

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
 Data File : VD080378.D
 Acq On : 16 May 2025 18:11
 Operator : RP/MD
 Sample : Q2014-05
 Misc : 4.47G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MOO-25-0148

Quant Time: May 17 01:23:04 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 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	30322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.782	114	61360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	11377	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.511	152	2562m	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	37355	95.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 190.540%#			
35) Dibromofluoromethane	7.806	113	36309	88.288	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 176.580%#			
50) Toluene-d8	10.270	98	29162	17.997	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 36.000%#			
62) 4-Bromofluorobenzene	12.570	95	3350	6.441	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 12.880%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.059	59	14308	601.330	ug/l #	86
16) Acetone	4.024	43	20974	351.204	ug/l	93
20) Methylene Chloride	4.806	84	9376	20.101	ug/l #	85
25) 2-Butanone	7.094	43	5415	50.191	ug/l	93
39) Methylcyclohexane	9.276	83	9464	13.269	ug/l	96
52) Toluene	10.329	92	11049	9.523	ug/l	94
67) Ethyl Benzene	11.682	91	6252	14.564	ug/l	95
68) m/p-Xylenes	11.782	106	8804	52.818	ug/l	90
69) o-Xylene	12.117	106	3364	22.086	ug/l	82
70) Styrene	12.141	104	2976	10.881	ug/l #	71
80) 1,3,5-Trimethylbenzene	12.900	105	3780	26.667	ug/l	75
84) 1,2,4-Trimethylbenzene	13.211	105	11650	80.327	ug/l	95
85) sec-Butylbenzene	13.341	105	8812	48.309	ug/l	88
86) p-Isopropyltoluene	13.458	119	1965	12.818	ug/l #	50

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

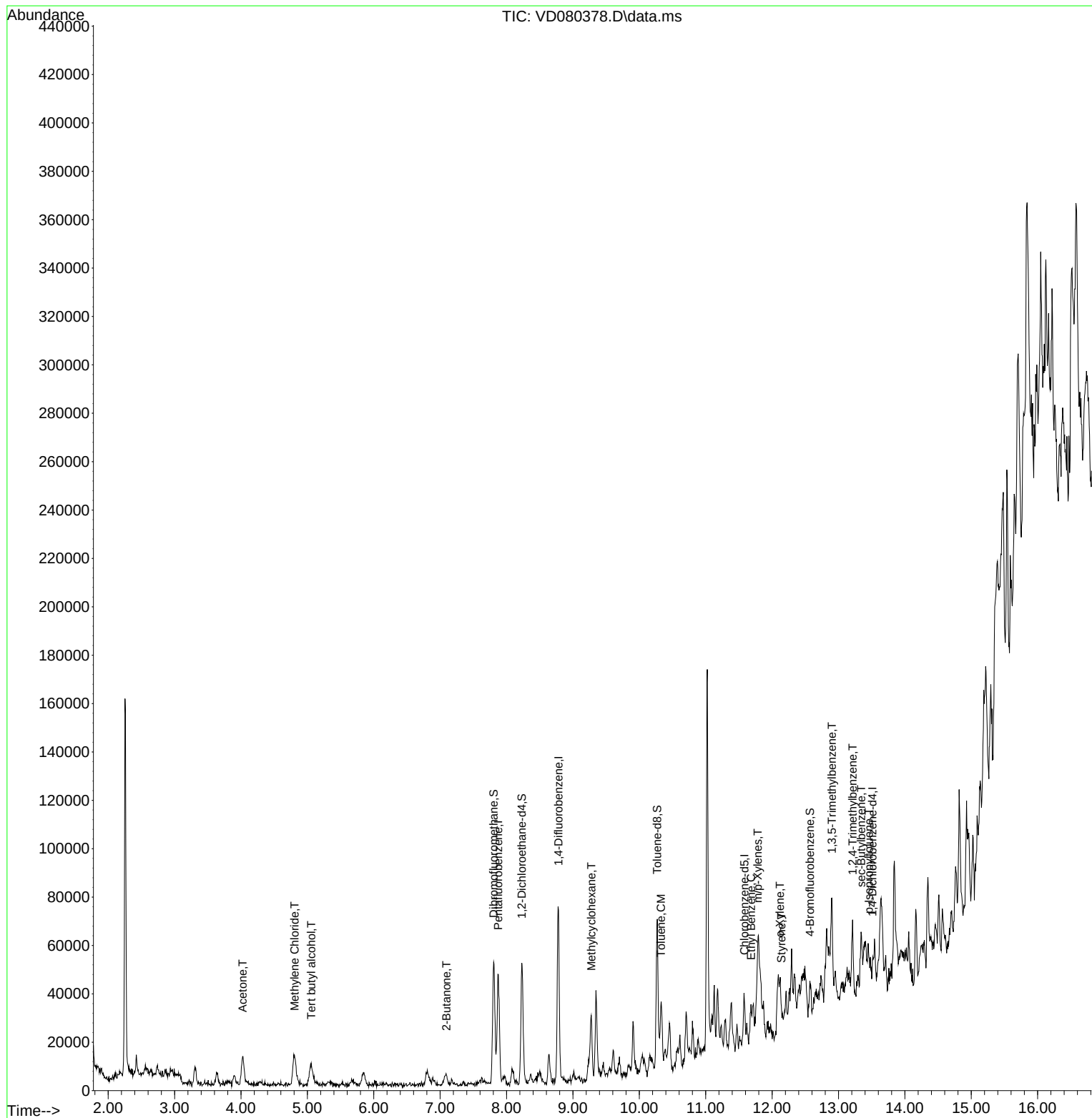
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051625\
Data File : VD080378.D
Acq On : 16 May 2025 18:11
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ALS Vial : 20 Sample Multiplier: 1

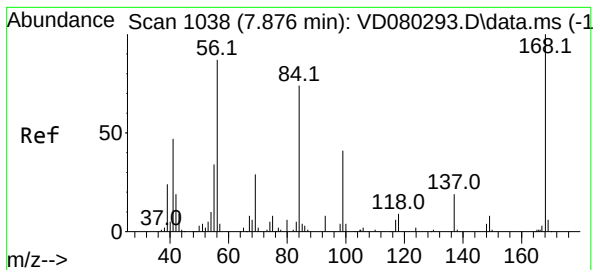
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148

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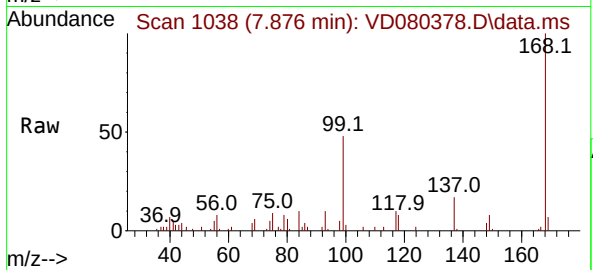
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

