

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
 Data File : VD080356.D
 Acq On : 15 May 2025 18:36
 Operator : RP/MD
 Sample : Q2014-03
 Misc : 3.61G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0148

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

Quant Time: May 16 03:02:14 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	92518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	146319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	121775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	45963	38.417	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 76.840%			
35) Dibromofluoromethane	7.805	113	62988	64.229	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 128.460%			
50) Toluene-d8	10.270	98	203708	52.719	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.440%			
62) 4-Bromofluorobenzene	12.570	95	113887	91.828	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 183.660%#			
Target Compounds						
16) Acetone	4.023	43	39729	214.849	ug/l	91
20) Methylene Chloride	4.811	84	6753	1.579	ug/l #	83
25) 2-Butanone	7.088	43	12799	38.881	ug/l	98
40) Benzene	8.252	78	5493	1.196	ug/l	97
51) 4-Methyl-2-Pentanone	10.158	43	2654m	3.706	ug/l	
52) Toluene	10.334	92	8846	3.197	ug/l	81
59) 2-Hexanone	10.923	43	3997	8.114	ug/l	83
68) m/p-Xylenes	11.787	106	11199	3.078	ug/l	95
69) o-Xylene	12.123	106	5336	1.605	ug/l	79
84) 1,2,4-Trimethylbenzene	13.205	105	14675	2.129	ug/l	88
86) p-Isopropyltoluene	13.458	119	18090	2.483	ug/l	96

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

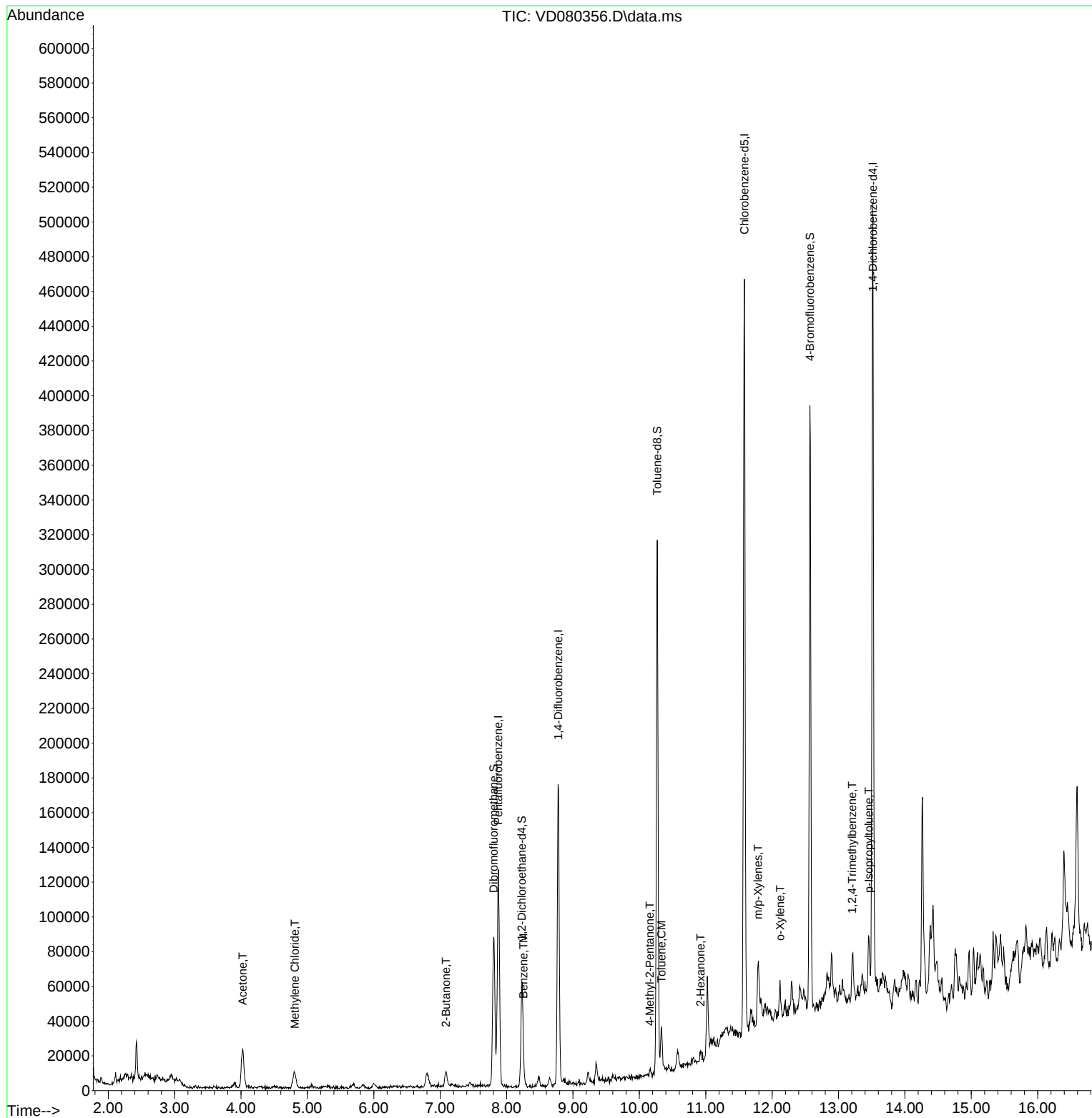
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051525\
Data File : VD080356.D
Acq On : 15 May 2025 18:36
Operator : RP/MD
Sample : Q2014-03
Misc : 3.61G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

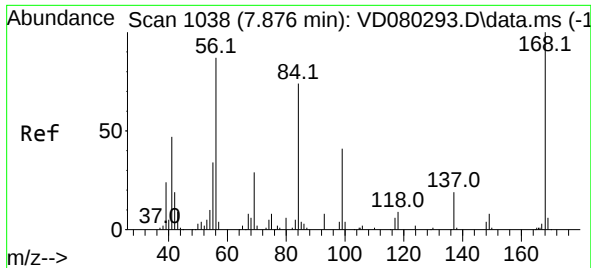
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

Quant Time: May 16 03:02:14 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

