

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032176.D
 Acq On : 15 Sep 2025 16:11
 Operator : SY/MD
 Sample : Q3106-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:38:03 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)

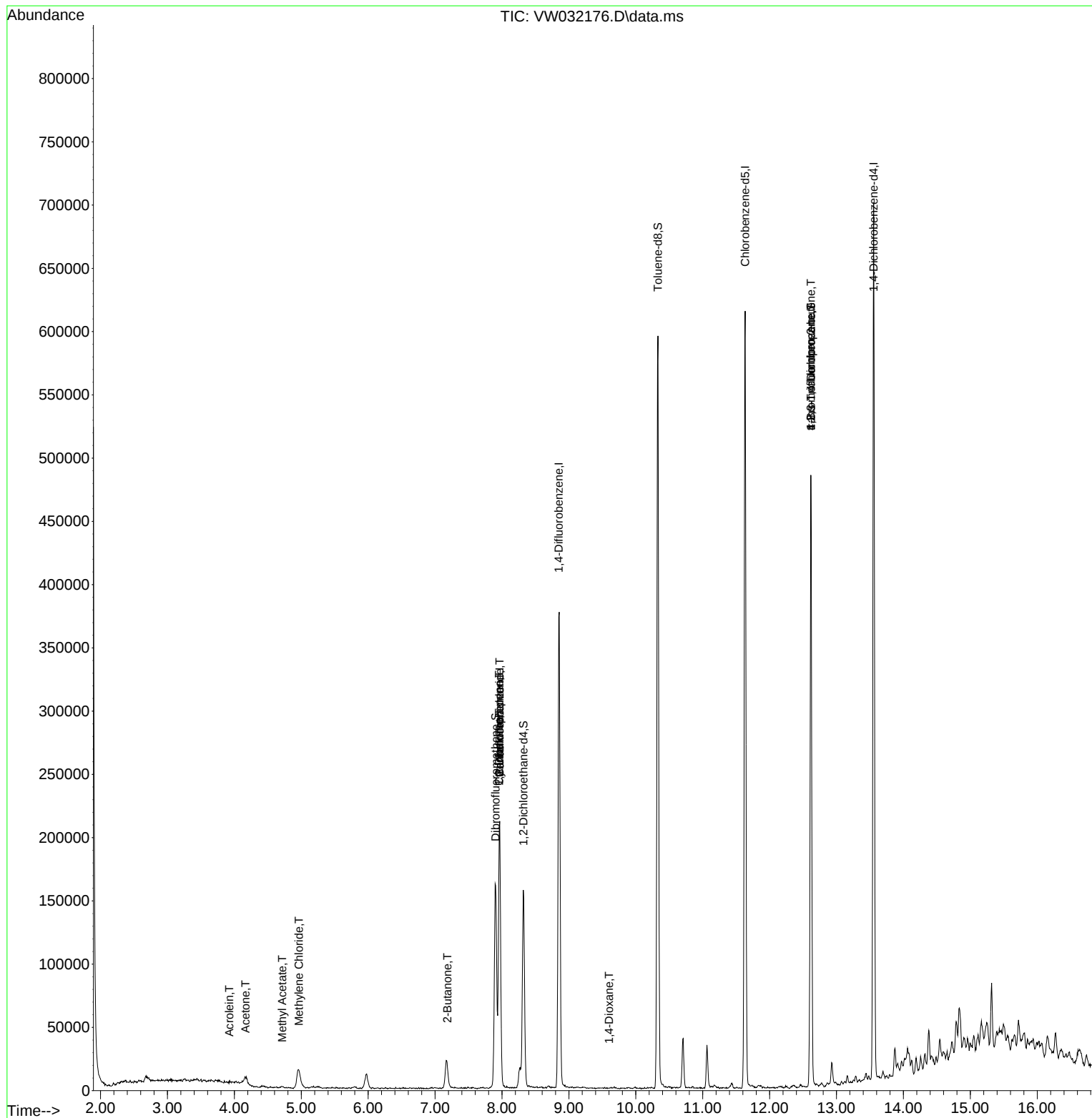
Internal Standards						
1) Pentafluorobenzene	7.965	168	147793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	315036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130434	61.711	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 123.420%		
35) Dibromofluoromethane	7.904	113	119755	54.181	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.360%		
50) Toluene-d8	10.331	98	383202	49.387	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.780%		
62) 4-Bromofluorobenzene	12.617	95	152154	53.030	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.060%		
Target Compounds						
					Qvalue	
13) Acrolein	3.923	56	207	1.042	ug/l	87
16) Acetone	4.167	43	10014	21.876	ug/l	95
18) Methyl Acetate	4.716	43	2066	1.417	ug/l #	71
20) Methylene Chloride	4.966	84	13585	3.713	ug/l	87
25) 2-Butanone	7.185	43	1544	2.380	ug/l #	74
31) Cyclohexane	7.959	56	4080	1.572	ug/l #	42
36) 1,1-Dichloropropene	7.959	75	14329	5.000	ug/l #	50
38) Carbon Tetrachloride	7.965	117	16424	5.346	ug/l #	19
49) 1,4-Dioxane	9.599	88	23	1.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	81615	37.705	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	81615	101.520	ug/l #	5

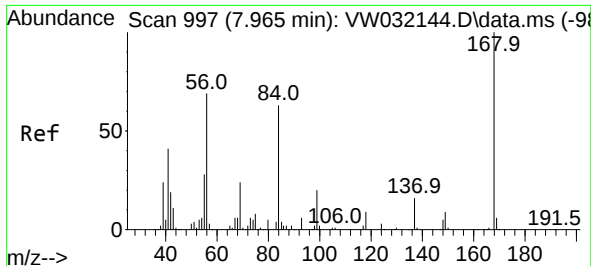
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW032176.D
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Quant Time: Sep 16 06:38:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

