

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032029.D
 Acq On : 06 Aug 2025 13:53
 Operator : SY/MD
 Sample : Q2786-01
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-08062025

Quant Time: Aug 07 02:20:02 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)

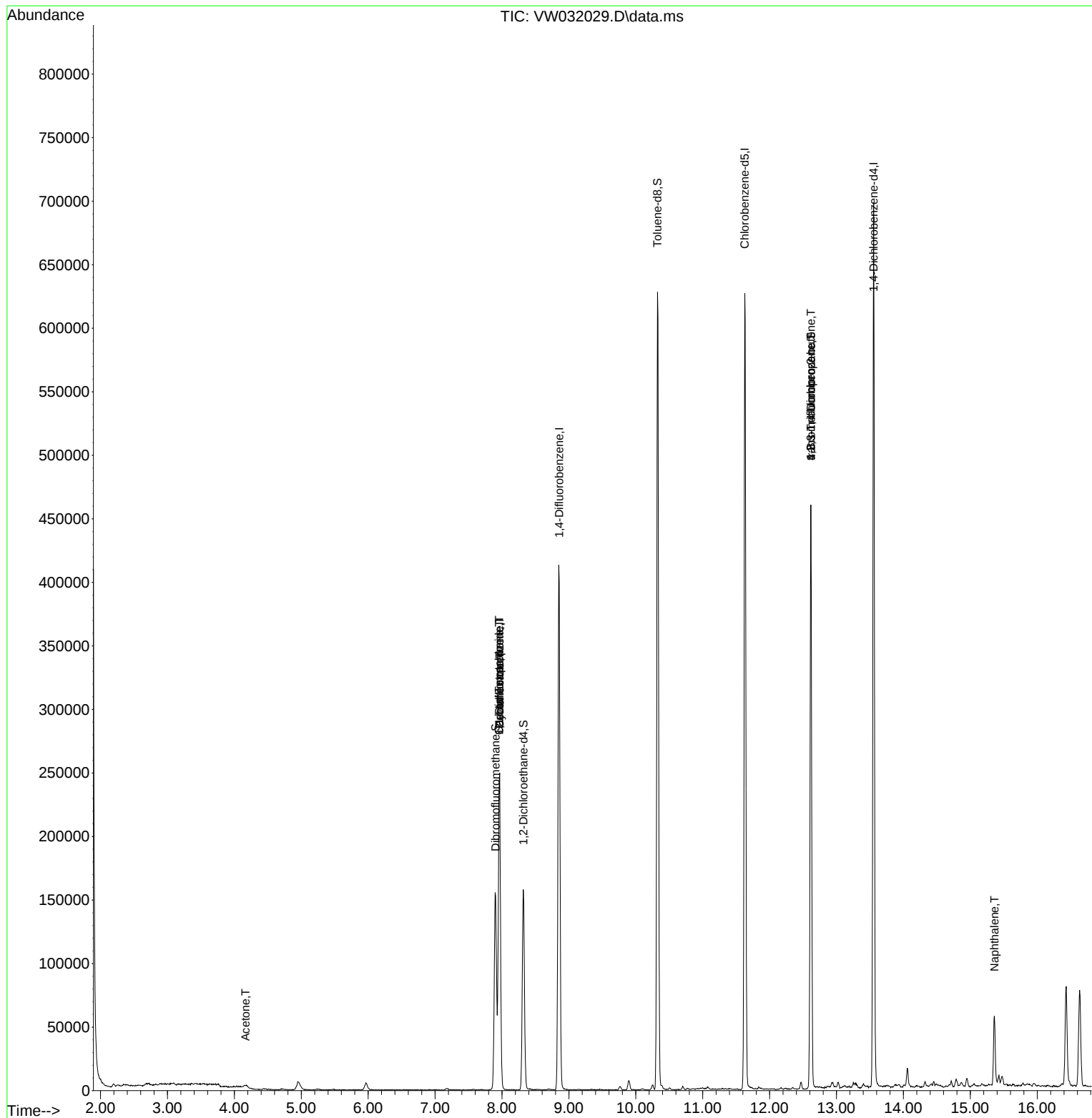
Internal Standards						
1) Pentafluorobenzene	7.965	168	174493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	360450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	168311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131546	49.835	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	99.660%	
35) Dibromofluoromethane	7.904	113	116043	47.378	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	94.760%	
50) Toluene-d8	10.324	98	429199	46.301	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	92.600%	
62) 4-Bromofluorobenzene	12.617	95	168970	47.471	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	94.940%	
Target Compounds						
					Qvalue	
13) Acrolein	3.941	56	80	Below Cal	#	48
16) Acetone	4.167	43	1626	2.596	ug/l	89
20) Methylene Chloride	4.953	84	5872	Below Cal		89
31) Cyclohexane	7.965	56	4264	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	15757	4.189	ug/l #	49
38) Carbon Tetrachloride	7.959	117	19195	5.317	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	84705	36.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	84705	84.156	ug/l #	8
95) Naphthalene	15.360	128	48591	5.622	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
Data File : VW032029.D
Acq On : 06 Aug 2025 13:53
Operator : SY/MD
Sample : Q2786-01
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

