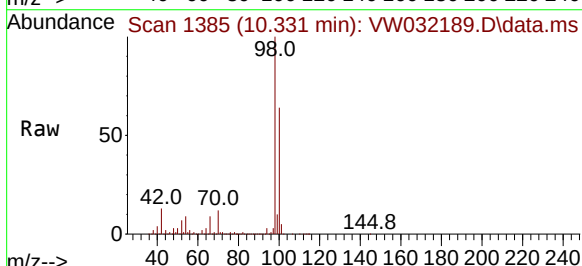
Acq: 17 Sep 2025 14:59

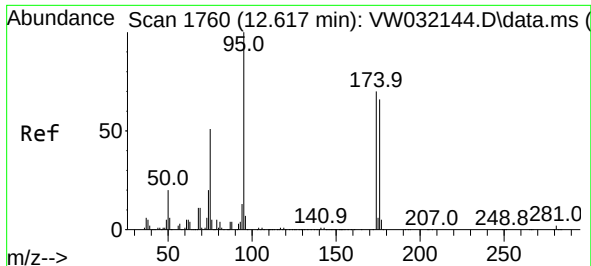
Tgt Ion: 98 Resp: 347922

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2

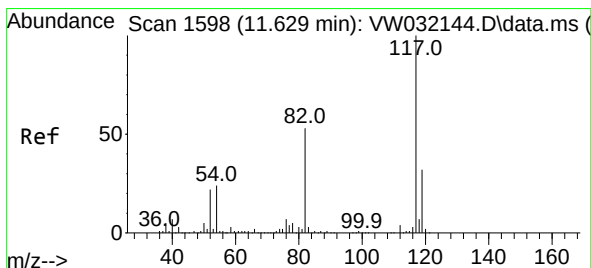
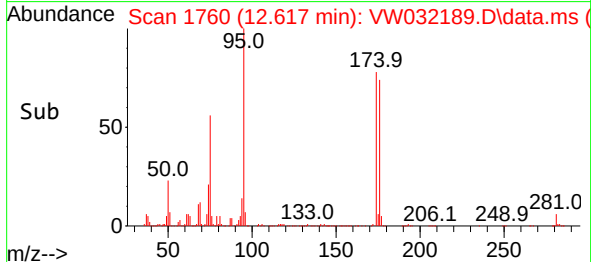
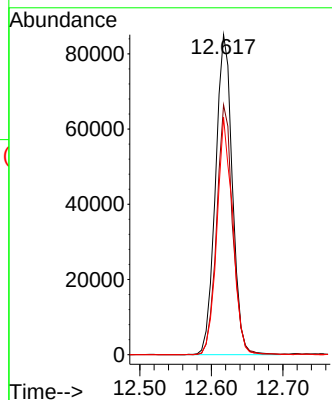
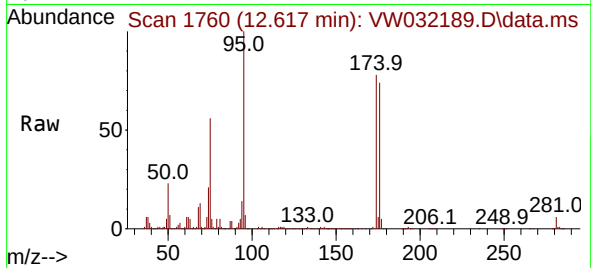




#62
4-Bromofluorobenzene
Concen: 50.115 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

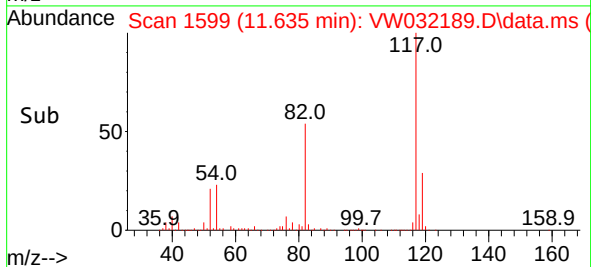
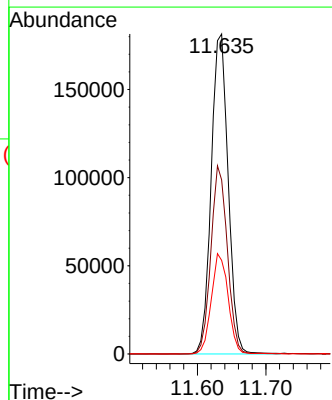
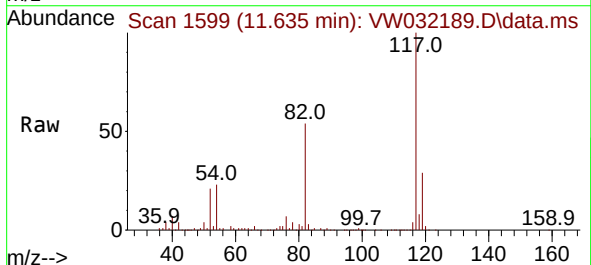
Instrument :
MSVOA_W
ClientSampleId :

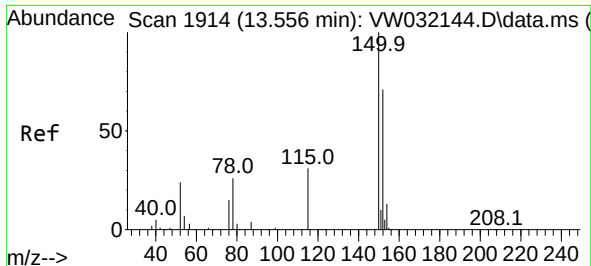
Tgt Ion: 95 Resp: 139145
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.6
176 69.5 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Tgt Ion: 117 Resp: 312075
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 29.3 25.2 37.8

