

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032254.D
 Acq On : 24 Sep 2025 19:02
 Operator : SY/MD
 Sample : Q3168-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0010-Oily Soil-Sludge

Quant Time: Sep 25 08:18:25 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)

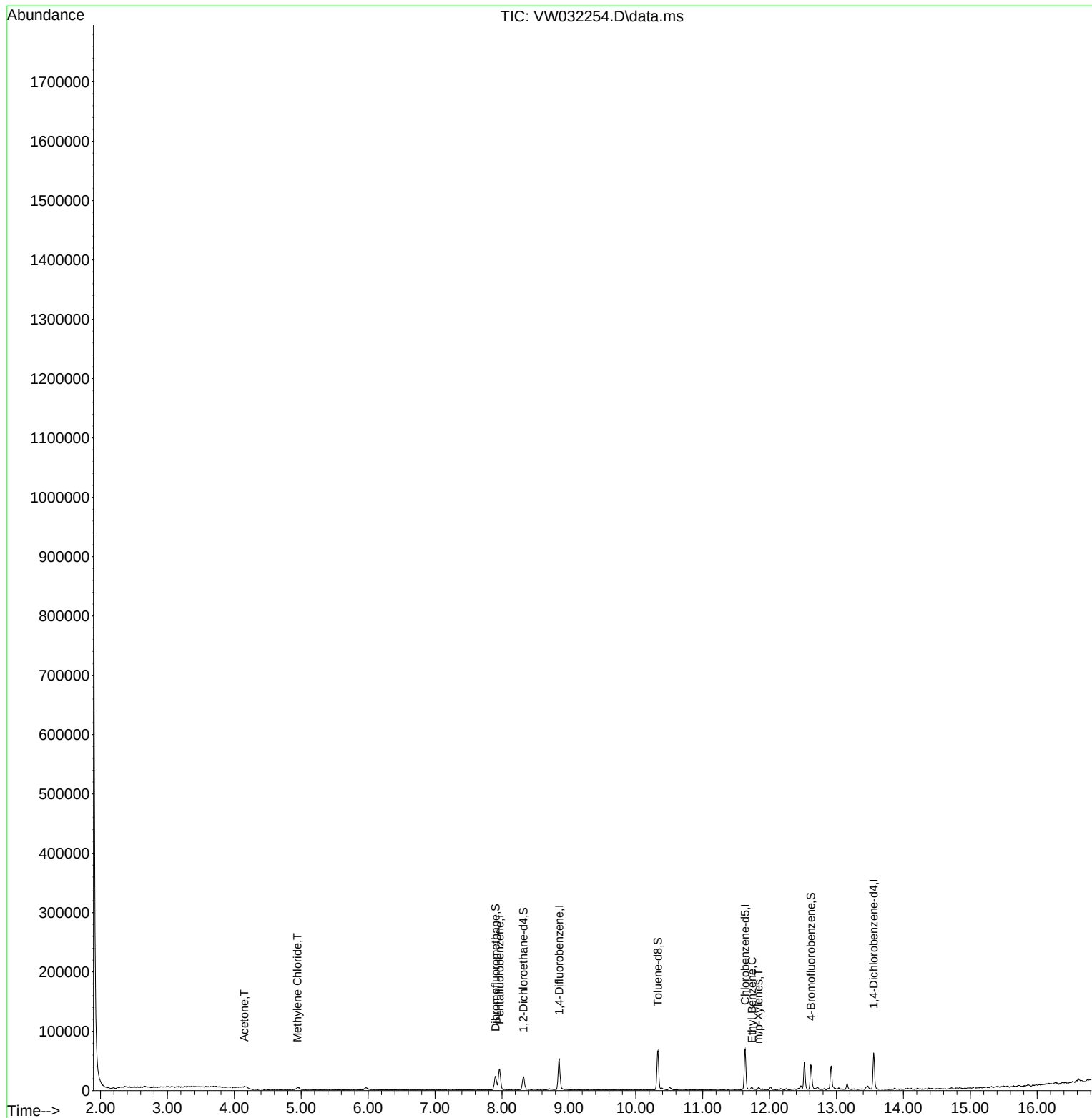
Internal Standards						
1) Pentafluorobenzene	7.965	168	23280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	40021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	36380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	16850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	18537	55.678	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.360%			
35) Dibromofluoromethane	7.904	113	15564	55.430	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 110.860%			
50) Toluene-d8	10.331	98	45236	45.893	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.780%			
62) 4-Bromofluorobenzene	12.617	95	14275	39.164	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 78.320%			
Target Compounds						
16) Acetone	4.149	43	3008	41.718	ug/l #	88
20) Methylene Chloride	4.942	84	2772	5.951	ug/l	94
67) Ethyl Benzene	11.739	91	2353	1.734	ug/l #	85
68) m/p-Xylenes	11.837	106	856	1.639	ug/l	97