Quant Time: Aug 07 02:20:02 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

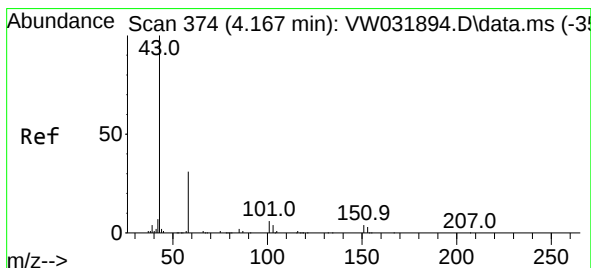
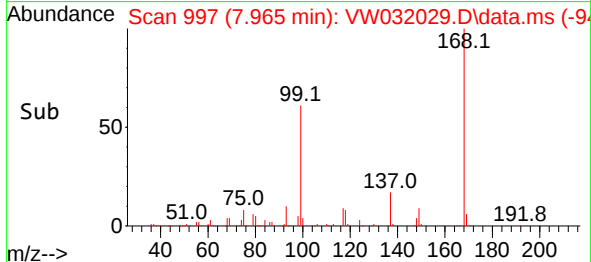
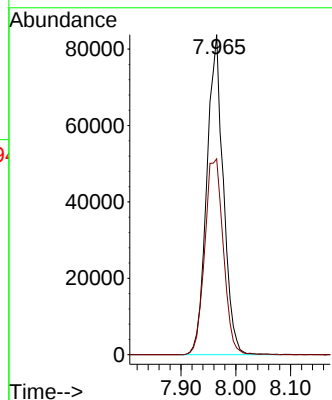
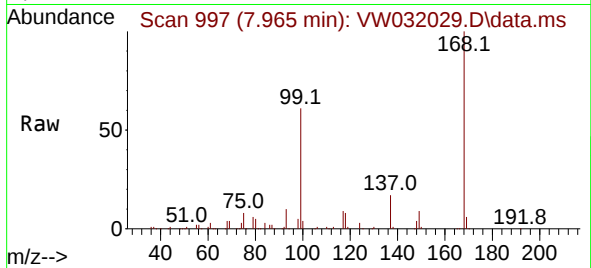




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

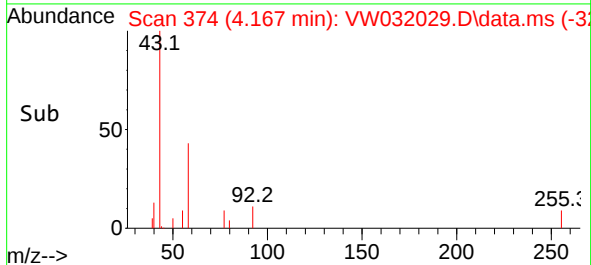
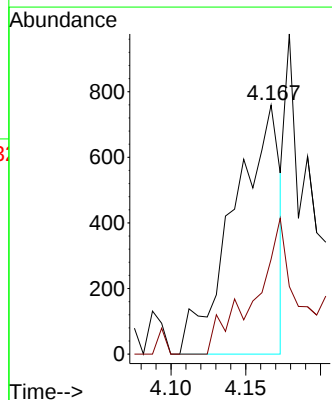
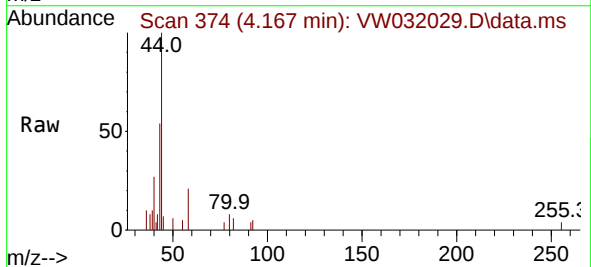
Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

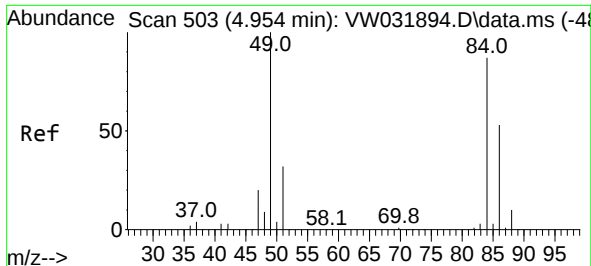
Tgt Ion:168 Resp: 174493
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.2



#16
Acetone
Concen: 2.596 ug/l
RT: 4.167 min Scan# 374
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 38.1 25.5 38.3

