

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032273.D
 Acq On : 26 Sep 2025 12:33
 Operator : SY/MD
 Sample : Q3168-03RE
 Misc : 5.03g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Sep 26 14:52:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

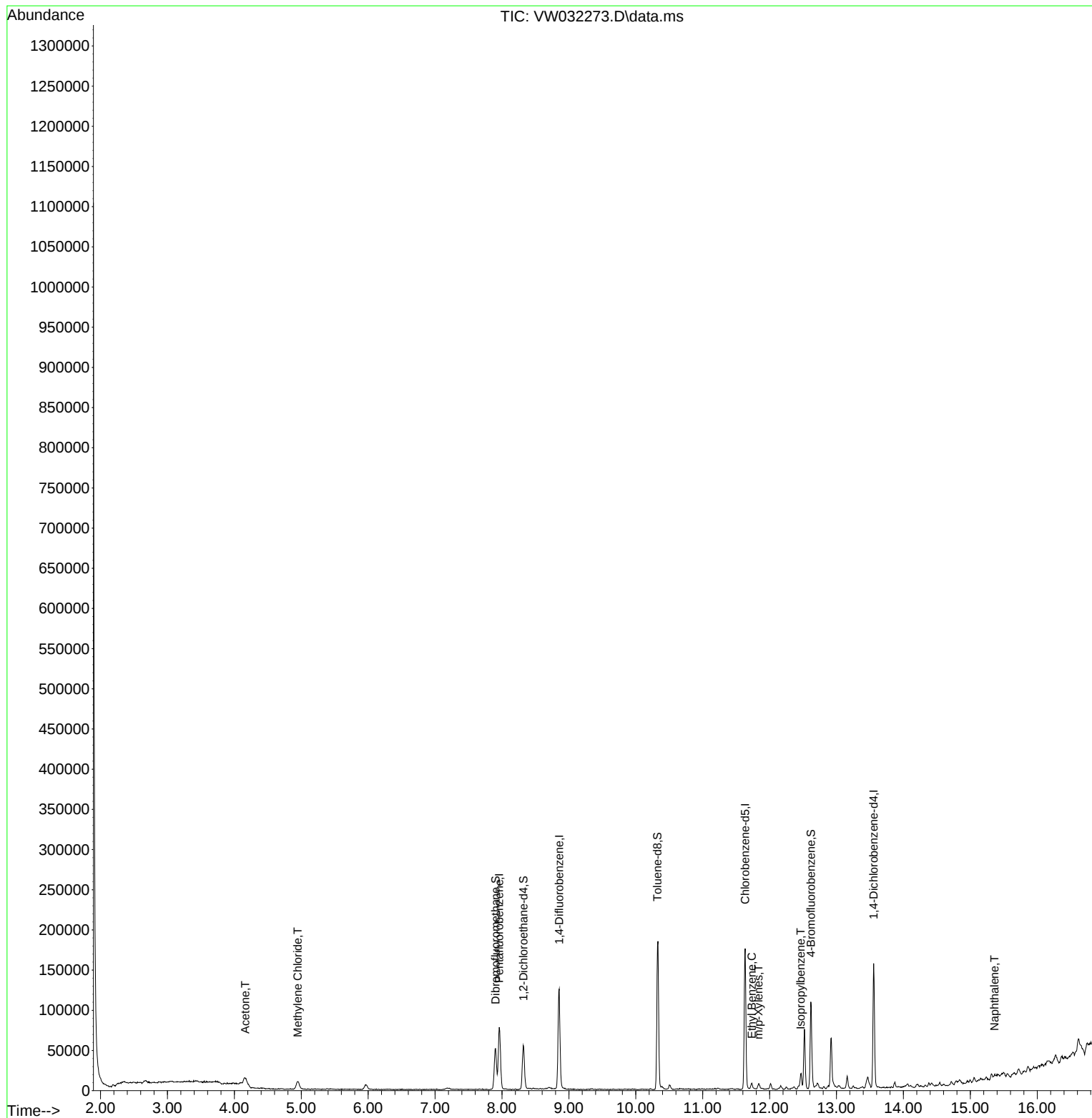
Internal Standards						
1) Pentafluorobenzene	7.959	168	51915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	104410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	96866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	38109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	45959	56.066	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 112.140%		
35) Dibromofluoromethane	7.904	113	37950	50.540	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.080%		
50) Toluene-d8	10.325	98	126241	46.649	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 93.300%		
62) 4-Bromofluorobenzene	12.617	95	38054	37.279	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 74.560%		
Target Compounds						
						Qvalue
16) Acetone	4.161	43	15458	73.429	ug/l	99
20) Methylene Chloride	4.948	84	7408	2.590	ug/l	95
67) Ethyl Benzene	11.733	91	4149	1.136	ug/l	91
68) m/p-Xylenes	11.837	106	1544	1.103	ug/l	95
73) Isopropylbenzene	12.464	105	3744	1.412	ug/l	92
95) Naphthalene	15.360	128	4953	2.882	ug/l #	91

