

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031810.D
 Acq On : 10 Jul 2025 17:48
 Operator : SY/MD
 Sample : Q2543-02
 Misc : 7.88g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-49

Quant Time: Jul 11 02:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	160019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	352818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	344995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157809	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135339	58.934	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.860%
35) Dibromofluoromethane	7.904	113	115320	50.089	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.180%
50) Toluene-d8	10.331	98	410989	47.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.940%
62) 4-Bromofluorobenzene	12.617	95	162553	51.556	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.120%

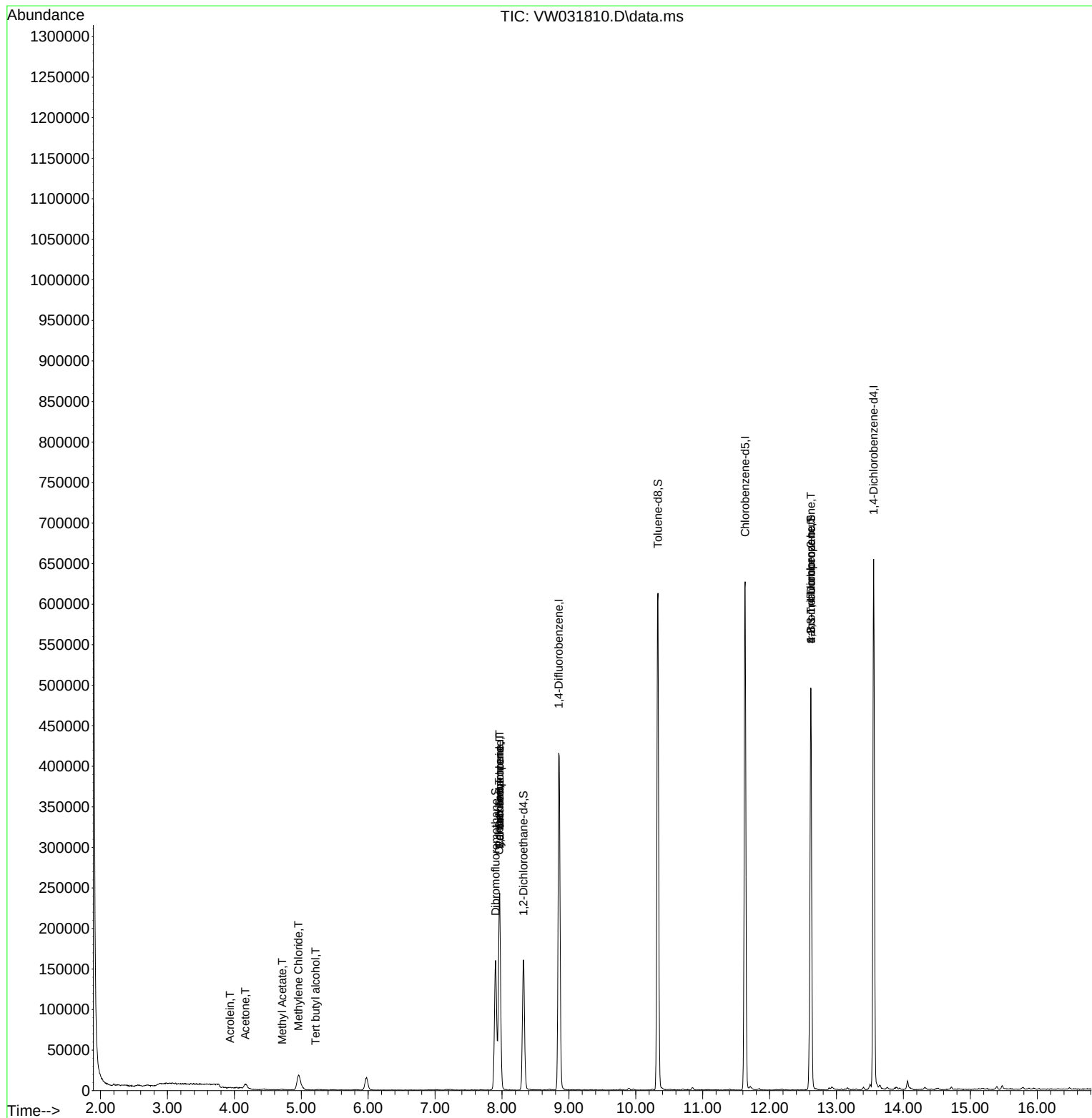
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.216	59	150	1.054	ug/l #	69
13) Acrolein	3.936	56	300	1.173	ug/l #	1
16) Acetone	4.161	43	9751	17.179	ug/l	92
18) Methyl Acetate	4.716	43	2185	1.347	ug/l #	73
20) Methylene Chloride	4.960	84	16269	3.034	ug/l	96
31) Cyclohexane	7.959	56	4462	1.365	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	16272	4.884	ug/l #	50
38) Carbon Tetrachloride	7.965	117	19478	5.737	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	86528	42.430	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	86528	98.825	ug/l #	8

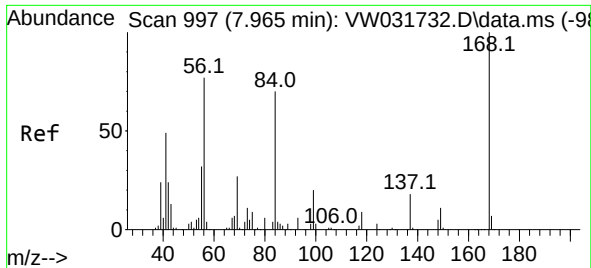
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

