

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032015.D
 Acq On : 05 Aug 2025 16:04
 Operator : SY/MD
 Sample : Q2774-11
 Misc : 4.77g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 224

Quant Time: Aug 06 03:56:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

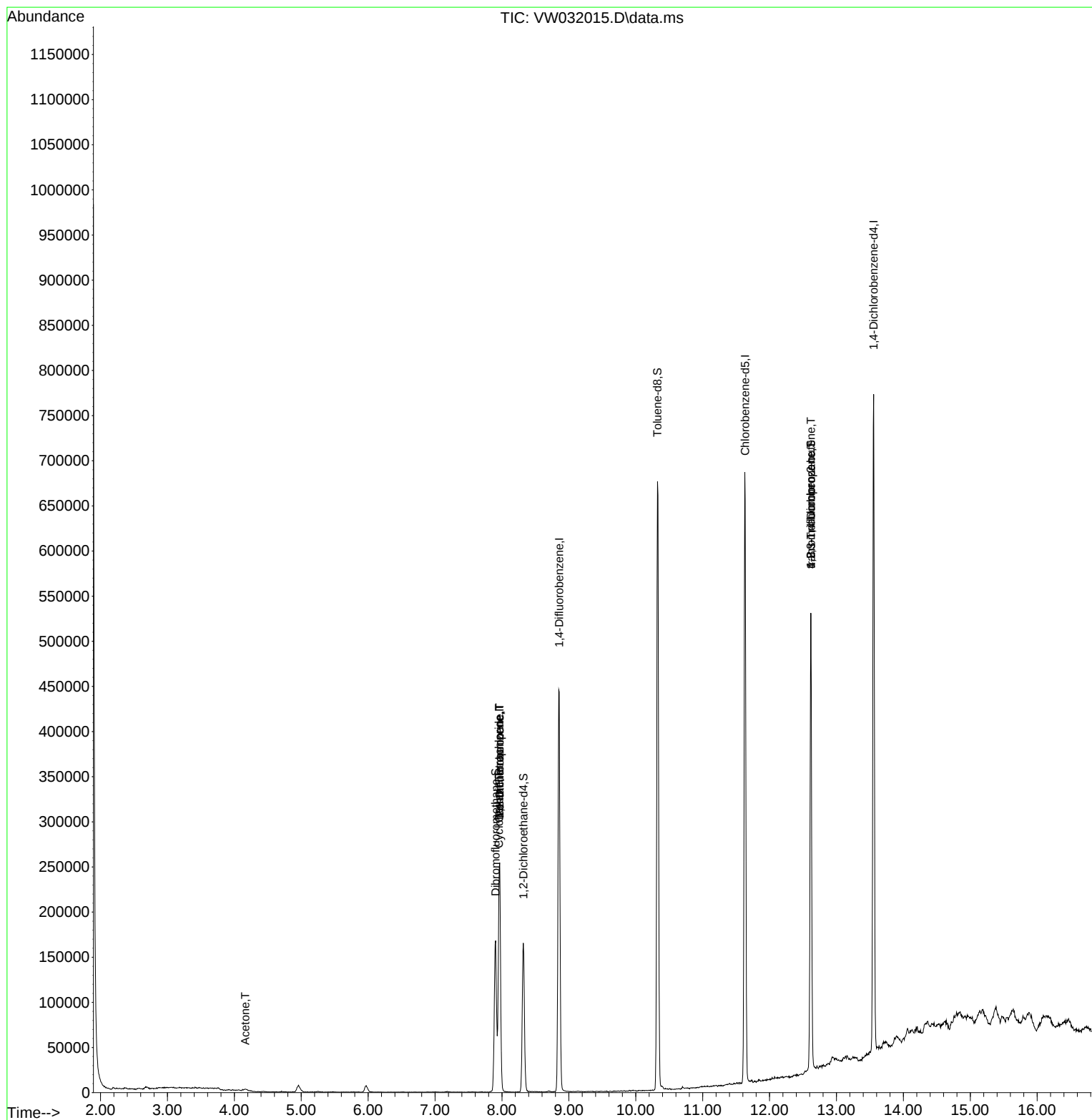
Internal Standards						
1) Pentafluorobenzene	7.965	168	179598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	385248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	373836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	186564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139325	51.282	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 102.560%		
35) Dibromofluoromethane	7.904	113	123113	47.029	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 94.060%		
50) Toluene-d8	10.325	98	473338	47.775	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.560%		
62) 4-Bromofluorobenzene	12.617	95	181623	47.741	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 95.480%		
Target Compounds						
					Qvalue	
13) Acrolein	3.923	56	95	Below Cal	#	75
16) Acetone	4.161	43	2821	4.376	ug/l #	86
20) Methylene Chloride	4.960	84	6187	Below Cal		90
31) Cyclohexane	7.953	56	4209	1.010	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	16783	4.175	ug/l #	48
38) Carbon Tetrachloride	7.959	117	21371	5.539	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	91937	35.693	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	91937	82.404	ug/l #	8

