

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032028.D
 Acq On : 06 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2784-01
 Misc : 5.35g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080625

Quant Time: Aug 07 02:19:42 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)

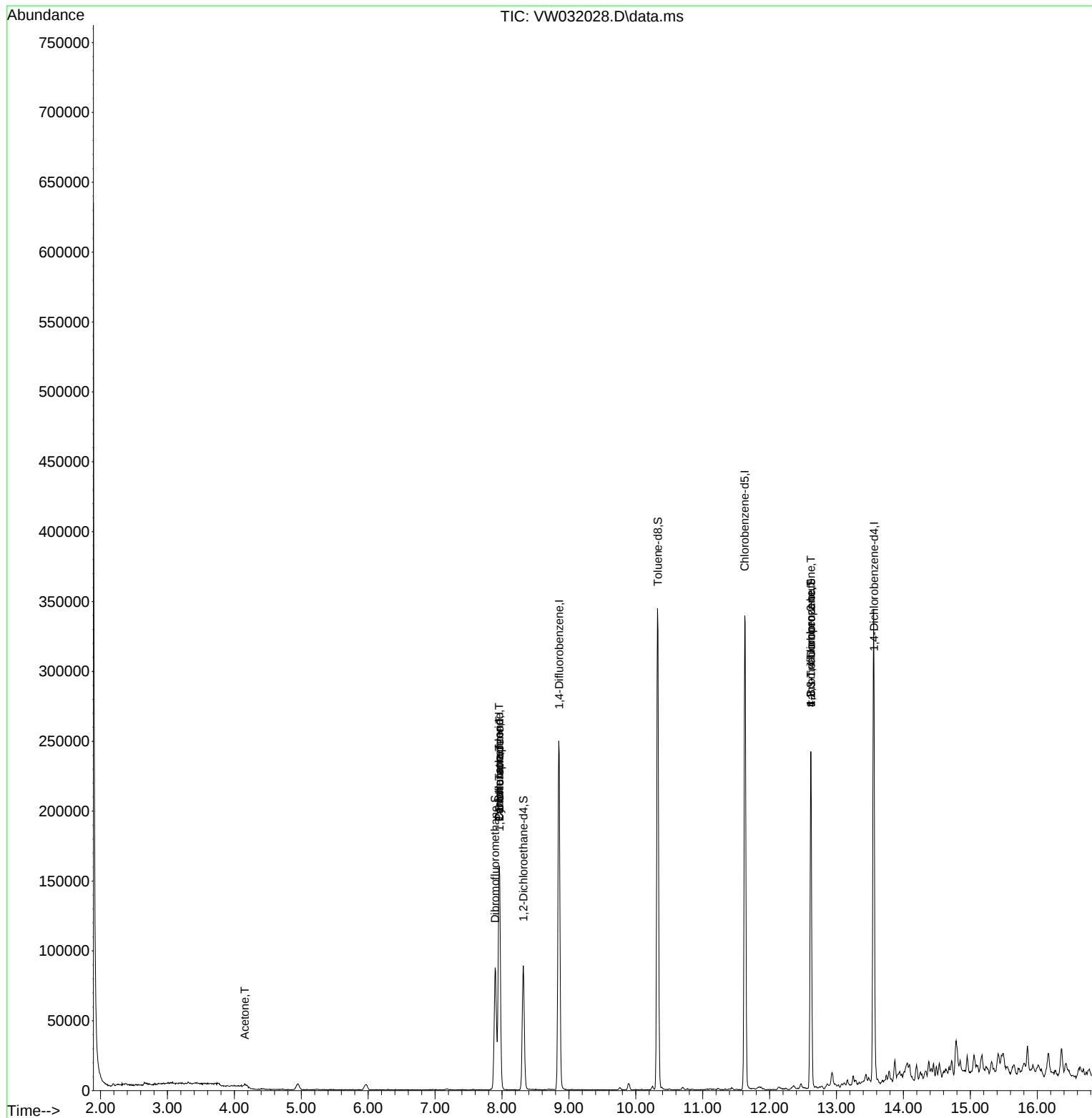
Internal Standards						
1) Pentafluorobenzene	7.959	168	112537	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	213314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	193980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	83702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	72756	42.737	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	85.480%	
35) Dibromofluoromethane	7.898	113	64780	44.691	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	89.380%	
50) Toluene-d8	10.331	98	241962	44.106	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	88.220%	
62) 4-Bromofluorobenzene	12.617	95	87126	41.361	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	82.720%	
Target Compounds						
					Qvalue	
13) Acrolein	3.929	56	149	Below Cal	#	77
16) Acetone	4.155	43	2173	5.379	ug/l #	80
20) Methylene Chloride	4.954	84	3507	Below Cal		96
31) Cyclohexane	7.959	56	2770	1.061	ug/l #	10
36) 1,1-Dichloropropene	7.965	75	10825	4.863	ug/l #	49
38) Carbon Tetrachloride	7.959	117	13281	6.217	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	44091	38.153	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	44091	88.085	ug/l #	8

