

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
 Data File : VD080314.D
 Acq On : 13 May 2025 21:08
 Operator : RP/MD
 Sample : Q1980-06RE
 Misc : 4.08G/10ml/MSVOA_D/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 3836RE

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/14/2025

Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 07 08:57:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	49250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	132244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	90778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	16764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	57898	90.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.820%#			
35) Dibromofluoromethane	7.806	113	61433	69.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.620%			
50) Toluene-d8	10.270	98	140034	40.098	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 80.200%			
62) 4-Bromofluorobenzene	12.570	95	30646	27.340	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 54.680%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.065	59	7638m	197.636	ug/l	
16) Acetone	4.018	43	2809m	9.814	ug/l	
52) Toluene	10.329	92	2600	1.040	ug/l	99
68) m/p-Xylenes	11.794	106	2831	2.129	ug/l	93
69) o-Xylene	12.123	106	1570	1.292	ug/l	92
78) n-propylbenzene	12.758	91	6427	4.710	ug/l	96
80) 1,3,5-Trimethylbenzene	12.899	105	7962	8.584	ug/l	96
84) 1,2,4-Trimethylbenzene	13.205	105	23842	25.124	ug/l	95
85) sec-Butylbenzene	13.346	105	4880	4.089	ug/l	90
86) p-Isopropyltoluene	13.452	119	3587m	3.576	ug/l	
89) n-Butylbenzene	13.782	91	7157m	7.350	ug/l	
95) Naphthalene	15.323	128	4276	7.086	ug/l #	90

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

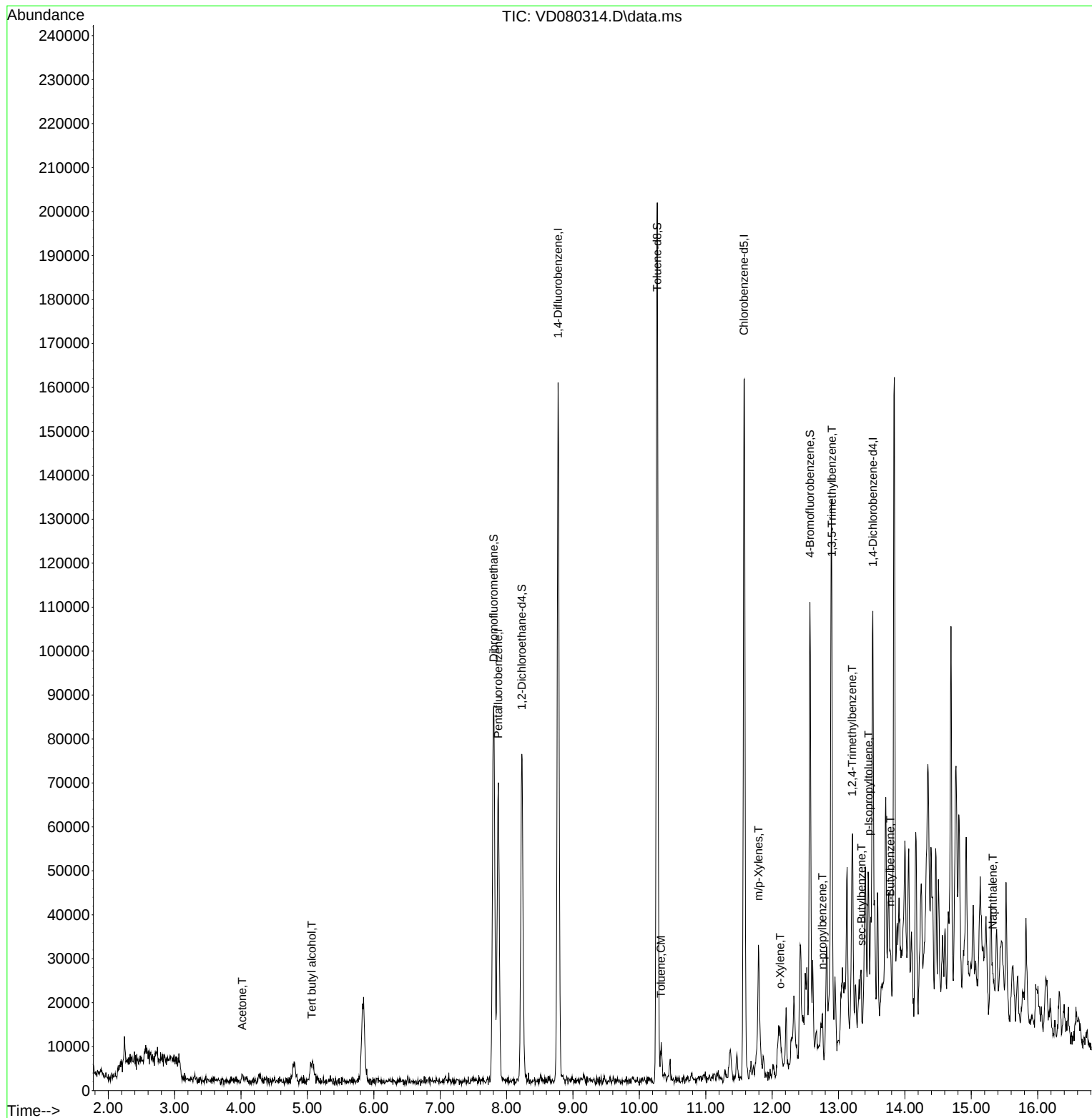
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051325\
Data File : VD080314.D
Acq On : 13 May 2025 21:08
Operator : RP/MD
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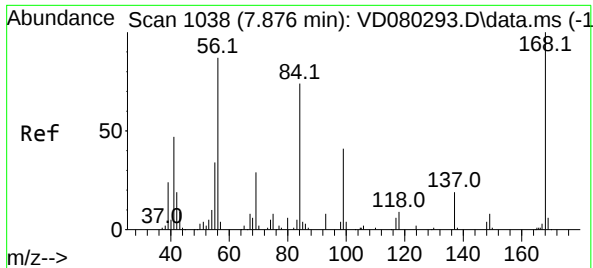
Instrument :
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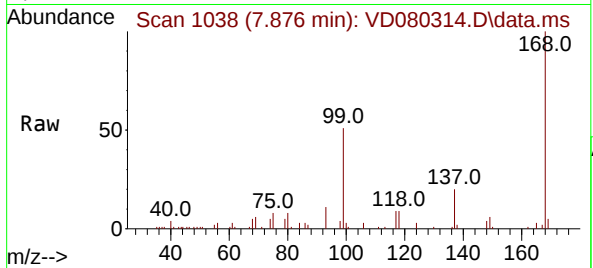
Quant Time: May 14 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

