

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031911.D
 Acq On : 23 Jul 2025 14:24
 Operator : SY/MD
 Sample : Q2677-03
 Misc : 5.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-07222025

Quant Time: Jul 24 02:53:17 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)

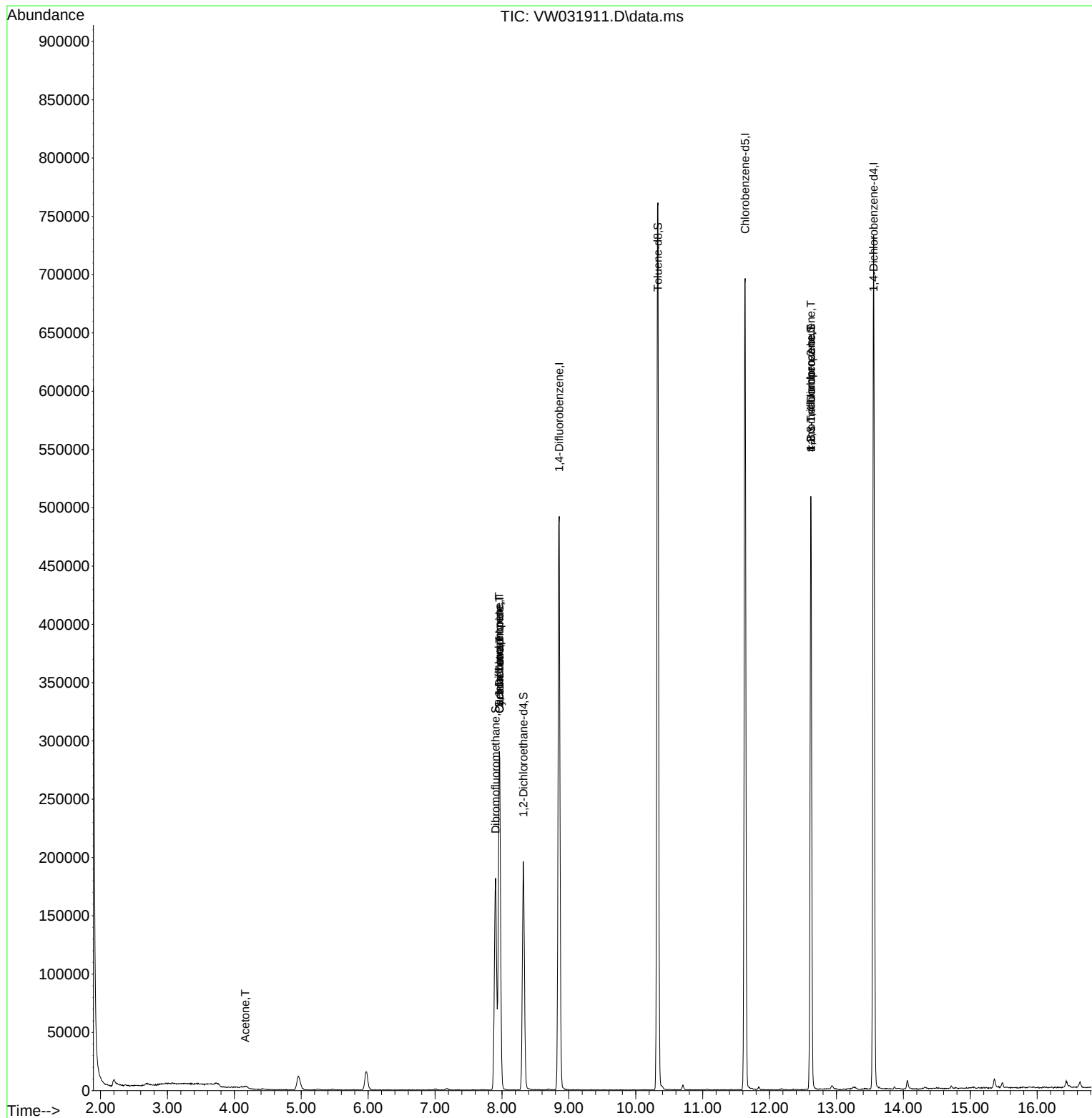
Internal Standards						
1) Pentafluorobenzene	7.959	168	198194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	413379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	377021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	159979	53.359	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 106.720%		
35) Dibromofluoromethane	7.904	113	134798	47.988	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.980%		
50) Toluene-d8	10.331	98	513202	48.274	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.540%		
62) 4-Bromofluorobenzene	12.617	95	189441	46.407	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.820%		
Target Compounds						Qvalue
13) Acrolein	3.960	56	20	Below Cal	#	1
16) Acetone	4.161	43	1273	1.789	ug/l	89
20) Methylene Chloride	4.954	84	10723	Below Cal		98
31) Cyclohexane	7.965	56	5091	1.107	ug/l #	8
36) 1,1-Dichloropropene	7.959	75	19414	4.500	ug/l #	49
38) Carbon Tetrachloride	7.965	117	23684	5.721	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	97169	37.518	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	97169	86.617	ug/l #	8