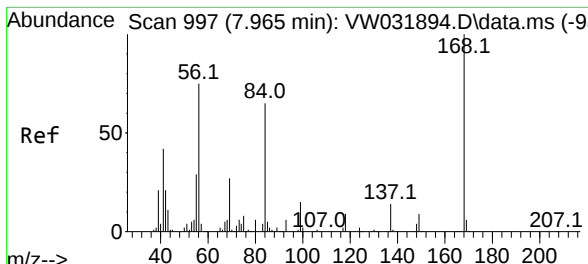
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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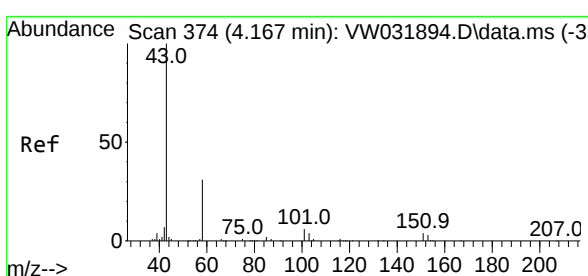
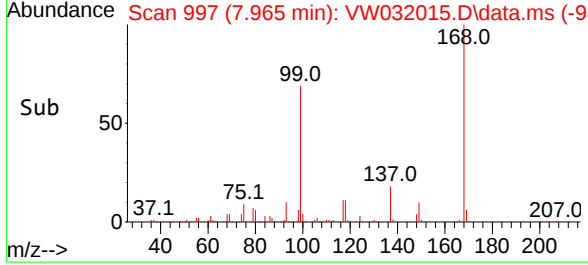
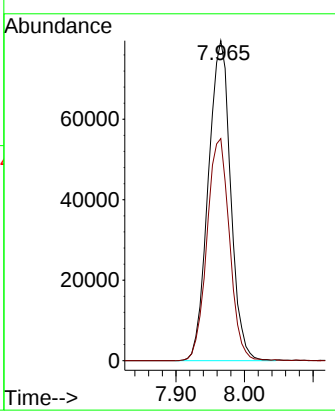
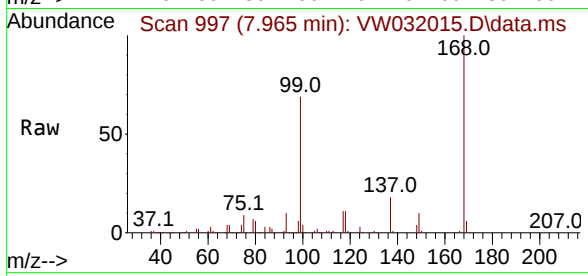


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.965 min Scan# 99
 Delta R.T. 0.000 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

Instrument :
 MSVOA_W
 ClientSampleId :
 224

Tgt Ion: 168 Resp: 179598

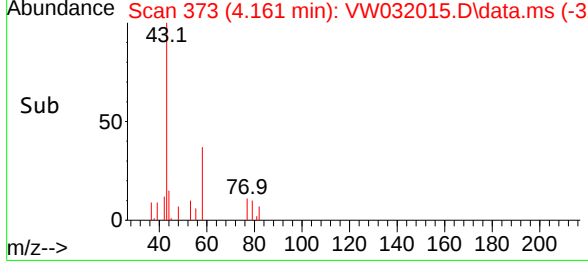
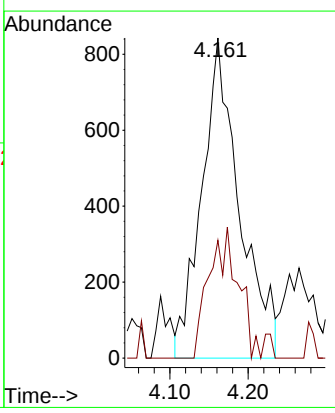
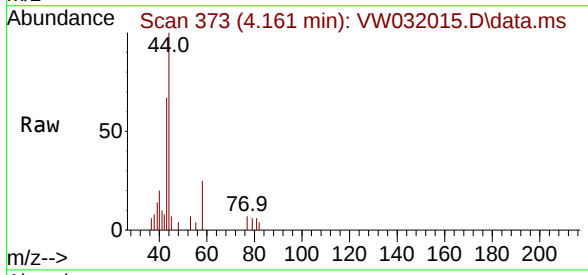
Ion	Ratio	Lower	Upper
168	100		
99	69.4	48.2	72.2

