

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032592.D
 Acq On : 08 Dec 2025 13:44
 Operator : SY/MD
 Sample : Q3790-03
 Misc : 5.40g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 304 FURMAN SOIL

Quant Time: Dec 09 02:18:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

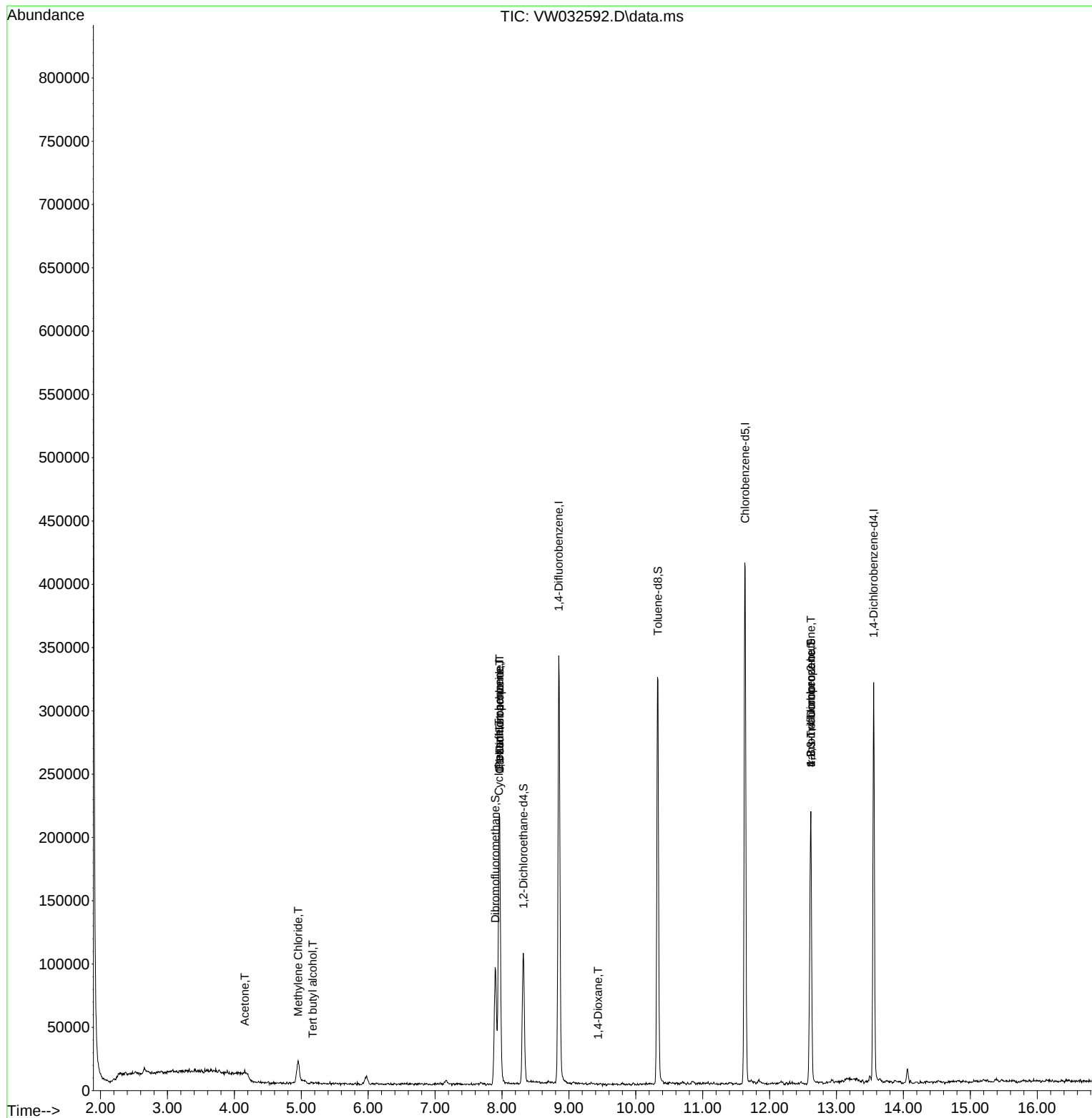
Internal Standards						
1) Pentafluorobenzene	7.959	168	148034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	272134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	235198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	77597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	84907	38.541	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	77.080%		
35) Dibromofluoromethane	7.898	113	69054	38.560	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	77.120%		
50) Toluene-d8	10.331	98	218514	32.427	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	64.860%#		
62) 4-Bromofluorobenzene	12.617	95	66322	26.639	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	53.280%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.173	59	314	1.853	ug/l #	46
16) Acetone	4.155	43	2645	3.842	ug/l	90
20) Methylene Chloride	4.954	84	13170	5.350	ug/l #	93
31) Cyclohexane	7.953	56	4768	1.350	ug/l #	26
36) 1,1-Dichloropropene	7.965	75	14787	5.413	ug/l #	51
38) Carbon Tetrachloride	7.965	117	16829	6.632	ug/l #	14
49) 1,4-Dioxane	9.434	88	104	6.961	ug/l #	27
76) 1,2,3-Trichloropropane	12.617	75	34383	32.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	34383	77.017	ug/l #	11