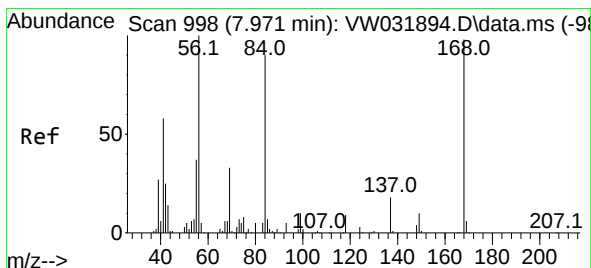
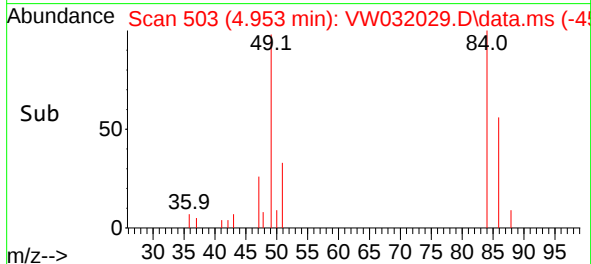
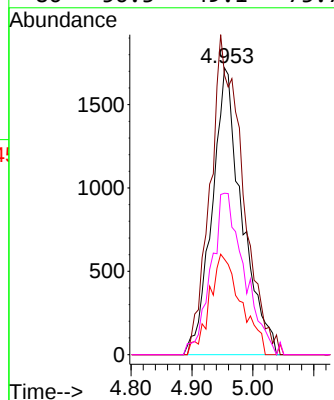
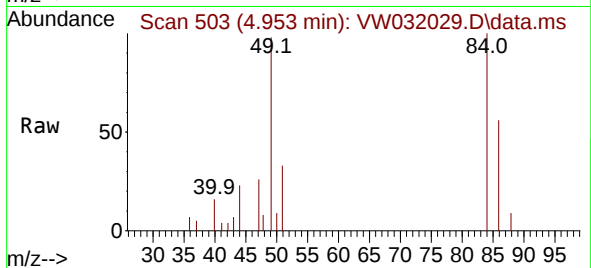




#20
Methylene Chloride
Concen: Below Cal
RT: 4.953 min Scan# 503
Delta R.T. -0.001 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

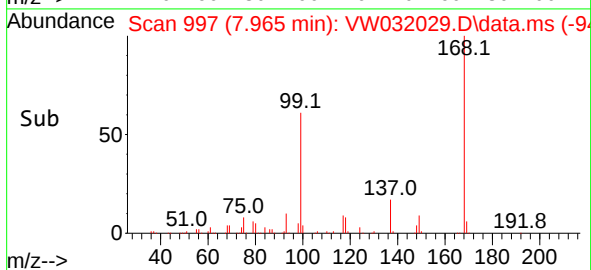
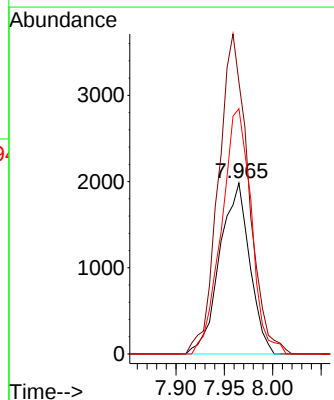
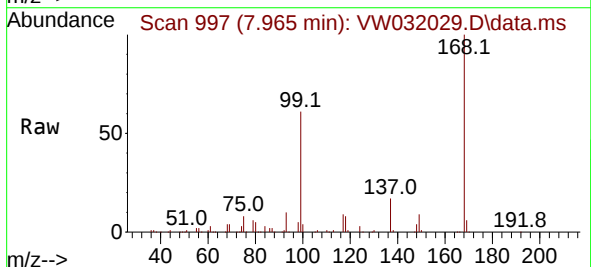
Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

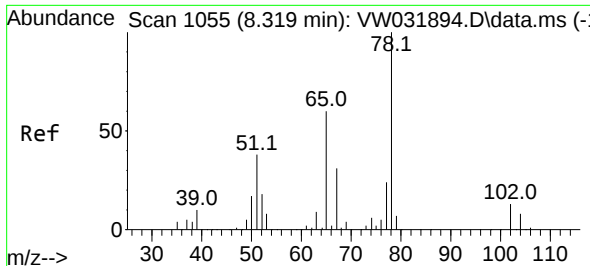
Tgt Ion:	84	Resp:	5872
Ion	Ratio	Lower	Upper
84	100		
49	97.5	91.9	137.9
51	33.3	29.0	43.6
86	56.3	49.1	73.7



#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion:	56	Resp:	4264
Ion	Ratio	Lower	Upper
56	100		
69	159.1	26.7	40.1#
84	143.5	71.8	107.6#