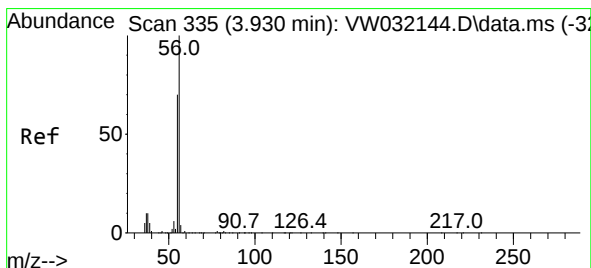
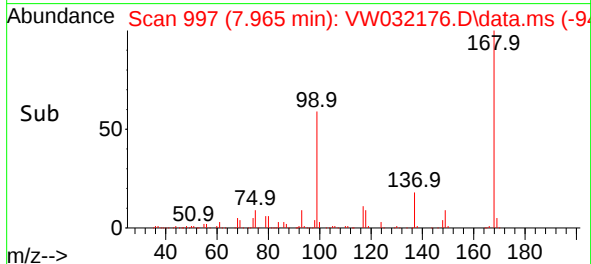
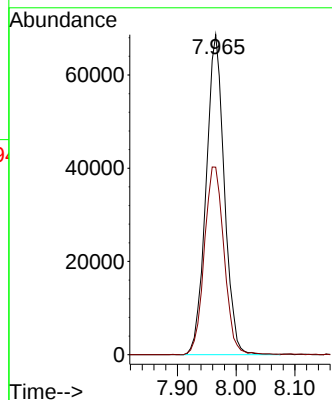
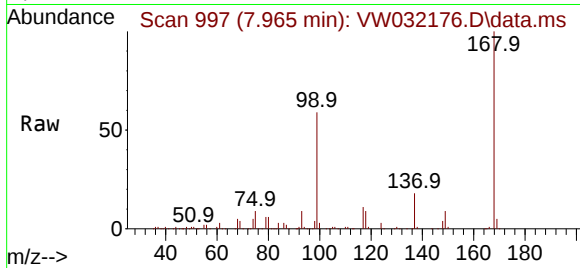




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

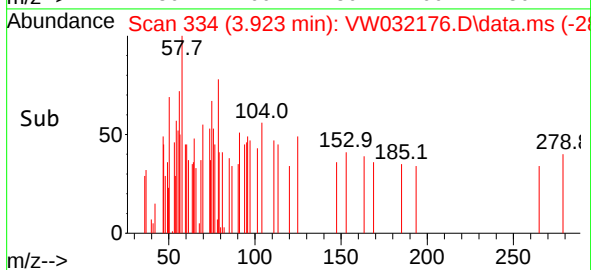
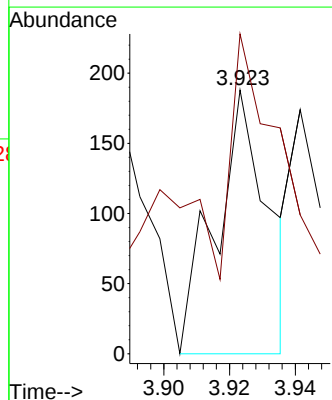
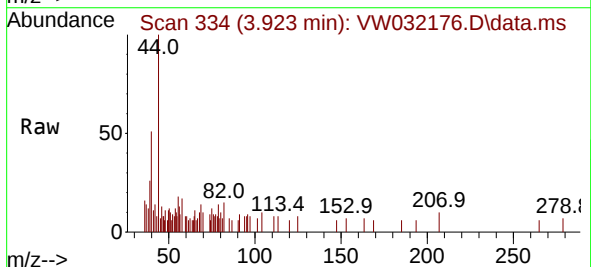
Instrument :
MSVOA_W
ClientSampleId :

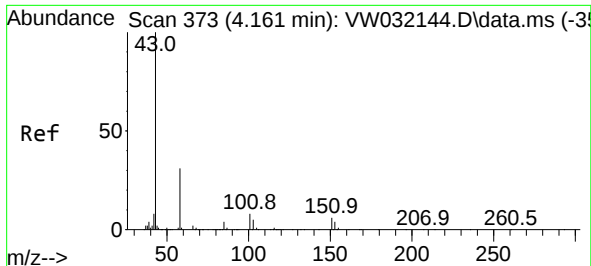
Tgt Ion:168 Resp: 147793
Ion Ratio Lower Upper
168 100
99 58.6 49.3 73.9



#13
Acrolein
Concen: 1.042 ug/l
RT: 3.923 min Scan# 334
Delta R.T. -0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 81.2 56.4 84.6

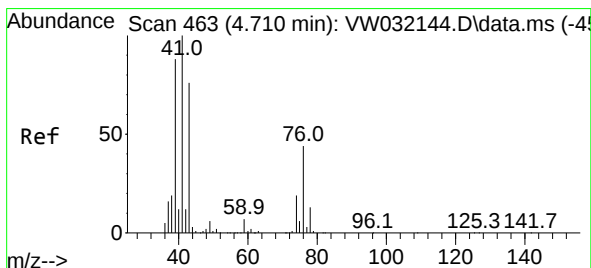
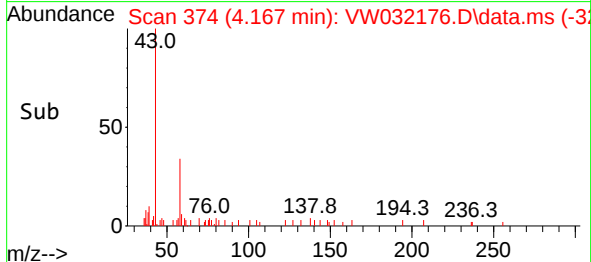
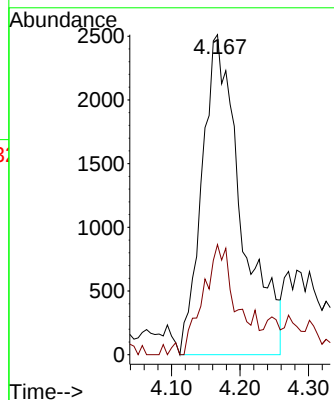
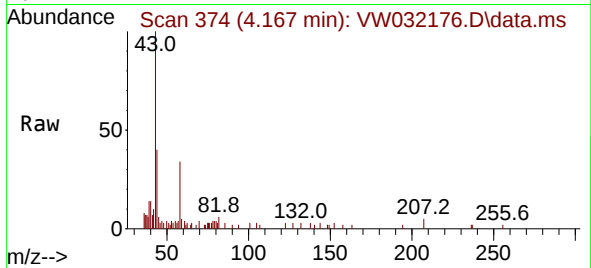