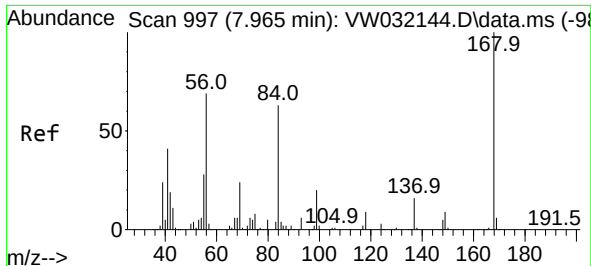
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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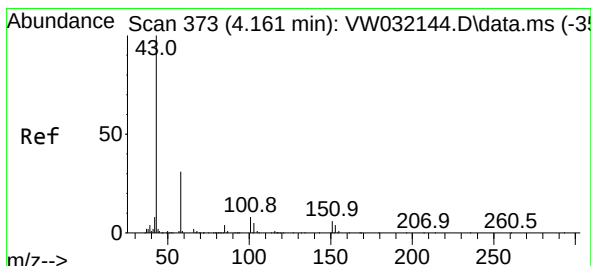
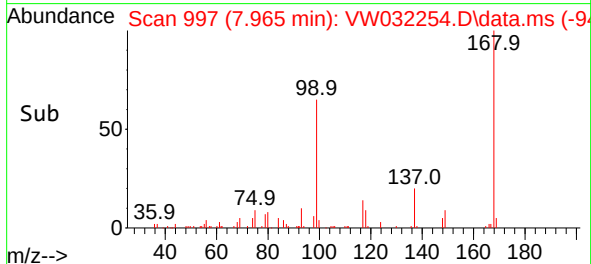
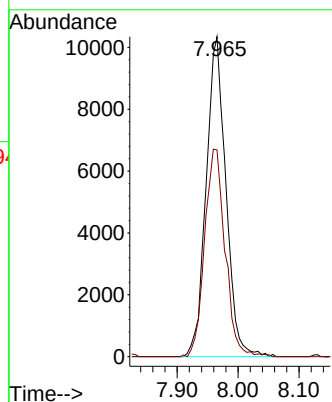
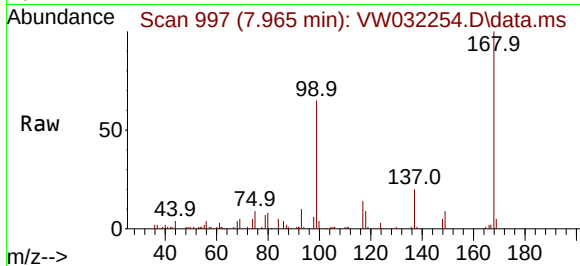




