

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120825\
 Data File : VW032588.D
 Acq On : 08 Dec 2025 12:18
 Operator : SY/MD
 Sample : Q3801-03
 Misc : 6.90g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOIL-1-VOC

Quant Time: Dec 09 02:16:24 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)

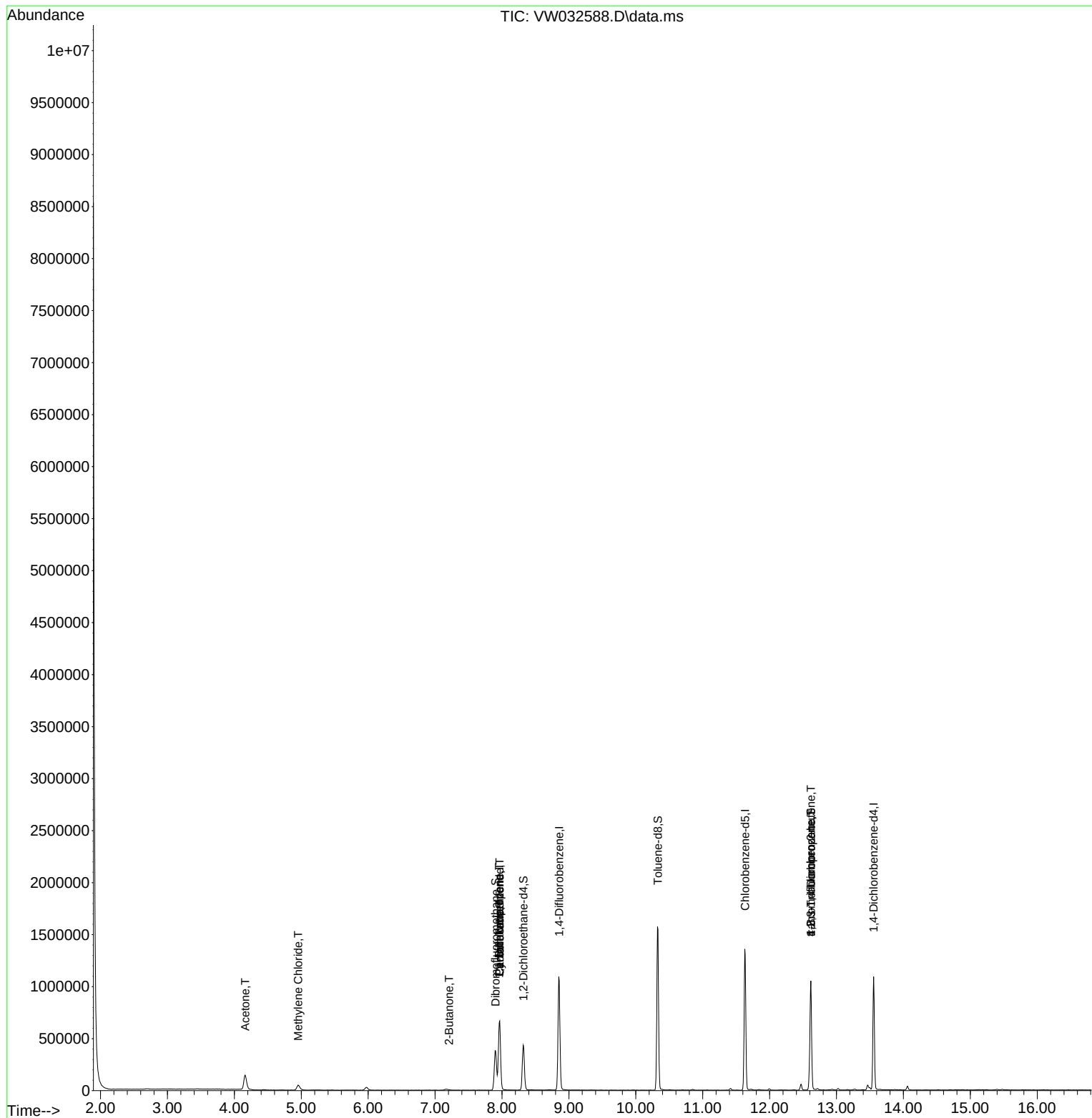
Internal Standards						
1) Pentafluorobenzene	7.965	168	465764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	906085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	737323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	271908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	356231	51.393	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.780%
35) Dibromofluoromethane	7.904	113	286629	48.071	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.140%
50) Toluene-d8	10.331	98	1030622	45.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.617	95	331813	40.028	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.060%
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	267674	123.583	ug/l	98
20) Methylene Chloride	4.954	84	36981	4.774	ug/l	98
25) 2-Butanone	7.209	43	3970	1.428	ug/l	93
31) Cyclohexane	7.965	56	12275	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	45983	5.056	ug/l #	50
38) Carbon Tetrachloride	7.965	117	51593	6.106	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	172388	46.853	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	172388	110.198	ug/l #	10

