

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
 Data File : VD077934.D
 Acq On : 16 Dec 2023 15:23
 Operator : RP/MD
 Sample : 05862-10
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-SOLIDS-20231213-01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 01:59:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	9631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	17208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	17660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	6749	59.469	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.940%			
35) Dibromofluoromethane	7.811	113	6289	52.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.263	98	22169	45.921	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.840%			
62) 4-Bromofluorobenzene	12.569	95	7157	49.586	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.180%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.681	91	16369	22.264	ug/l	92
68) m/p-Xylenes	11.787	106	5765	20.499	ug/l	93
69) o-Xylene	12.122	106	4090	15.780	ug/l	96
73) Isopropylbenzene	12.422	105	3470	5.169	ug/l	93
80) 1,3,5-Trimethylbenzene	12.898	105	6792	12.130	ug/l	84
84) 1,2,4-Trimethylbenzene	13.210	105	25642	45.786	ug/l	98
86) p-Isopropyltoluene	13.451	119	1969m	3.147	ug/l	

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

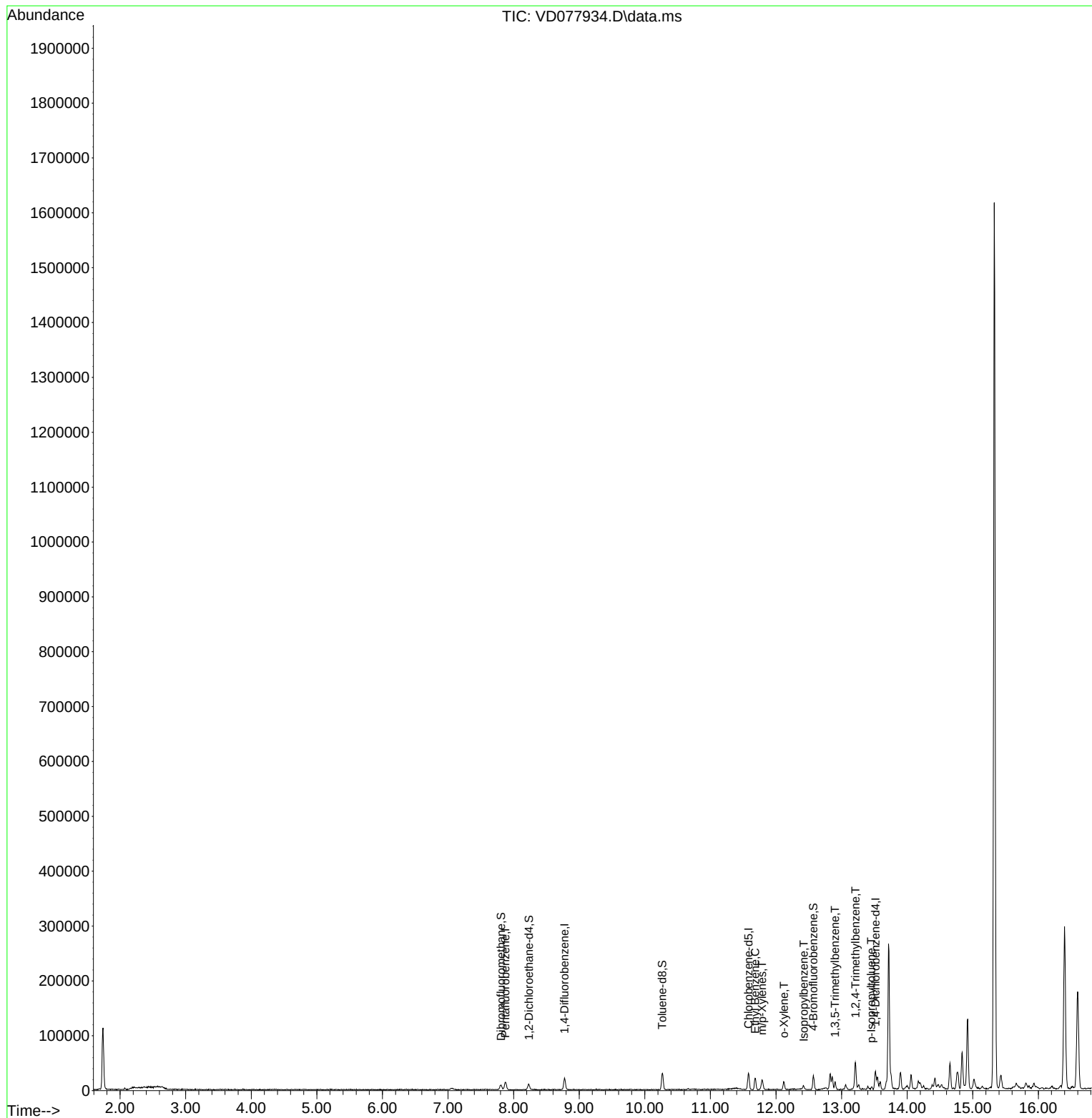
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121623\
Data File : VD077934.D
Acq On : 16 Dec 2023 15:23
Operator : RP/MD
Sample : 05862-10
Misc : 5.02G/5.0ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