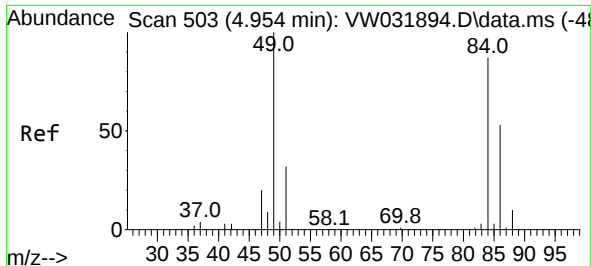


#16
 Acetone
 Concen: 4.376 ug/l
 RT: 4.161 min Scan# 373
 Delta R.T. -0.006 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

Tgt Ion: 43 Resp: 2821

Ion	Ratio	Lower	Upper
43	100		
58	39.5	25.5	38.3

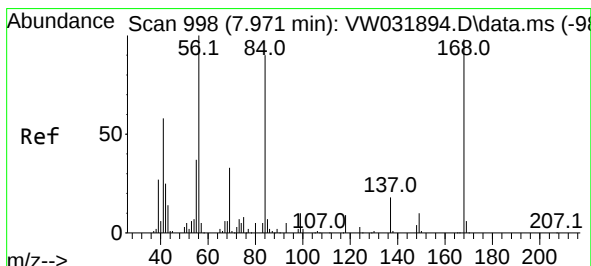
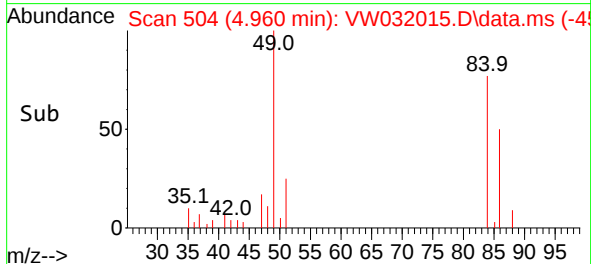
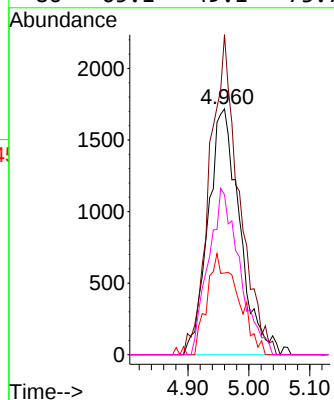
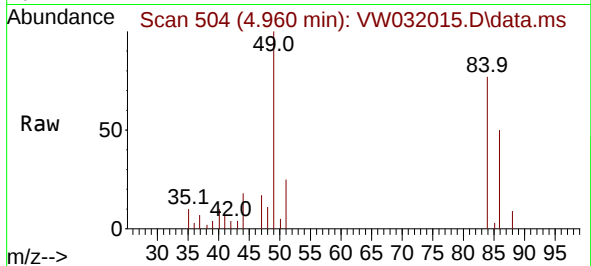




#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

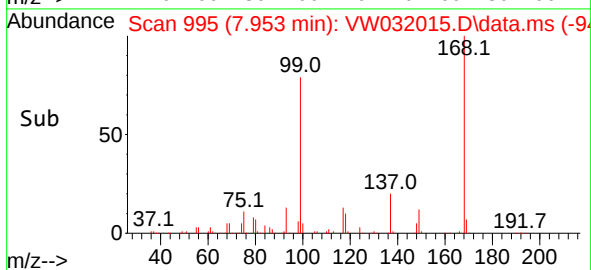
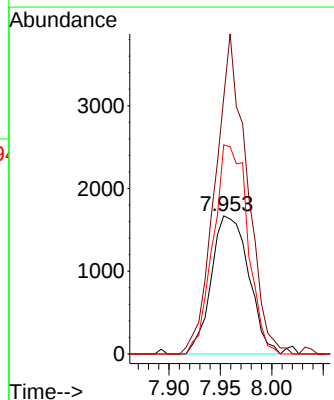
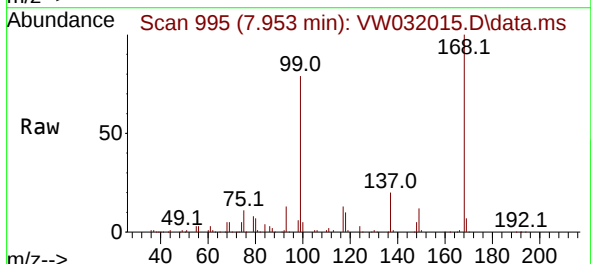
Instrument :
MSVOA_W
ClientSampleId :
224

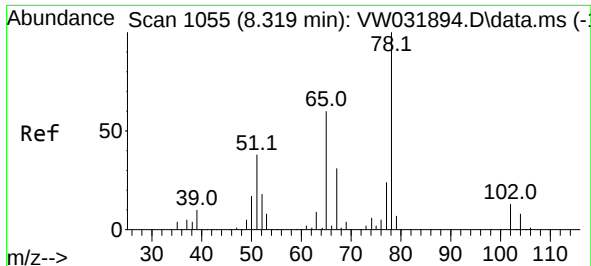
Tgt Ion:	84	Resp:	6187
Ion	Ratio	Lower	Upper
84	100		
49	130.2	91.9	137.9
51	33.2	29.0	43.6
86	65.1	49.1	73.7