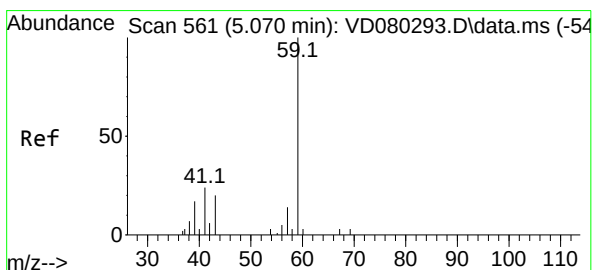
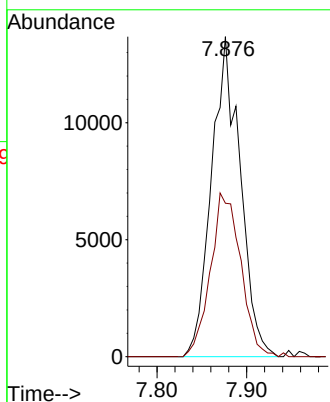
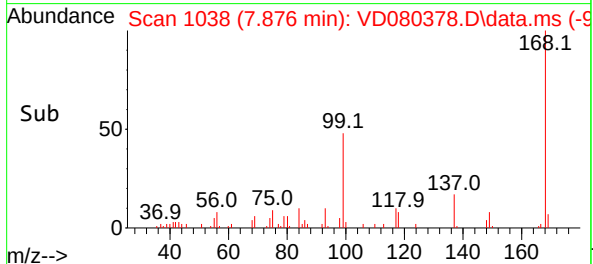
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion:168 Resp: 3032
Ion Ratio Lower Upper
168 100
99 48.0 46.0 69.0

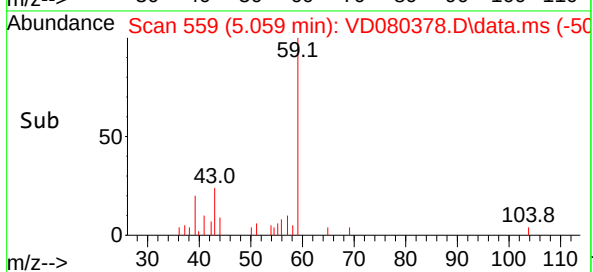
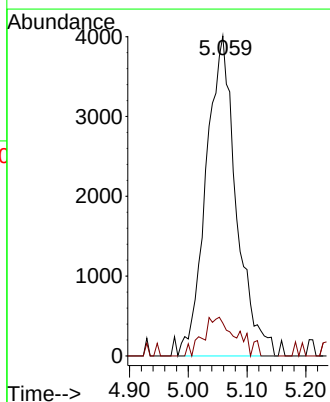
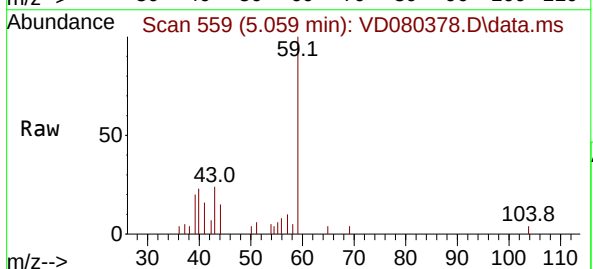
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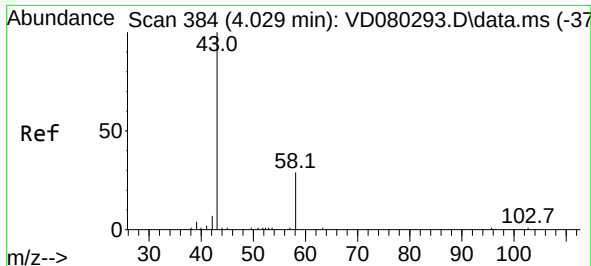
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#11
Tert butyl alcohol
Concen: 601.330 ug/l
RT: 5.059 min Scan# 559
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

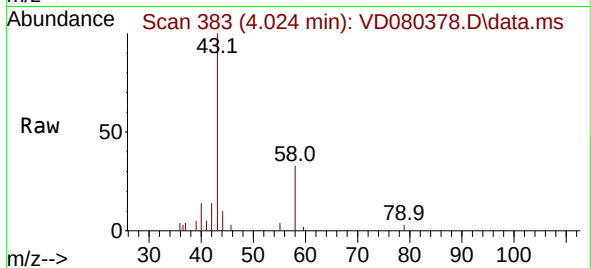
Tgt Ion: 59 Resp: 14308
Ion Ratio Lower Upper
59 100
57 10.8 4.8 7.2#





#16
Acetone
Concen: 351.204 ug/l
RT: 4.024 min Scan# 383
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

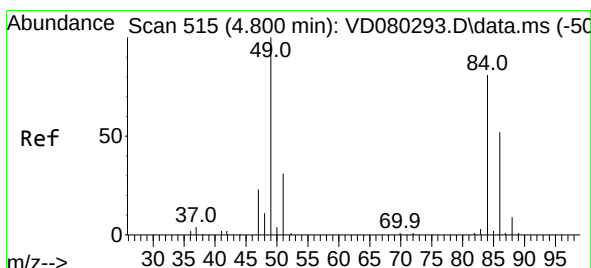
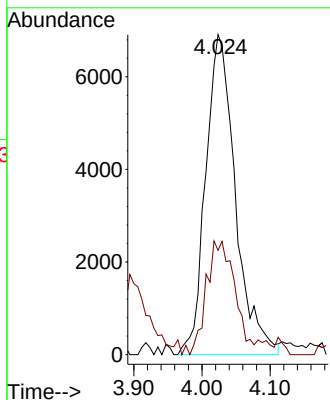
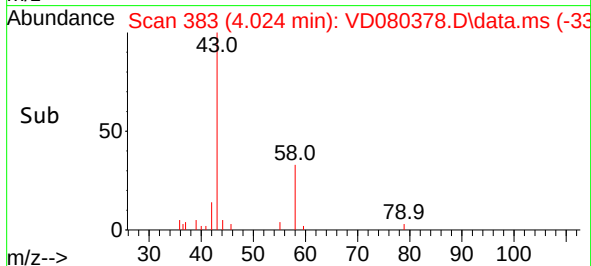
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion: 43 Resp: 20974
Ion Ratio Lower Upper
43 100
58 27.9 25.4 38.2