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

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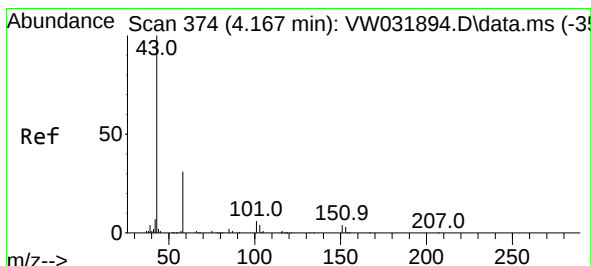
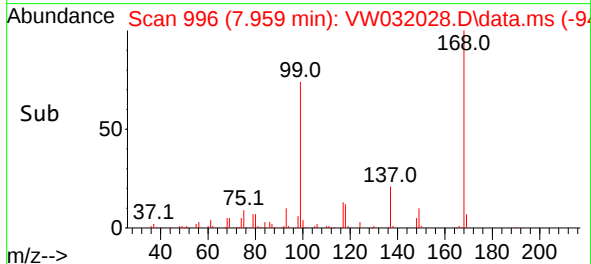
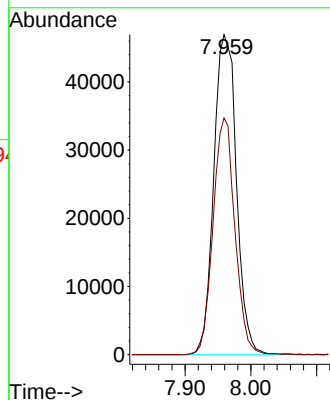
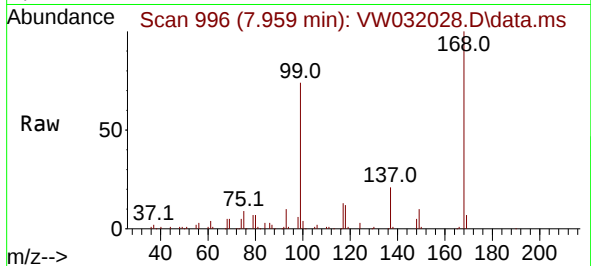




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

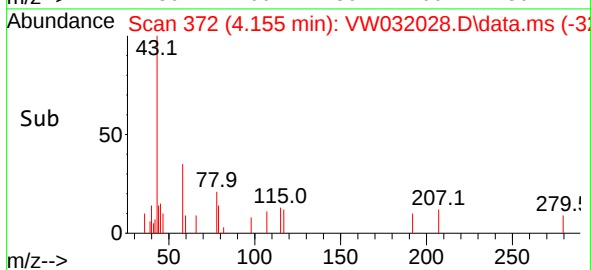
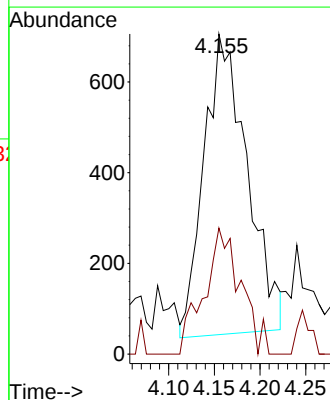
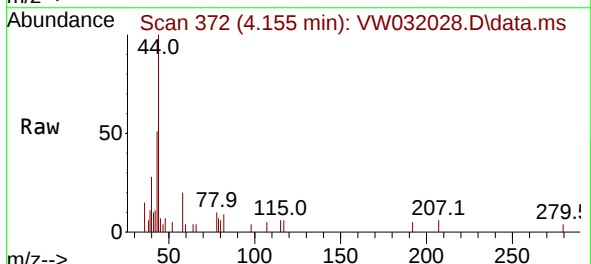
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080625

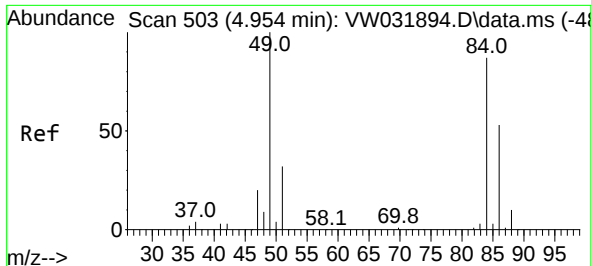
Tgt Ion:168 Resp: 112537
Ion Ratio Lower Upper
168 100
99 74.0 48.2 72.2#



