

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031976.D
 Acq On : 01 Aug 2025 11:34
 Operator : SY/MD
 Sample : Q2740-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-07312025

Quant Time: Aug 01 23:10:41 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	141439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	301033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	289272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	143366	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116211	54.314	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.620%
35) Dibromofluoromethane	7.904	113	101034	49.392	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.780%
50) Toluene-d8	10.325	98	376471	48.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.260%
62) 4-Bromofluorobenzene	12.617	95	131240	44.148	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.300%

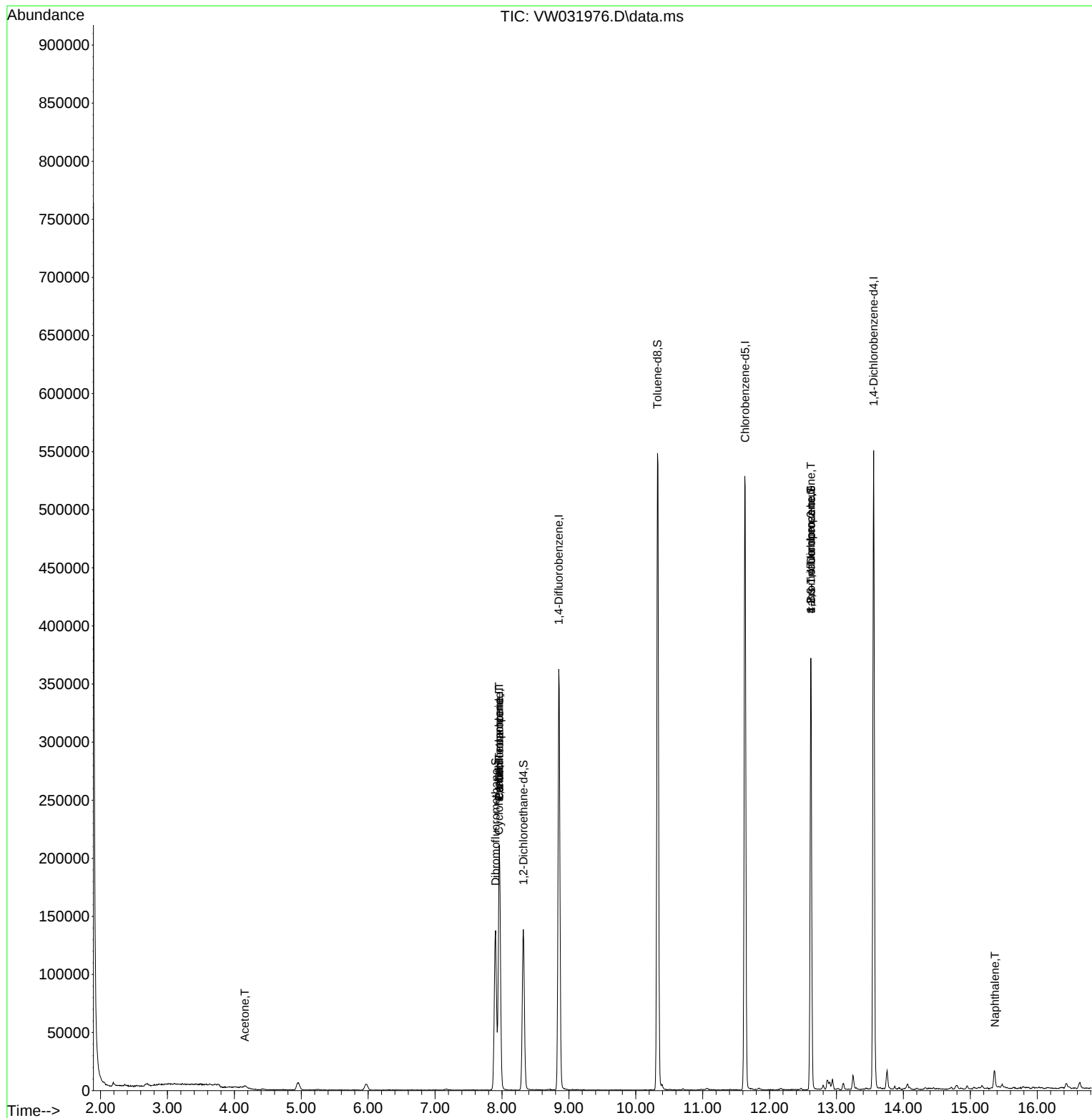
Target Compounds					Qvalue	
13) Acrolein	3.923	56	114	Below Cal	#	39
16) Acetone	4.155	43	968	1.907	ug/l #	79
20) Methylene Chloride	4.948	84	5295	Below Cal	#	94
31) Cyclohexane	7.953	56	3599	1.097	ug/l #	15
36) 1,1-Dichloropropene	7.959	75	13394	4.264	ug/l #	51
38) Carbon Tetrachloride	7.959	117	15872	5.265	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	68917	34.817	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	68917	80.384	ug/l #	8
95) Naphthalene	15.367	128	14016	1.904	ug/l	98

