

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
 Data File : VW032332.D
 Acq On : 02 Oct 2025 15:03
 Operator : SY/MD
 Sample : Q3262-04
 Misc : 4.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0282

Quant Time: Oct 02 22:10:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

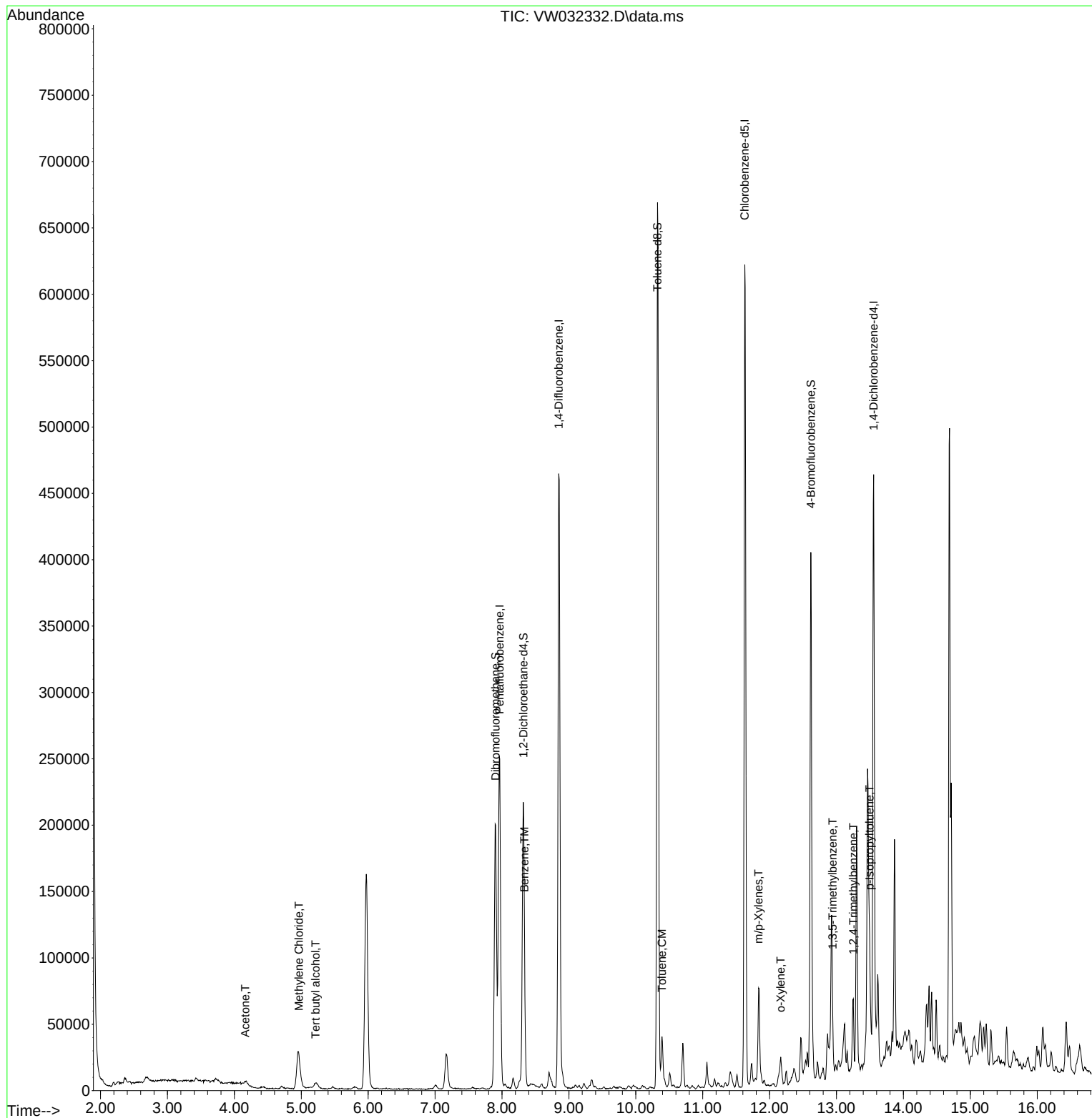
Internal Standards						
1) Pentafluorobenzene	7.965	168	173136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	390150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	339731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	102634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	174346	69.040	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 138.080%		
35) Dibromofluoromethane	7.904	113	146712	58.066	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 116.140%		
50) Toluene-d8	10.325	98	451150	48.379	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.760%		
62) 4-Bromofluorobenzene	12.617	95	137188	38.922	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 77.840%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	8423	44.065	ug/l	98
16) Acetone	4.161	43	3039	4.346	ug/l	99
20) Methylene Chloride	4.966	84	24310	5.773	ug/l	91
40) Benzene	8.337	78	12310	1.101	ug/l	93
52) Toluene	10.392	92	14839	2.132	ug/l	100
68) m/p-Xylenes	11.837	106	11431	2.379	ug/l	96
69) o-Xylene	12.166	106	4647	1.034	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	8392	1.382	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	33550	5.434	ug/l	98
86) p-Isopropyltoluene	13.495	119	47879	7.579	ug/l #	72

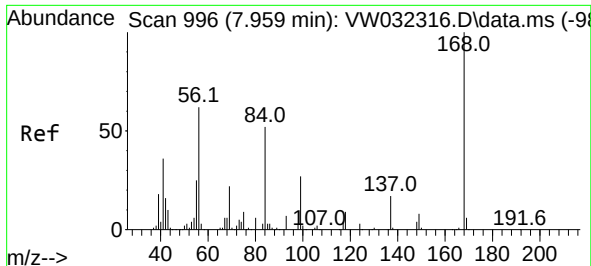
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 22:10:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