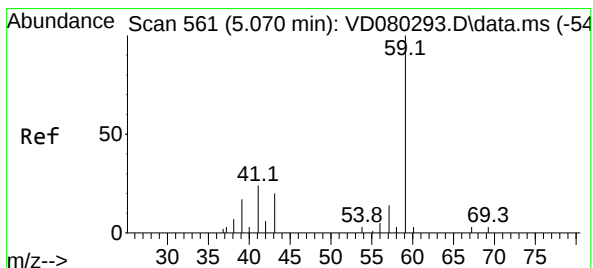
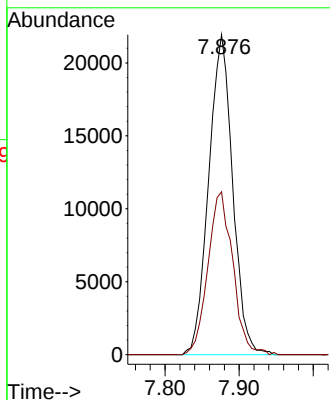
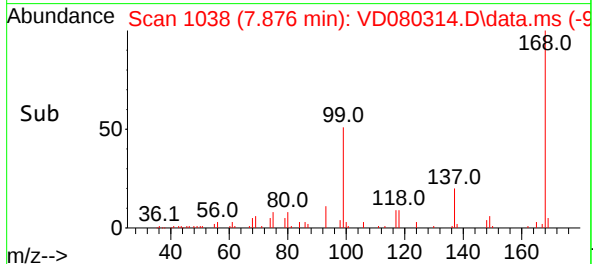
Instrument :
MSVOA_D
ClientSampleId :
3836RE



Tgt Ion:168 Resp: 49250
Ion Ratio Lower Upper
168 100
99 50.9 46.0 69.0

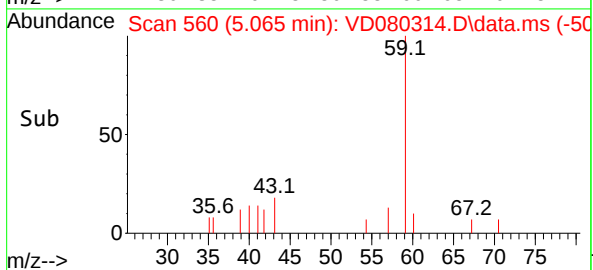
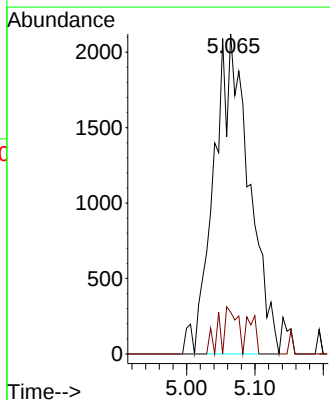
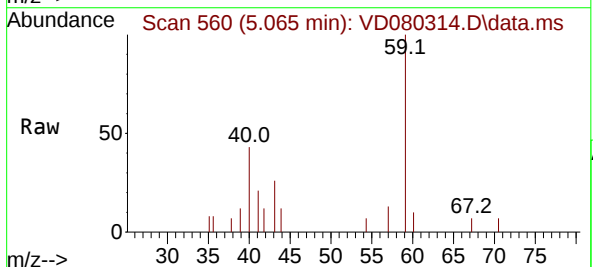
Manual Integrations
APPROVED

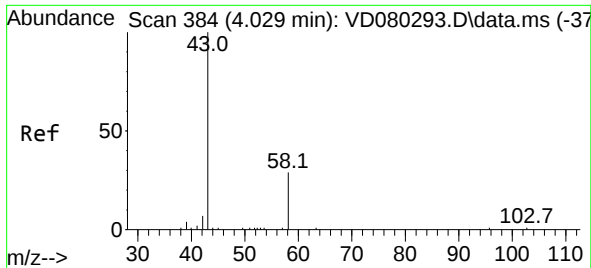
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025



#11
Tert butyl alcohol
Concen: 197.636 ug/l m
RT: 5.065 min Scan# 560
Delta R.T. 0.007 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

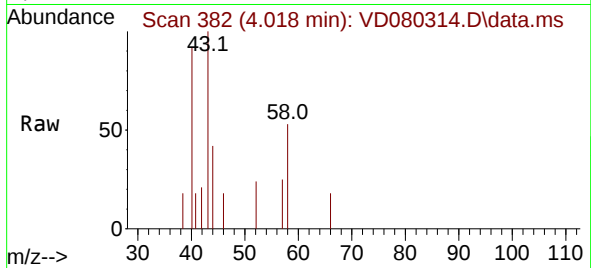
Tgt Ion: 59 Resp: 7638
Ion Ratio Lower Upper
59 100
57 7.0 4.8 7.2





#16
Acetone
Concen: 9.814 ug/l m
RT: 4.018 min Scan# 382
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

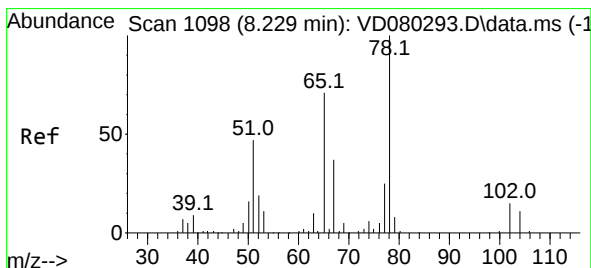
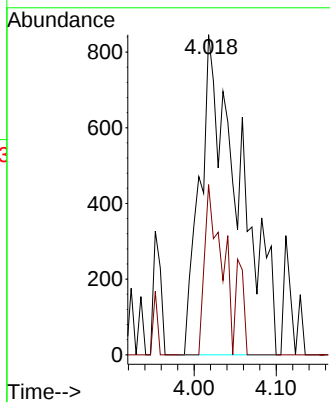
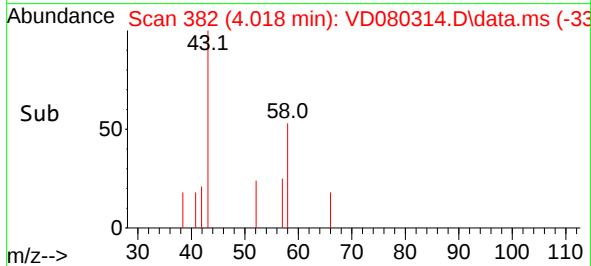
Instrument :
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ClientSampleId :
3836RE



