

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078073.D
 Acq On : 22 Dec 2023 19:23
 Operator : RP/MD
 Sample : 05993-02
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E8965C-S-002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/26/2023
 Supervised By :Semsettin Yesilyurt 12/26/2023

Quant Time: Dec 23 03:40:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	57320	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	107632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	105789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.528	152	111210	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	38055	56.342	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.680%			
35) Dibromofluoromethane	7.804	113	23495	31.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 62.320%			
50) Toluene-d8	10.269	98	141052	46.713	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.420%			
62) 4-Bromofluorobenzene	12.575	95	77470	85.813	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 171.620%#			
Target Compounds						
						Qvalue
16) Acetone	4.022	43	9577	38.973	ug/l #	80
17) Carbon Disulfide	4.275	76	4541	1.948	ug/l #	61
31) Cyclohexane	7.887	56	3674	3.058	ug/l #	69
39) Methylcyclohexane	9.275	83	21830	15.270	ug/l	93
40) Benzene	8.252	78	63775	18.633	ug/l	97
52) Toluene	10.334	92	194551	91.634	ug/l	99
67) Ethyl Benzene	11.681	91	16445025	3733.846	ug/l #	75
68) m/p-Xylenes	11.787	106	22811640m	13540.669	ug/l	
69) o-Xylene	12.122	106	16518968	10639.377	ug/l #	1
73) Isopropylbenzene	12.422	105	10876290	1290.380	ug/l	99
78) n-propylbenzene	12.757	91	21683676m	2111.219	ug/l	
80) 1,3,5-Trimethylbenzene	12.816	105	65839274m	9365.644	ug/l	
84) 1,2,4-Trimethylbenzene	13.204	105	33667575m	4788.309	ug/l	
85) sec-Butylbenzene	13.351	105	1647743	187.828	ug/l #	64
86) p-Isopropyltoluene	13.469	119	1210476m	154.115	ug/l	
89) n-Butylbenzene	13.775	91	1492929m	202.004	ug/l	
95) Naphthalene	15.328	128	6446462	1647.350	ug/l	98