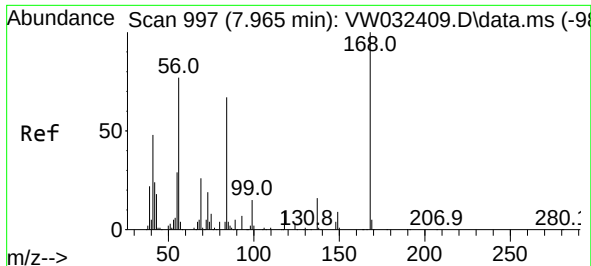
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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SOIL-1-VOC

Quant Time: Dec 09 02:16:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

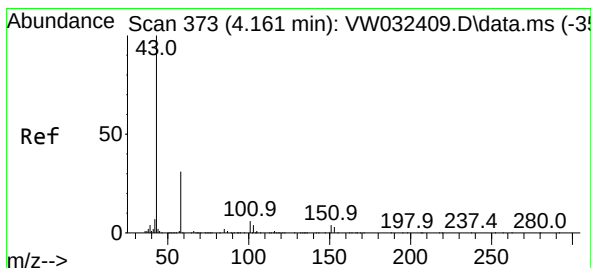
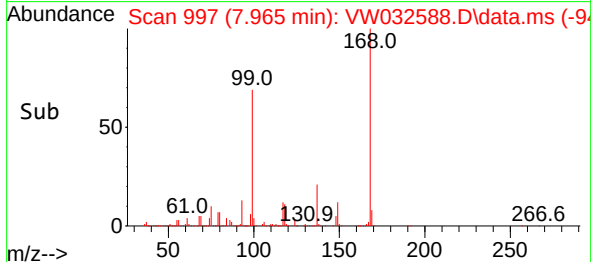
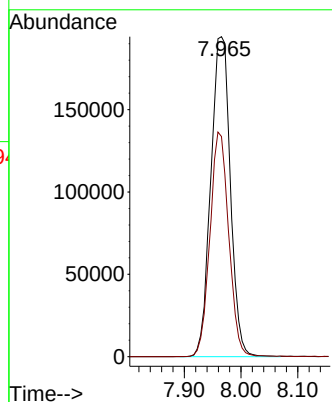
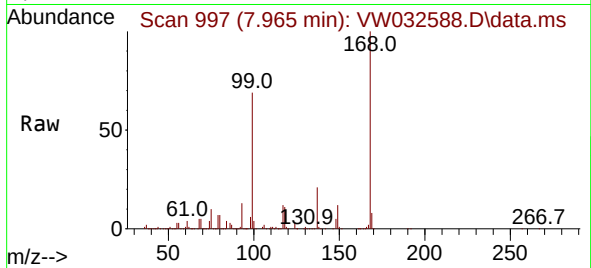




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

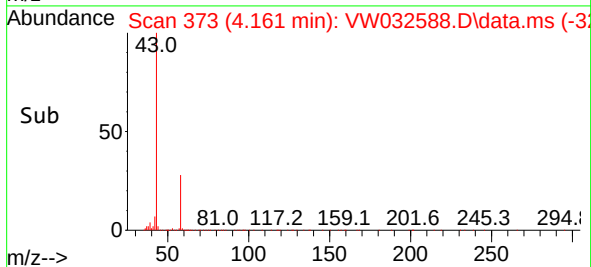
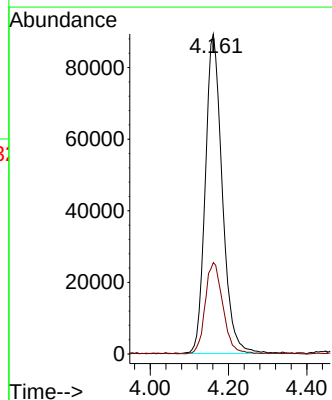
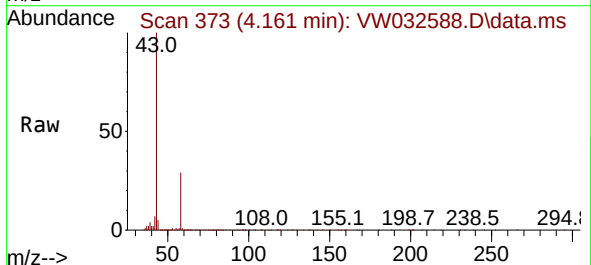
Instrument :
MSVOA_W
ClientSampleId :
SOIL-1-VOC

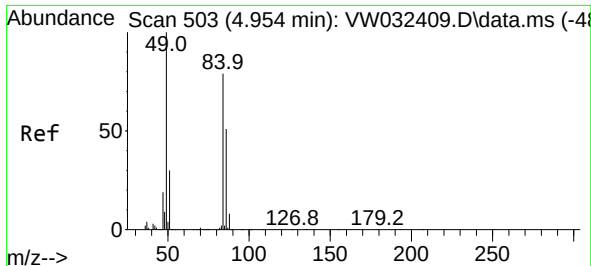
Tgt Ion:168 Resp: 465764
Ion Ratio Lower Upper
168 100
99 68.8 51.8 77.8



#16
Acetone
Concen: 123.583 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 43 Resp: 267674
Ion Ratio Lower Upper
43 100
58 28.5 23.5 35.3