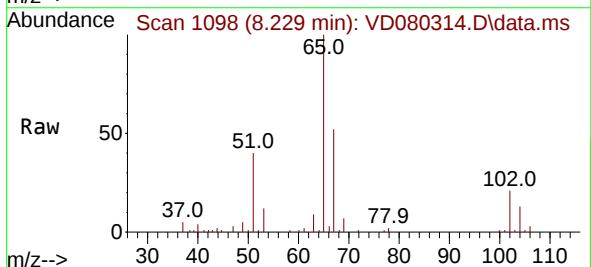
Tgt Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 53.2 25.4 38.2

Manual Integrations
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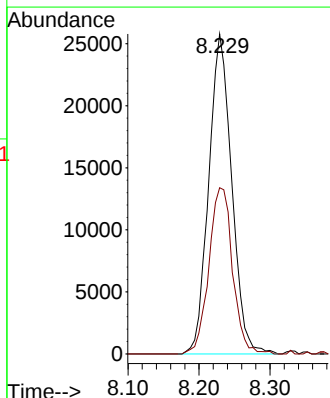
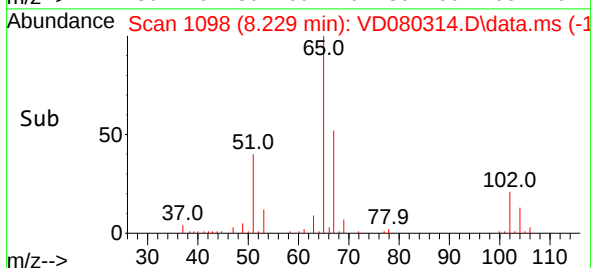
Reviewed By :Mahesh Dadoda 05/14/2025
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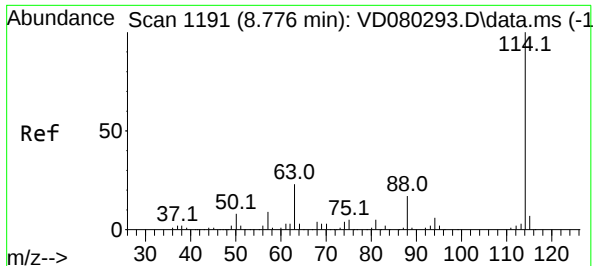


#33
1,2-Dichloroethane-d4
Concen: 90.908 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08



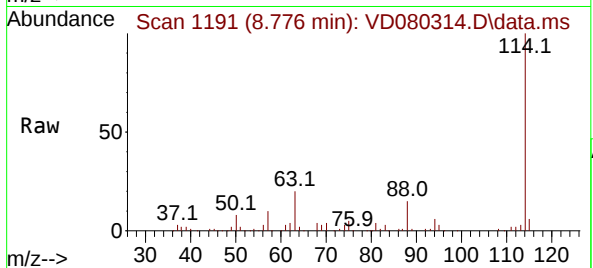
Tgt Ion: 65 Resp: 57898
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

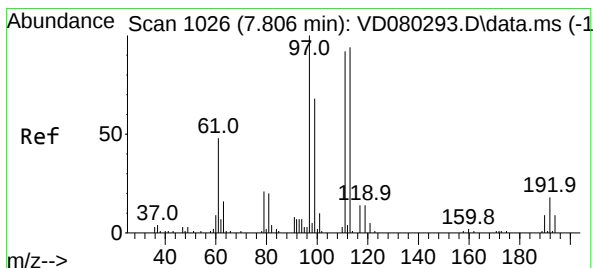
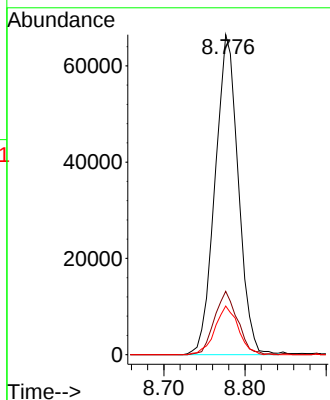
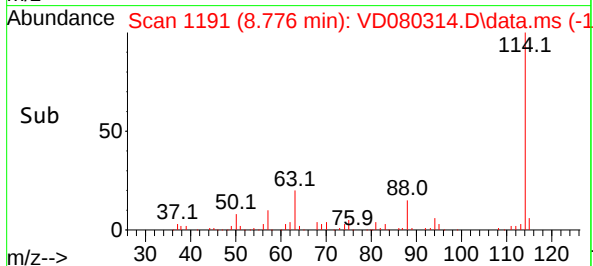
Instrument :
MSVOA_D
ClientSampleId :
3836RE



Tgt Ion:114 Resp: 132244
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 15.2 0.0 30.6

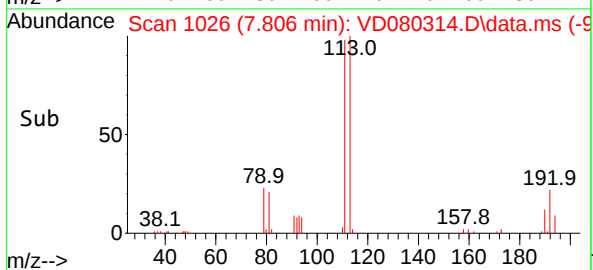
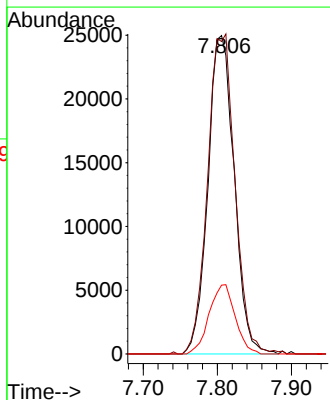
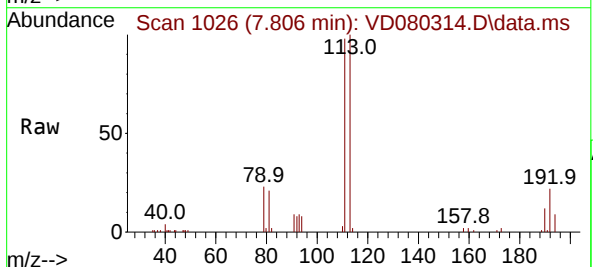
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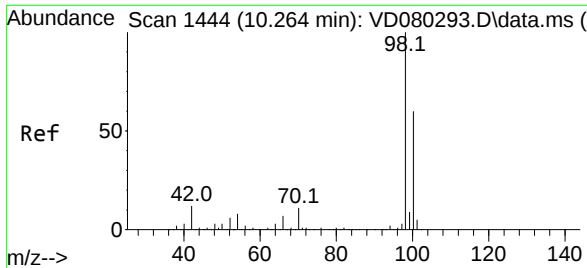
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025



