

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032391.D
 Acq On : 20 Oct 2025 16:02
 Operator : SY/MD
 Sample : Q3376-04
 Misc : 4.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S12-047072-20251016

Quant Time: Oct 21 01:29:58 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

Manual Integrations APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	228874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	504890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	502710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	262504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	202348	60.615	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 121.220%			
35) Dibromofluoromethane	7.904	113	174367	53.328	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 106.660%			
50) Toluene-d8	10.325	98	636003	52.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.617	95	310757	68.130	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 136.260%			
Target Compounds					Qvalue	
16) Acetone	4.161	43	148038	160.155	ug/l	98
17) Carbon Disulfide	4.423	76	69495	9.874	ug/l	100
18) Methyl Acetate	4.716	43	6477	2.446	ug/l	99
25) 2-Butanone	7.197	43	64125	50.937	ug/l	95
39) Methylcyclohexane	9.343	83	80383m	14.441	ug/l	
40) Benzene	8.337	78	64494	4.459	ug/l	94
67) Ethyl Benzene	11.733	91	24990	1.355	ug/l	99
68) m/p-Xylenes	11.837	106	51068	7.183	ug/l	90
69) o-Xylene	12.166	106	86936	13.076	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	49348	3.178	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	98535	6.240	ug/l	100

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

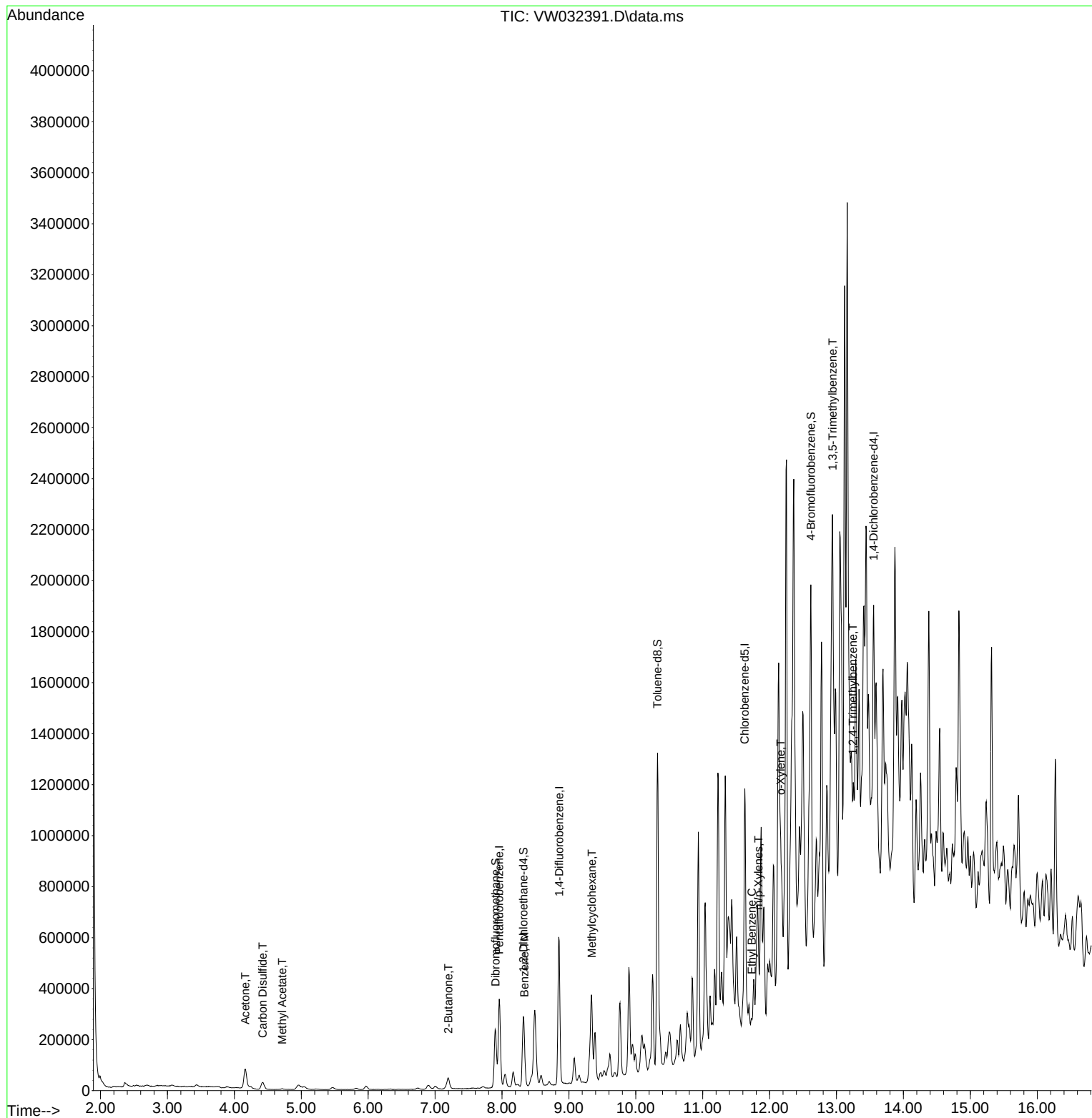
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032391.D
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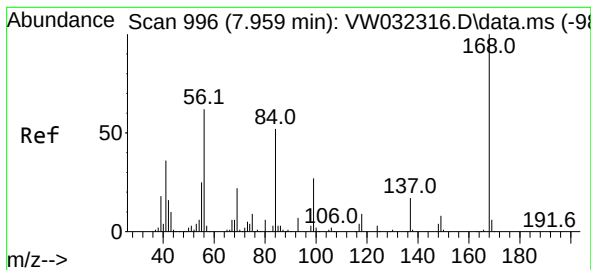
Instrument :
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ClientSampleId :
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Quant Time: Oct 21 01:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