#31
Cyclohexane
Concen: 1.010 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

Tgt Ion:	56	Resp:	4209
Ion	Ratio	Lower	Upper
56	100		
69	185.7	26.7	40.1#
84	151.4	71.8	107.6#

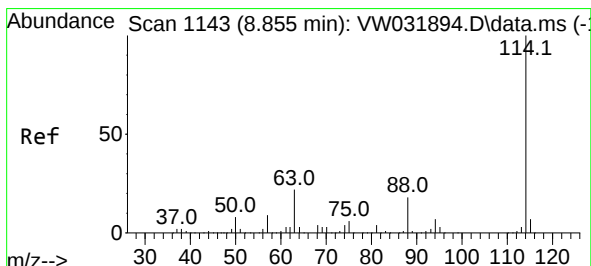
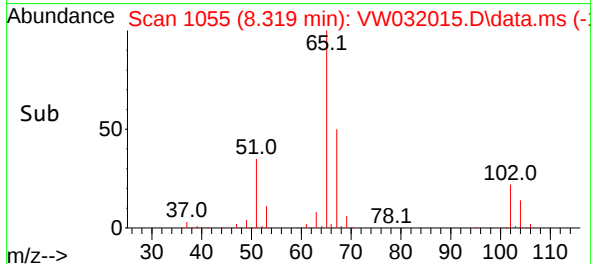
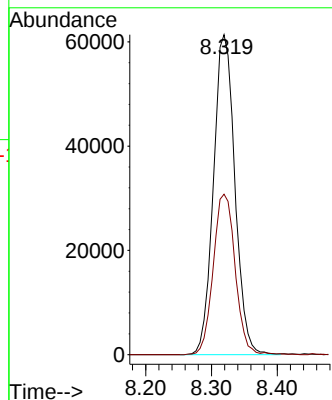
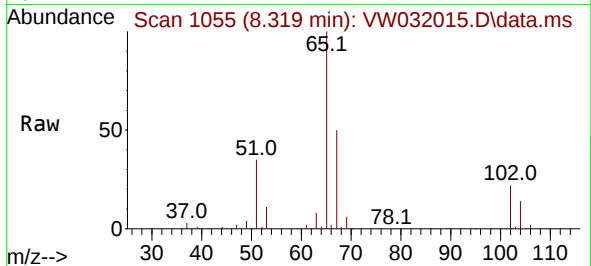




#33
 1,2-Dichloroethane-d4
 Concen: 51.282 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

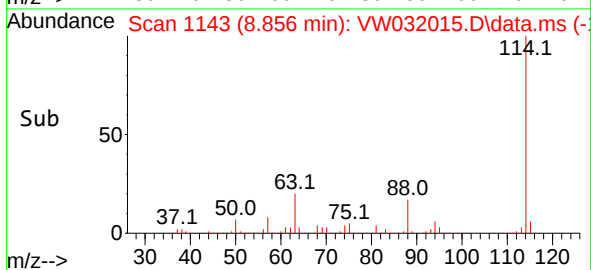
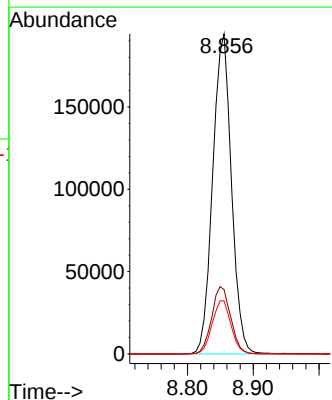
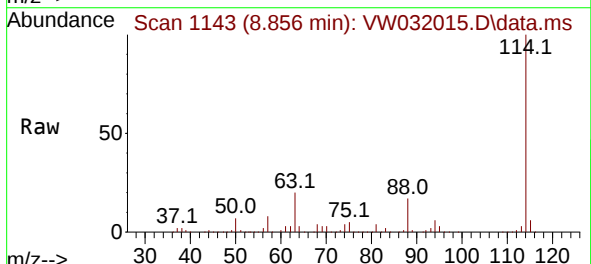
Instrument :
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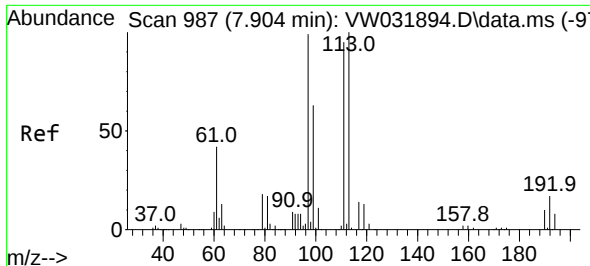
Tgt Ion: 65 Resp: 139325
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

