

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032430.D
 Acq On : 11 Nov 2025 14:59
 Operator : SY/MD
 Sample : Q3590-02
 Misc : 4.92g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0314-0316-COMP

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 03:50:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	220077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	510268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	367370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	134909	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	204920	72.223	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 144.440%			
35) Dibromofluoromethane	7.904	113	184302	60.326	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 120.660%			
50) Toluene-d8	10.325	98	658833	56.213	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 112.420%			
62) 4-Bromofluorobenzene	12.611	95	195024	44.048	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 88.100%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	54476	222.040	ug/l	99
39) Methylcyclohexane	9.343	83	296419	50.832	ug/l	92
52) Toluene	10.392	92	94123	10.512	ug/l	99
67) Ethyl Benzene	11.733	91	708418	51.707	ug/l	98
68) m/p-Xylenes	11.837	106	1532050	297.829	ug/l	98
69) o-Xylene	12.166	106	869502	176.534	ug/l	97
73) Isopropylbenzene	12.465	105	480816	48.527	ug/l	83
78) n-propylbenzene	12.800	91	864329	71.632	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	984542	120.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	3860286	464.305	ug/l	98
85) sec-Butylbenzene	13.379	105	385261	36.379	ug/l	# 73
86) p-Isopropyltoluene	13.495	119	307802	35.202	ug/l	95
89) n-Butylbenzene	13.818	91	301529m	35.298	ug/l	

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

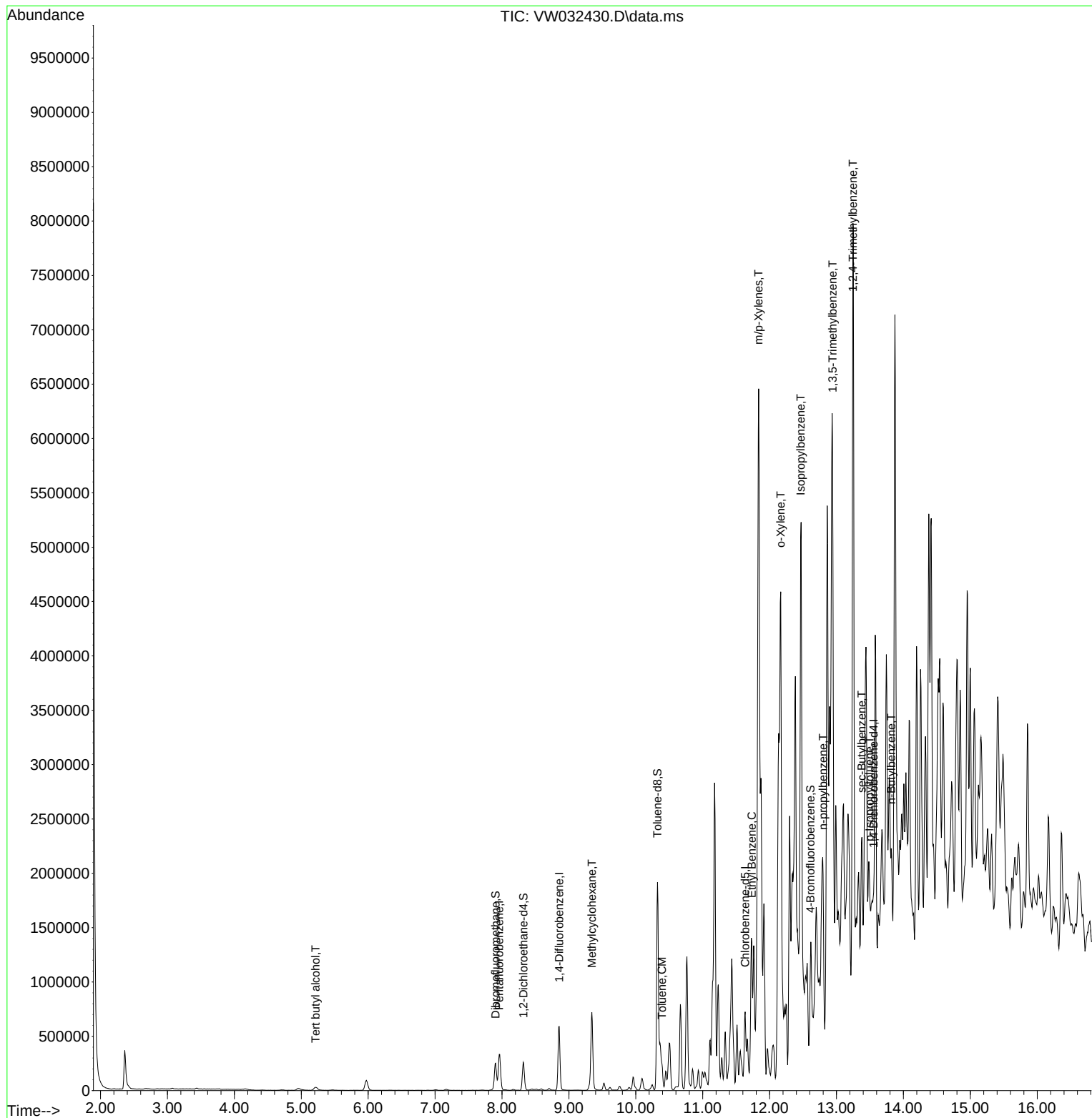
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032430.D
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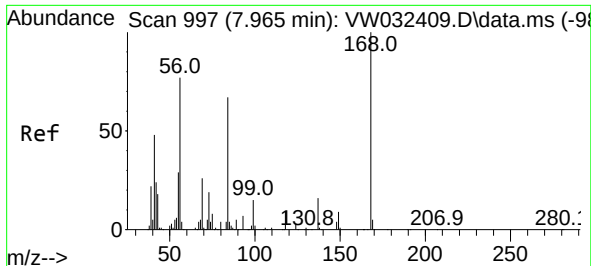
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

Quant Time: Nov 12 03:50:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
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Manual Integrations
APPROVED

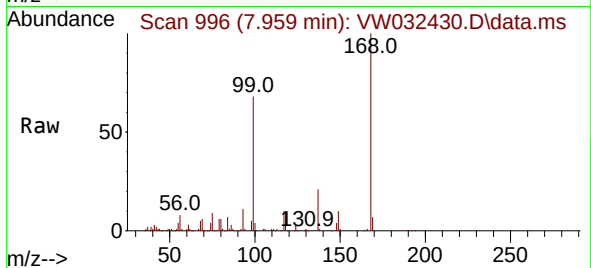
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