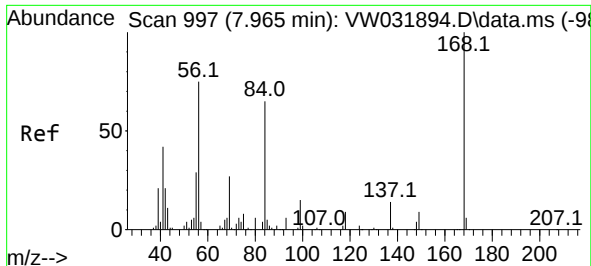
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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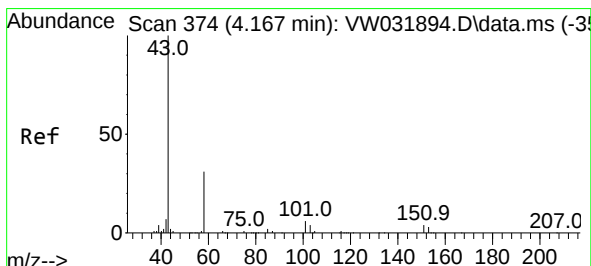
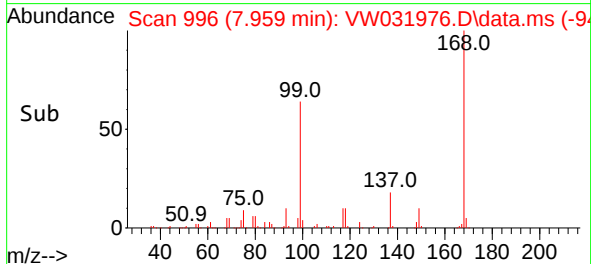
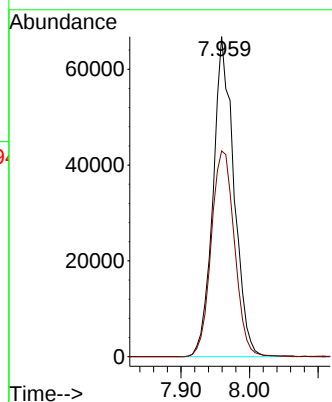
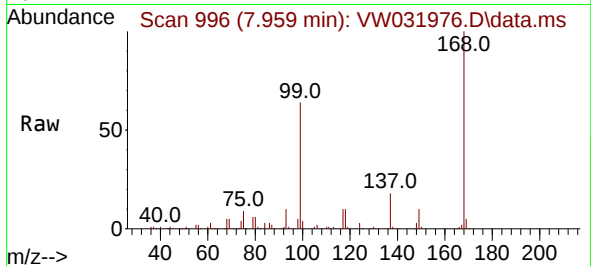




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

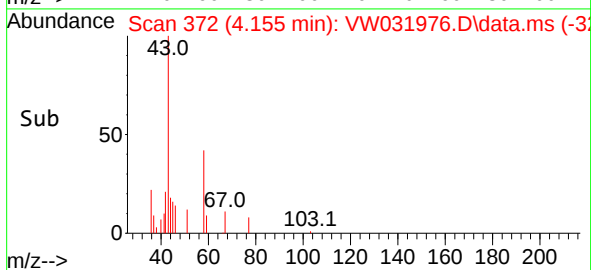
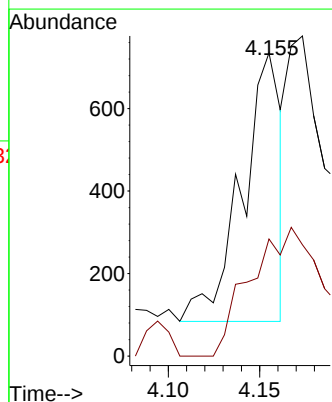
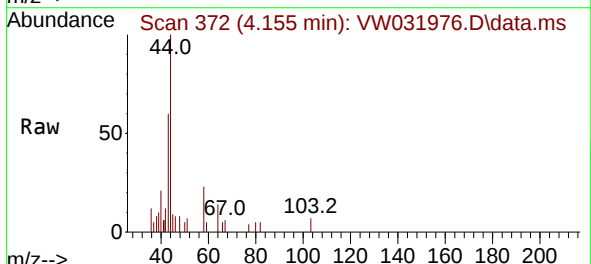
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MSVOA_W
ClientSampleId :
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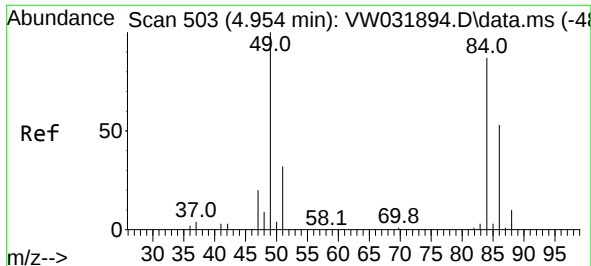
Tgt Ion:168 Resp: 141439
Ion Ratio Lower Upper
168 100
99 64.3 48.2 72.2



#16
Acetone
Concen: 1.907 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 43.6 25.5 38.3#