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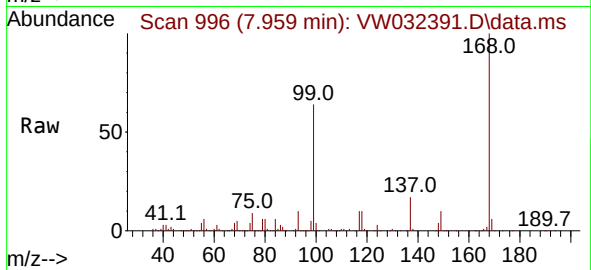
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

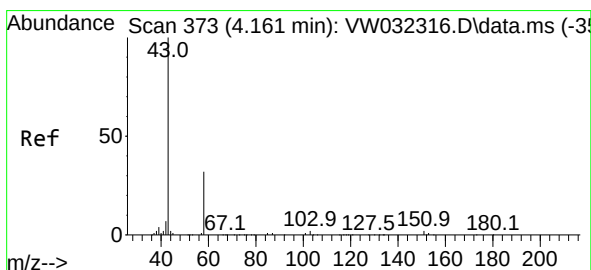
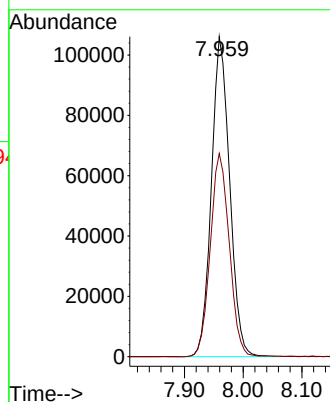
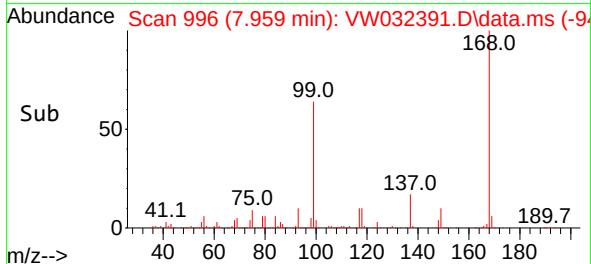
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016



Tgt Ion:168 Resp: 228874
Ion Ratio Lower Upper
168 100
99 63.5 49.3 73.9

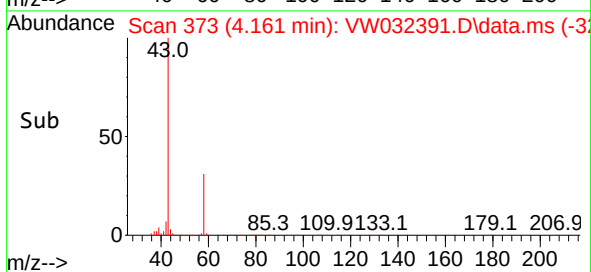
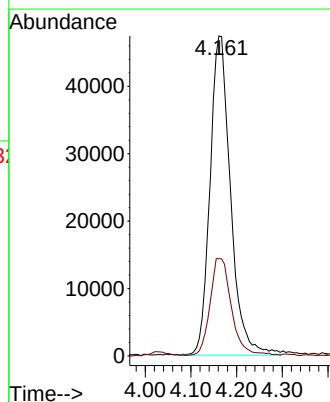
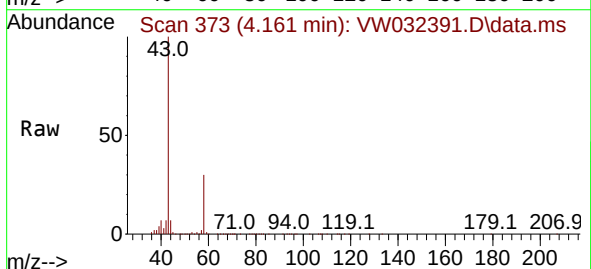
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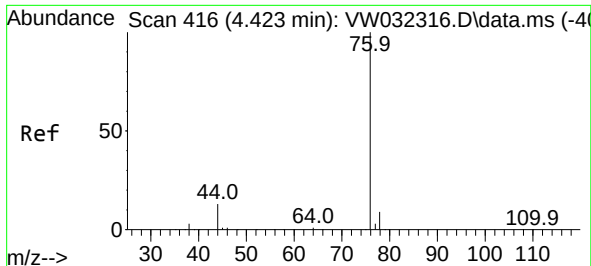
Reviewed By :Amit Patel 10/21/2025
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#16
Acetone
Concen: 160.155 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

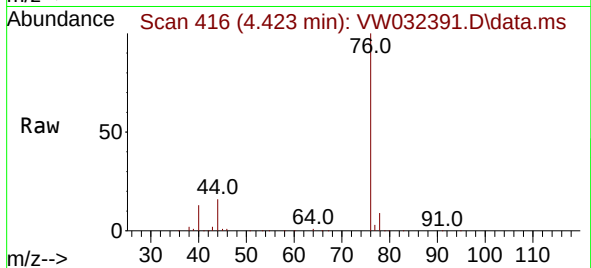
Tgt Ion: 43 Resp: 148038
Ion Ratio Lower Upper
43 100
58 30.2 25.3 37.9





#17
Carbon Disulfide
Concen: 9.874 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

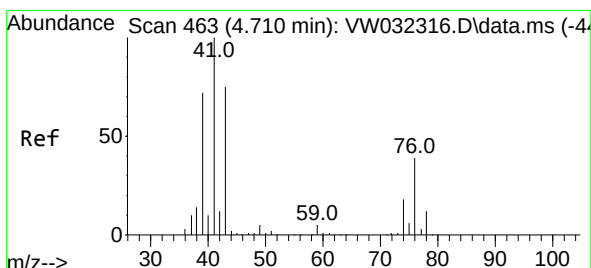
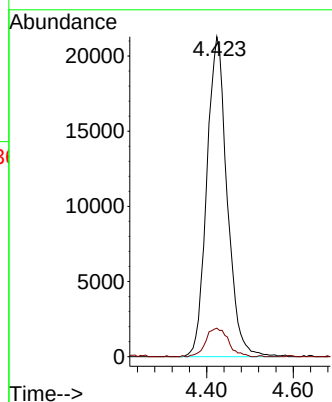
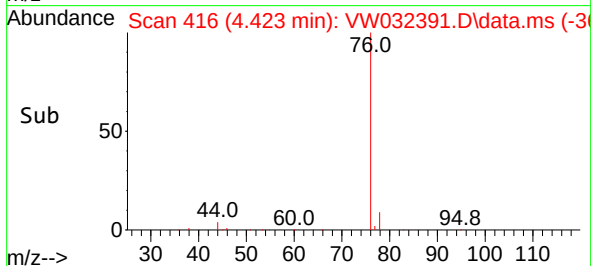
Instrument : MSVOA_W
ClientSampleId : PR132-S12-047072-20251016