Manual Integrations
APPROVED

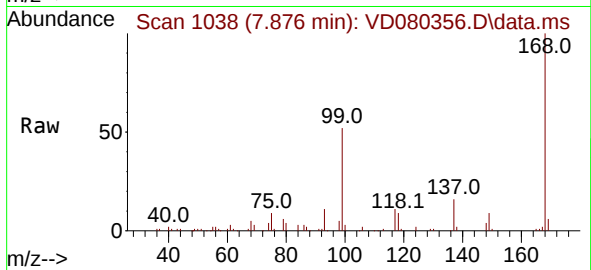
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

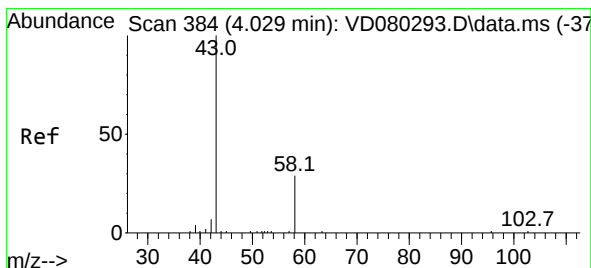
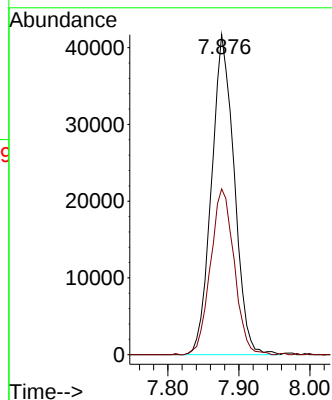
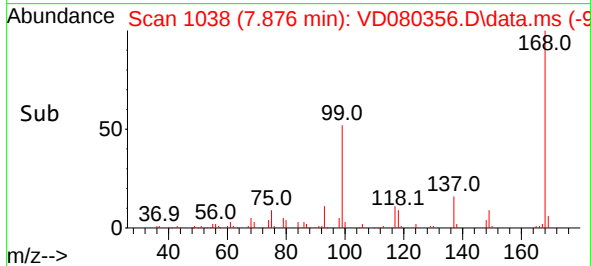
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion:168 Resp: 92518
Ion Ratio Lower Upper
168 100
99 51.8 46.0 69.0

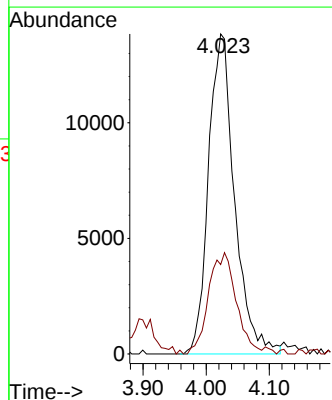
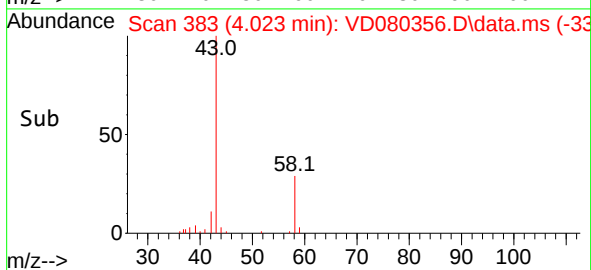
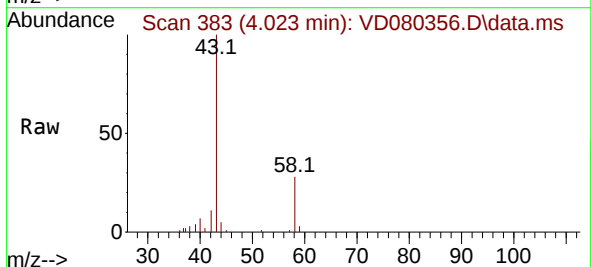
Manual Integrations
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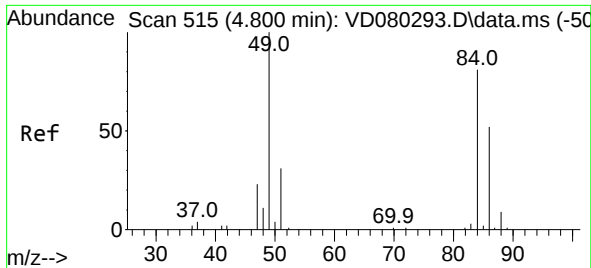
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#16
Acetone
Concen: 214.849 ug/l
RT: 4.023 min Scan# 383
Delta R.T. 0.000 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

Tgt Ion: 43 Resp: 39729
Ion Ratio Lower Upper
43 100
58 26.8 25.4 38.2





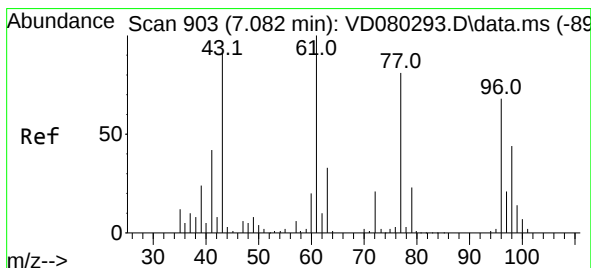
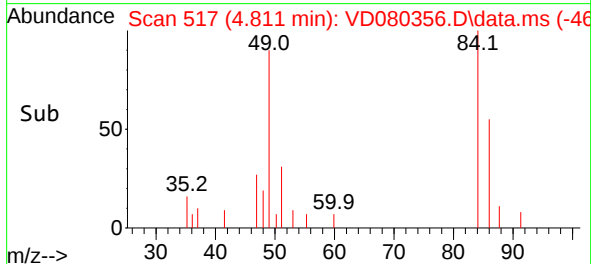
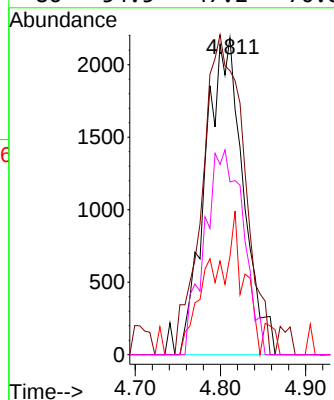
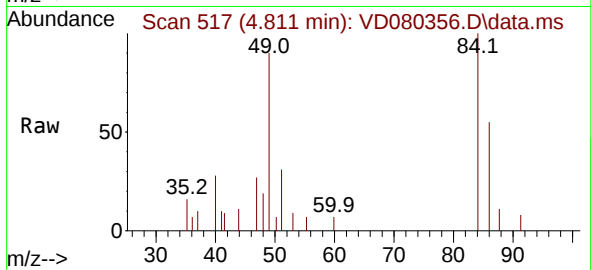
#20
Methylene Chloride
Concen: 1.579 ug/l
RT: 4.811 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