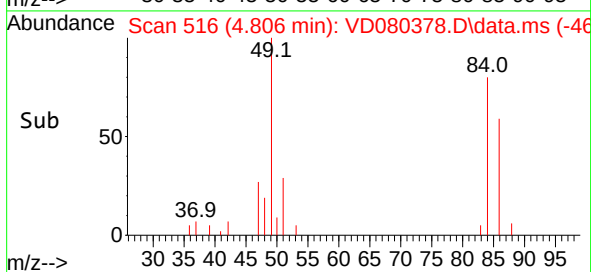
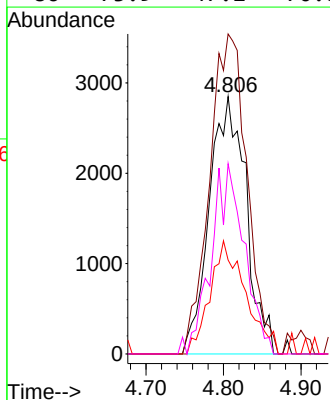
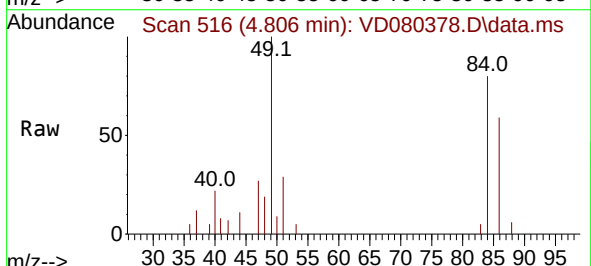
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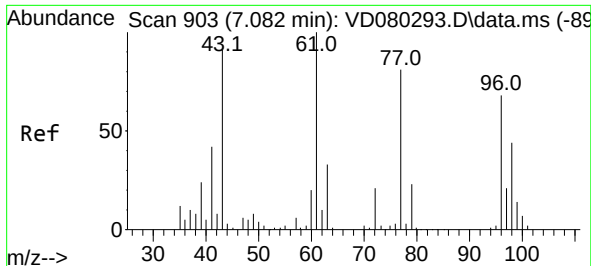
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#20
Methylene Chloride
Concen: 20.101 ug/l
RT: 4.806 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

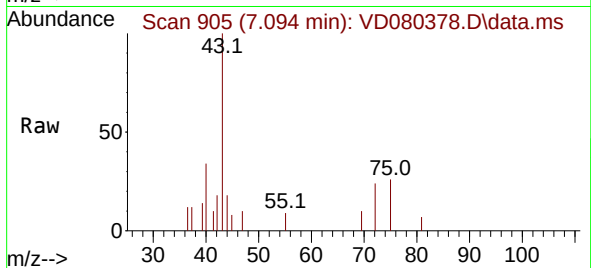
Tgt Ion: 84 Resp: 9376
Ion Ratio Lower Upper
84 100
49 124.3 86.5 129.7
51 36.5 26.9 40.3
86 73.9 47.2 70.8#





#25
2-Butanone
Concen: 50.191 ug/l
RT: 7.094 min Scan# 905
Delta R.T. 0.007 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

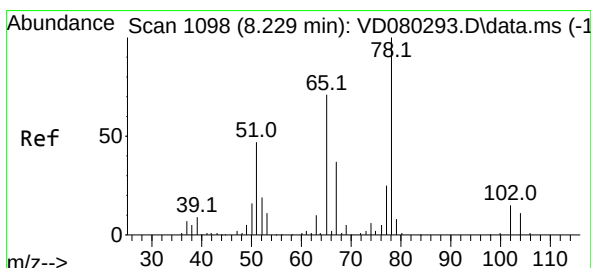
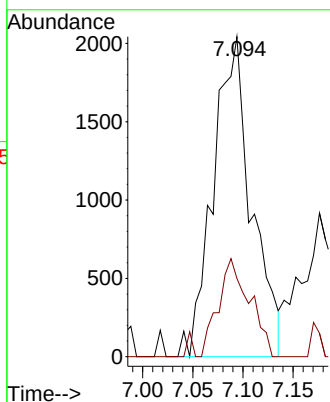
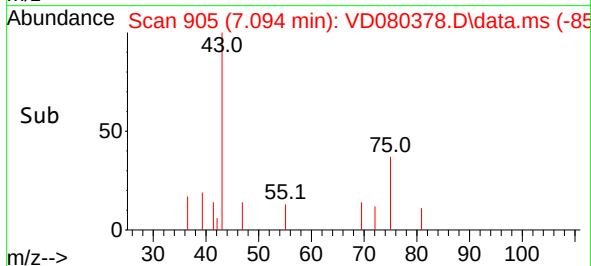
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion: 43 Resp: 5415
Ion Ratio Lower Upper
43 100
72 24.5 22.3 33.5

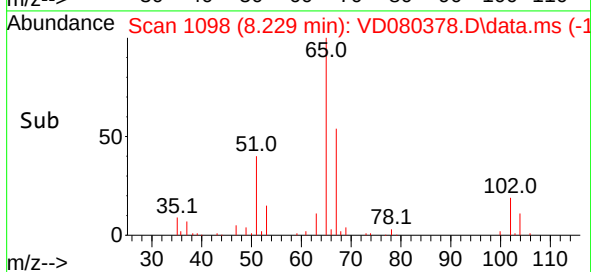
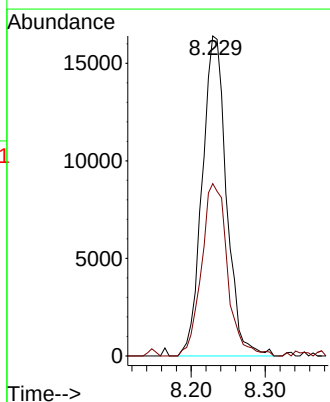
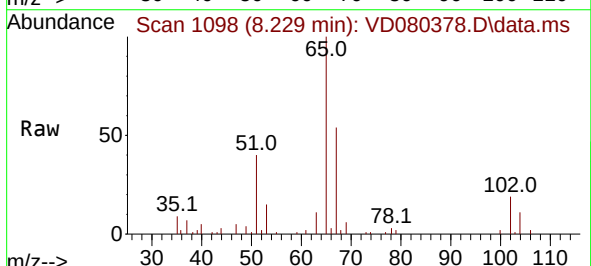
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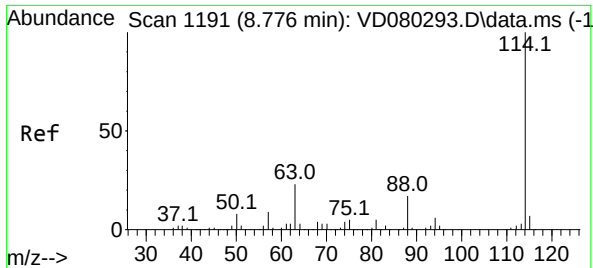
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#33
1,2-Dichloroethane-d4
Concen: 95.265 ug/l
RT: 8.229 min Scan# 1098
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion: 65 Resp: 37355
Ion Ratio Lower Upper
65 100
67 57.4 0.0 109.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.782 min Scan# 1191