#35
Dibromofluoromethane
Concen: 69.310 ug/l
RT: 7.806 min Scan# 1026
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

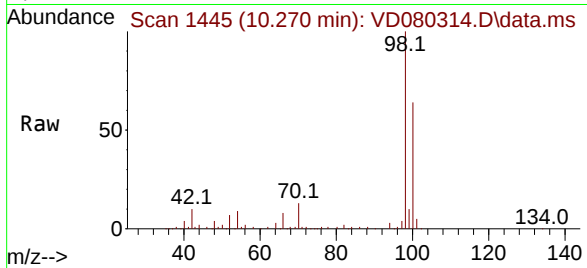
Tgt Ion:113 Resp: 61433
Ion Ratio Lower Upper
113 100
111 104.8 82.5 123.7
192 21.6 16.6 25.0





#50
Toluene-d8
Concen: 40.098 ug/l
RT: 10.270 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

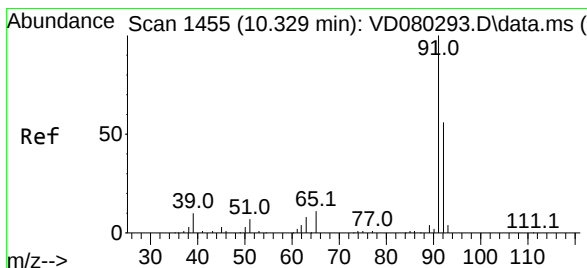
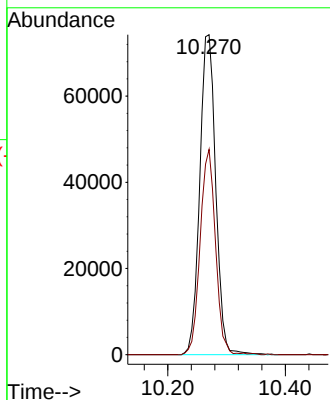
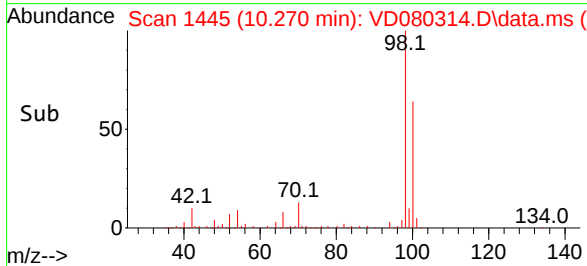
Instrument :
MSVOA_D
ClientSampleId :
3836RE



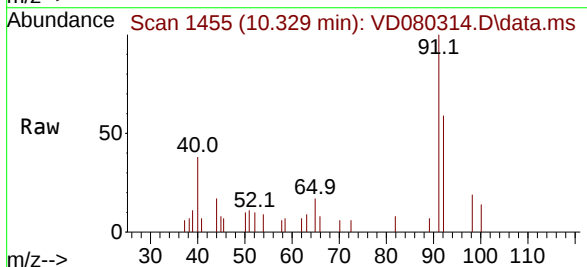
Tgt Ion: 98 Resp: 140034
Ion Ratio Lower Upper
98 100
100 61.7 50.2 75.4

Manual Integrations
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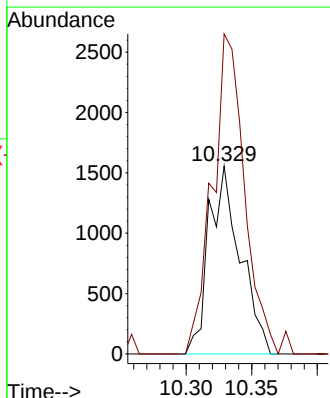
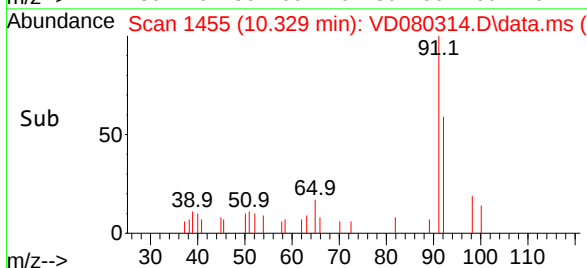
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025

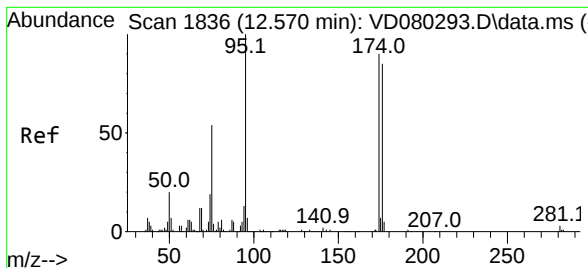


#52
Toluene
Concen: 1.040 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08



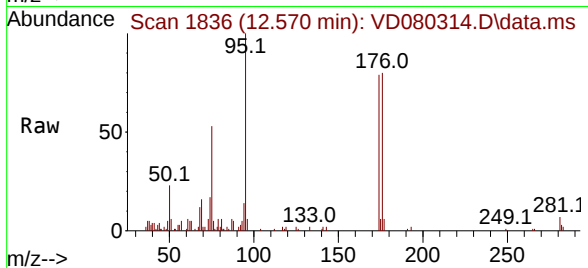
Tgt Ion: 92 Resp: 2600
Ion Ratio Lower Upper
92 100
91 173.2 139.3 208.9





#62
4-Bromofluorobenzene
Concen: 27.340 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

