

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077139.D
 Acq On : 18 Sep 2023 19:36
 Operator : JC/SY
 Sample : 04436-09
 Misc : 5.26G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B102-08(5-5.5)

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 04:59:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	198949	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	502878	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.587	117	444745	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	640754	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90263	44.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.920%		
35) Dibromofluoromethane	7.805	113	119964	34.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	68.680%		
50) Toluene-d8	10.275	98	6451864	518.936	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	1037.880%#		
62) 4-Bromofluorobenzene	12.575	95	1848041	479.575	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	959.140%#		
Target Compounds					Qvalue	
16) Acetone	4.011	43	258983	564.366	ug/l #	51
17) Carbon Disulfide	4.269	76	79108	10.383	ug/l	99
31) Cyclohexane	7.887	56	24461196	6963.780	ug/l	97
39) Methylcyclohexane	9.263	83	37209750m	6147.738	ug/l	
40) Benzene	8.252	78	2158203	132.607	ug/l	100
52) Toluene	10.340	92	314765	30.232	ug/l #	67
65) Chlorobenzene	11.610	112	3950077	377.553	ug/l	97
67) Ethyl Benzene	11.693	91	1901485	105.736	ug/l	94
68) m/p-Xylenes	11.798	106	536612	74.526	ug/l #	66
73) Isopropylbenzene	12.422	105	16562838	349.830	ug/l	93
78) n-propylbenzene	12.757	91	22277684m	384.952	ug/l	
84) 1,2,4-Trimethylbenzene	13.216	105	323742m	8.074	ug/l	
85) sec-Butylbenzene	13.351	105	8063770	159.074	ug/l #	67
86) p-Isopropyltoluene	13.463	119	826359m	19.216	ug/l	
89) n-Butylbenzene	13.792	91	9385908	236.595	ug/l #	77
95) Naphthalene	15.334	128	970456	41.266	ug/l	96

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

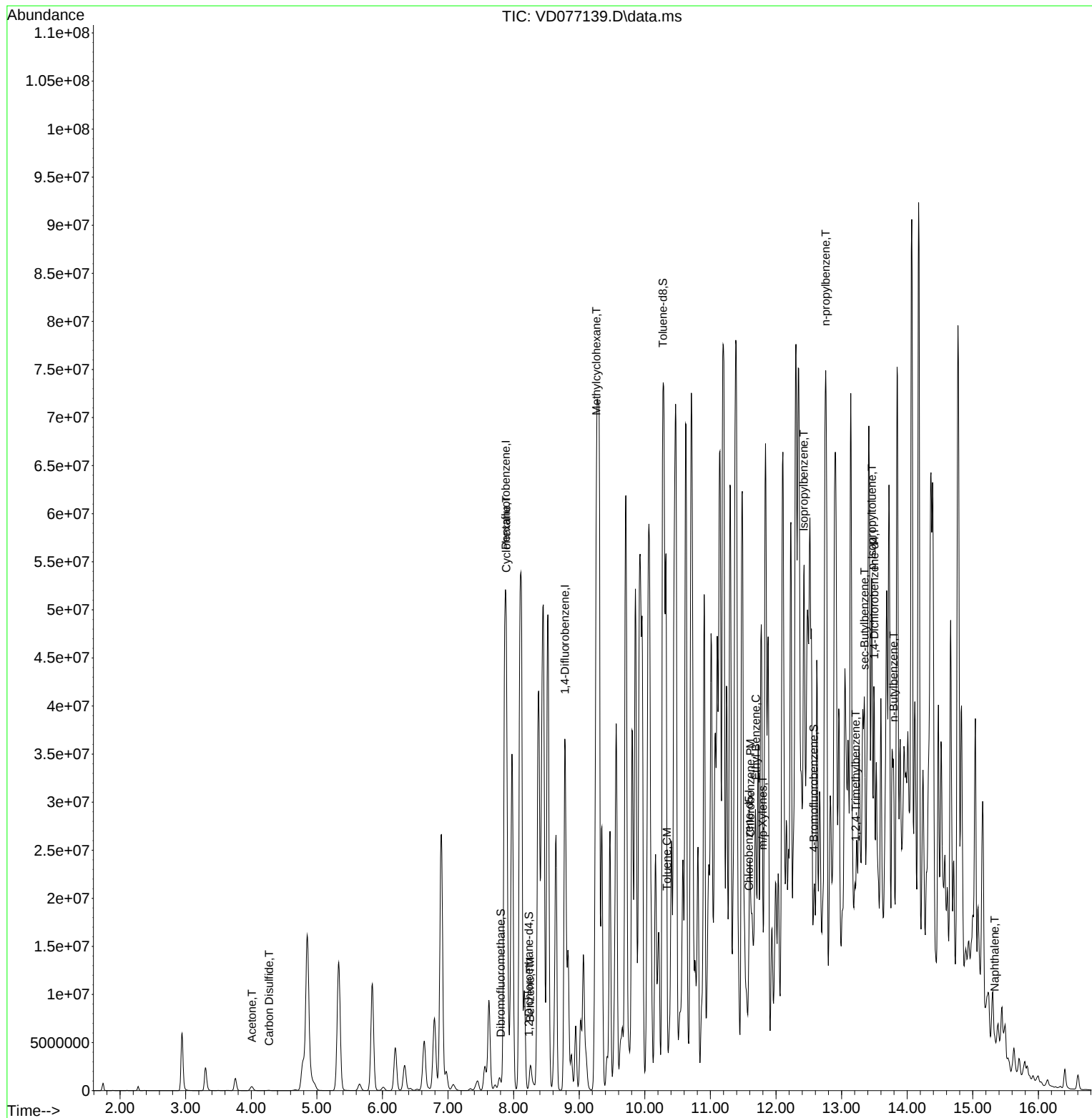
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
Data File : VD077139.D
Acq On : 18 Sep 2023 19:36
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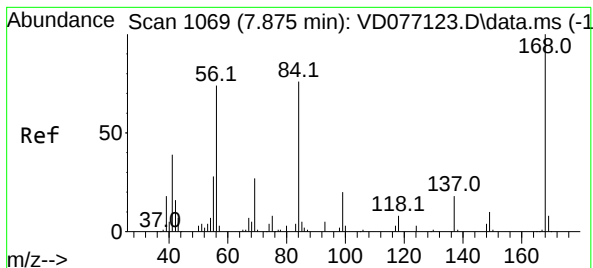
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)

Quant Time: Sep 19 04:59:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

B102-08(5-5.5)