Delta R.T. 0.007 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

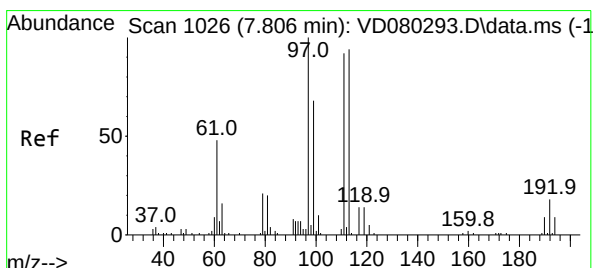
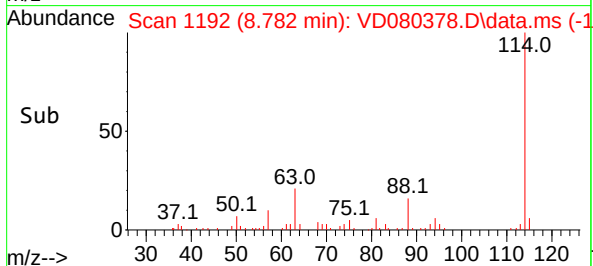
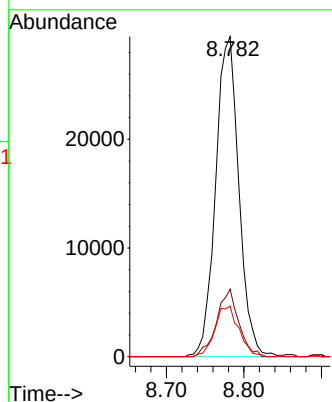
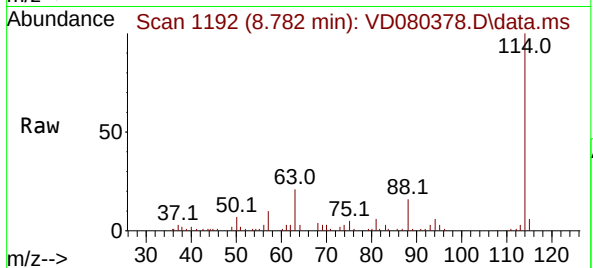
MOO-25-0148

Tgt Ion:	114	Resp:	61360
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	38.8
88	15.8	0.0	30.6

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Supervised By :Semsettin Yesilyurt 05/19/2025



#35

Dibromofluoromethane

Concen: 88.288 ug/l

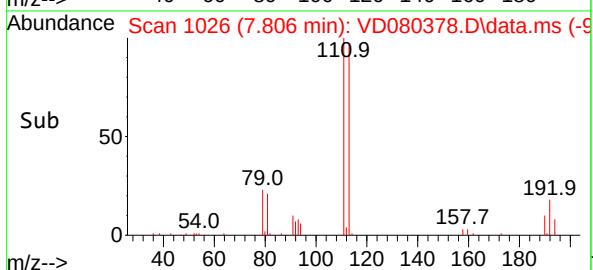
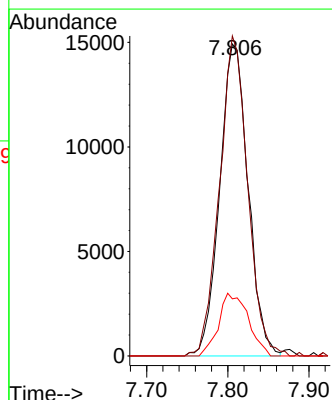
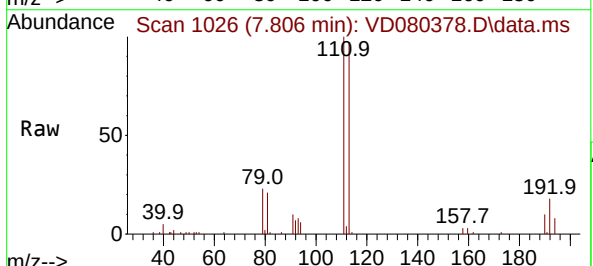
RT: 7.806 min Scan# 1026

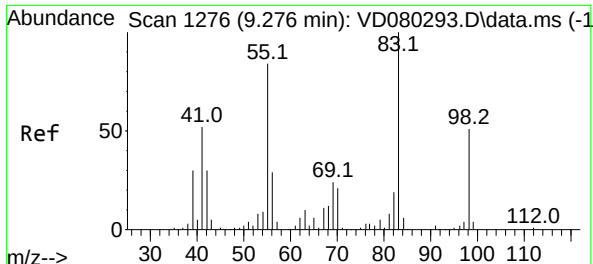
Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Tgt Ion:	113	Resp:	36309
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.5	123.7
192	21.0	16.6	25.0





#39

Methylcyclohexane

Concen: 13.269 ug/l

RT: 9.276 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

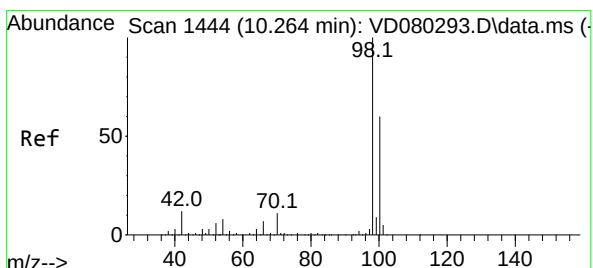
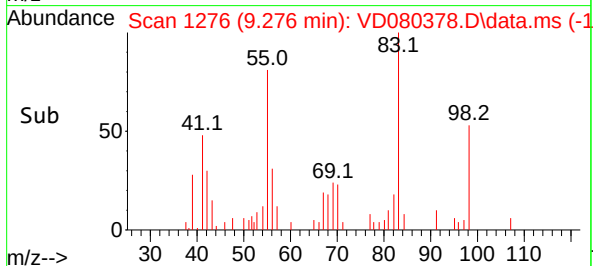
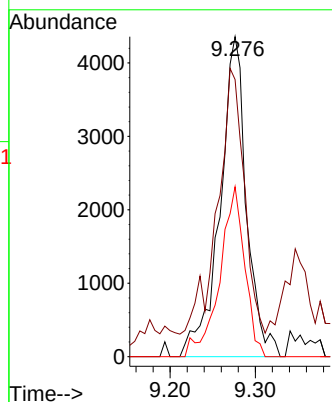
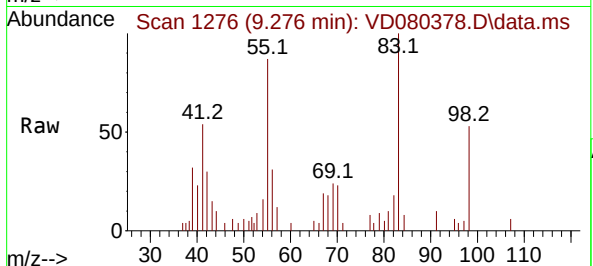
MOO-25-0148

Tgt Ion: 83	Resp: 946
Ion Ratio	Lower Upper
83	100
55	79.6 62.0 93.0
98	53.1 38.7 58.1

Manual Integrations

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Supervised By :Semsettin Yesilyurt 05/19/2025



#50

Toluene-d8

Concen: 17.997 ug/l

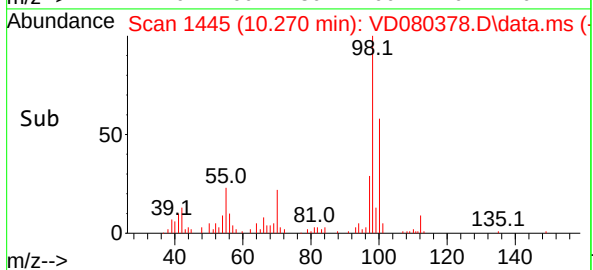
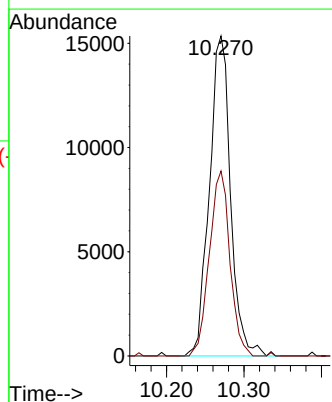
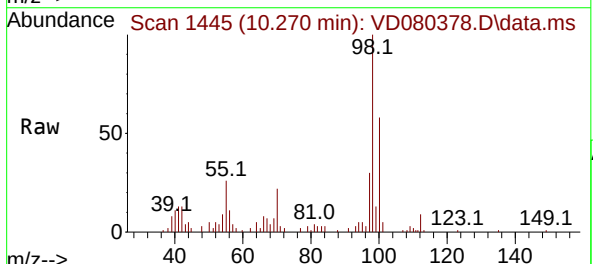
RT: 10.270 min Scan# 1445