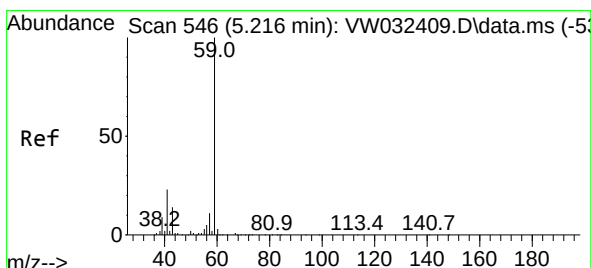
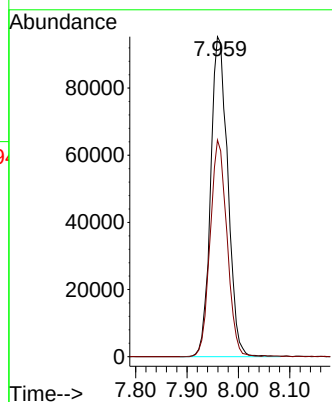
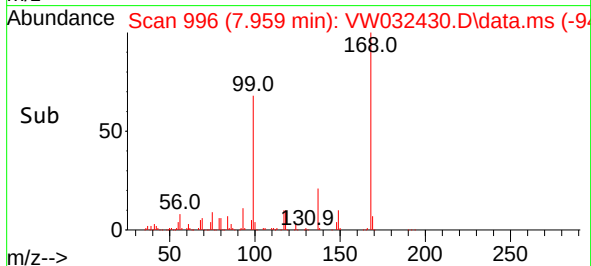
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP



Tgt Ion:168 Resp: 22007
Ion Ratio Lower Upper
168 100
99 67.7 45.4 68.2

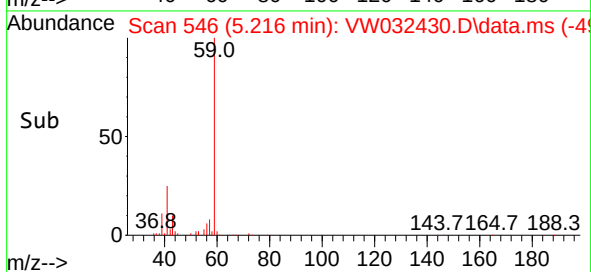
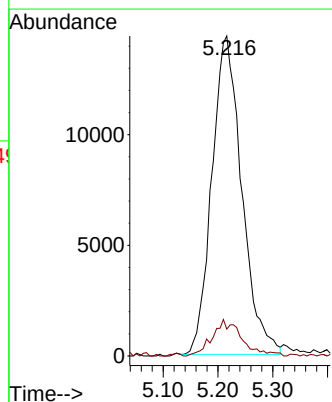
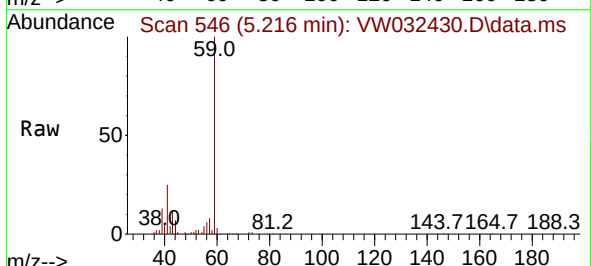
Manual Integrations
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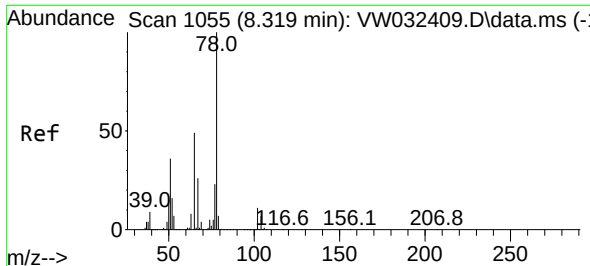
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#11
Tert butyl alcohol
Concen: 222.040 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

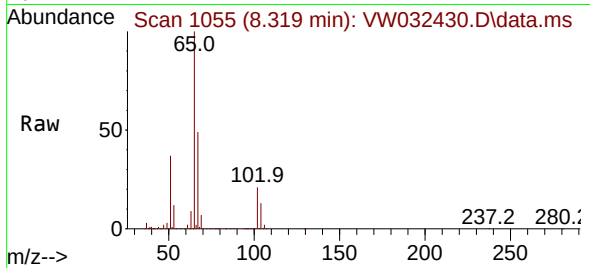
Tgt Ion: 59 Resp: 54476
Ion Ratio Lower Upper
59 100
57 11.2 8.6 12.8





#33
 1,2-Dichloroethane-d4
 Concen: 72.223 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032430.D
 Acq: 11 Nov 2025 14:59

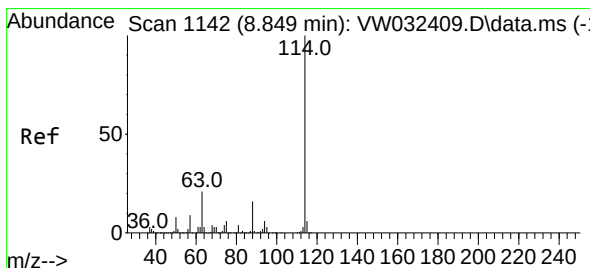
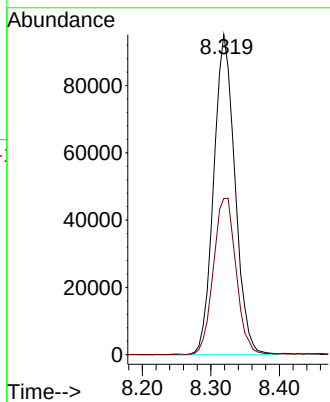
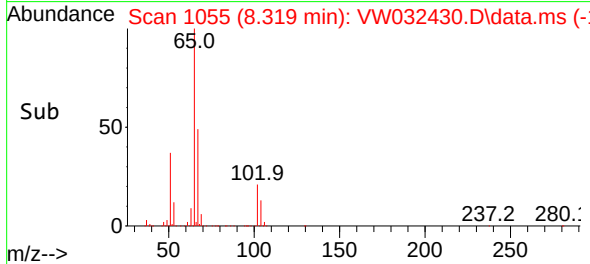
Instrument : MSVOA_W
 ClientSampleId : MOO-25-0314-0316-COMP