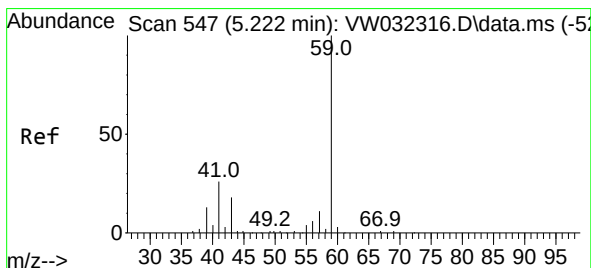
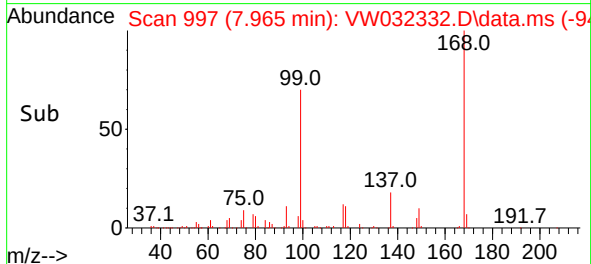
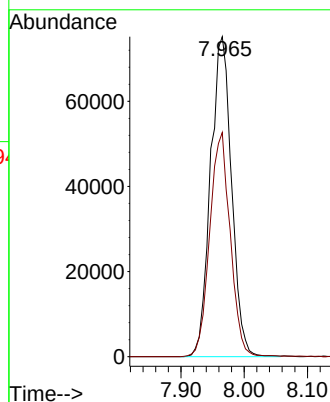
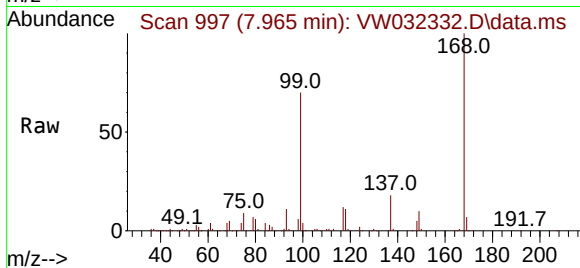




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

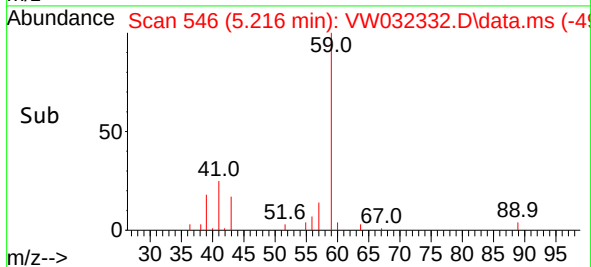
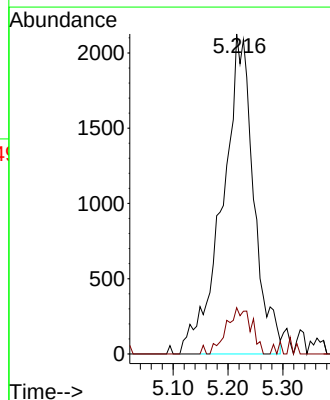
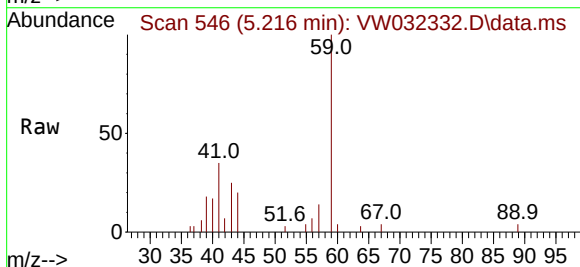
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0282

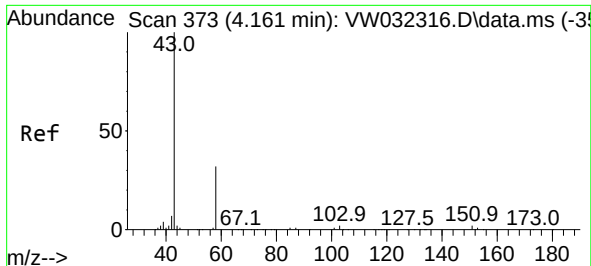
Tgt Ion:168 Resp: 173136
Ion Ratio Lower Upper
168 100
99 70.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 44.065 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion: 59 Resp: 8423
Ion Ratio Lower Upper
59 100
57 11.4 9.8 14.6

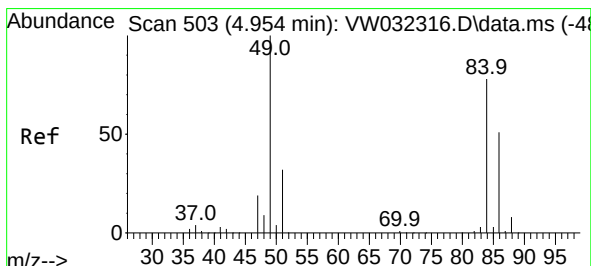
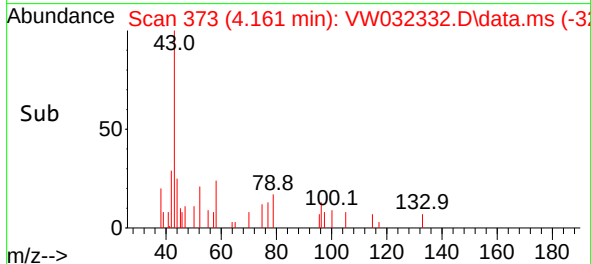
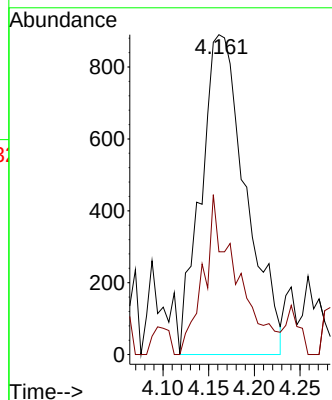
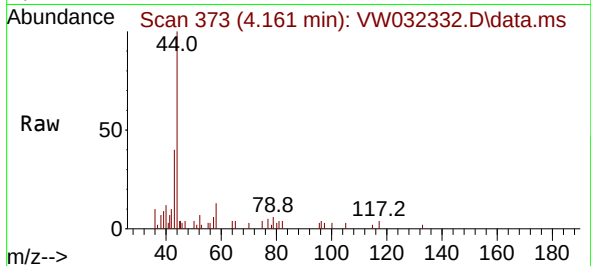