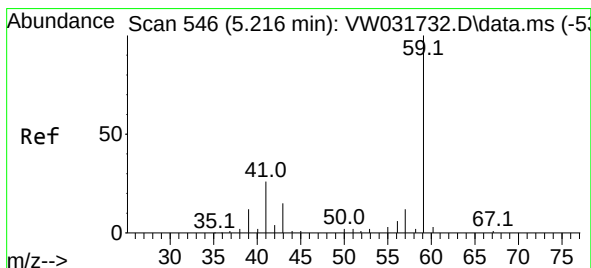
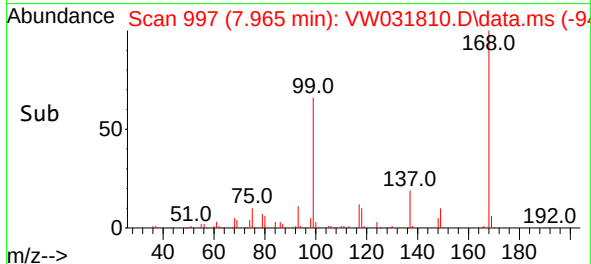
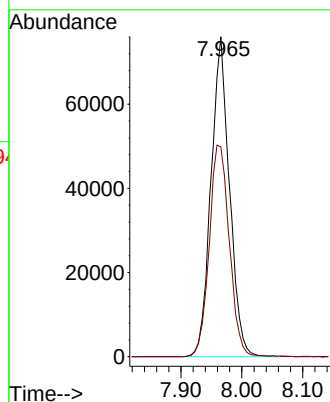
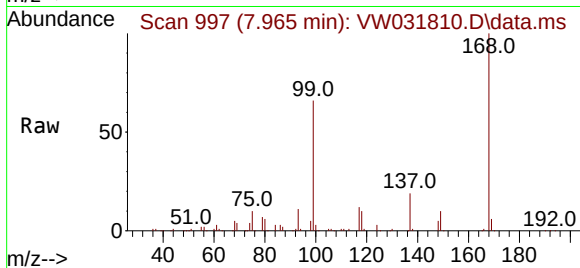




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

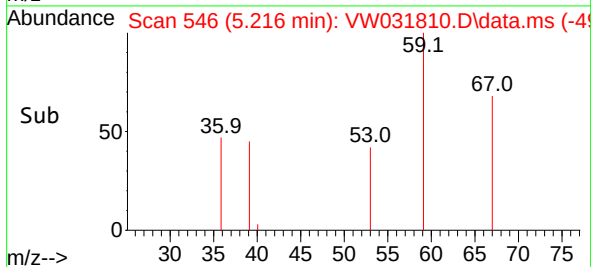
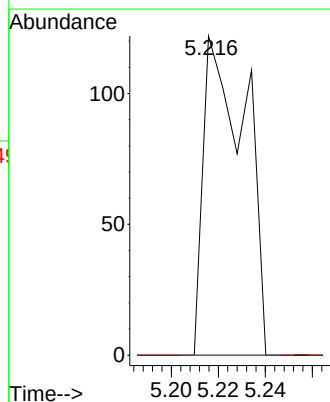
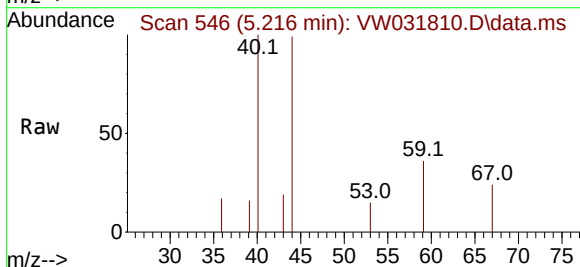
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MSVOA_W
ClientSampleId :
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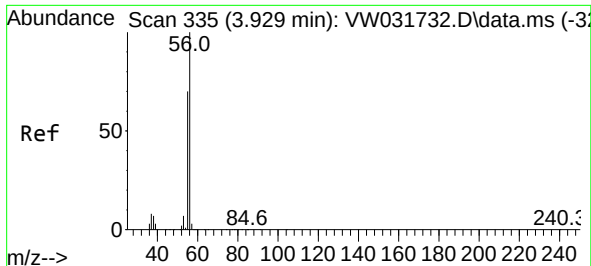
Tgt Ion:168 Resp: 160019
Ion Ratio Lower Upper
168 100
99 65.6 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.054 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

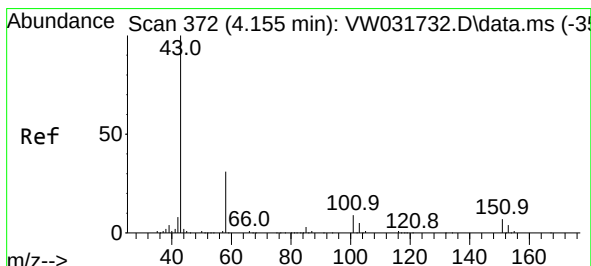
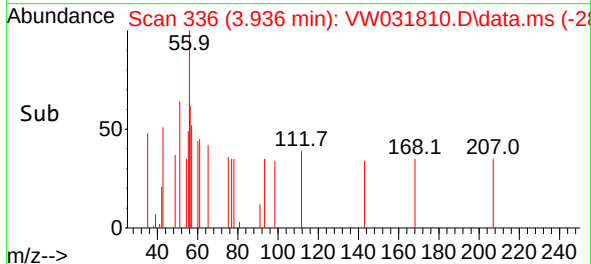
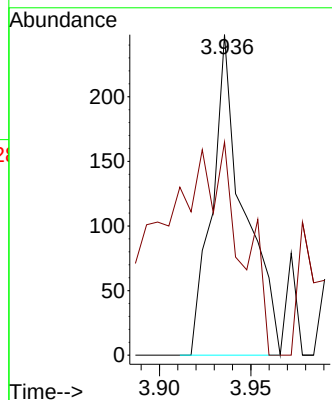
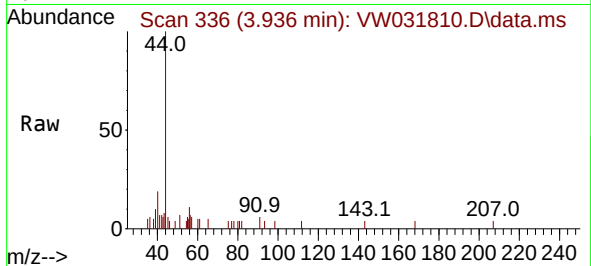