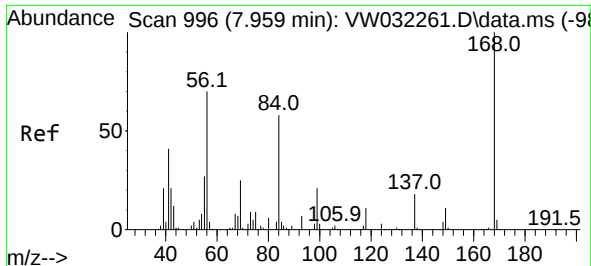
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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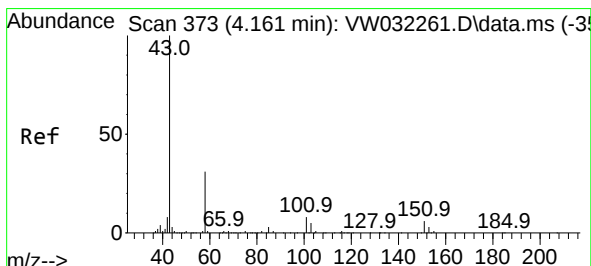
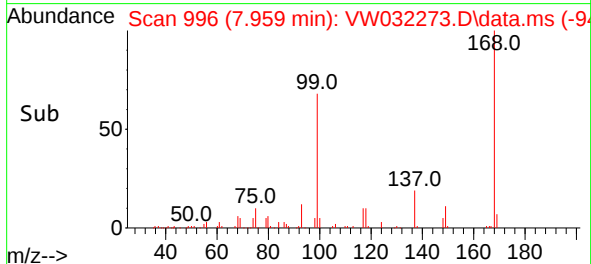
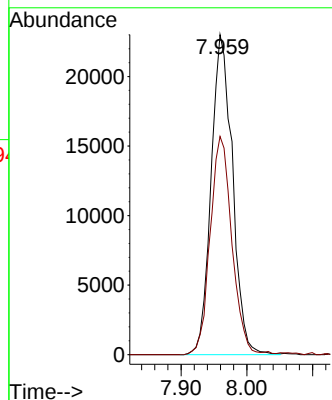
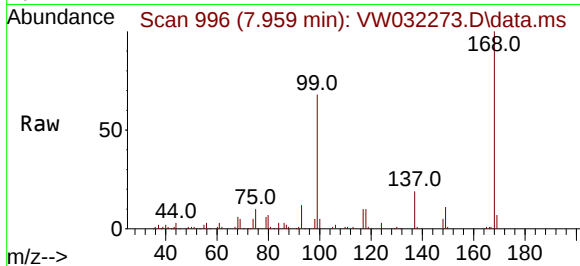




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

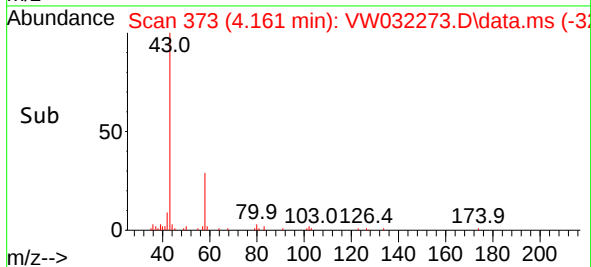
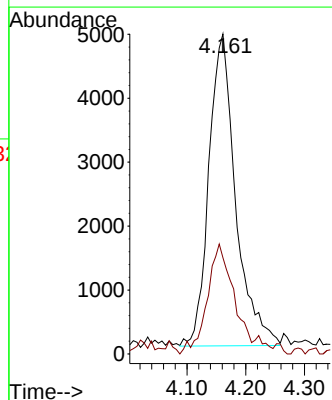
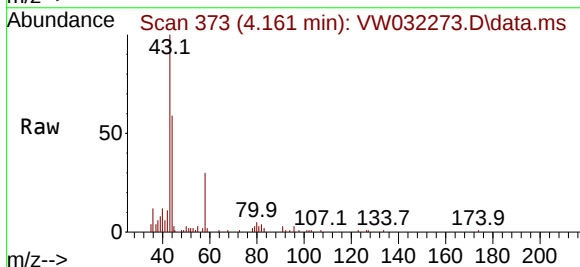
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0010-Oily Soil-SludgeRE