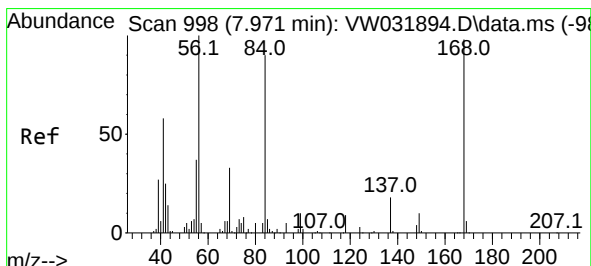
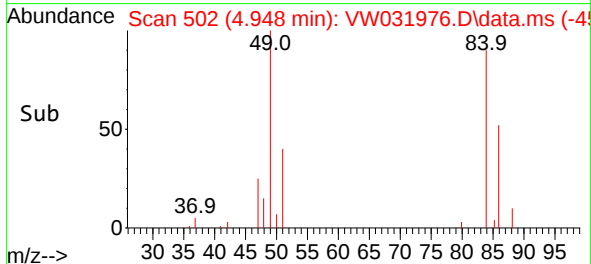
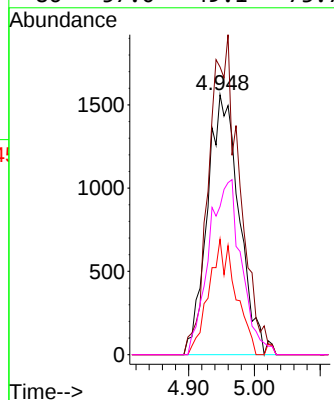
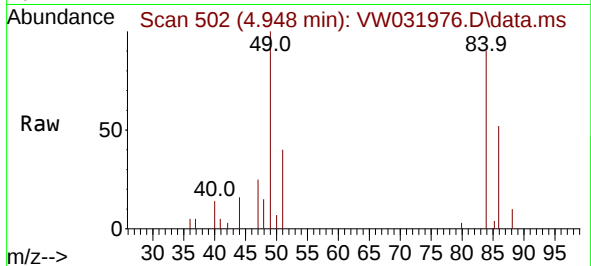




#20
Methylene Chloride
Concen: Below Cal
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

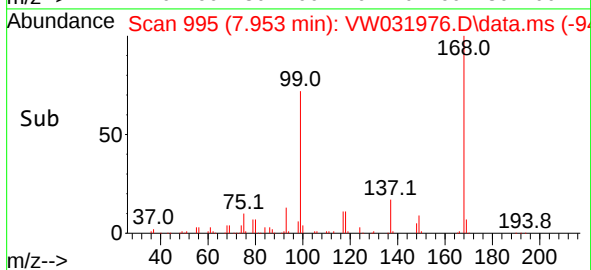
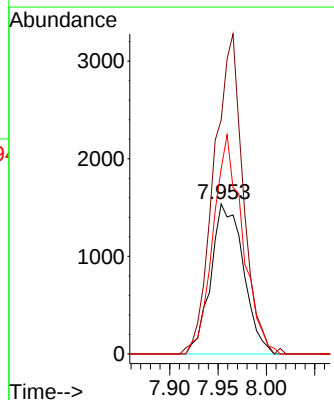
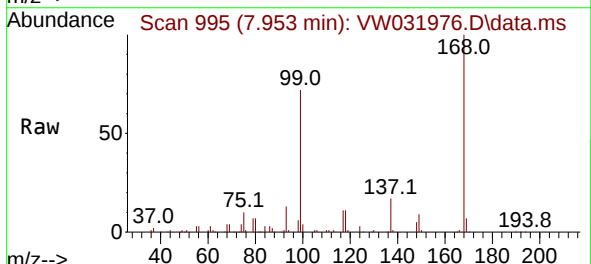
Instrument :
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ClientSampleId :
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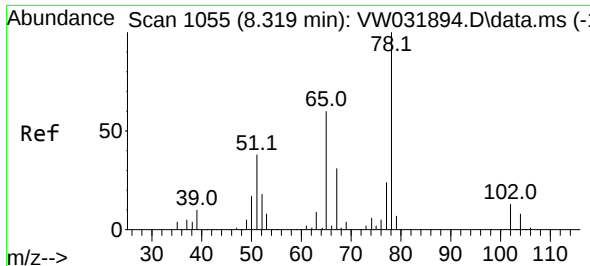
Tgt Ion:	84	Resp:	5295
Ion	Ratio	Lower	Upper
84	100		
49	110.7	91.9	137.9
51	44.5	29.0	43.6#
86	57.0	49.1	73.7



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Tgt Ion:	56	Resp:	3599
Ion	Ratio	Lower	Upper
56	100		
69	156.0	26.7	40.1#
84	123.4	71.8	107.6#