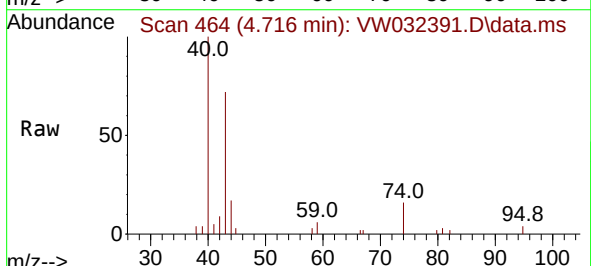
Tgt Ion: 76 Resp: 6949
Ion Ratio Lower Upper
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78 8.9 7.0 10.6

Manual Integrations
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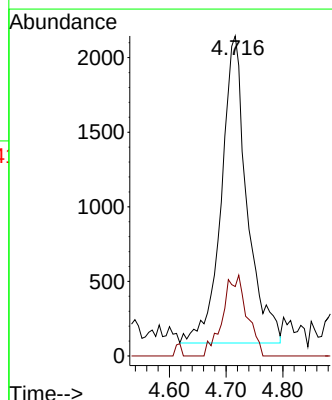
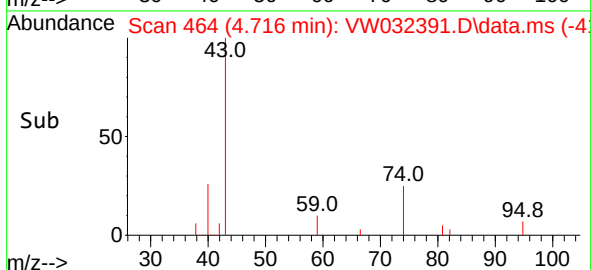
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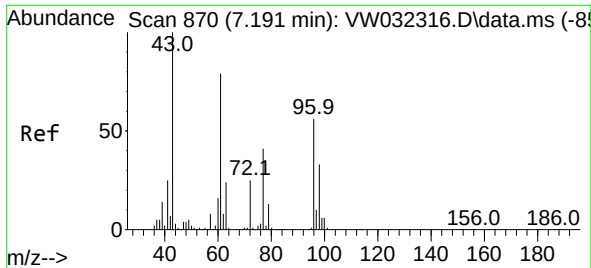


#18
Methyl Acetate
Concen: 2.446 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02



Tgt Ion: 43 Resp: 6477
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.4





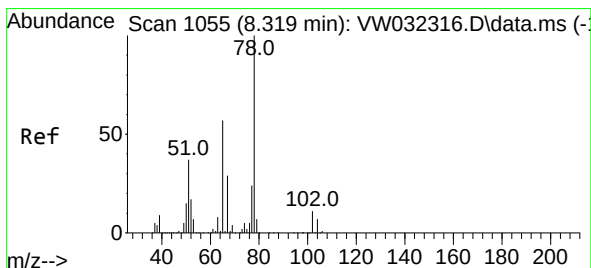
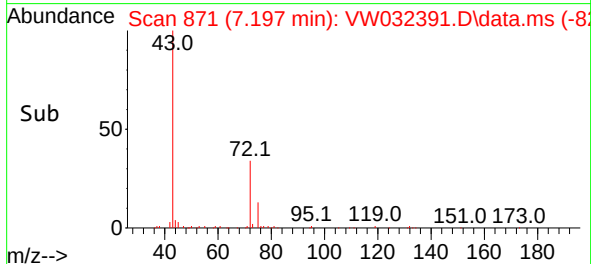
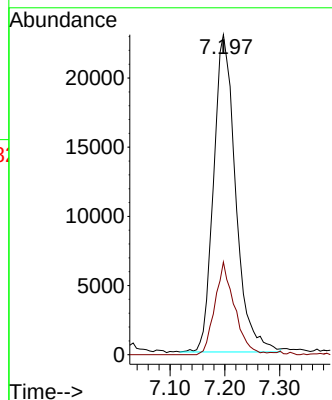
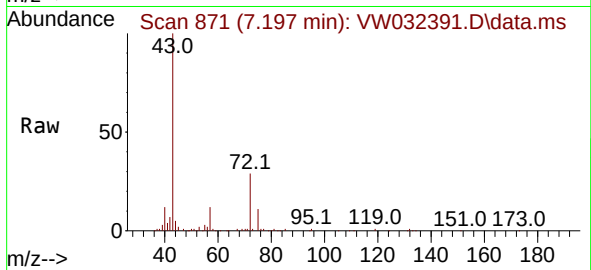
#25
2-Butanone
Concen: 50.937 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion: 43 Resp: 6412
Ion Ratio Lower Upper
43 100
72 29.2 21.4 32.2