#16
Acetone
Concen: 5.379 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
58 43.3 25.5 38.3#

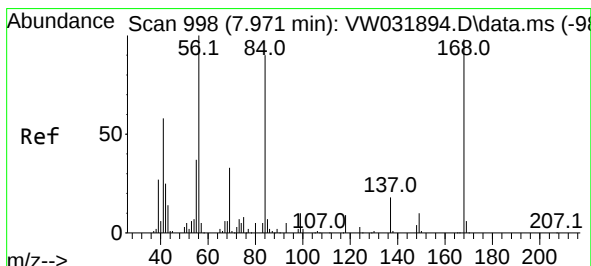
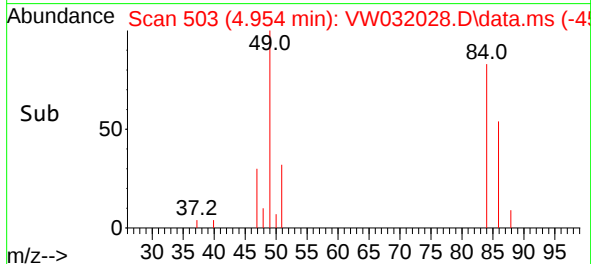
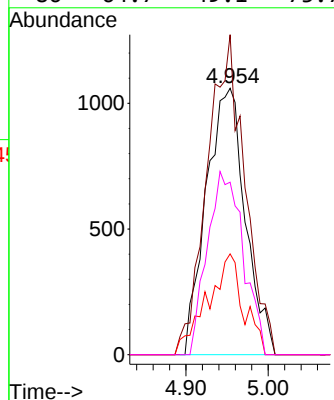
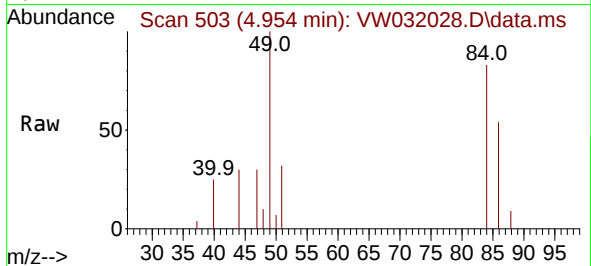




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

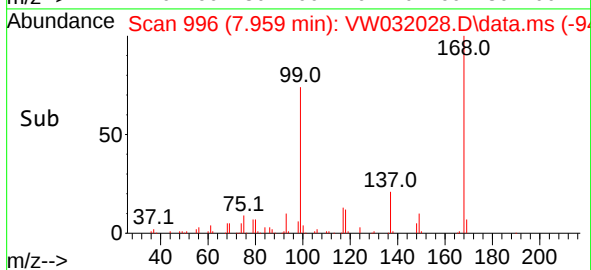
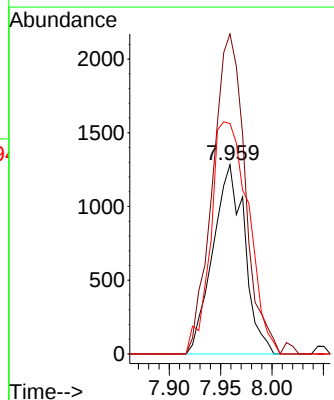
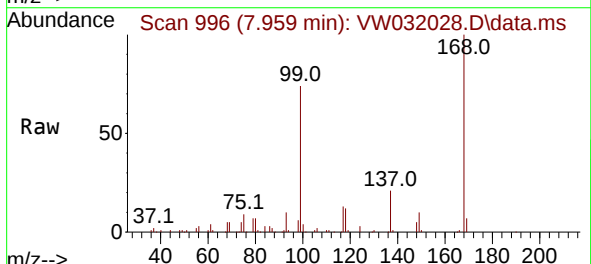
Instrument :
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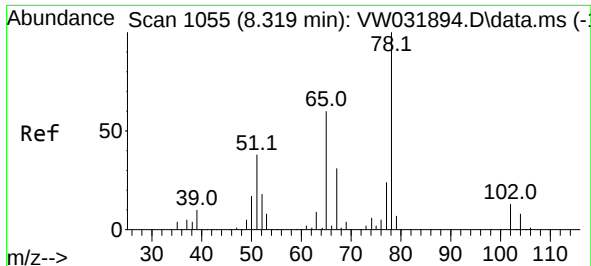
Tgt Ion:	84	Resp:	3507
Ion	Ratio	Lower	Upper
84	100		
49	120.1	91.9	137.9
51	37.8	29.0	43.6
86	64.7	49.1	73.7