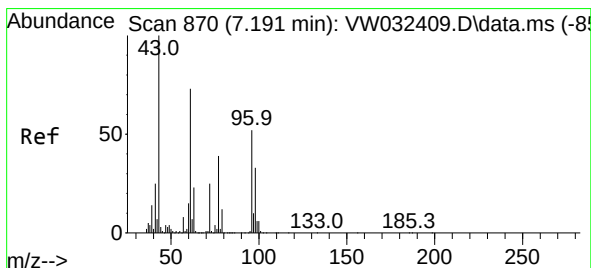
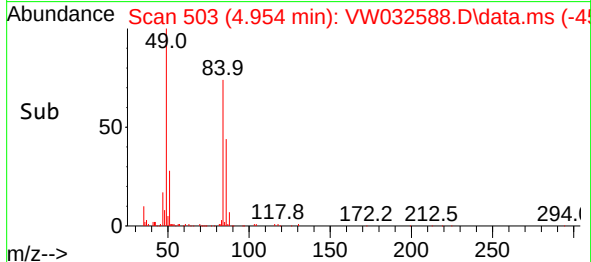
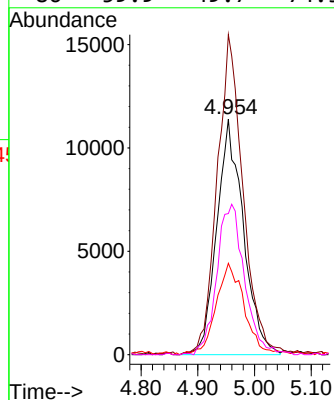
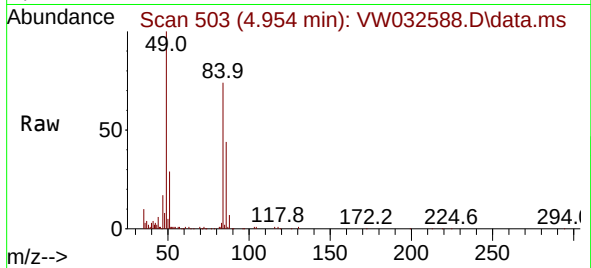




#20
Methylene Chloride
Concen: 4.774 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

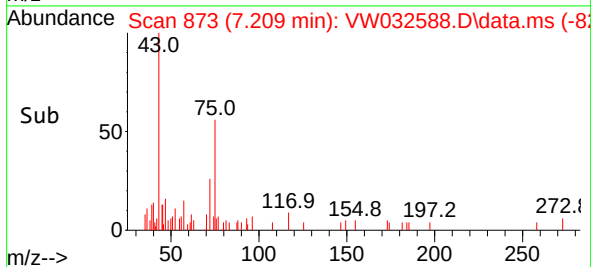
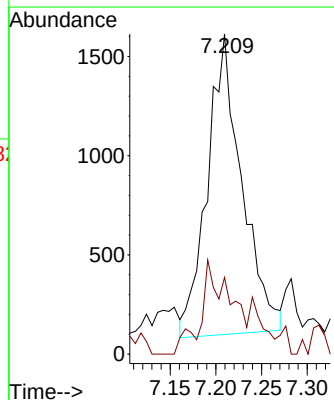
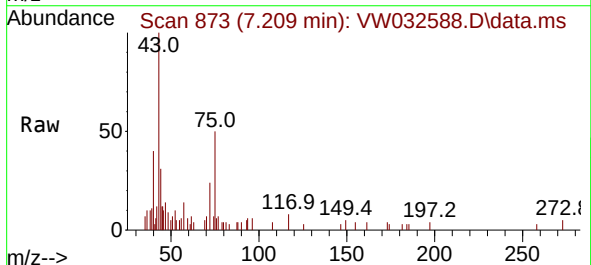
Instrument :
MSVOA_W
ClientSampleId :
SOIL-1-VOC

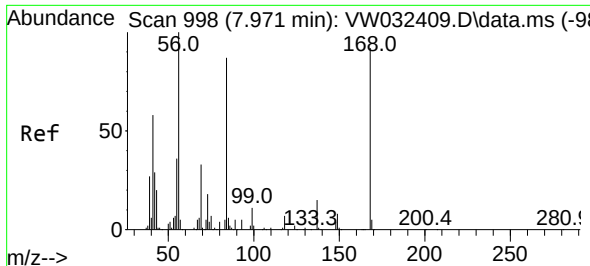
Tgt Ion: 84 Resp: 36981
Ion Ratio Lower Upper
84 100
49 135.9 107.6 161.4
51 38.8 33.9 50.9
86 59.9 49.7 74.5



#25
2-Butanone
Concen: 1.428 ug/l
RT: 7.209 min Scan# 873
Delta R.T. 0.018 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
72 21.0 19.7 29.5