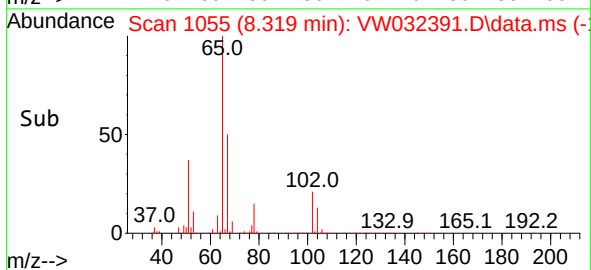
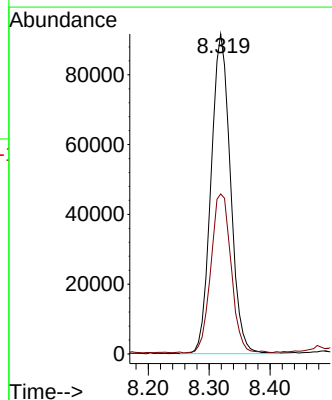
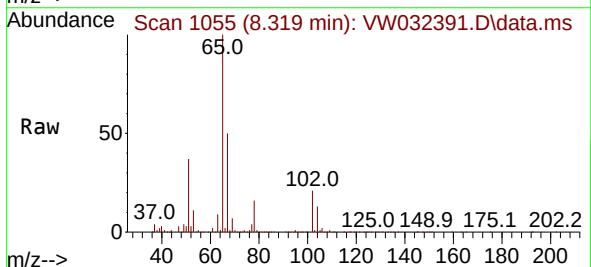
Manual Integrations
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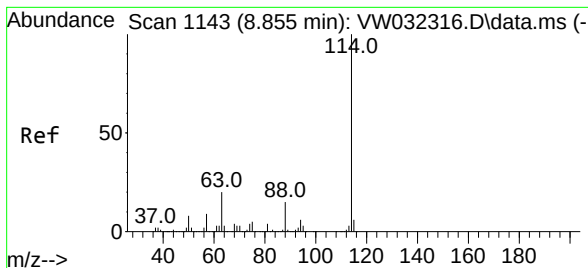
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#33
1,2-Dichloroethane-d4
Concen: 60.615 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Tgt Ion: 65 Resp: 202348
Ion Ratio Lower Upper
65 100
67 51.7 0.0 99.6





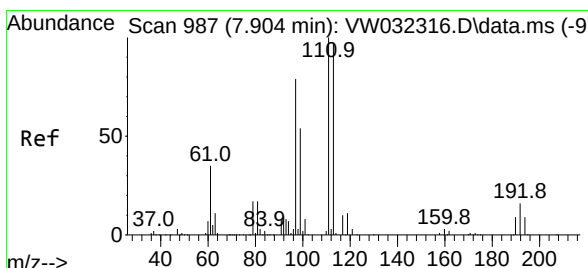
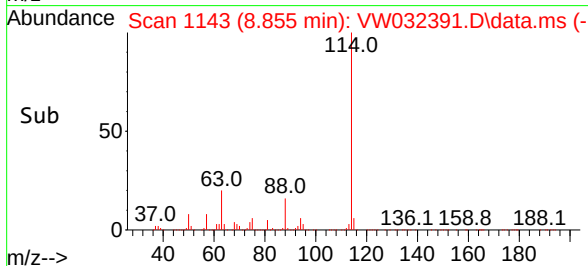
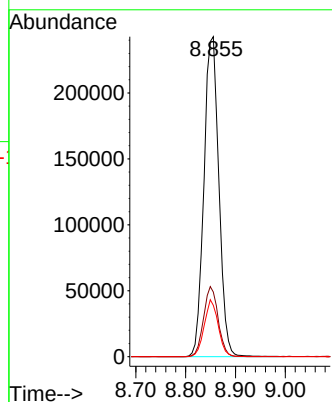
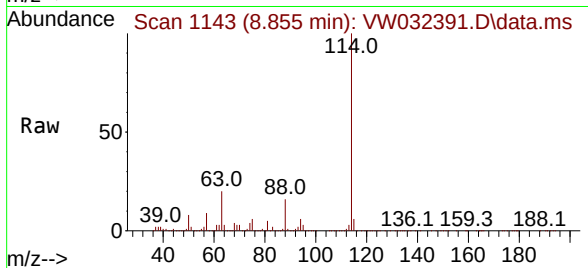
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

Instrument : MSVOA_W
ClientSampleId : PR132-S12-047072-20251016

Tgt Ion:114 Resp: 504890
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.4
88 16.0 0.0 32.0

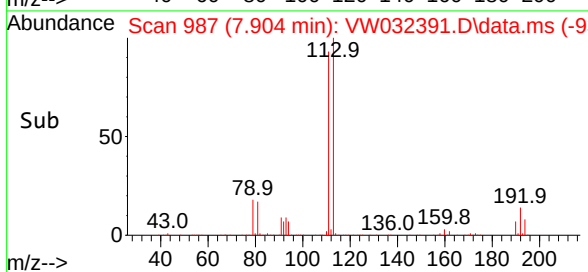
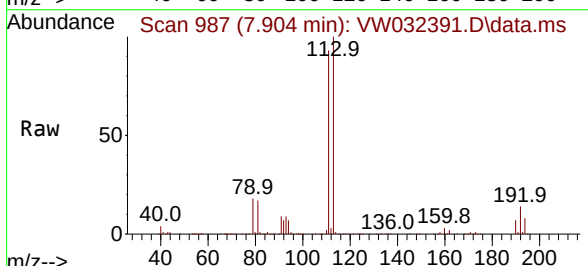
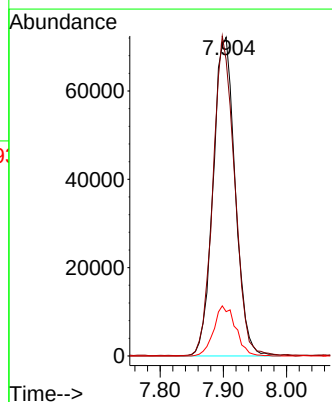
Manual Integrations
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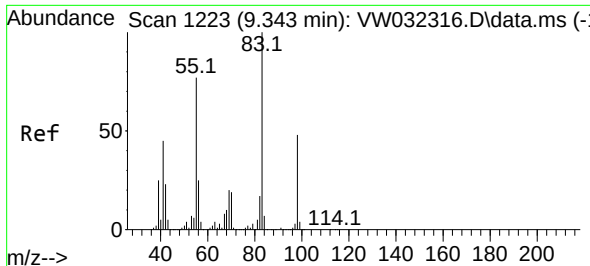
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#35
Dibromofluoromethane
Concen: 53.328 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