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

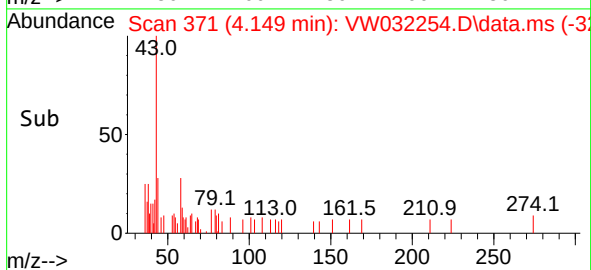
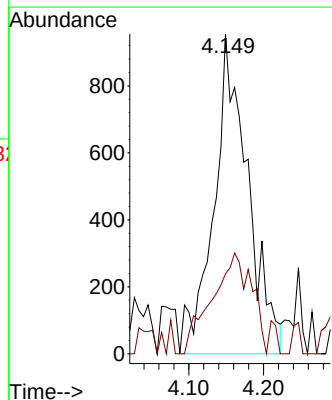
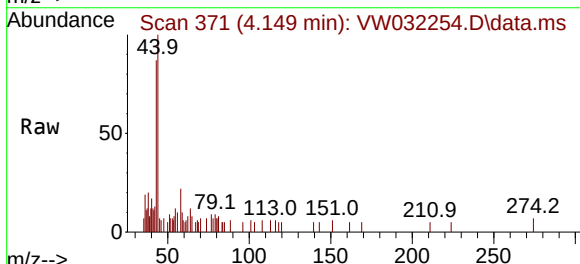
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

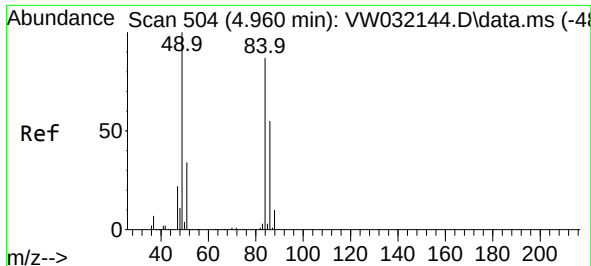
Tgt Ion:168 Resp: 23280
Ion Ratio Lower Upper
168 100
99 64.6 49.3 73.9



#16
Acetone
Concen: 41.718 ug/l
RT: 4.149 min Scan# 371
Delta R.T. -0.012 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Tgt Ion: 43 Resp: 3008
Ion Ratio Lower Upper
43 100
58 25.0 25.3 37.9#

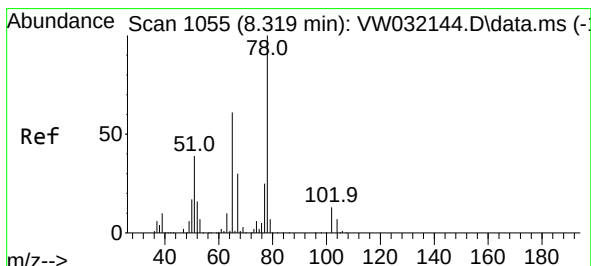
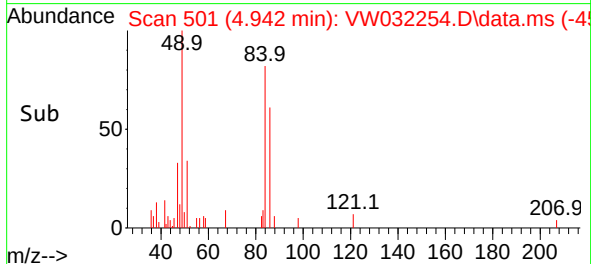
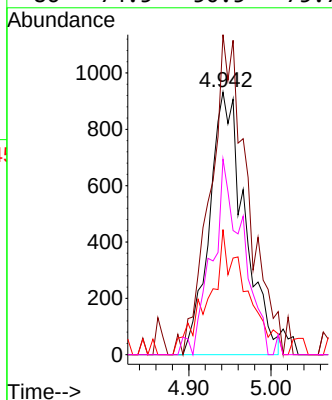
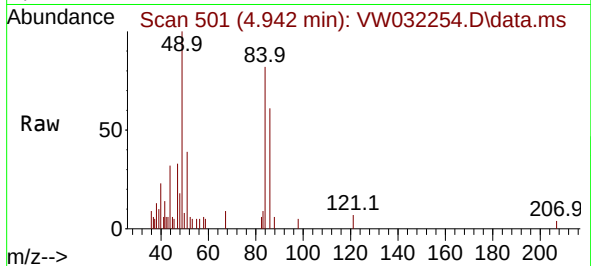