Tgt Ion:168 Resp: 198949

Ion Ratio Lower Upper

168 100

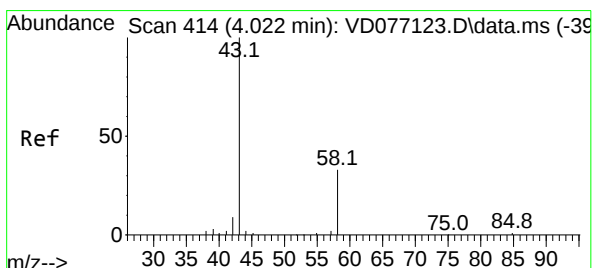
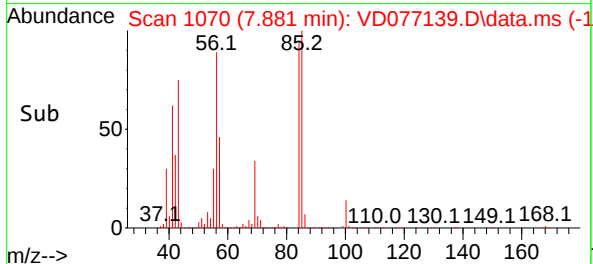
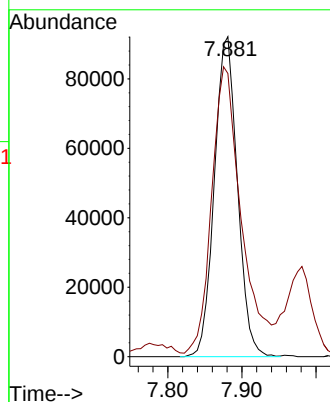
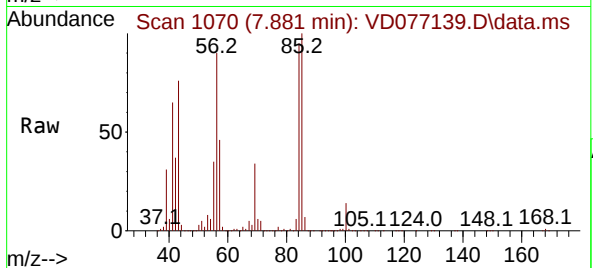
99 87.3 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#16

Acetone

Concen: 564.366 ug/l

RT: 4.011 min Scan# 412

Delta R.T. -0.012 min

Lab File: VD077139.D

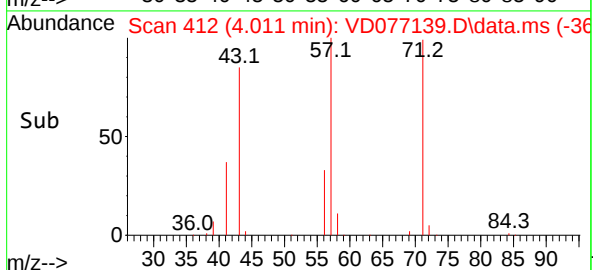
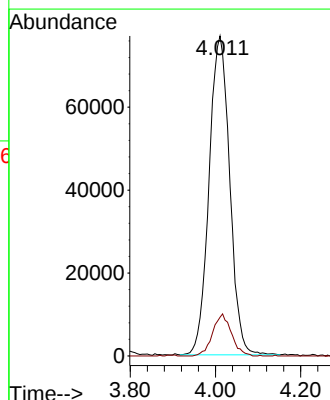
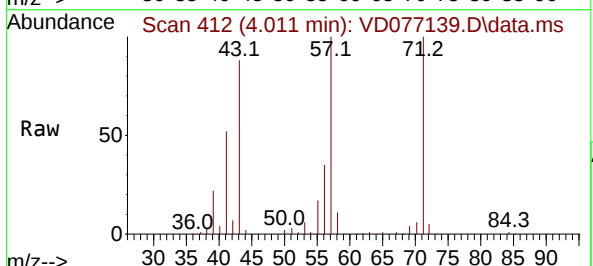
Acq: 18 Sep 2023 19:36

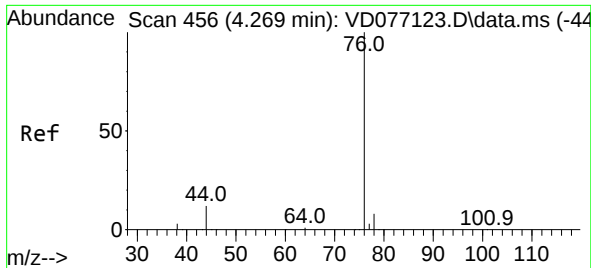
Tgt Ion: 43 Resp: 258983

Ion Ratio Lower Upper

43 100

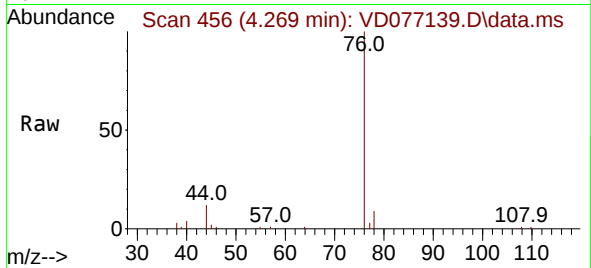
58 12.1 34.7 52.1





#17
Carbon Disulfide
Concen: 10.383 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

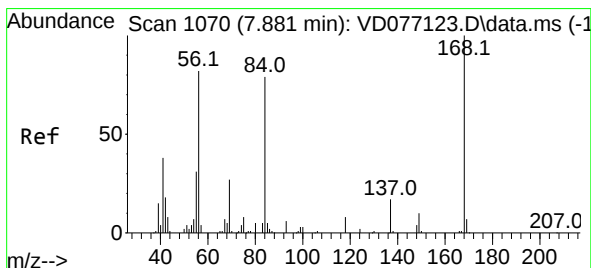
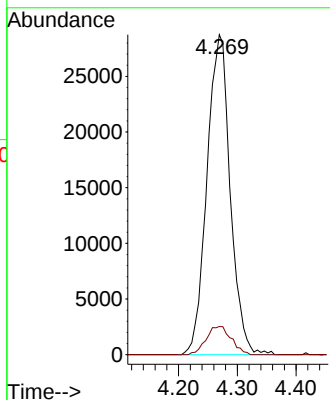
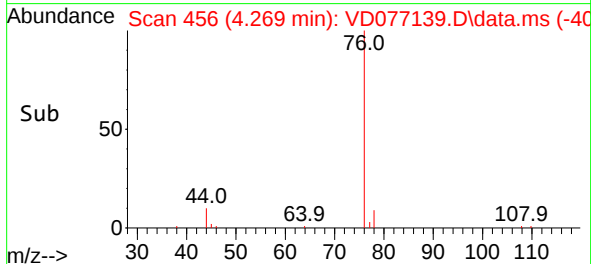
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



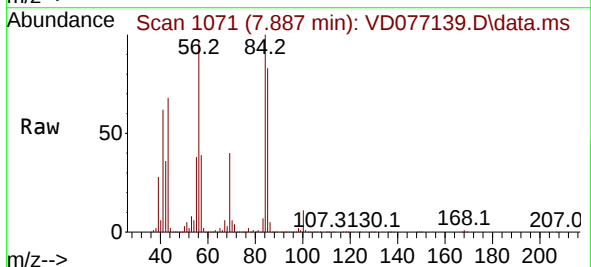
Tgt Ion: 76 Resp: 79108
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2

Manual Integrations
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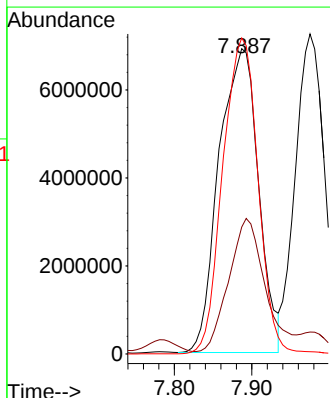
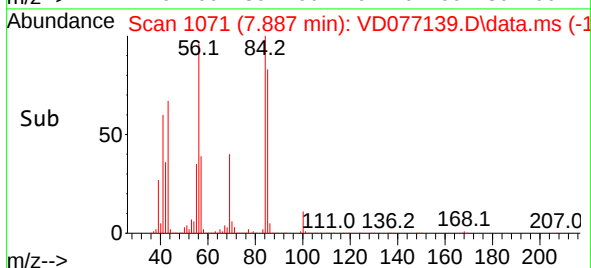
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