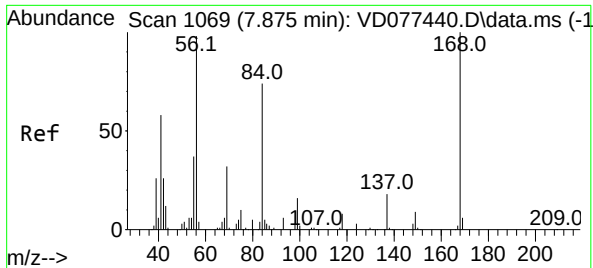
Instrument :
MSVOA_D
ClientSampleId :
WC-SOLIDS-20231213-01

Quant Time: Dec 18 01:59:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration

Manual Integrations
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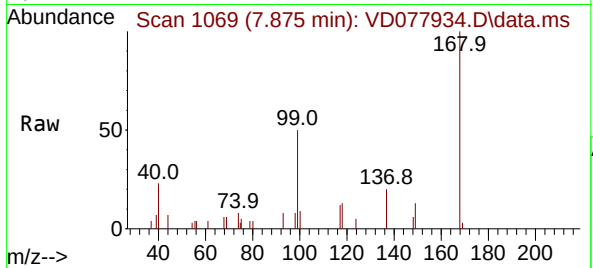
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

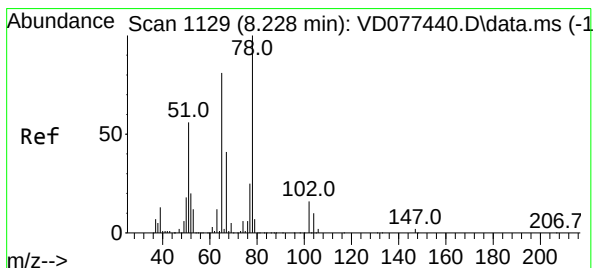
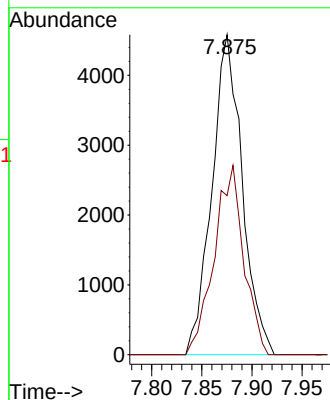
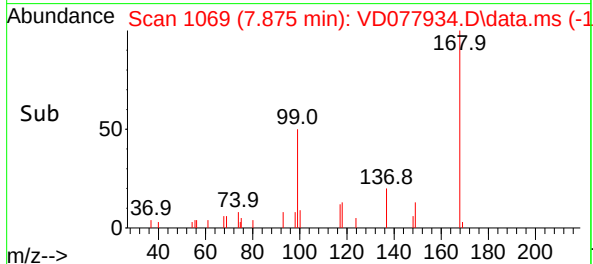
Instrument :
MSVOA_D
ClientSampleId :
WC-SOLIDS-20231213-01



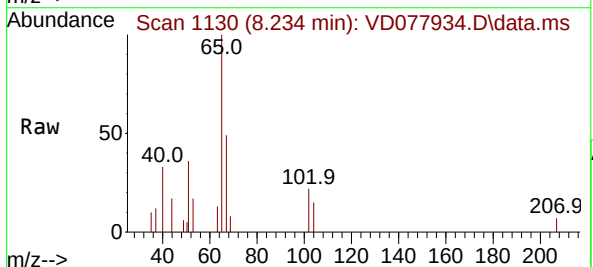
Tgt Ion:168 Resp: 963
Ion Ratio Lower Upper
168 100
99 49.7 36.7 55.1

Manual Integrations
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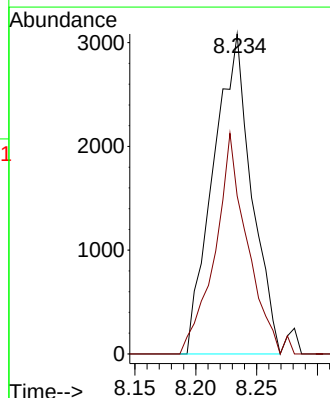
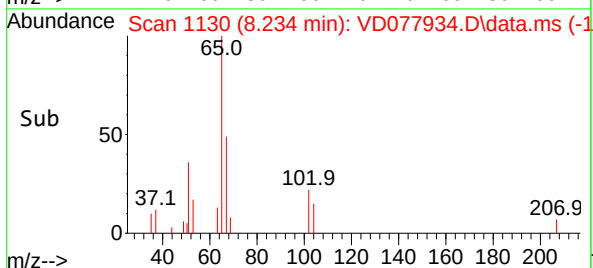
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