#13
Acrolein
Concen: 1.173 ug/l
RT: 3.936 min Scan# 311
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

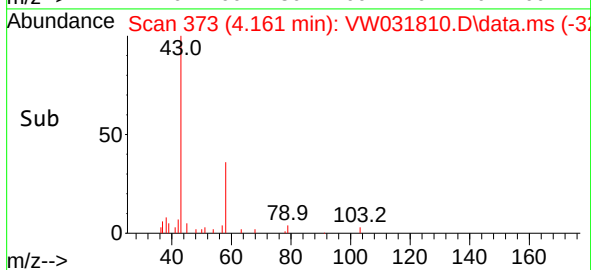
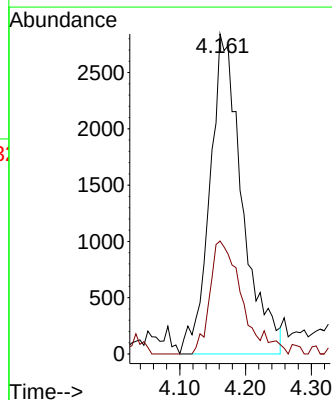
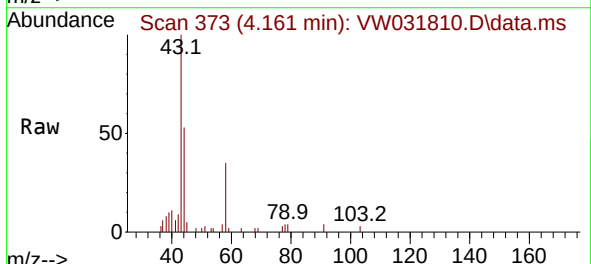
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ClientSampleId :
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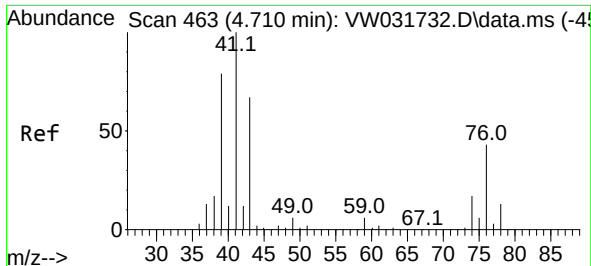
Tgt Ion: 56 Resp: 300
Ion Ratio Lower Upper
56 100
55 158.0 54.0 81.0#



#16
Acetone
Concen: 17.179 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 43 Resp: 9751
Ion Ratio Lower Upper
43 100
58 35.3 24.8 37.2

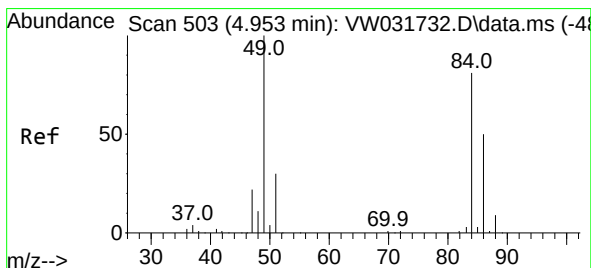
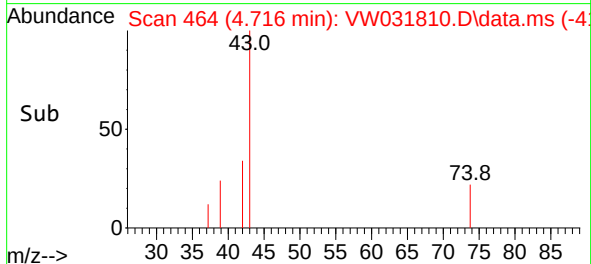
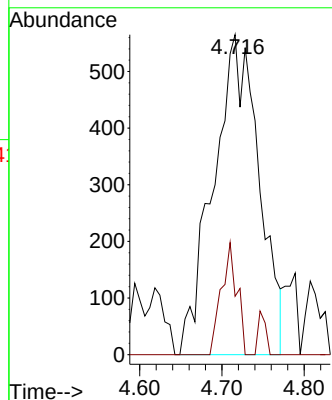
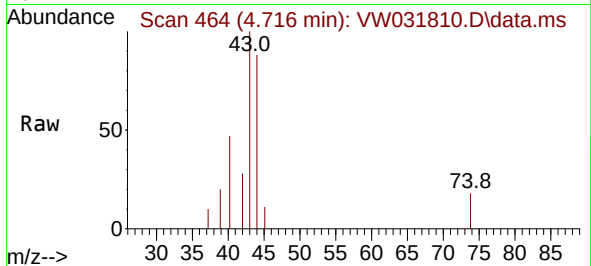




#18
Methyl Acetate
Concen: 1.347 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