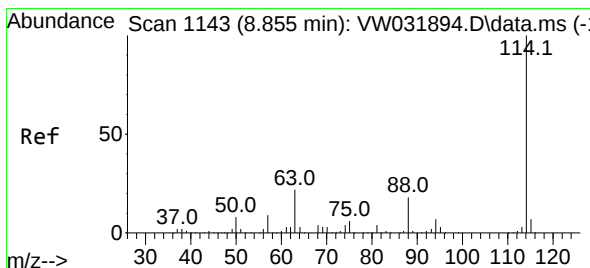
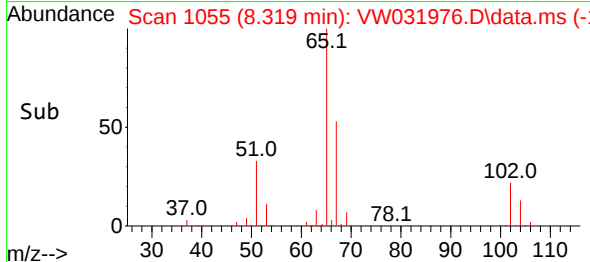
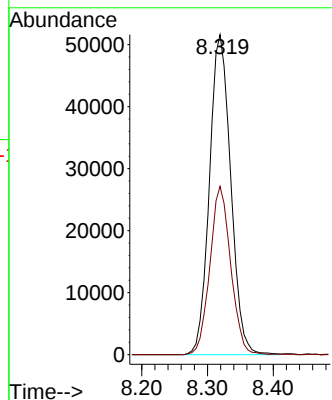
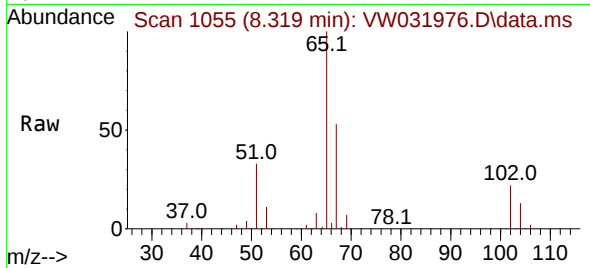




#33
 1,2-Dichloroethane-d4
 Concen: 54.314 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031976.D
 Acq: 01 Aug 2025 11:34

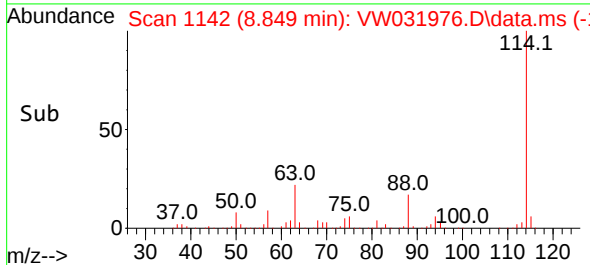
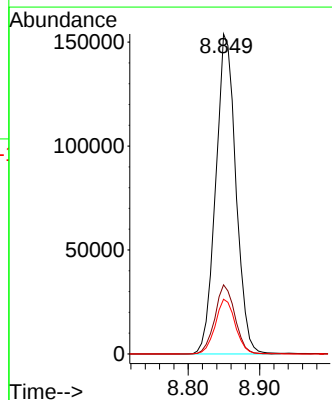
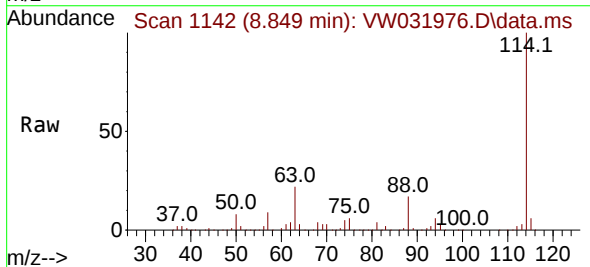
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-07312025

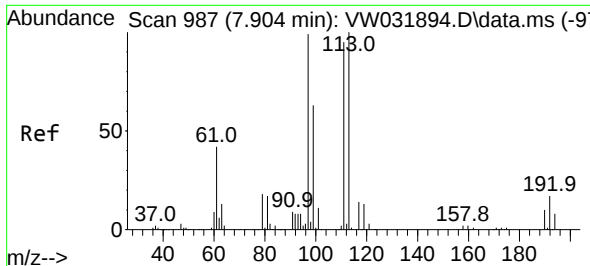
Tgt Ion: 65 Resp: 116211
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031976.D
 Acq: 01 Aug 2025 11:34

Tgt Ion: 114 Resp: 301033
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 17.1 0.0 35.6