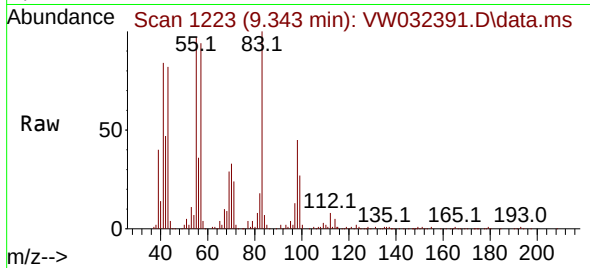
Tgt Ion:113 Resp: 174367
Ion Ratio Lower Upper
113 100
111 98.3 83.9 125.9
192 15.7 14.6 21.8





#39
Methylcyclohexane
Concen: 14.441 ug/l m
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

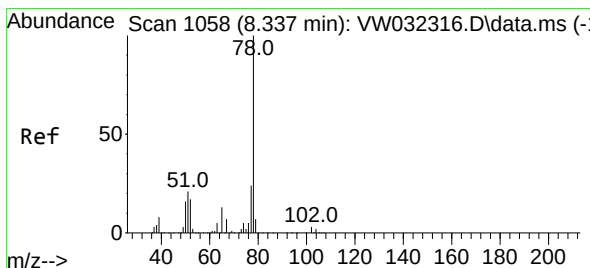
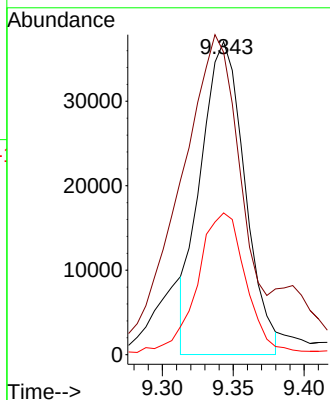
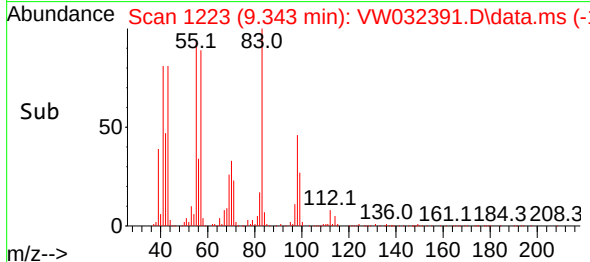
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MSVOA_W
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PR132-S12-047072-20251016



Tgt Ion: 83 Resp: 8038
Ion Ratio Lower Upper
83 100
55 96.6 58.4 87.6
98 45.3 39.4 59.2

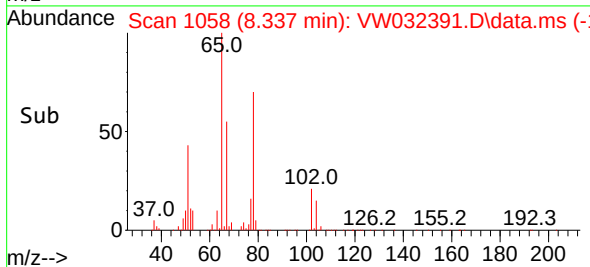
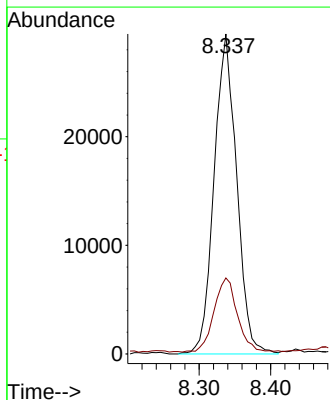
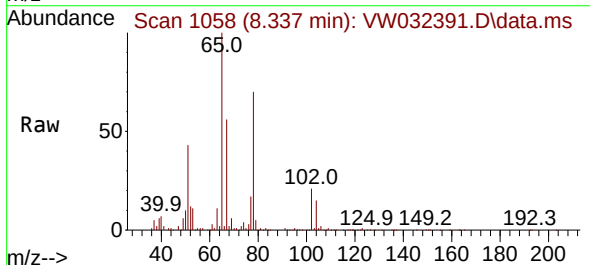
Manual Integrations
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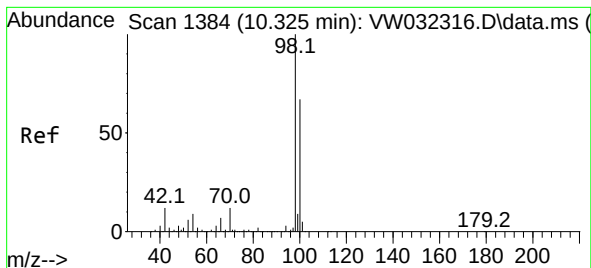
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#40
Benzene
Concen: 4.459 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

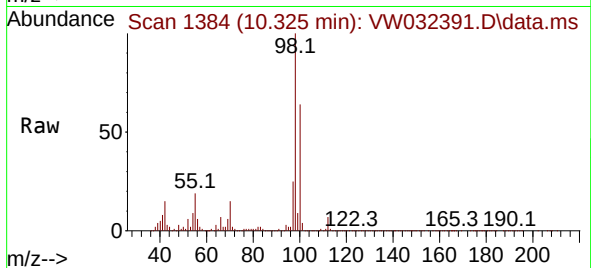
Tgt Ion: 78 Resp: 64494
Ion Ratio Lower Upper
78 100
77 23.0 20.7 31.1





#50
Toluene-d8
Concen: 52.702 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

