

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032153.D
 Acq On : 28 Aug 2025 12:58
 Operator : SY/MD
 Sample : Q2971-01
 Misc : 5.04g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Aug 29 01:18:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

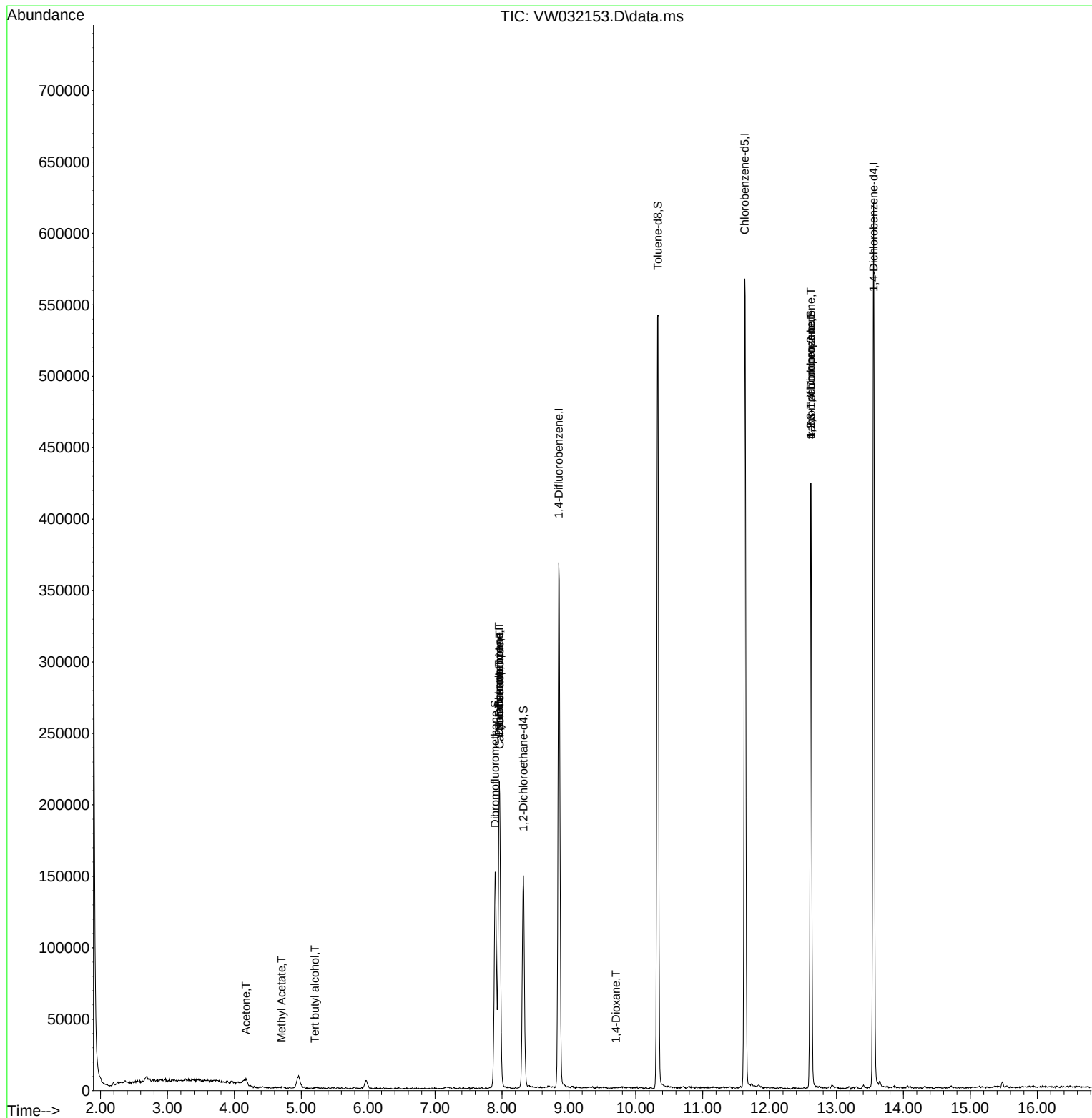
Internal Standards						
1) Pentafluorobenzene	7.959	168	155586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	306974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	307697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	160874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	122798	55.188	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	110.380%	
35) Dibromofluoromethane	7.898	113	107639	49.978	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	99.960%	
50) Toluene-d8	10.331	98	354696	46.914	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	93.820%	
62) 4-Bromofluorobenzene	12.617	95	135832	48.585	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	97.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.204	59	212	1.558	ug/l #	69
16) Acetone	4.173	43	3143	6.522	ug/l #	87
18) Methyl Acetate	4.704	43	1941	1.264	ug/l #	50
31) Cyclohexane	7.959	56	4263	1.561	ug/l #	29
36) 1,1-Dichloropropene	7.959	75	13697	4.905	ug/l #	48
38) Carbon Tetrachloride	7.965	117	17406	5.815	ug/l #	17
49) 1,4-Dioxane	9.703	88	43	2.439	ug/l #	55
76) 1,2,3-Trichloropropane	12.617	75	73001	36.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	73001	97.524	ug/l #	5