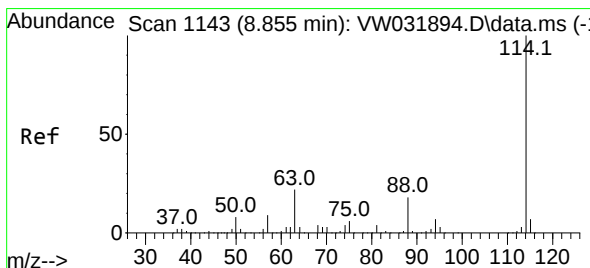
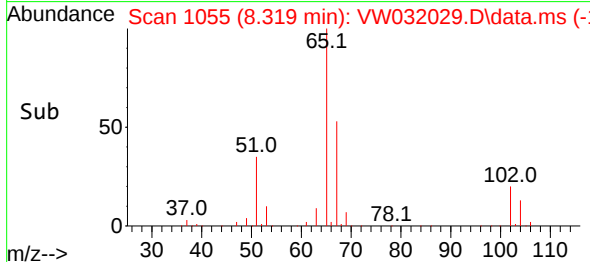
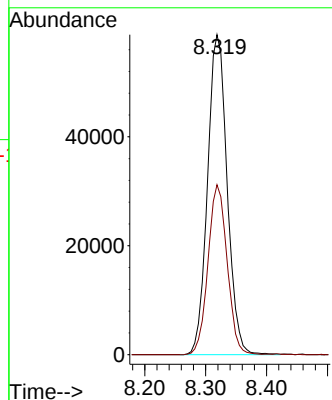
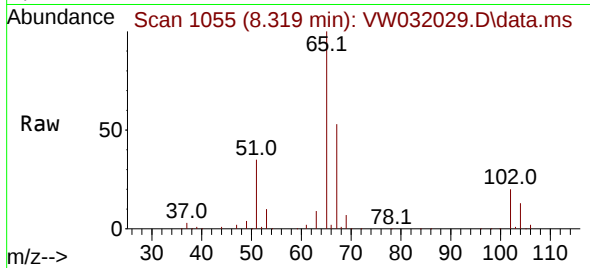




#33
 1,2-Dichloroethane-d4
 Concen: 49.835 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

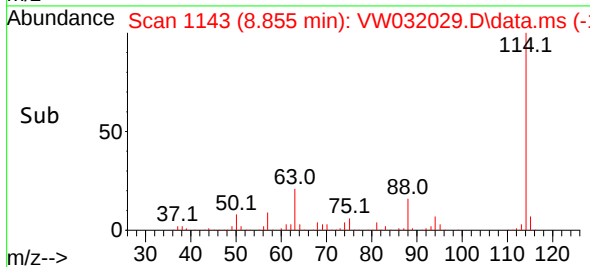
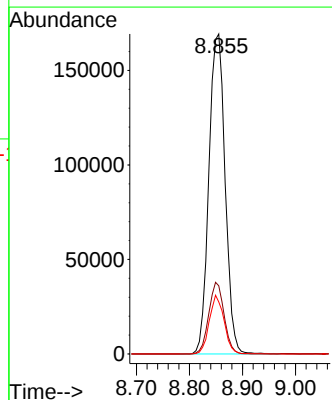
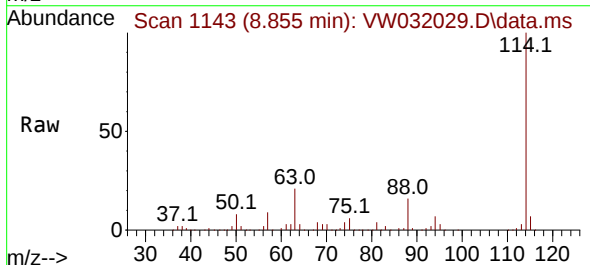
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-08062025

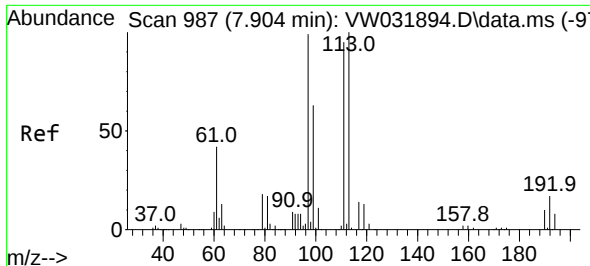
Tgt Ion: 65 Resp: 131546
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

Tgt Ion: 114 Resp: 360450
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.2
 88 16.3 0.0 35.6