#16
Acetone
Concen: 4.346 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

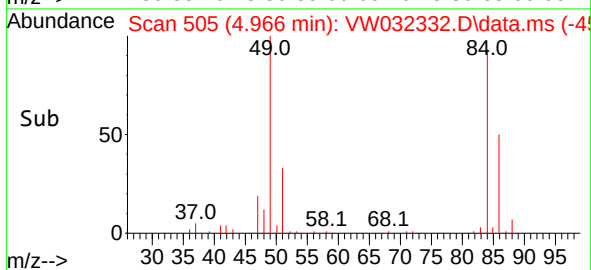
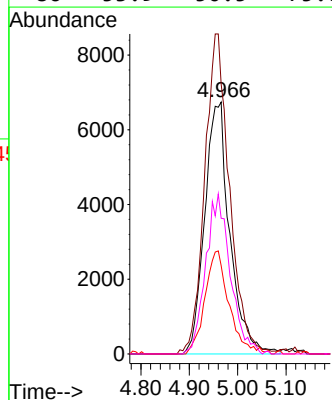
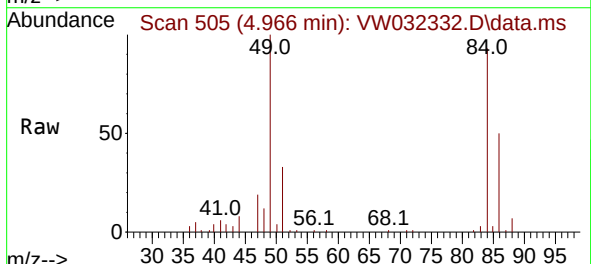
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0282

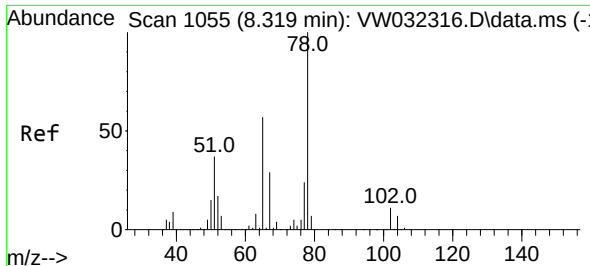
Tgt Ion: 43 Resp: 3039
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9



#20
Methylene Chloride
Concen: 5.773 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion: 84 Resp: 24310
Ion Ratio Lower Upper
84 100
49 105.4 92.2 138.4
51 35.1 31.0 46.6
86 53.9 50.5 75.7

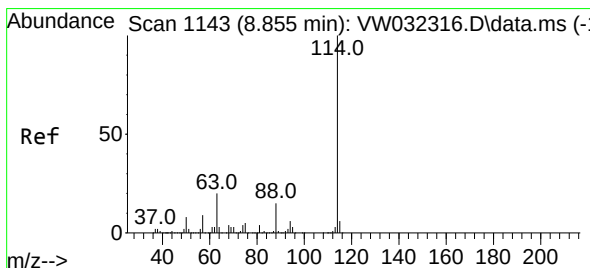
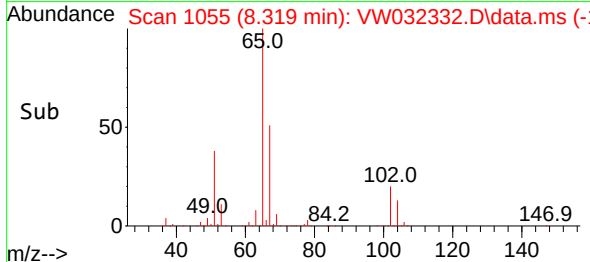
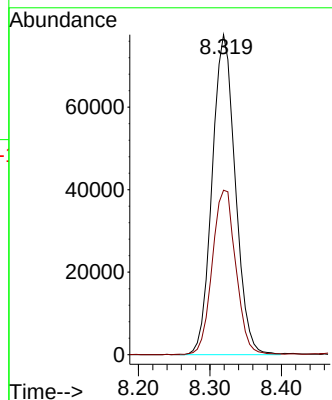
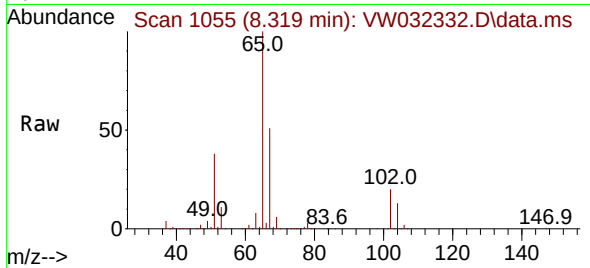




#33
 1,2-Dichloroethane-d4
 Concen: 69.040 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032332.D
 Acq: 02 Oct 2025 15:03