Tgt Ion: 114 Resp: 385248
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.2
 88 16.6 0.0 35.6

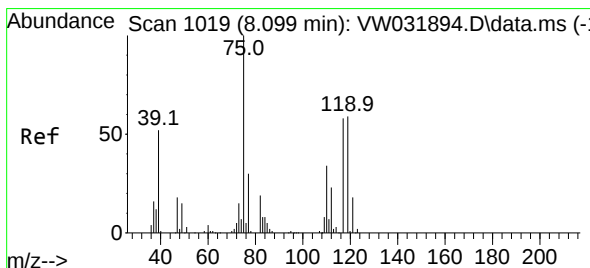
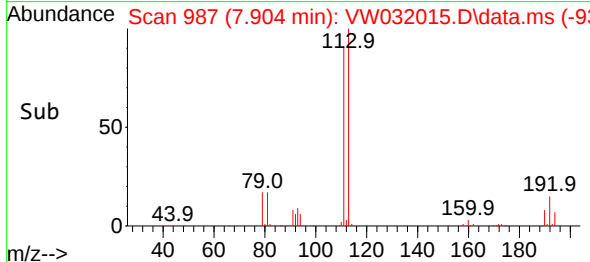
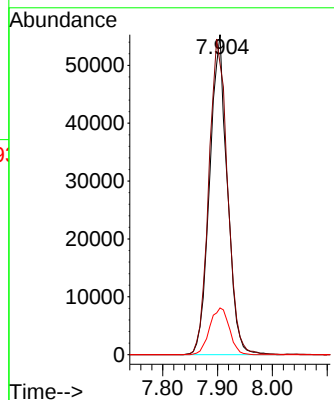
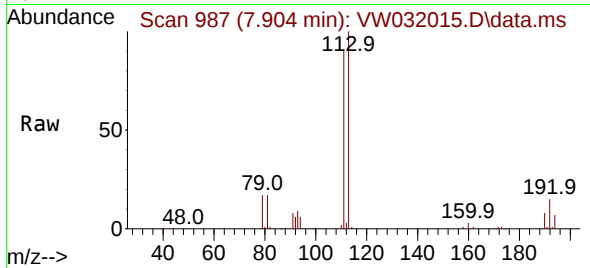




#35
 Dibromofluoromethane
 Concen: 47.029 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

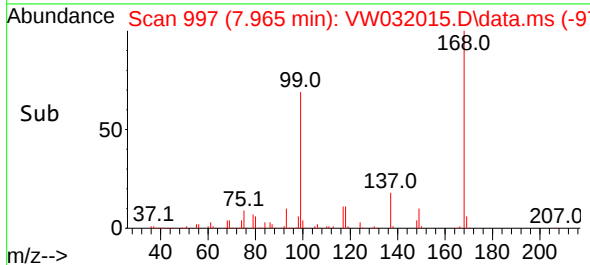
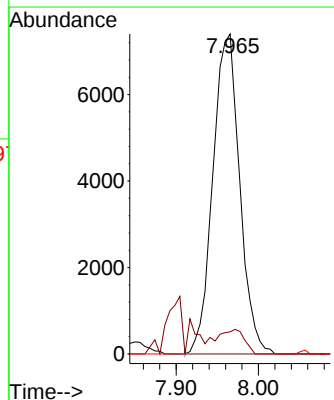
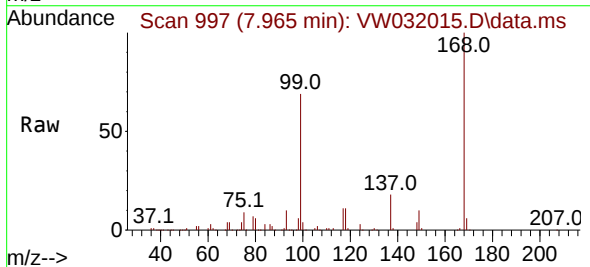
Instrument :
 MSVOA_W
 ClientSampleId :
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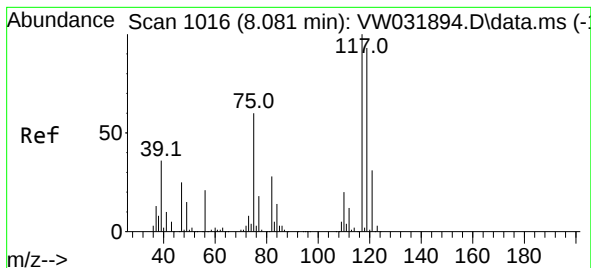
Tgt Ion:113	Resp:	123113	
Ion	Ratio	Lower	Upper
113	100		
111	104.8	79.9	119.9
192	16.3	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.175 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