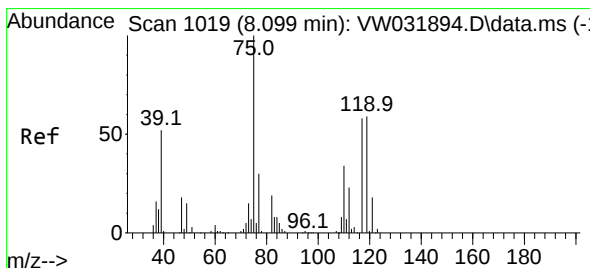
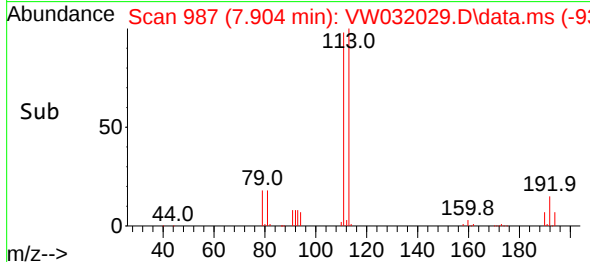
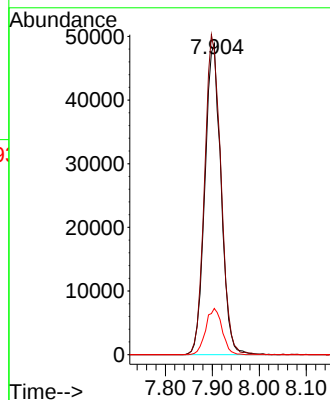
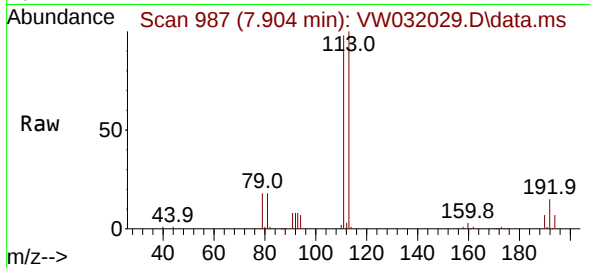




#35
 Dibromofluoromethane
 Concen: 47.378 ug/l
 RT: 7.904 min Scan# 996
 Delta R.T. -0.000 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

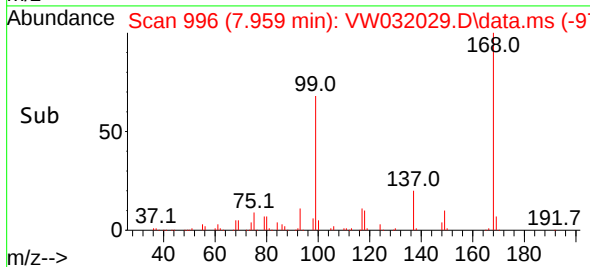
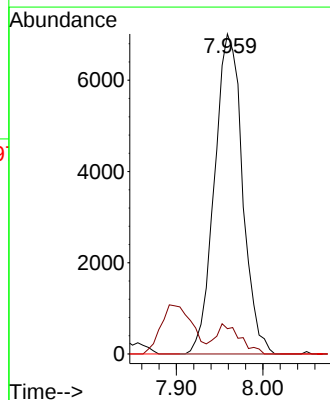
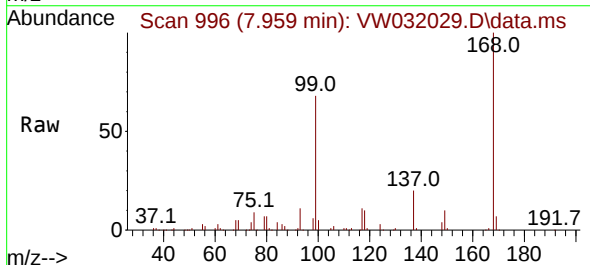
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-08062025

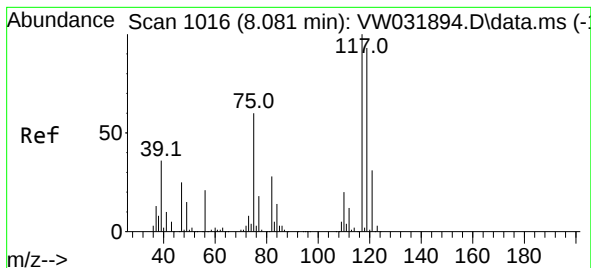
Tgt Ion:	113	Resp:	116043
Ion	Ratio	Lower	Upper
113	100		
111	104.4	79.9	119.9
192	15.1	12.6	19.0



#36
 1,1-Dichloropropene
 Concen: 4.189 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

Tgt Ion:	75	Resp:	15757
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.317 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032029.D

Acq: 06 Aug 2025 13:53

Instrument :

MSVOA_W

ClientSampleId :