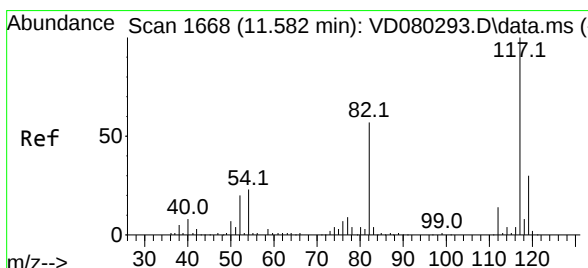
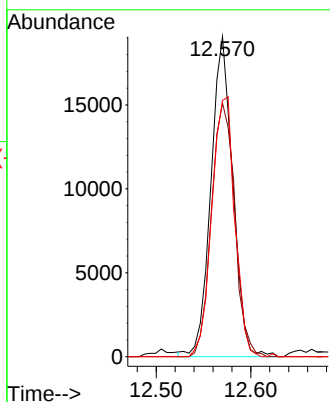
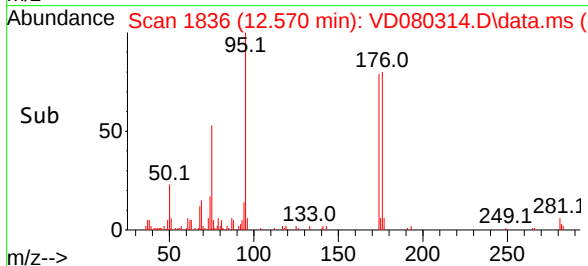
Instrument :
MSVOA_D
ClientSampleId :
3836RE



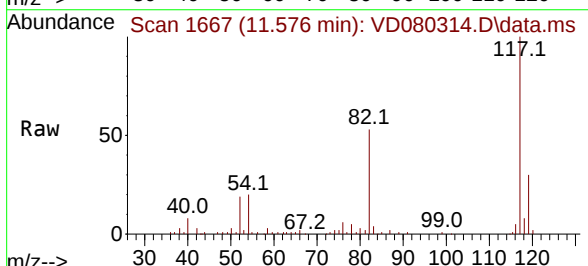
Tgt Ion: 95 Resp: 30640
Ion Ratio Lower Upper
95 100
174 84.6 0.0 173.4
176 84.9 0.0 166.6

Manual Integrations
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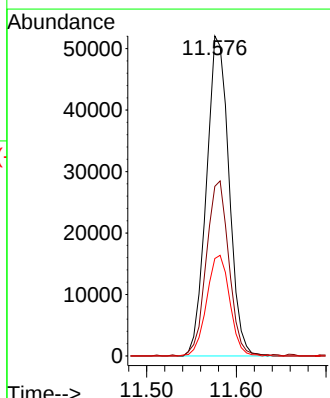
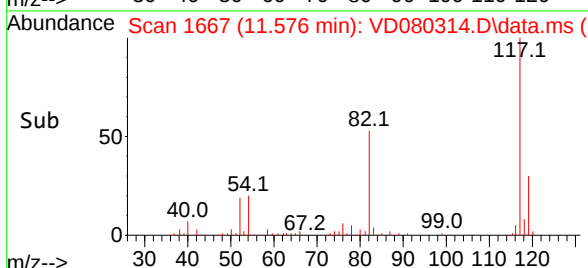
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025

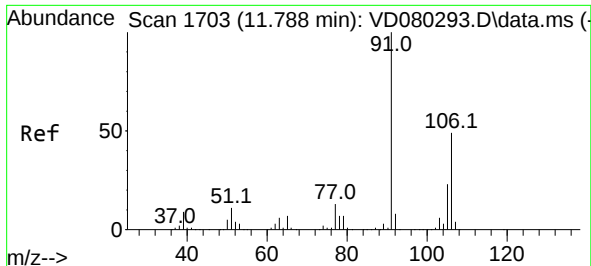


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.576 min Scan# 1667
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08



Tgt Ion:117 Resp: 90778
Ion Ratio Lower Upper
117 100
82 53.0 45.8 68.6
119 30.4 26.2 39.2





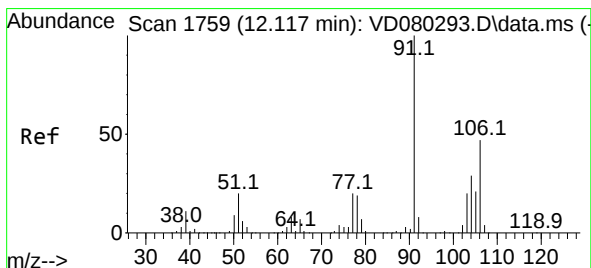
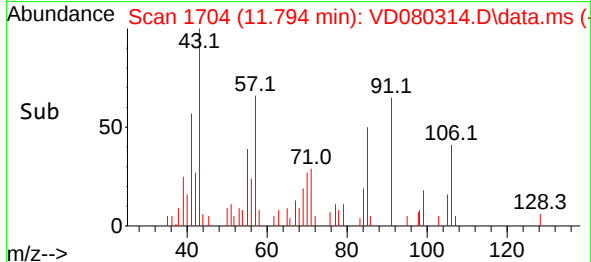
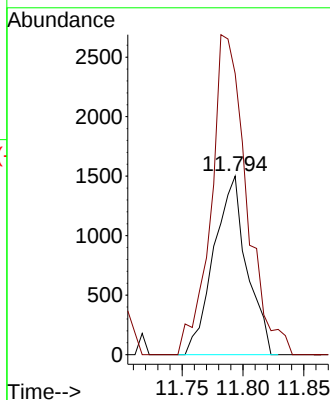
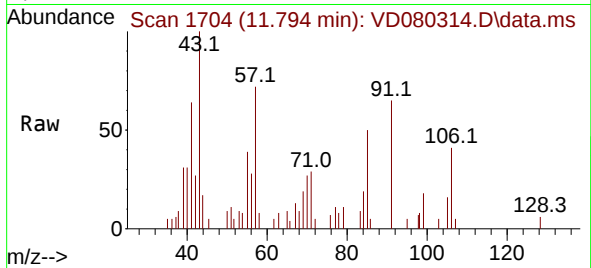
#68
m/p-Xylenes
Concen: 2.129 ug/l
RT: 11.794 min Scan# 11704
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