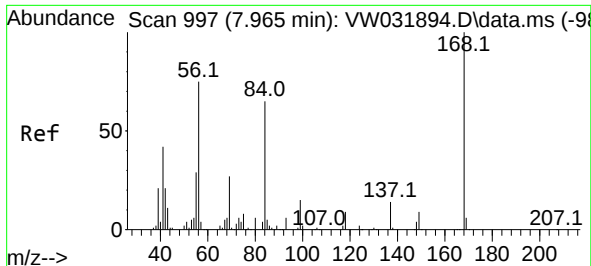
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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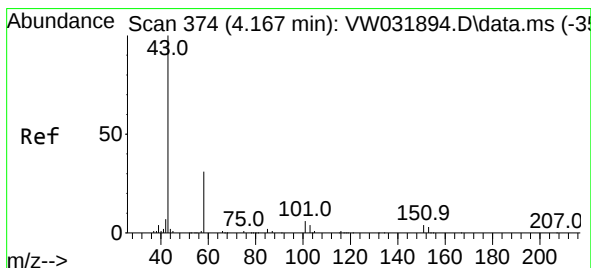
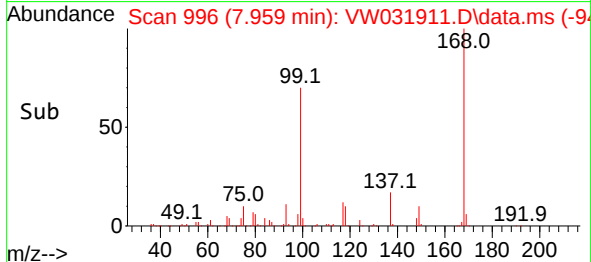
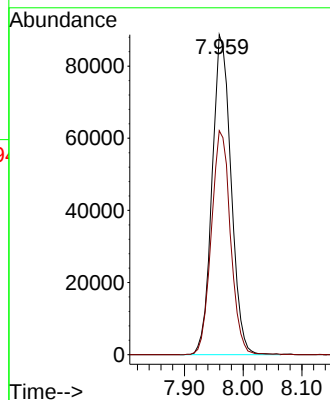
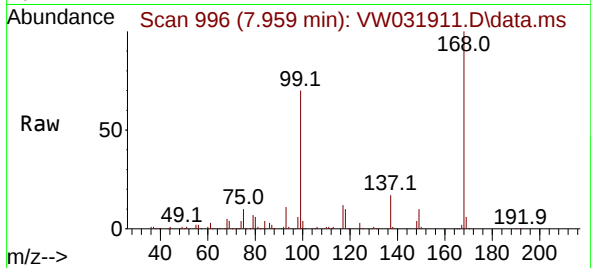




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

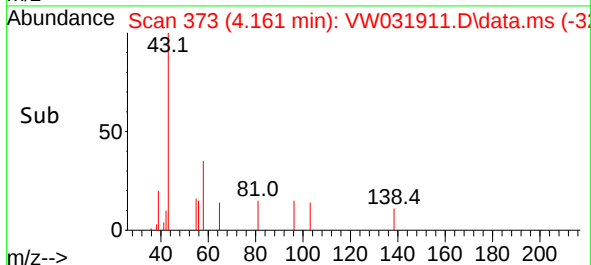
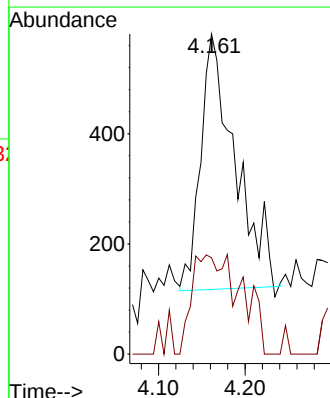
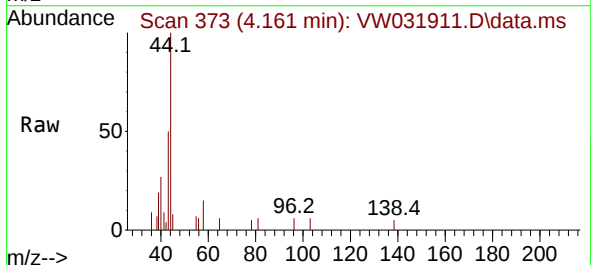
Instrument :
MSVOA_W
ClientSampleId :
OK-03-07222025