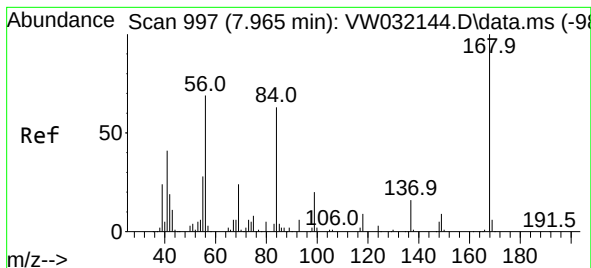
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

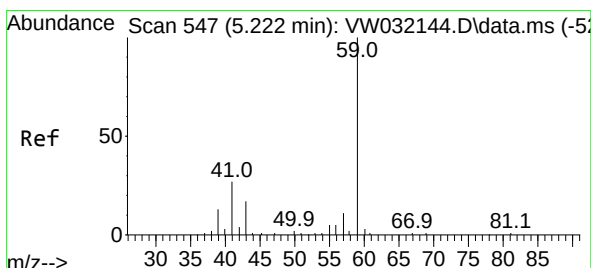
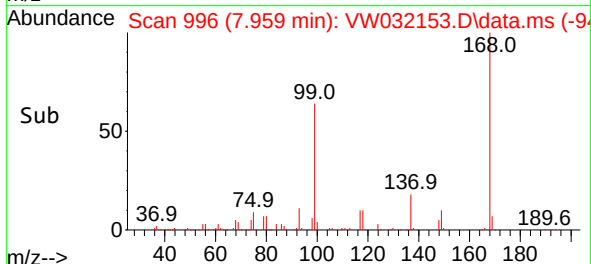
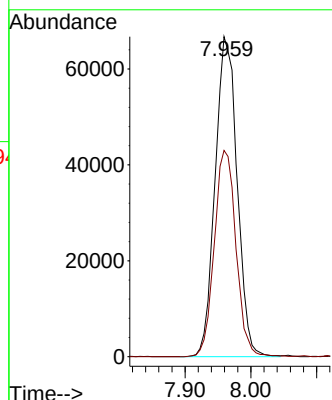
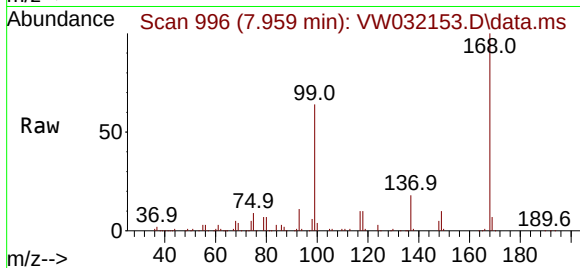
MDL-SOIL-03-QT3-2025

Tgt Ion:168 Resp: 155586

Ion Ratio Lower Upper

168 100

99 64.4 49.3 73.9



#11

Tert butyl alcohol

Concen: 1.558 ug/l

RT: 5.204 min Scan# 544

Delta R.T. -0.018 min

Lab File: VW032153.D

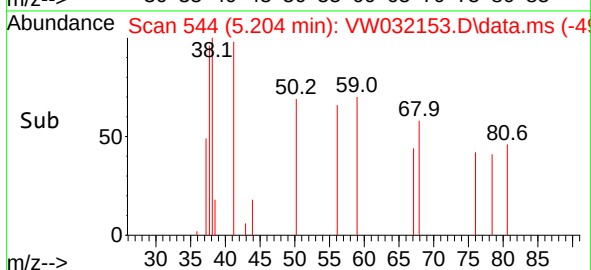
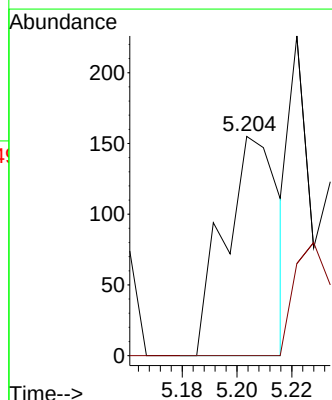
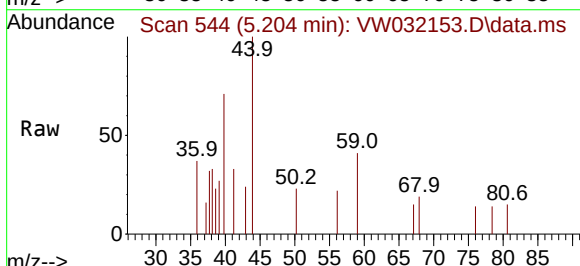
Acq: 28 Aug 2025 12:58

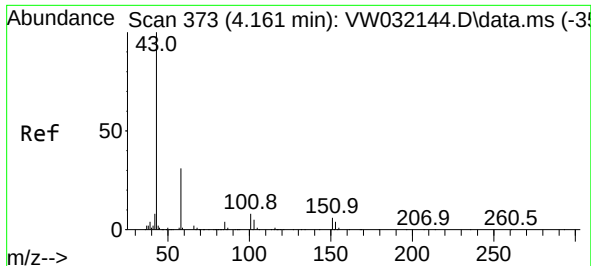
Tgt Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