#16
Acetone
Concen: 21.876 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

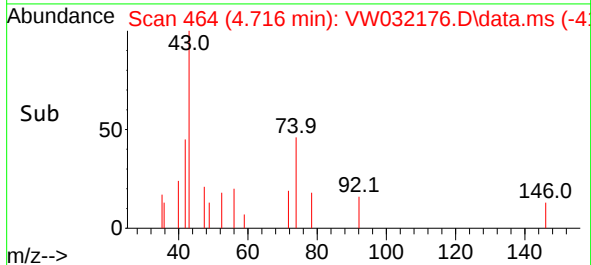
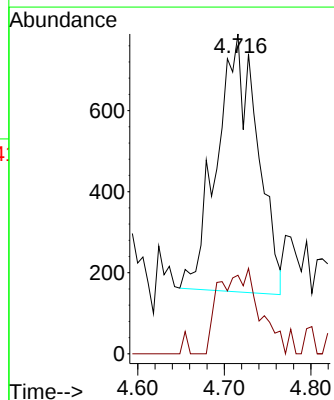
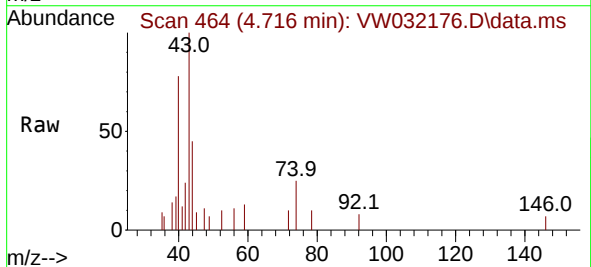
Instrument :
MSVOA_W
ClientSampleId :

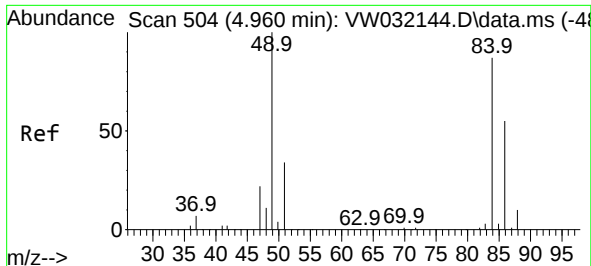
Tgt Ion: 43 Resp: 10014
Ion Ratio Lower Upper
43 100
58 34.4 25.3 37.9



#18
Methyl Acetate
Concen: 1.417 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

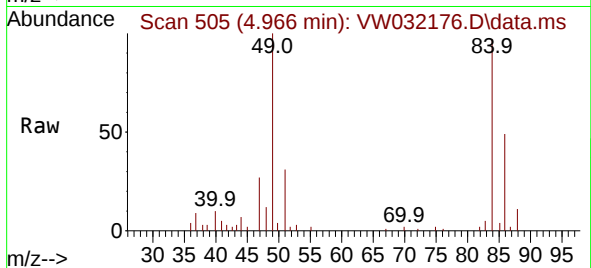
Tgt Ion: 43 Resp: 2066
Ion Ratio Lower Upper
43 100
74 10.6 20.2 30.4#



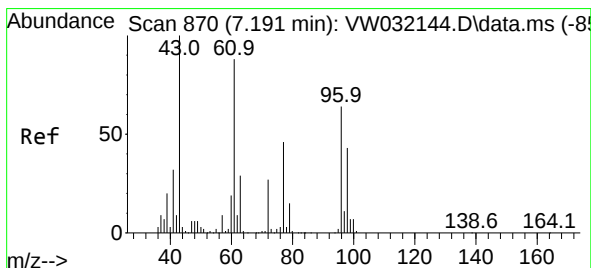
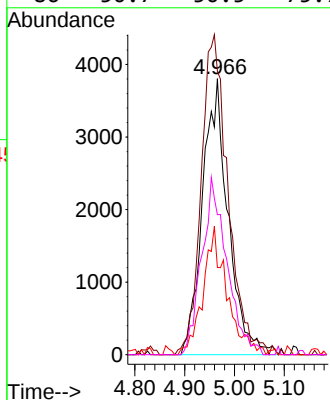
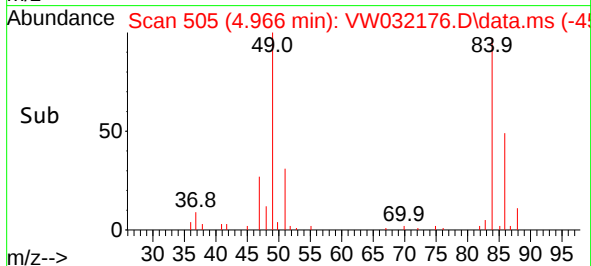


#20
Methylene Chloride
Concen: 3.713 ug/l
RT: 4.966 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Instrument :
MSVOA_W
ClientSampleId :