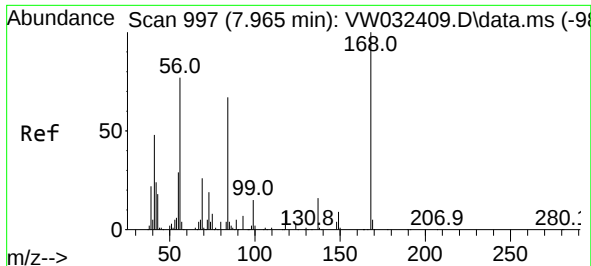
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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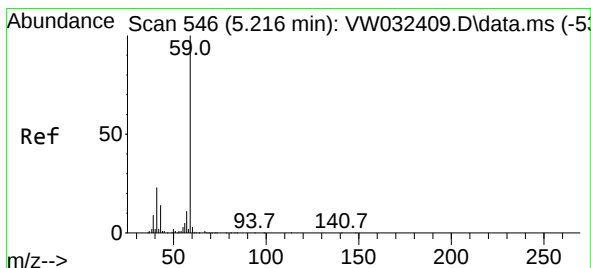
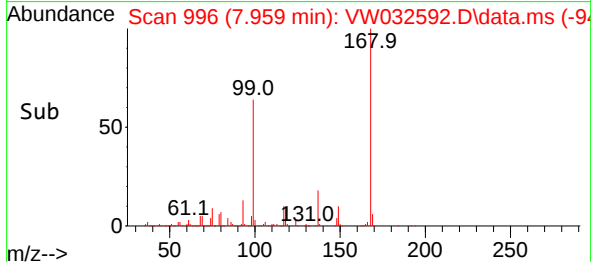
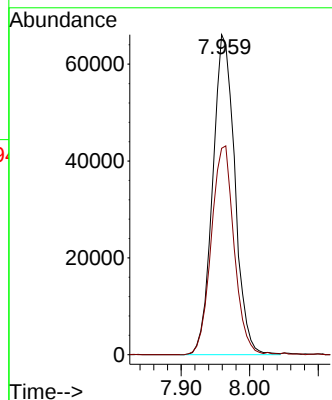
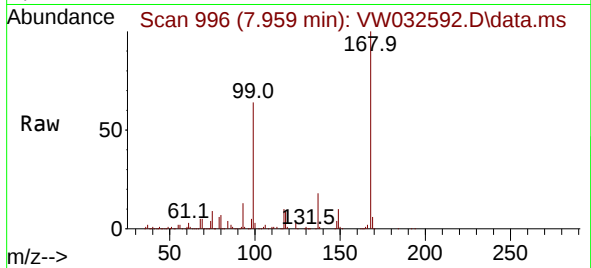




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

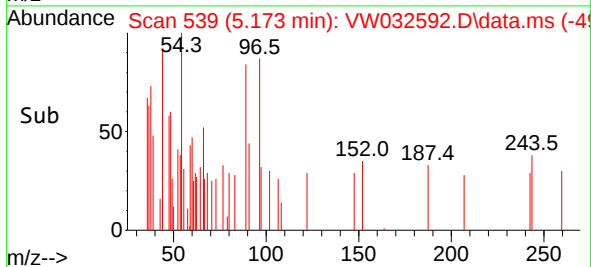
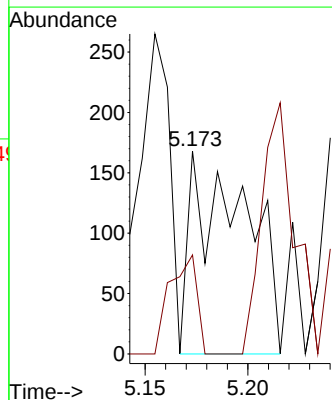
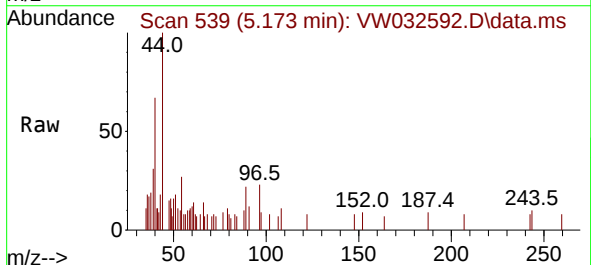
Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

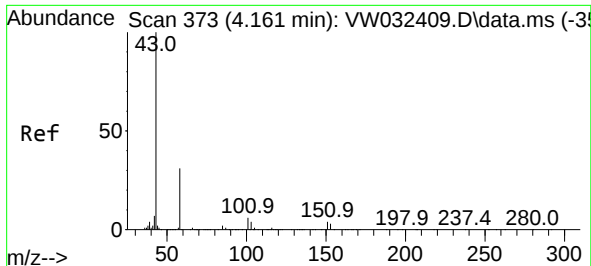
Tgt Ion:168 Resp: 148034
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.8



#11
Tert butyl alcohol
Concen: 1.853 ug/l
RT: 5.173 min Scan# 539
Delta R.T. -0.037 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 23.9 4.6 6.8#