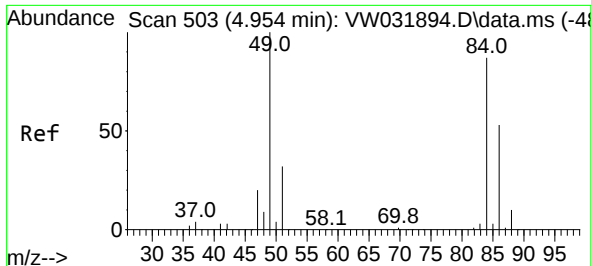
Tgt Ion:168 Resp: 198194
Ion Ratio Lower Upper
168 100
99 70.0 48.2 72.2



#16
Acetone
Concen: 1.789 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 38.2 25.5 38.3

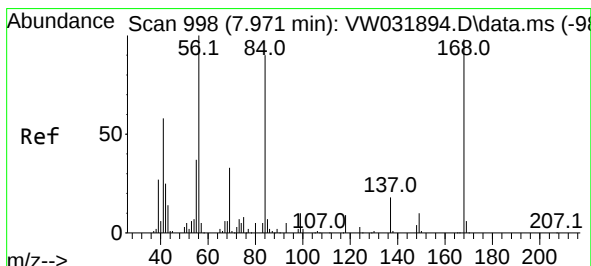
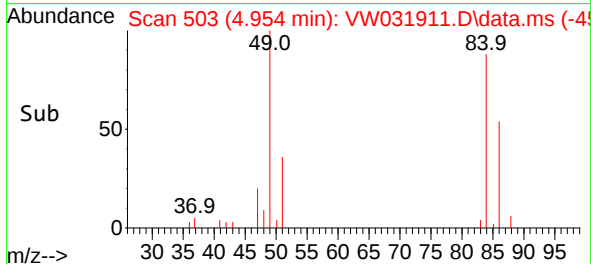
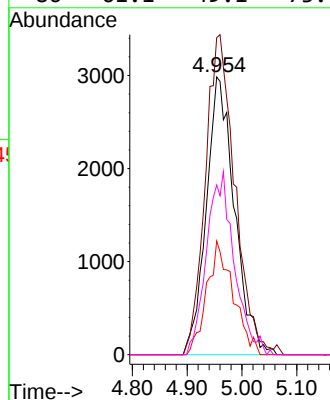
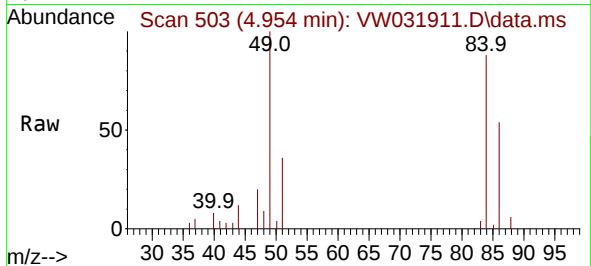




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

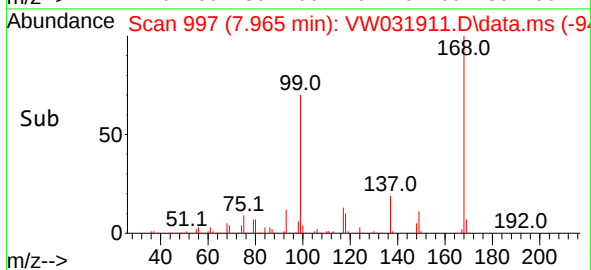
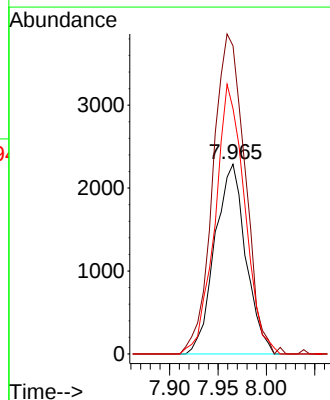
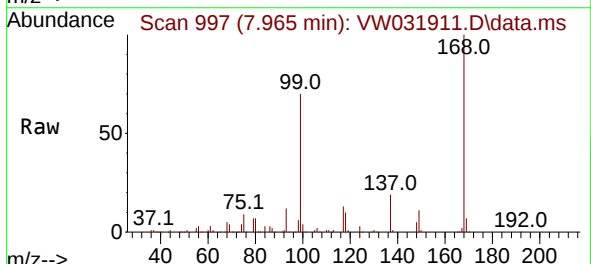
Instrument :
MSVOA_W
ClientSampleId :
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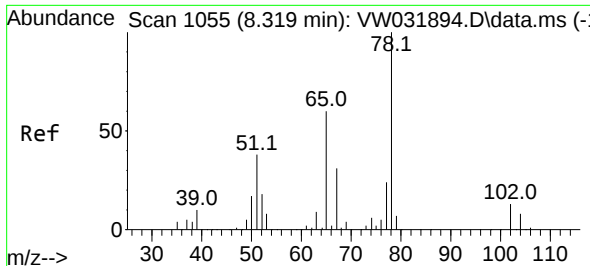
Tgt Ion:	84	Resp:	10723
Ion	Ratio	Lower	Upper
84	100		
49	114.1	91.9	137.9
51	40.9	29.0	43.6
86	61.1	49.1	73.7