Instrument : MSVOA_D
ClientSampleId : MOO-25-0148

Tgt Ion: 84	Resp: 675
Ion Ratio	Lower Upper
84 100	
49 80.6	86.5 129.7
51 31.0	26.9 40.3
86 54.5	47.2 70.8

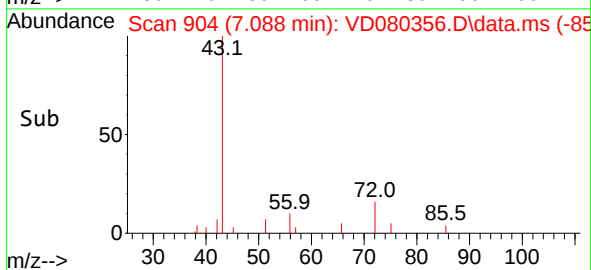
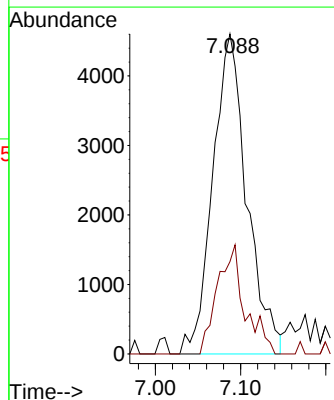
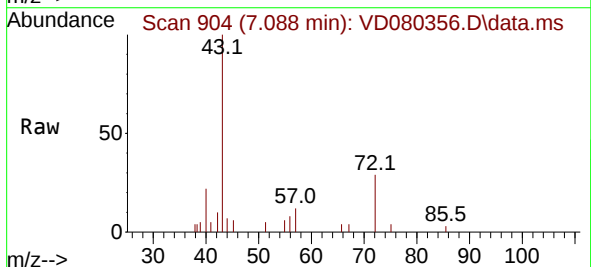
Manual Integrations
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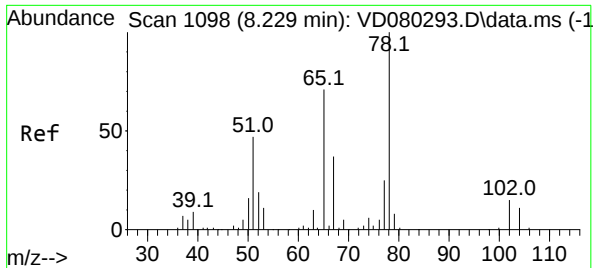
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#25
2-Butanone
Concen: 38.881 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

Tgt Ion: 43	Resp: 12799
Ion Ratio	Lower Upper
43 100	
72 28.8	22.3 33.5





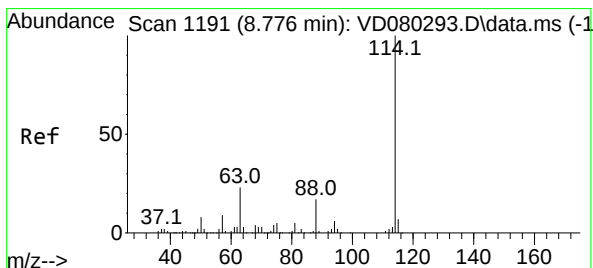
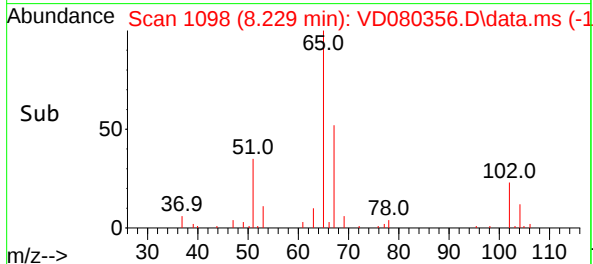
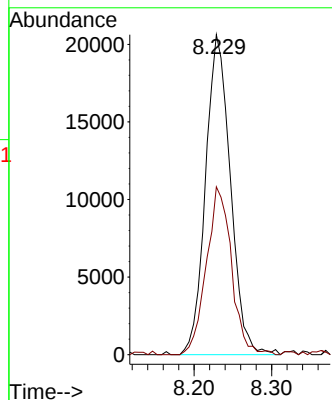
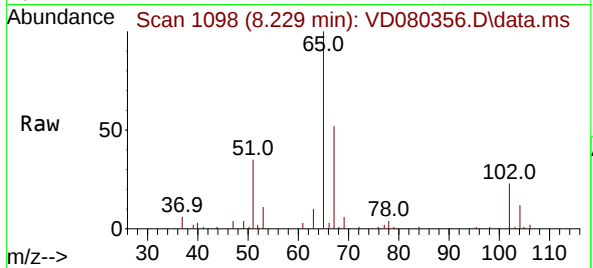
#33
1,2-Dichloroethane-d4
Concen: 38.417 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