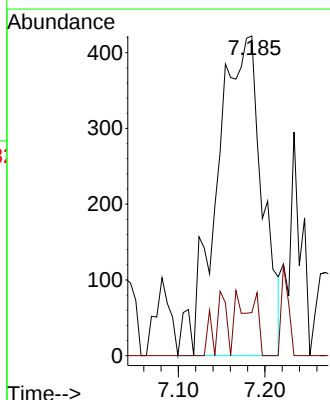
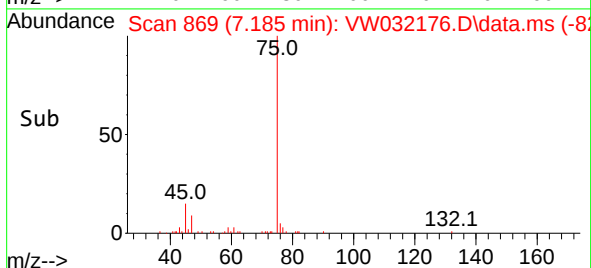
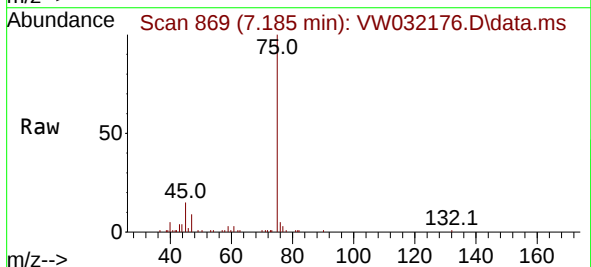


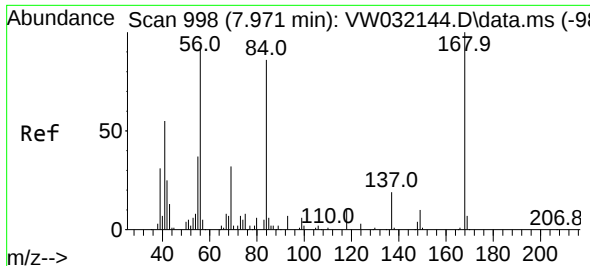
Tgt Ion: 84	Resp: 13585
Ion Ratio	Lower Upper
84 100	
49 102.7	92.2 138.4
51 31.6	31.0 46.6
86 50.7	50.5 75.7



#25
2-Butanone
Concen: 2.380 ug/l
RT: 7.185 min Scan# 869
Delta R.T. -0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

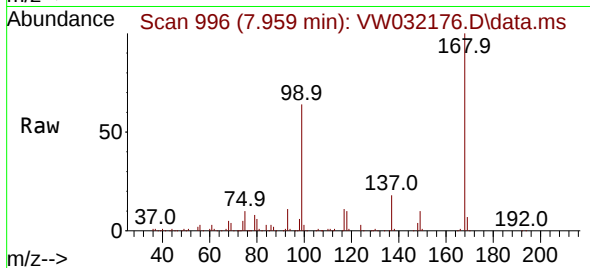
Tgt Ion: 43	Resp: 1544		
Ion Ratio	Lower	Upper	
43 100			
72 13.5	21.4	32.2#	



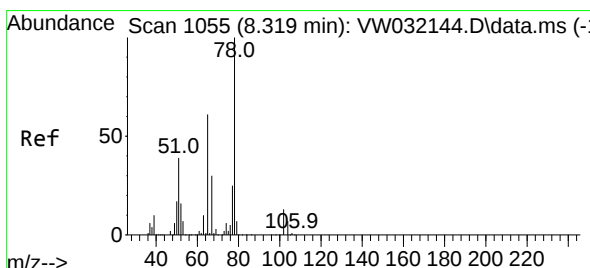
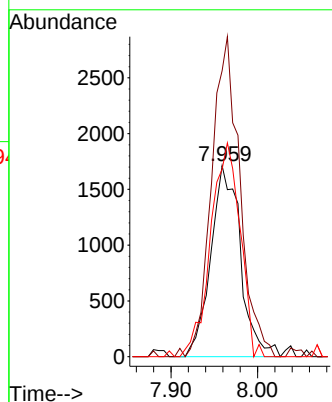
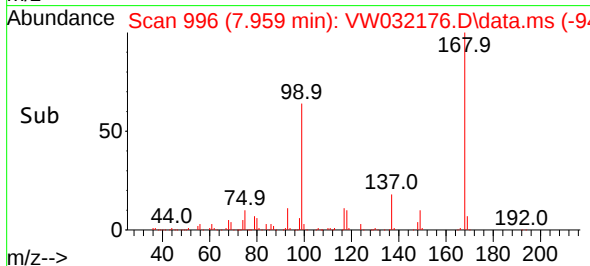


#31
Cyclohexane
Concen: 1.572 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Instrument :
MSVOA_W
ClientSampleId :

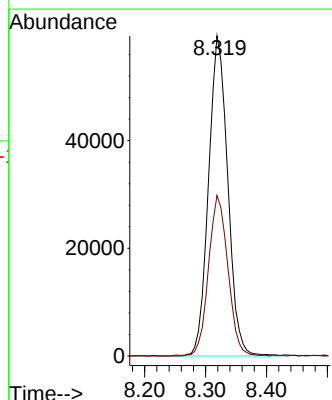
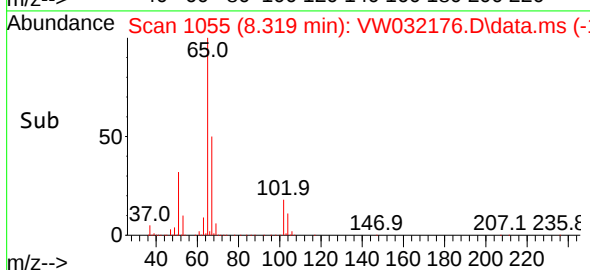
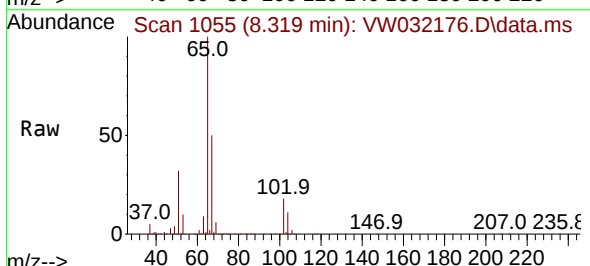


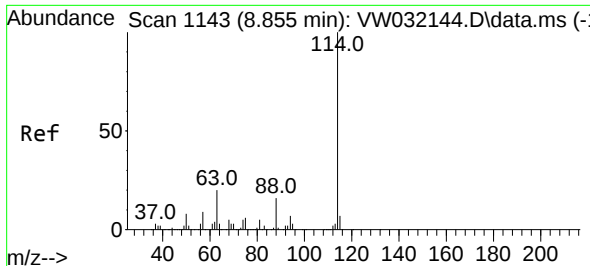
Tgt Ion: 56 Resp: 4080
Ion Ratio Lower Upper
56 100
69 149.7 27.7 41.5#
84 98.2 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 61.711 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