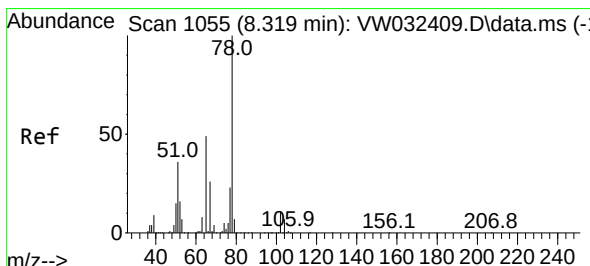
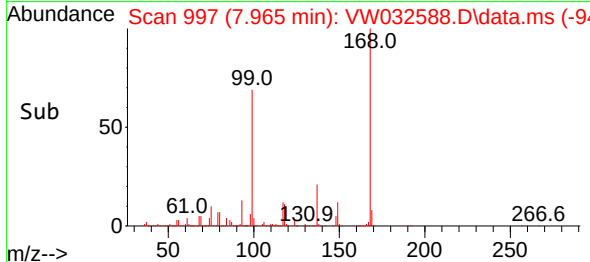
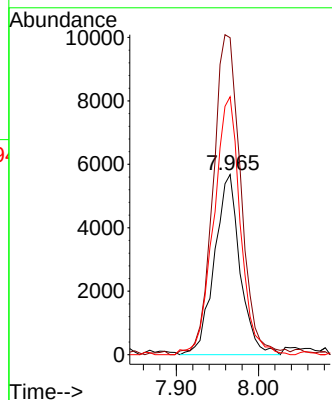
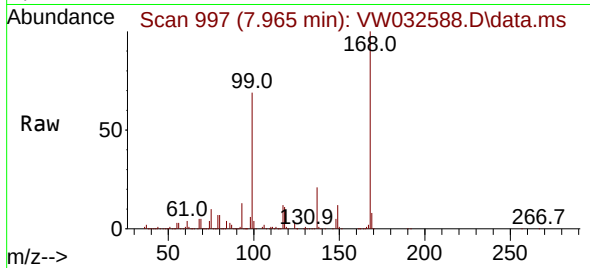




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

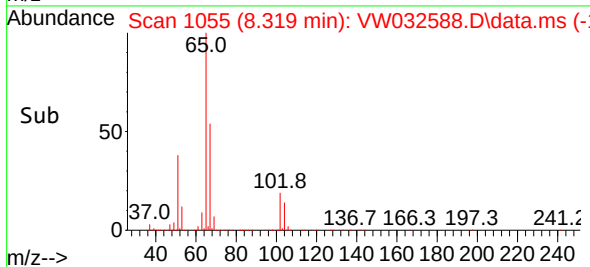
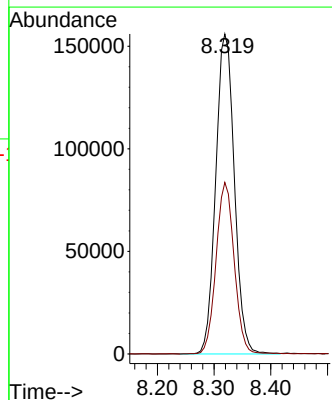
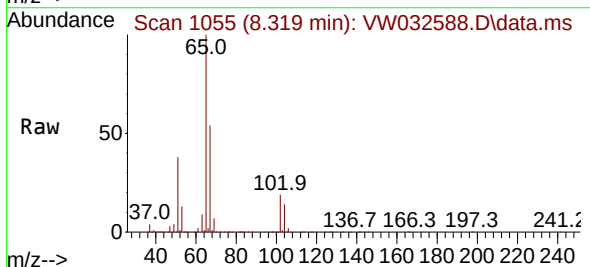
Instrument :
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SOIL-1-VOC

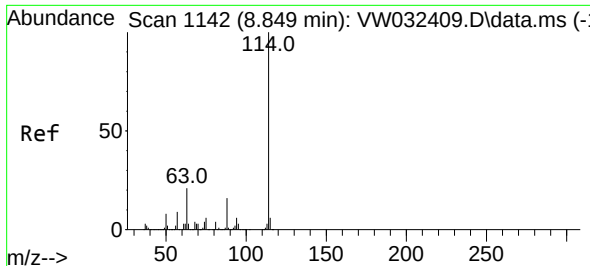
Tgt Ion: 56 Resp: 12275
Ion Ratio Lower Upper
56 100
69 173.9 27.3 40.9#
84 142.1 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 51.393 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 65 Resp: 356231
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.0