#20
Methylene Chloride
Concen: 5.951 ug/l
RT: 4.942 min Scan# 504
Delta R.T. -0.018 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

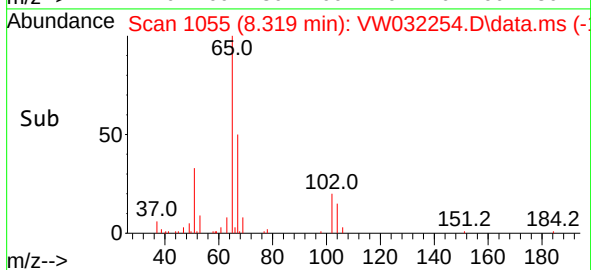
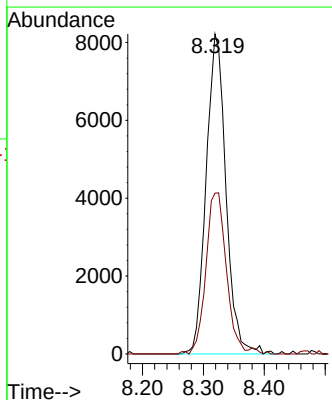
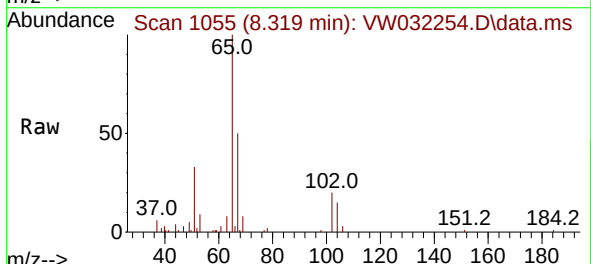
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0010-Oily Soil-Sludge

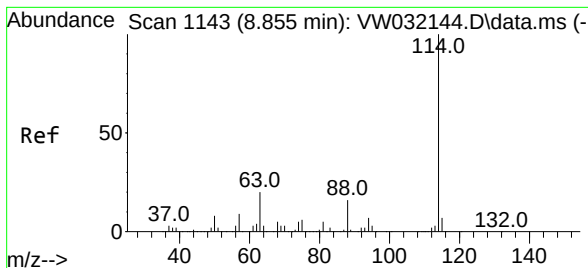
Tgt Ion:	84	Resp:	2772
Ion	Ratio	Lower	Upper
84	100		
49	114.2	92.2	138.4
51	41.3	31.0	46.6
86	74.5	50.5	75.7



#33
1,2-Dichloroethane-d4
Concen: 55.678 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Tgt Ion:	65	Resp:	18537
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032254.D