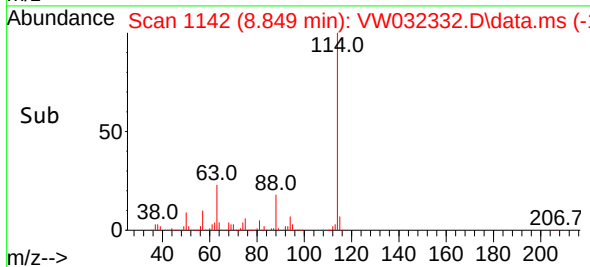
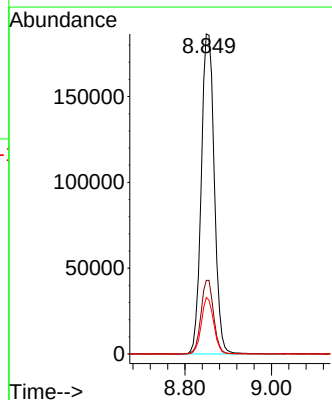
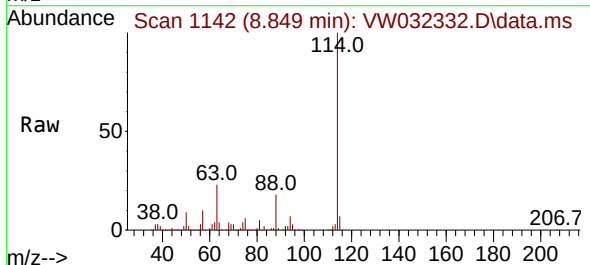
Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0282

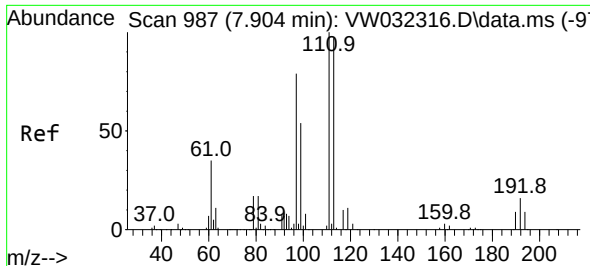
Tgt Ion: 65 Resp: 174346
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032332.D
 Acq: 02 Oct 2025 15:03

Tgt Ion: 114 Resp: 390150
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 40.4
 88 17.6 0.0 32.0

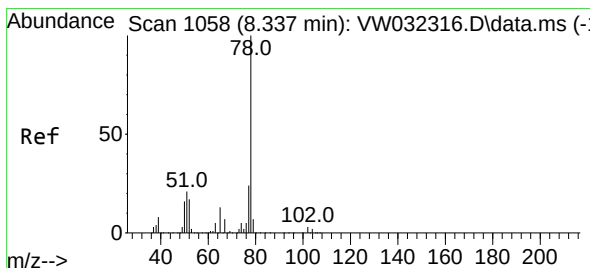
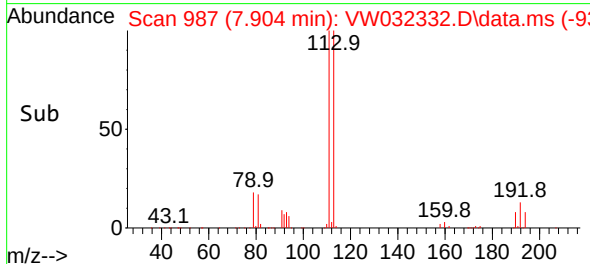
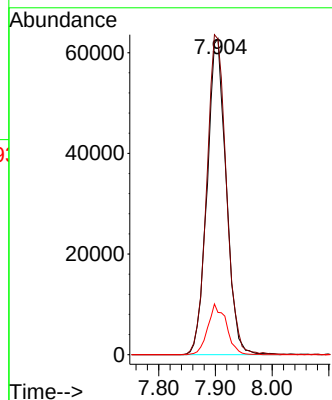
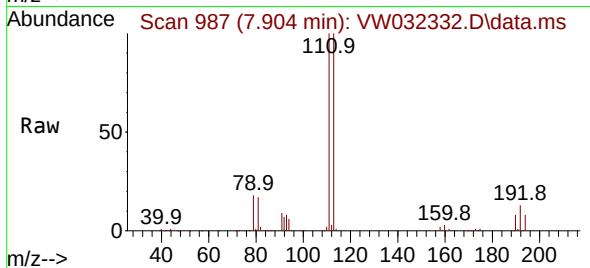




#35
Dibromofluoromethane
Concen: 58.066 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

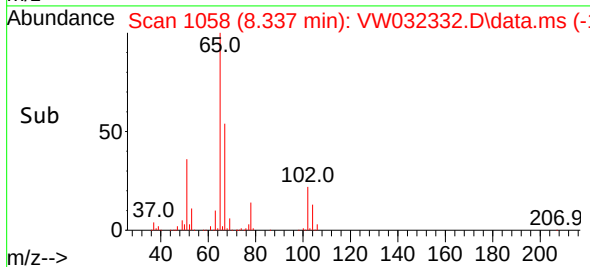
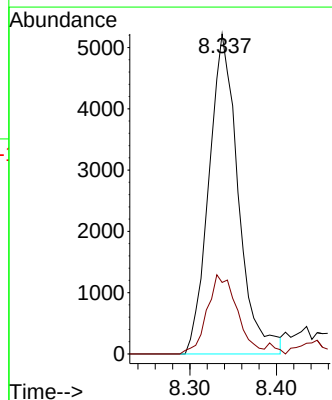
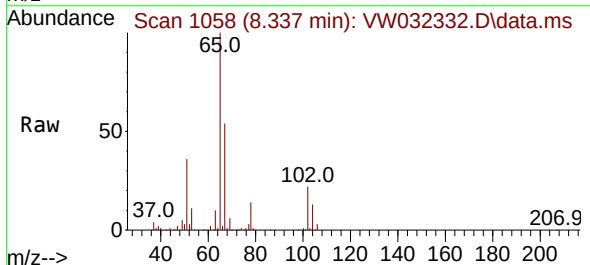
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0282