Instrument :
MSVOA_D
ClientSampleId :
3836RE

Tgt Ion:106 Resp: 283
Ion Ratio Lower Upper
106 100
91 192.9 162.6 244.0

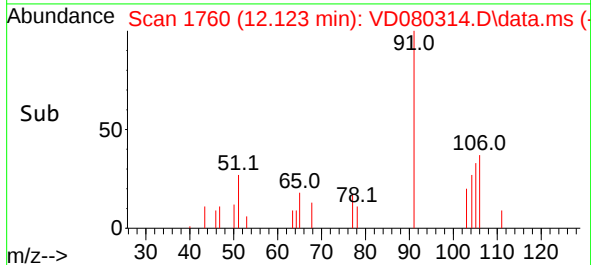
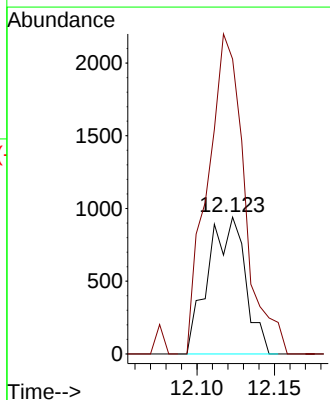
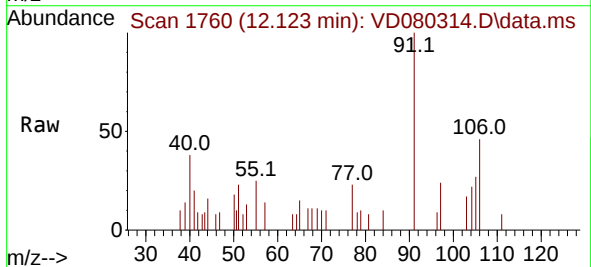
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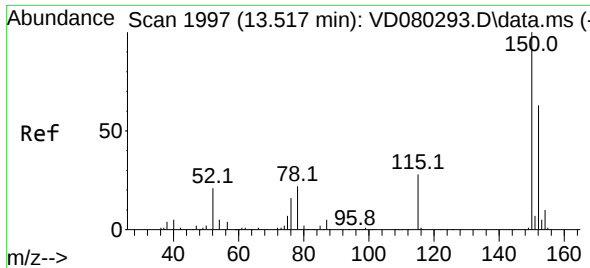
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025



#69
o-Xylene
Concen: 1.292 ug/l
RT: 12.123 min Scan# 1760
Delta R.T. 0.007 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

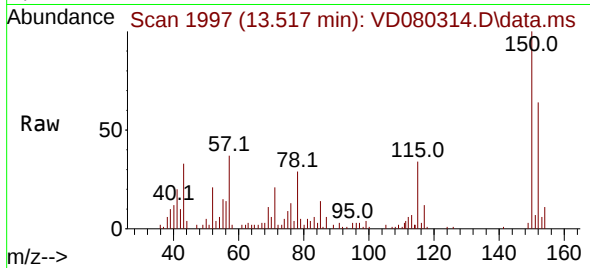
Tgt Ion:106 Resp: 1570
Ion Ratio Lower Upper
106 100
91 233.2 110.5 331.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

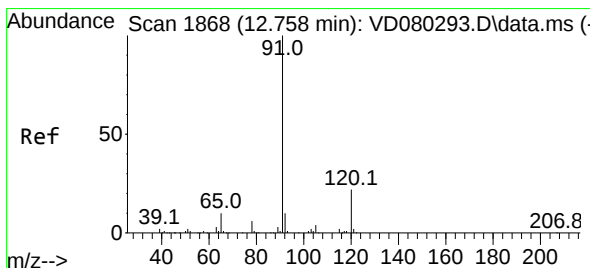
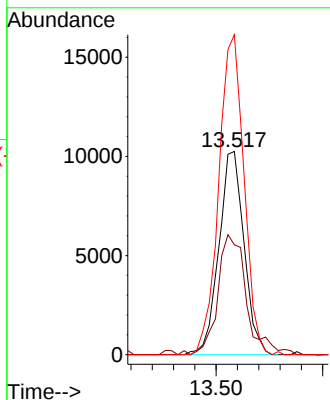
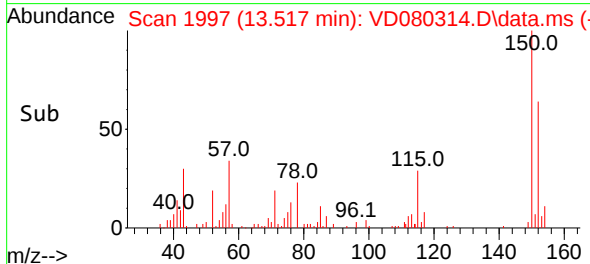
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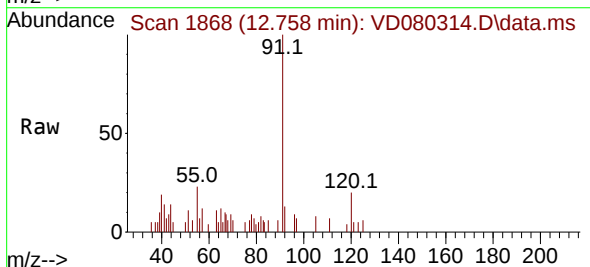
Tgt Ion:152 Resp: 16764
Ion Ratio Lower Upper
152 100
115 66.9 28.9 86.8
150 158.0 0.0 354.8

Manual Integrations
APPROVED

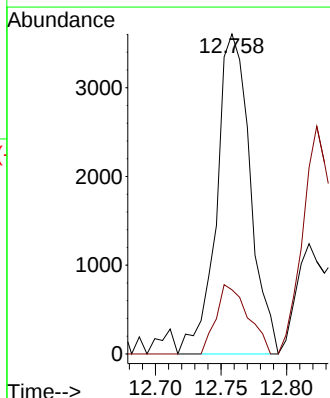
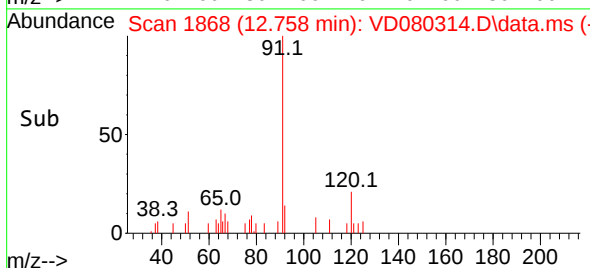
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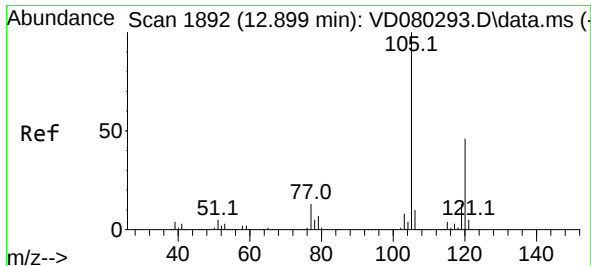


#78
n-propylbenzene
Concen: 4.710 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08