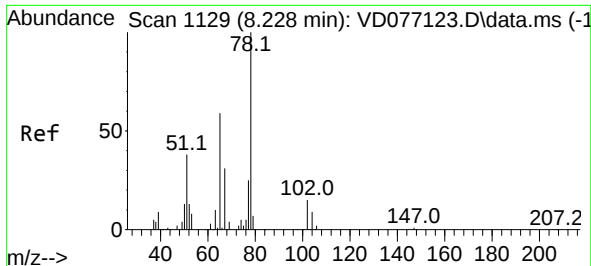


#31
Cyclohexane
Concen: 6963.780 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36



Tgt Ion: 56 Resp:24461196
Ion Ratio Lower Upper
56 100
69 39.1 28.6 43.0
84 103.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 44.956 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

B102-08(5-5.5)

Tgt Ion: 65 Resp: 90263

Ion Ratio Lower Upper

65 100

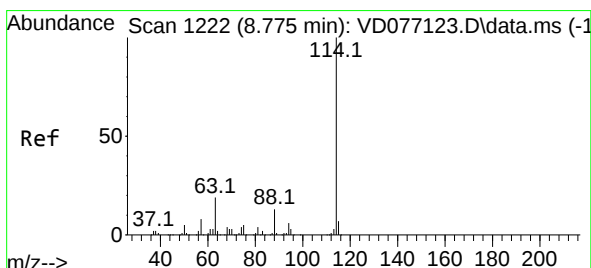
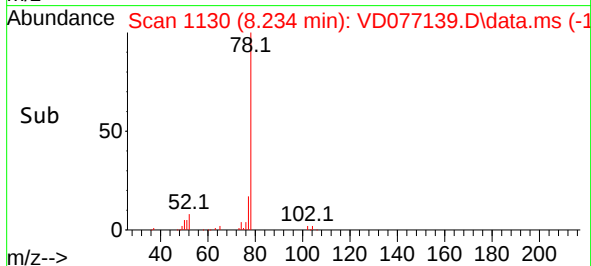
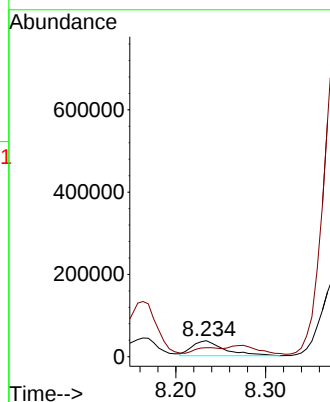
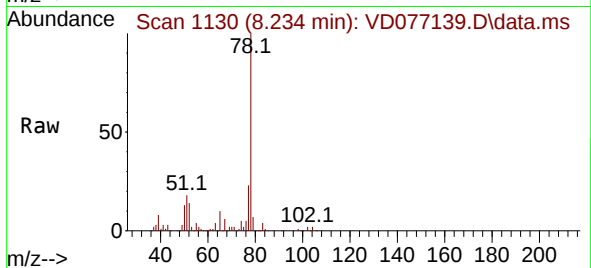
67 0.0 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

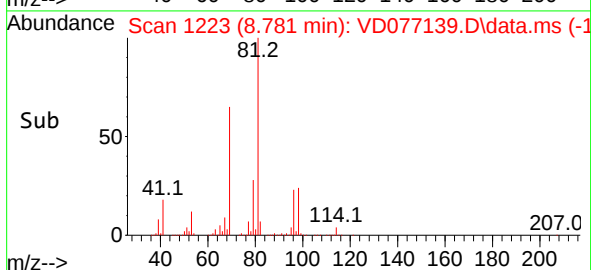
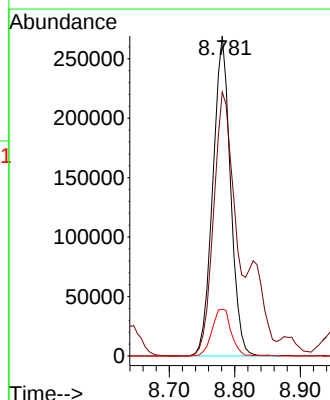
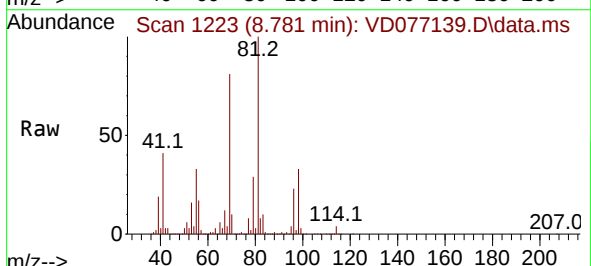
Tgt Ion:114 Resp: 502878

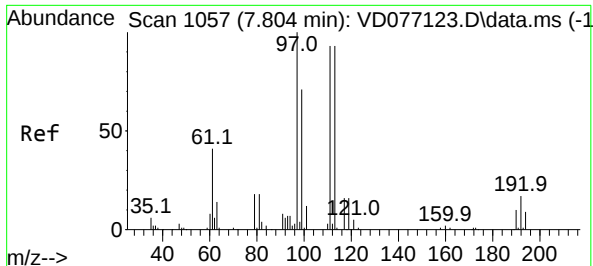
Ion Ratio Lower Upper

114 100

63 82.5 0.0 33.4#

88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 34.345 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

Instrument :

MSVOA_D

ClientSampleId :

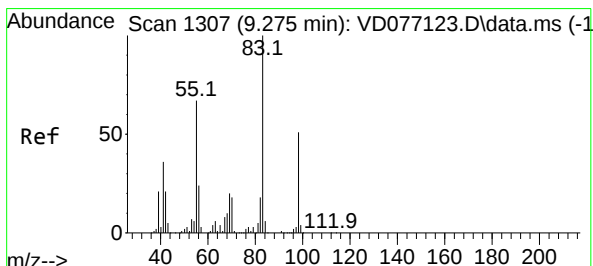
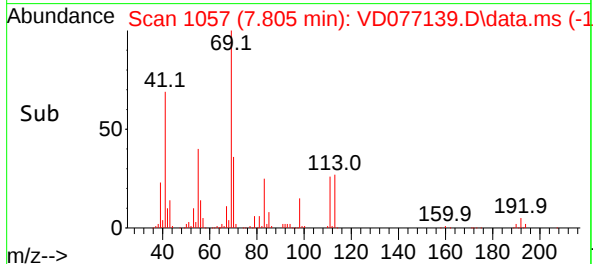
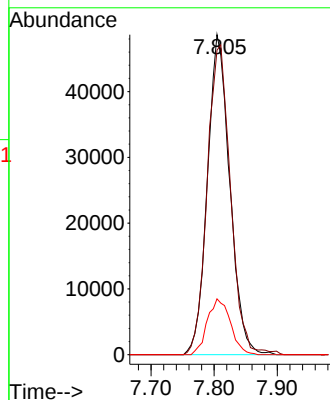
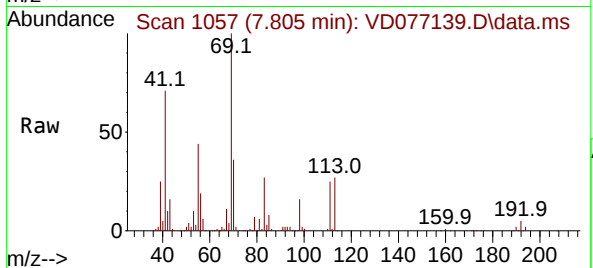
B102-08(5-5.5)

Tgt Ion:	113	Resp:	119964
Ion Ratio	Lower	Upper	
113	100		
111	100.6	84.7	127.1
192	18.0	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#39