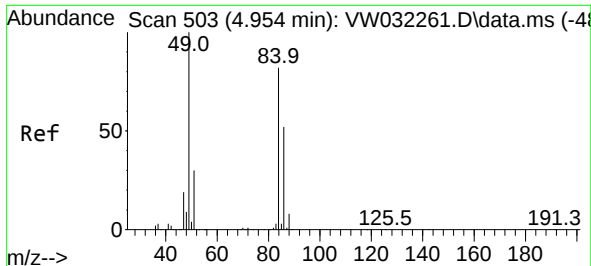
Tgt Ion:168 Resp: 51915
Ion Ratio Lower Upper
168 100
99 68.2 55.0 82.4



#16
Acetone
Concen: 73.429 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion: 43 Resp: 15458
Ion Ratio Lower Upper
43 100
58 30.9 25.4 38.0

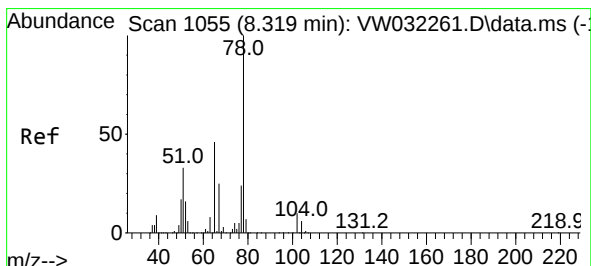
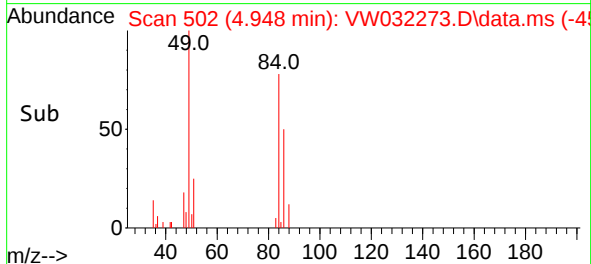
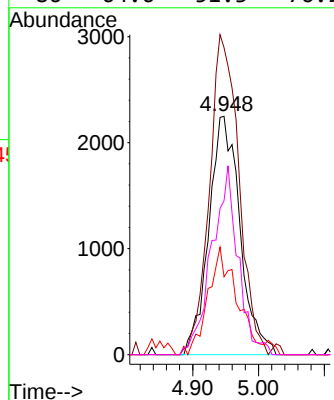
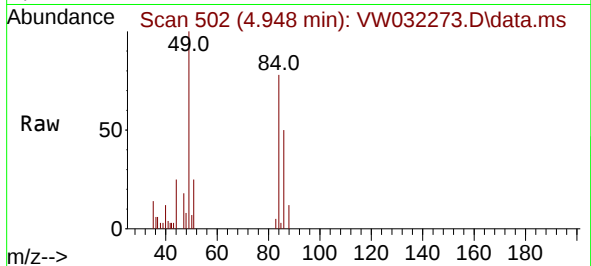




#20
Methylene Chloride
Concen: 2.590 ug/l
RT: 4.948 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

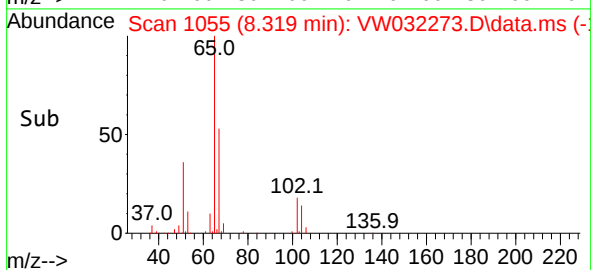
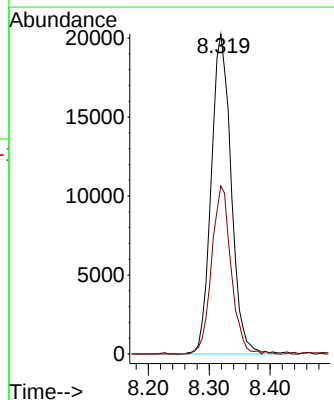
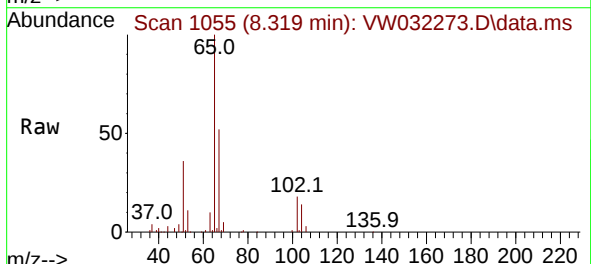
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0010-Oily Soil-SludgeRE