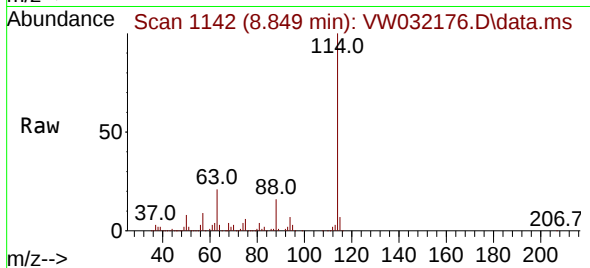
Tgt Ion: 65 Resp: 130434
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.6



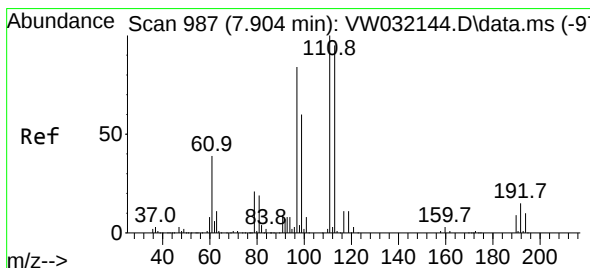
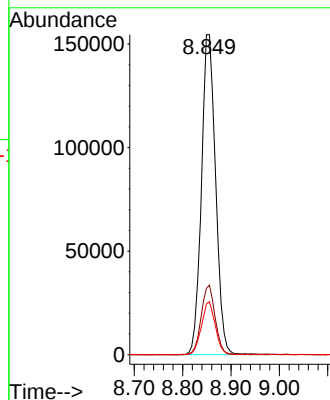
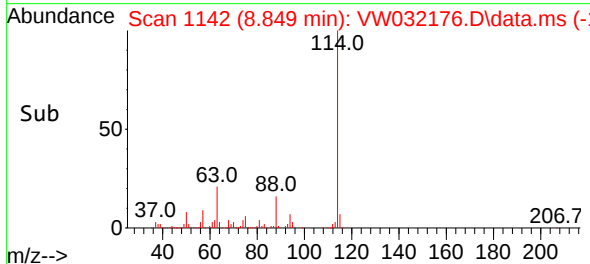


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Instrument :
MSVOA_W
ClientSampleId :

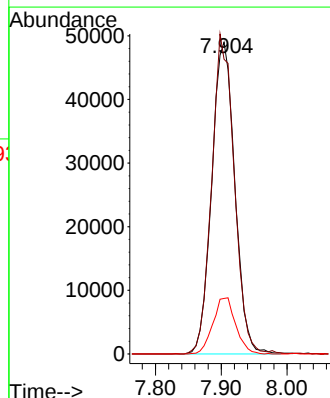
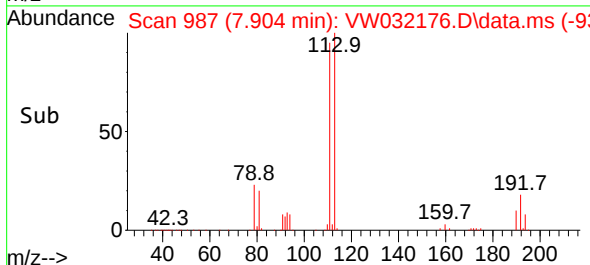
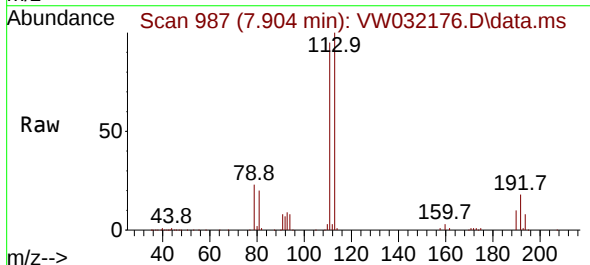


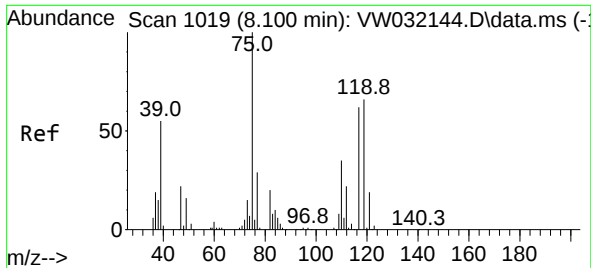
Tgt Ion:114 Resp: 315036
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 54.181 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

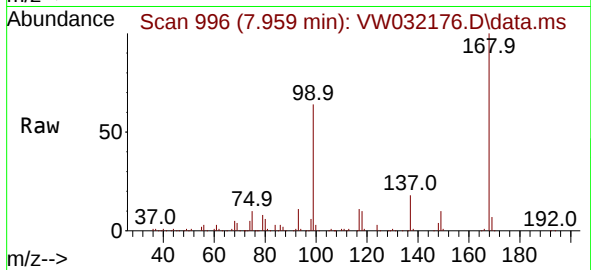
Tgt Ion:113 Resp: 119755
Ion Ratio Lower Upper
113 100
111 100.3 83.9 125.9
192 17.7 14.6 21.8