Methylcyclohexane

Concen: 6147.738 ug/l m

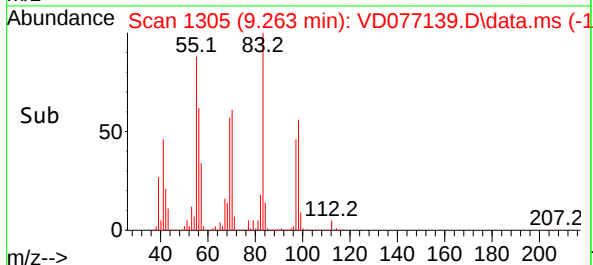
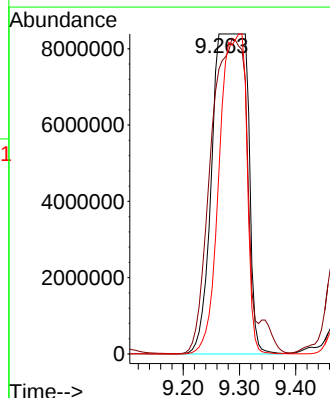
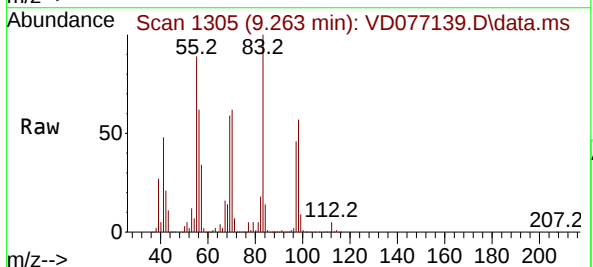
RT: 9.263 min Scan# 1305

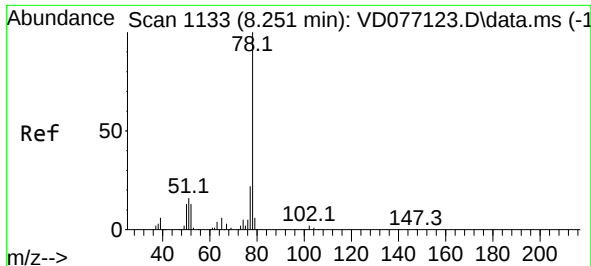
Delta R.T. -0.012 min

Lab File: VD077139.D

Acq: 18 Sep 2023 19:36

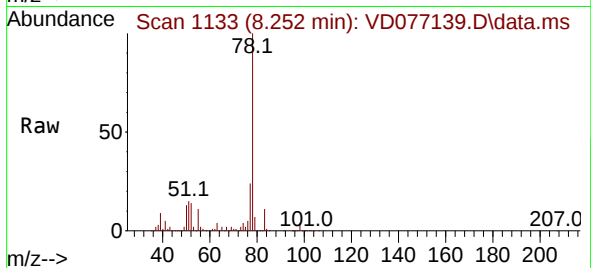
Tgt Ion:	83	Resp:	37209750
Ion Ratio	Lower	Upper	
83	100		
55	89.0	49.4	74.0#
98	56.9	38.4	57.6





#40
Benzene
Concen: 132.607 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

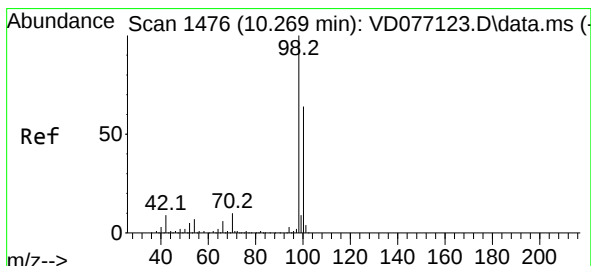
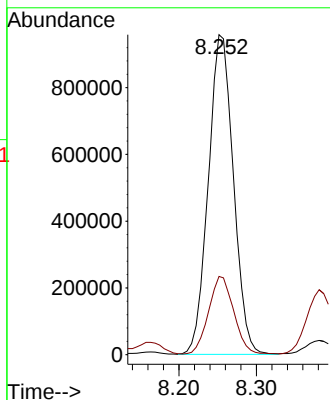
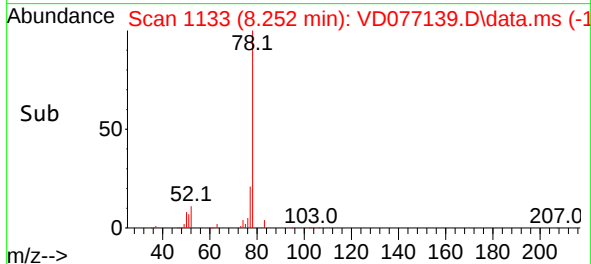
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



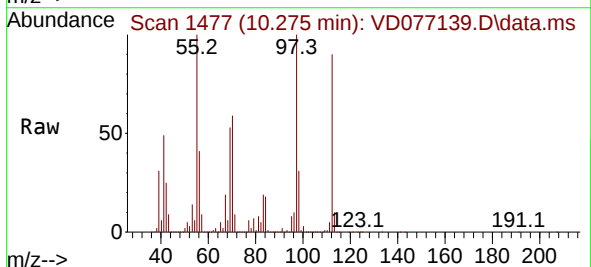
Tgt Ion: 78 Resp: 215820
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

Manual Integrations
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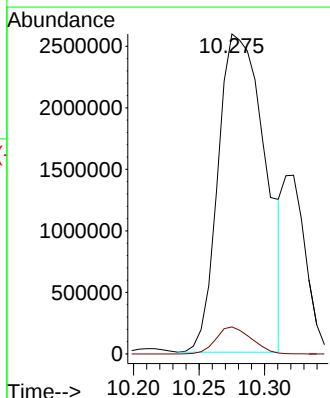
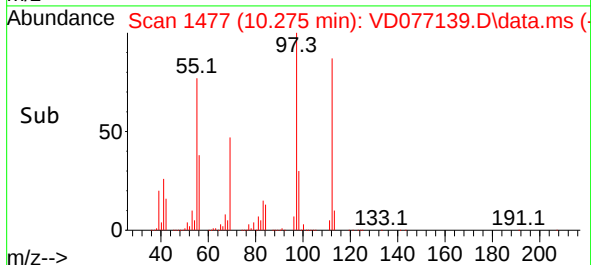
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

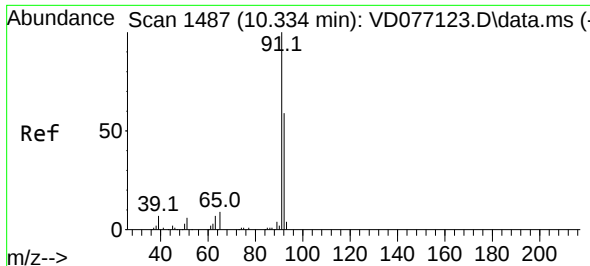


#50
Toluene-d8
Concen: 518.936 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36



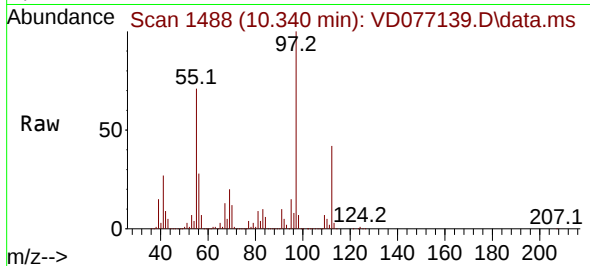
Tgt Ion: 98 Resp: 6451864
Ion Ratio Lower Upper
98 100
100 6.4 50.3 75.5#





#52
Toluene
Concen: 30.232 ug/l
RT: 10.340 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