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion:	56	Resp:	2770
Ion	Ratio	Lower	Upper
56	100		
69	169.0	26.7	40.1#
84	121.7	71.8	107.6#

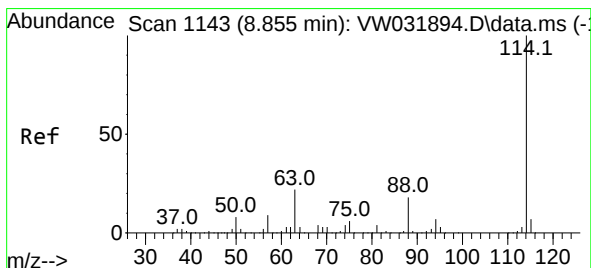
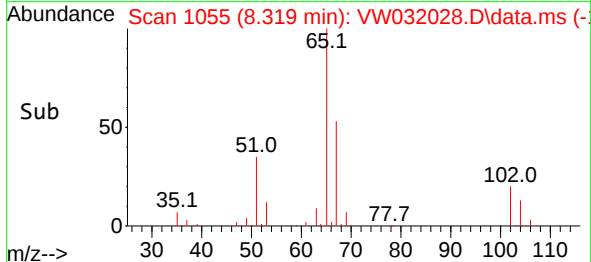
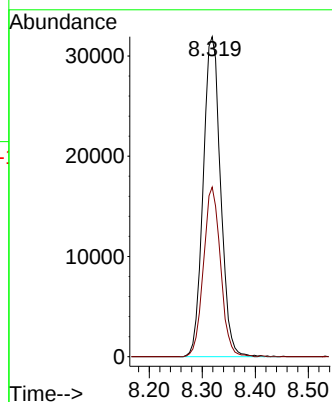
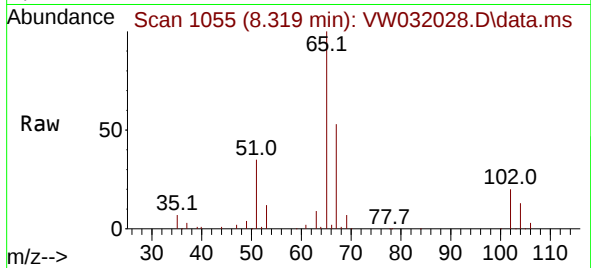




#33
 1,2-Dichloroethane-d4
 Concen: 42.737 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

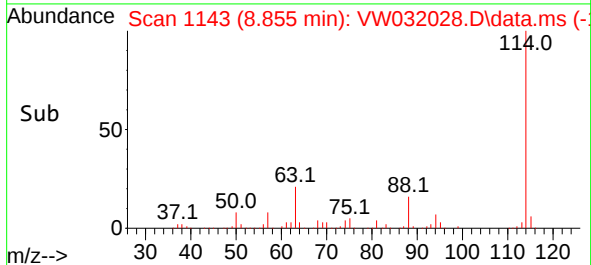
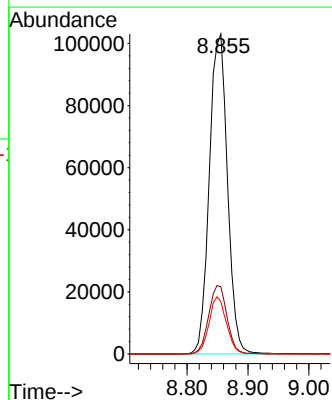
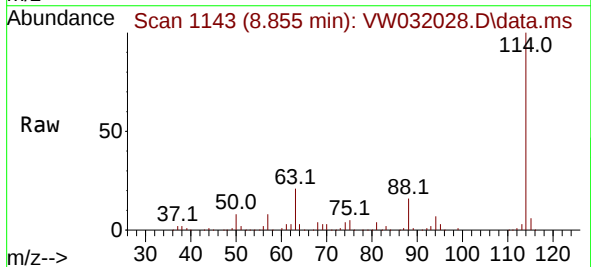
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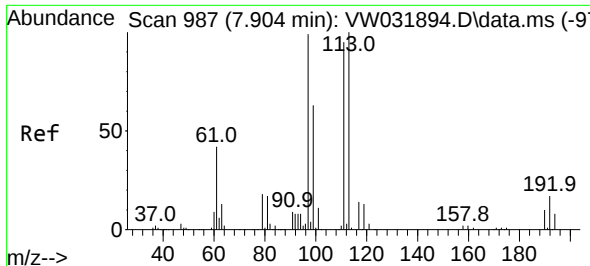
Tgt Ion: 65 Resp: 72756
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