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion:	56	Resp:	5091
Ion	Ratio	Lower	Upper
56	100		
69	162.5	26.7	40.1#
84	129.4	71.8	107.6#

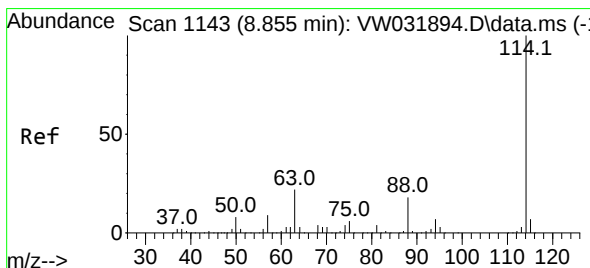
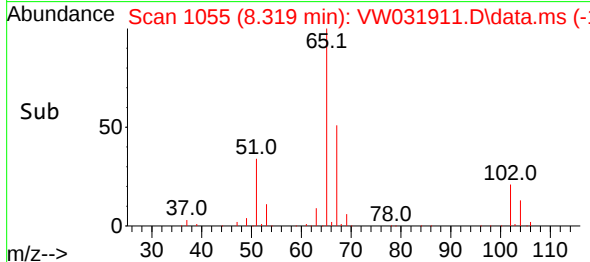
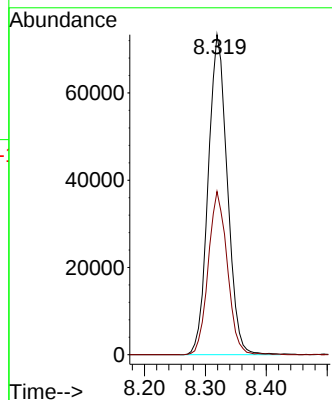
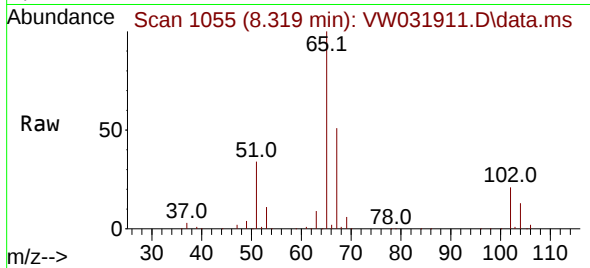




#33
 1,2-Dichloroethane-d4
 Concen: 53.359 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031911.D
 Acq: 23 Jul 2025 14:24

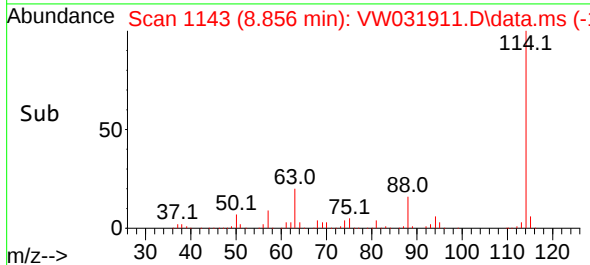
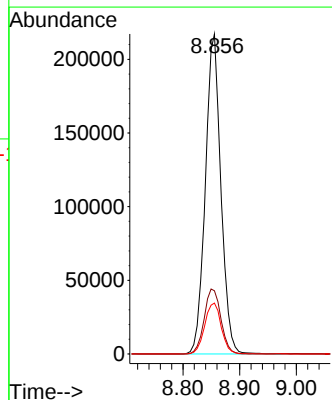
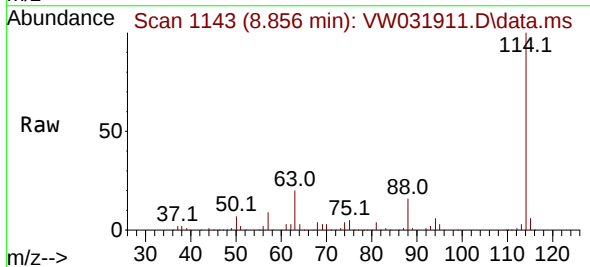
Instrument :
 MSVOA_W
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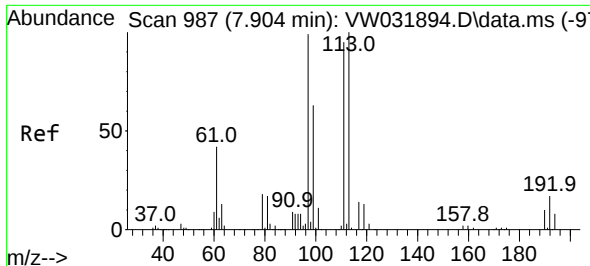
Tgt Ion: 65 Resp: 159979
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW031911.D
 Acq: 23 Jul 2025 14:24