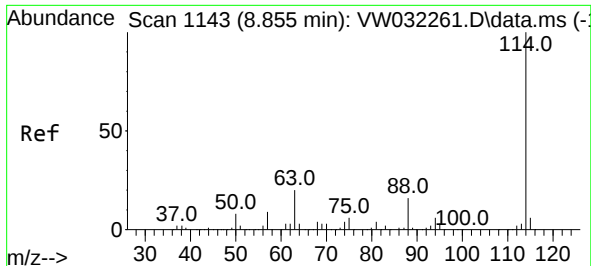
Tgt Ion:	84	Resp:	7408
Ion	Ratio	Lower	Upper
84	100		
49	128.8	97.8	146.6
51	32.7	29.9	44.9
86	64.6	51.3	76.9



#33
1,2-Dichloroethane-d4
Concen: 56.066 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion:	65	Resp:	45959
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8

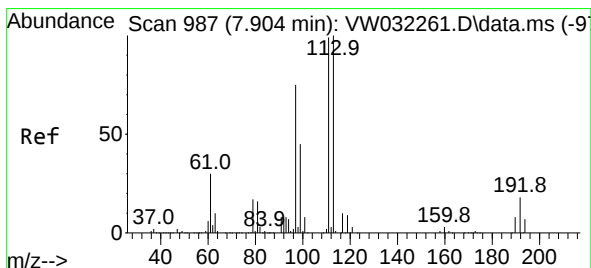
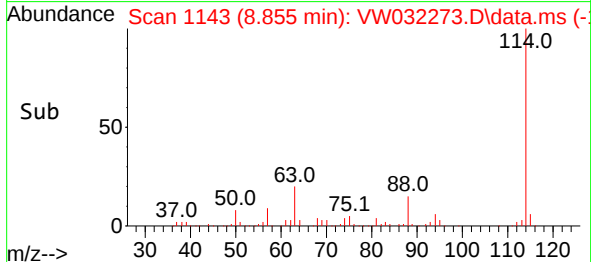
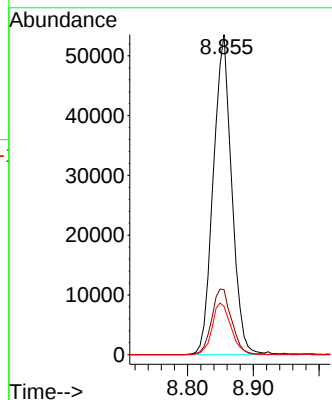
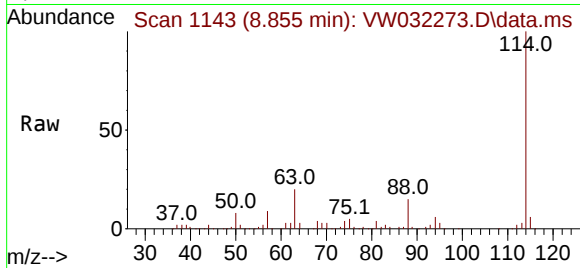




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

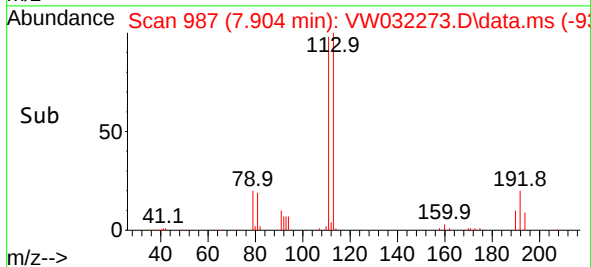
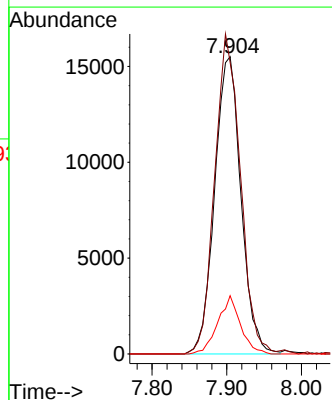
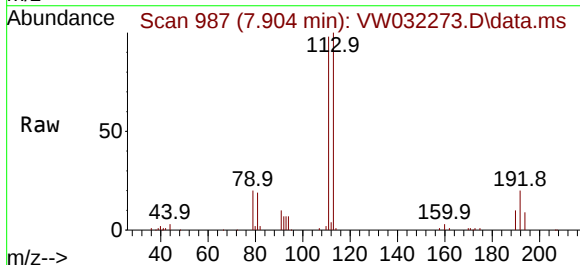
Instrument : MSVOA_W
ClientSampleId : ARS20-0010-Oily Soil-SludgeRE