Tgt Ion: 114 Resp: 213314
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.2
 88 16.4 0.0 35.6

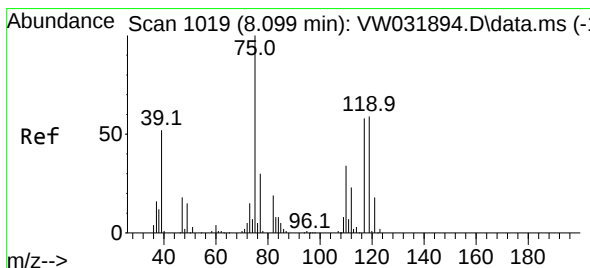
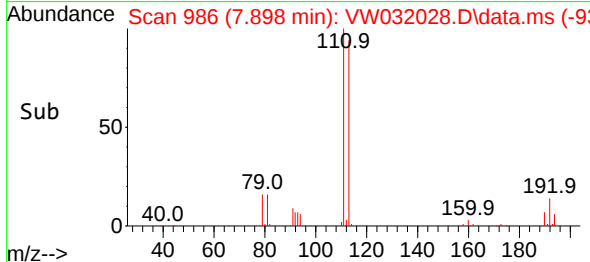
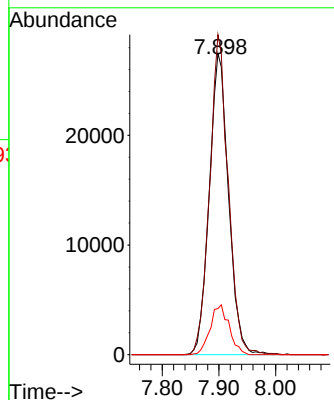
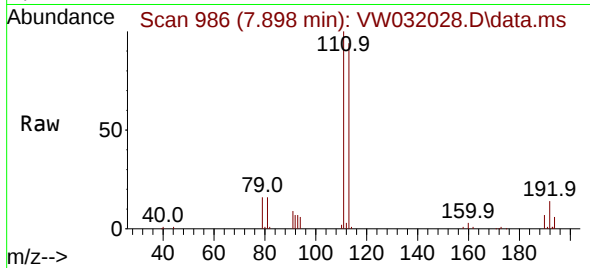




#35
 Dibromofluoromethane
 Concen: 44.691 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

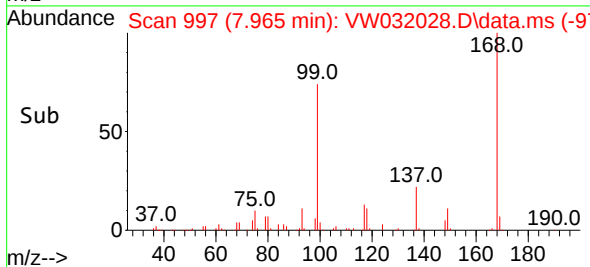
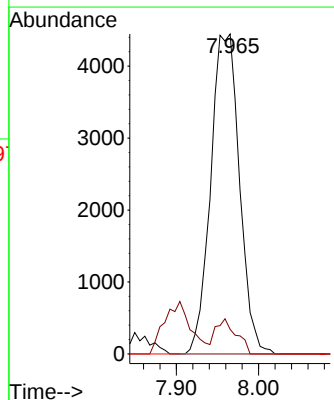
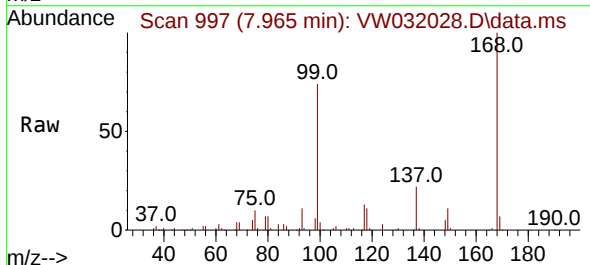
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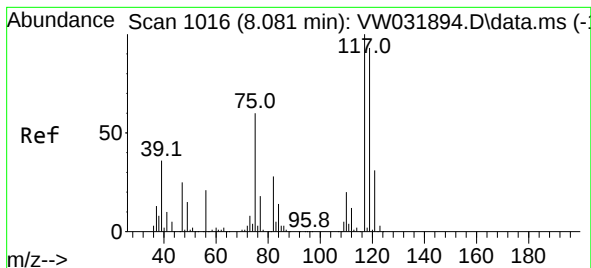
Tgt Ion:113 Resp: 64780
 Ion Ratio Lower Upper
 113 100
 111 102.7 79.9 119.9
 192 16.3 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.863 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

Tgt Ion: 75 Resp: 10825
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.0 50.9#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.217 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032028.D