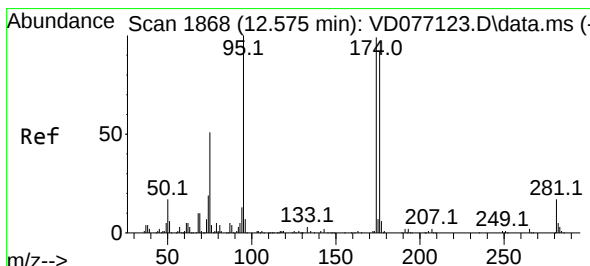
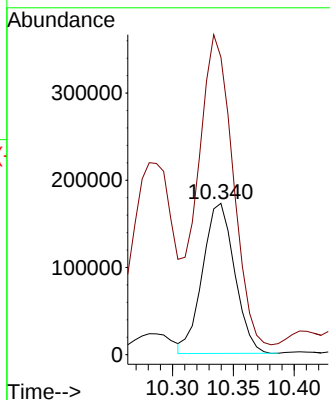
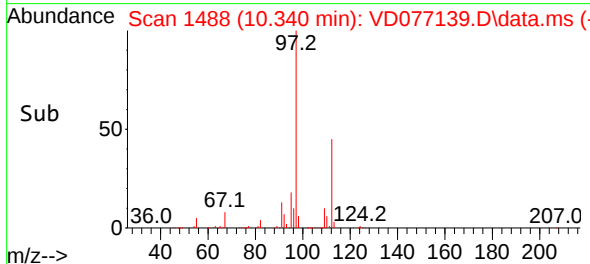
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



Tgt Ion: 92 Resp: 314768
Ion Ratio Lower Upper
92 100
91 225.9 143.0 214.4

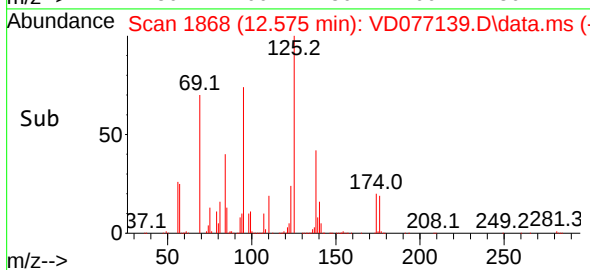
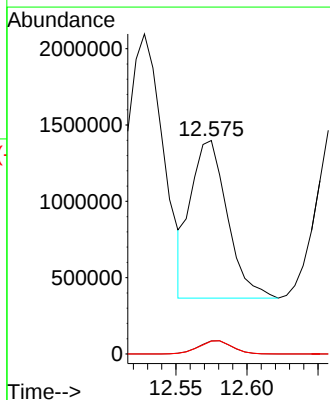
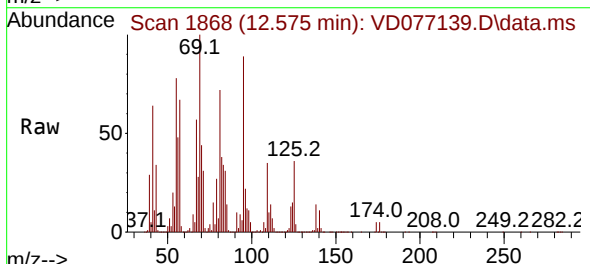
Manual Integrations
APPROVED

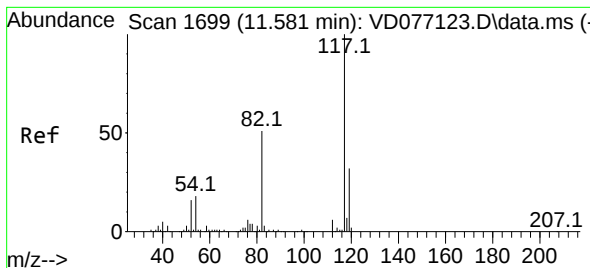
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#62
4-Bromofluorobenzene
Concen: 479.575 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

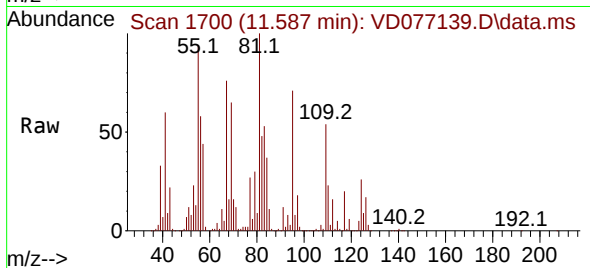
Tgt Ion: 95 Resp: 1848041
Ion Ratio Lower Upper
95 100
174 7.7 0.0 201.8
176 7.7 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

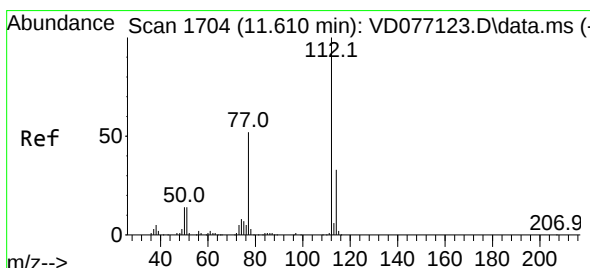
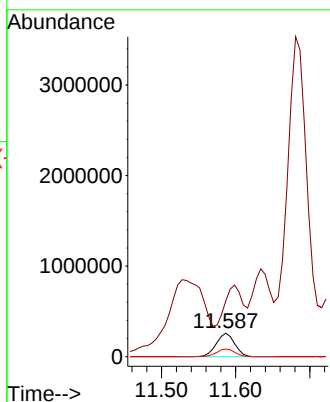
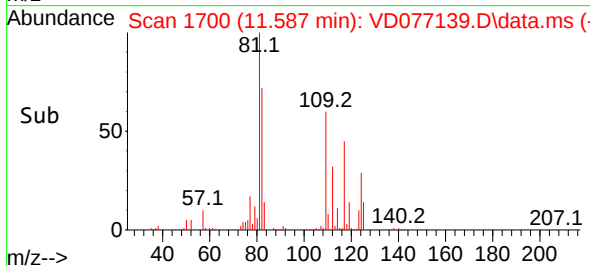
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



Tgt Ion:117 Resp: 444749
Ion Ratio Lower Upper
117 100
82 0.0 38.3 57.5
119 31.9 25.0 37.4

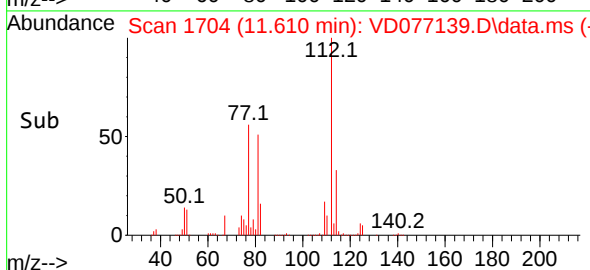
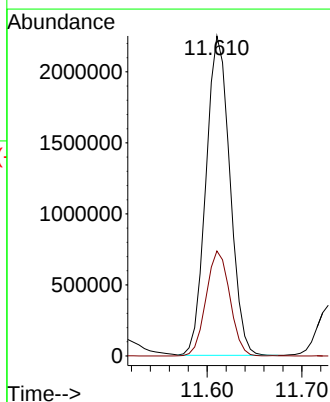
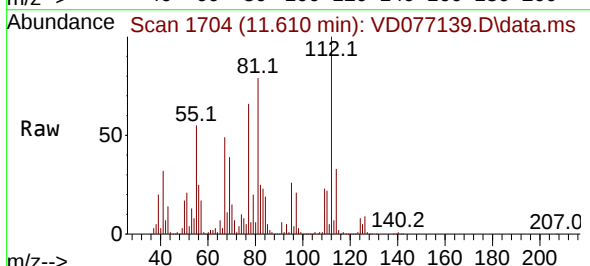
Manual Integrations
APPROVED