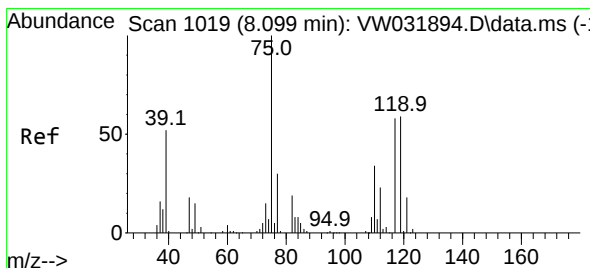
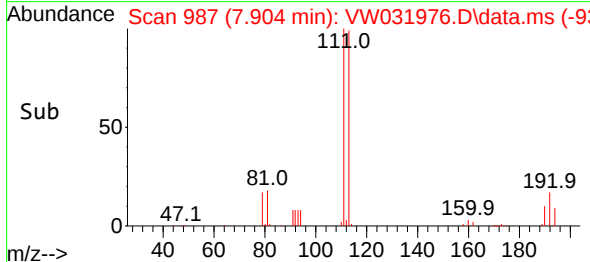
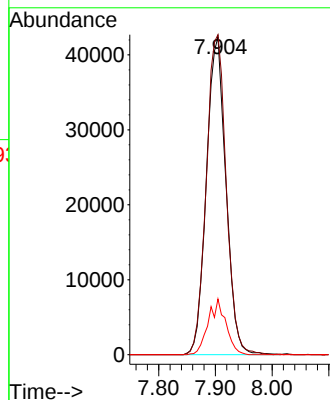
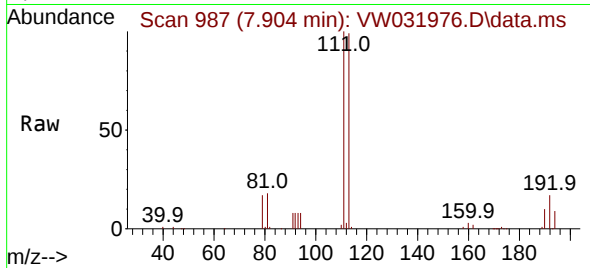




#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

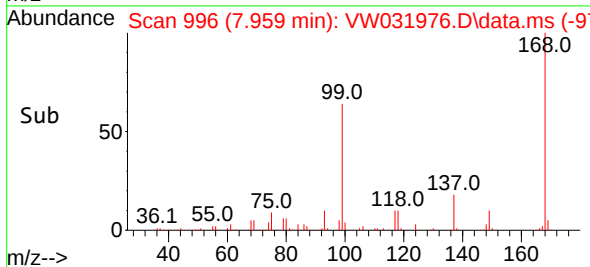
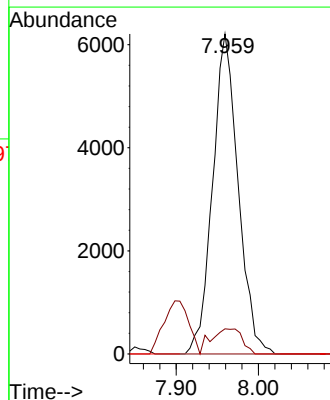
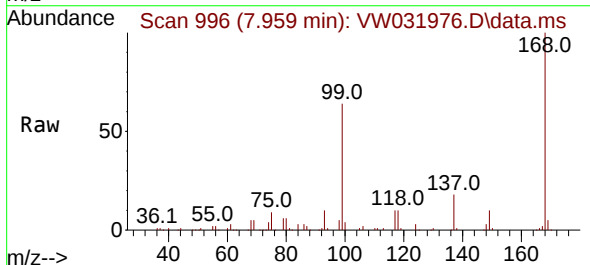
Instrument :
MSVOA_W
ClientSampleId :
OR-02-07312025

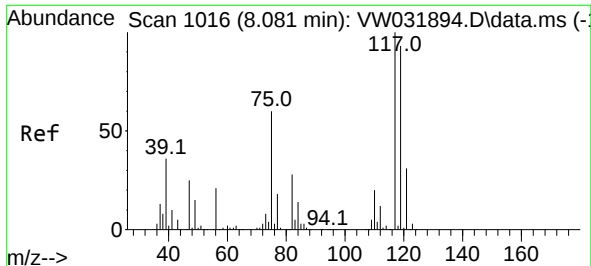
Tgt Ion: 113 Resp: 101034
Ion Ratio Lower Upper
113 100
111 103.1 79.9 119.9
192 16.0 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.264 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

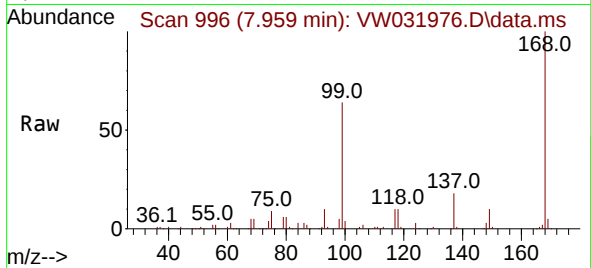
Tgt Ion: 75 Resp: 13394
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 25.1 37.7#