PL-01-08062025

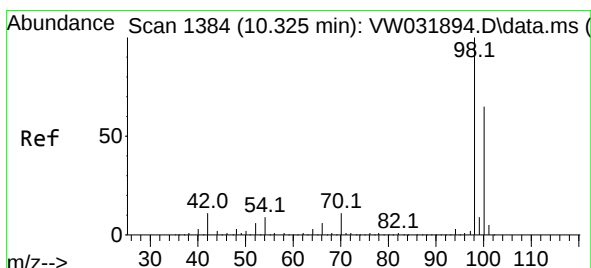
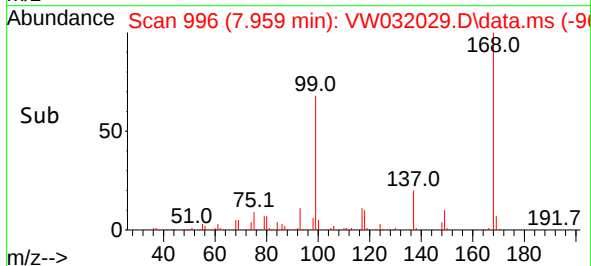
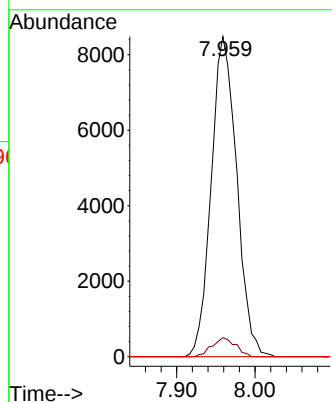
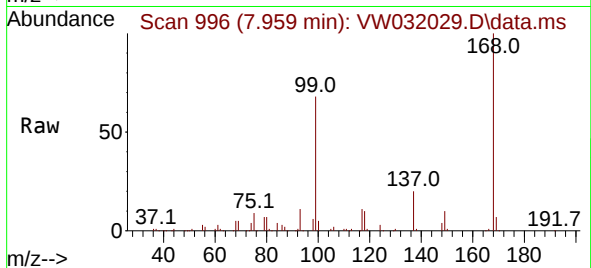
Tgt Ion:117 Resp: 19195

Ion Ratio Lower Upper

117 100

119 5.9 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.301 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032029.D

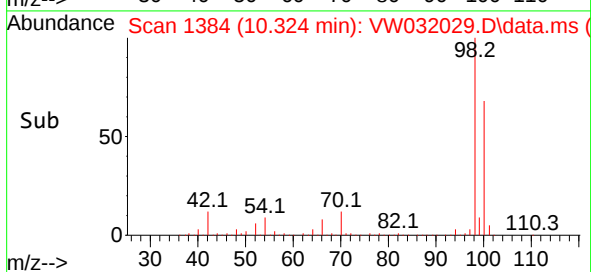
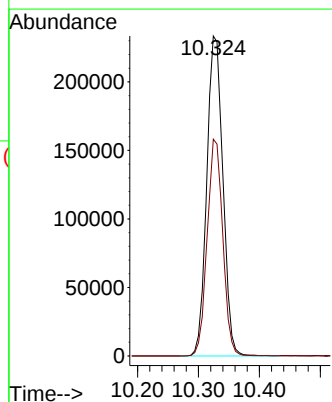
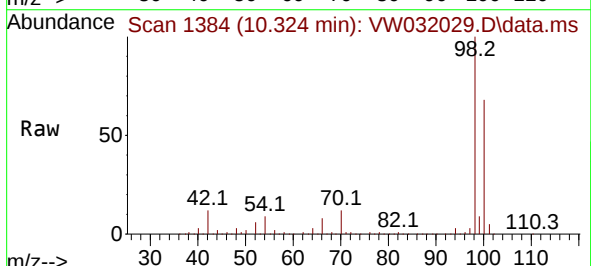
Acq: 06 Aug 2025 13:53

Tgt Ion: 98 Resp: 429199

Ion Ratio Lower Upper

98 100

100 65.6 51.7 77.5

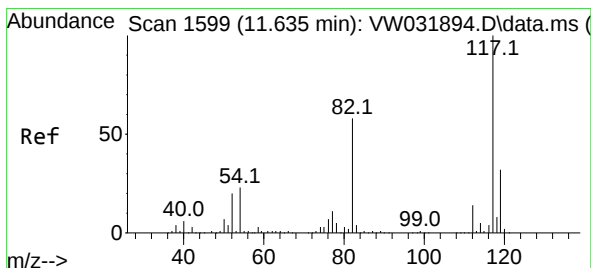
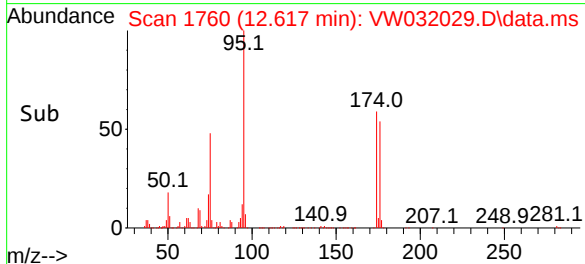
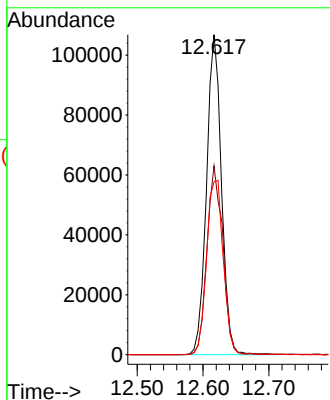
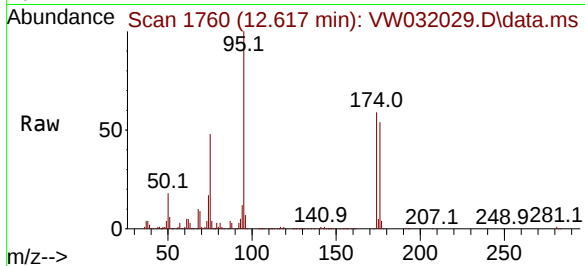