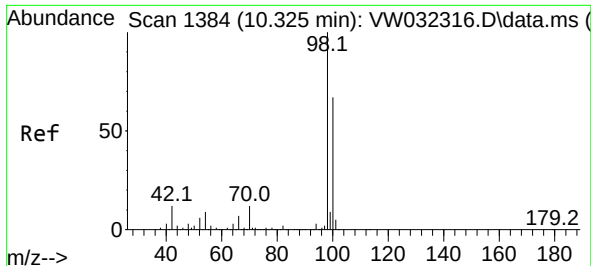
Tgt Ion:113 Resp: 146712
Ion Ratio Lower Upper
113 100
111 103.7 83.9 125.9
192 15.6 14.6 21.8



#40
Benzene
Concen: 1.101 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion: 78 Resp: 12310
Ion Ratio Lower Upper
78 100
77 22.4 20.7 31.1

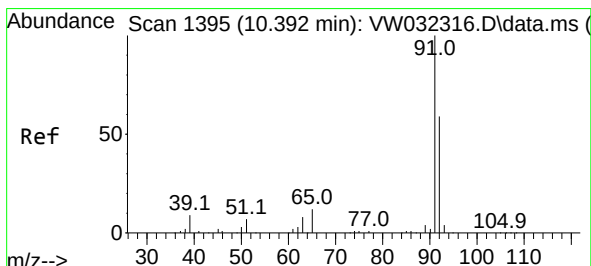
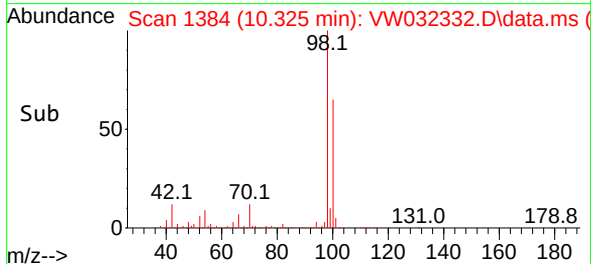
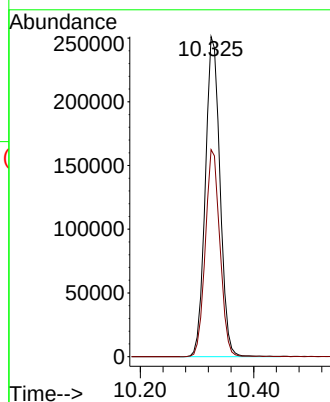
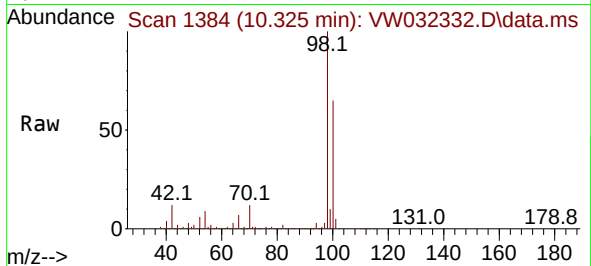




#50
Toluene-d8
Concen: 48.379 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

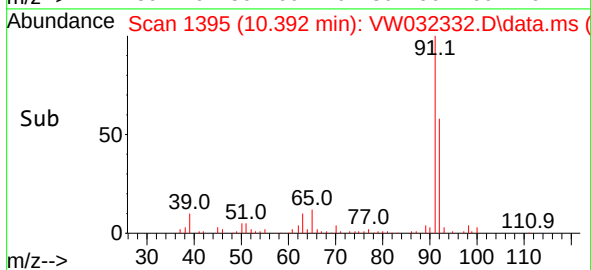
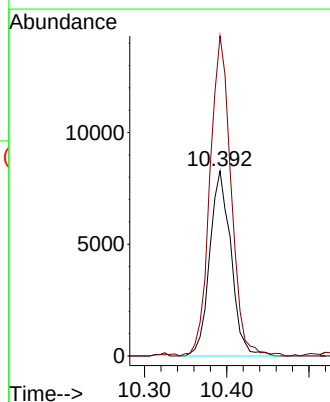
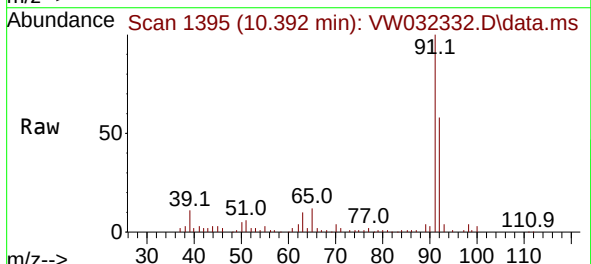
Instrument : MSVOA_W
ClientSampleId : MOO-25-0282

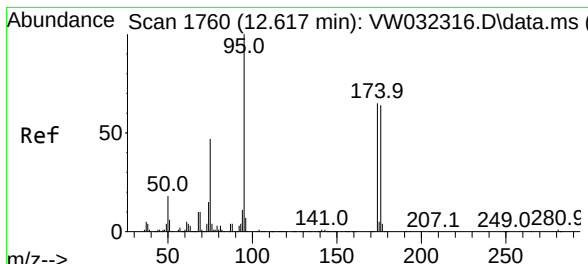
Tgt Ion: 98 Resp: 451150
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#52
Toluene
Concen: 2.132 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion: 92 Resp: 14839
Ion Ratio Lower Upper
92 100
91 172.2 137.5 206.3