Tgt Ion: 65 Resp: 204920
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8

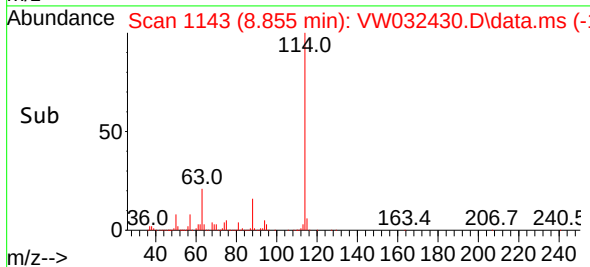
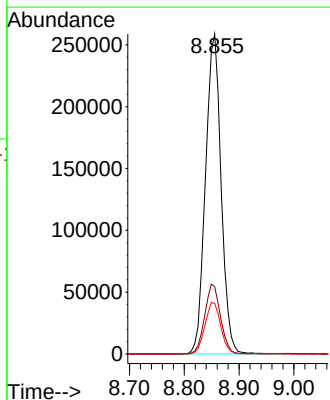
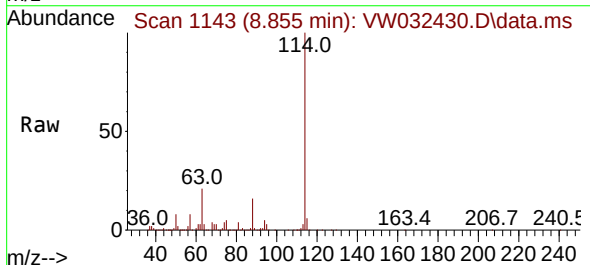
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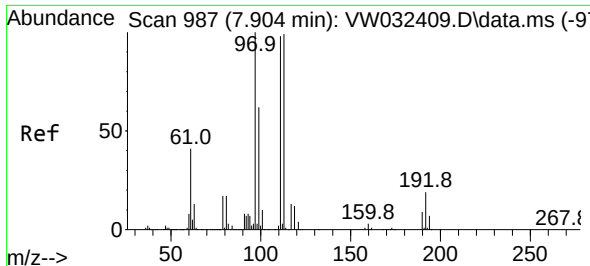
Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032430.D
 Acq: 11 Nov 2025 14:59

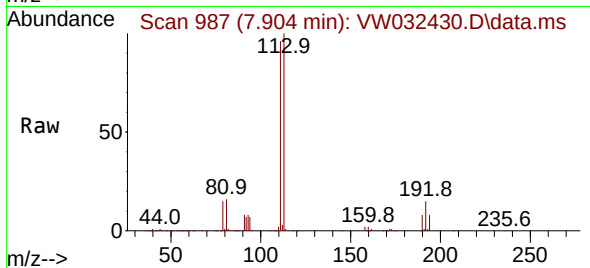
Tgt Ion:114 Resp: 510268
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.8
 88 15.8 0.0 32.6





#35
Dibromofluoromethane
Concen: 60.326 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

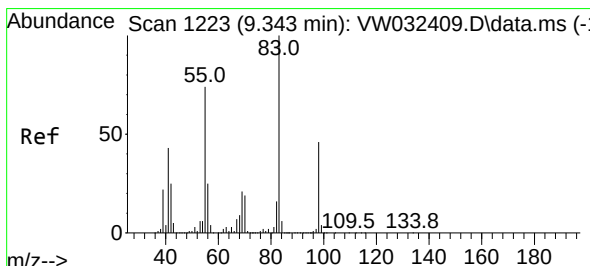
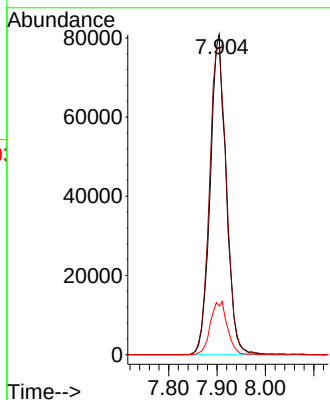
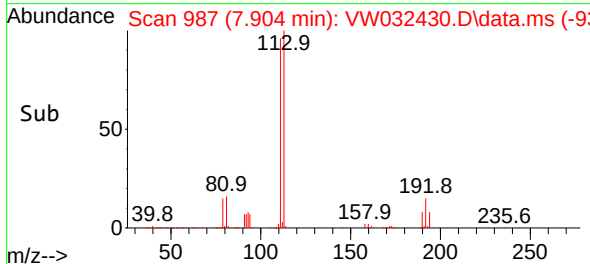
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP



Tgt Ion: 113 Resp: 184302
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 17.6 13.4 20.2

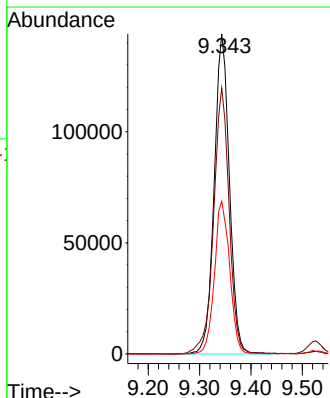
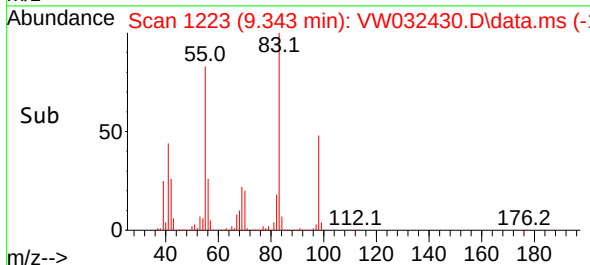
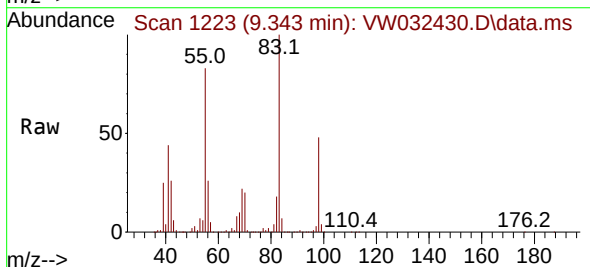
Manual Integrations
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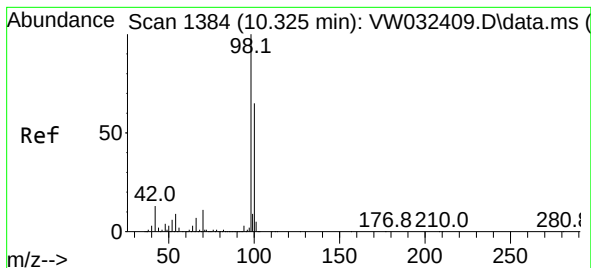
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#39
Methylcyclohexane
Concen: 50.832 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

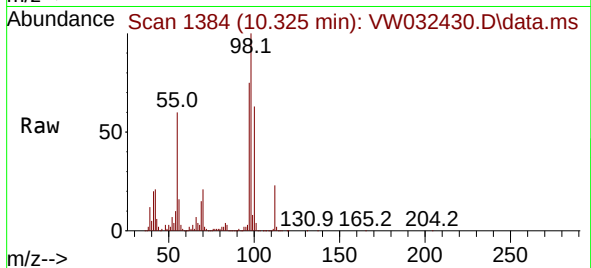
Tgt Ion: 83 Resp: 296419
Ion Ratio Lower Upper
83 100
55 83.1 59.2 88.8
98 47.8 36.6 54.8