#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

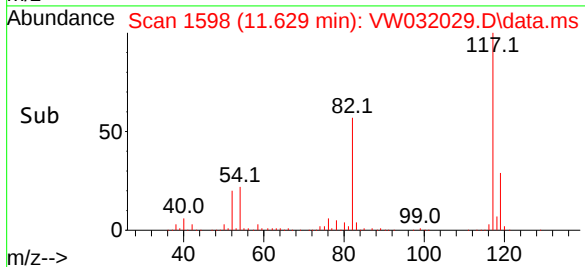
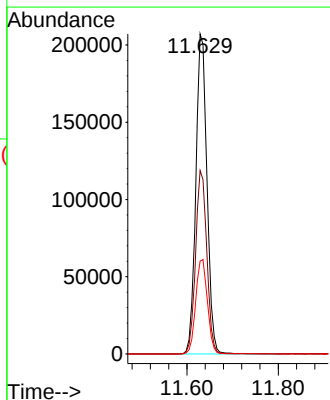
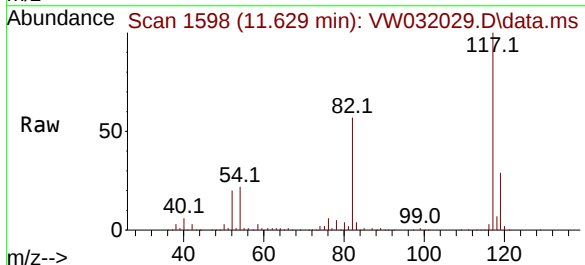
Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

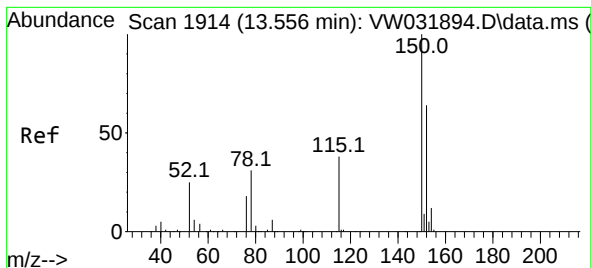
Tgt Ion: 95 Resp: 168970
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 61.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion: 117 Resp: 350443
Ion Ratio Lower Upper
117 100
82 57.3 46.5 69.7
119 29.0 25.8 38.6

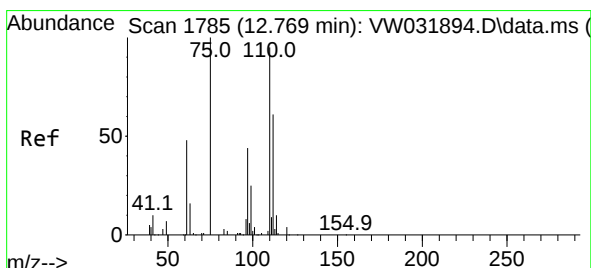
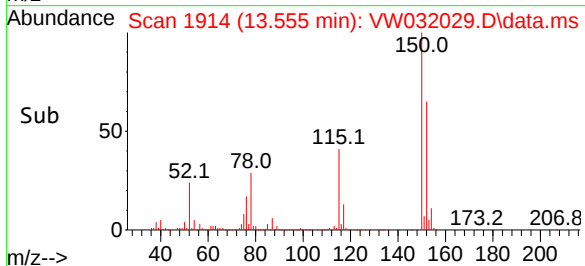
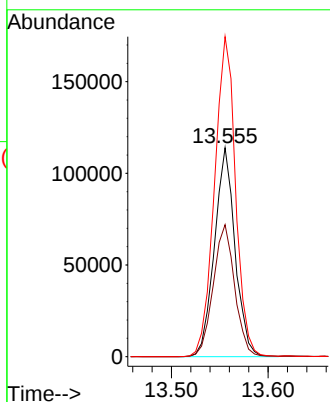
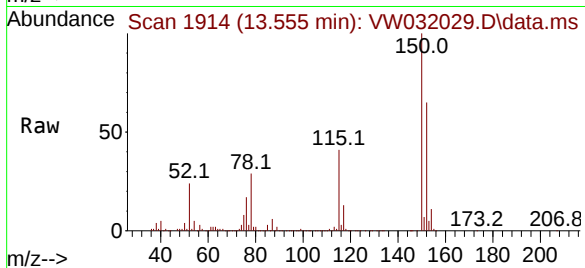