Acq: 24 Sep 2025 19:02

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0010-Oily Soil-Sludge

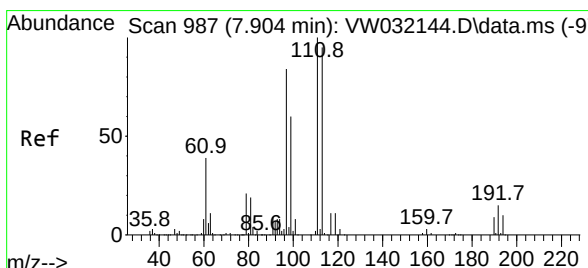
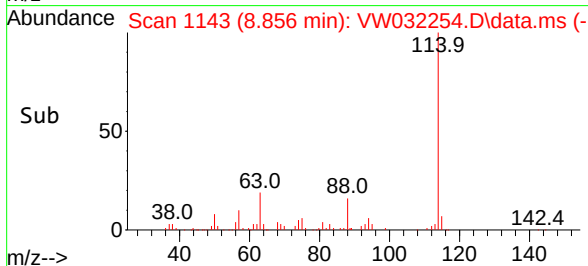
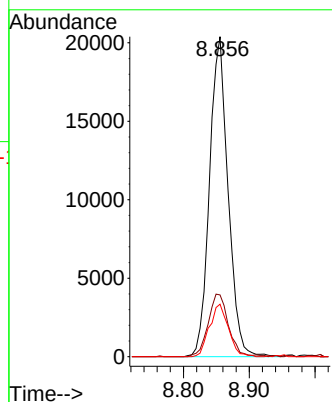
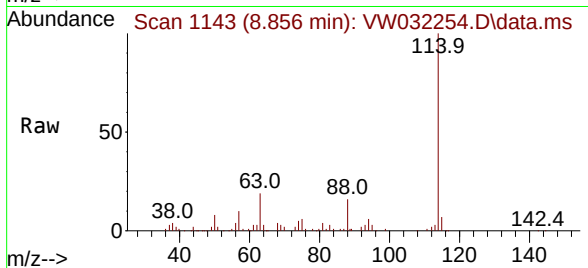
Tgt Ion:114 Resp: 40021

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

88 16.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 55.430 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032254.D

Acq: 24 Sep 2025 19:02

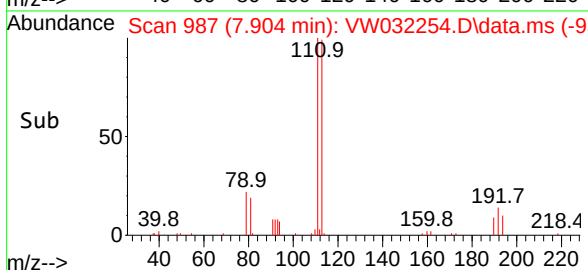
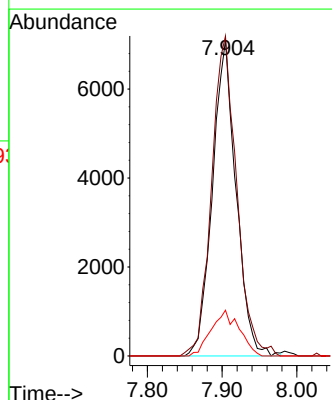
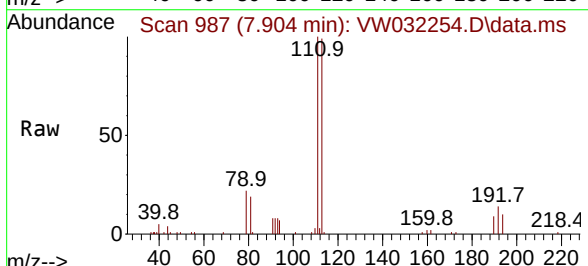
Tgt Ion:113 Resp: 15564