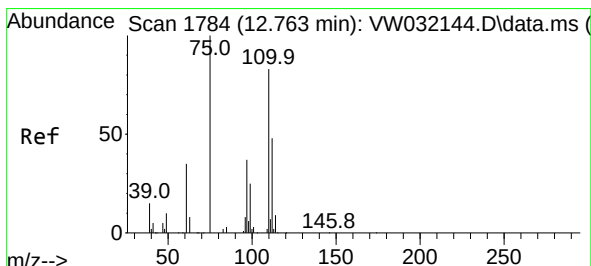
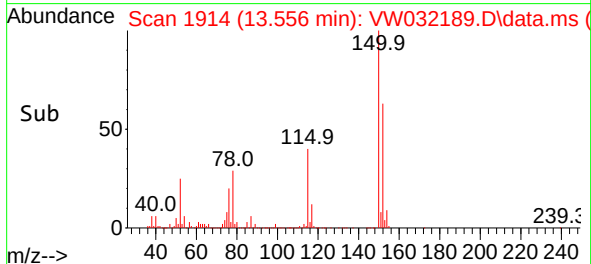
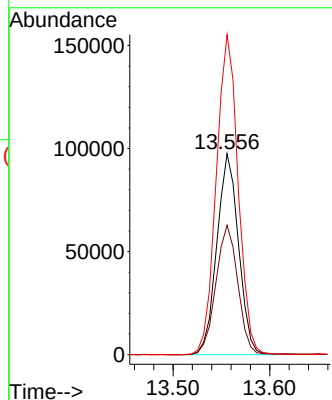
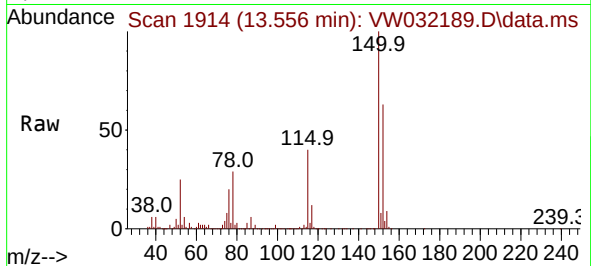




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032189.D
 Acq: 17 Sep 2025 14:59

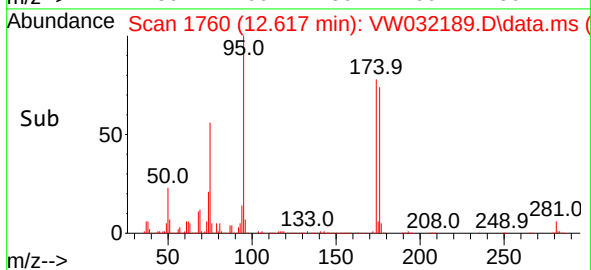
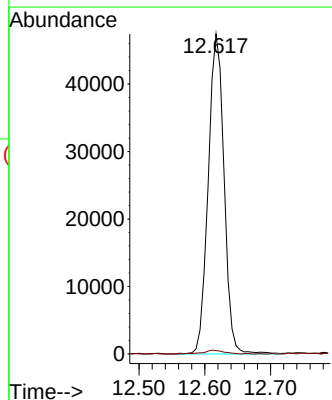
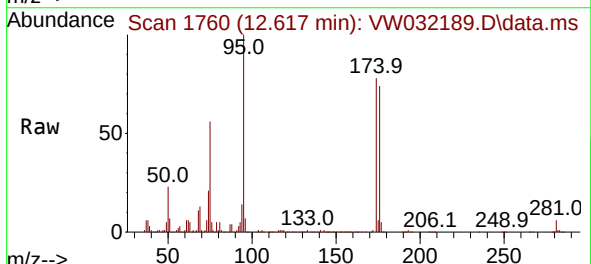
Instrument :
 MSVOA_W
 ClientSampleId :

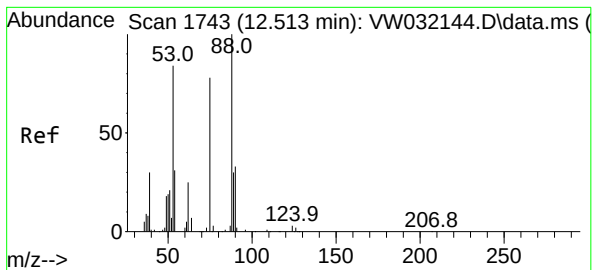
Tgt Ion:152 Resp: 151494
 Ion Ratio Lower Upper
 152 100
 115 65.4 31.8 95.4
 150 161.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.886 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032189.D
 Acq: 17 Sep 2025 14:59

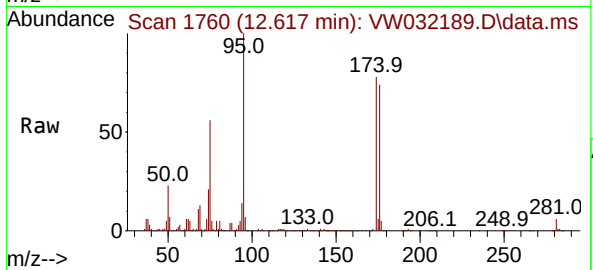
Tgt Ion: 75 Resp: 79497
 Ion Ratio Lower Upper
 75 100
 77 1.6 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 112.778 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032189.D
Acq: 17 Sep 2025 14:59

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	91.0	136.6#
89	0.1	39.4	59.2#