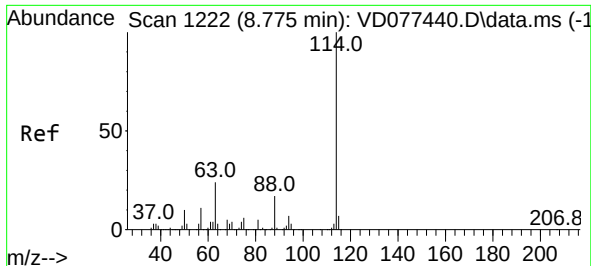


#33
1,2-Dichloroethane-d4
Concen: 59.469 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23



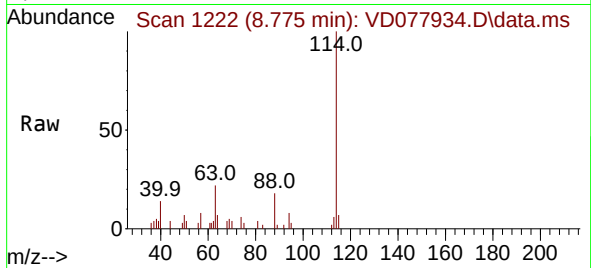
Tgt Ion: 65 Resp: 6749
Ion Ratio Lower Upper
65 100
67 58.4 0.0 115.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

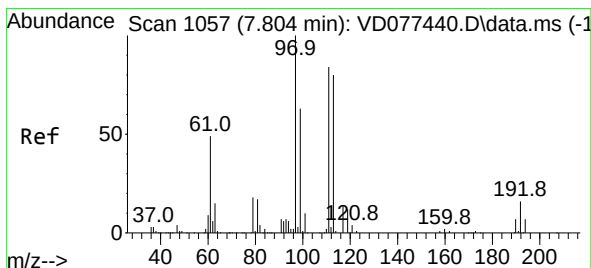
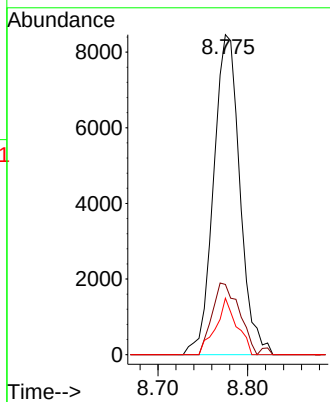
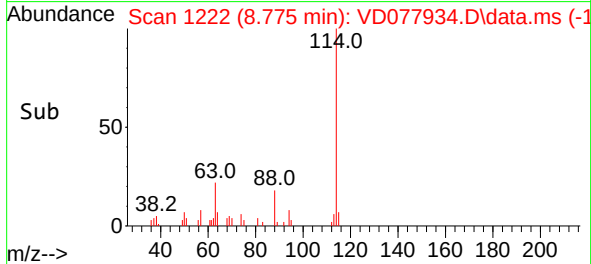
Instrument : MSVOA_D
ClientSampleId : WC-SOLIDS-20231213-01



Tgt Ion:114 Resp: 17208
Ion Ratio Lower Upper
114 100
63 22.0 0.0 33.4
88 17.7 0.0 26.2

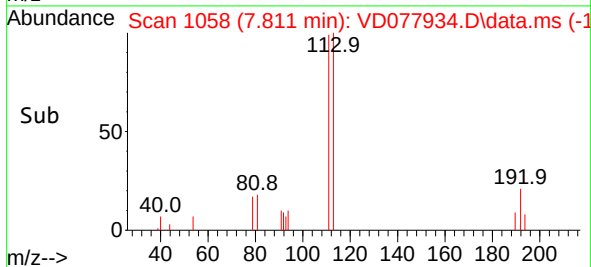
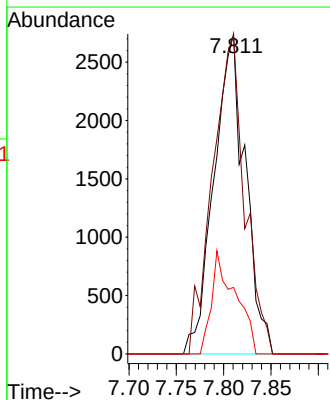
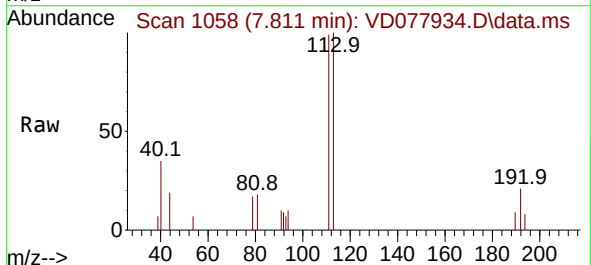
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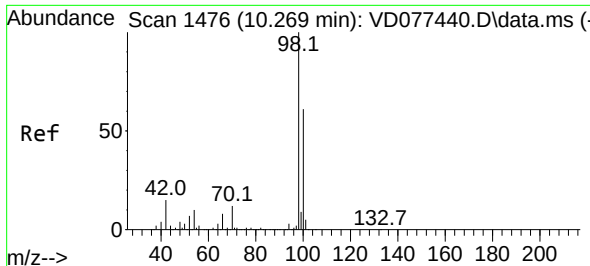
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#35
Dibromofluoromethane
Concen: 52.175 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Tgt Ion:113 Resp: 6289
Ion Ratio Lower Upper
113 100
111 102.2 84.7 127.1
192 24.5 16.8 25.2