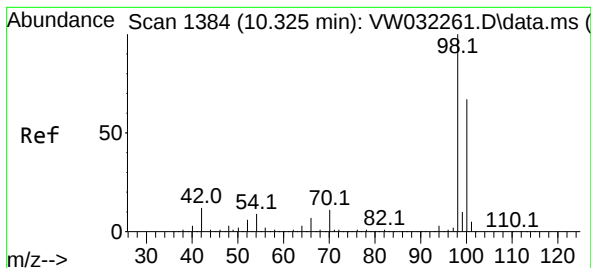
Tgt Ion:114 Resp: 104410
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.540 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion:113 Resp: 37950
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.8
192 16.8 13.0 19.4

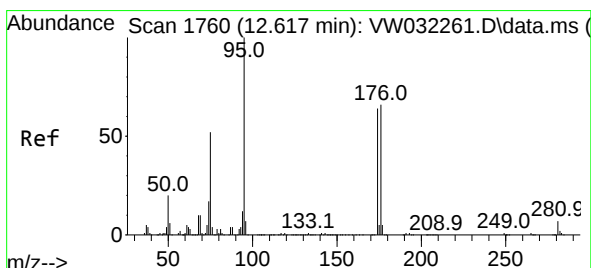
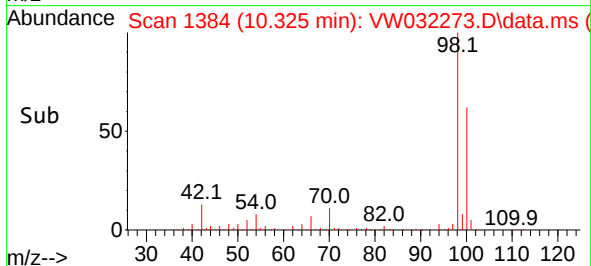
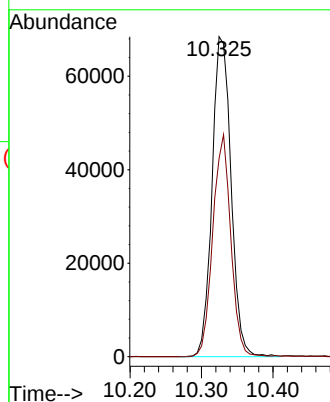
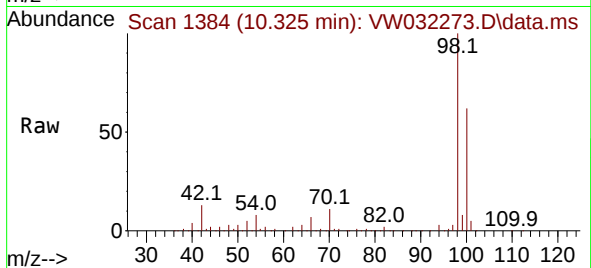




#50
Toluene-d8
Concen: 46.649 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

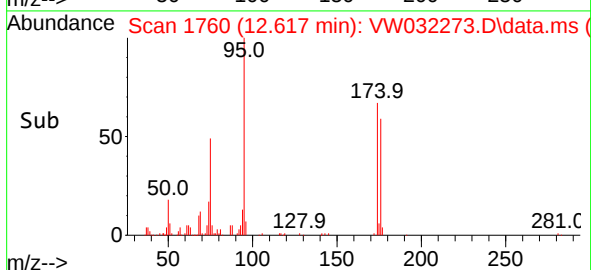
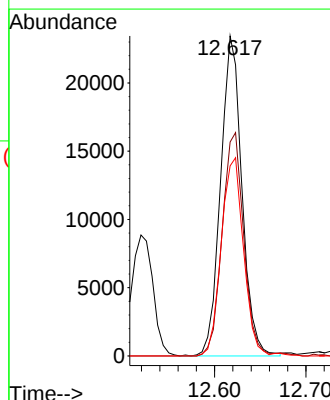
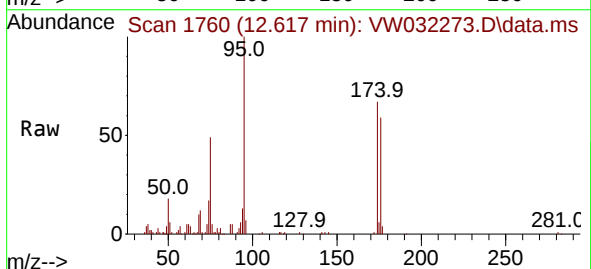
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0010-Oily Soil-SludgeRE