57 0.0 9.8 14.6#

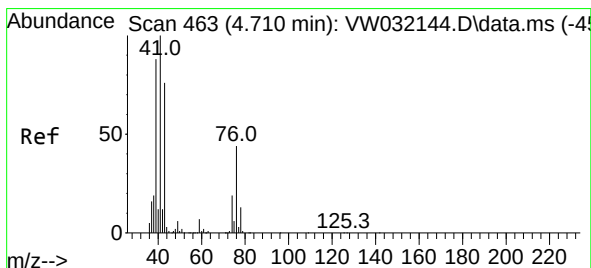
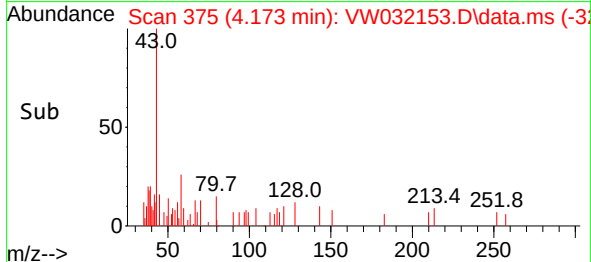
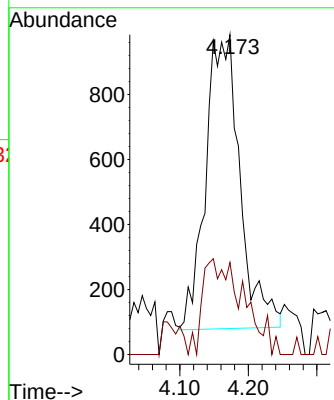
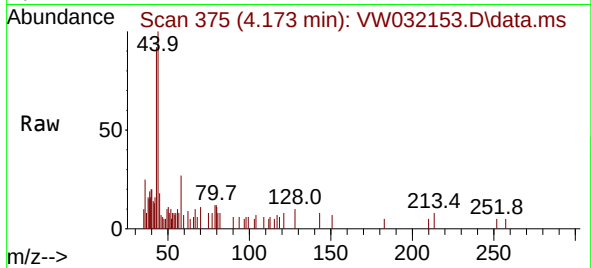




#16
Acetone
Concen: 6.522 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

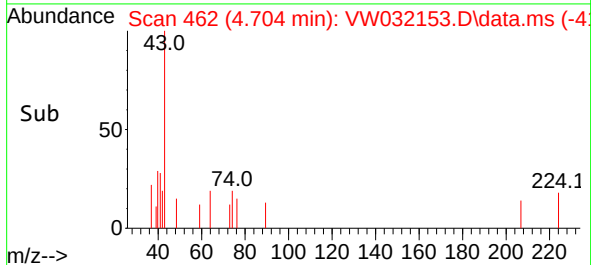
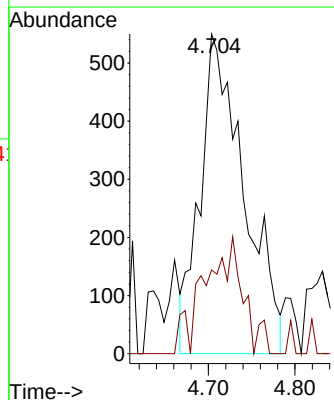
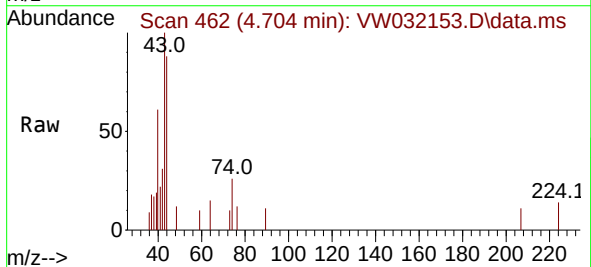
Instrument :
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MDL-SOIL-03-QT3-2025

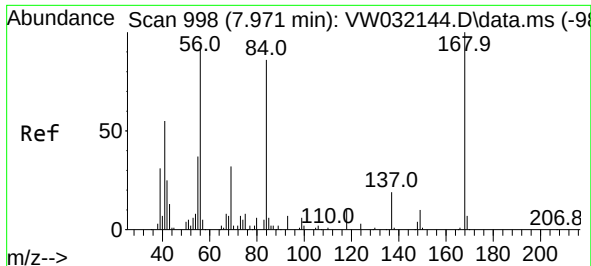
Tgt Ion: 43 Resp: 3143
Ion Ratio Lower Upper
43 100
58 24.2 25.3 37.9#



#18
Methyl Acetate
Concen: 1.264 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

Tgt Ion: 43 Resp: 1941
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#

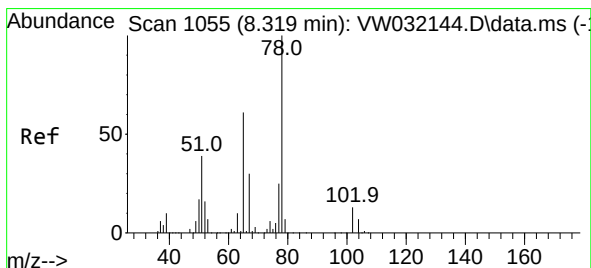
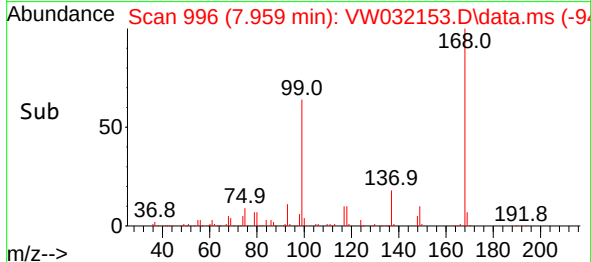
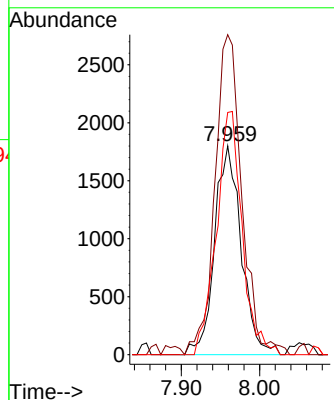
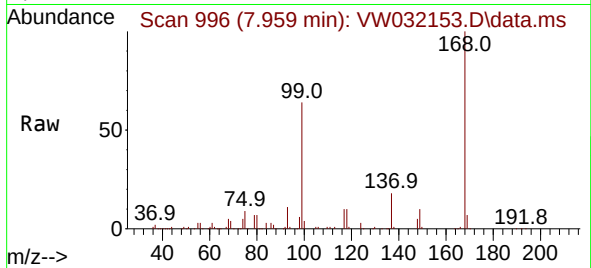