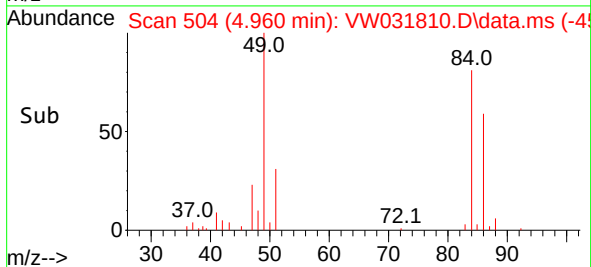
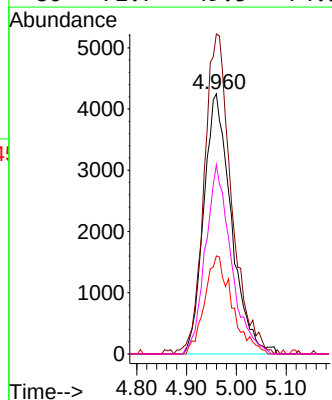
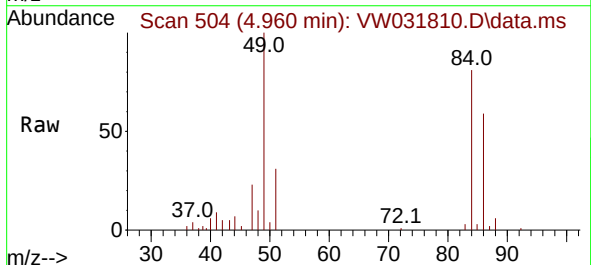
Instrument :
MSVOA_W
ClientSampleId :
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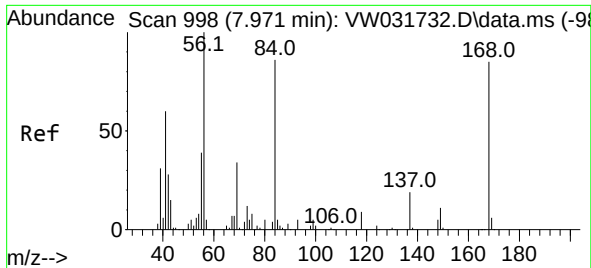
Tgt Ion: 43 Resp: 2185
Ion Ratio Lower Upper
43 100
74 11.9 20.6 30.8#



#20
Methylene Chloride
Concen: 3.034 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 84 Resp: 16269
Ion Ratio Lower Upper
84 100
49 123.0 98.2 147.4
51 37.7 29.8 44.8
86 72.7 49.5 74.3

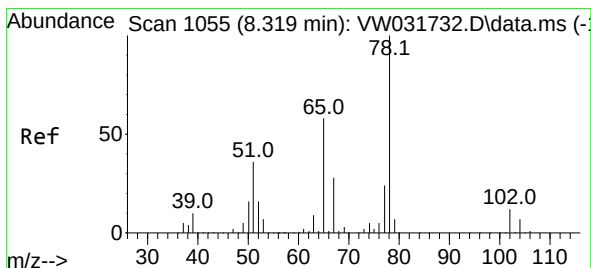
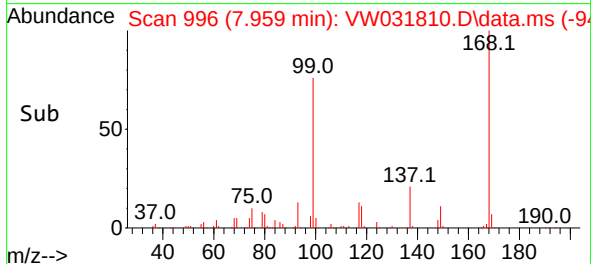
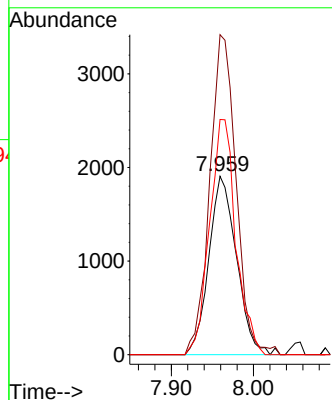
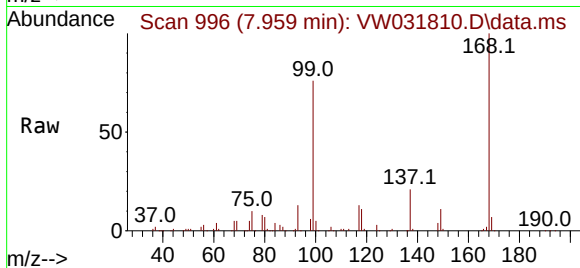




#31
Cyclohexane
Concen: 1.365 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