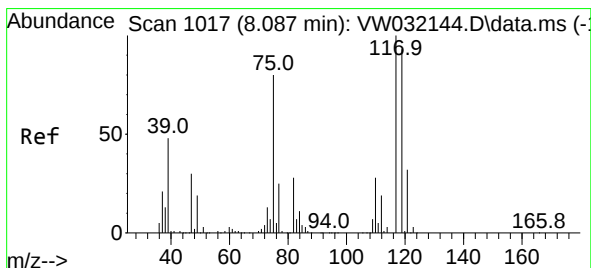
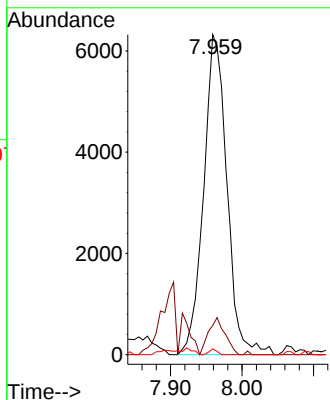
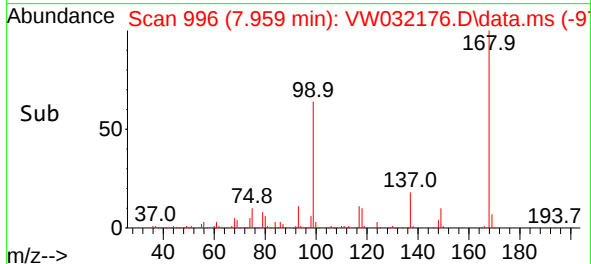


#36
1,1-Dichloropropene
Concen: 5.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Instrument :
MSVOA_W
ClientSampleId :

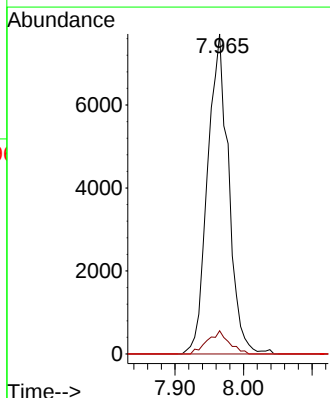
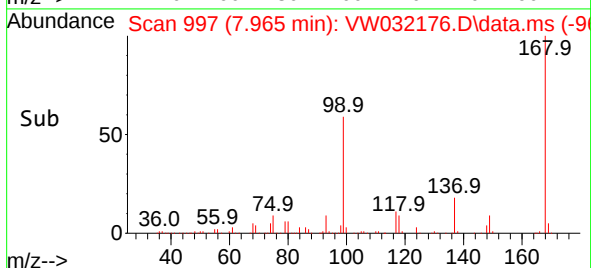
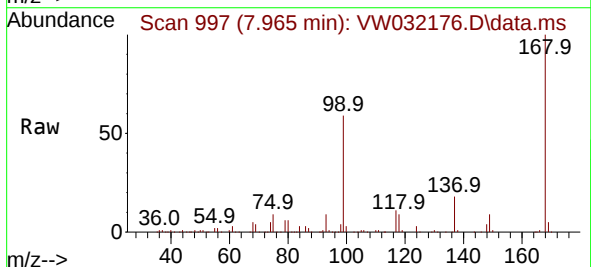


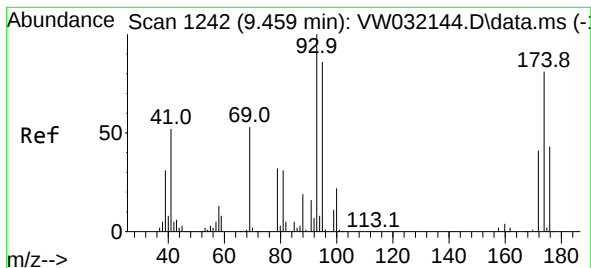
Tgt Ion: 75 Resp: 14329
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.5#
77 0.6 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.346 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Tgt Ion: 117 Resp: 16424
Ion Ratio Lower Upper
117 100
119 7.2 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.271 ug/l

RT: 9.599 min Scan# 11

Delta R.T. 0.140 min

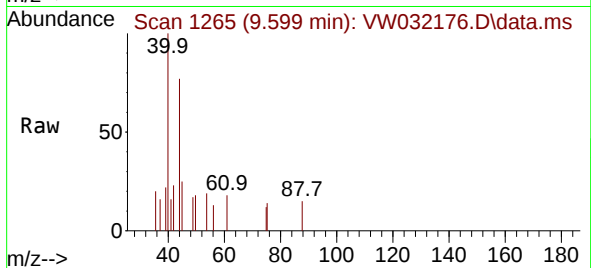
Lab File: VW032176.D

Acq: 15 Sep 2025 16:11

Instrument :

MSVOA_W

ClientSampleId :



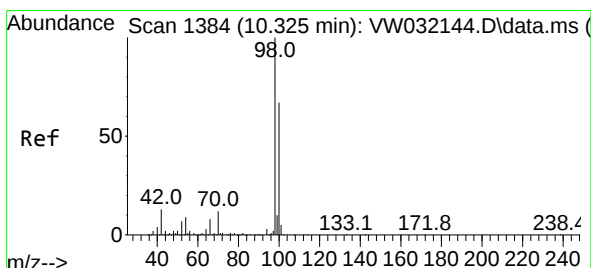
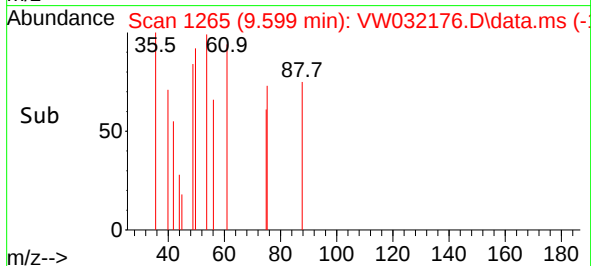
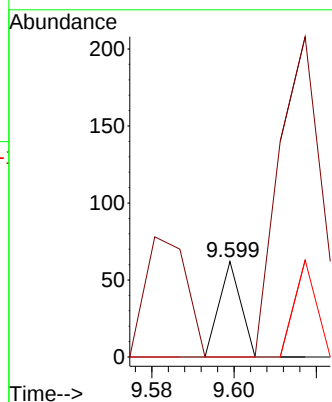
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 747.8 18.0 27.0#