#31
Cyclohexane
Concen: 1.561 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

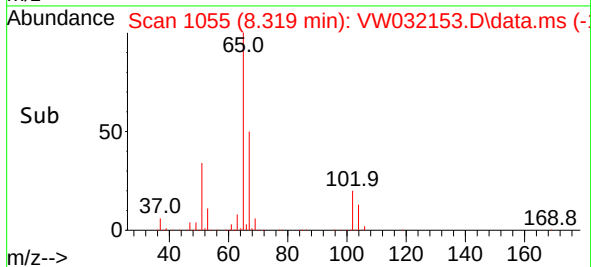
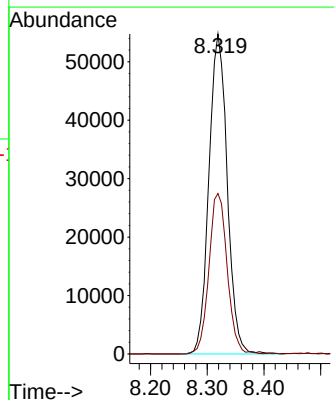
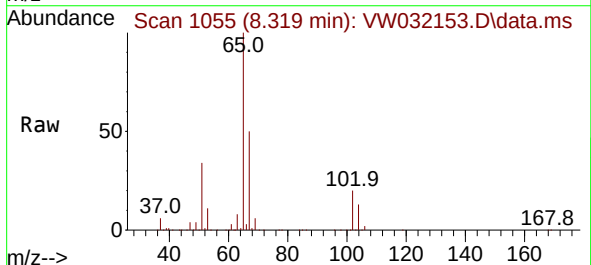
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

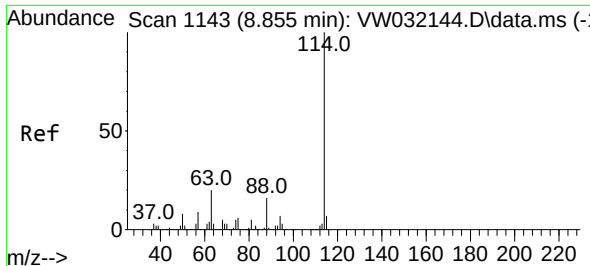
Tgt Ion: 56 Resp: 4263
Ion Ratio Lower Upper
56 100
69 150.4 27.7 41.5#
84 116.0 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 55.188 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

Tgt Ion: 65 Resp: 122798
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.6

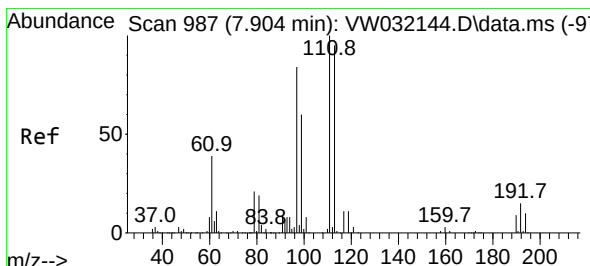
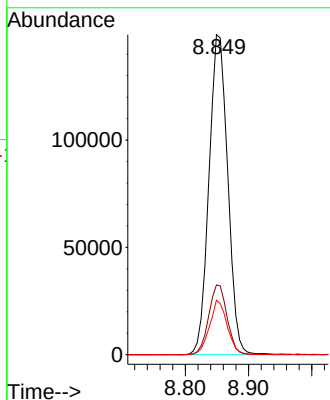
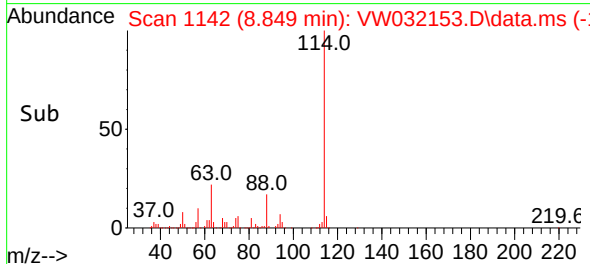
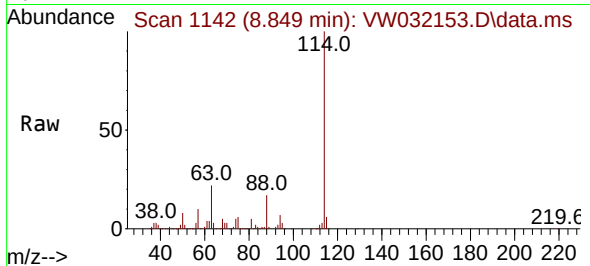