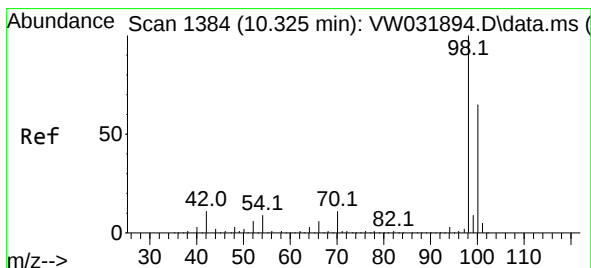
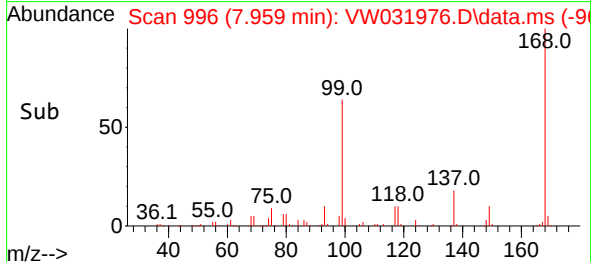
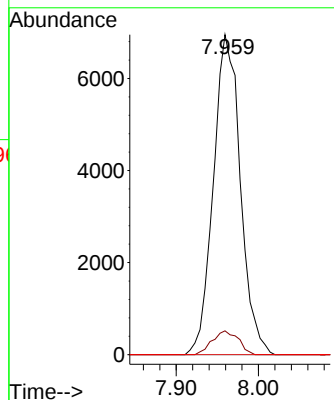


#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Instrument :
MSVOA_W
ClientSampleId :
OR-02-07312025

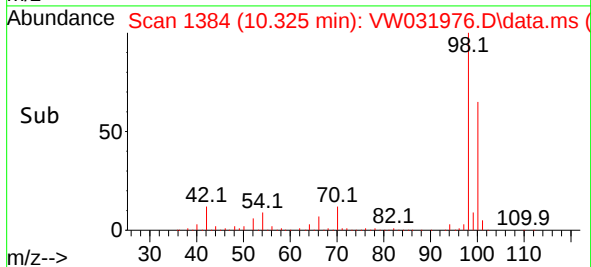
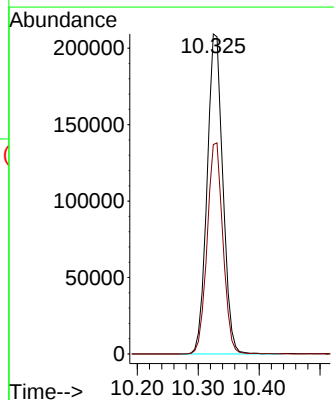
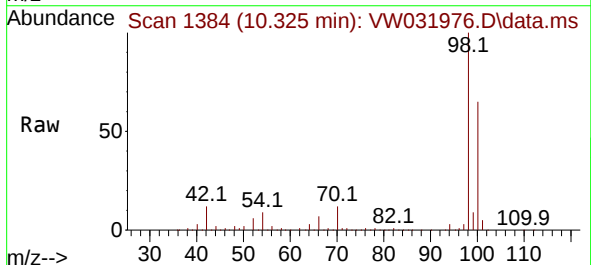


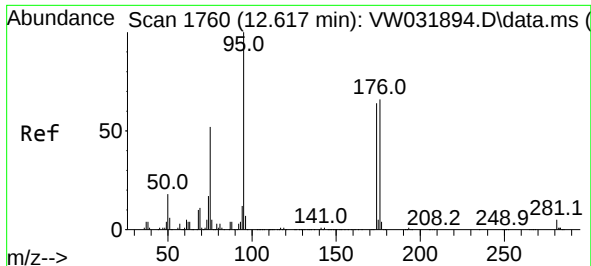
Tgt Ion: 117 Resp: 15872
Ion Ratio Lower Upper
117 100
119 7.4 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 48.628 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Tgt Ion: 98 Resp: 376471
Ion Ratio Lower Upper
98 100
100 65.9 51.7 77.5

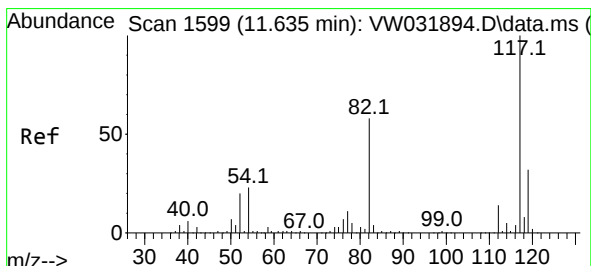
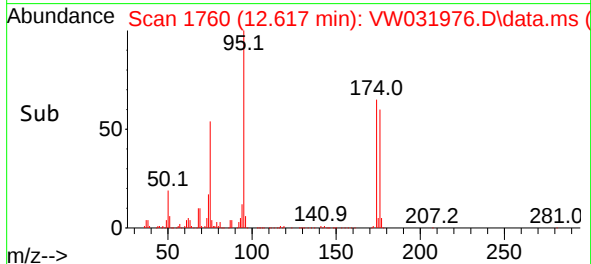
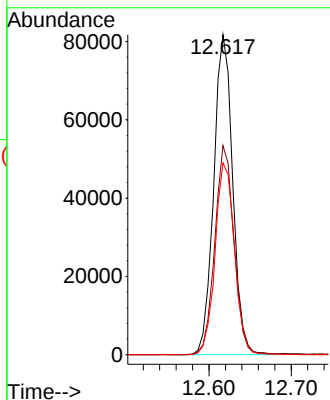
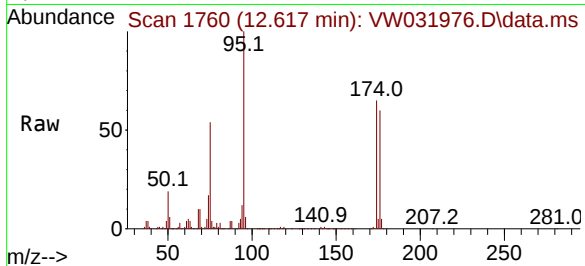