#50
Toluene-d8
Concen: 56.213 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

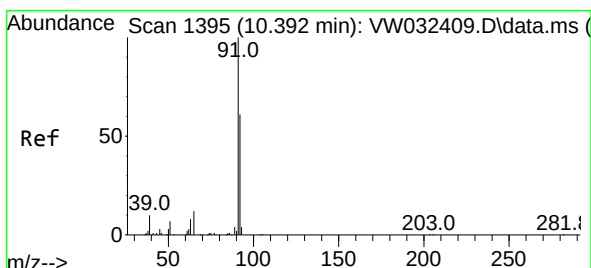
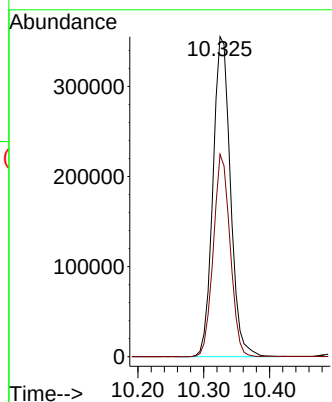
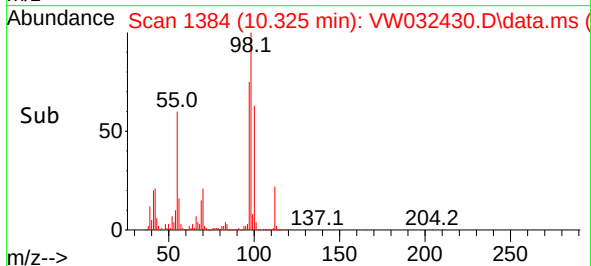
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP



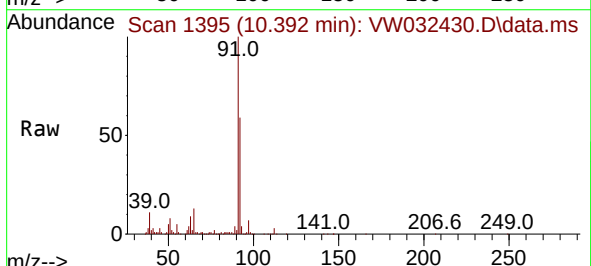
Tgt Ion: 98 Resp: 65883
Ion Ratio Lower Upper
98 100
100 60.5 53.3 79.9

Manual Integrations
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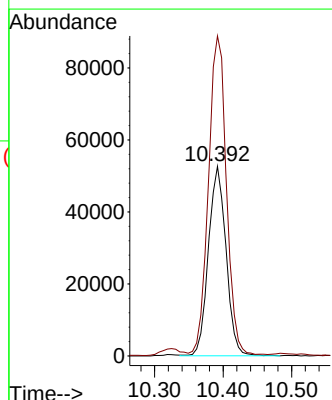
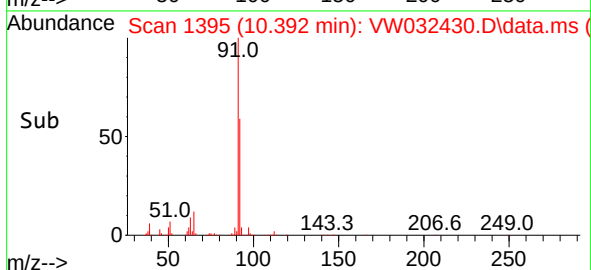
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

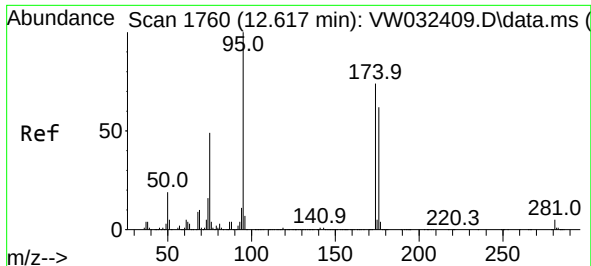


#52
Toluene
Concen: 10.512 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59



Tgt Ion: 92 Resp: 94123
Ion Ratio Lower Upper
92 100
91 171.6 136.6 205.0





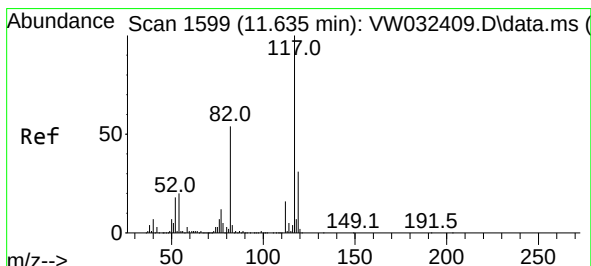
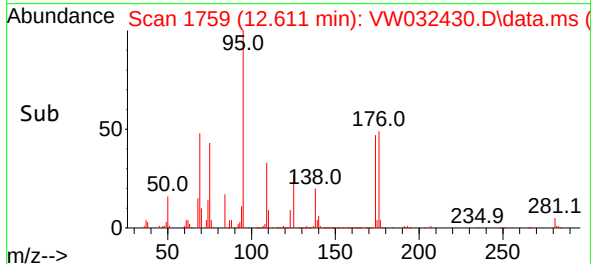
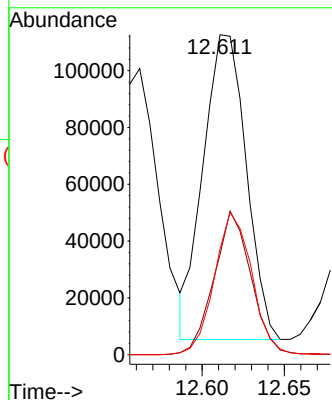
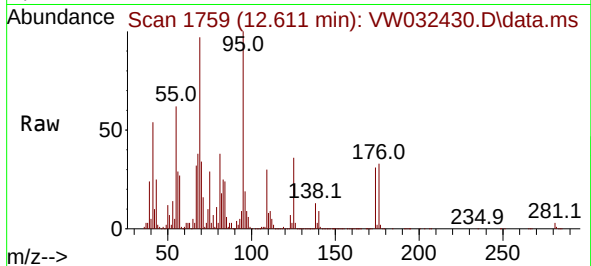
#62
4-Bromofluorobenzene
Concen: 44.048 ug/l
RT: 12.611 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

Instrument : MSVOA_W
ClientSampleId : MOO-25-0314-0316-COMP

Tgt Ion: 95 Resp: 195024
Ion Ratio Lower Upper
95 100
174 40.6 0.0 135.4
176 41.0 0.0 131.8