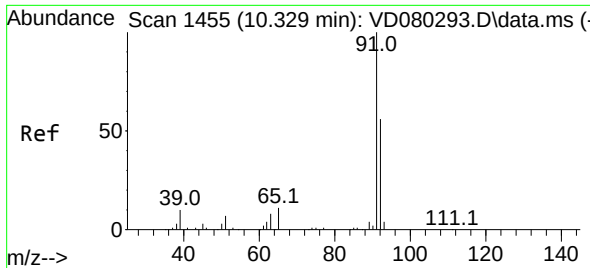
Delta R.T. 0.001 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

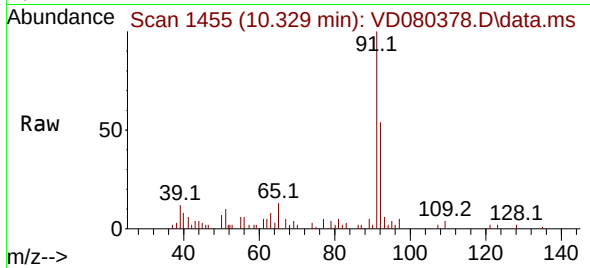
Tgt Ion: 98	Resp: 29162
Ion Ratio	Lower Upper
98	100
100	56.1 50.2 75.4





#52
Toluene
Concen: 9.523 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

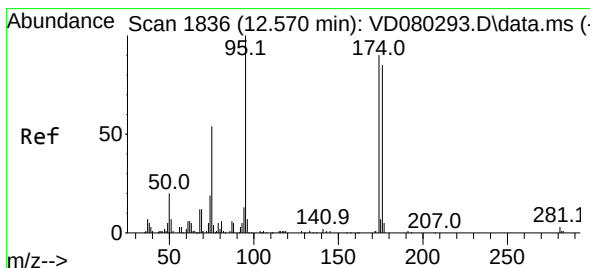
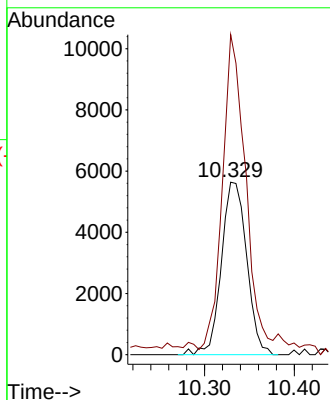
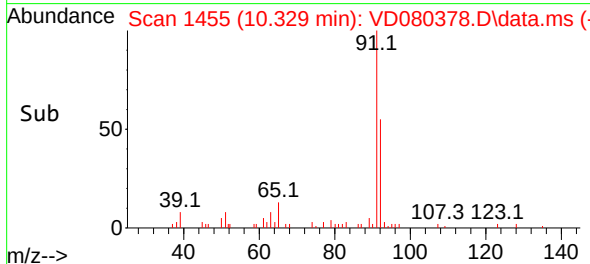
Instrument : MSVOA_D
ClientSampleId : MOO-25-0148



Tgt Ion: 92 Resp: 11049
Ion Ratio Lower Upper
92 100
91 165.2 139.3 208.9

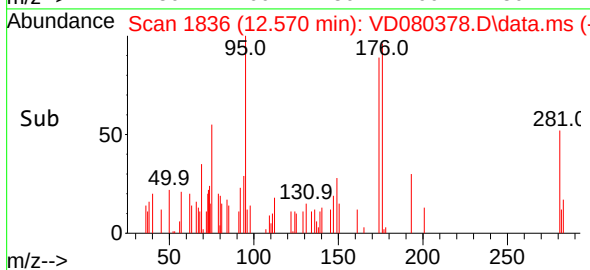
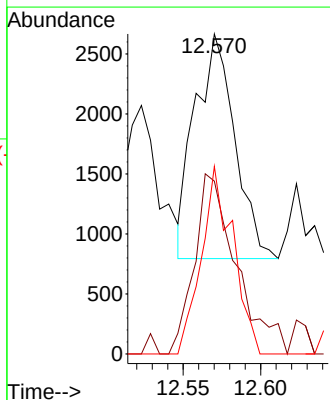
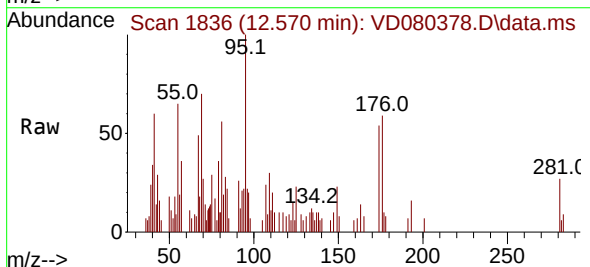
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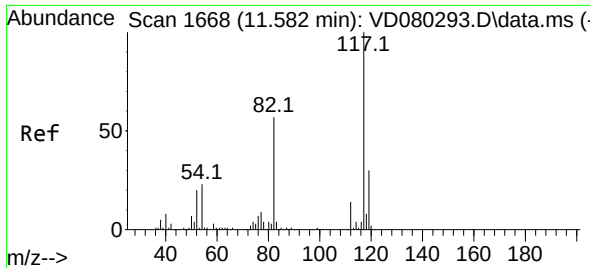
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#62
4-Bromofluorobenzene
Concen: 6.441 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

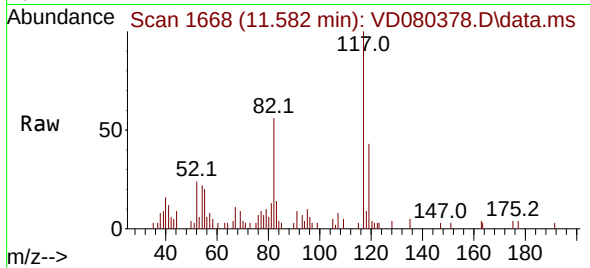
Tgt Ion: 95 Resp: 3350
Ion Ratio Lower Upper
95 100
174 84.1 0.0 173.4
176 65.9 0.0 166.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