#62
4-Bromofluorobenzene
Concen: 44.148 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

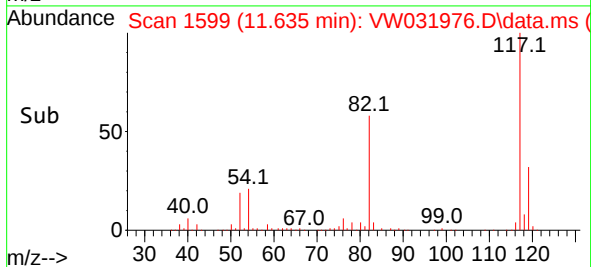
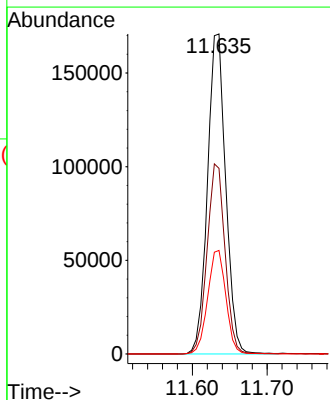
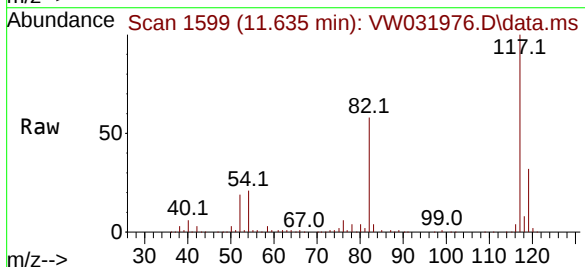
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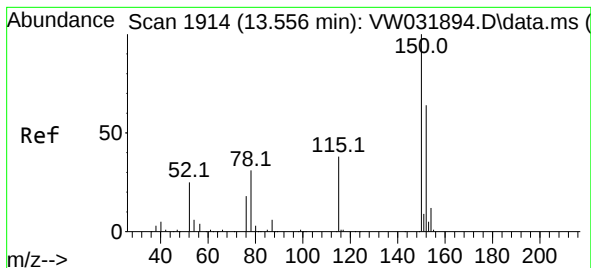
Tgt Ion: 95 Resp: 131240
Ion Ratio Lower Upper
95 100
174 66.1 0.0 129.8
176 61.2 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Tgt Ion: 117 Resp: 289272
Ion Ratio Lower Upper
117 100
82 58.0 46.5 69.7
119 32.3 25.8 38.6

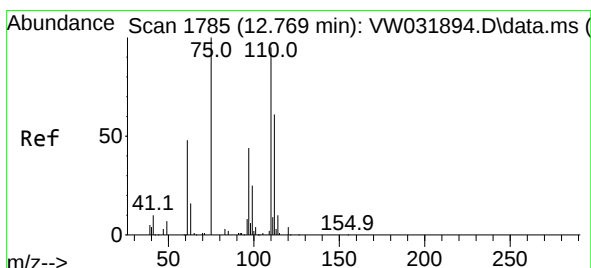
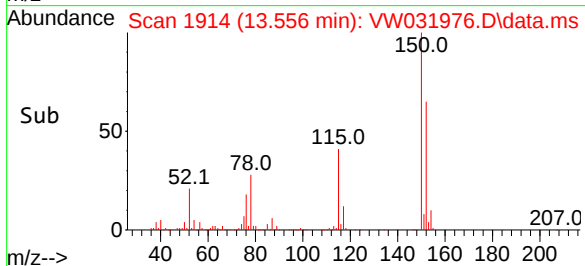
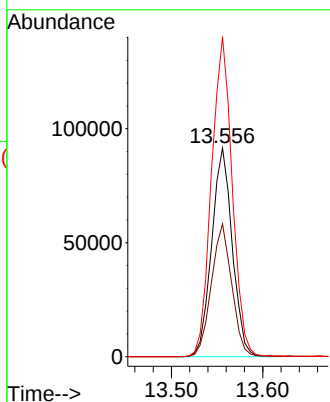
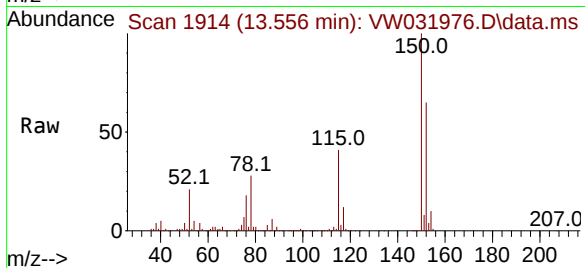




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031976.D
 Acq: 01 Aug 2025 11:34