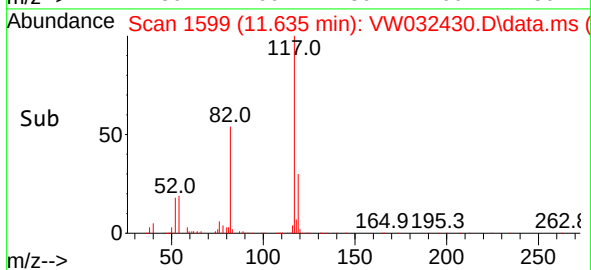
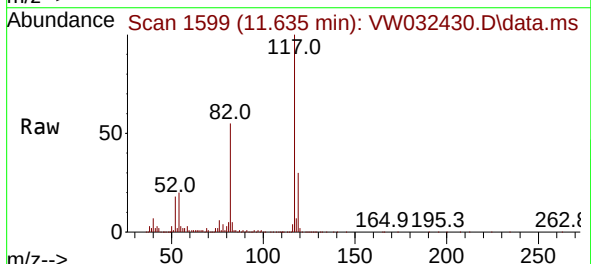
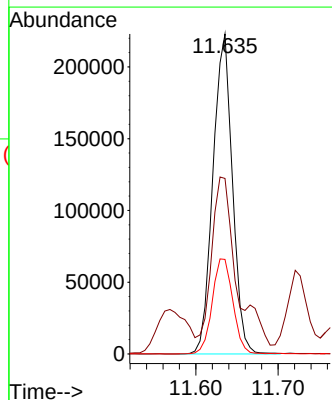
Manual Integrations
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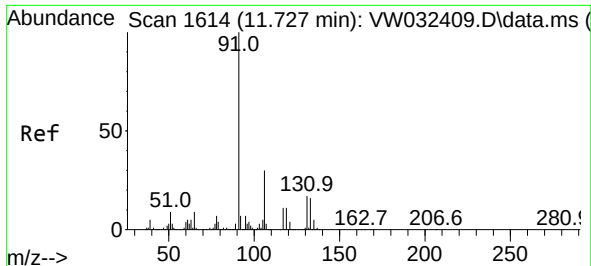
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

Tgt Ion:117 Resp: 367370
Ion Ratio Lower Upper
117 100
82 49.2 43.0 64.4
119 29.5 25.0 37.6





#67

Ethyl Benzene

Concen: 51.707 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032430.D

Acq: 11 Nov 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MOO-25-0314-0316-COMP

Tgt Ion: 91 Resp: 708418

Ion Ratio Lower Upper

91 100

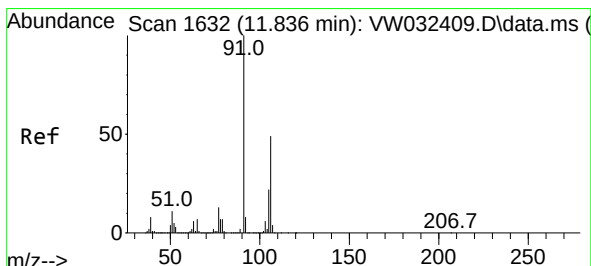
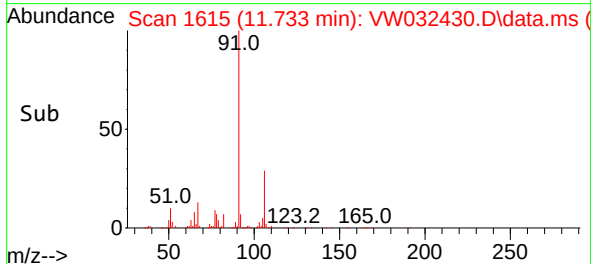
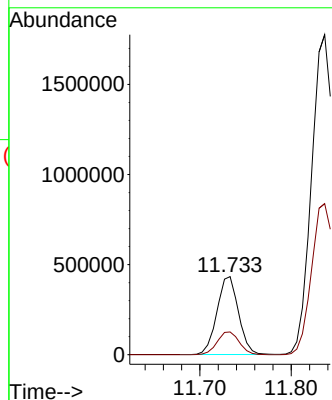
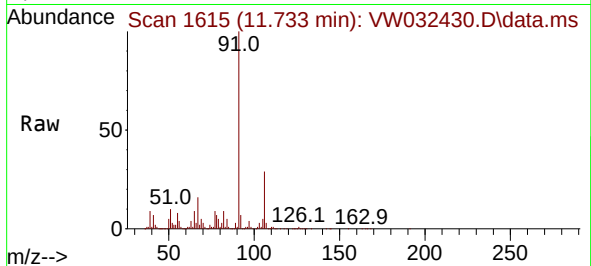
106 29.0 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#68

m/p-Xylenes

Concen: 297.829 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032430.D

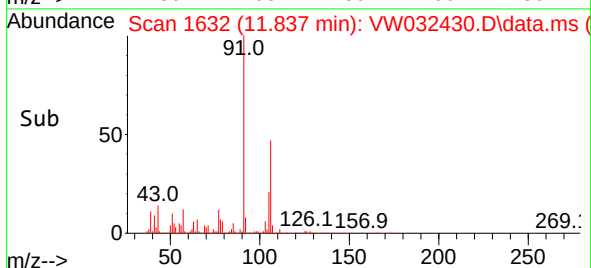
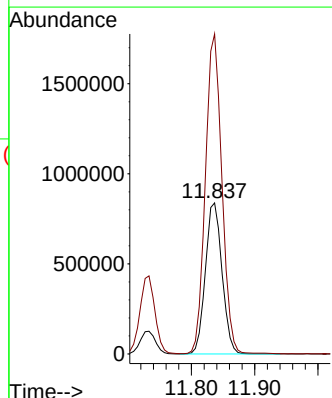
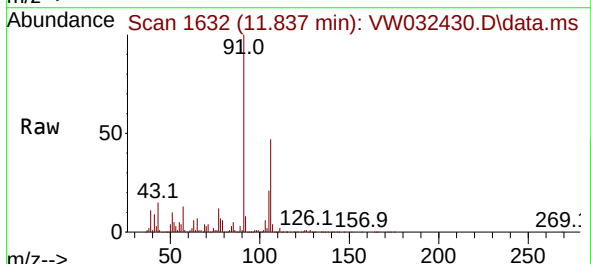
Acq: 11 Nov 2025 14:59