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

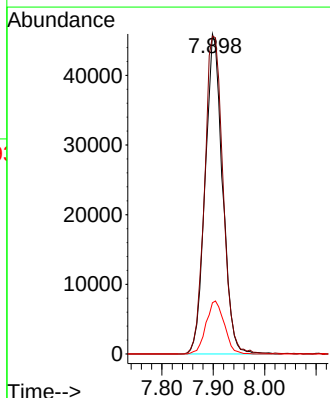
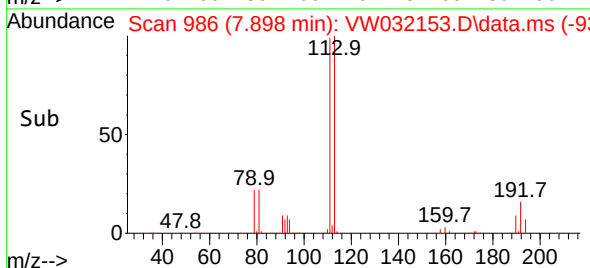
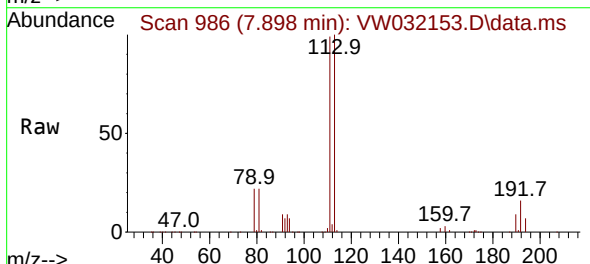
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT3-2025

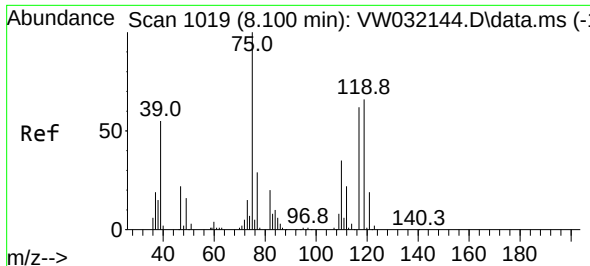
Tgt Ion:114 Resp: 306974
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.4
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.978 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

Tgt Ion:113 Resp: 107639
Ion Ratio Lower Upper
113 100
111 105.2 83.9 125.9
192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032153.D

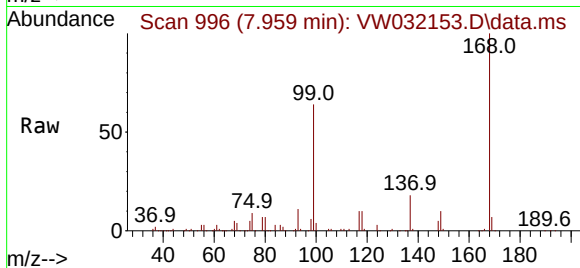
Acq: 28 Aug 2025 12:58

Instrument :

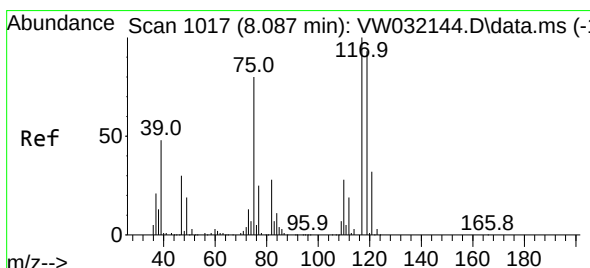
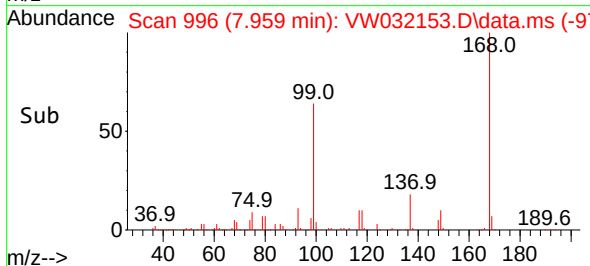
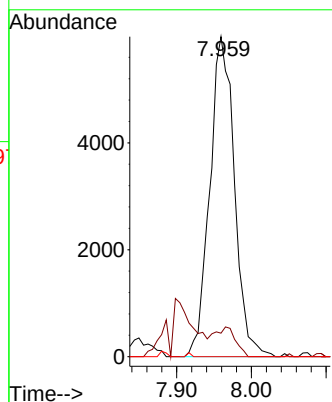
MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025



Tgt Ion:	75	Resp:	13697
Ion Ratio	Lower	Upper	
75	100		
110	7.0	17.5	52.5#
77	0.0	24.1	36.1#