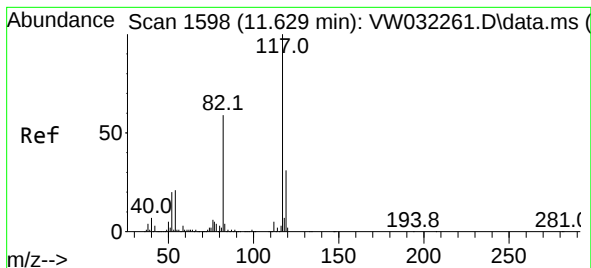
Tgt Ion: 98 Resp: 126241
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 37.279 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion: 95 Resp: 38054
Ion Ratio Lower Upper
95 100
174 71.1 0.0 130.6
176 65.0 0.0 127.0

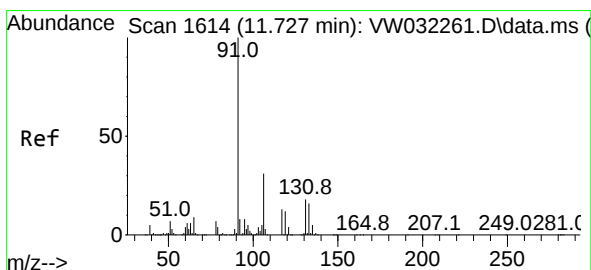
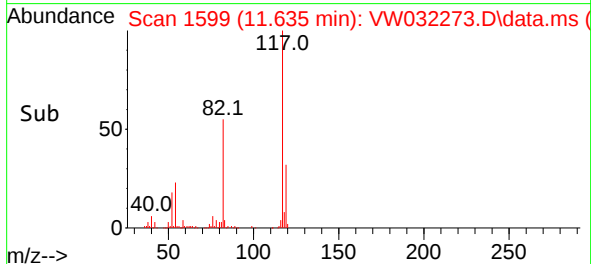
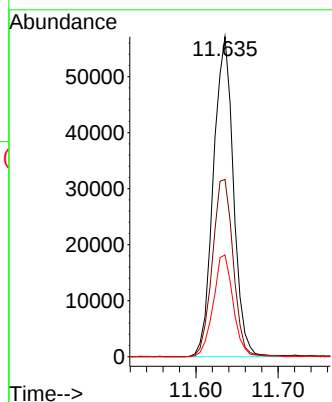
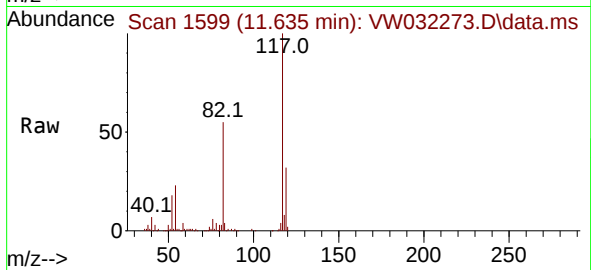