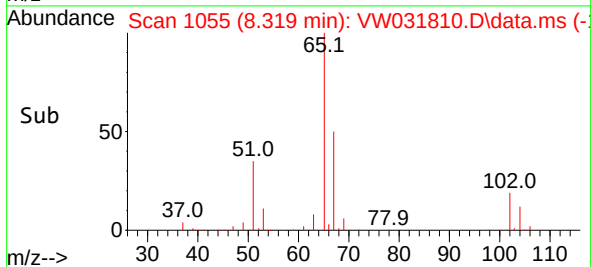
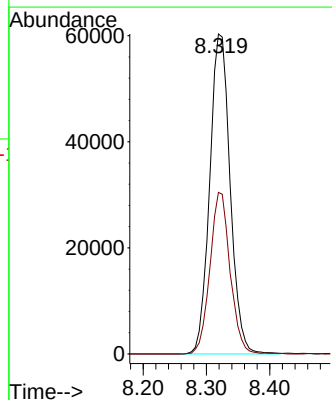
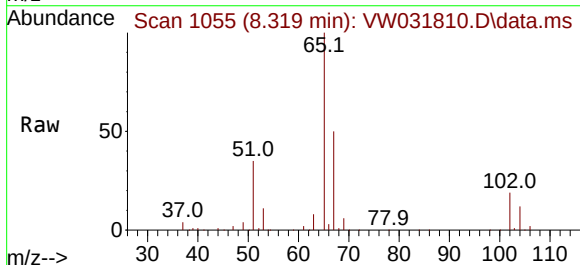
Instrument :
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ClientSampleId :
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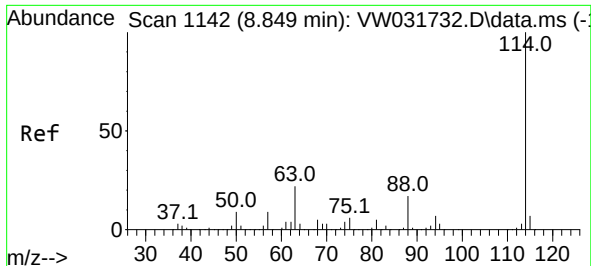
Tgt Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 179.3 27.2 40.8#
84 131.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 58.934 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 65 Resp: 135339
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.4

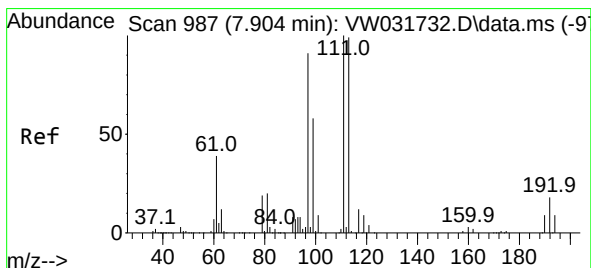
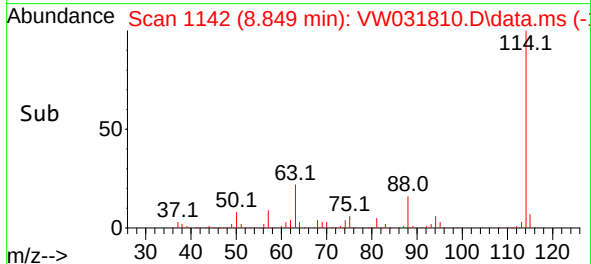
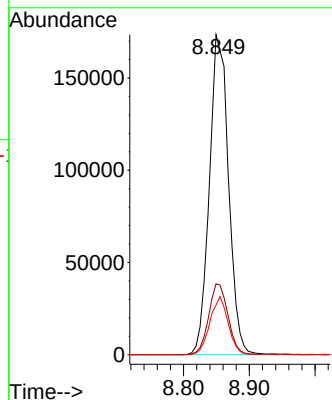
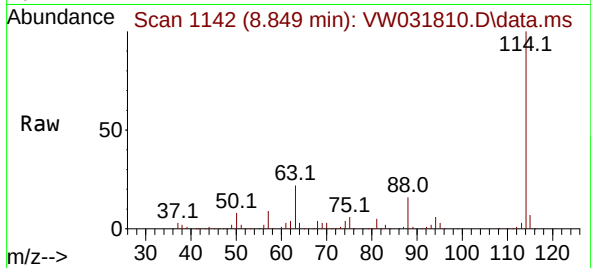




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW031810.D
 Acq: 10 Jul 2025 17:48

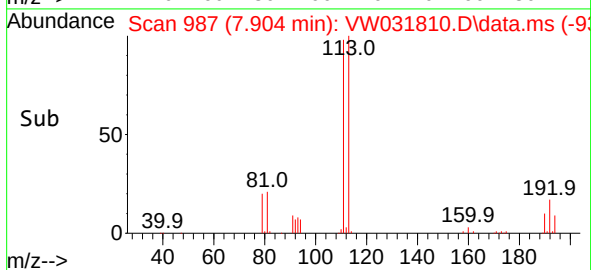
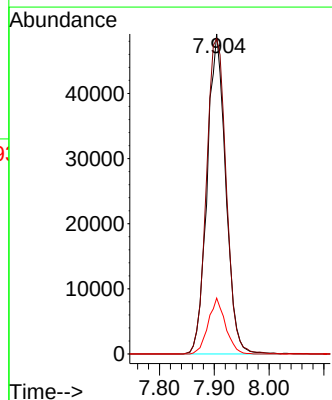
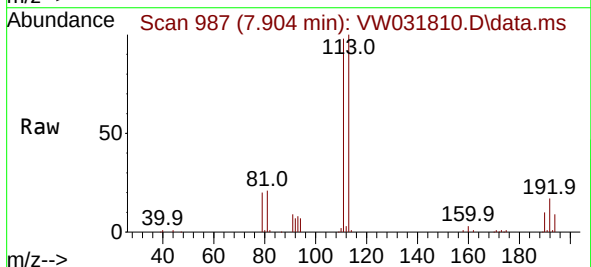
Instrument :
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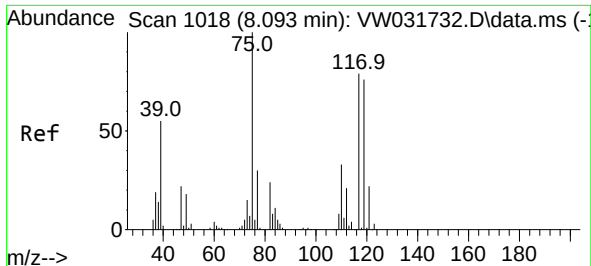
Tgt Ion:114 Resp: 352818
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.6
 88 15.5 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 50.089 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031810.D
 Acq: 10 Jul 2025 17:48