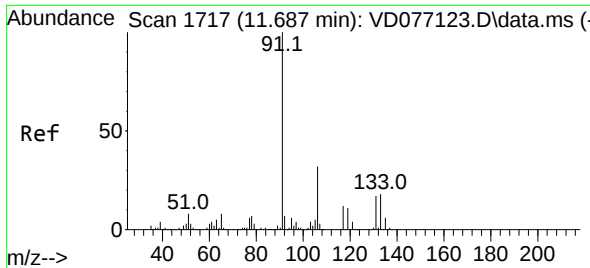
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#65
Chlorobenzene
Concen: 377.553 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion:112 Resp: 3950077
Ion Ratio Lower Upper
112 100
114 32.8 25.1 37.7





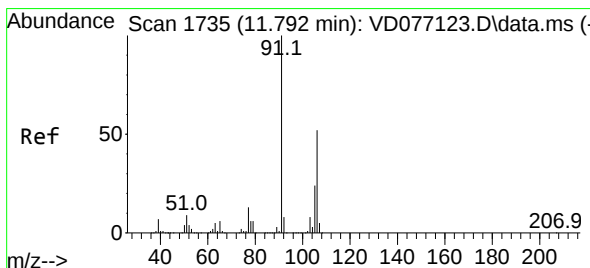
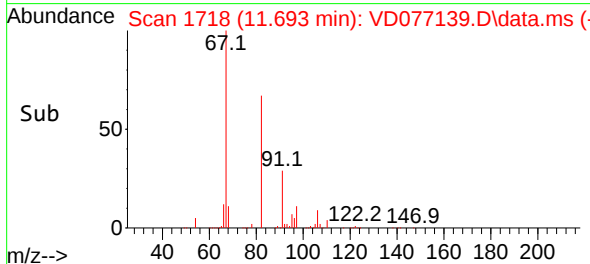
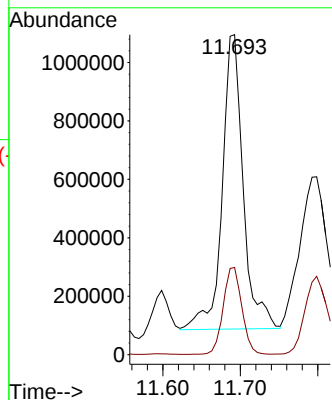
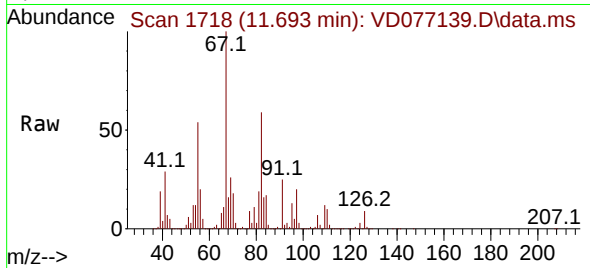
#67
Ethyl Benzene
Concen: 105.736 ug/l
RT: 11.693 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)

Tgt Ion: 91 Resp: 190148
Ion Ratio Lower Upper
91 100
106 29.6 26.5 39.7

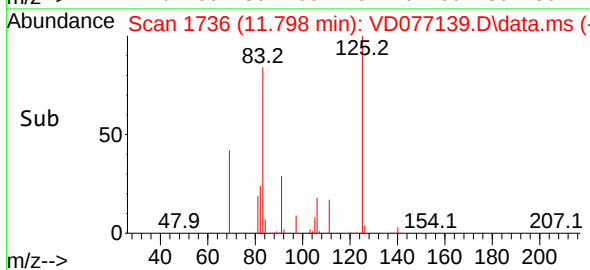
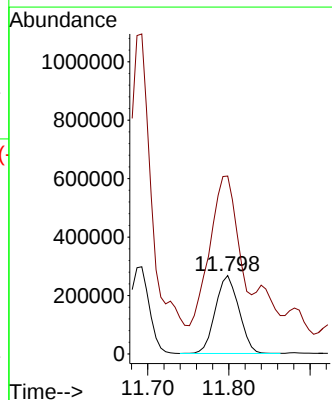
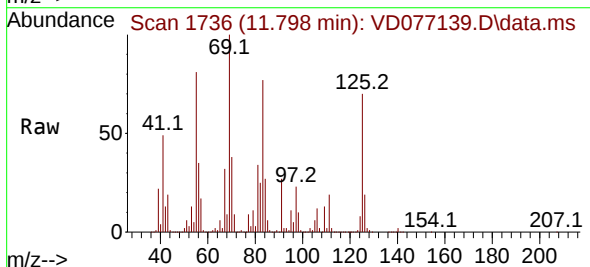
Manual Integrations
APPROVED

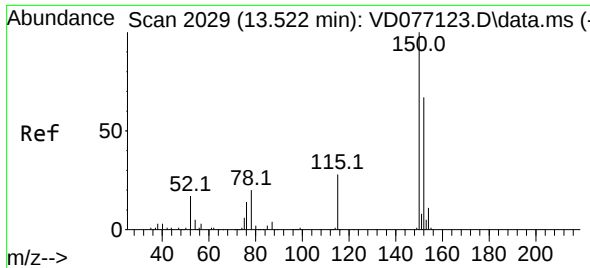
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#68
m/p-Xylenes
Concen: 74.526 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion:106 Resp: 536612
Ion Ratio Lower Upper
106 100
91 232.1 147.0 220.6#





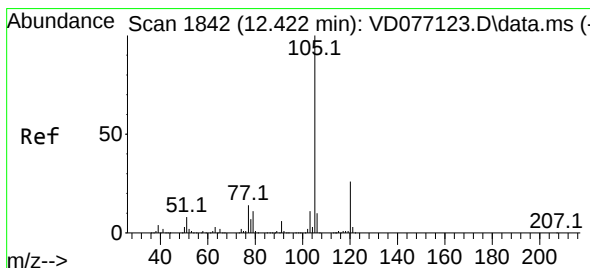
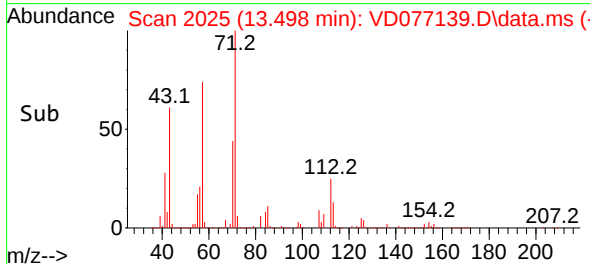
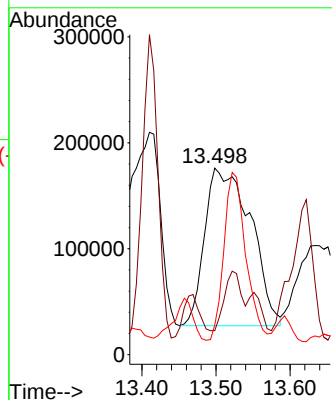
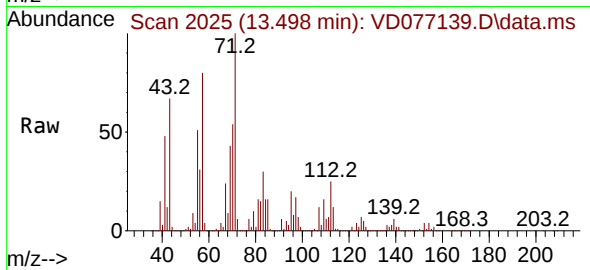
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.498 min Scan# 2025
Delta R.T. -0.023 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)