Acq: 06 Aug 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080625

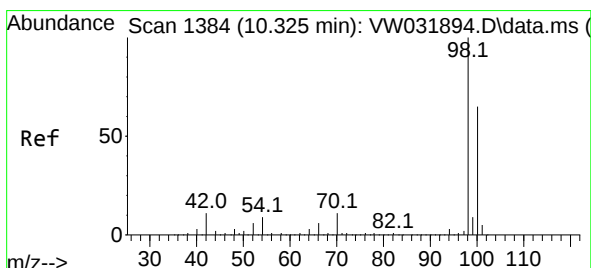
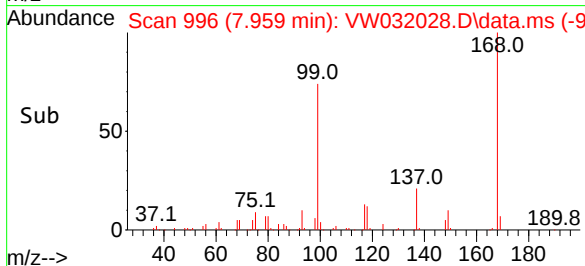
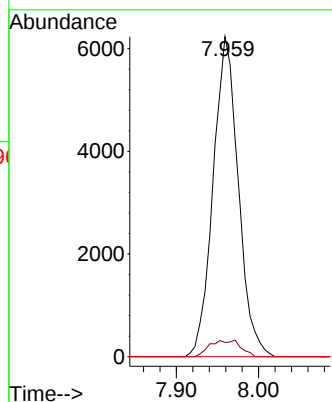
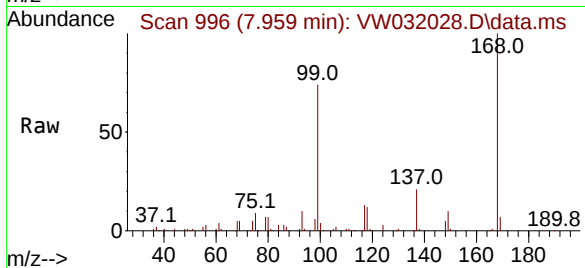
Tgt Ion:117 Resp: 13281

Ion Ratio Lower Upper

117 100

119 4.5 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 44.106 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032028.D

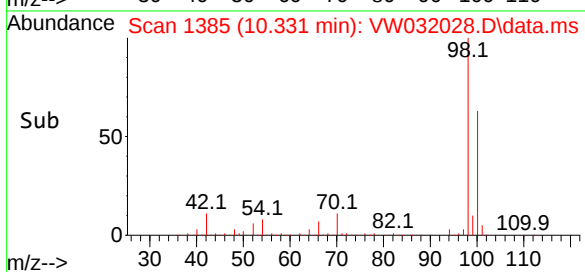
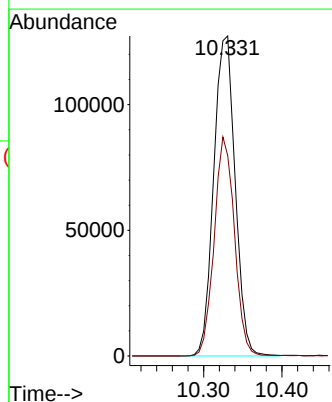
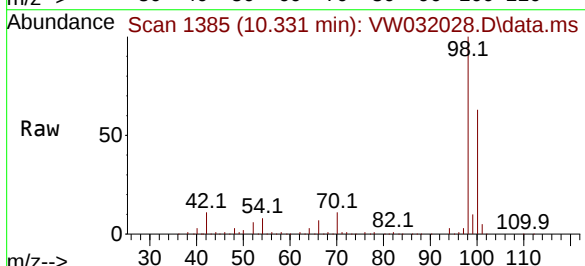
Acq: 06 Aug 2025 13:31