Tgt Ion: 114 Resp: 413379
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.2
 88 15.9 0.0 35.6

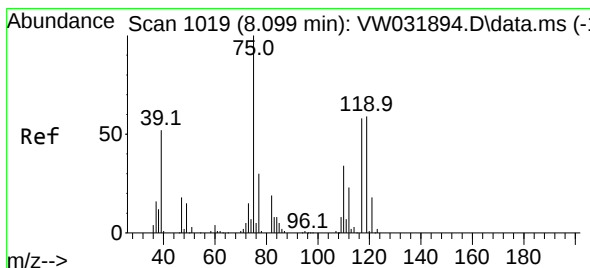
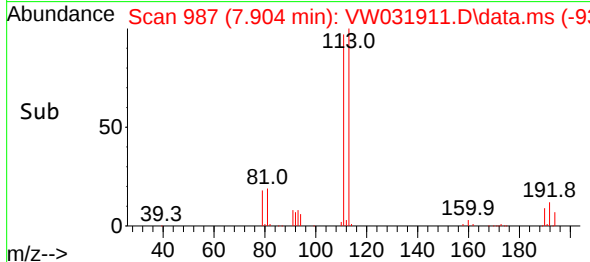
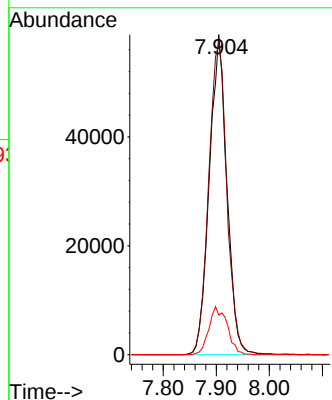
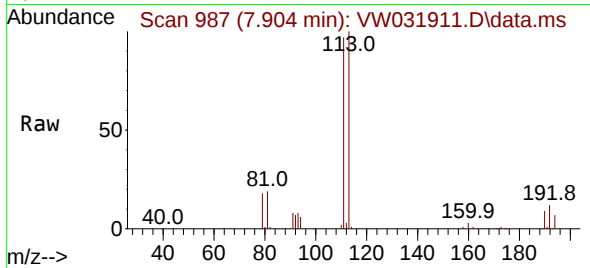




#35
Dibromofluoromethane
Concen: 47.988 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

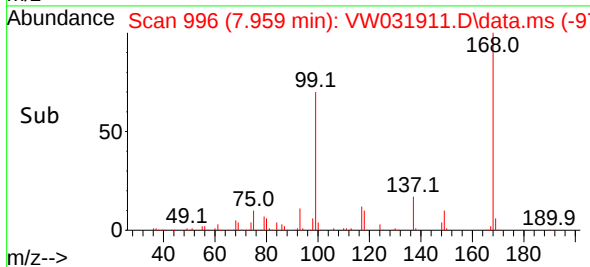
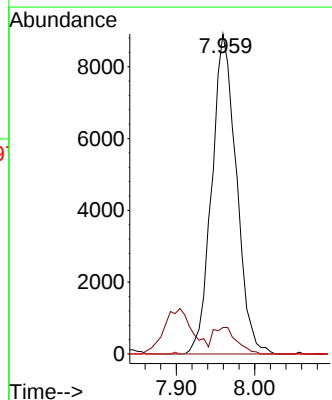
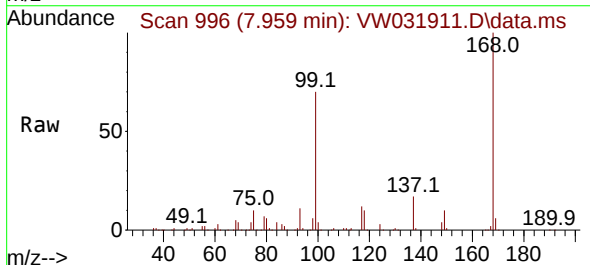
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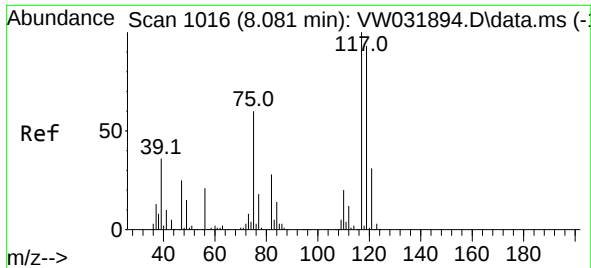
Tgt Ion:113 Resp: 134798
Ion Ratio Lower Upper
113 100
111 101.7 79.9 119.9
192 15.8 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.500 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 75 Resp: 19414
Ion Ratio Lower Upper
75 100
110 7.9 17.0 50.9#
77 0.0 25.1 37.7#