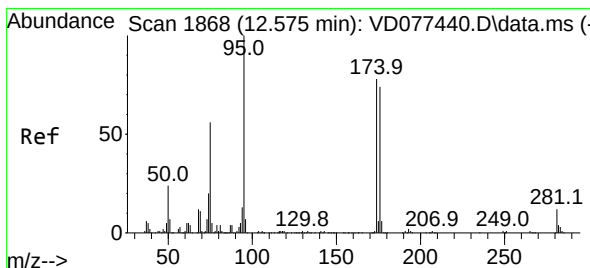
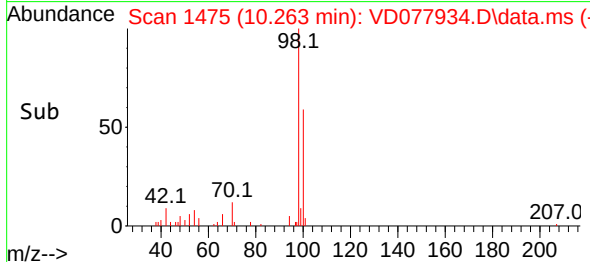
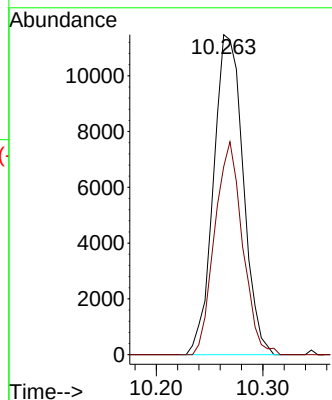
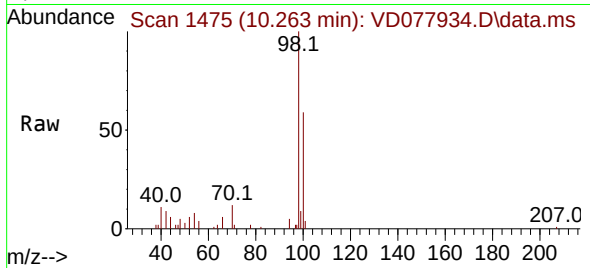
#50
Toluene-d8
Concen: 45.921 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Instrument :
MSVOA_D
ClientSampleId :
WC-SOLIDS-20231213-01

Tgt Ion: 98 Resp: 22169
Ion Ratio Lower Upper
98 100
100 62.4 50.3 75.5

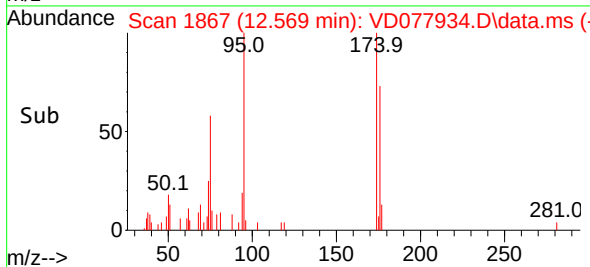
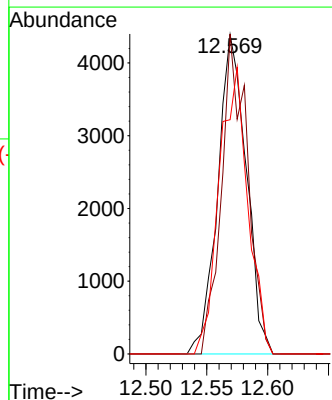
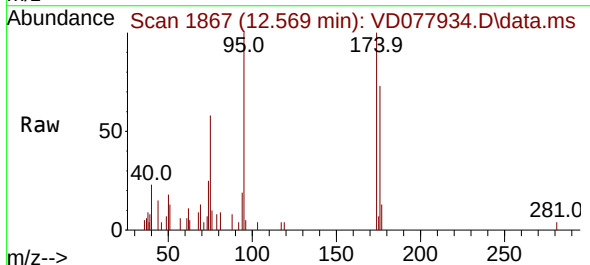
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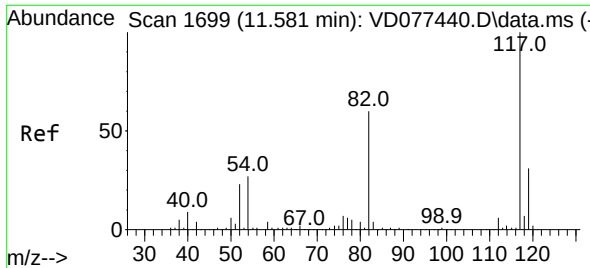
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#62
4-Bromofluorobenzene
Concen: 49.586 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