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

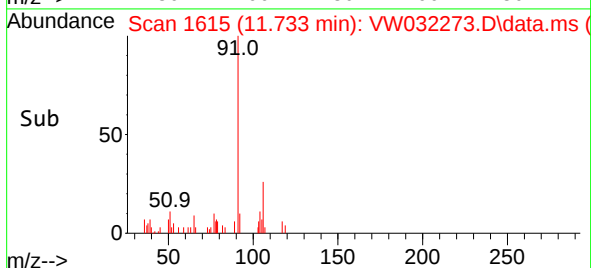
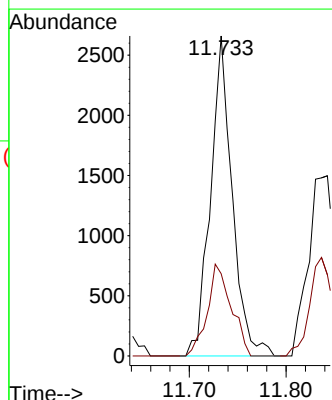
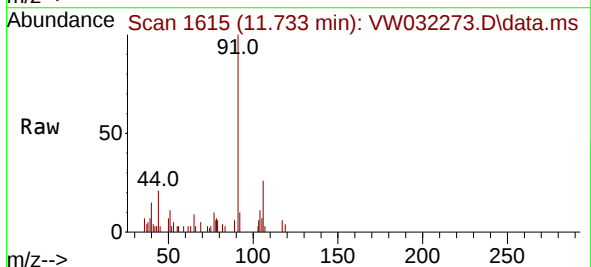
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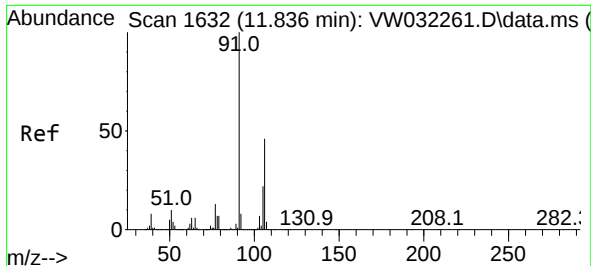
Tgt Ion:117 Resp: 96866
Ion Ratio Lower Upper
117 100
82 55.4 46.9 70.3
119 31.8 24.9 37.3



#67
Ethyl Benzene
Concen: 1.136 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion: 91 Resp: 4149
Ion Ratio Lower Upper
91 100
106 25.7 24.7 37.1

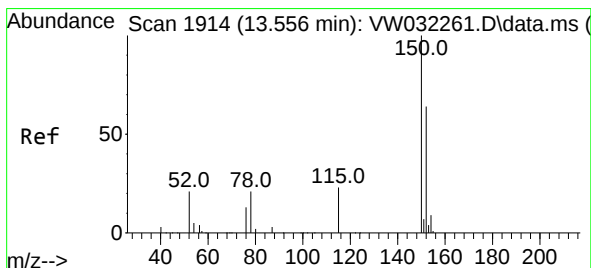
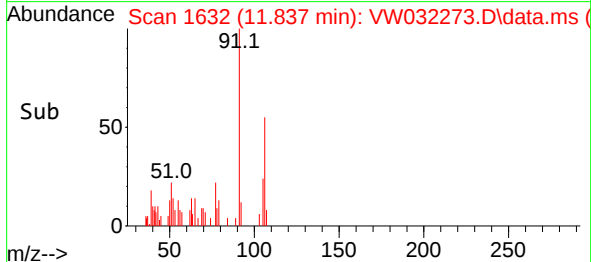
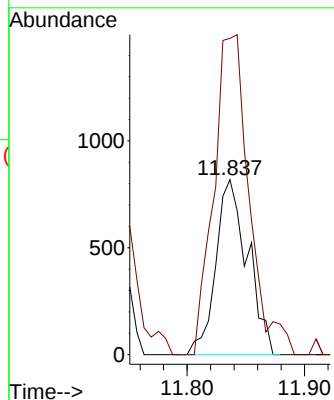
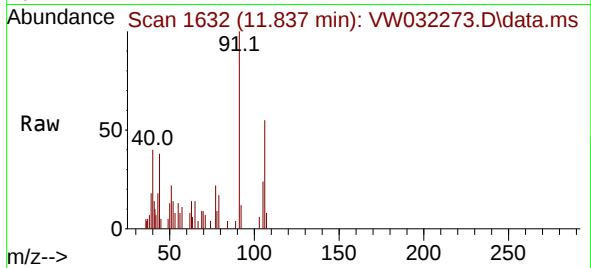




#68
m/p-Xylenes
Concen: 1.103 ug/l
RT: 11.837 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