Tgt Ion: 75	Resp:	16783	
Ion Ratio	Lower	Upper	
75 100			
110 6.6	17.0	50.9#	
77 0.0	25.1	37.7#	





#38

Carbon Tetrachloride

Concen: 5.539 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032015.D

Acq: 05 Aug 2025 16:04

Instrument :

MSVOA_W

ClientSampleId :

224

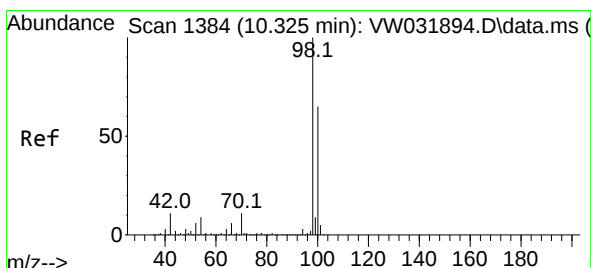
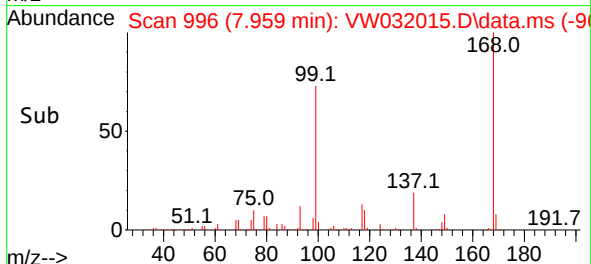
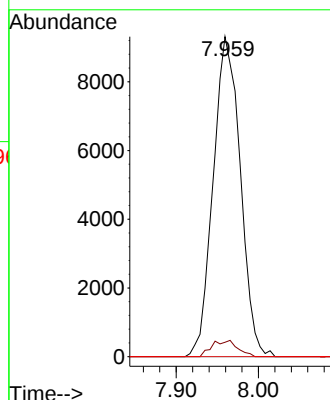
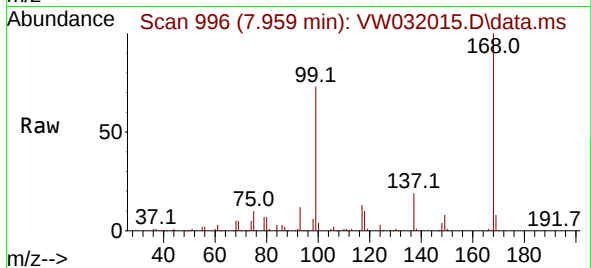
Tgt Ion:117 Resp: 21371

Ion Ratio Lower Upper

117 100

119 4.5 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 47.775 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032015.D

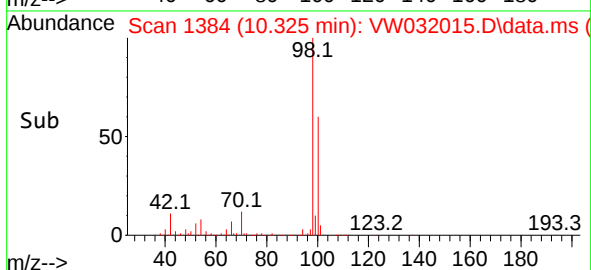
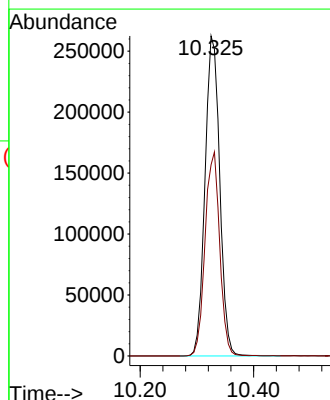
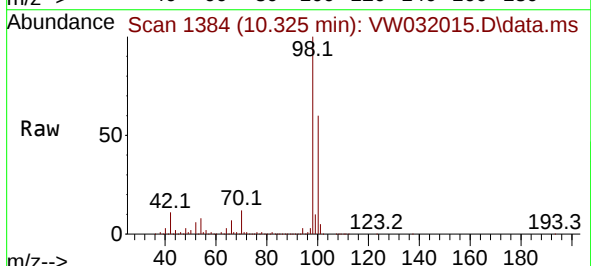
Acq: 05 Aug 2025 16:04