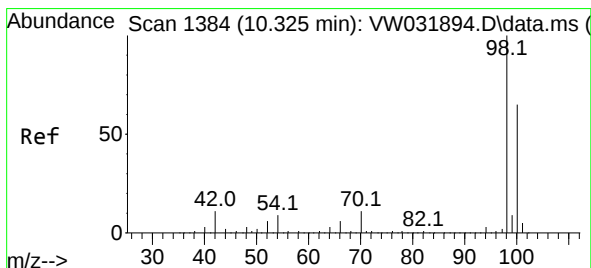
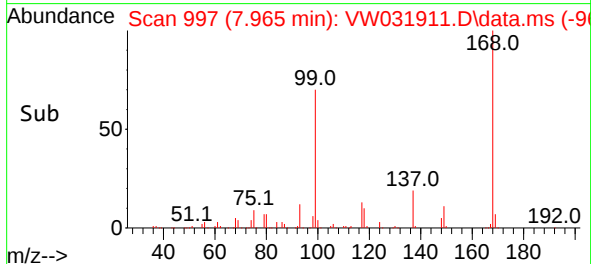
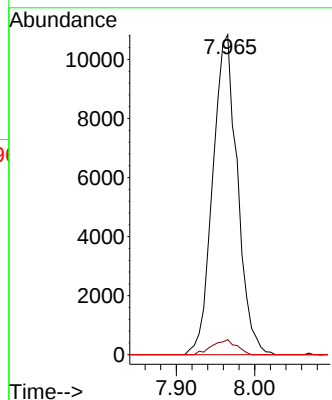
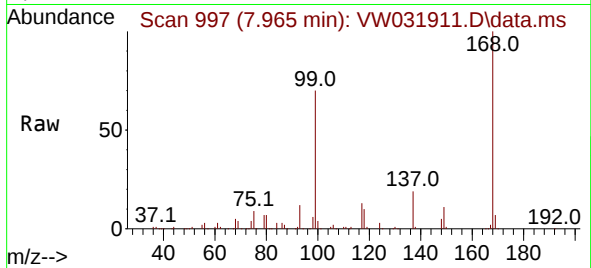




#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 7.965 min Scan# 991
Delta R.T. -0.116 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

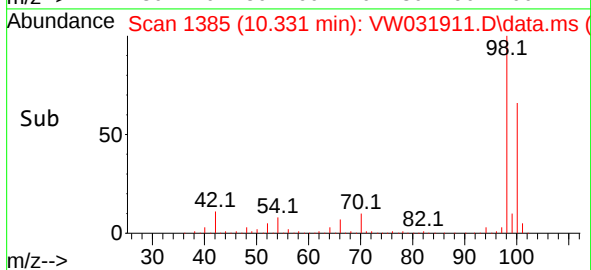
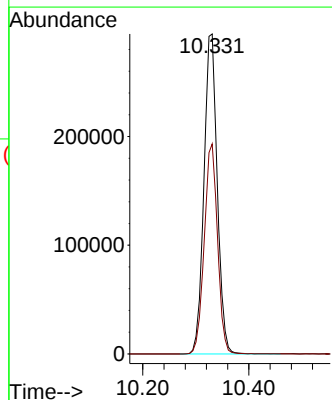
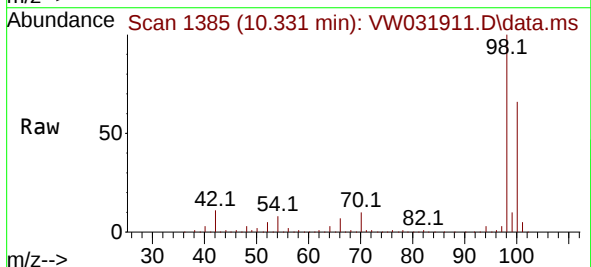
Instrument :
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ClientSampleId :
OK-03-07222025

Tgt Ion:117 Resp: 23684
Ion Ratio Lower Upper
117 100
119 4.7 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.274 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 98 Resp: 513202
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5