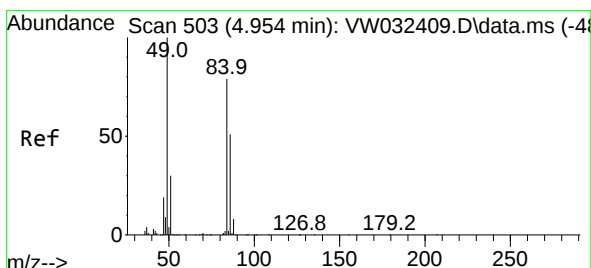
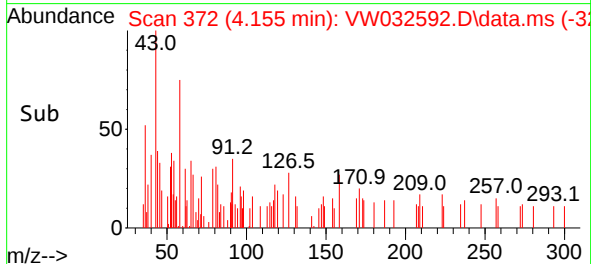
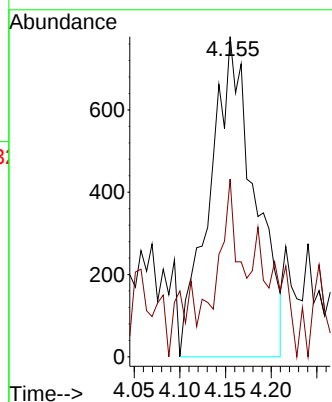
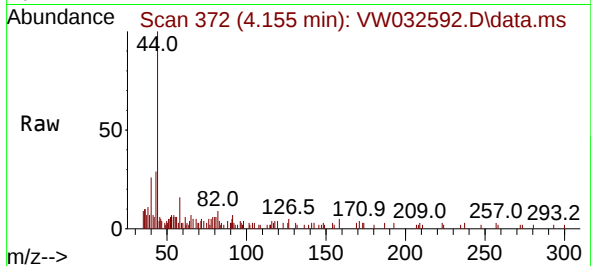




#16
Acetone
Concen: 3.842 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

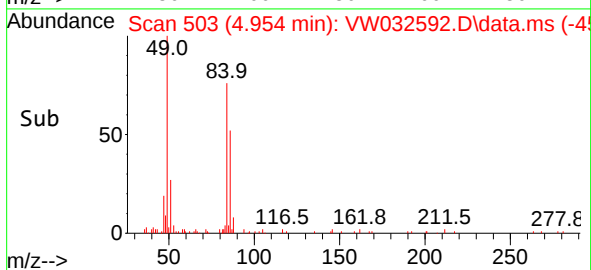
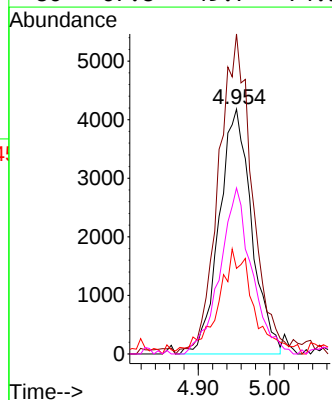
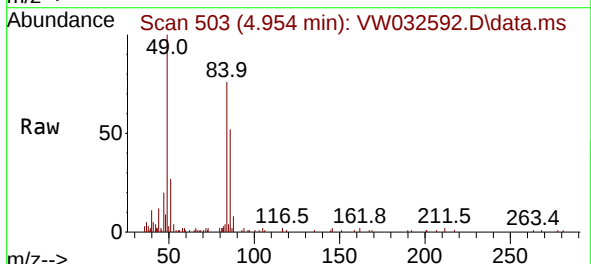
Instrument :
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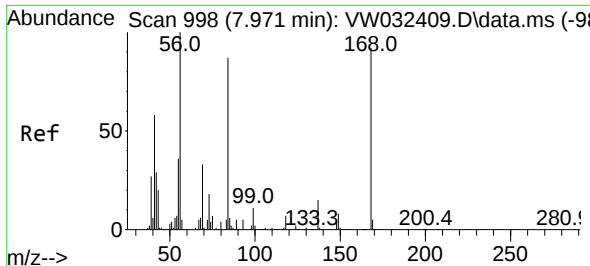
Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
58 35.0 23.5 35.3



#20
Methylene Chloride
Concen: 5.350 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 84 Resp: 13170
Ion Ratio Lower Upper
84 100
49 128.8 107.6 161.4
51 32.3 33.9 50.9#
86 67.8 49.7 74.5

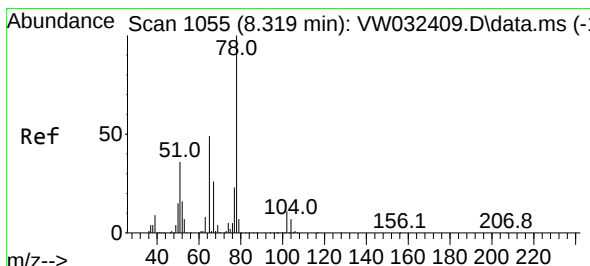
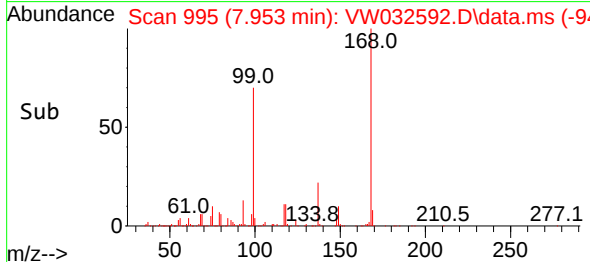
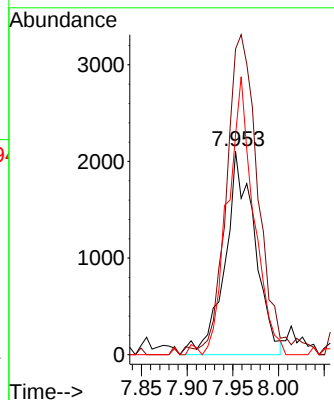
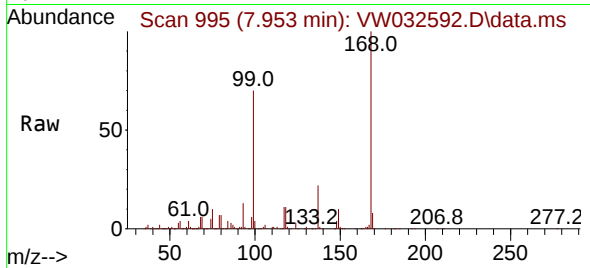