Tgt Ion: 98 Resp: 473338

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5

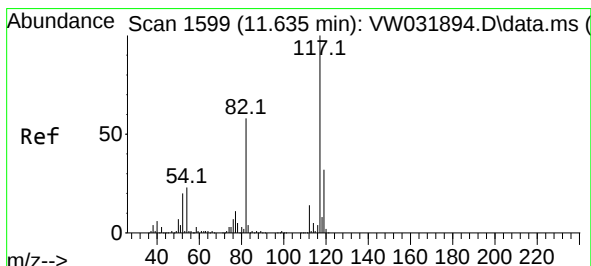
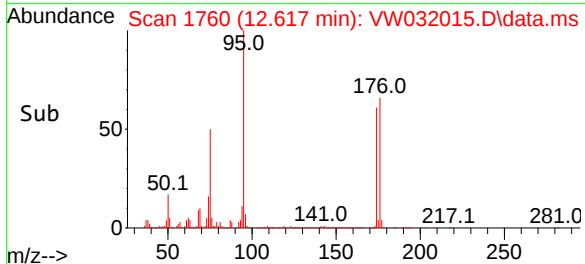
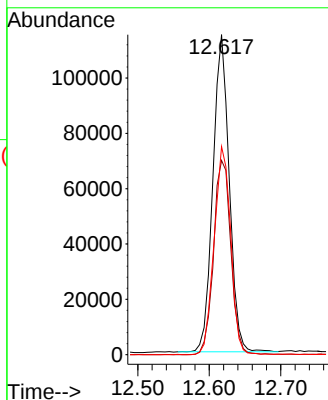
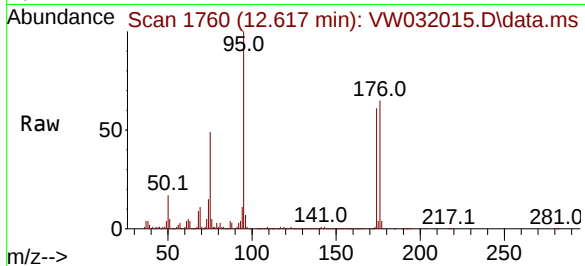




#62
4-Bromofluorobenzene
Concen: 47.741 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

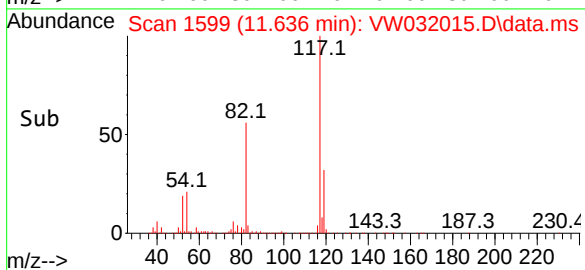
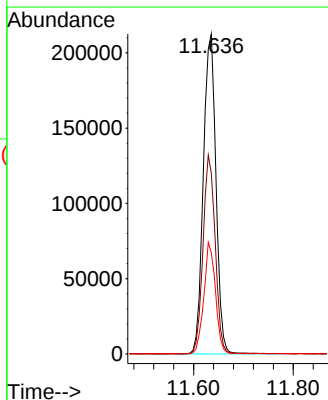
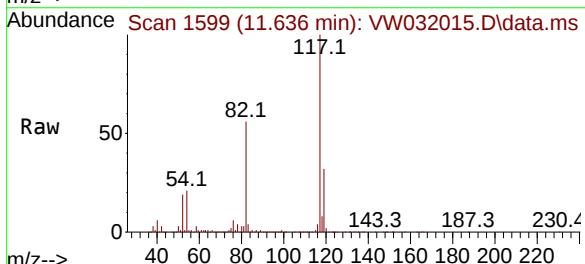
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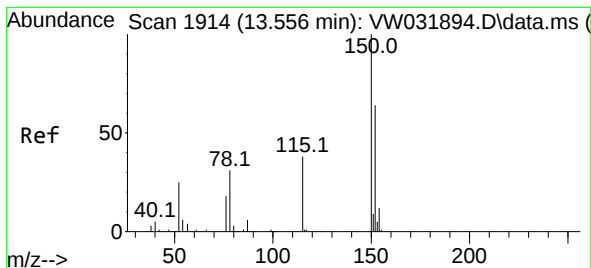
Tgt Ion: 95 Resp: 181623
Ion Ratio Lower Upper
95 100
174 64.8 0.0 129.8
176 66.6 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

Tgt Ion: 117 Resp: 373836
Ion Ratio Lower Upper
117 100
82 56.3 46.5 69.7
119 31.6 25.8 38.6