#38

Carbon Tetrachloride

Concen: 5.815 ug/l

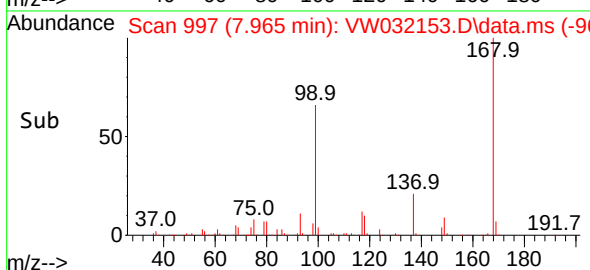
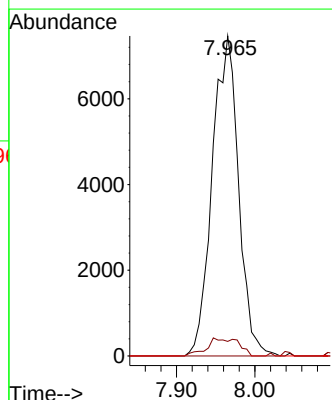
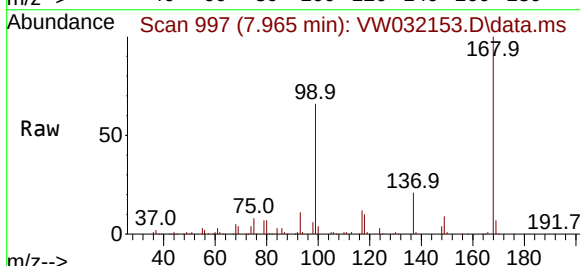
RT: 7.965 min Scan# 997

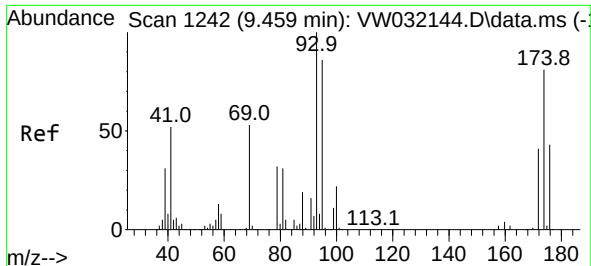
Delta R.T. -0.122 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:58

Tgt Ion:	117	Resp:	17406
Ion Ratio	Lower	Upper	
117	100		
119	4.5	74.2	111.2#
121	0.0	25.6	38.4#





#49

1,4-Dioxane

Concen: 2.439 ug/l

RT: 9.703 min Scan# 11

Delta R.T. 0.244 min

Lab File: VW032153.D

Acq: 28 Aug 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT3-2025

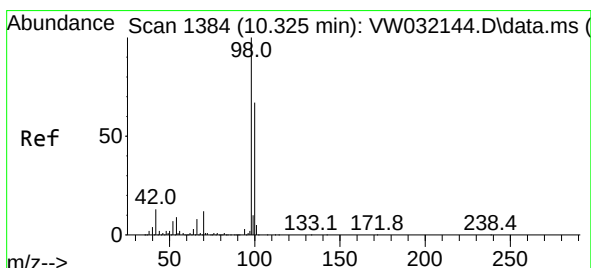
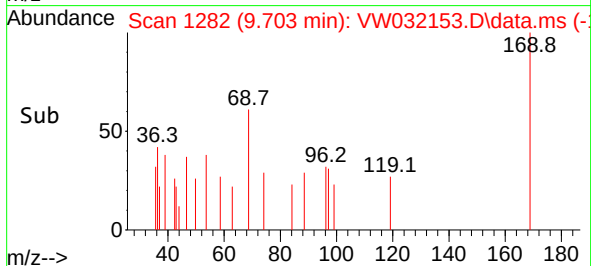
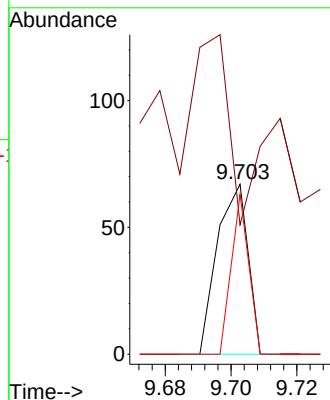
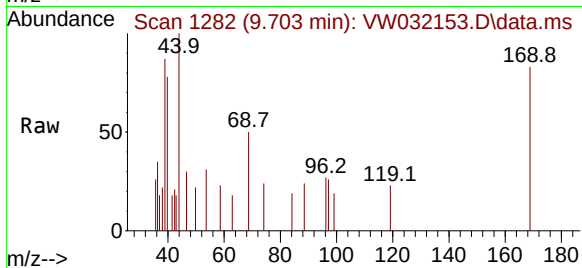
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 81.4 18.0 27.0#

58 53.5 55.4 83.0#



#50

Toluene-d8

Concen: 46.914 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032153.D

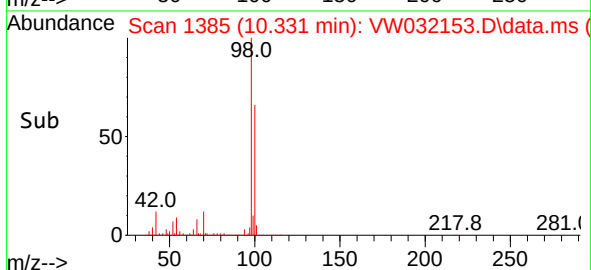
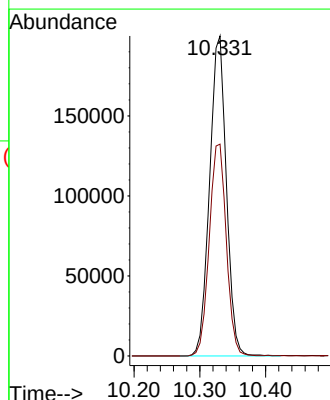
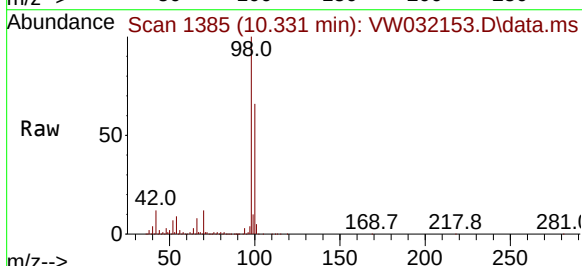
Acq: 28 Aug 2025 12:58