Tgt Ion: 65 Resp: 4596
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.2

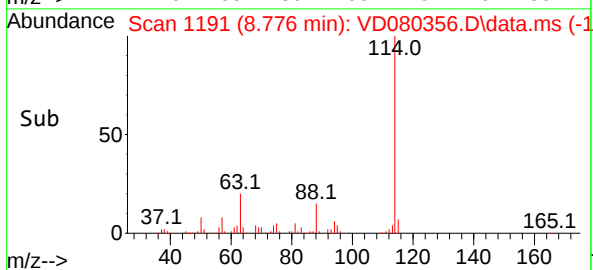
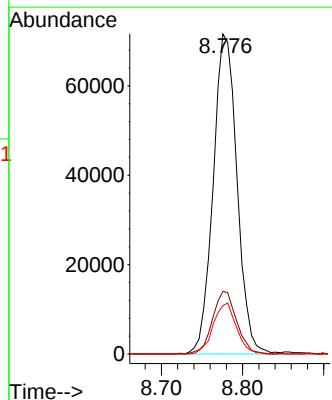
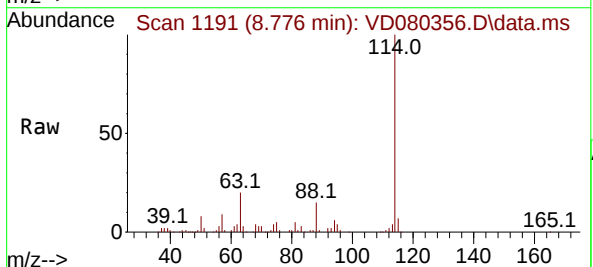
Manual Integrations
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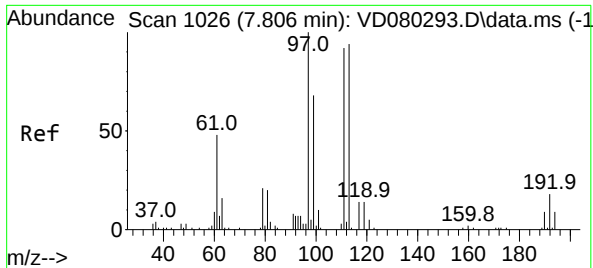
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

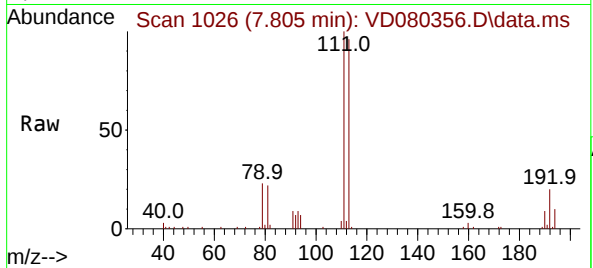
Tgt Ion:114 Resp: 146319
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.8
88 15.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 64.229 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

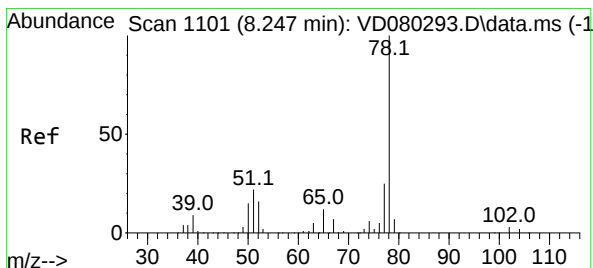
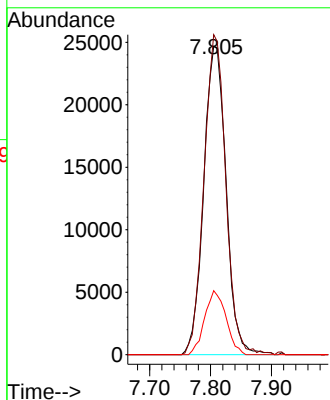
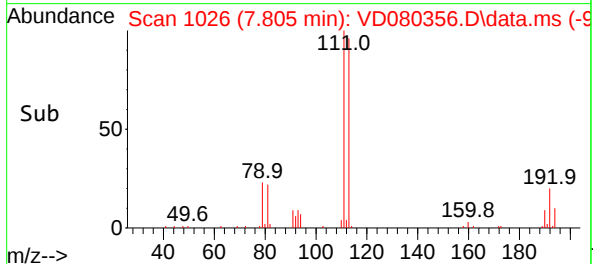
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion:113 Resp: 62988
Ion Ratio Lower Upper
113 100
111 101.2 82.5 123.7
192 19.8 16.6 25.0

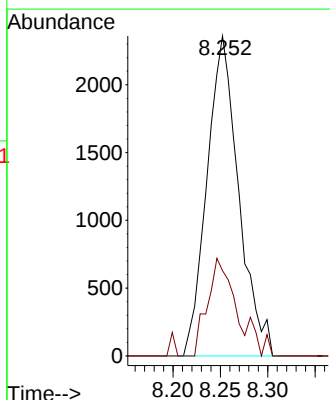
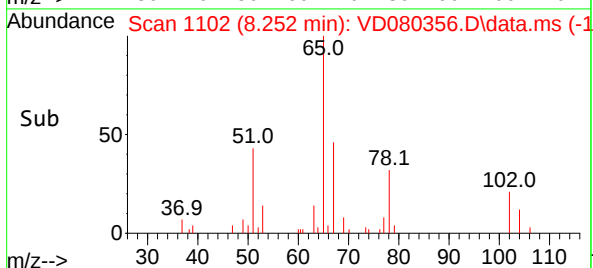
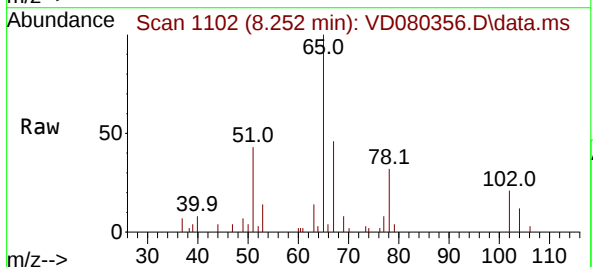
Manual Integrations
APPROVED

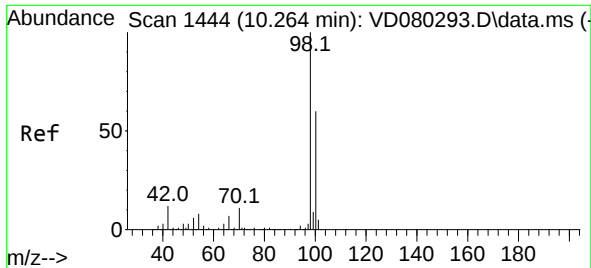
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#40
Benzene
Concen: 1.196 ug/l
RT: 8.252 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