58 100.0 55.4 83.0#



#50

Toluene-d8

Concen: 49.387 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032176.D

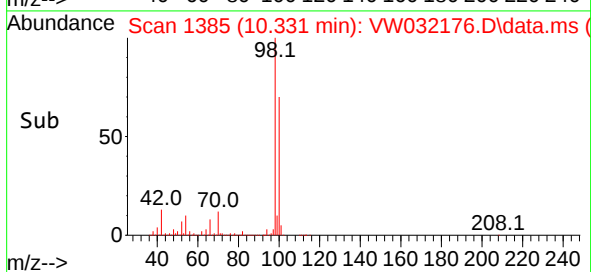
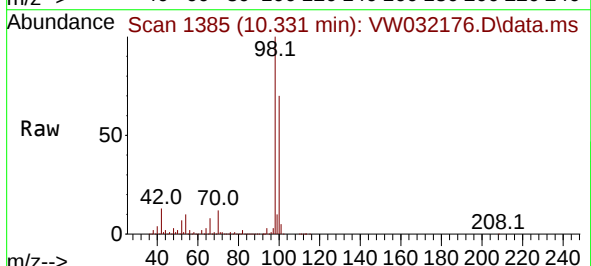
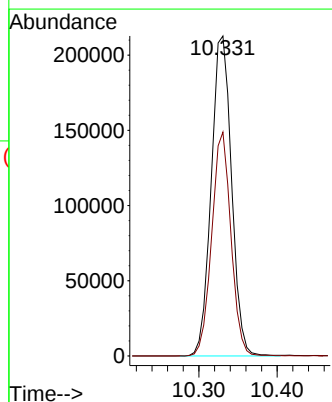
Acq: 15 Sep 2025 16:11

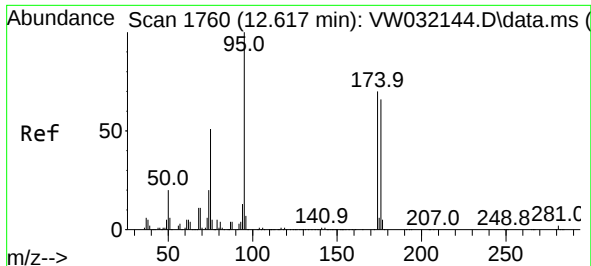
Tgt Ion: 98 Resp: 383202

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.2

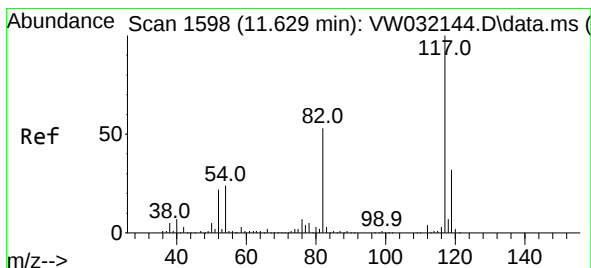
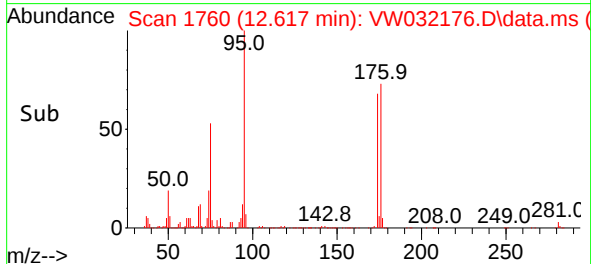
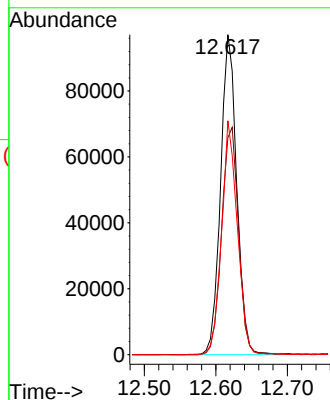
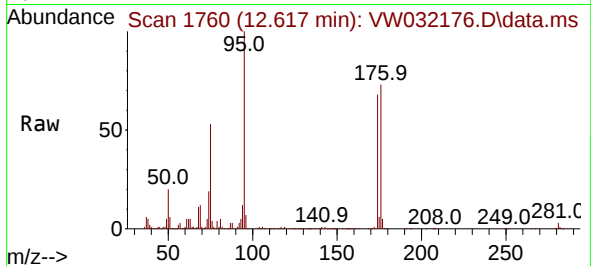




#62
4-Bromofluorobenzene
Concen: 53.030 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

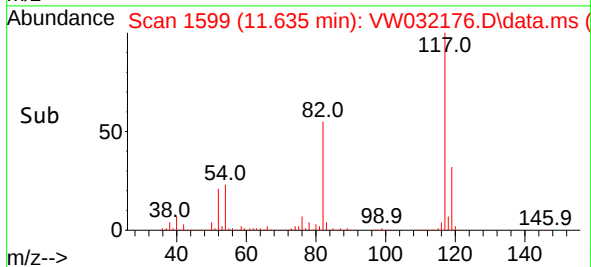
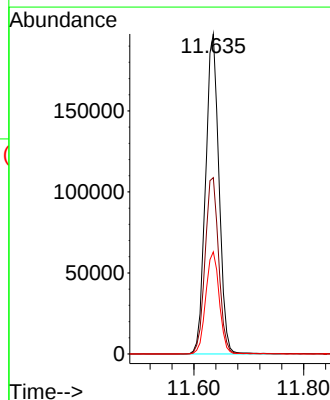
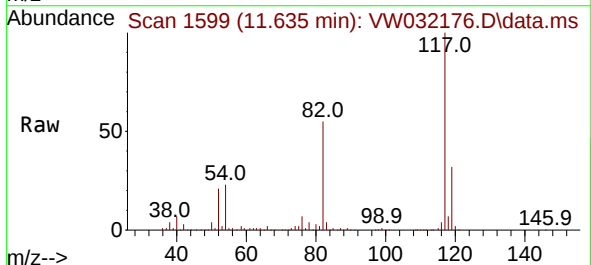
Instrument :
MSVOA_W
ClientSampleId :