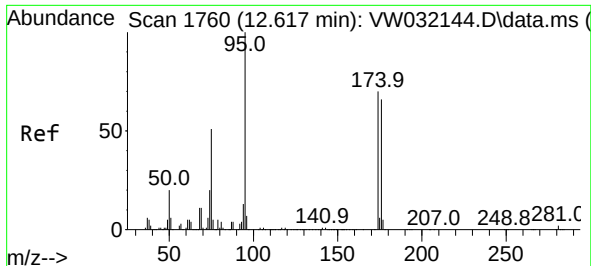
Tgt Ion: 98 Resp: 354696

Ion Ratio Lower Upper

98 100

100 67.3 51.4 77.2

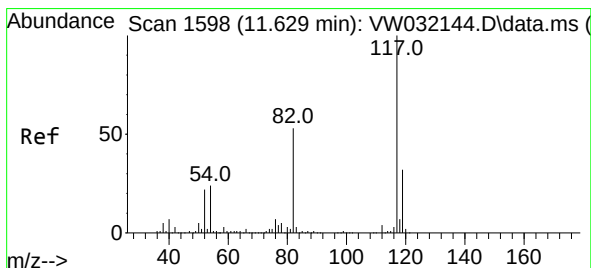
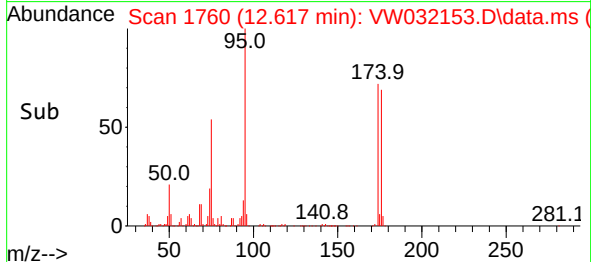
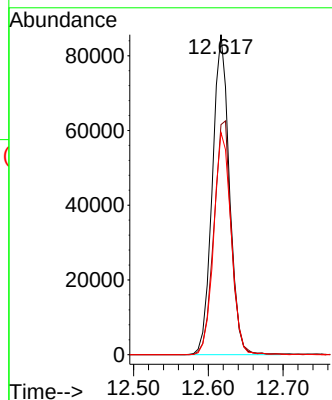
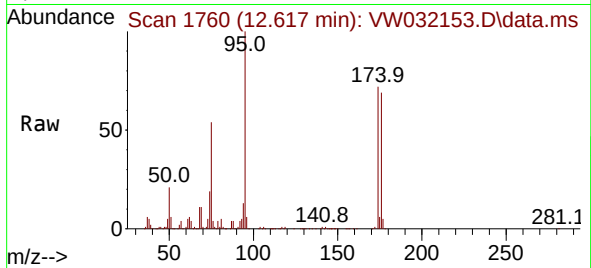




#62
4-Bromofluorobenzene
Concen: 48.585 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

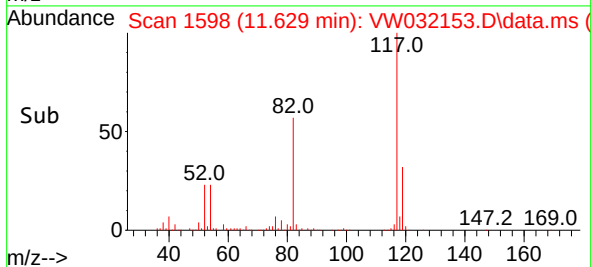
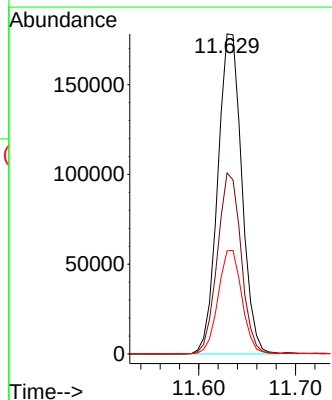
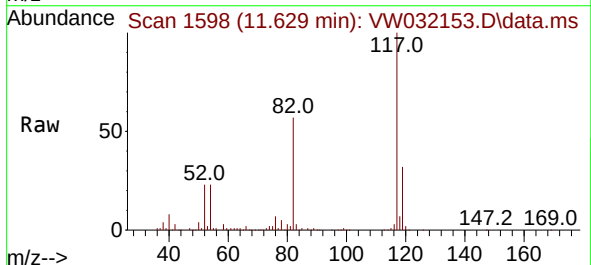
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

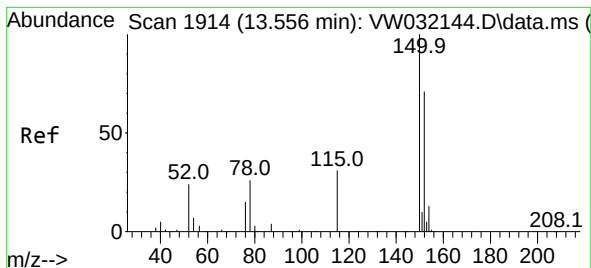
Tgt Ion: 95 Resp: 135832
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.6
176 70.9 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