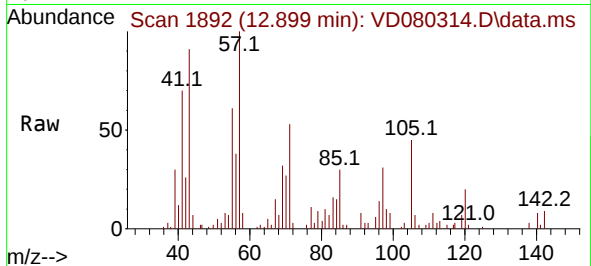
Tgt Ion: 91 Resp: 6427
Ion Ratio Lower Upper
91 100
120 20.6 11.2 33.5





#80
1,3,5-Trimethylbenzene
Concen: 8.584 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08

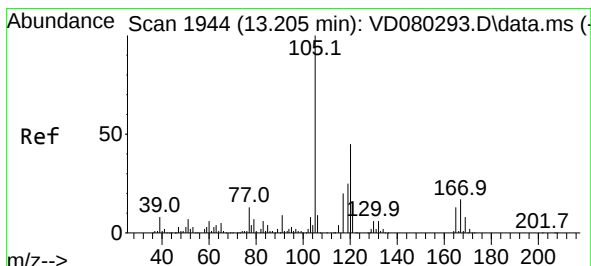
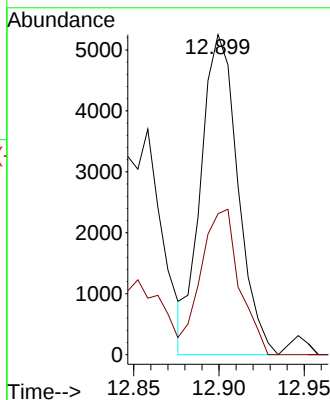
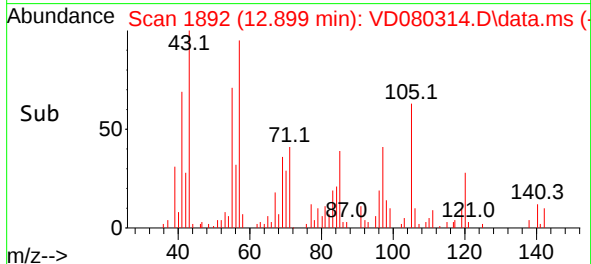
Instrument :
MSVOA_D
ClientSampleId :
3836RE



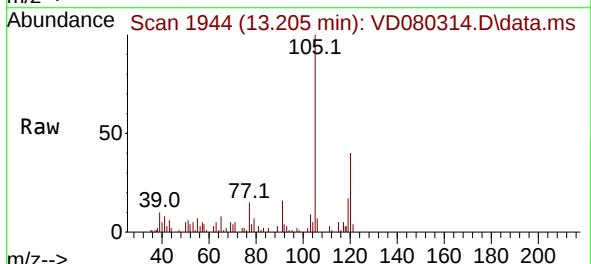
Tgt Ion:105 Resp: 7962
Ion Ratio Lower Upper
105 100
120 47.0 25.0 75.0

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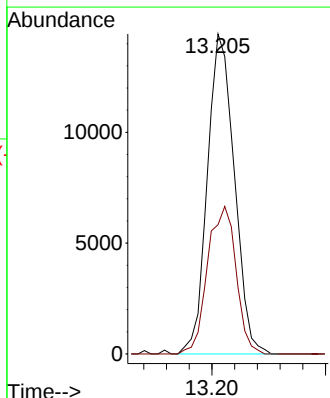
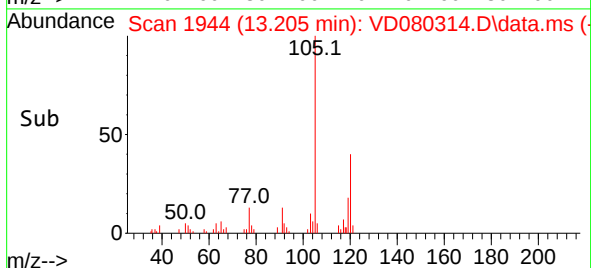
Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025

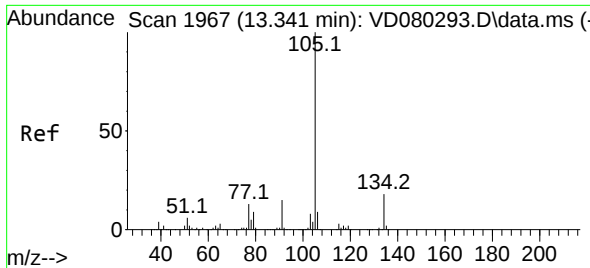


#84
1,2,4-Trimethylbenzene
Concen: 25.124 ug/l
RT: 13.205 min Scan# 1944
Delta R.T. -0.005 min
Lab File: VD080314.D
Acq: 13 May 2025 21:08



Tgt Ion:105 Resp: 23842
Ion Ratio Lower Upper
105 100
120 48.6 22.8 68.4





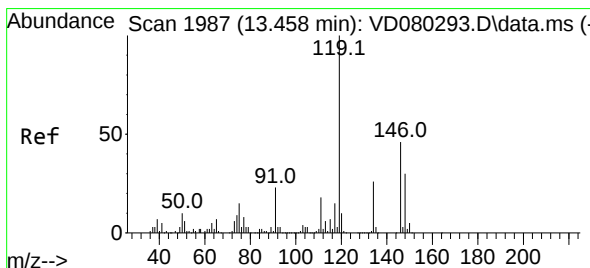
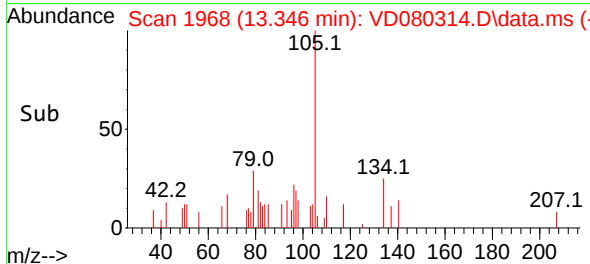
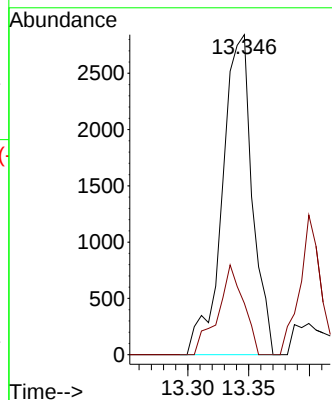
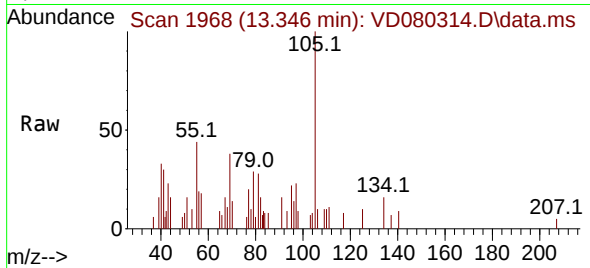
#85
 sec-Butylbenzene
 Concen: 4.089 ug/l
 RT: 13.346 min Scan# 1967
 Delta R.T. 0.006 min
 Lab File: VD080314.D
 Acq: 13 May 2025 21:08