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.019 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

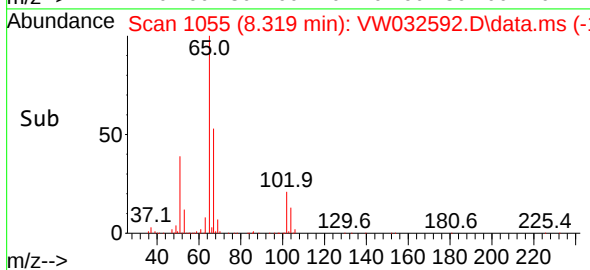
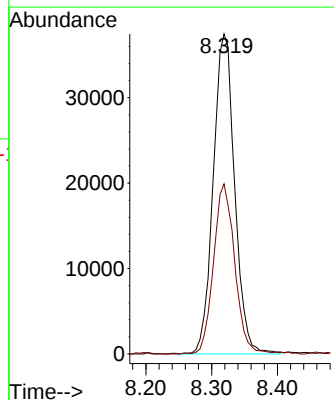
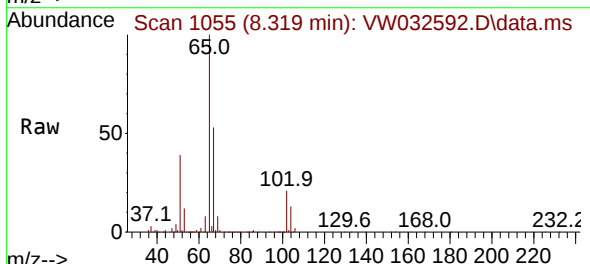
Instrument :
MSVOA_W
ClientSampleId :
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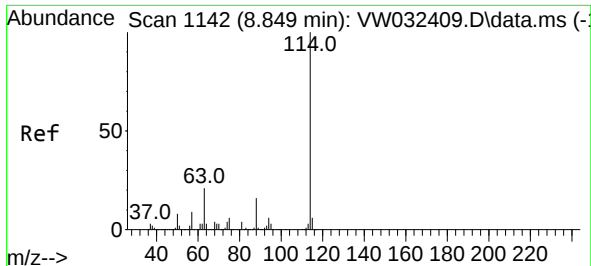
Tgt Ion: 56 Resp: 4768
Ion Ratio Lower Upper
56 100
69 150.3 27.3 40.9#
84 104.6 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 38.541 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 65 Resp: 84907
Ion Ratio Lower Upper
65 100
67 52.5 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032592.D

Acq: 08 Dec 2025 13:44

Instrument :

MSVOA_W

ClientSampleId :

304 FURMAN SOIL

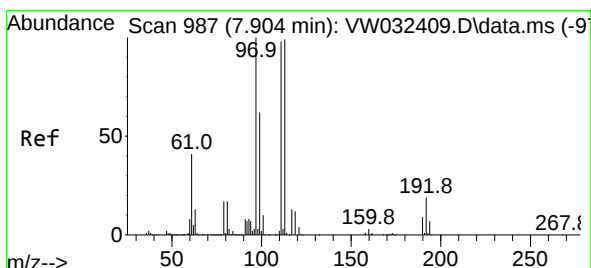
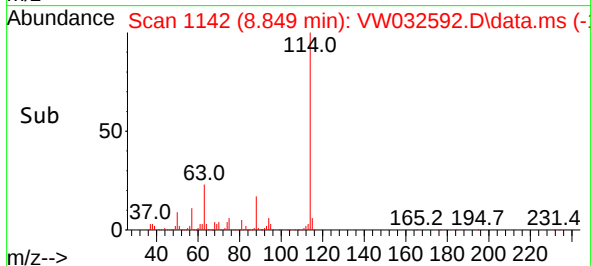
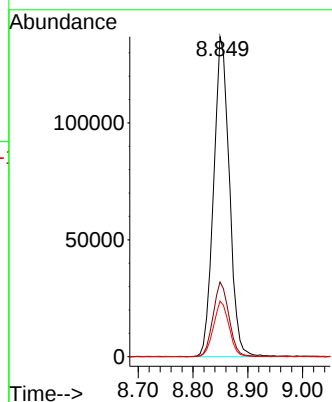
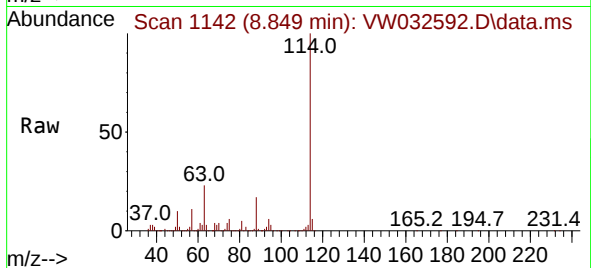
Tgt Ion:114 Resp: 272134

Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.6

88 17.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 38.560 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032592.D

Acq: 08 Dec 2025 13:44

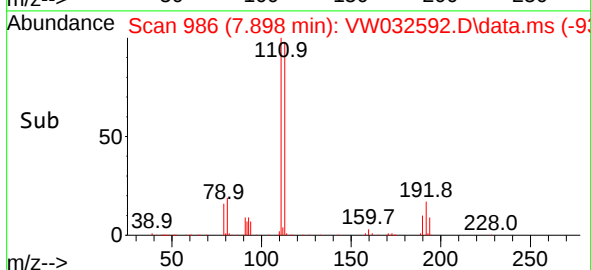
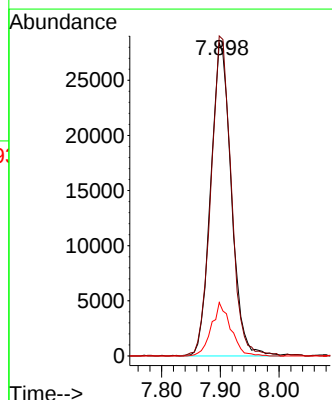
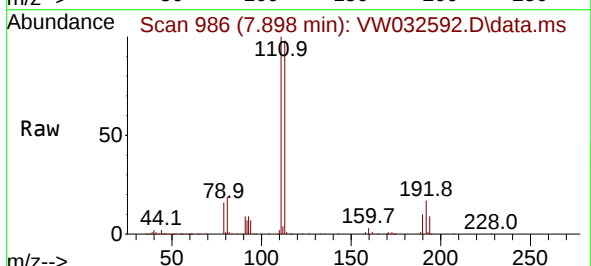
Tgt Ion:113 Resp: 69054

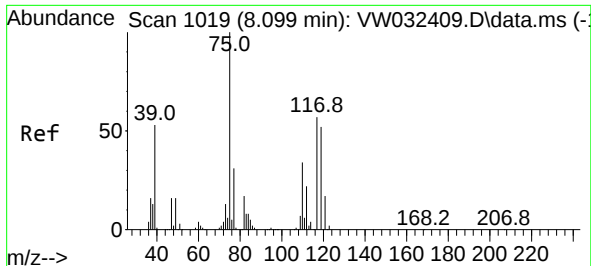
Ion Ratio Lower Upper

113 100

111 100.2 83.4 125.0

192 16.1 13.4 20.2

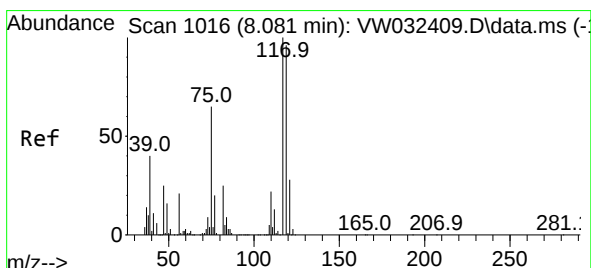
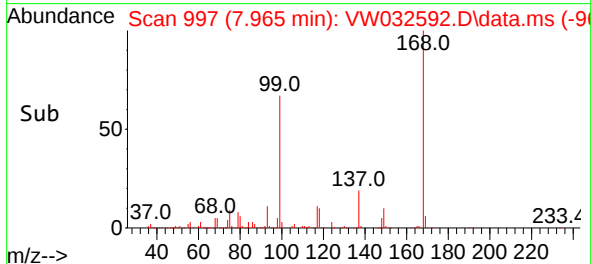
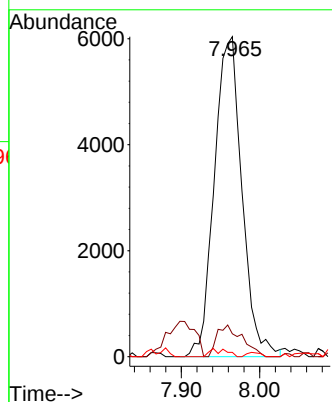
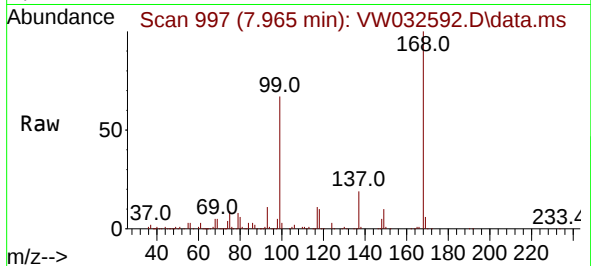




#36
1,1-Dichloropropene
Concen: 5.413 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.128 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