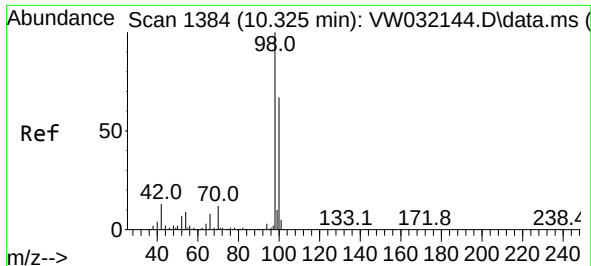
Ion Ratio Lower Upper

113 100

111 107.4 83.9 125.9

192 17.2 14.6 21.8

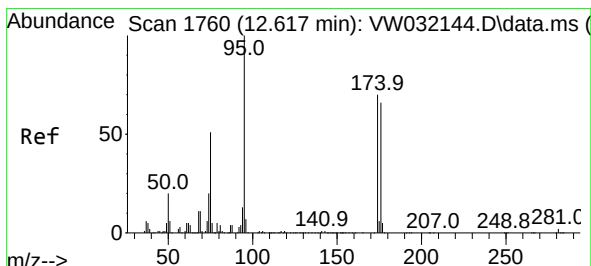
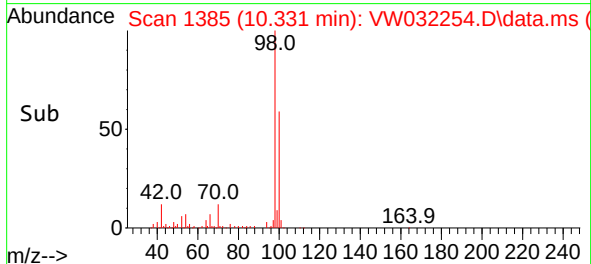
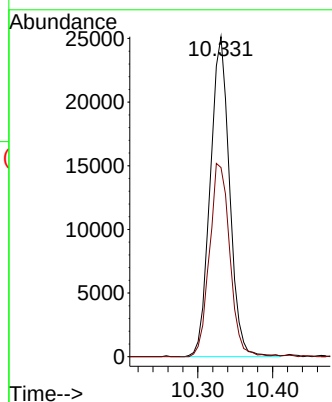
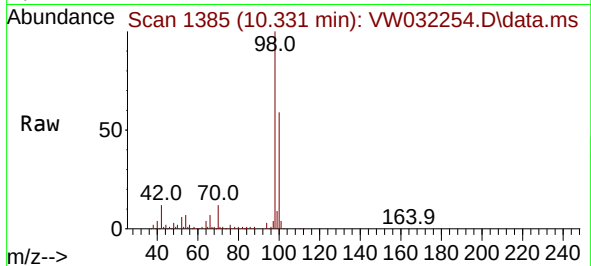




#50
Toluene-d8
Concen: 45.893 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

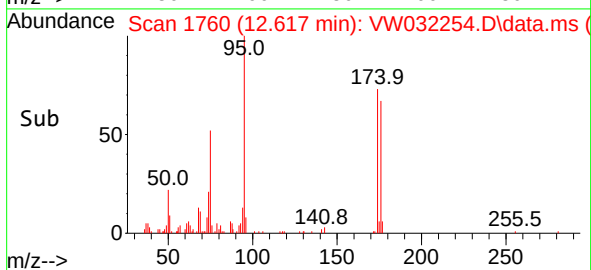
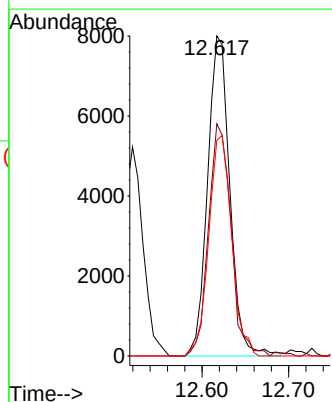
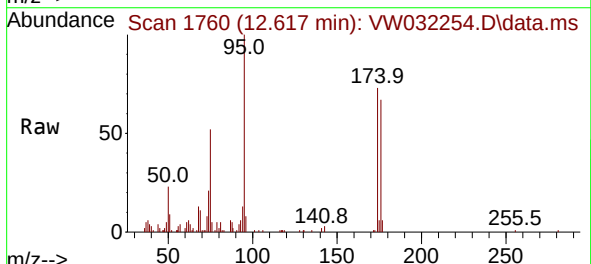
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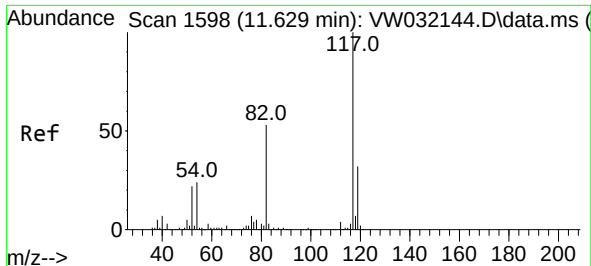
Tgt Ion: 98 Resp: 45236
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 39.164 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Tgt Ion: 95 Resp: 14275
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.6
176 70.8 0.0 140.8