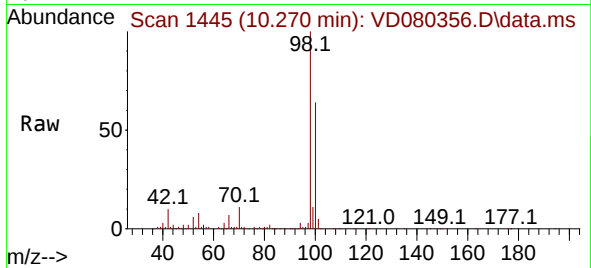
Tgt Ion: 78 Resp: 5493
Ion Ratio Lower Upper
78 100
77 26.7 20.2 30.4





#50
Toluene-d8
Concen: 52.719 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

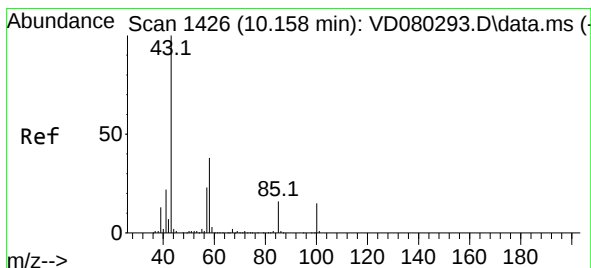
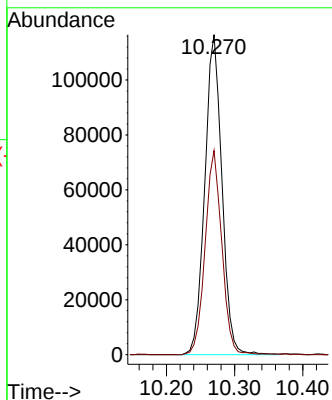
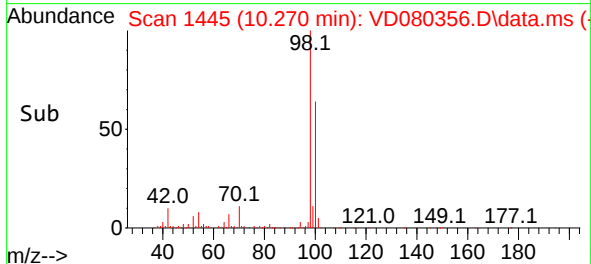
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



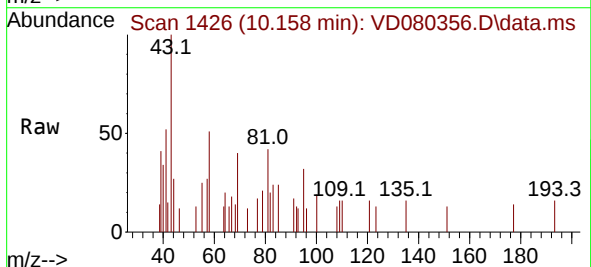
Tgt Ion: 98 Resp: 203708
Ion Ratio Lower Upper
98 100
100 62.1 50.2 75.4

Manual Integrations
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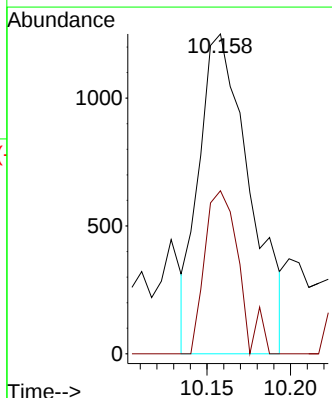
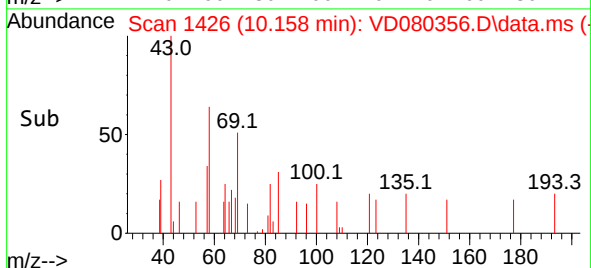
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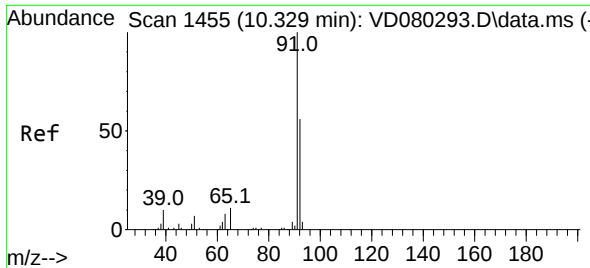


#51
4-Methyl-2-Pentanone
Concen: 3.706 ug/l m
RT: 10.158 min Scan# 1426
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36



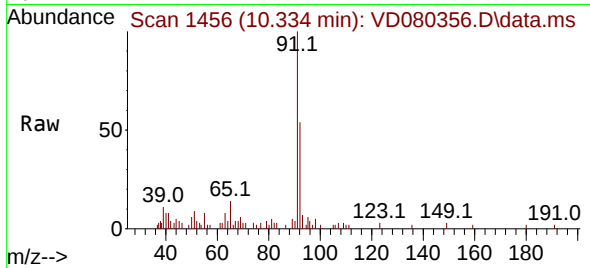
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
58 34.2 32.8 49.2





#52
Toluene
Concen: 3.197 ug/l
RT: 10.334 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