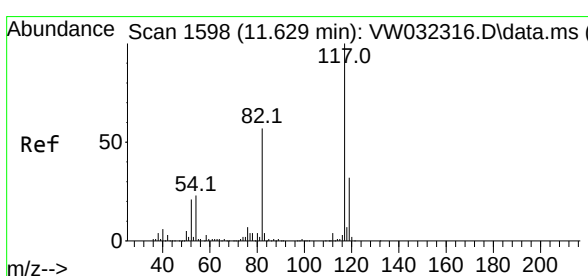
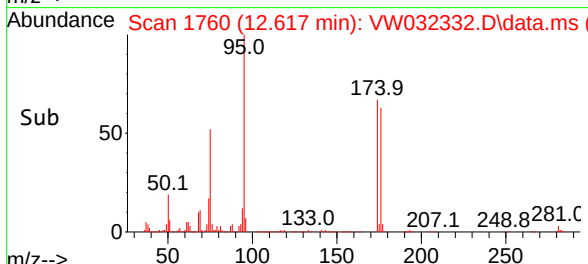
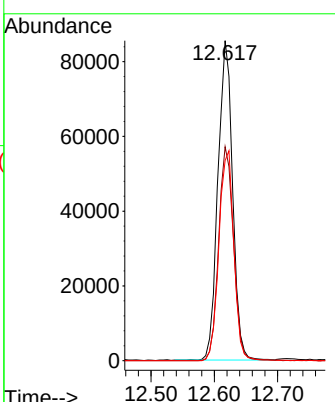
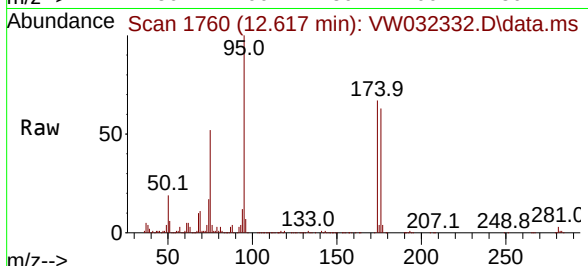


#62
 4-Bromofluorobenzene
 Concen: 38.922 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.000 min
 Lab File: VW032332.D
 Acq: 02 Oct 2025 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0282

Tgt Ion: 95 Resp: 137188

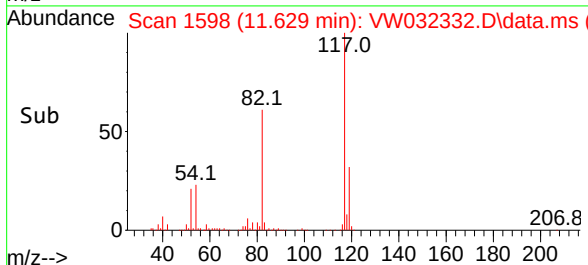
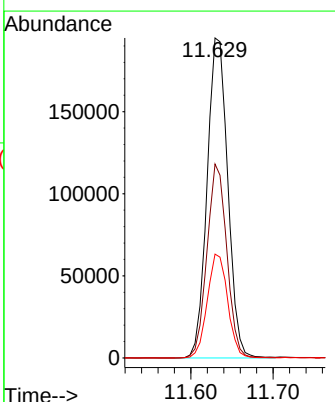
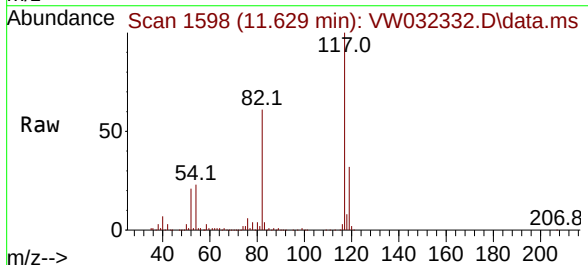
Ion	Ratio	Lower	Upper
95	100		
174	68.0	0.0	145.6
176	66.8	0.0	140.8

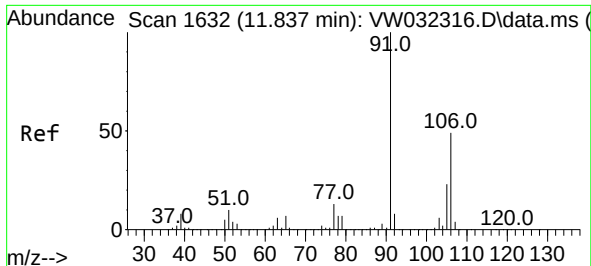


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.629 min Scan# 1598
 Delta R.T. -0.000 min
 Lab File: VW032332.D
 Acq: 02 Oct 2025 15:03