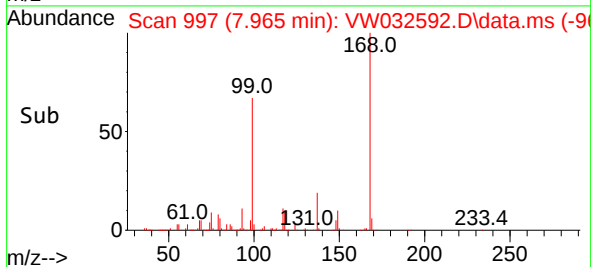
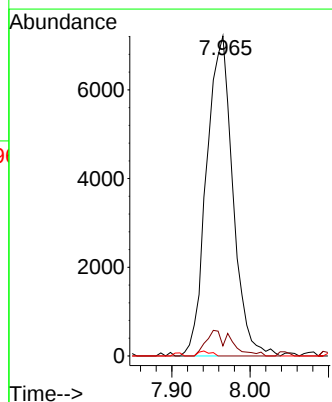
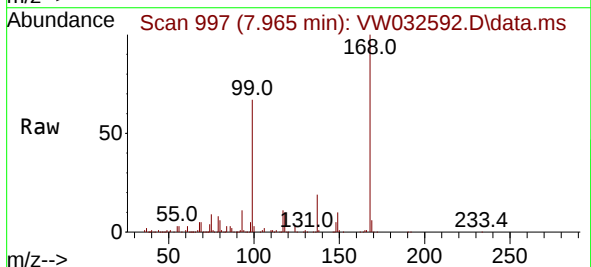
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304 FURMAN SOIL

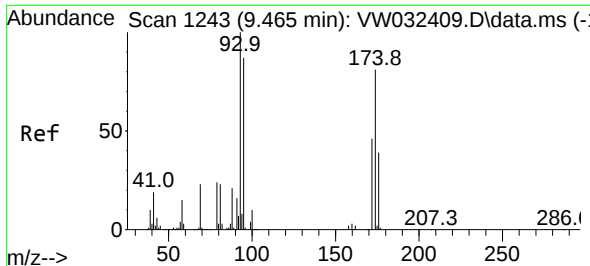
Tgt Ion: 75 Resp: 14787
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 117 Resp: 16829
Ion Ratio Lower Upper
117 100
119 3.1 76.9 115.3#
121 0.0 25.4 38.2#

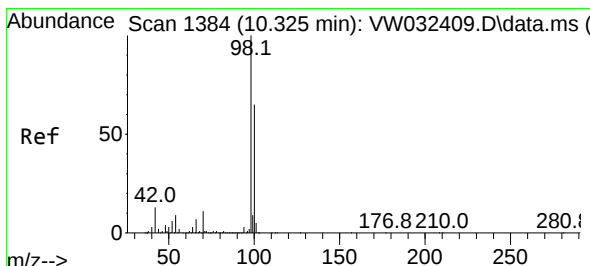
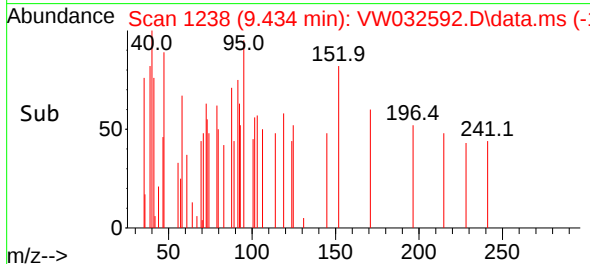
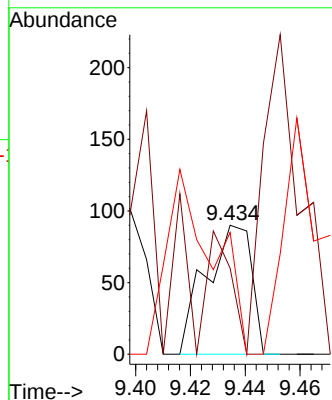
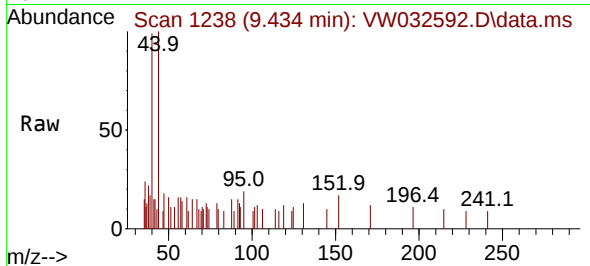




#49
1,4-Dioxane
Concen: 6.961 ug/l
RT: 9.434 min Scan# 11
Delta R.T. -0.025 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

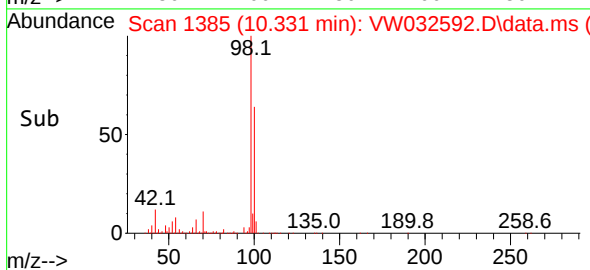
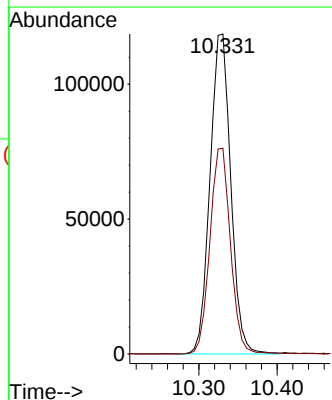
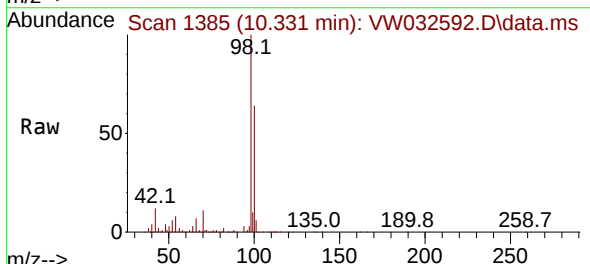
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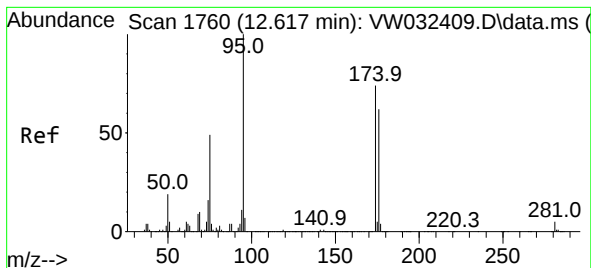
Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 146.2 65.2 97.8#