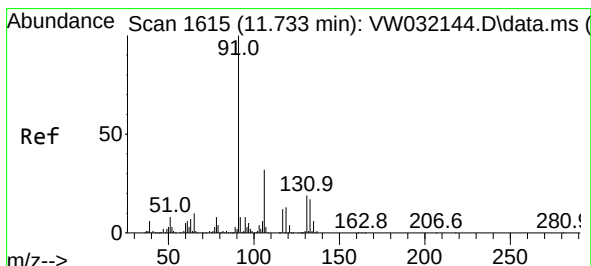
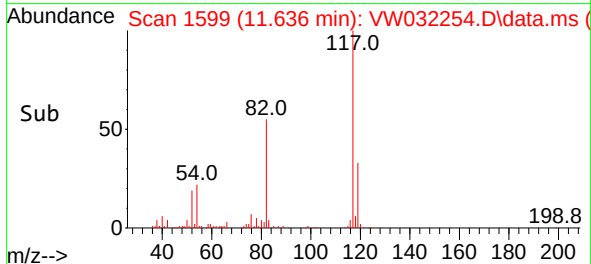
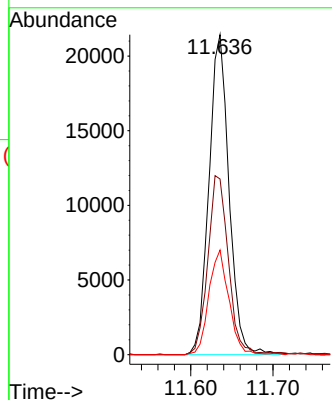
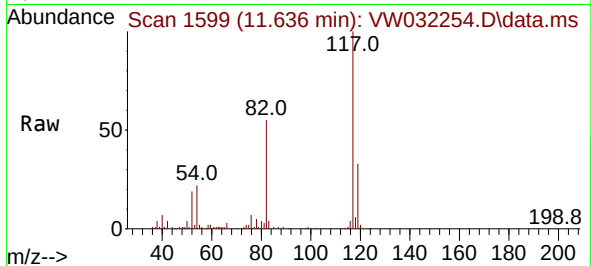




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

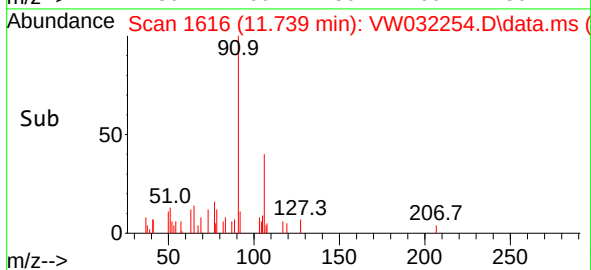
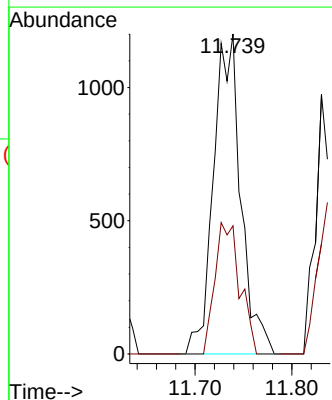
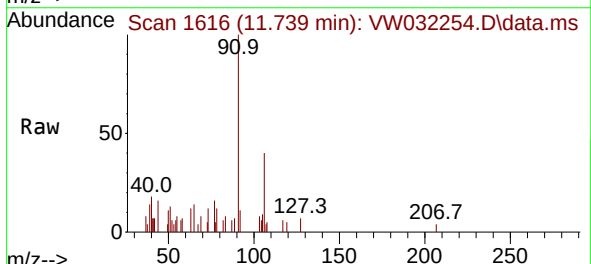
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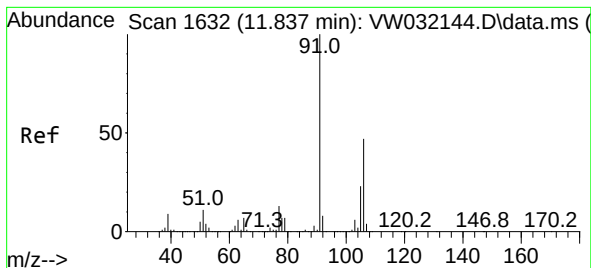
Tgt Ion:117 Resp: 36380
Ion Ratio Lower Upper
117 100
82 54.9 42.7 64.1
119 32.7 25.2 37.8