Tgt Ion: 98 Resp: 241962

Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5

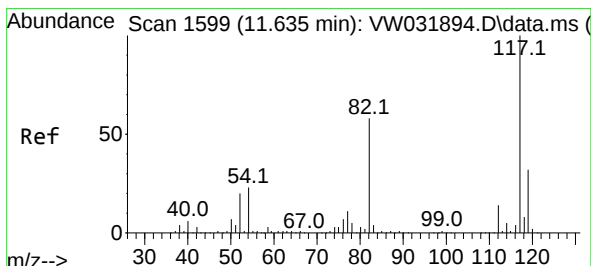
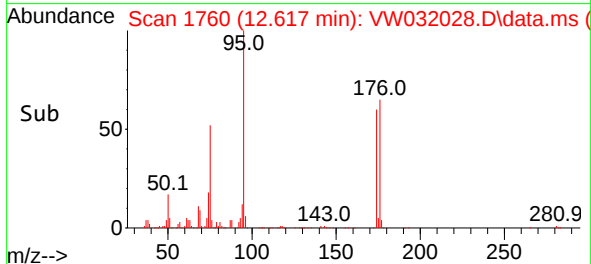
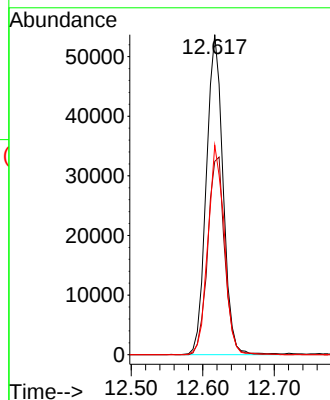
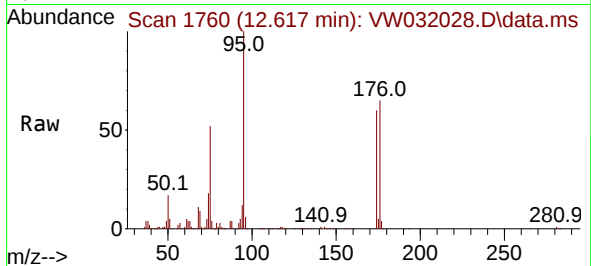




#62
4-Bromofluorobenzene
Concen: 41.361 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

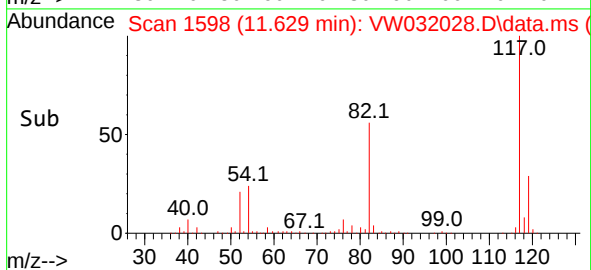
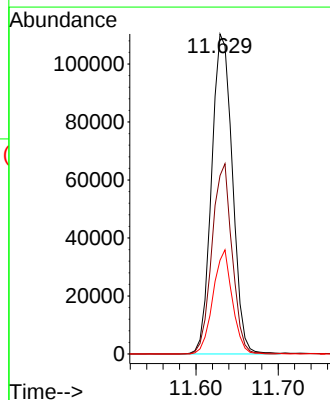
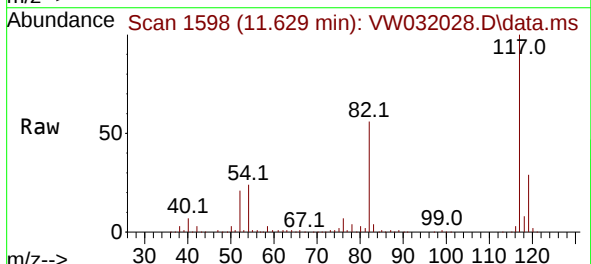
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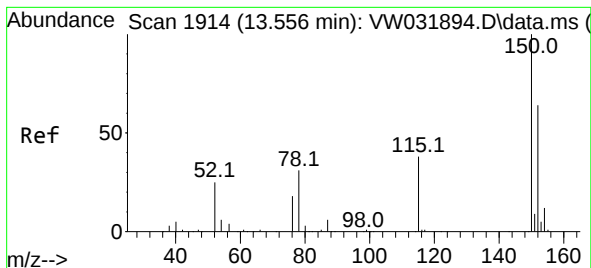
Tgt Ion: 95 Resp: 87126
Ion Ratio Lower Upper
95 100
174 62.9 0.0 129.8
176 64.1 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion: 117 Resp: 193980
Ion Ratio Lower Upper
117 100
82 55.7 46.5 69.7
119 29.3 25.8 38.6