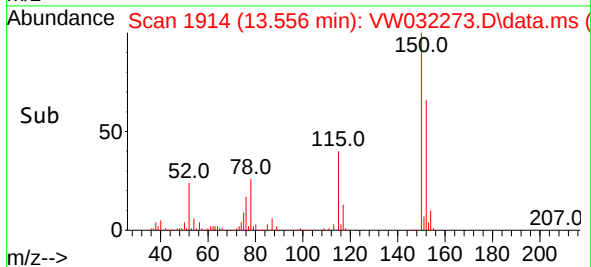
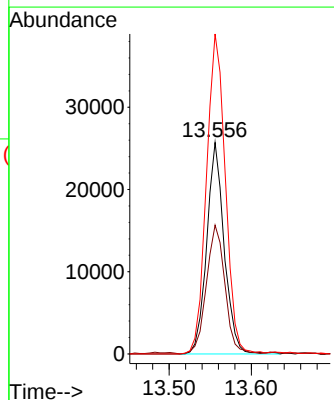
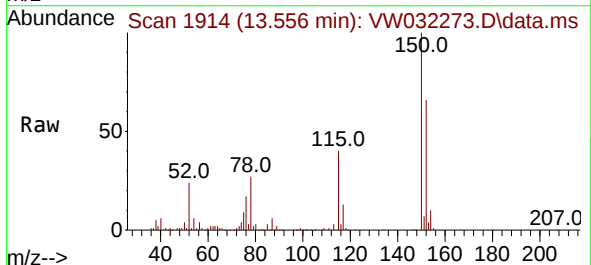
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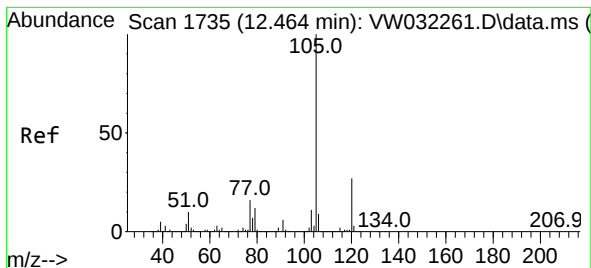
Tgt Ion:106 Resp: 1544
Ion Ratio Lower Upper
106 100
91 203.2 169.0 253.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032273.D
Acq: 26 Sep 2025 12:33

Tgt Ion:152 Resp: 38109
Ion Ratio Lower Upper
152 100
115 64.4 32.5 97.5
150 162.6 0.0 370.2





#73

Isopropylbenzene

Concen: 1.412 ug/l

RT: 12.464 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032273.D

Acq: 26 Sep 2025 12:33

Instrument :

MSVOA_W

ClientSampleId :

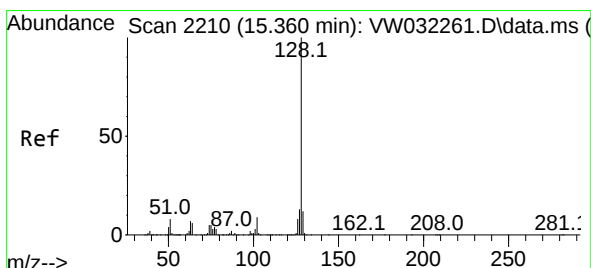
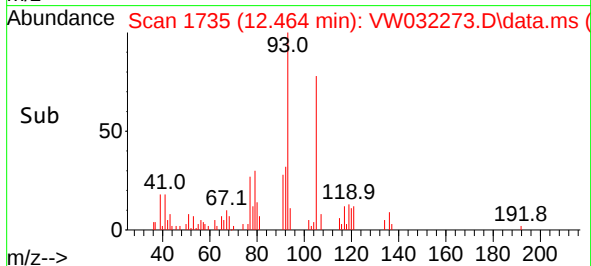
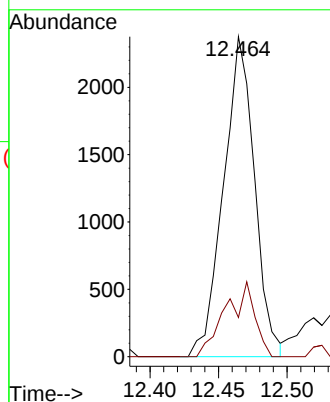
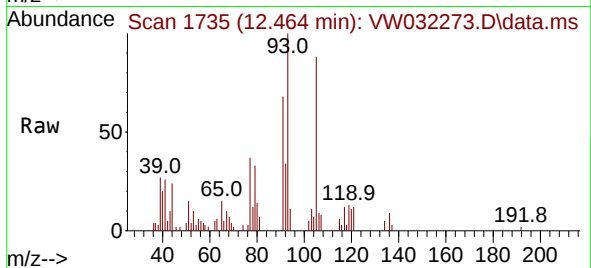
ARS20-0010-Oily Soil-SludgeRE

Tgt Ion:105 Resp: 3744

Ion Ratio Lower Upper

105 100

120 22.1 13.1 39.3



#95

Naphthalene

Concen: 2.882 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032273.D

Acq: 26 Sep 2025 12:33

Tgt Ion:128 Resp: 4953

Ion Ratio Lower Upper

128 100

127 17.3 10.6 15.8#

129 14.0 9.0 13.4#