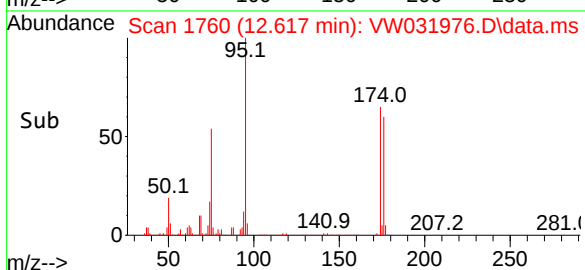
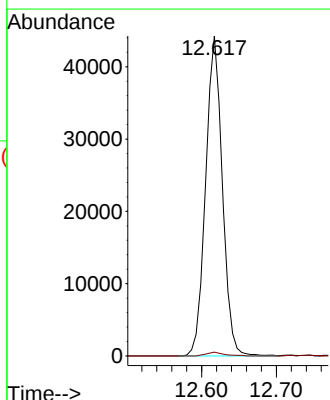
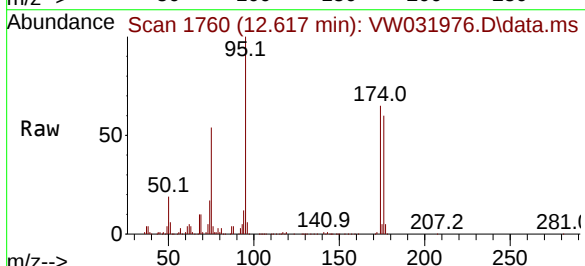
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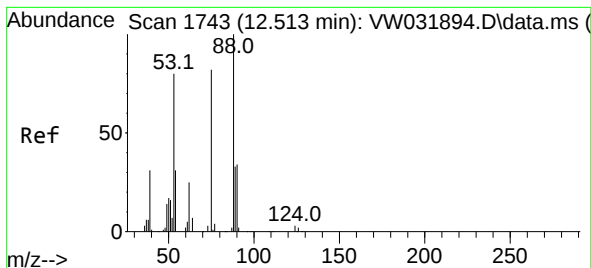
Tgt Ion:152 Resp: 143366
 Ion Ratio Lower Upper
 152 100
 115 63.1 33.4 100.1
 150 154.5 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 34.817 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW031976.D
 Acq: 01 Aug 2025 11:34

Tgt Ion: 75 Resp: 68917
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

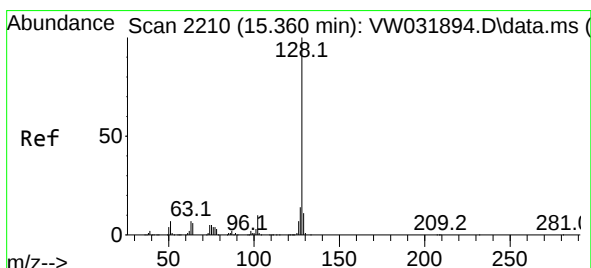
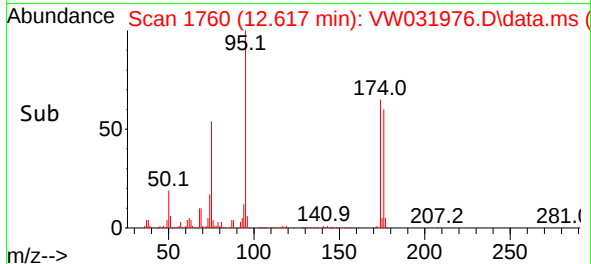
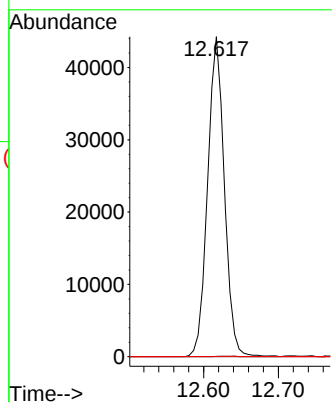
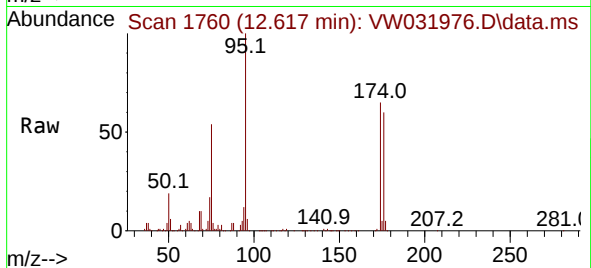




#81
trans-1,4-Dichloro-2-butene
Concen: 80.384 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Instrument :
MSVOA_W
ClientSampleId :
OR-02-07312025

Tgt Ion: 75 Resp: 68917
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 39.0 58.6#



#95
Naphthalene
Concen: 1.904 ug/l
RT: 15.367 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VW031976.D
Acq: 01 Aug 2025 11:34

Tgt Ion: 128 Resp: 14016
Ion Ratio Lower Upper
128 100
127 12.7 10.7 16.1
129 12.5 9.2 13.8