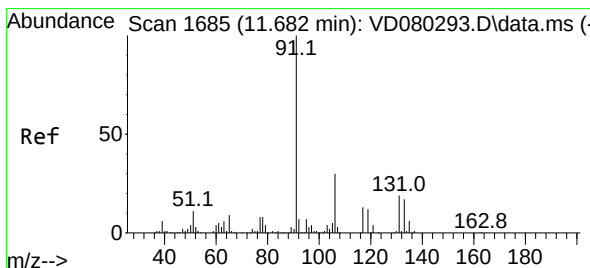
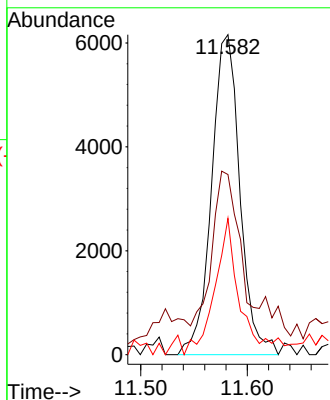
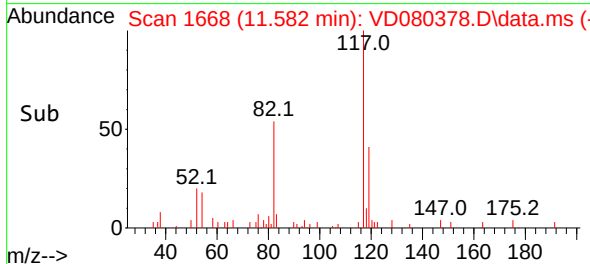
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion: 117 Resp: 1137
Ion Ratio Lower Upper
117 100
82 45.0 45.8 68.6
119 37.3 26.2 39.2

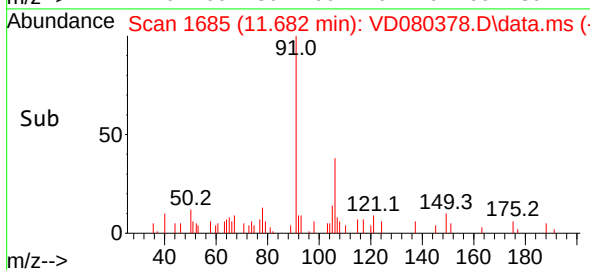
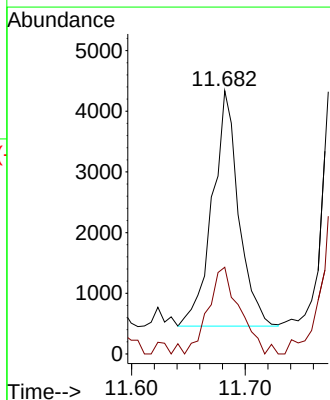
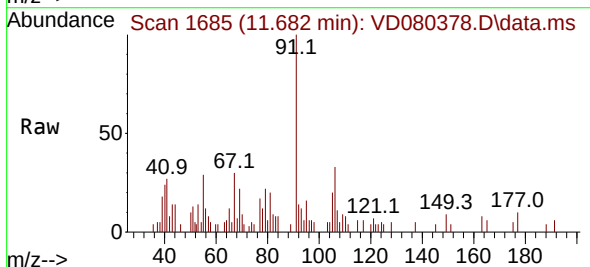
Manual Integrations
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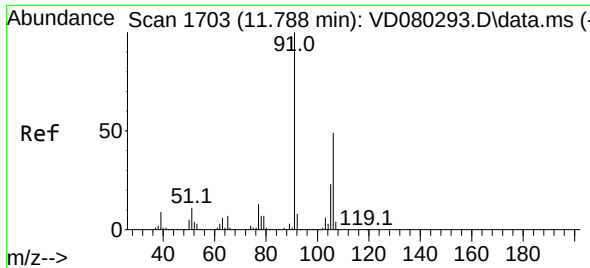
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#67
Ethyl Benzene
Concen: 14.564 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

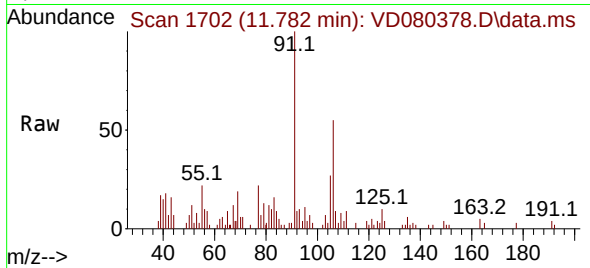
Tgt Ion: 91 Resp: 6252
Ion Ratio Lower Upper
91 100
106 32.4 23.6 35.4





#68
m/p-Xylenes
Concen: 52.818 ug/l
RT: 11.782 min Scan# 1702
Delta R.T. -0.011 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

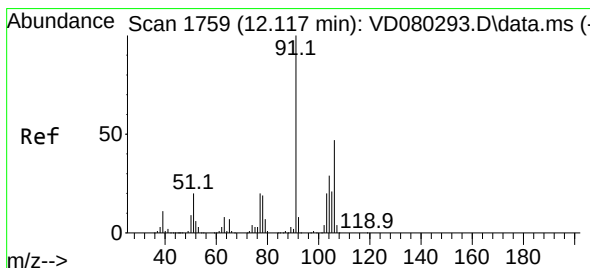
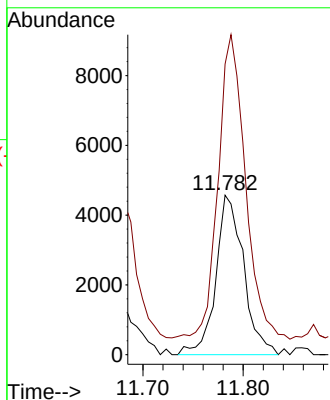
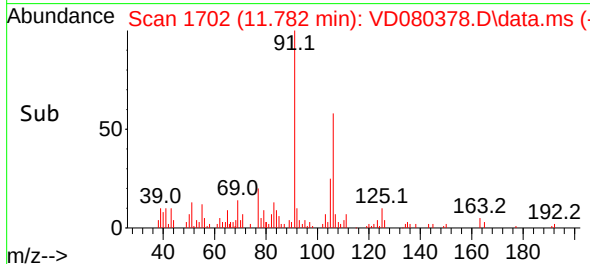
Instrument :
MSVOA_D
ClientSampleId :
MOO-25-0148