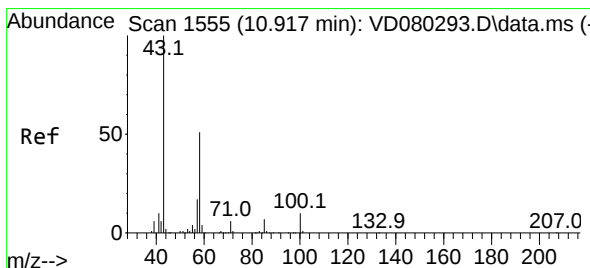
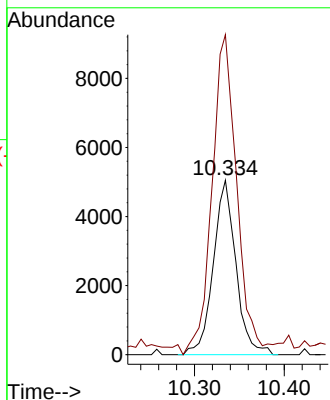
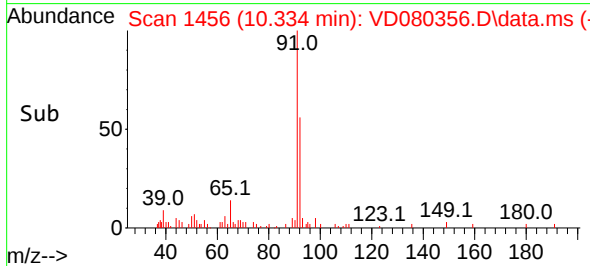
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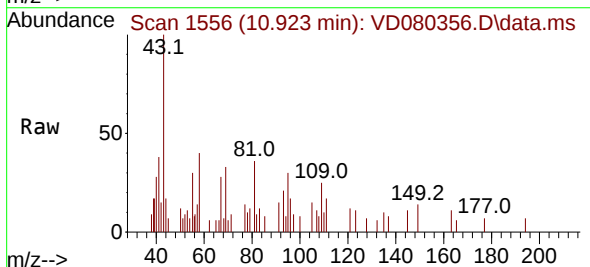
Tgt Ion: 92 Resp: 8840
Ion Ratio Lower Upper
92 100
91 201.1 139.3 208.9

Manual Integrations
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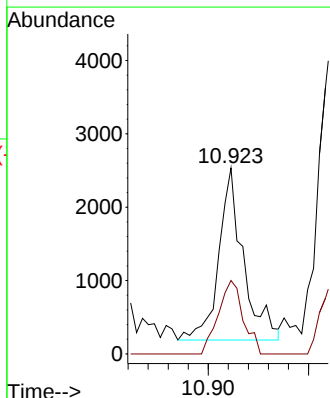
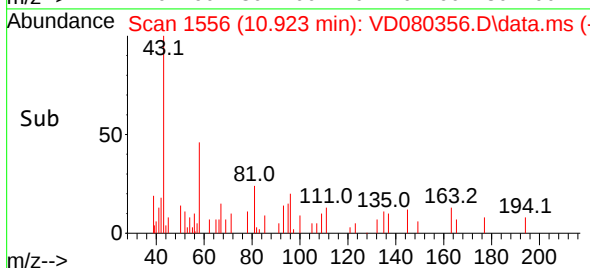
Reviewed By :Mahesh Dadoda 05/16/2025
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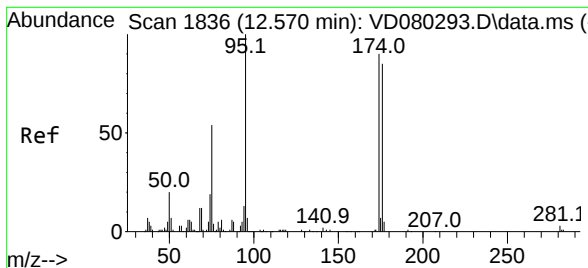


#59
2-Hexanone
Concen: 8.114 ug/l
RT: 10.923 min Scan# 1556
Delta R.T. 0.007 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36



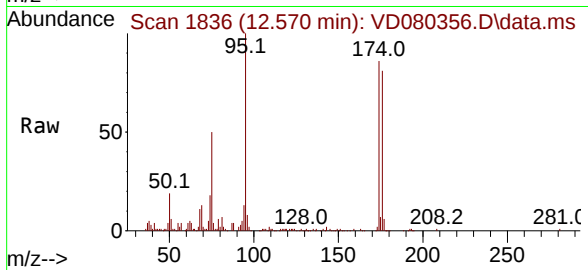
Tgt Ion: 43 Resp: 3997
Ion Ratio Lower Upper
43 100
58 43.1 27.8 83.4





#62
4-Bromofluorobenzene
Concen: 91.828 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

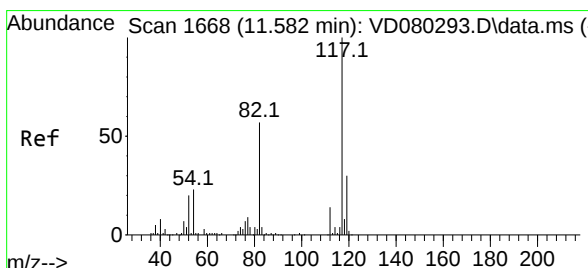
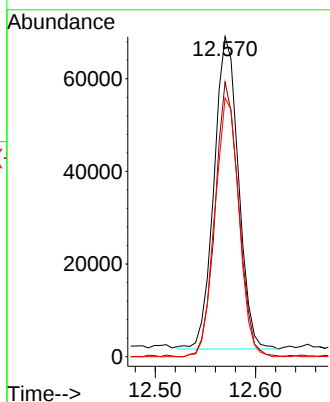
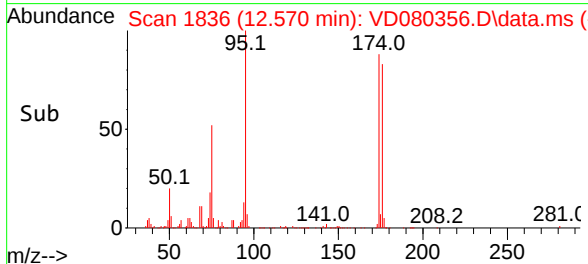
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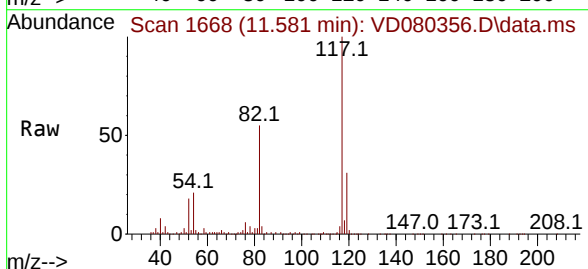
Tgt Ion: 95 Resp: 11388
Ion Ratio Lower Upper
95 100
174 84.7 0.0 173.4
176 81.8 0.0 166.6