#67
Ethyl Benzene
Concen: 1.734 ug/l
RT: 11.739 min Scan# 1616
Delta R.T. 0.006 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Tgt Ion: 91 Resp: 2353
Ion Ratio Lower Upper
91 100
106 40.0 25.3 37.9#

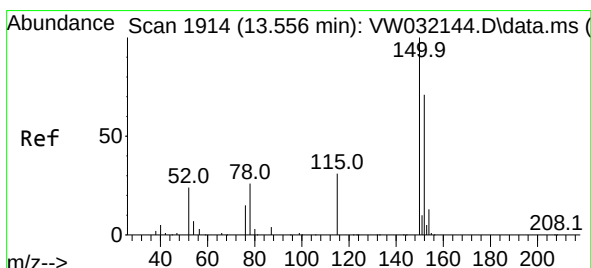
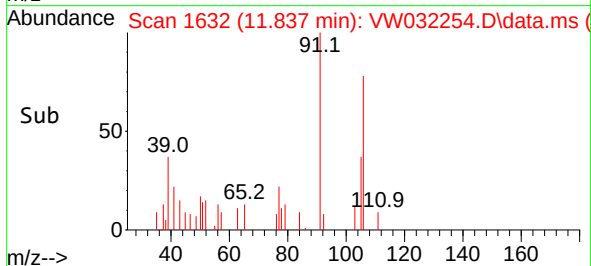
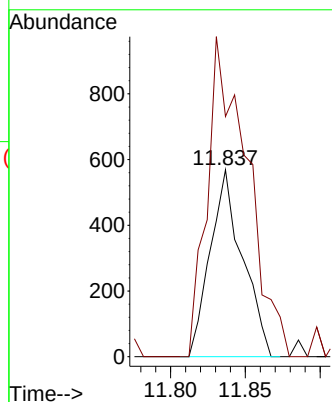
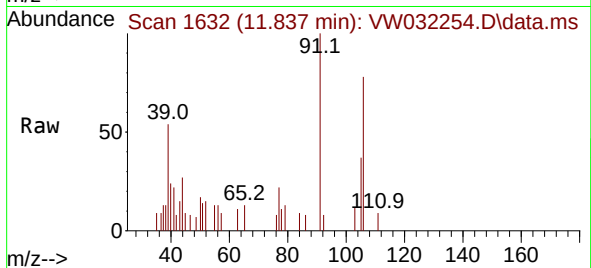




#68
m/p-Xylenes
Concen: 1.639 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Instrument :
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Tgt Ion:106 Resp: 856
Ion Ratio Lower Upper
106 100
91 210.5 164.2 246.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032254.D
Acq: 24 Sep 2025 19:02

Tgt Ion:152 Resp: 16850
Ion Ratio Lower Upper
152 100
115 56.2 31.8 95.4
150 148.5 0.0 343.0