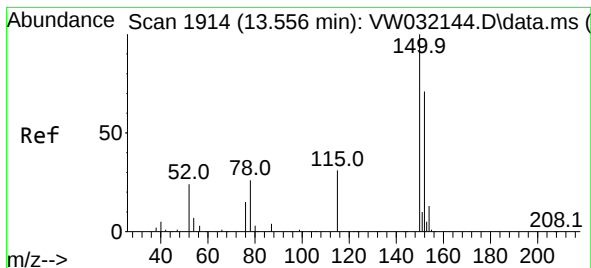
Tgt Ion: 95 Resp: 152154
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.6
176 71.4 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

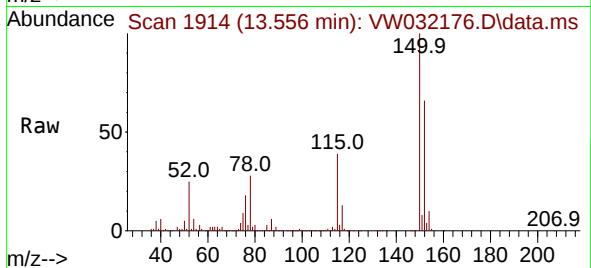
Tgt Ion: 117 Resp: 334057
Ion Ratio Lower Upper
117 100
82 55.1 42.7 64.1
119 31.9 25.2 37.8



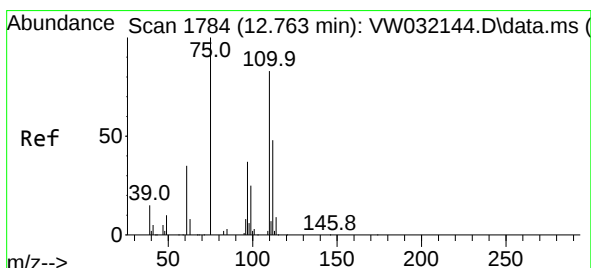
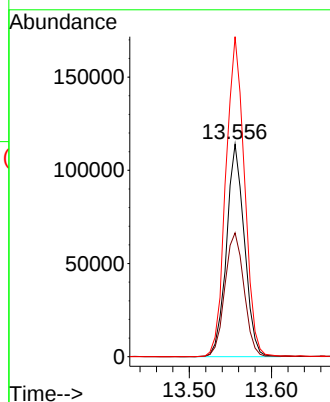
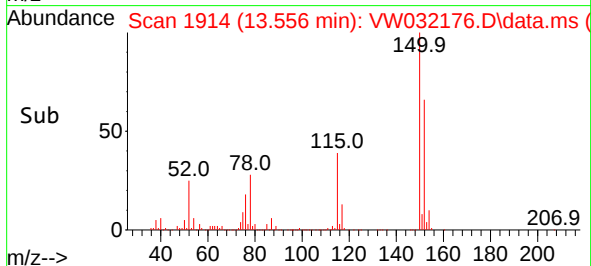


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

Instrument :
MSVOA_W
ClientSampleId :

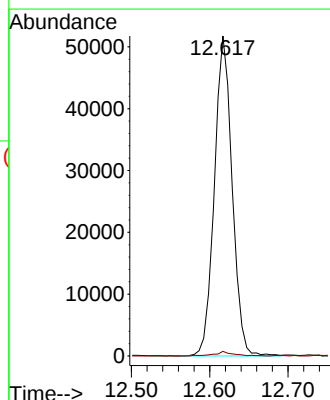
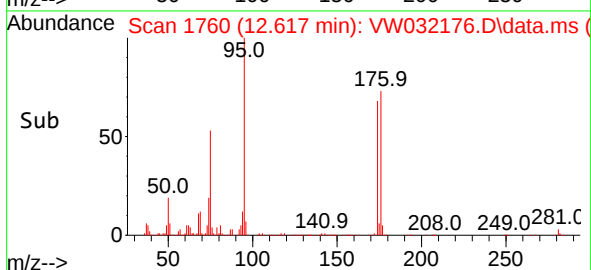
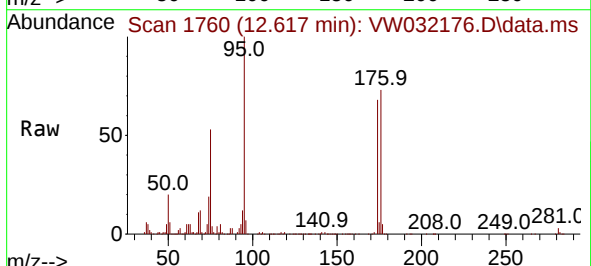


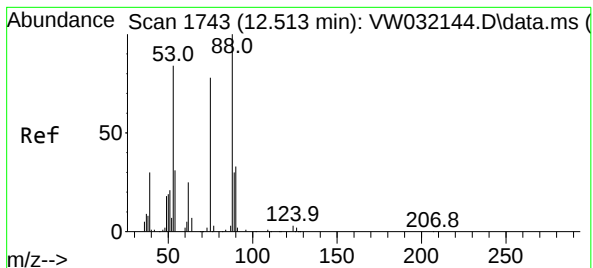
Tgt Ion:152 Resp: 172777
Ion Ratio Lower Upper
152 100
115 62.4 31.8 95.4
150 157.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 37.705 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032176.D
Acq: 15 Sep 2025 16:11

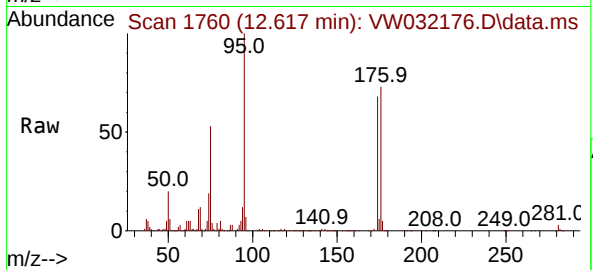
Tgt Ion: 75 Resp: 81615
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.520 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032176.D
 Acq: 15 Sep 2025 16:11

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 81615
 Ion Ratio Lower Upper
 75 100
 53 0.2 91.0 136.6#
 89 0.0 39.4 59.2#