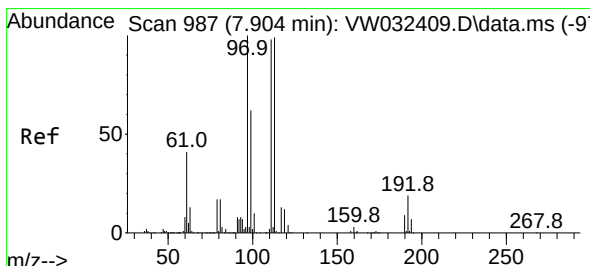
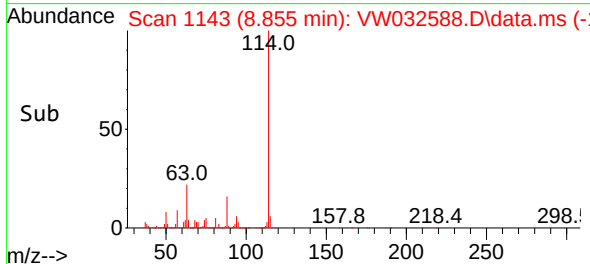
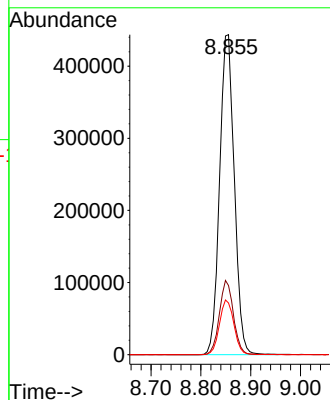
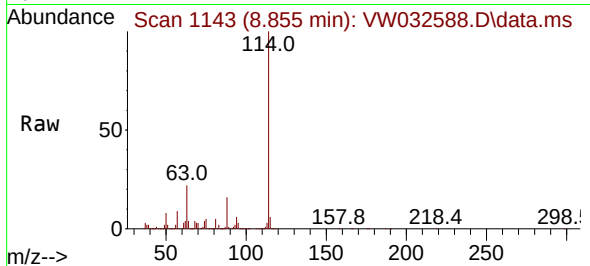




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

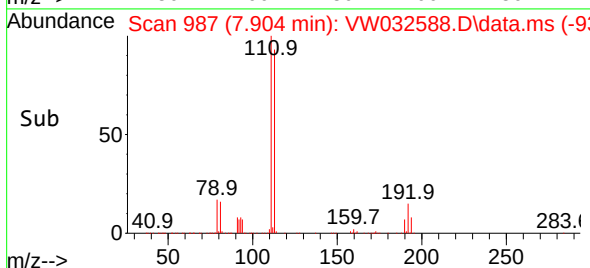
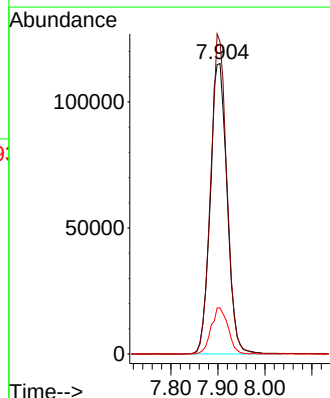
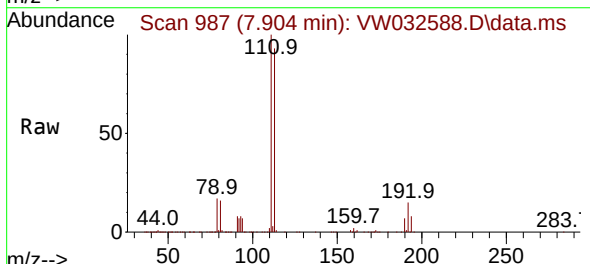
Instrument :
MSVOA_W
ClientSampleId :
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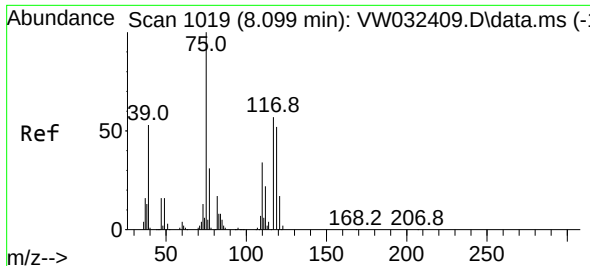
Tgt Ion:114 Resp: 906085
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.6
88 16.1 0.0 31.2



#35
Dibromofluoromethane
Concen: 48.071 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion:113 Resp: 286629
Ion Ratio Lower Upper
113 100
111 104.8 83.4 125.0
192 15.9 13.4 20.2

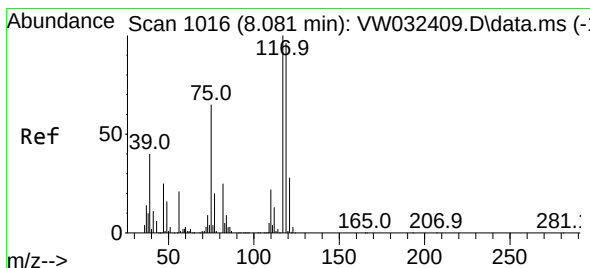
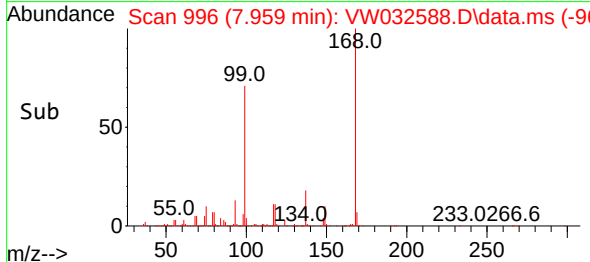
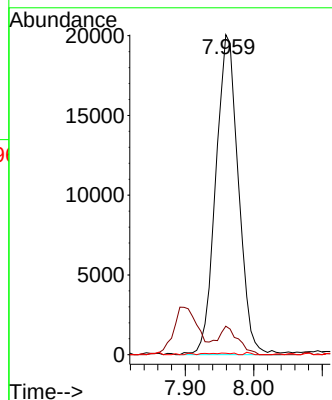
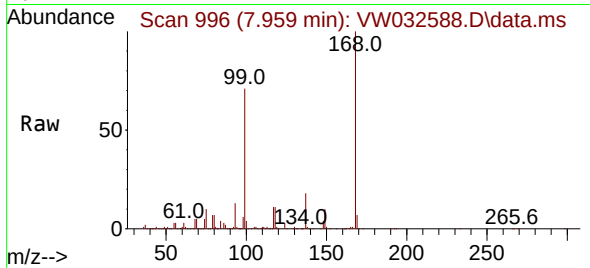