Tgt Ion:113 Resp: 115320
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.1 123.1
 192 16.2 13.8 20.6

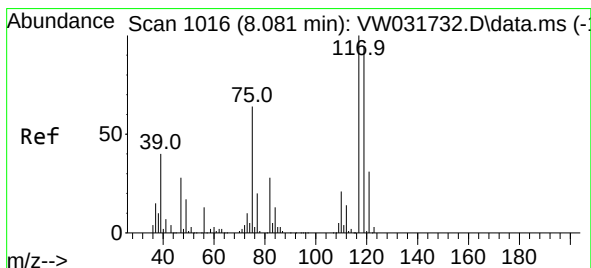
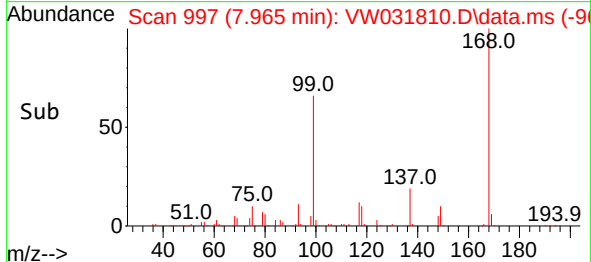
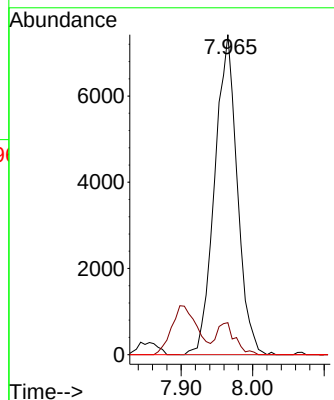
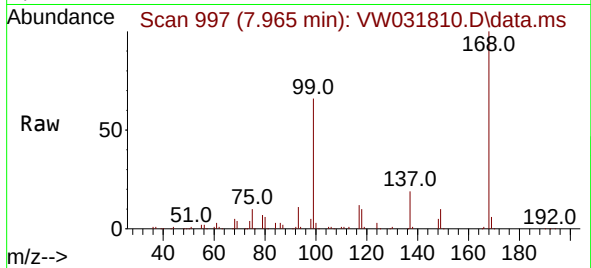




#36
 1,1-Dichloropropene
 Concen: 4.884 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031810.D
 Acq: 10 Jul 2025 17:48

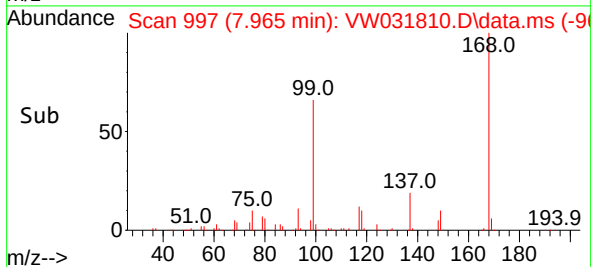
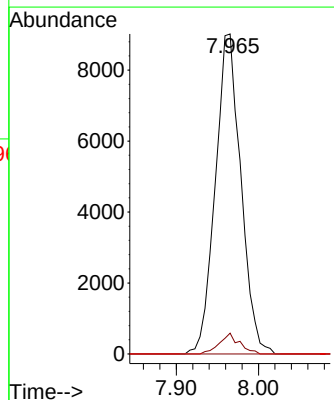
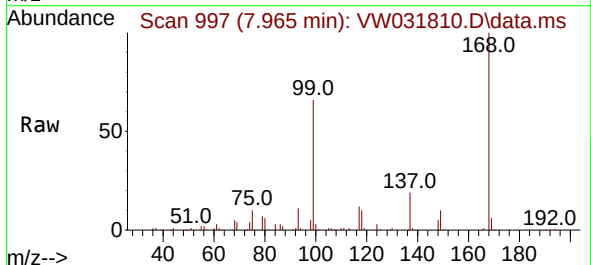
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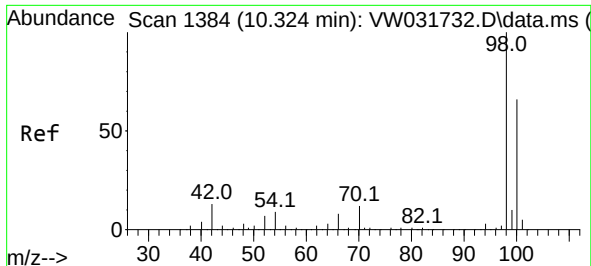
Tgt Ion: 75 Resp: 16272
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.737 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031810.D
 Acq: 10 Jul 2025 17:48

Tgt Ion: 117 Resp: 19478
 Ion Ratio Lower Upper
 117 100
 119 6.5 75.0 112.6#
 121 0.0 24.6 37.0#