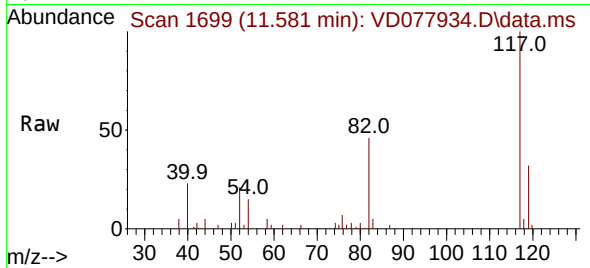
Tgt Ion: 95 Resp: 7157
Ion Ratio Lower Upper
95 100
174 91.1 0.0 201.8
176 90.5 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

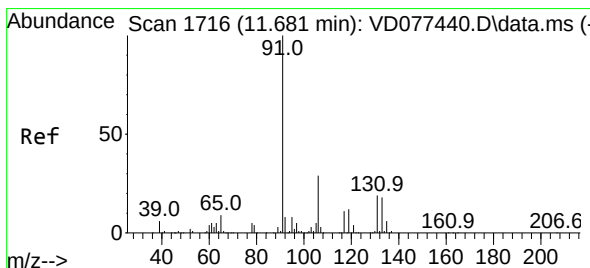
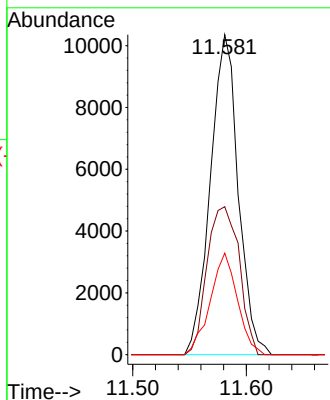
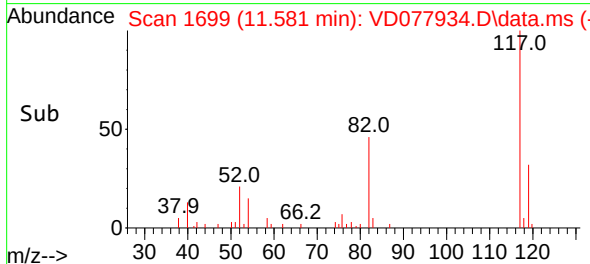
Instrument : MSVOA_D
ClientSampleId : WC-SOLIDS-20231213-01



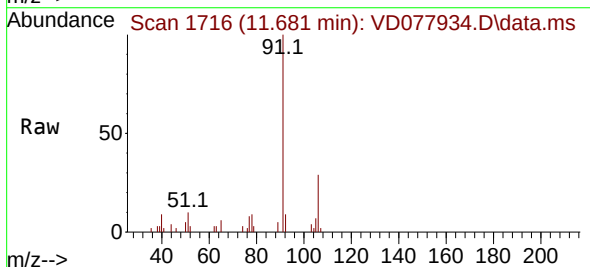
Tgt Ion:117 Resp: 17660
Ion Ratio Lower Upper
117 100
82 46.3 38.3 57.5
119 31.8 25.0 37.4

Manual Integrations
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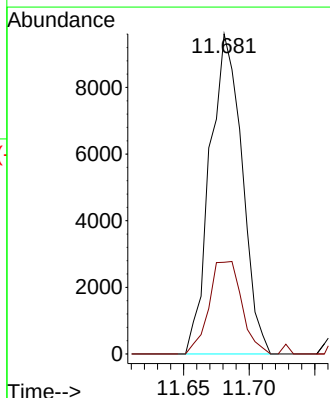
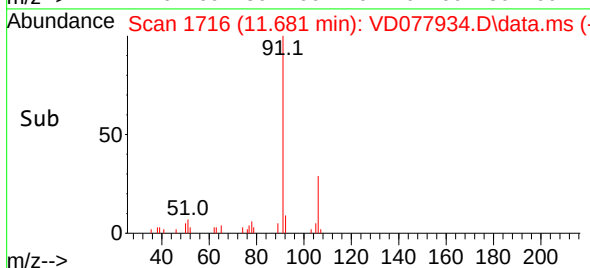
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

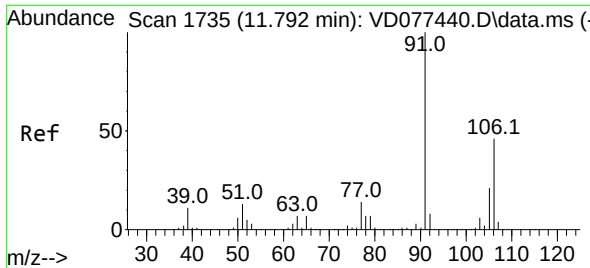


#67
Ethyl Benzene
Concen: 22.264 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23