#50
Toluene-d8
Concen: 32.427 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 98 Resp: 218514
Ion Ratio Lower Upper
98 100
100 63.9 54.7 82.1

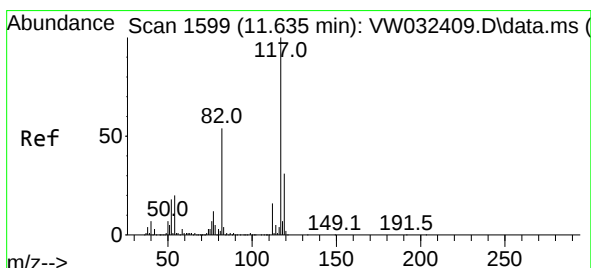
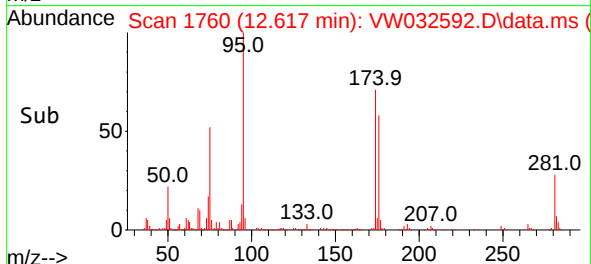
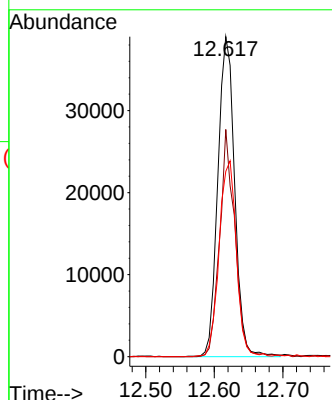
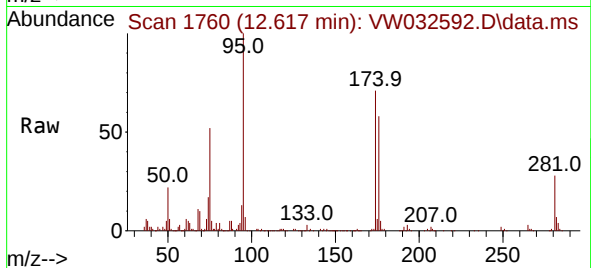




#62
4-Bromofluorobenzene
Concen: 26.639 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

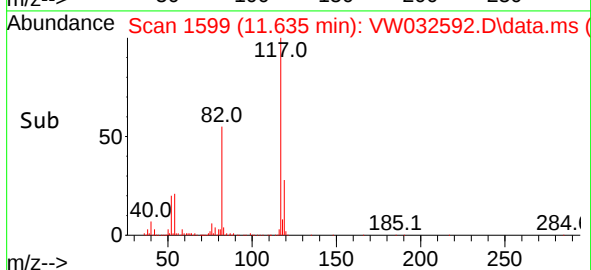
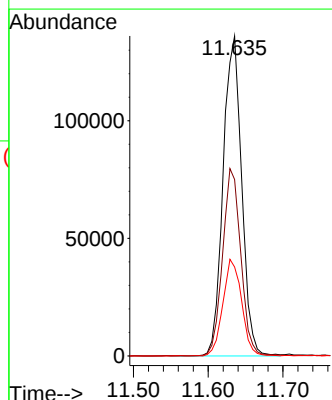
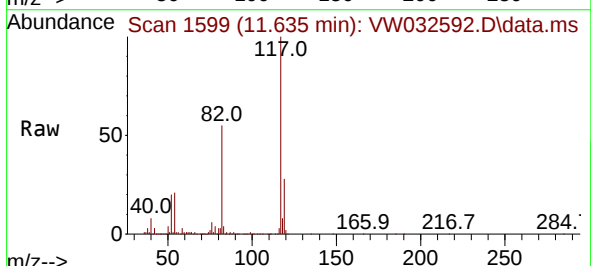
Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

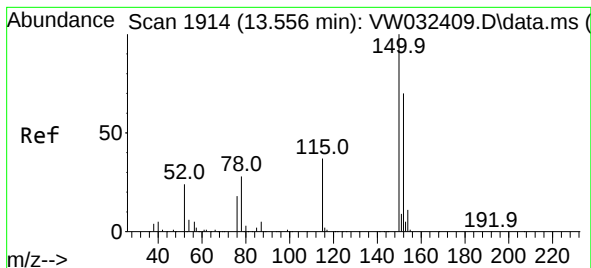
Tgt Ion: 95 Resp: 66322
Ion Ratio Lower Upper
95 100
174 64.6 0.0 141.2
176 62.8 0.0 130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