Tgt Ion: 117 Resp: 339731

Ion	Ratio	Lower	Upper
117	100		
82	60.6	42.7	64.1
119	32.4	25.2	37.8

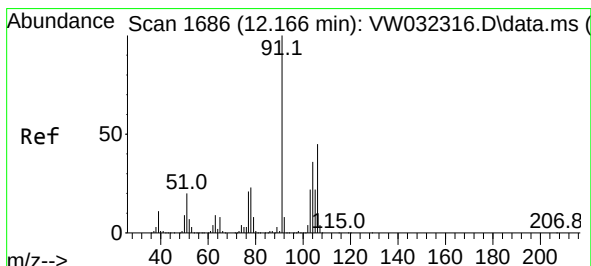
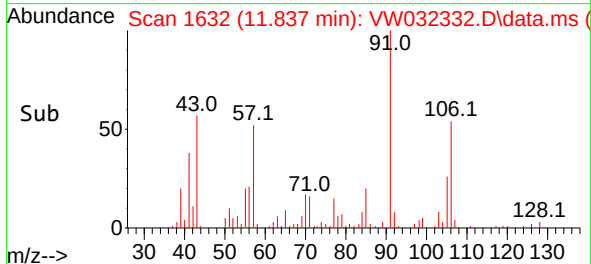
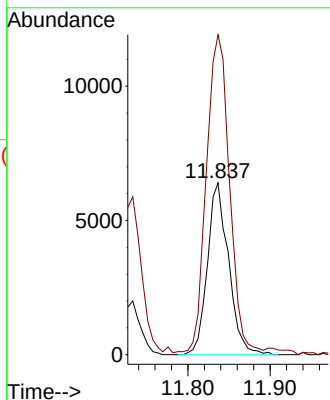
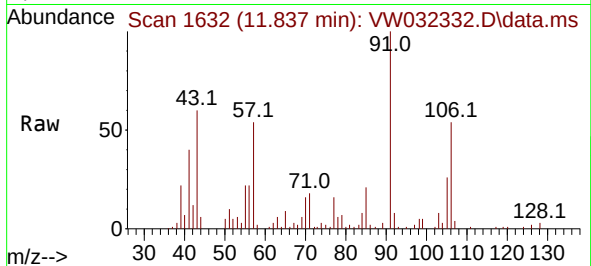




#68
m/p-Xylenes
Concen: 2.379 ug/l
RT: 11.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

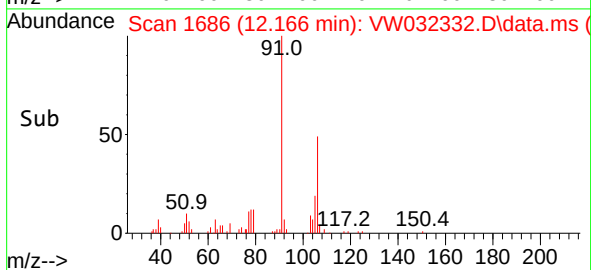
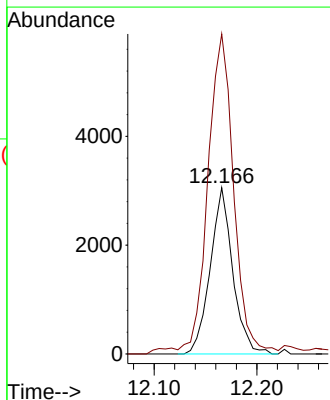
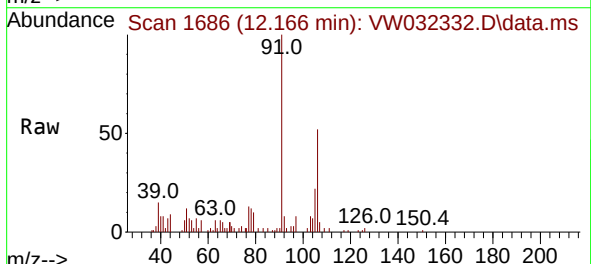
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0282

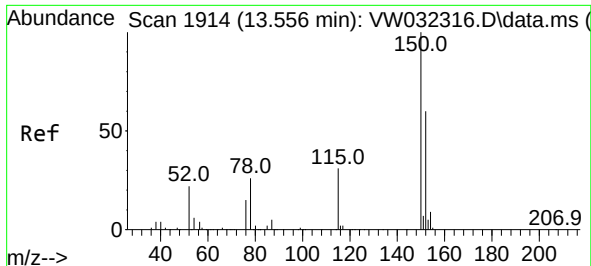
Tgt Ion:106 Resp: 11431
Ion Ratio Lower Upper
106 100
91 198.6 164.2 246.2



#69
o-Xylene
Concen: 1.034 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion:106 Resp: 4647
Ion Ratio Lower Upper
106 100
91 222.8 108.7 326.3

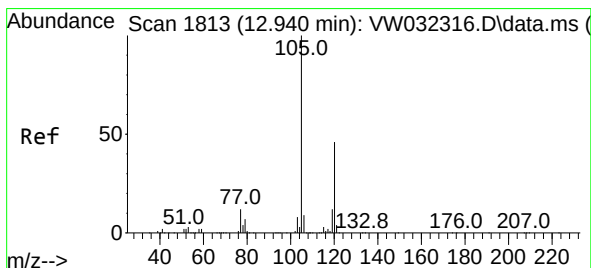
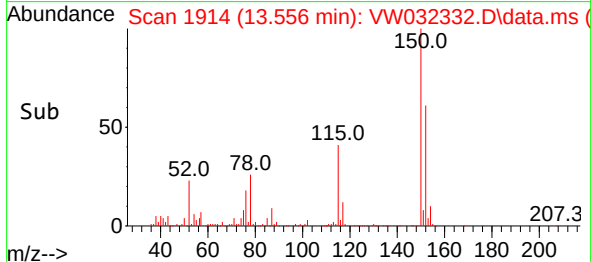
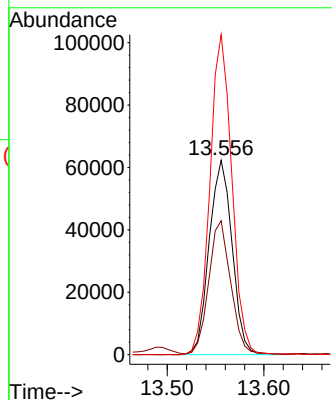
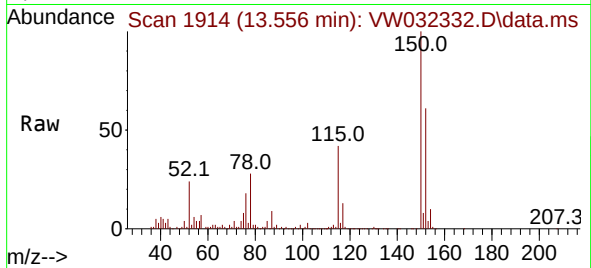