Tgt Ion: 91 Resp: 16369
Ion Ratio Lower Upper
91 100
106 28.6 26.5 39.7





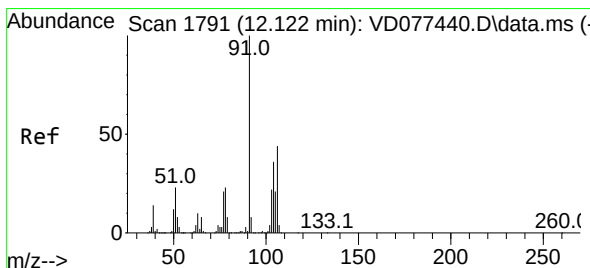
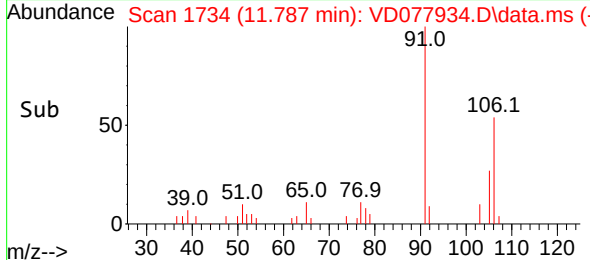
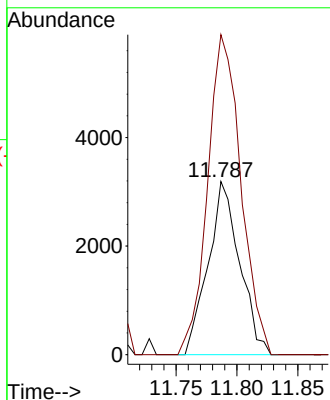
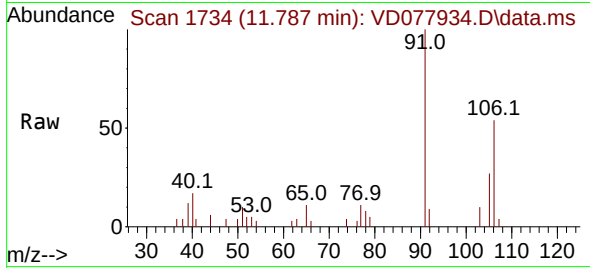
#68
m/p-Xylenes
Concen: 20.499 ug/l
RT: 11.787 min Scan# 1735
Delta R.T. -0.005 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

Instrument :
MSVOA_D
ClientSampleId :
WC-SOLIDS-20231213-01

Tgt Ion:106 Resp: 576
Ion Ratio Lower Upper
106 100
91 194.5 147.0 220.6

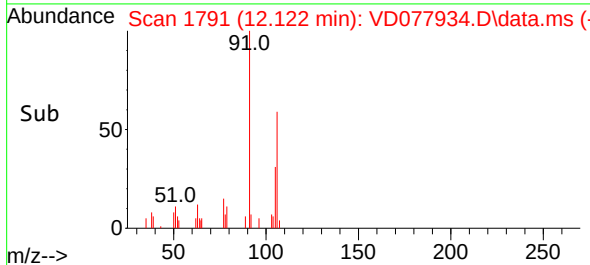
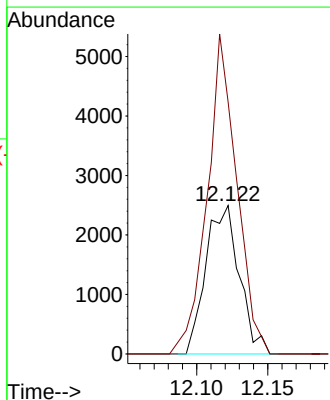
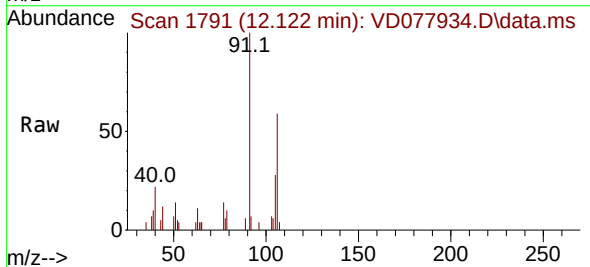
Manual Integrations
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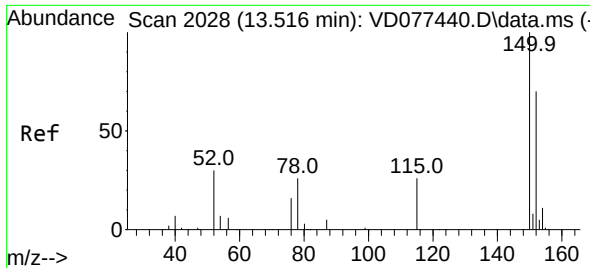
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023



#69
o-Xylene
Concen: 15.780 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

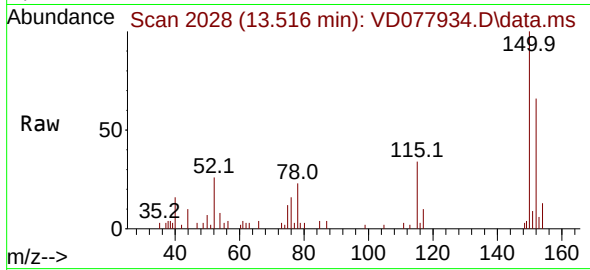
Tgt Ion:106 Resp: 4090
Ion Ratio Lower Upper
106 100
91 189.9 97.9 293.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23