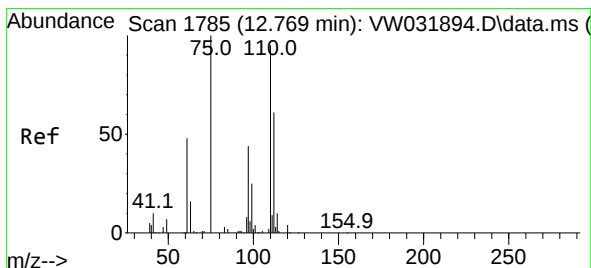
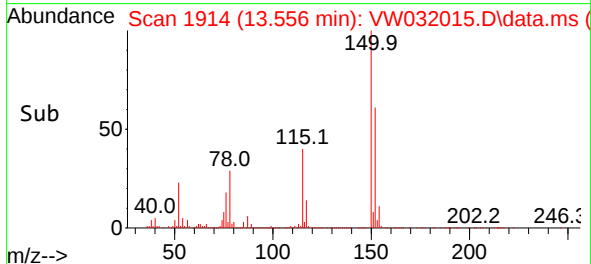
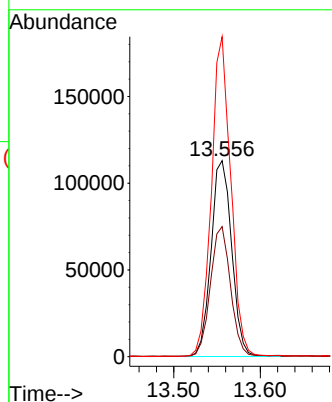
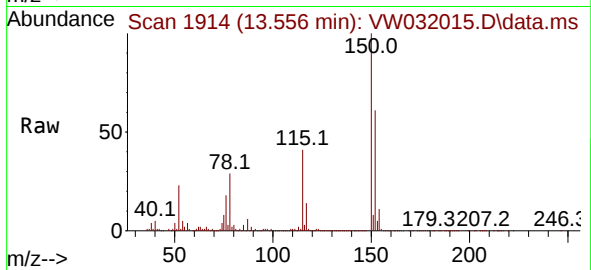




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

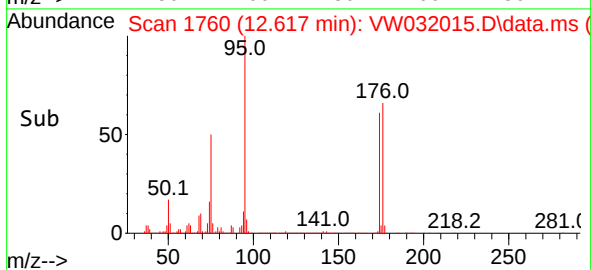
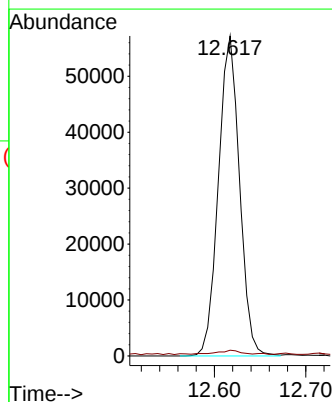
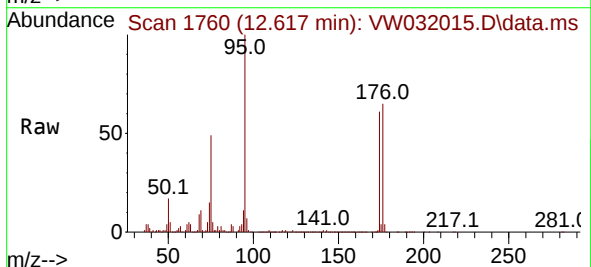
Instrument :
MSVOA_W
ClientSampleId :
224

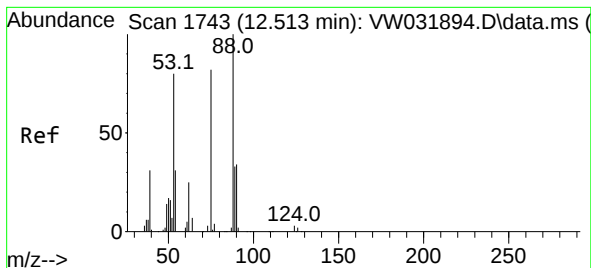
Tgt Ion:152 Resp: 186564
Ion Ratio Lower Upper
152 100
115 64.6 33.4 100.1
150 153.8 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 35.693 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032015.D
Acq: 05 Aug 2025 16:04

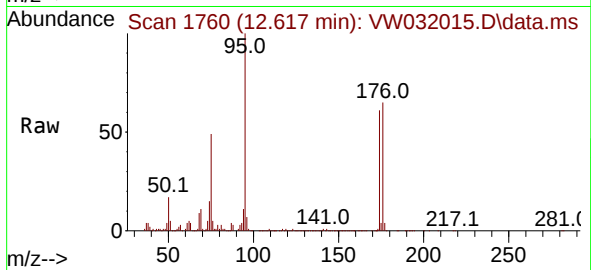
Tgt Ion: 75 Resp: 91937
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.404 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032015.D
 Acq: 05 Aug 2025 16:04

Instrument :
 MSVOA_W
 ClientSampleId :
 224



Tgt Ion: 75 Resp: 91937
 Ion Ratio Lower Upper
 75 100
 53 0.8 83.7 125.5#
 89 0.1 39.0 58.6#