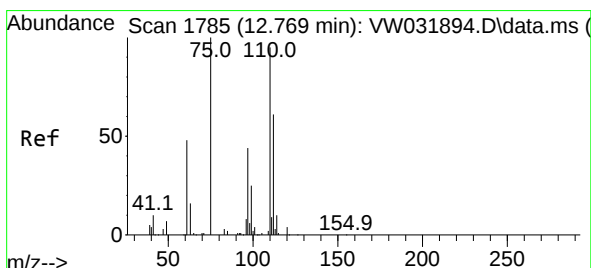
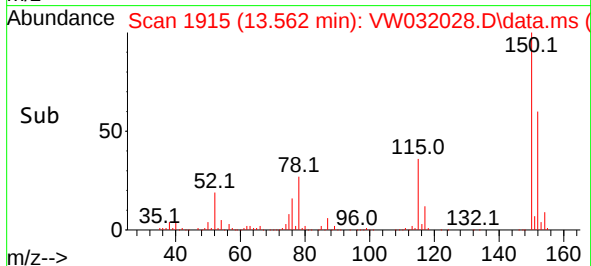
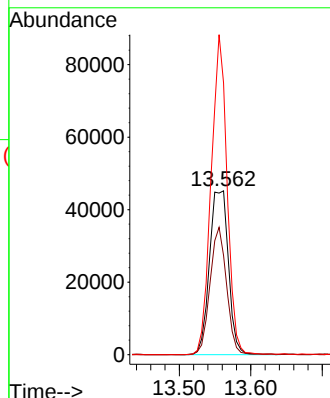
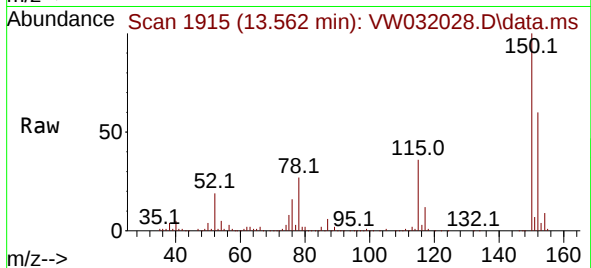




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.562 min Scan# 1914
 Delta R.T. 0.006 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

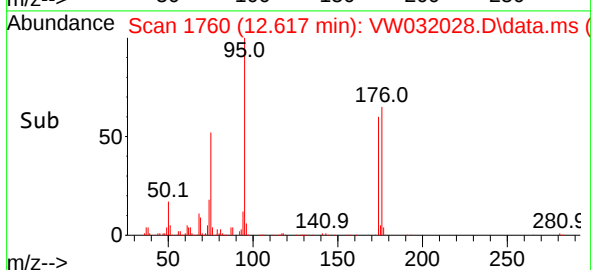
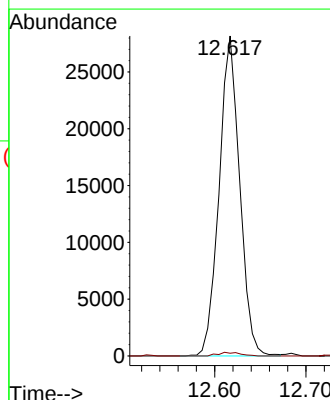
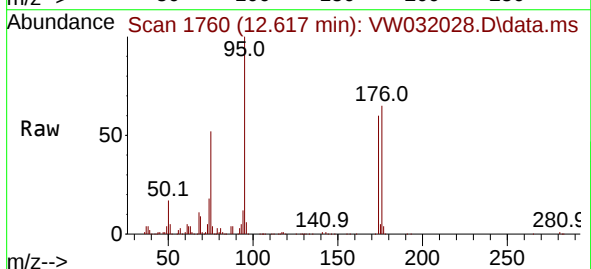
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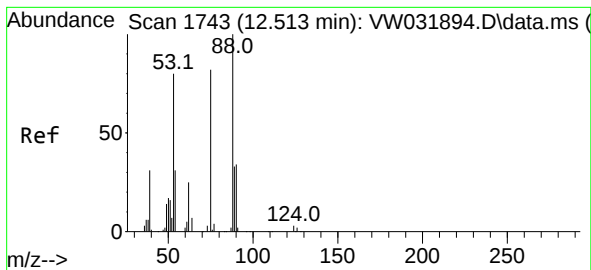
Tgt Ion:152 Resp: 83702
 Ion Ratio Lower Upper
 152 100
 115 67.3 33.4 100.1
 150 163.3 0.0 352.2



#76
 1,2,3-Trichloropropane
 Concen: 38.153 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.152 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

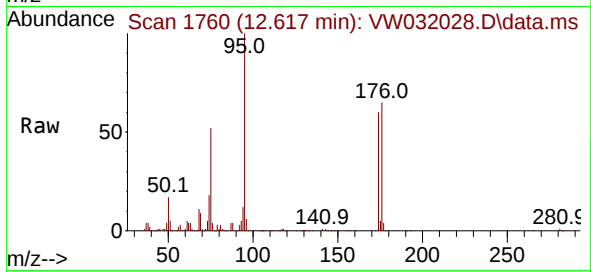
Tgt Ion: 75 Resp: 44091
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.085 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032028.D
 Acq: 06 Aug 2025 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080625



Tgt Ion: 75 Resp: 44091
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.7 125.5#
 89 0.0 39.0 58.6#