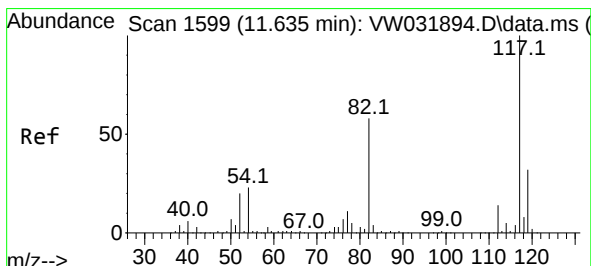
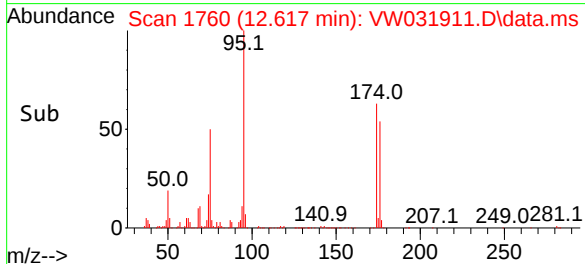
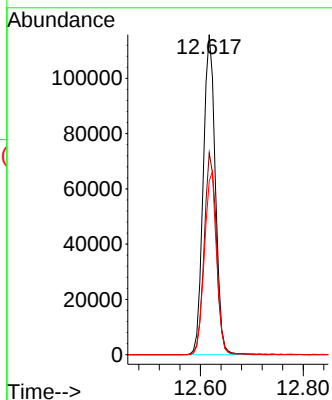
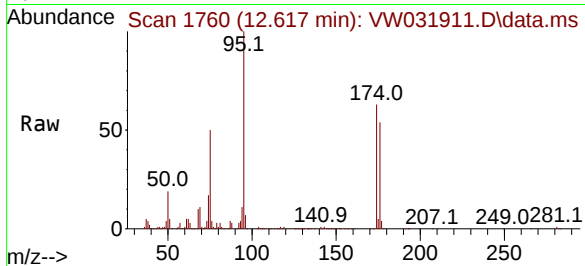




#62
4-Bromofluorobenzene
Concen: 46.407 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

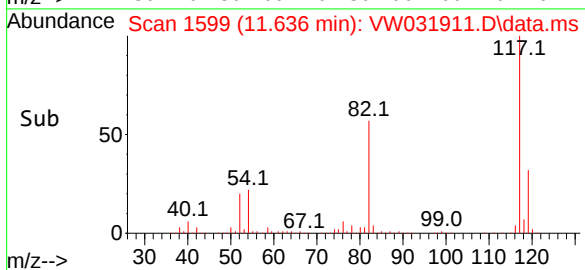
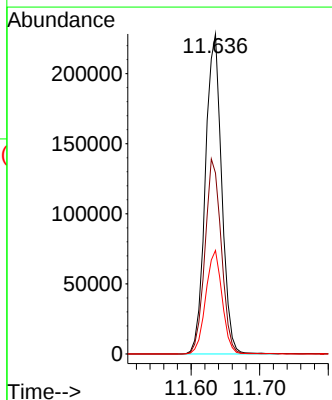
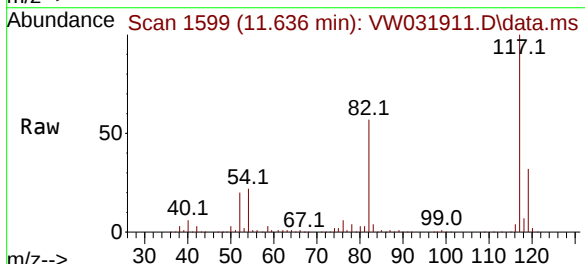
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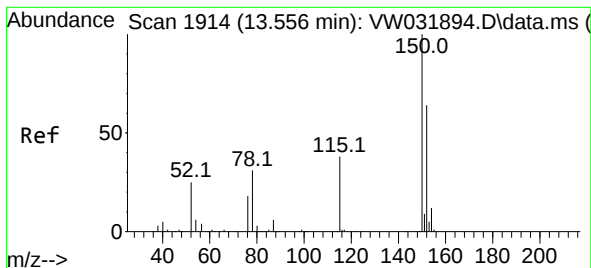
Tgt Ion: 95 Resp: 189441
Ion Ratio Lower Upper
95 100
174 63.0 0.0 129.8
176 58.0 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031911.D
Acq: 23 Jul 2025 14:24

Tgt Ion: 117 Resp: 377021
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.3 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: VW031911.D

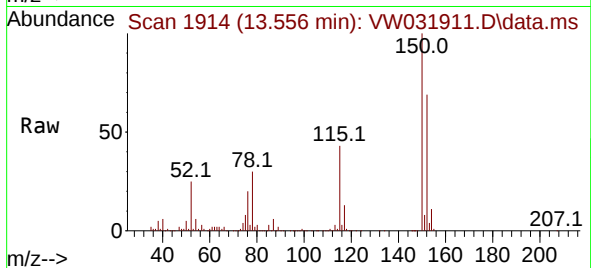
Acq: 23 Jul 2025 14:24

Instrument :

MSVOA_W

ClientSampleId :