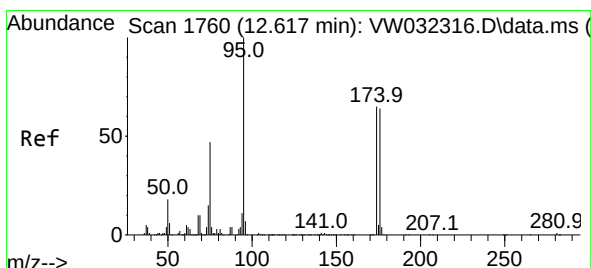
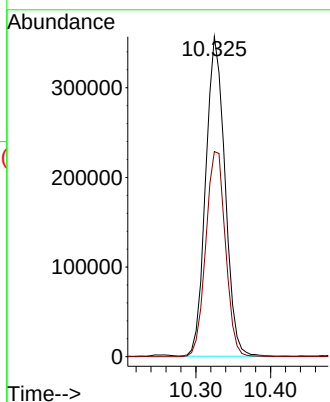
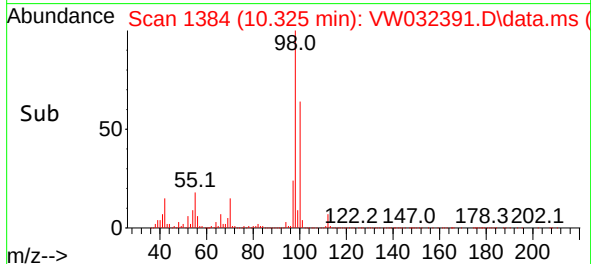
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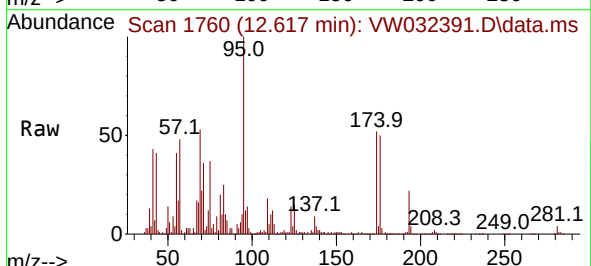
Tgt Ion: 98 Resp: 63600
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2

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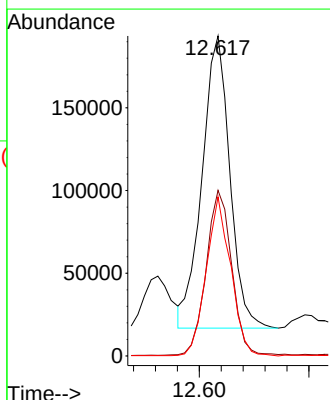
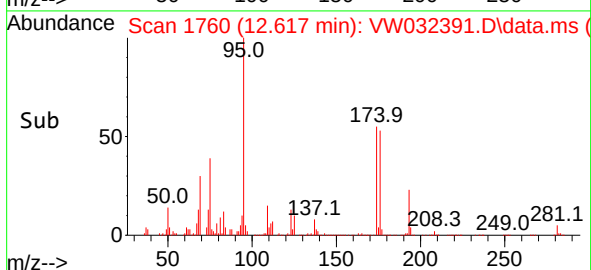
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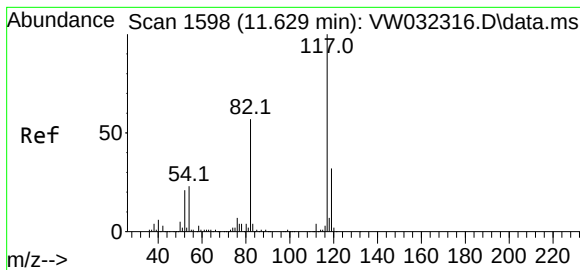


#62
4-Bromofluorobenzene
Concen: 68.130 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02



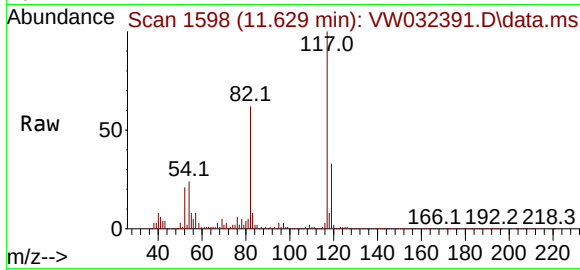
Tgt Ion: 95 Resp: 310757
Ion Ratio Lower Upper
95 100
174 52.1 0.0 145.6
176 48.0 0.0 140.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

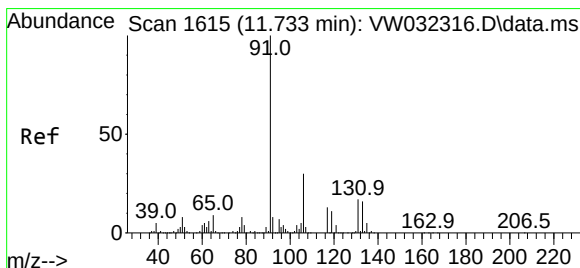
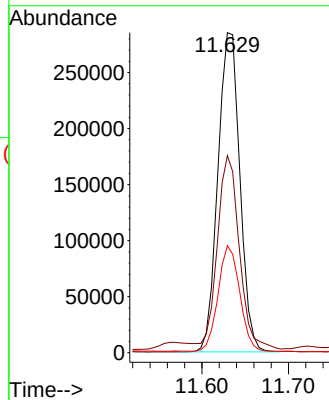
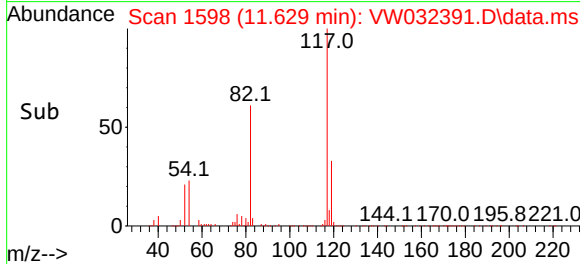
Instrument : MSVOA_W
ClientSampleId : PR132-S12-047072-20251016



Tgt Ion: 117 Resp: 502710
Ion Ratio Lower Upper
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82 60.6 42.7 64.1
119 33.1 25.2 37.8