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

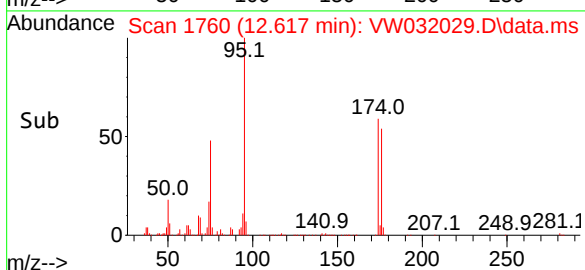
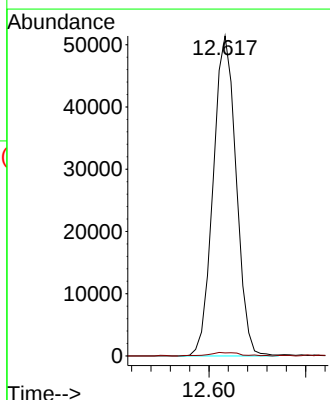
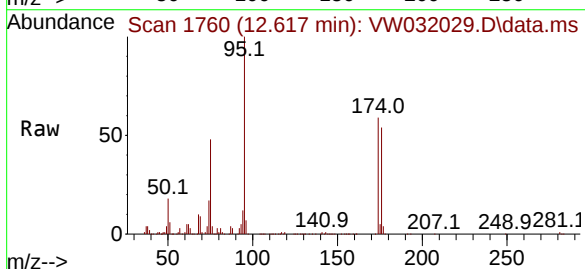
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-08062025

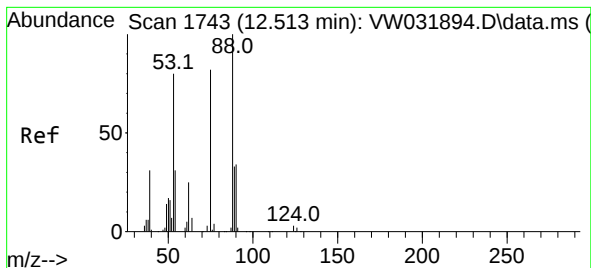
Tgt Ion:152 Resp: 168311
 Ion Ratio Lower Upper
 152 100
 115 65.8 33.4 100.1
 150 156.5 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 36.451 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.153 min
 Lab File: VW032029.D
 Acq: 06 Aug 2025 13:53

Tgt Ion: 75 Resp: 84705
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

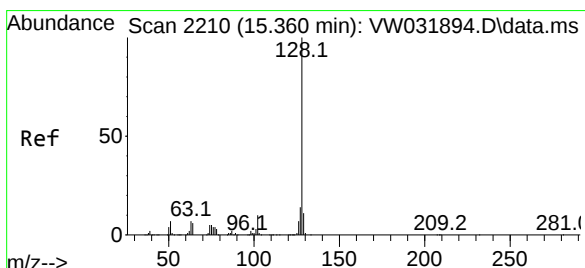
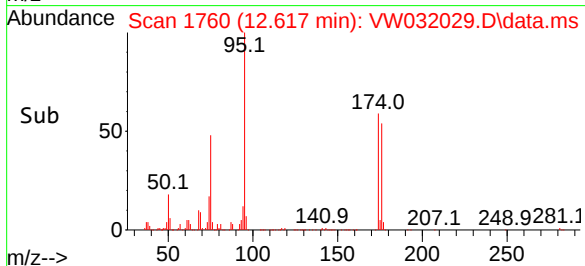
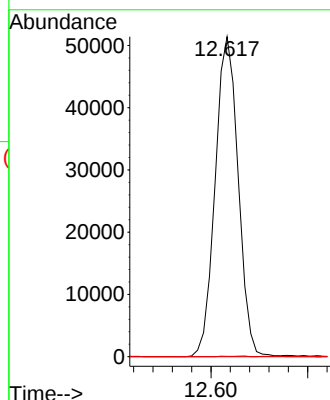
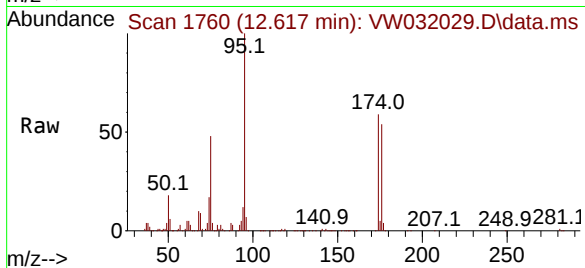




#81
trans-1,4-Dichloro-2-butene
Concen: 84.156 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.103 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

Tgt Ion: 75 Resp: 84705
Ion Ratio Lower Upper
75 100
53 0.2 83.7 125.5#
89 0.0 39.0 58.6#



#95
Naphthalene
Concen: 5.622 ug/l
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion: 128 Resp: 48591
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.6 9.2 13.8