#36
1,1-Dichloropropene
Concen: 5.056 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

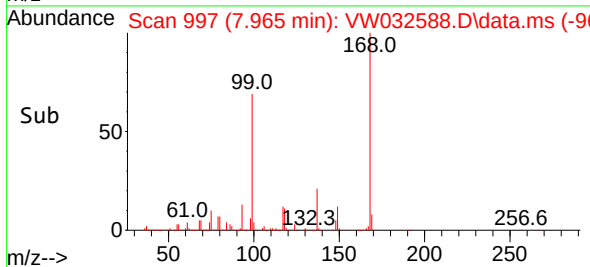
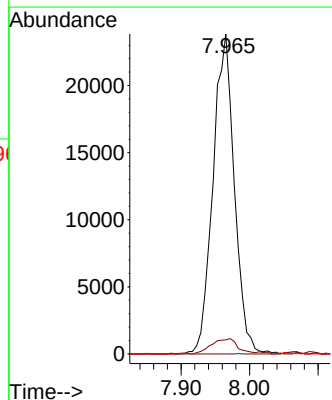
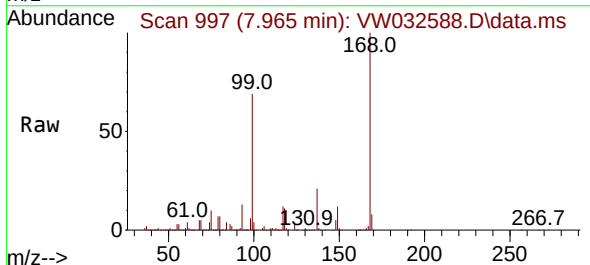
Instrument :
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ClientSampleId :
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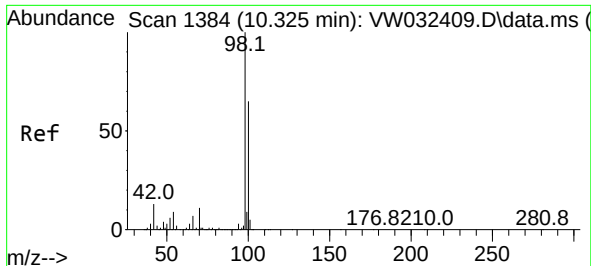
Tgt Ion: 75 Resp: 45983
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.4 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.106 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 117 Resp: 51593
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 25.4 38.2#

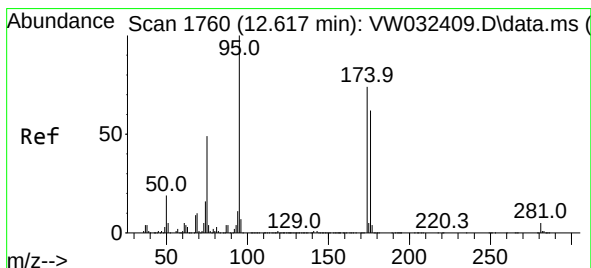
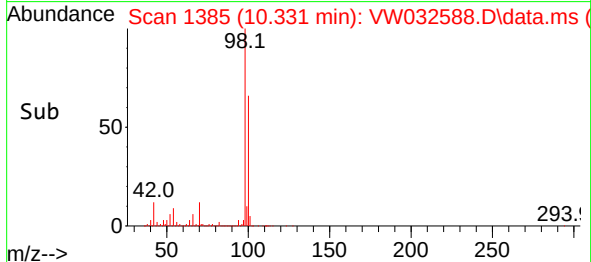
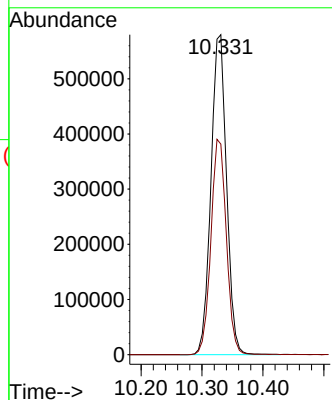
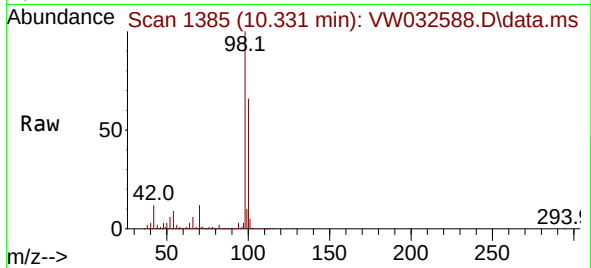