Tgt Ion:152 Resp: 640754
Ion Ratio Lower Upper
152 100
115 0.0 27.1 81.3
150 0.0 0.0 353.6

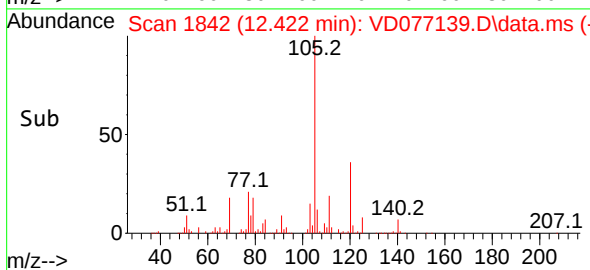
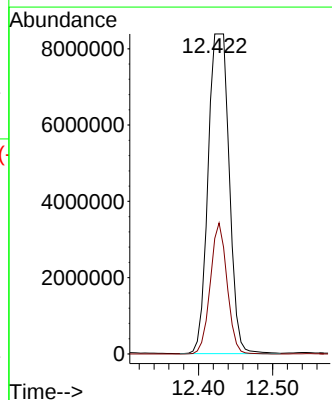
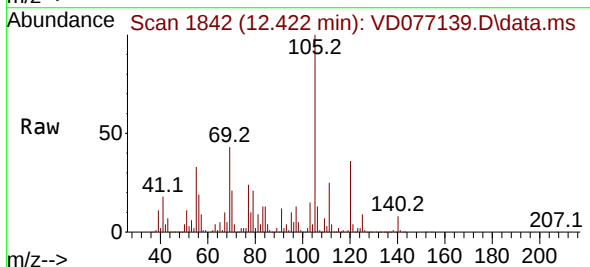
Manual Integrations
APPROVED

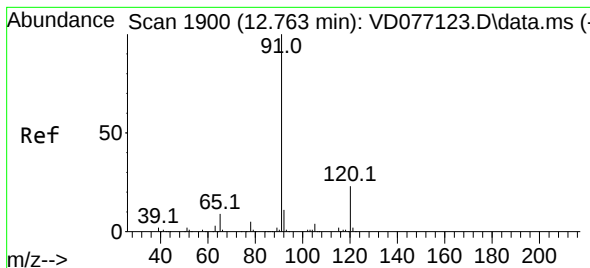
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#73
Isopropylbenzene
Concen: 349.830 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

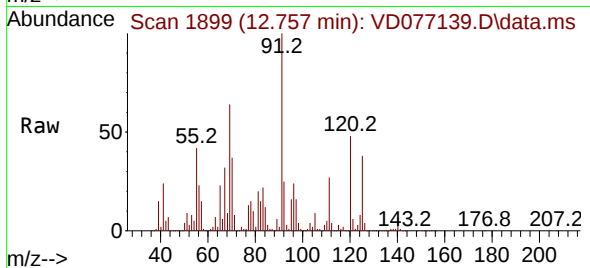
Tgt Ion:105 Resp:16562838
Ion Ratio Lower Upper
105 100
120 32.6 14.3 42.9





#78
n-propylbenzene
Concen: 384.952 ug/l m
RT: 12.757 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

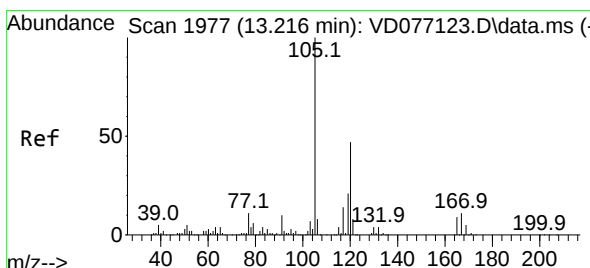
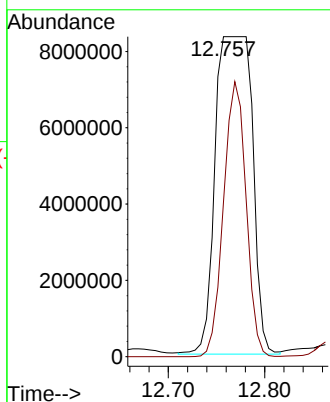
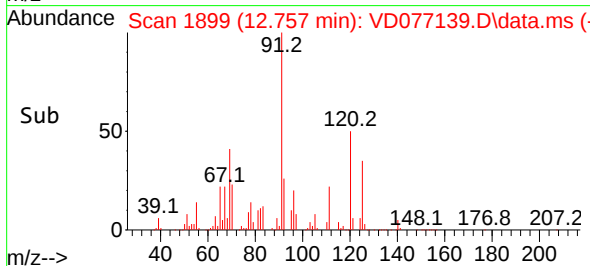
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



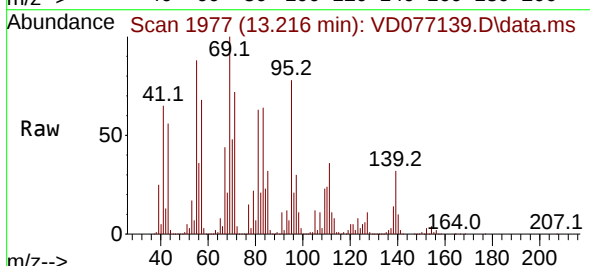
Tgt Ion: 91 Resp: 22277684
Ion Ratio Lower Upper
91 100
120 2.7 12.4 37.2

Manual Integrations
APPROVED

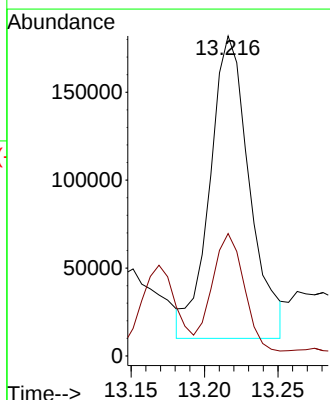
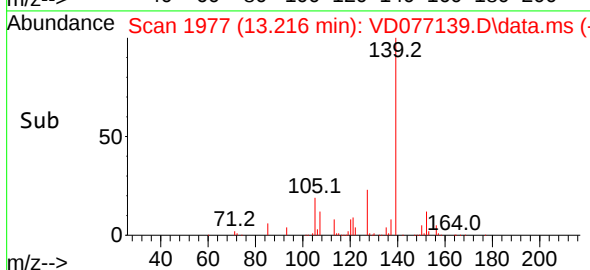
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

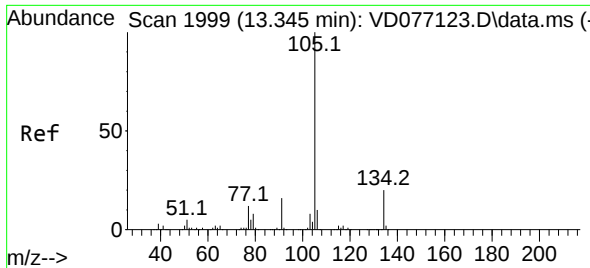


#84
1,2,4-Trimethylbenzene
Concen: 8.074 ug/l m
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36