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

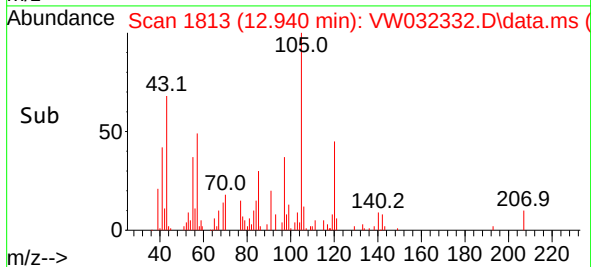
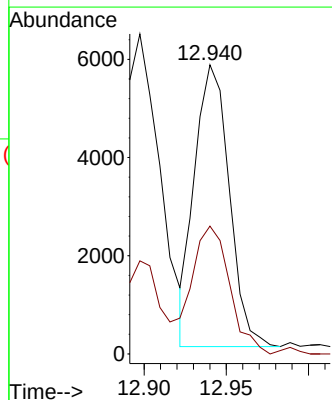
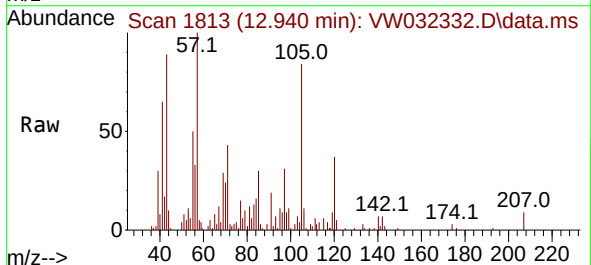
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MSVOA_W
ClientSampleId :
MOO-25-0282

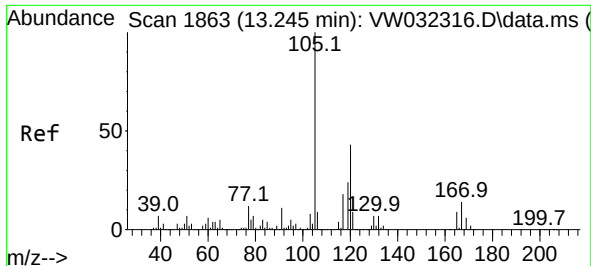
Tgt Ion:152 Resp: 102634
Ion Ratio Lower Upper
152 100
115 65.8 31.8 95.4
150 157.7 0.0 343.0



#80
1,3,5-Trimethylbenzene
Concen: 1.382 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion:105 Resp: 8392
Ion Ratio Lower Upper
105 100
120 50.7 24.8 74.4

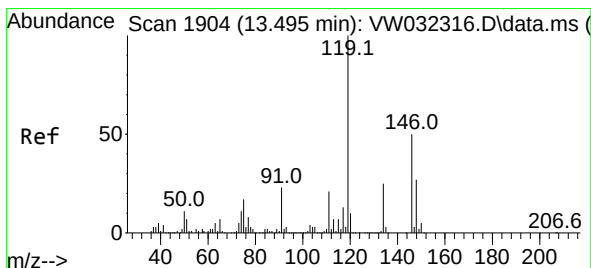
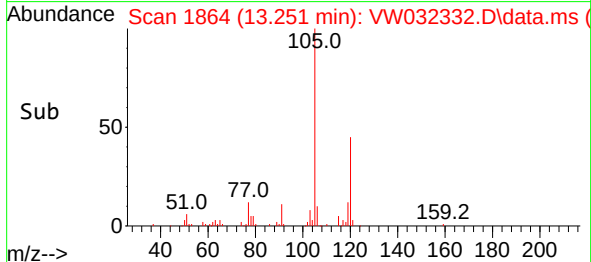
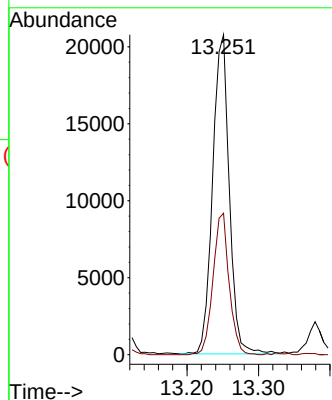
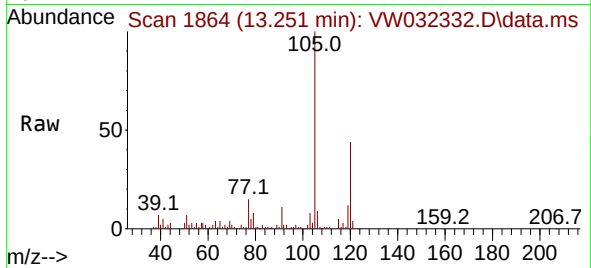




#84
1,2,4-Trimethylbenzene
Concen: 5.434 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0282

Tgt Ion:105 Resp: 33550
Ion Ratio Lower Upper
105 100
120 42.8 22.1 66.3



#86
p-Isopropyltoluene
Concen: 7.579 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW032332.D
Acq: 02 Oct 2025 15:03

Tgt Ion:119 Resp: 47879
Ion Ratio Lower Upper
119 100
134 28.9 12.6 37.6
91 0.0 12.4 37.0#