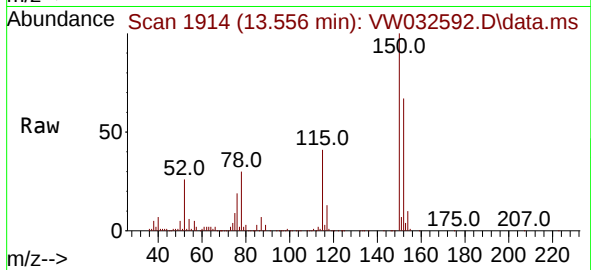
Tgt Ion: 117 Resp: 235198
Ion Ratio Lower Upper
117 100
82 55.0 45.9 68.9
119 27.8 26.3 39.5



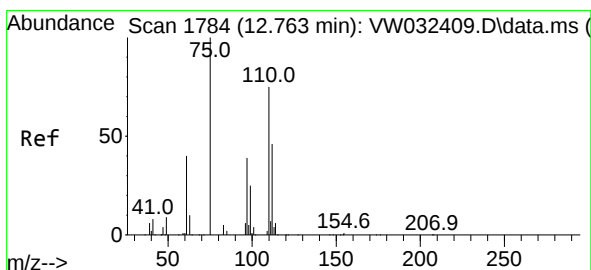
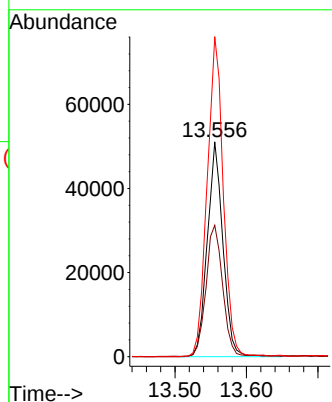
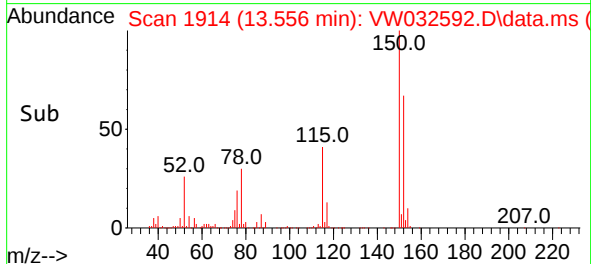


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Instrument :
MSVOA_W
ClientSampleId :
304 FURMAN SOIL

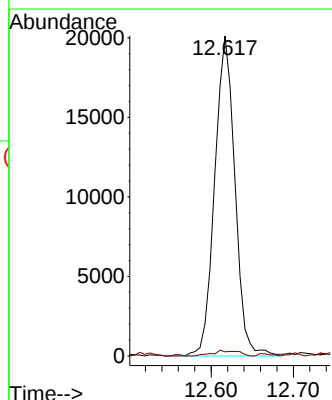
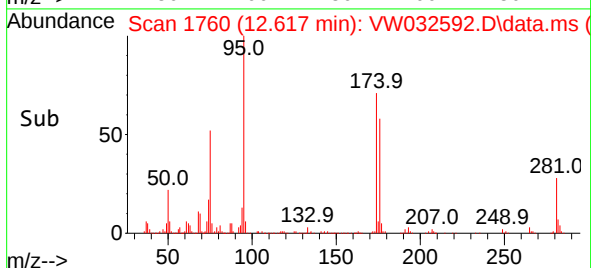
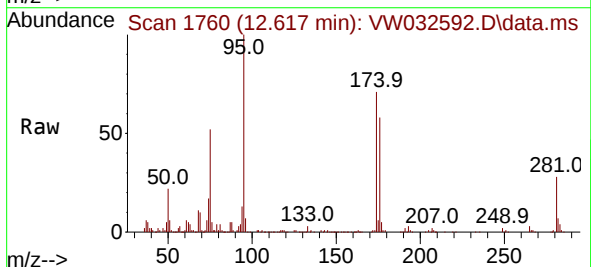


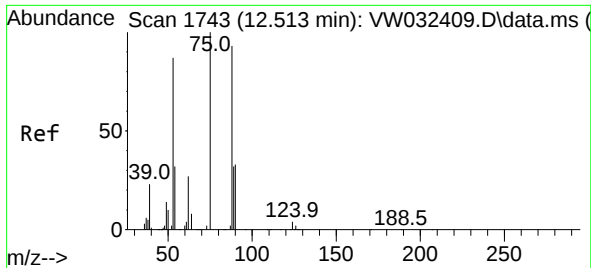
Tgt Ion:152 Resp: 77597
Ion Ratio Lower Upper
152 100
115 65.1 31.1 93.3
150 153.8 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 32.745 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032592.D
Acq: 08 Dec 2025 13:44

Tgt Ion: 75 Resp: 34383
Ion Ratio Lower Upper
75 100
77 2.2 148.2 444.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.017 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032592.D
 Acq: 08 Dec 2025 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 304 FURMAN SOIL

Tgt Ion: 75 Resp: 34383
 Ion Ratio Lower Upper
 75 100
 53 1.3 80.8 121.2#
 89 1.7 31.4 47.2#