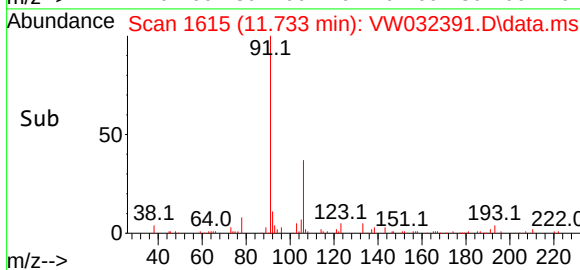
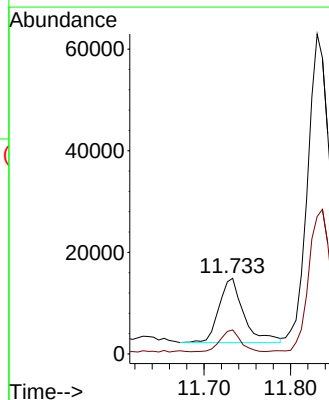
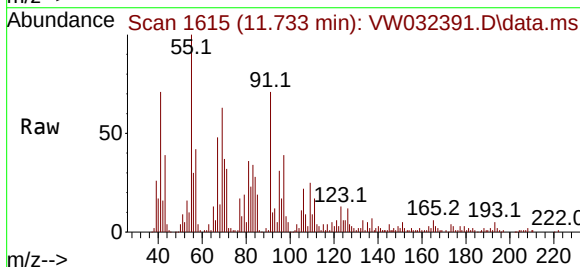
Manual Integrations
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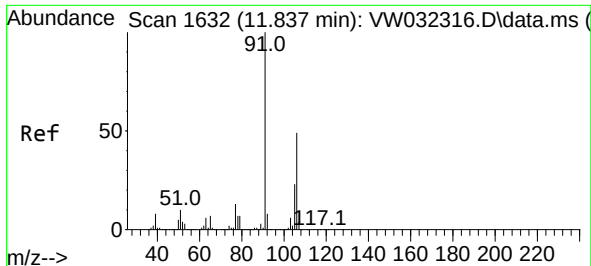
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025



#67
Ethyl Benzene
Concen: 1.355 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

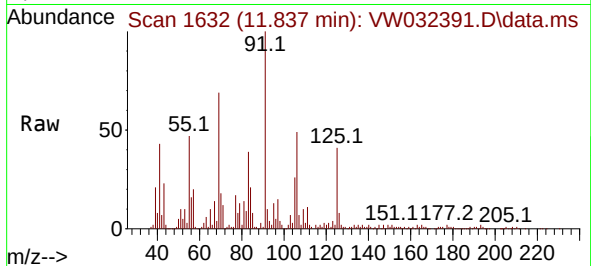
Tgt Ion: 91 Resp: 24990
Ion Ratio Lower Upper
91 100
106 32.4 25.3 37.9





#68
m/p-Xylenes
Concen: 7.183 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02

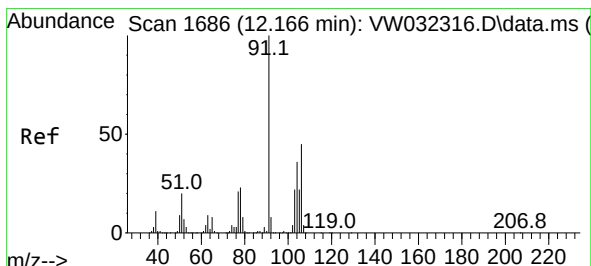
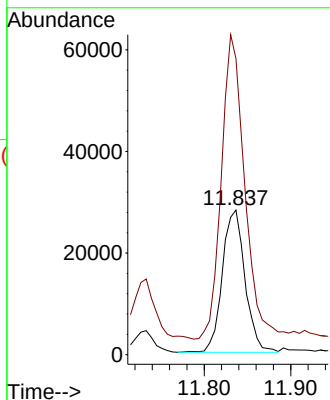
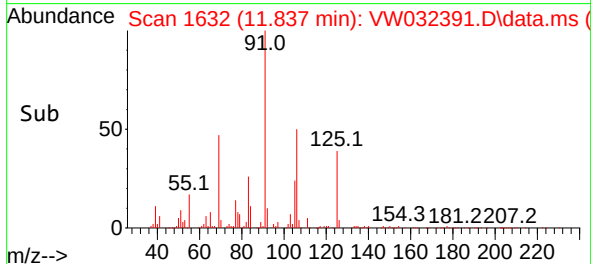
Instrument :
MSVOA_W
ClientSampleId :
PR132-S12-047072-20251016



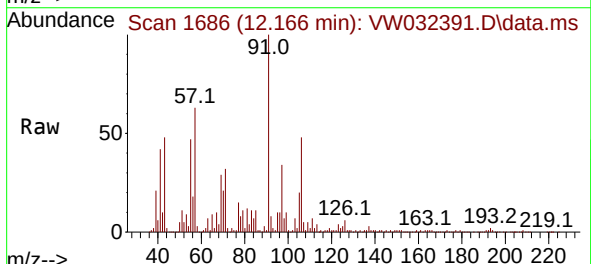
Tgt Ion:106 Resp: 51068
Ion Ratio Lower Upper
106 100
91 220.6 164.2 246.2

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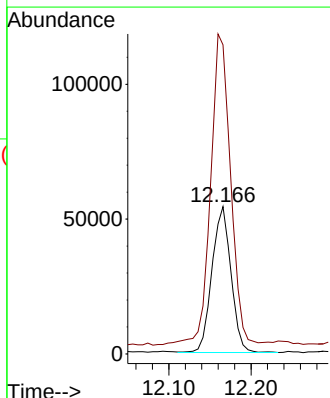
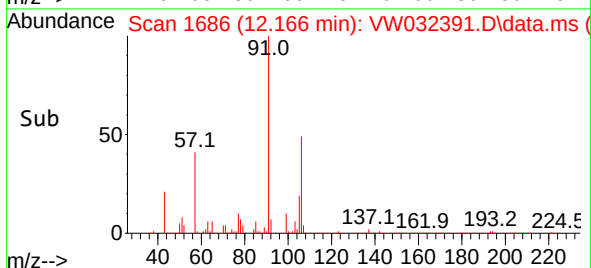
Reviewed By :Amit Patel 10/21/2025
Supervised By :Semsettin Yesilyurt 10/21/2025

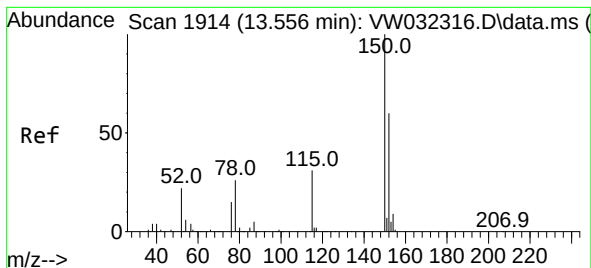


#69
o-Xylene
Concen: 13.076 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032391.D
Acq: 20 Oct 2025 16:02