Manual Integrations
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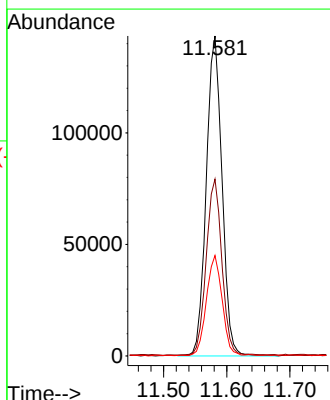
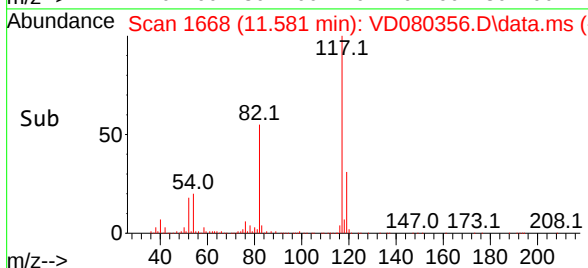
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025

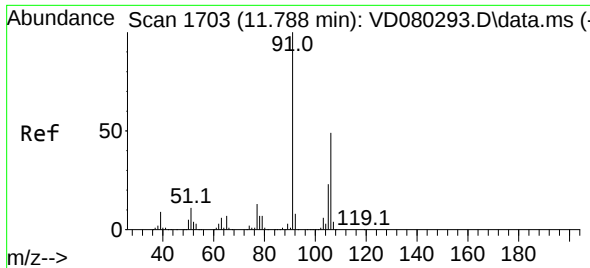


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36



Tgt Ion:117 Resp: 248368
Ion Ratio Lower Upper
117 100
82 55.0 45.8 68.6
119 31.2 26.2 39.2





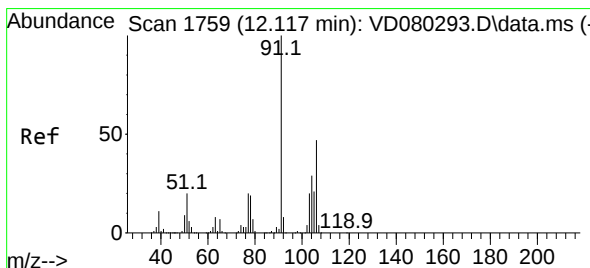
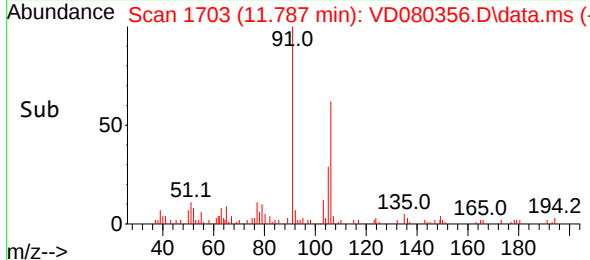
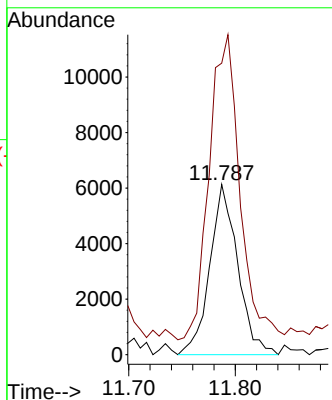
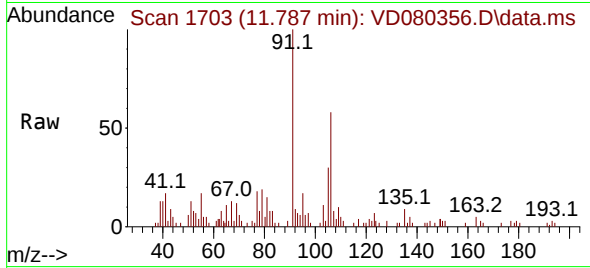
#68
m/p-Xylenes
Concen: 3.078 ug/l
RT: 11.787 min Scan# 11199
Delta R.T. -0.006 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

Tgt Ion:106 Resp: 11199
Ion Ratio Lower Upper
106 100
91 195.7 162.6 244.0

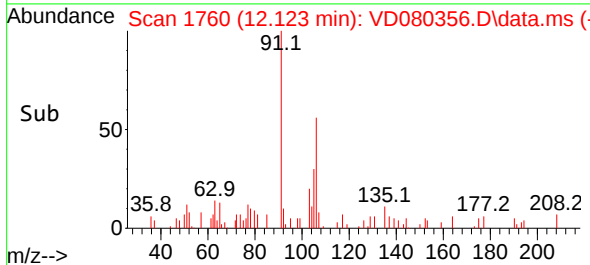
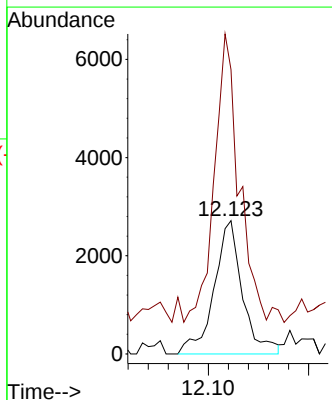
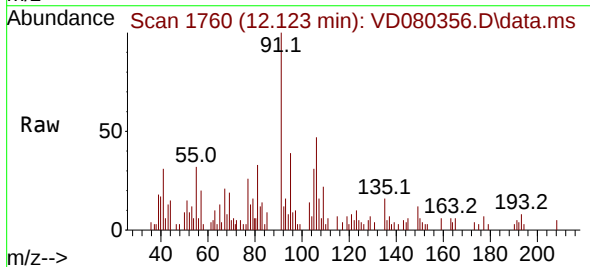
Manual Integrations
APPROVED

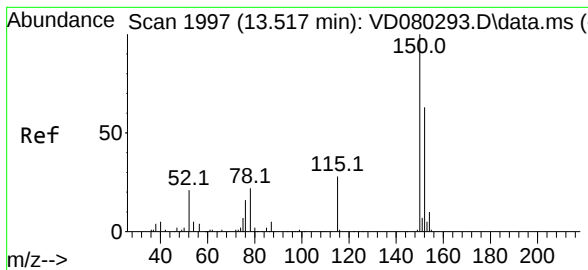
Reviewed By :Mahesh Dadoda 05/16/2025
Supervised By :Semsettin Yesilyurt 05/16/2025