OK-03-07222025



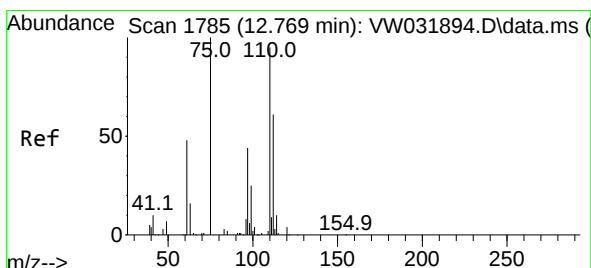
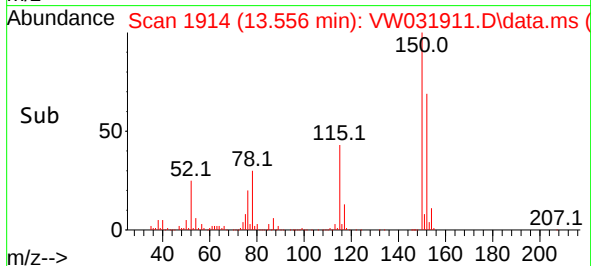
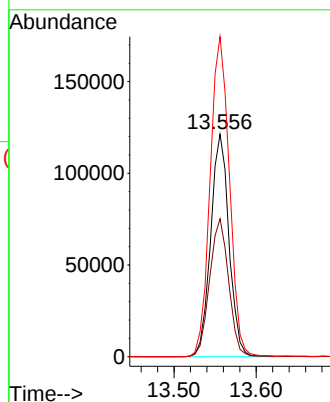
Tgt Ion:152 Resp: 187590

Ion Ratio Lower Upper

152 100

115 64.3 33.4 100.1

150 151.3 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 37.518 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW031911.D

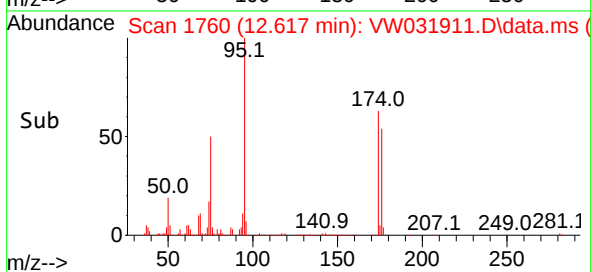
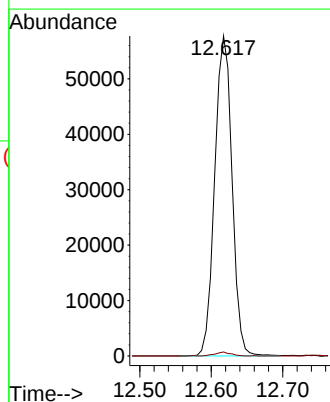
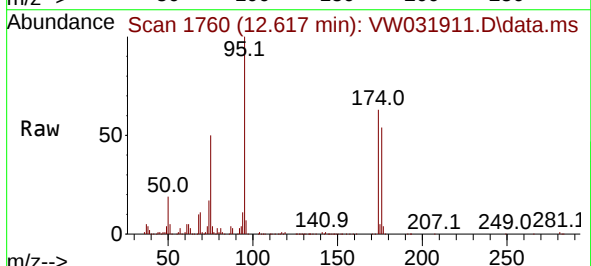
Acq: 23 Jul 2025 14:24

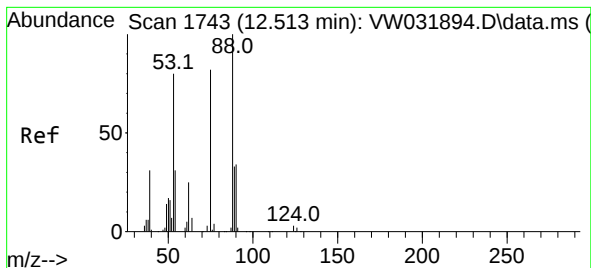
Tgt Ion: 75 Resp: 97169

Ion Ratio Lower Upper

75 100

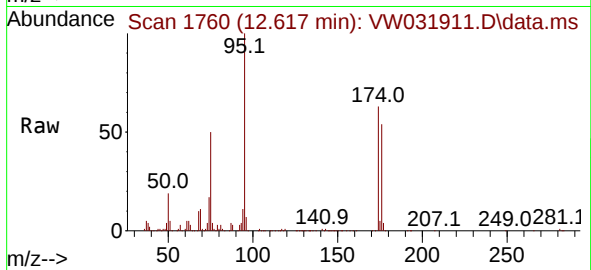
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.617 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW031911.D
 Acq: 23 Jul 2025 14:24

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-03-07222025



Tgt Ion: 75 Resp: 97169
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