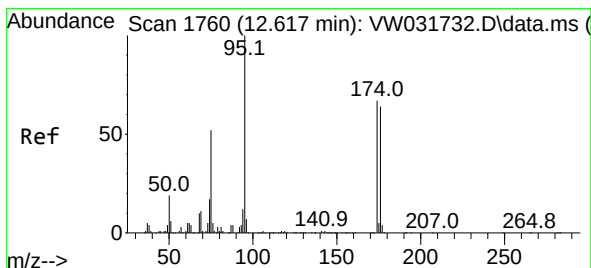
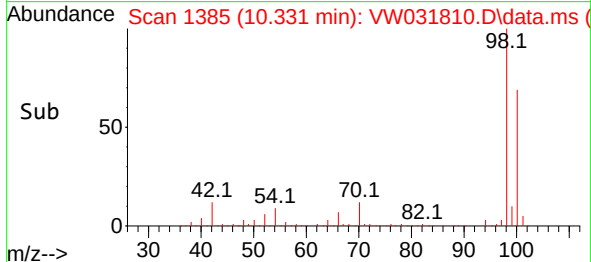
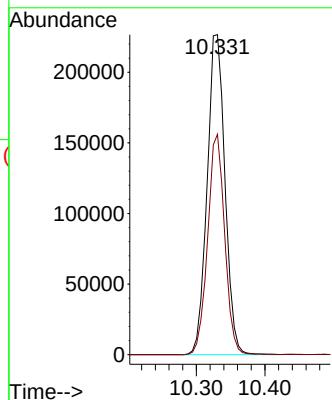
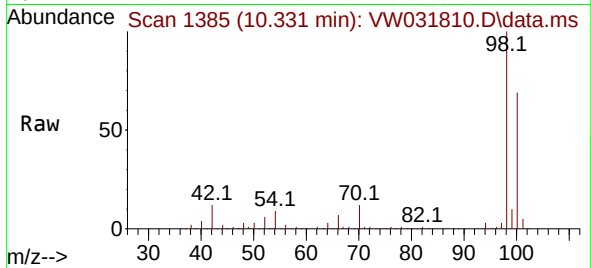




#50
Toluene-d8
Concen: 47.969 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

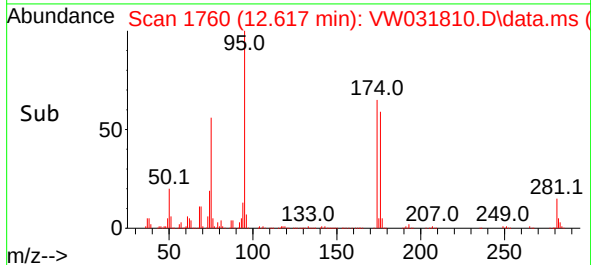
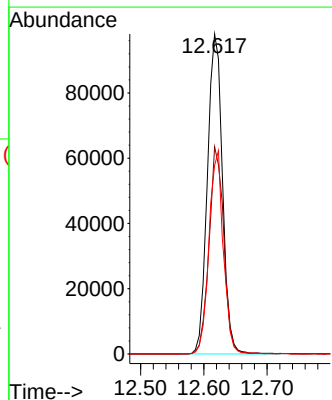
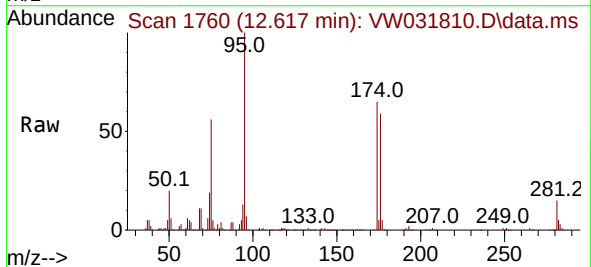
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TP-49

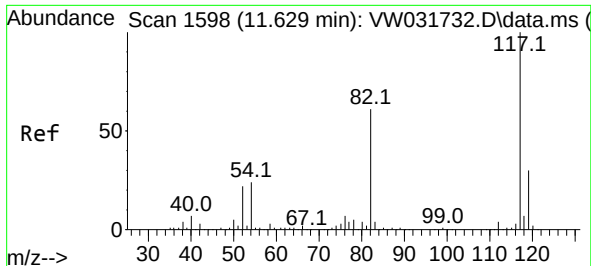
Tgt Ion: 98 Resp: 410989
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.556 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 95 Resp: 162553
Ion Ratio Lower Upper
95 100
174 63.5 0.0 133.8
176 60.5 0.0 126.0

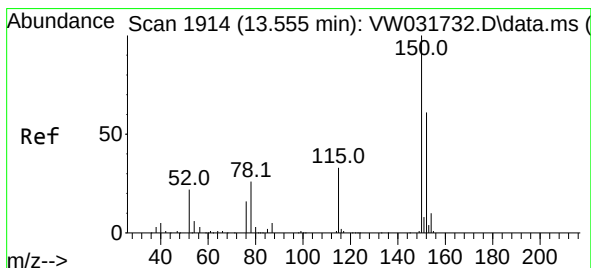
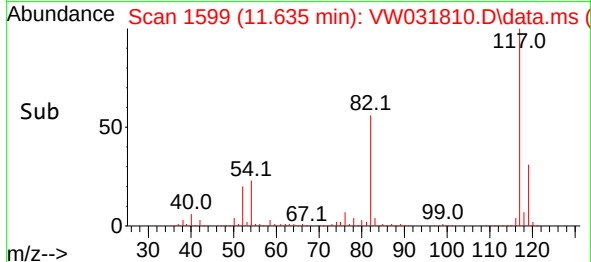
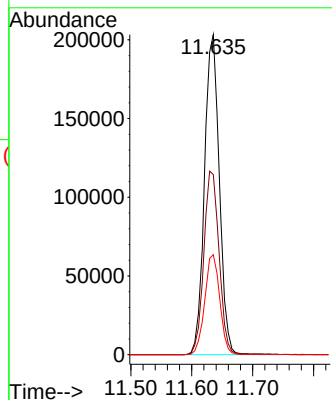
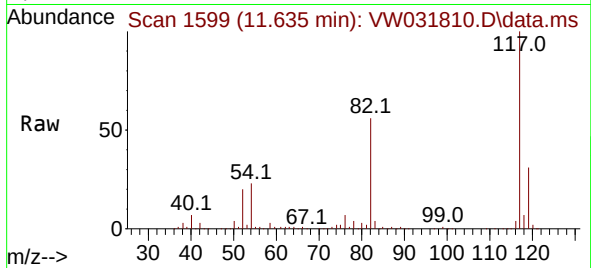