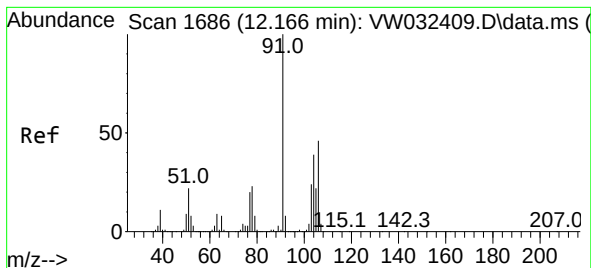
Tgt Ion:106 Resp: 1532050

Ion Ratio Lower Upper

106 100

91 210.2 165.5 248.3





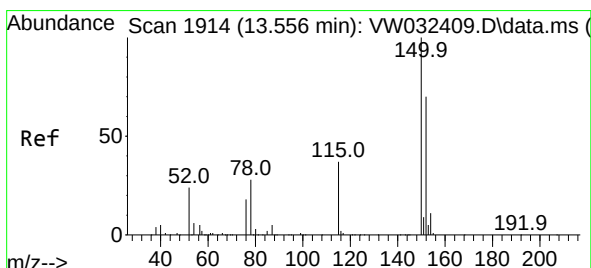
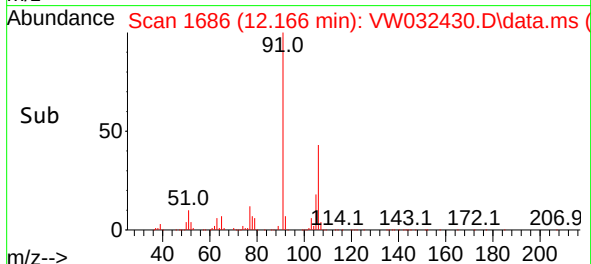
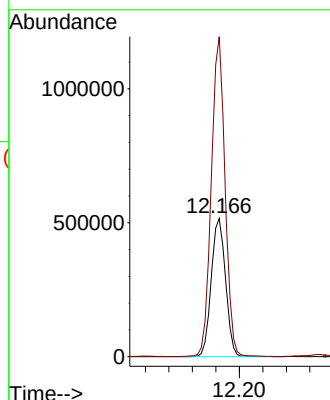
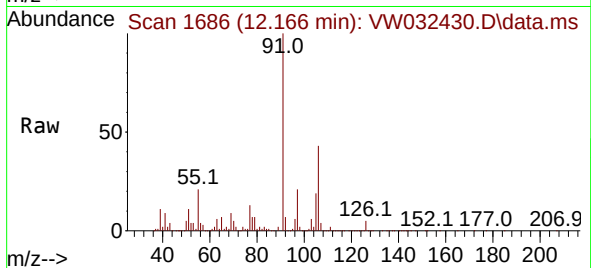
#69
o-Xylene
Concen: 176.534 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP

Tgt Ion:106 Resp: 869502
Ion Ratio Lower Upper
106 100
91 223.3 109.3 327.8

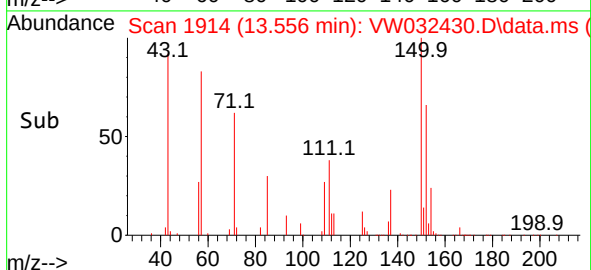
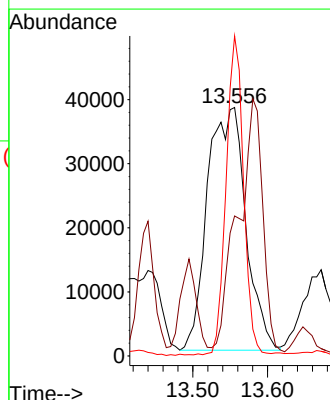
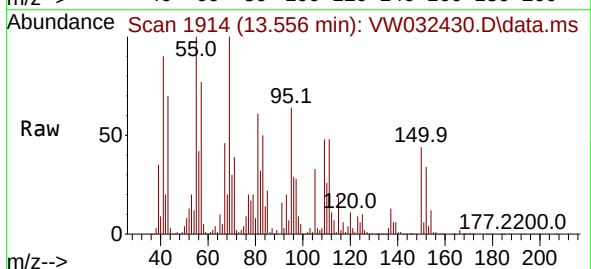
Manual Integrations
APPROVED

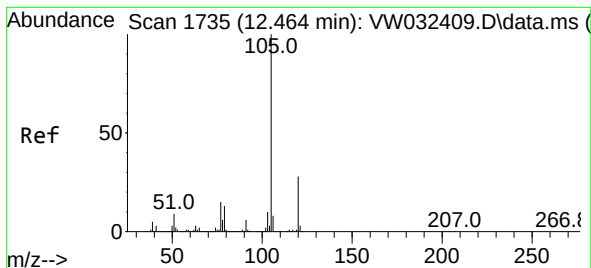
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

Tgt Ion:152 Resp: 134909
Ion Ratio Lower Upper
152 100
115 0.0 32.8 98.3#
150 59.7 0.0 356.6





#73

Isopropylbenzene

Concen: 48.527 ug/l

RT: 12.465 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VW032430.D

Acq: 11 Nov 2025 14:59

Instrument :

MSVOA_W

ClientSampleId :

MOO-25-0314-0316-COMP

Tgt Ion:105 Resp: 480810

Ion Ratio Lower Upper

105 100

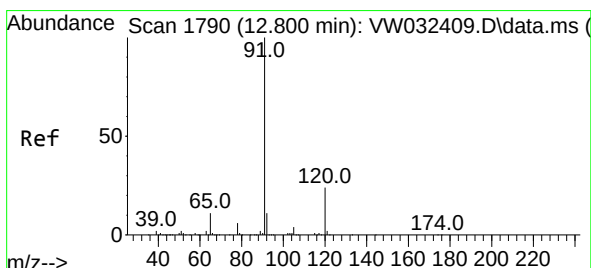
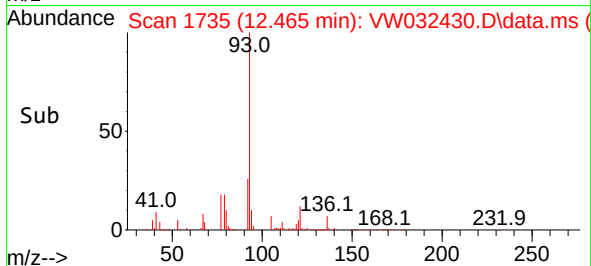
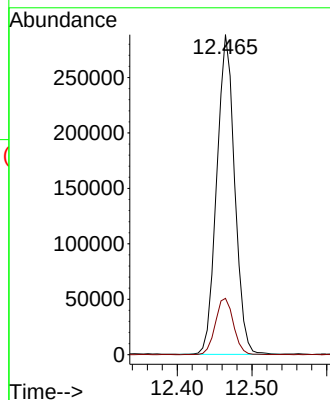
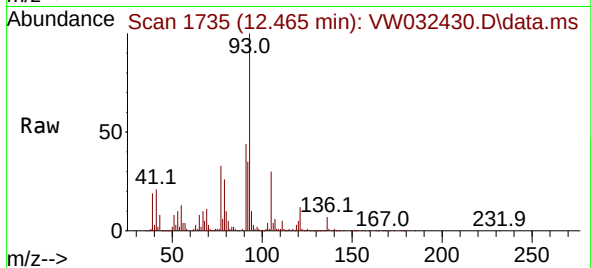
120 17.8 13.2 39.5