#69
o-Xylene
Concen: 1.605 ug/l
RT: 12.123 min Scan# 1760
Delta R.T. 0.007 min
Lab File: VD080356.D
Acq: 15 May 2025 18:36

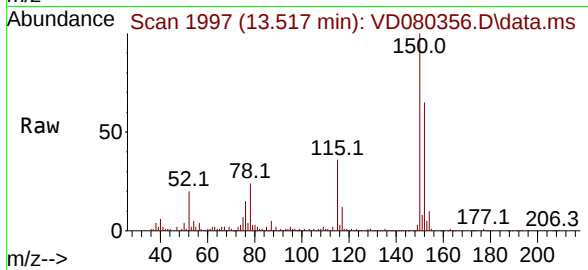
Tgt Ion:106 Resp: 5336
Ion Ratio Lower Upper
106 100
91 186.4 110.5 331.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.517 min Scan# 1997
 Delta R.T. 0.001 min
 Lab File: VD080356.D
 Acq: 15 May 2025 18:36

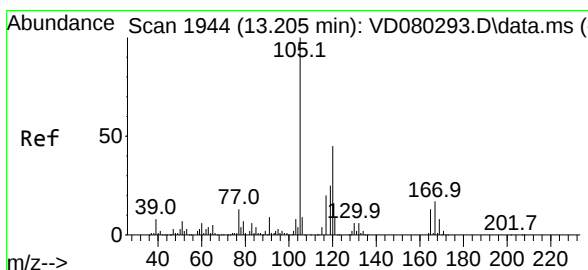
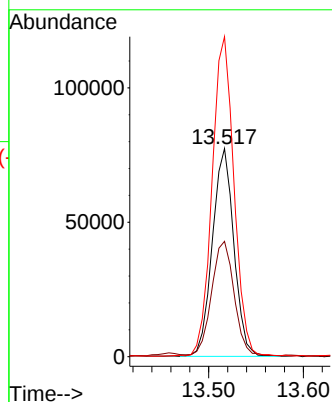
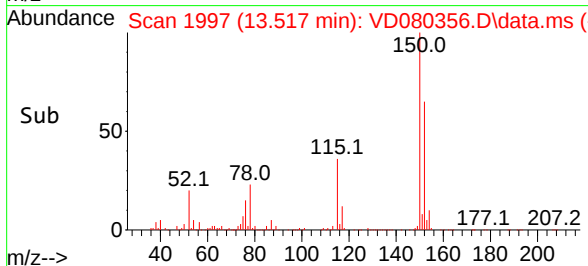
Instrument : MSVOA_D
 ClientSampleId : MOO-25-0148



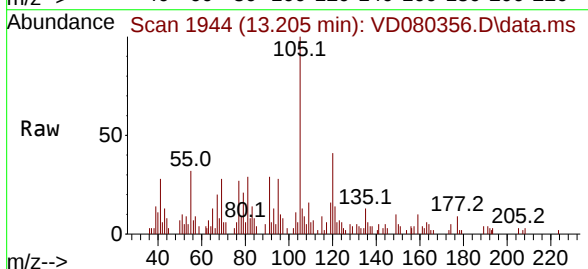
Tgt Ion:152 Resp: 121775
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.9 86.8
 150 156.6 0.0 354.8

Manual Integrations
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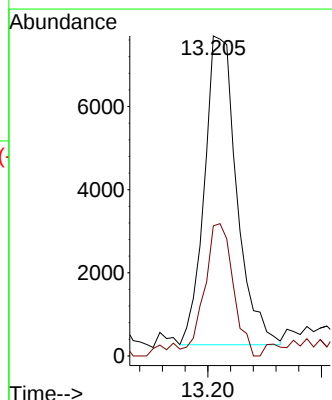
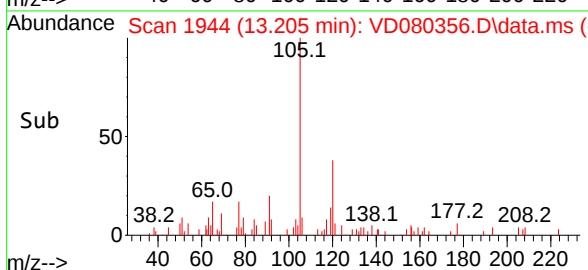
Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

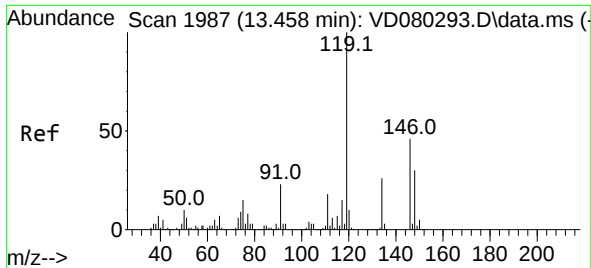


#84
 1,2,4-Trimethylbenzene
 Concen: 2.129 ug/l
 RT: 13.205 min Scan# 1944
 Delta R.T. -0.005 min
 Lab File: VD080356.D
 Acq: 15 May 2025 18:36



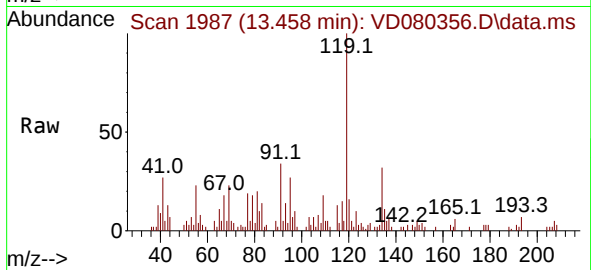
Tgt Ion:105 Resp: 14675
 Ion Ratio Lower Upper
 105 100
 120 37.6 22.8 68.4





#86
 p-Isopropyltoluene
 Concen: 2.483 ug/l
 RT: 13.458 min Scan# 1987
 Delta R.T. 0.001 min
 Lab File: VD080356.D
 Acq: 15 May 2025 18:36

Instrument : MSVOA_D
 ClientSampleId : MOO-25-0148



Tgt Ion:	119	Resp:	18090
Ion Ratio	Lower	Upper	
119	100		
134	29.0	13.1	39.1
91	25.9	12.2	36.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/16/2025
 Supervised By :Semsettin Yesilyurt 05/16/2025