#50
Toluene-d8
Concen: 45.935 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

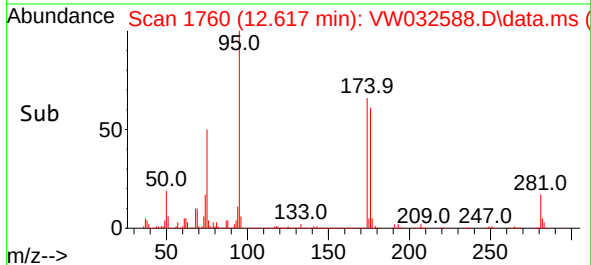
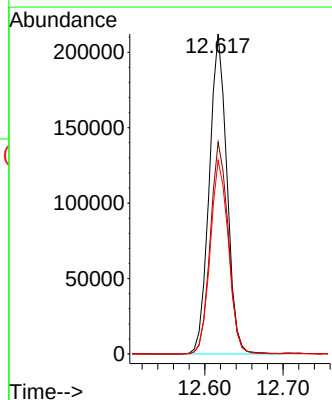
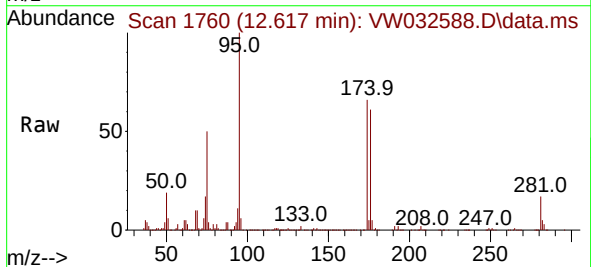
Instrument :
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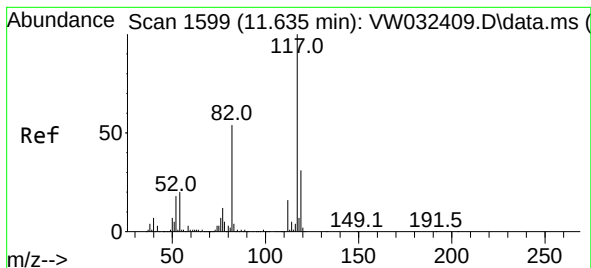
Tgt Ion: 98 Resp: 1030622
Ion Ratio Lower Upper
98 100
100 66.7 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 40.028 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 95 Resp: 331813
Ion Ratio Lower Upper
95 100
174 67.4 0.0 141.2
176 62.6 0.0 130.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032588.D

Acq: 08 Dec 2025 12:18

Instrument :

MSVOA_W

ClientSampleId :

SOIL-1-VOC

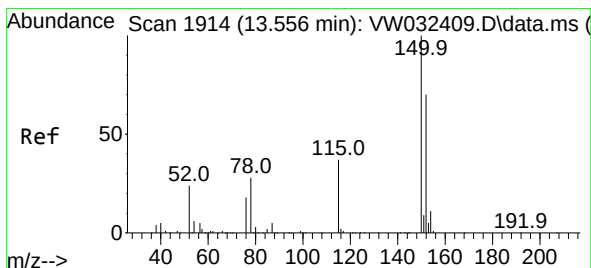
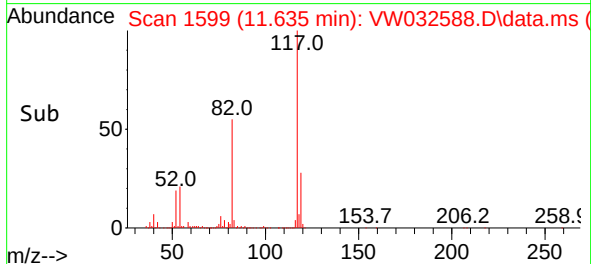
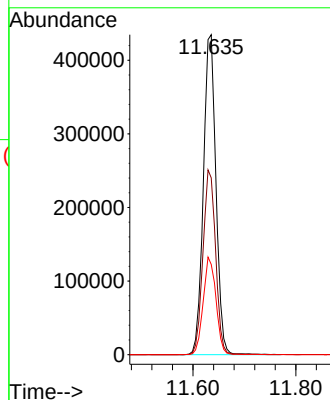
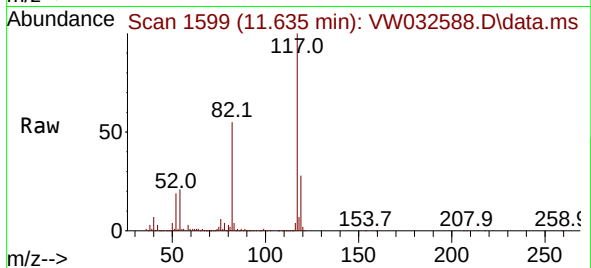
Tgt Ion:117 Resp: 737323