Manual Integrations

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Reviewed By :Amit Patel 11/12/2025

Supervised By :Mahesh Dadoda 11/12/2025



#78

n-propylbenzene

Concen: 71.632 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW032430.D

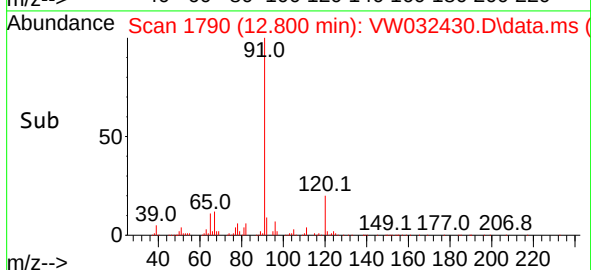
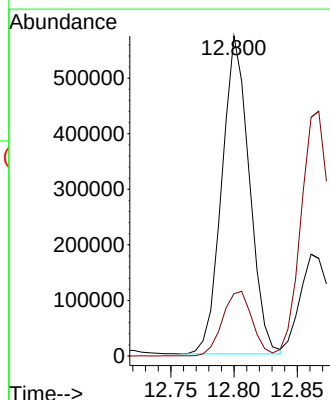
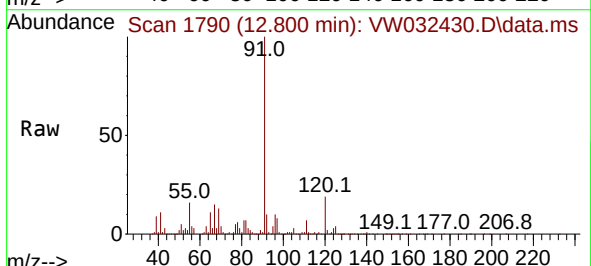
Acq: 11 Nov 2025 14:59

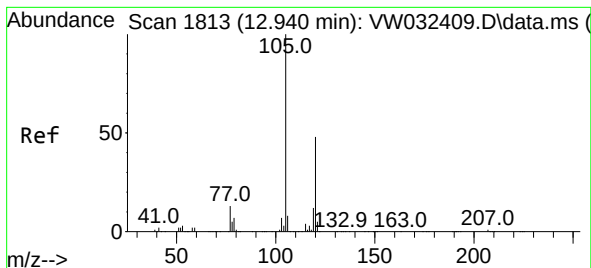
Tgt Ion: 91 Resp: 864329

Ion Ratio Lower Upper

91 100

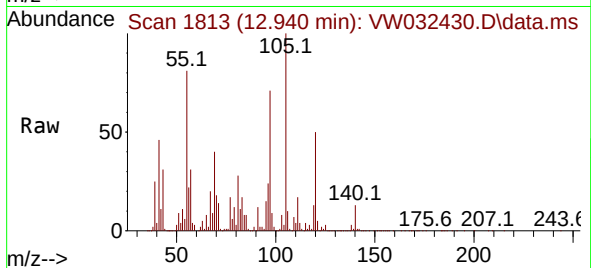
120 21.9 11.3 33.9





#80
1,3,5-Trimethylbenzene
Concen: 120.444 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

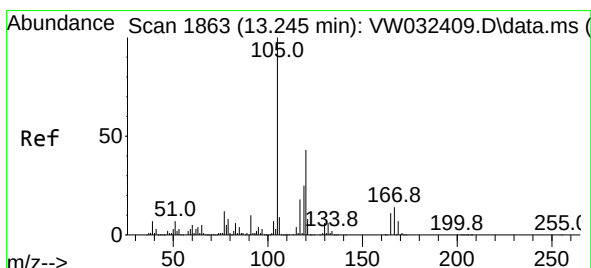
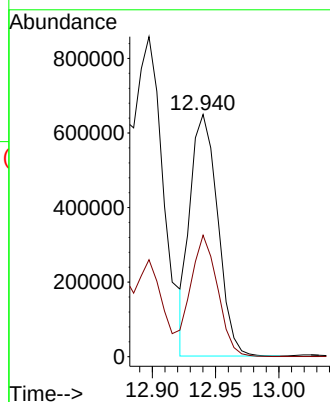
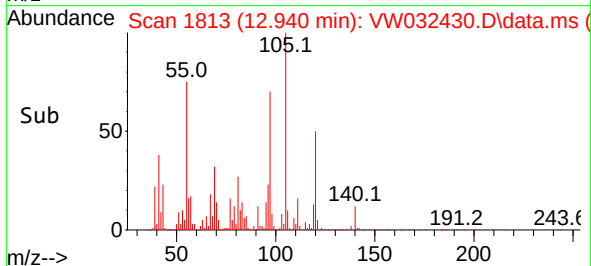
Instrument :
MSVOA_W
ClientSampleId :
MOO-25-0314-0316-COMP



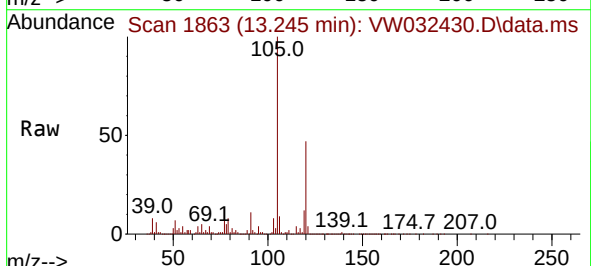
Tgt Ion:105 Resp: 984542
Ion Ratio Lower Upper
105 100
120 50.4 24.2 72.6

Manual Integrations
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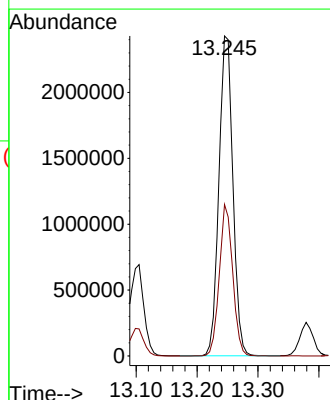
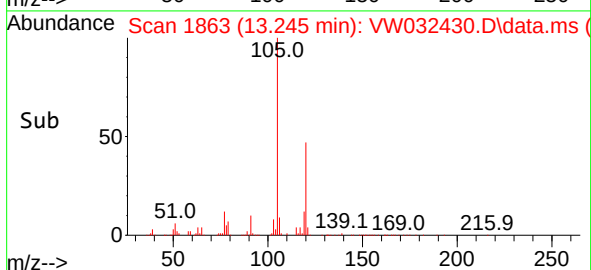
Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