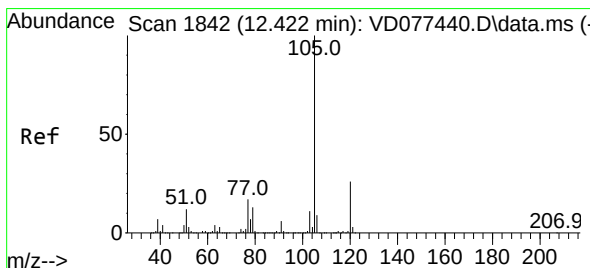
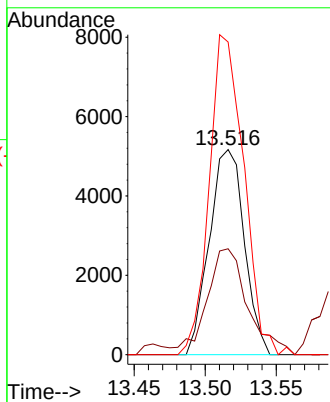
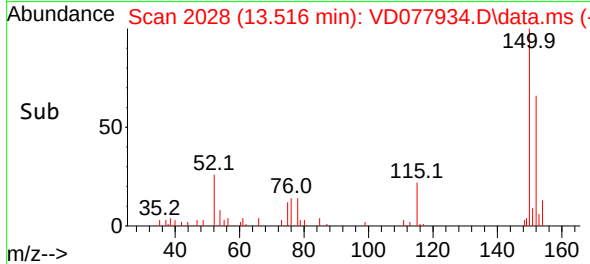
Instrument :
MSVOA_D
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WC-SOLIDS-20231213-01



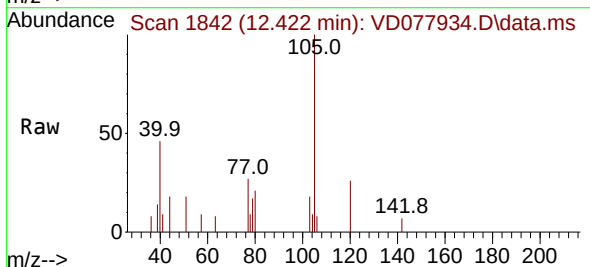
Tgt Ion:152 Resp: 885
Ion Ratio Lower Upper
152 100
115 60.4 27.1 81.3
150 154.2 0.0 353.6

Manual Integrations
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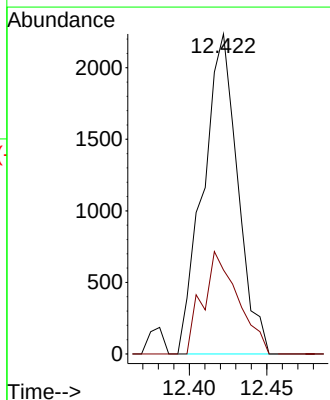
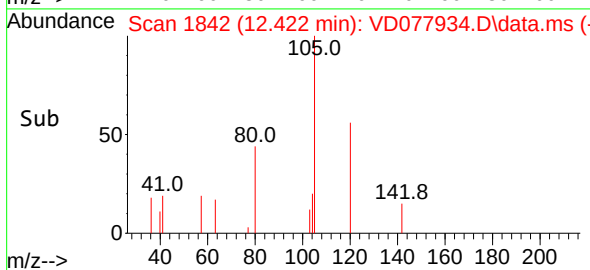
Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

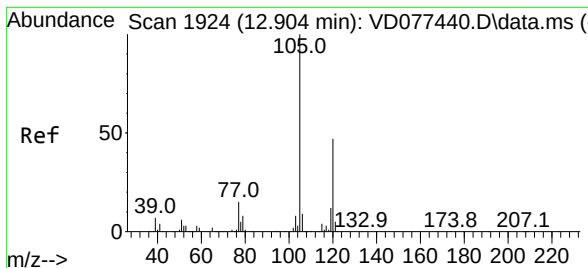


#73
Isopropylbenzene
Concen: 5.169 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077934.D
Acq: 16 Dec 2023 15:23



Tgt Ion:105 Resp: 3470
Ion Ratio Lower Upper
105 100
120 32.5 14.3 42.9





#80

1,3,5-Trimethylbenzene

Concen: 12.130 ug/l

RT: 12.898 min Scan# 1924

Delta R.T. -0.006 min

Lab File: VD077934.D

Acq: 16 Dec 2023 15:23

Instrument :

MSVOA_D

ClientSampleId :