Tgt Ion: 117 Resp: 307697
Ion Ratio Lower Upper
117 100
82 56.5 42.7 64.1
119 32.1 25.2 37.8

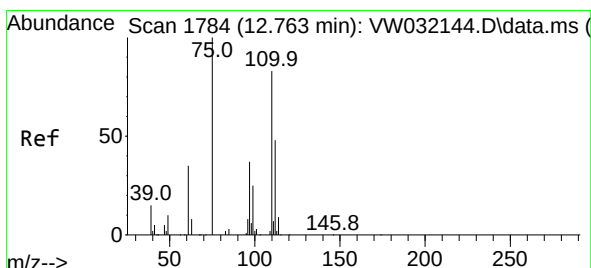
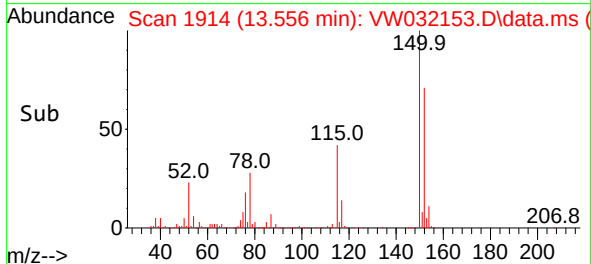
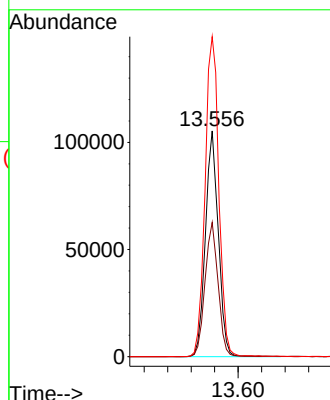
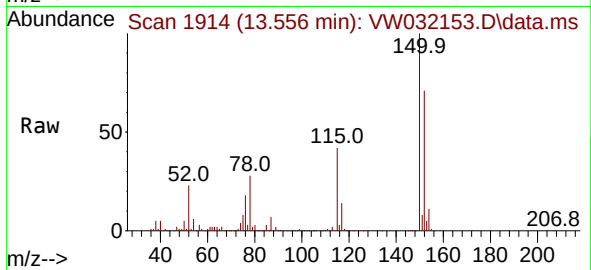




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

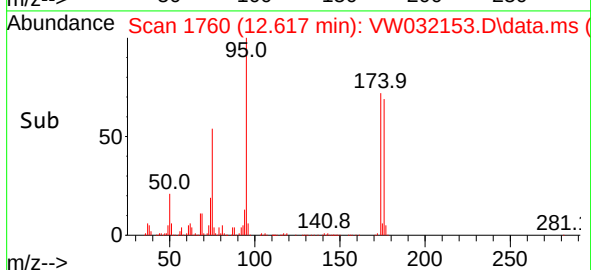
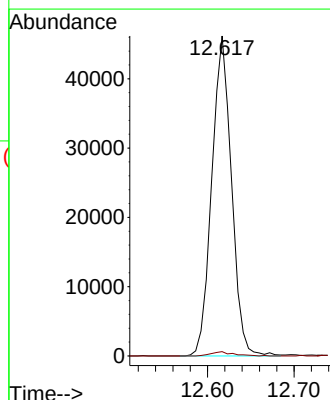
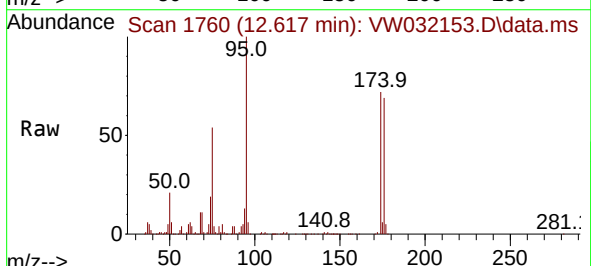
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025

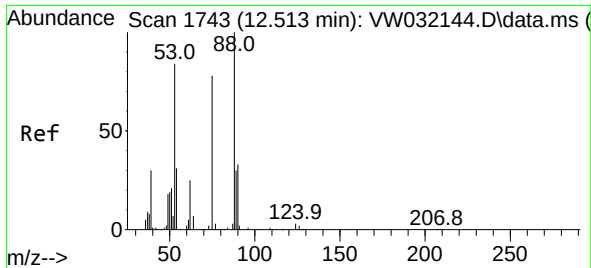
Tgt Ion:152 Resp: 160874
Ion Ratio Lower Upper
152 100
115 60.3 31.8 95.4
150 150.7 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 36.221 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

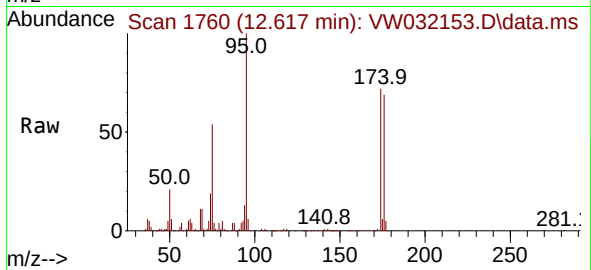
Tgt Ion: 75 Resp: 73001
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 97.524 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.103 min
Lab File: VW032153.D
Acq: 28 Aug 2025 12:58

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT3-2025



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	91.0	136.6#
89	0.0	39.4	59.2#