Ion Ratio Lower Upper

117 100

82 55.2 45.9 68.9

119 28.2 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: VW032588.D

Acq: 08 Dec 2025 12:18

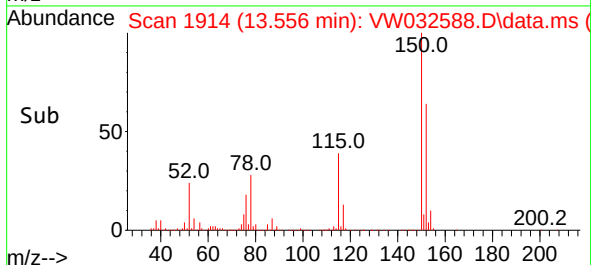
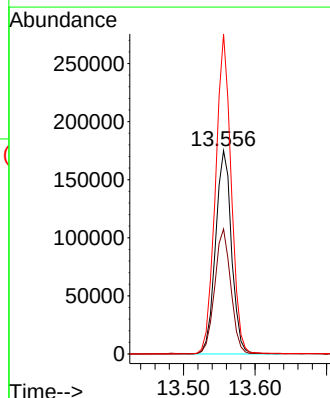
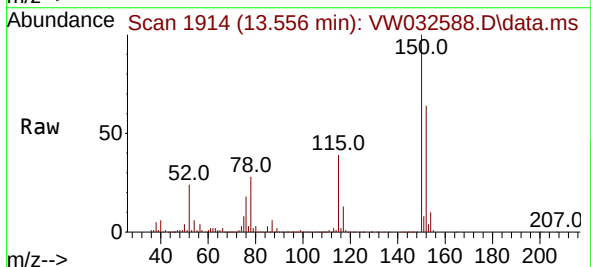
Tgt Ion:152 Resp: 271908

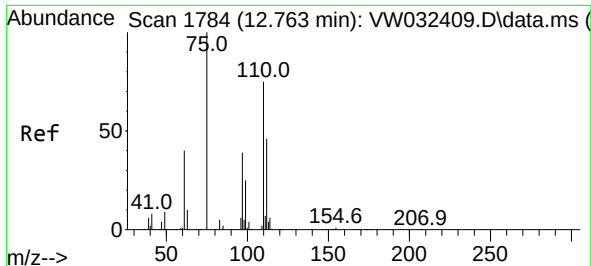
Ion Ratio Lower Upper

152 100

115 61.2 31.1 93.3

150 154.1 0.0 351.2

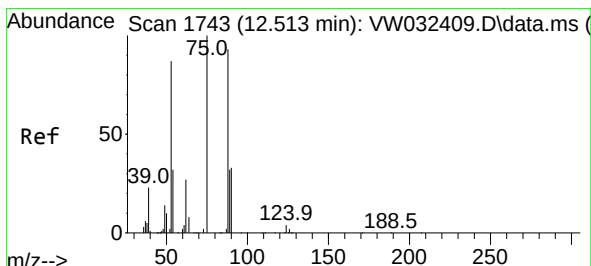
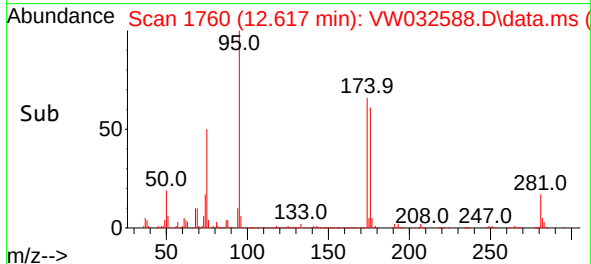
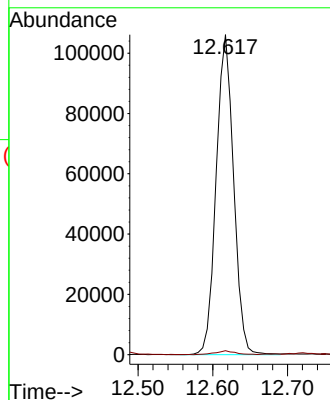
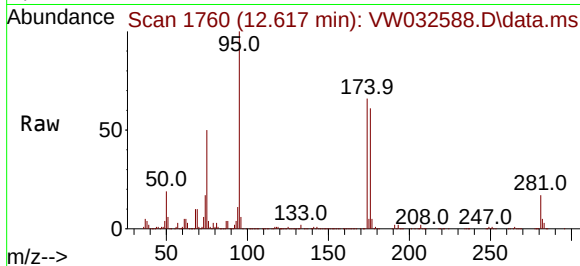




#76
1,2,3-Trichloropropane
Concen: 46.853 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Instrument :
MSVOA_W
ClientSampleId :
SOIL-1-VOC

Tgt Ion: 75 Resp: 172388
Ion Ratio Lower Upper
75 100
77 1.4 148.2 444.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.198 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032588.D
Acq: 08 Dec 2025 12:18

Tgt Ion: 75 Resp: 172388
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 31.4 47.2#