Instrument :
 MSVOA_D
 ClientSampleId :
 3836RE

Tgt Ion:105 Resp: 4880
 Ion Ratio Lower Upper
 105 100
 134 24.1 9.8 29.3

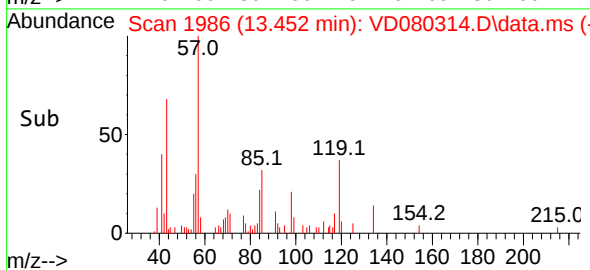
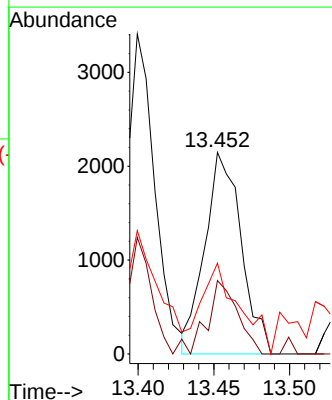
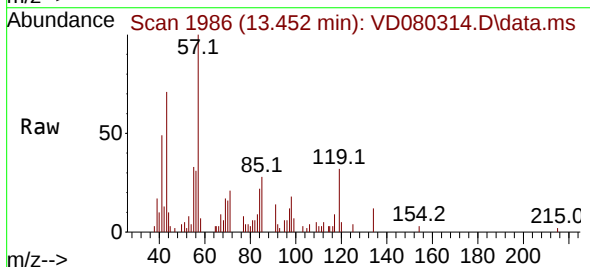
Manual Integrations
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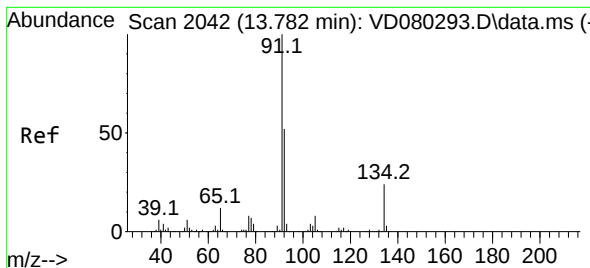
Reviewed By :Mahesh Dadoda 05/14/2025
 Supervised By :Semsettin Yesilyurt 05/14/2025



#86
 p-Isopropyltoluene
 Concen: 3.576 ug/l m
 RT: 13.452 min Scan# 1986
 Delta R.T. -0.005 min
 Lab File: VD080314.D
 Acq: 13 May 2025 21:08

Tgt Ion:119 Resp: 3587
 Ion Ratio Lower Upper
 119 100
 134 40.5 13.1 39.1#
 91 42.2 12.2 36.4#





#89

n-Butylbenzene

Concen: 7.350 ug/l m

RT: 13.782 min Scan# 2042

Delta R.T. -0.005 min

Lab File: VD080314.D

Acq: 13 May 2025 21:08

Instrument :

MSVOA_D

ClientSampleId :

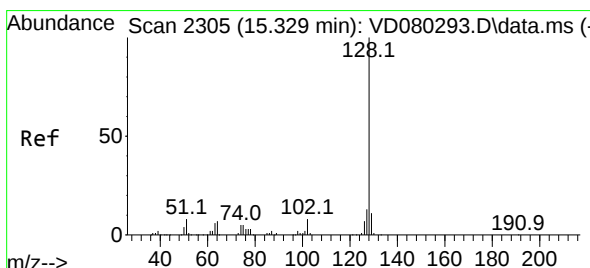
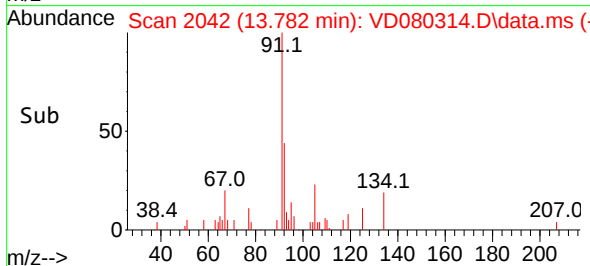
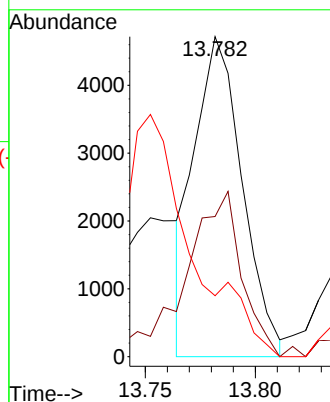
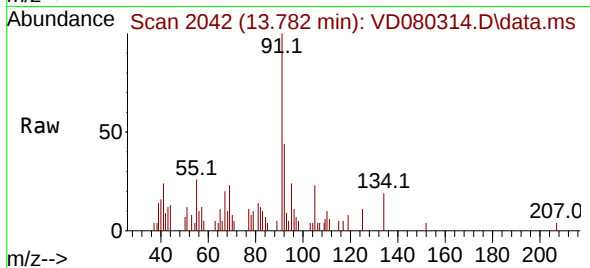
3836RE

Tgt Ion: 91	Resp: 715
Ion Ratio	Lower Upper
91 100	
92 61.3	26.3 78.9
134 0.0	12.3 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/14/2025
Supervised By :Semsettin Yesilyurt 05/14/2025



#95

Naphthalene

Concen: 7.086 ug/l

RT: 15.323 min Scan# 2304

Delta R.T. -0.005 min

Lab File: VD080314.D

Acq: 13 May 2025 21:08

Tgt Ion:128	Resp: 4276
Ion Ratio	Lower Upper
128 100	
127 9.9	11.8 17.8#
129 13.0	8.3 12.5#