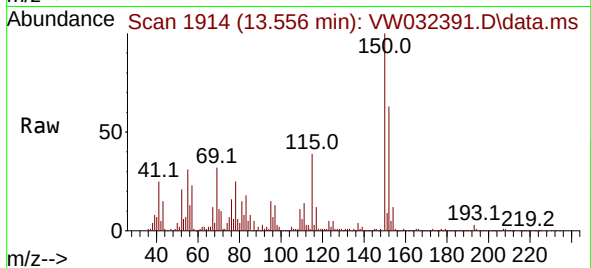
Tgt Ion:106 Resp: 86936
Ion Ratio Lower Upper
106 100
91 222.8 108.7 326.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032391.D
 Acq: 20 Oct 2025 16:02

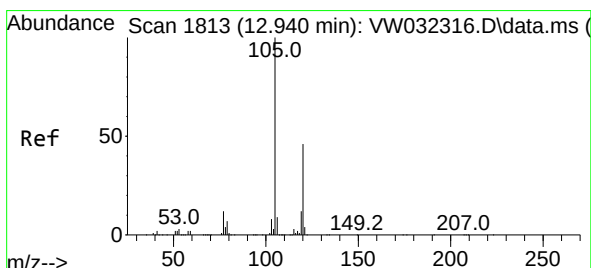
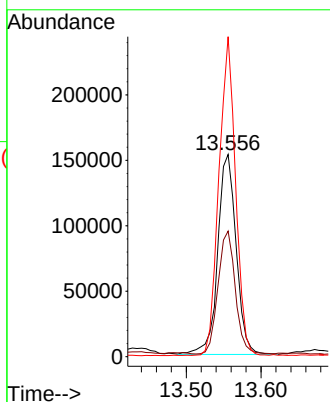
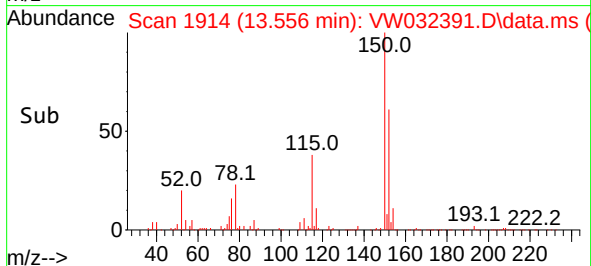
Instrument :
 MSVOA_W
 ClientSampleId :
 PR132-S12-047072-20251016



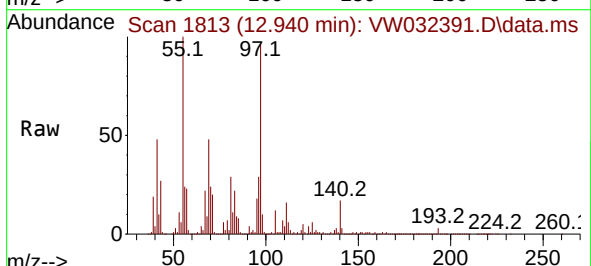
Tgt Ion:152 Resp: 262504
 Ion Ratio Lower Upper
 152 100
 115 57.4 31.8 95.4
 150 144.2 0.0 343.0

Manual Integrations
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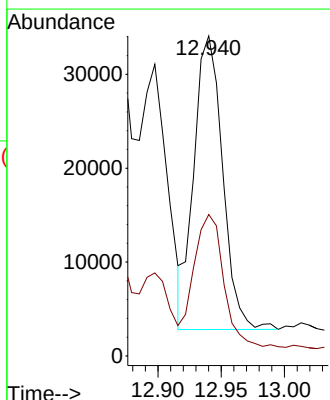
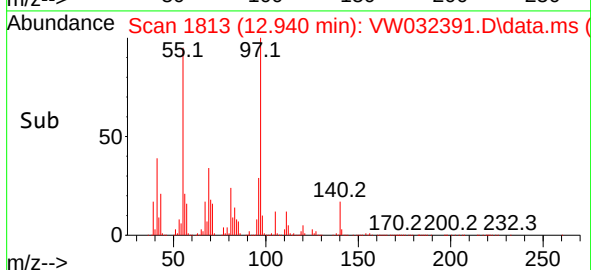
Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

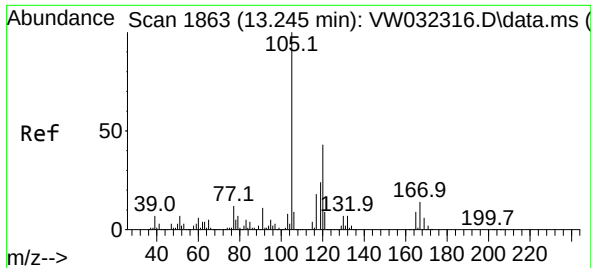


#80
 1,3,5-Trimethylbenzene
 Concen: 3.178 ug/l
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW032391.D
 Acq: 20 Oct 2025 16:02



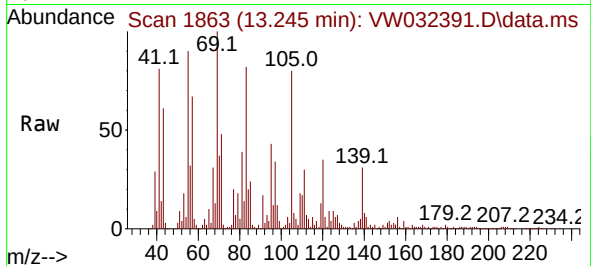
Tgt Ion:105 Resp: 49348
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.8 74.4





#84
 1,2,4-Trimethylbenzene
 Concen: 6.240 ug/l
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW032391.D
 Acq: 20 Oct 2025 16:02

Instrument : MSVOA_W
 ClientSampleId : PR132-S12-047072-20251016



Tgt Ion:105 Resp: 9853
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.3

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/21/2025
 Supervised By :Semsettin Yesilyurt 10/21/2025