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. 0.006 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

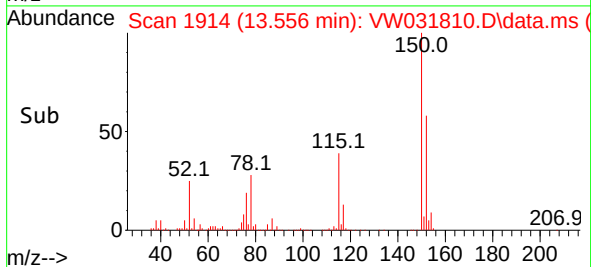
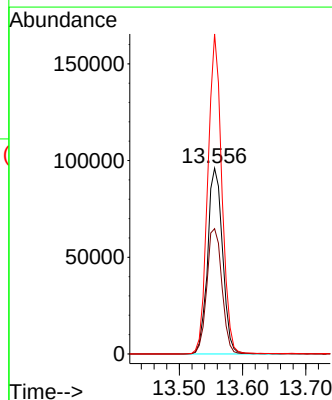
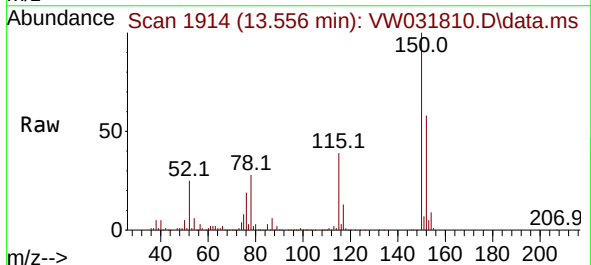
Instrument :
MSVOA_W
ClientSampleId :
TP-49

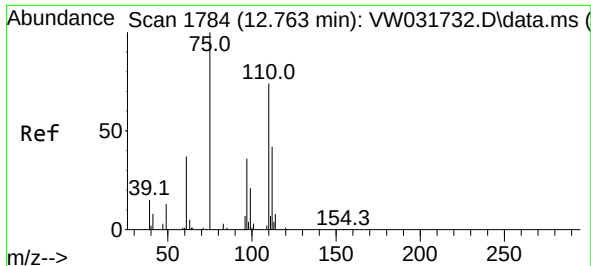
Tgt Ion:117 Resp: 344995
Ion Ratio Lower Upper
117 100
82 56.3 48.6 72.8
119 31.3 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion:152 Resp: 157809
Ion Ratio Lower Upper
152 100
115 68.4 31.9 95.7
150 161.7 0.0 356.4

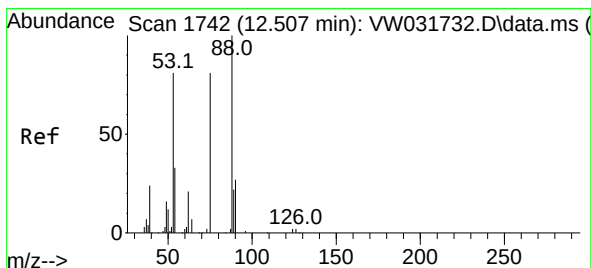
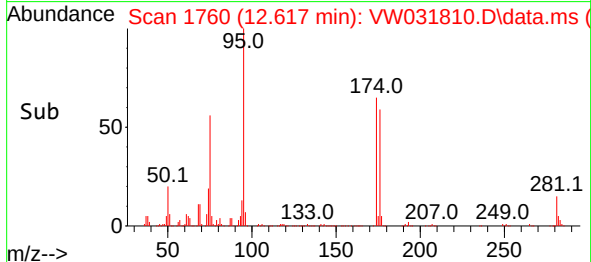
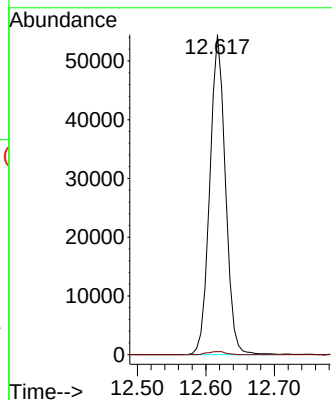
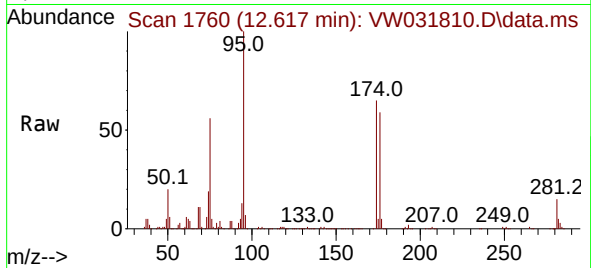




#76
1,2,3-Trichloropropane
Concen: 42.430 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Instrument :
MSVOA_W
ClientSampleId :
TP-49

Tgt Ion: 75 Resp: 86528
Ion Ratio Lower Upper
75 100
77 1.1 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.825 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031810.D
Acq: 10 Jul 2025 17:48

Tgt Ion: 75 Resp: 86528
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.5 38.3 57.5#