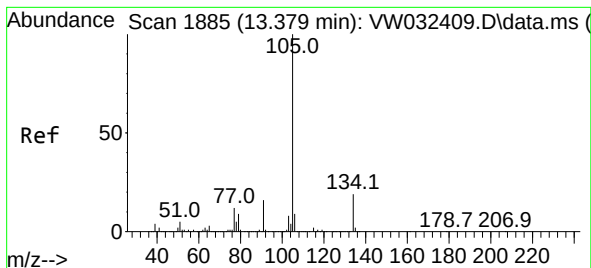


#84
1,2,4-Trimethylbenzene
Concen: 464.305 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59



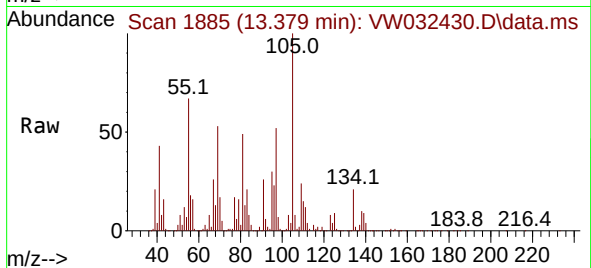
Tgt Ion:105 Resp: 3860286
Ion Ratio Lower Upper
105 100
120 45.3 22.1 66.5





#85
 sec-Butylbenzene
 Concen: 36.379 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032430.D
 Acq: 11 Nov 2025 14:59

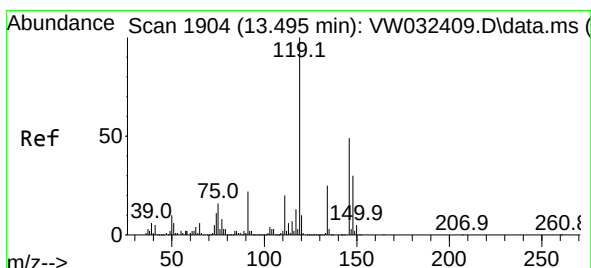
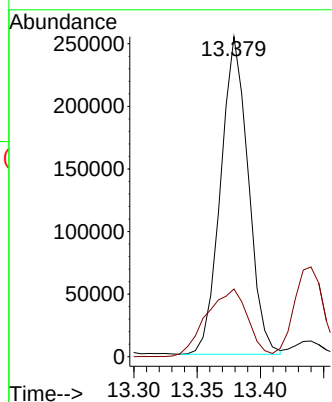
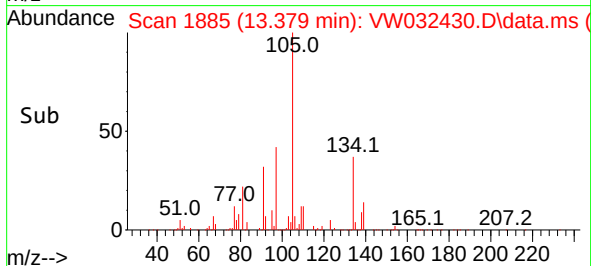
Instrument :
 MSVOA_W
 ClientSampleId :
 MOO-25-0314-0316-COMP



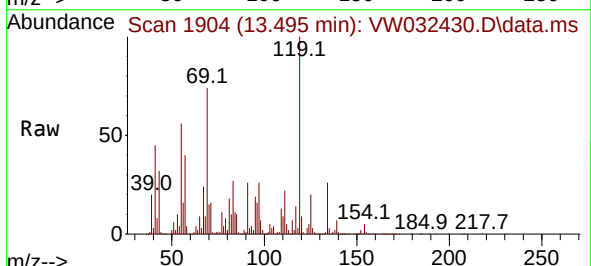
Tgt Ion:105 Resp: 38526
 Ion Ratio Lower Upper
 105 100
 134 32.0 9.8 29.3

Manual Integrations
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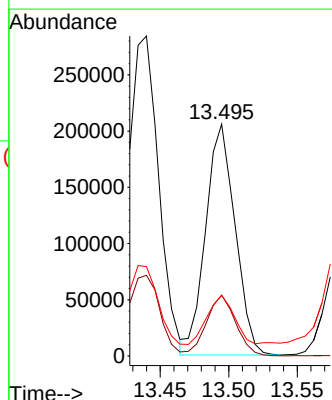
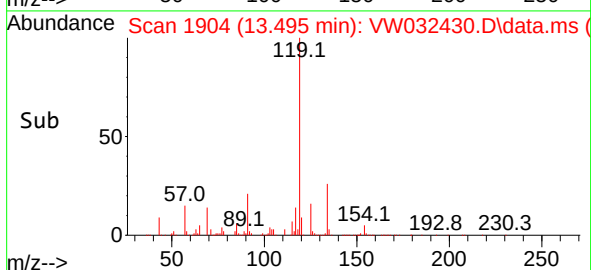
Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

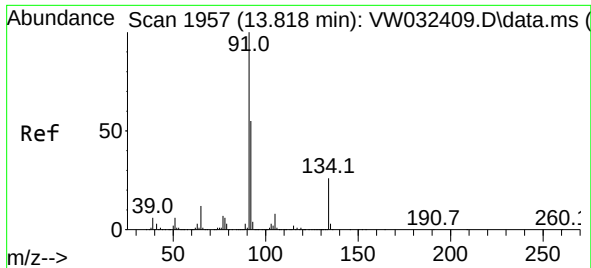


#86
 p-Isopropyltoluene
 Concen: 35.202 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032430.D
 Acq: 11 Nov 2025 14:59



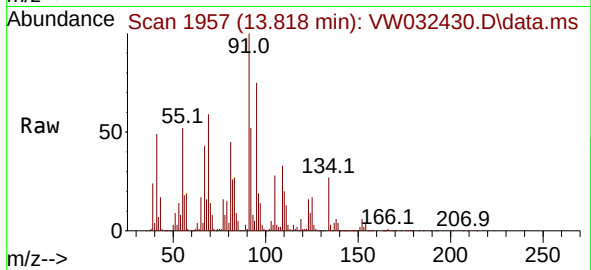
Tgt Ion:119 Resp: 307802
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.7 38.1
 91 19.4 11.9 35.5





#89
n-Butylbenzene
Concen: 35.298 ug/l m
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032430.D
Acq: 11 Nov 2025 14:59

Instrument : MSVOA_W
ClientSampleId : MOO-25-0314-0316-COMP



Tgt Ion: 91 Resp: 301529

Ion	Ratio	Lower	Upper
91	100		
92	57.4	27.4	82.2
134	0.0	12.4	37.4

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