Tgt Ion:106 Resp: 8804
Ion Ratio Lower Upper
106 100
91 188.0 162.6 244.0

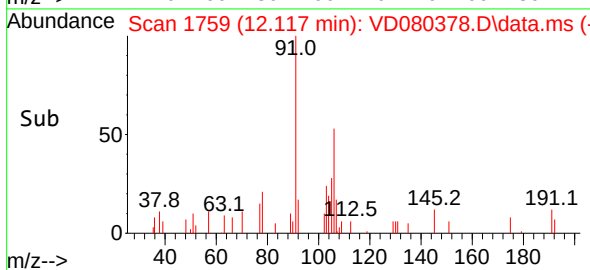
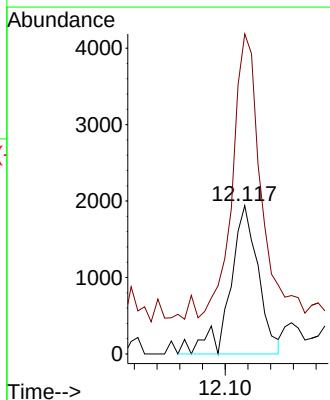
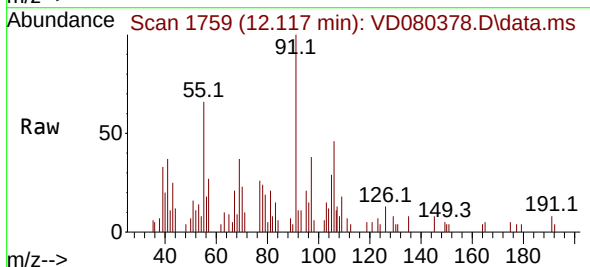
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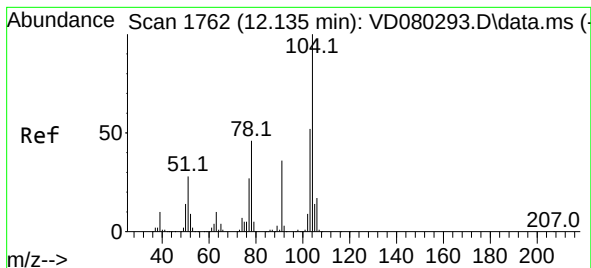
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#69
o-Xylene
Concen: 22.086 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:106 Resp: 3364
Ion Ratio Lower Upper
106 100
91 191.6 110.5 331.5





#70

Styrene

Concen: 10.881 ug/l

RT: 12.141 min Scan# 1763

Delta R.T. 0.007 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Instrument :

MSVOA_D

ClientSampleId :

MOO-25-0148

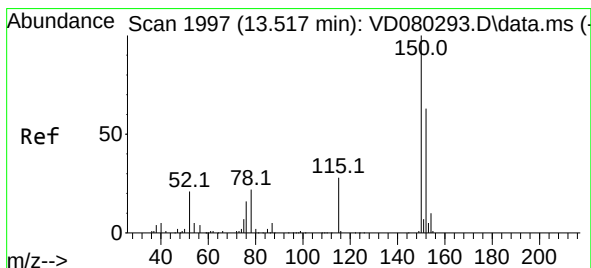
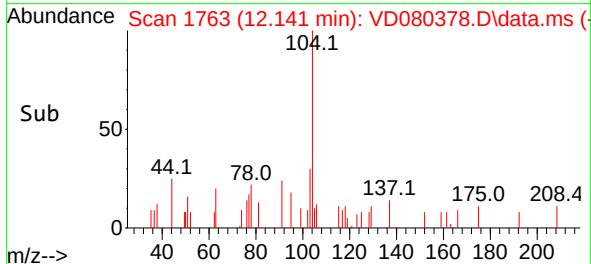
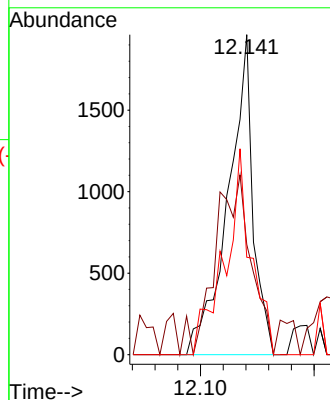
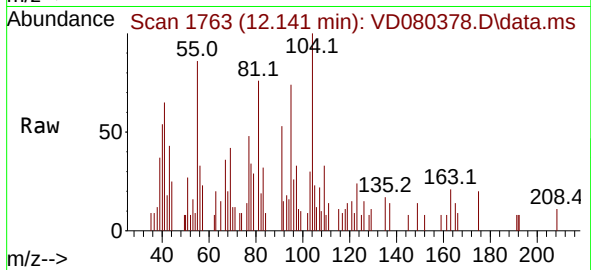
Tgt Ion:	104	Resp:	2970
Ion Ratio	Lower	Upper	
104	100		
78	79.3	39.8	59.8
103	68.3	45.2	67.8

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Reviewed By :Mahesh Dadoda 05/19/2025

Supervised By :Semsettin Yesilyurt 05/19/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l m

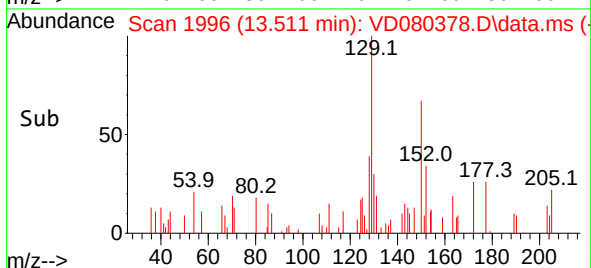
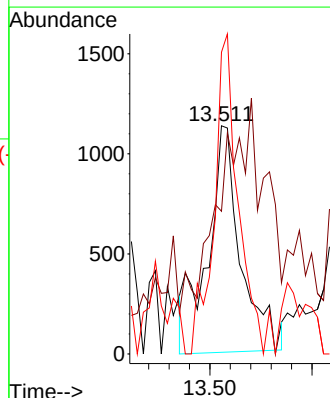
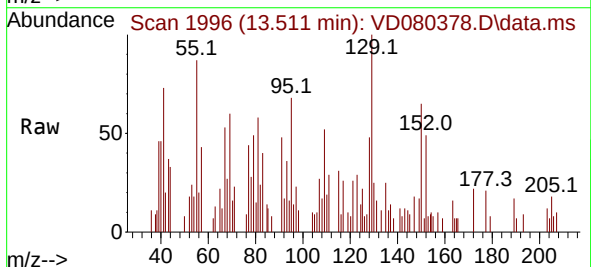
RT: 13.511 min Scan# 1996

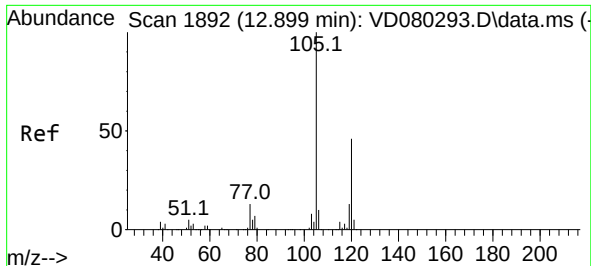
Delta R.T. -0.005 min

Lab File: VD080378.D

Acq: 16 May 2025 18:11

Tgt Ion:	152	Resp:	2562
Ion Ratio	Lower	Upper	
152	100		
115	10.3	28.9	86.8
150	26.9	0.0	354.8