WC-SOLIDS-20231213-01

Tgt Ion:105 Resp: 6792

Ion Ratio Lower Upper

105 100

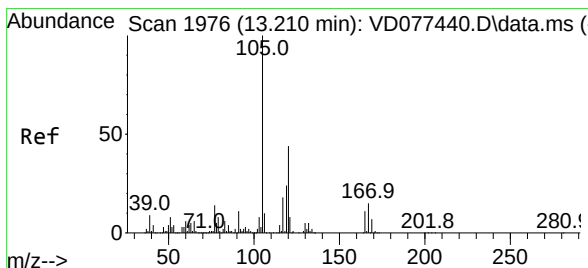
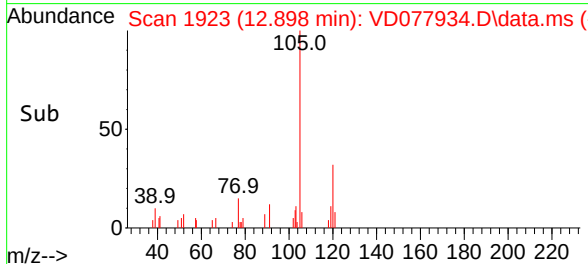
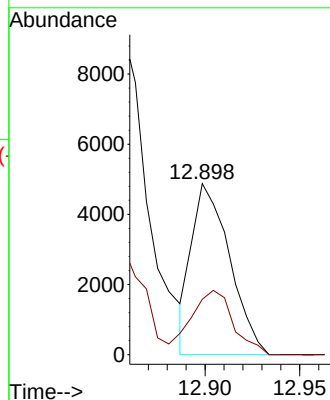
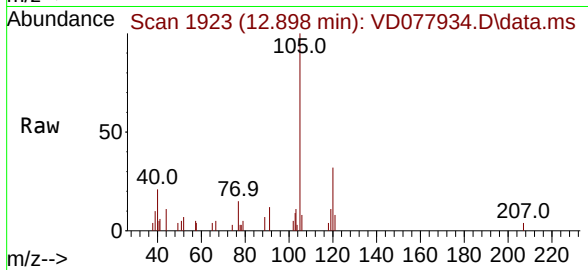
120 41.6 26.4 79.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#84

1,2,4-Trimethylbenzene

Concen: 45.786 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD077934.D

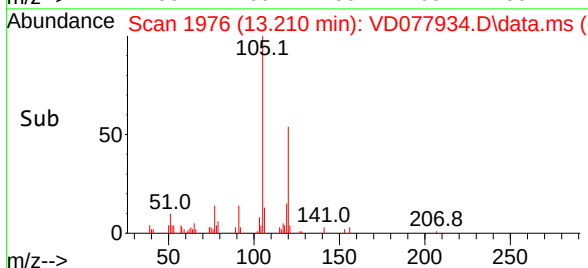
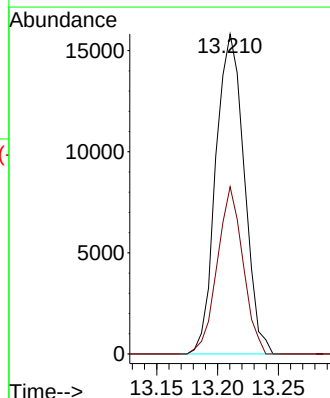
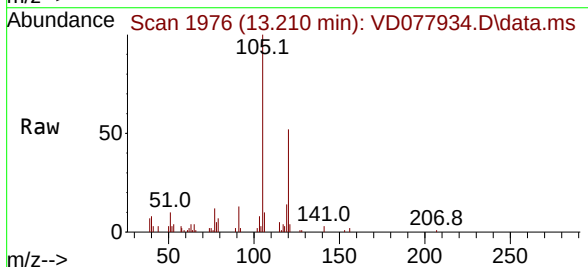
Acq: 16 Dec 2023 15:23

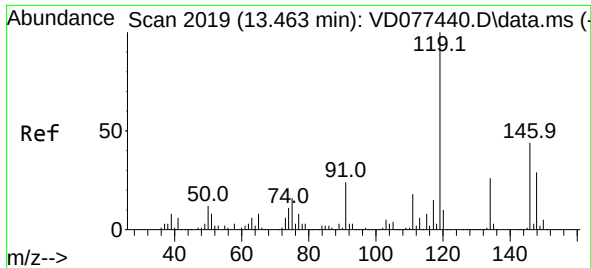
Tgt Ion:105 Resp: 25642

Ion Ratio Lower Upper

105 100

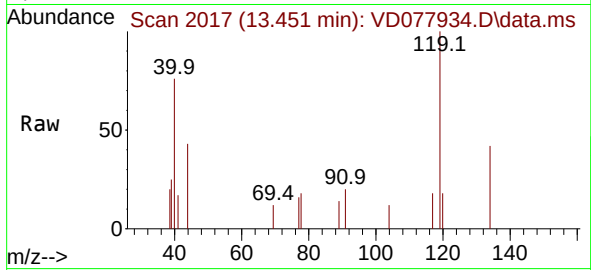
120 47.5 24.3 72.9





#86
 p-Isopropyltoluene
 Concen: 3.147 ug/l m
 RT: 13.451 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VD077934.D
 Acq: 16 Dec 2023 15:23

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-SOLIDS-20231213-01



Tgt Ion:119	Resp:	1969
Ion Ratio	Lower	Upper
119	100	
134	46.5	14.2 42.6
91	39.7	10.5 31.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