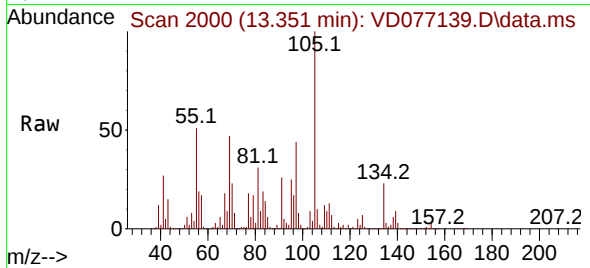
Tgt Ion: 105 Resp: 323742
Ion Ratio Lower Upper
105 100
120 1108.2 24.3 72.9#





#85
 sec-Butylbenzene
 Concen: 159.074 ug/l
 RT: 13.351 min Scan# 2000
 Delta R.T. 0.006 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

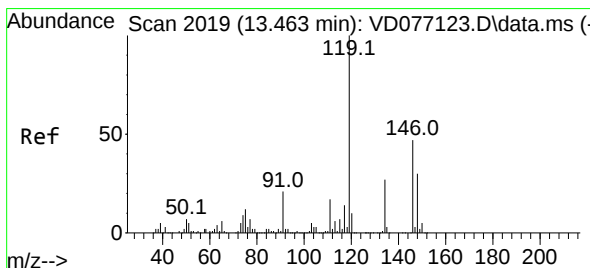
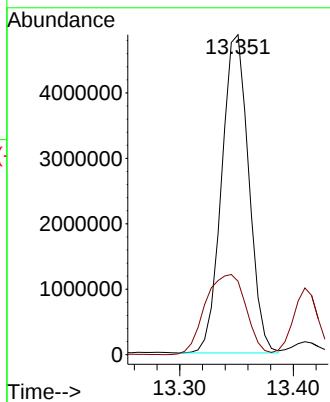
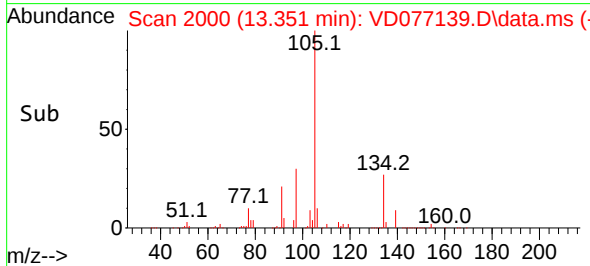
Instrument :
 MSVOA_D
 ClientSampleId :
 B102-08(5-5.5)



Tgt Ion:105 Resp: 8063770
 Ion Ratio Lower Upper
 105 100
 134 37.7 10.9 32.9

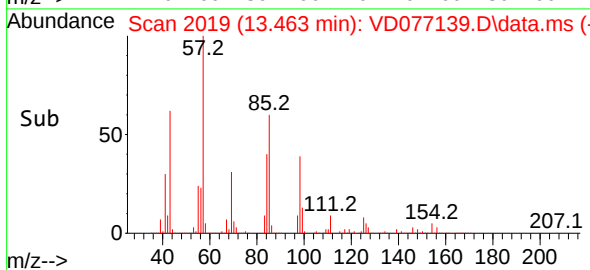
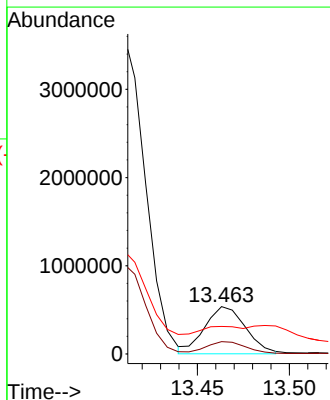
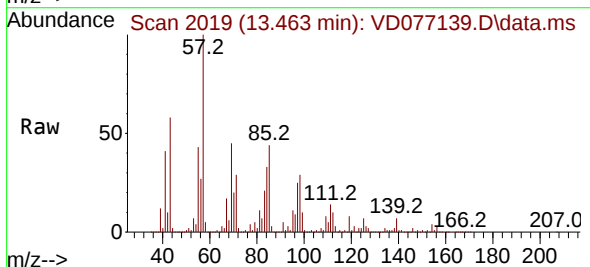
Manual Integrations
 APPROVED

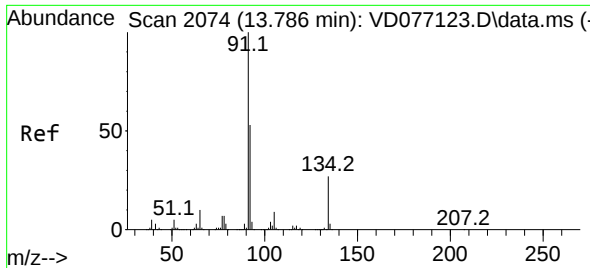
Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023



#86
 p-Isopropyltoluene
 Concen: 19.216 ug/l m
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077139.D
 Acq: 18 Sep 2023 19:36

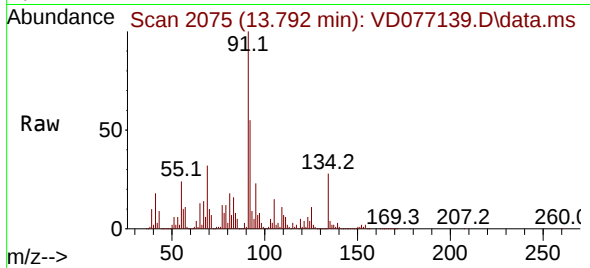
Tgt Ion:119 Resp: 826359
 Ion Ratio Lower Upper
 119 100
 134 185.6 14.2 42.6#
 91 176.2 10.5 31.5#





#89
n-Butylbenzene
Concen: 236.595 ug/l
RT: 13.792 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

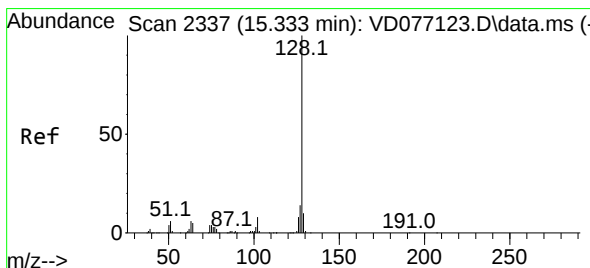
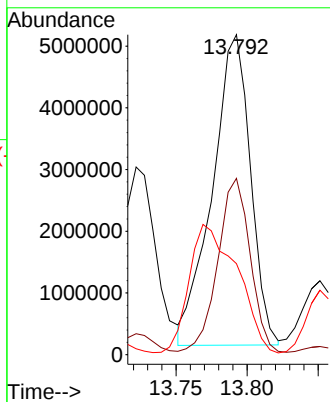
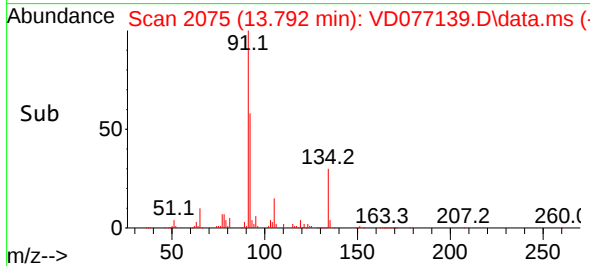
Instrument :
MSVOA_D
ClientSampleId :
B102-08(5-5.5)



Tgt Ion: 91 Resp: 9385908
Ion Ratio Lower Upper
91 100
92 47.4 26.5 79.5
134 0.0 13.8 41.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#95
Naphthalene
Concen: 41.266 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077139.D
Acq: 18 Sep 2023 19:36

Tgt Ion:128 Resp: 970456
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 12.7 8.7 13.1