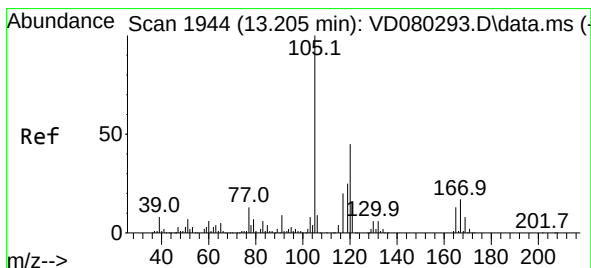
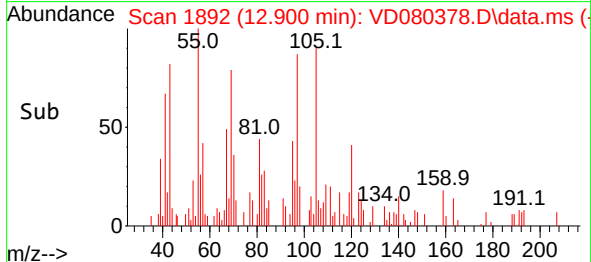
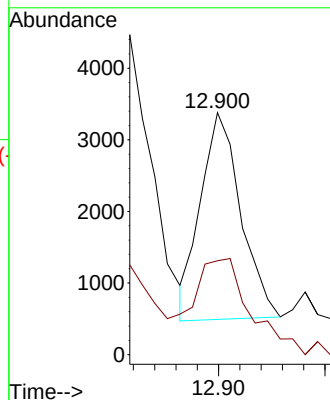
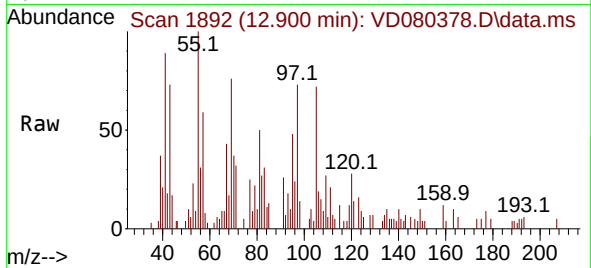
#80
1,3,5-Trimethylbenzene
Concen: 26.667 ug/l
RT: 12.900 min Scan# 1892
Delta R.T. -0.005 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Instrument : MSVOA_D
ClientSampleId : MOO-25-0148

Tgt Ion:105 Resp: 3780
Ion Ratio Lower Upper
105 100
120 67.5 25.0 75.0

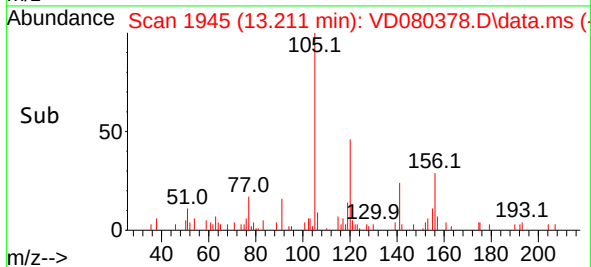
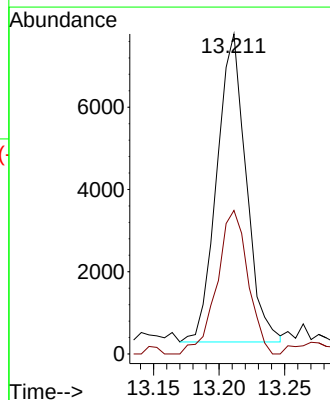
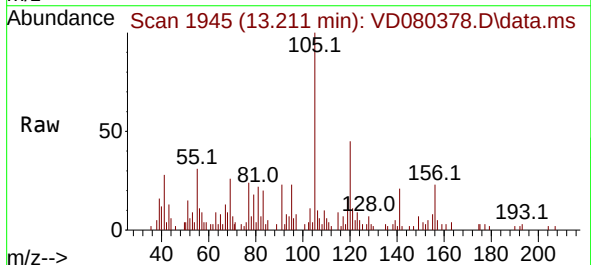
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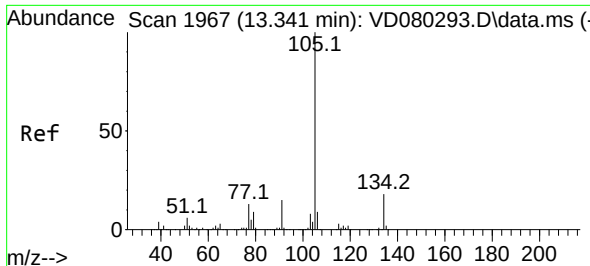
Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 80.327 ug/l
RT: 13.211 min Scan# 1945
Delta R.T. 0.001 min
Lab File: VD080378.D
Acq: 16 May 2025 18:11

Tgt Ion:105 Resp: 11650
Ion Ratio Lower Upper
105 100
120 49.1 22.8 68.4





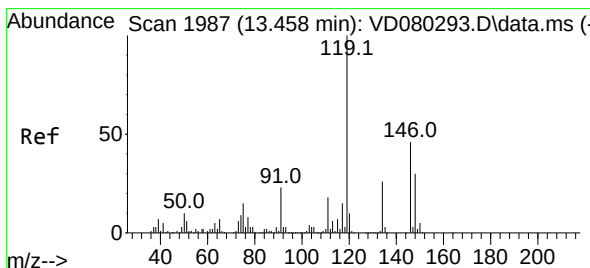
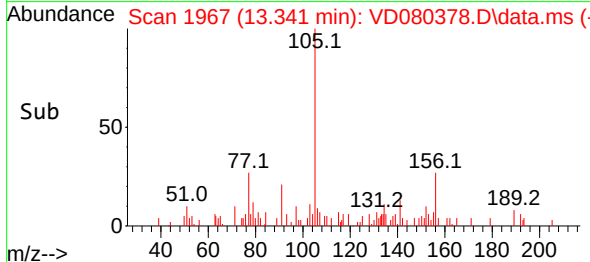
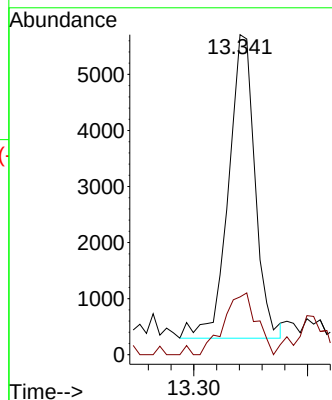
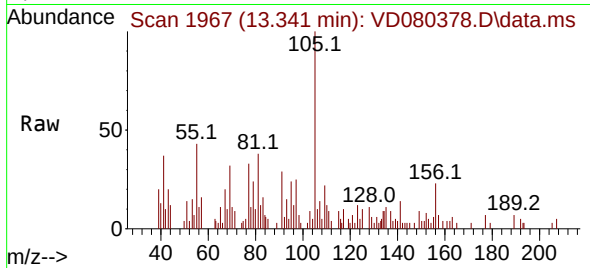
#85
 sec-Butylbenzene
 Concen: 48.309 ug/l
 RT: 13.341 min Scan# 1967
 Delta R.T. 0.001 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

Instrument : MSVOA_D
 ClientSampleId : MOO-25-0148

Tgt Ion:105 Resp: 881
 Ion Ratio Lower Upper
 105 100
 134 24.8 9.8 29.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/19/2025
 Supervised By :Semsettin Yesilyurt 05/19/2025



#86
 p-Isopropyltoluene
 Concen: 12.818 ug/l
 RT: 13.458 min Scan# 1987
 Delta R.T. 0.001 min
 Lab File: VD080378.D
 Acq: 16 May 2025 18:11

Tgt Ion:119 Resp: 1965
 Ion Ratio Lower Upper
 119 100
 134 63.9 13.1 39.1#
 91 36.0 12.2 36.4