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

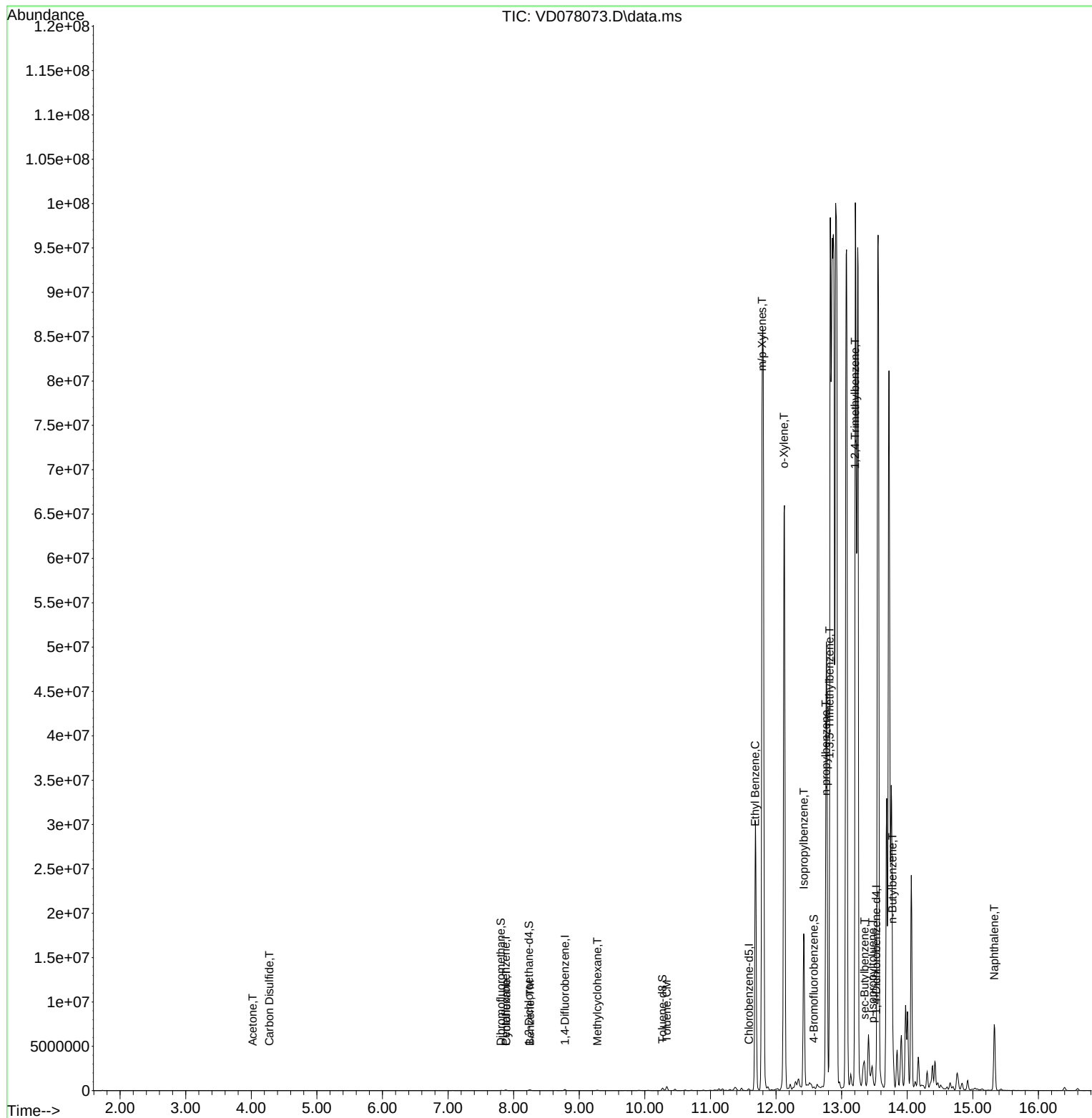
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
Data File : VD078073.D
Acq On : 22 Dec 2023 19:23
Operator : RP/MD
Sample : 05993-02
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ALS Vial : 20 Sample Multiplier: 1

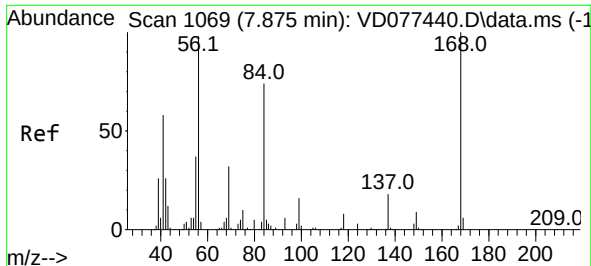
Instrument :
MSVOA_D
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E8965C-S-002

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Supervised By :Semsettin Yesilyurt 12/26/2023

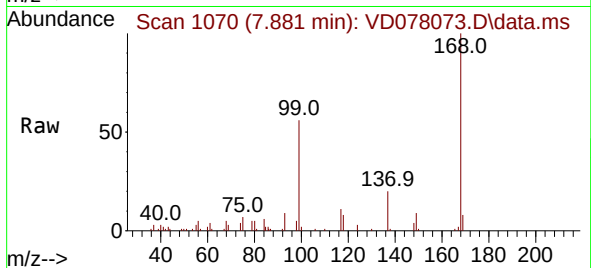
Quant Time: Dec 23 03:40:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

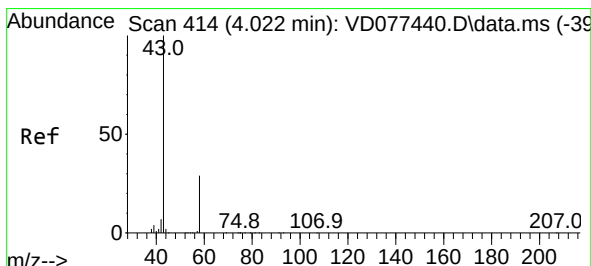
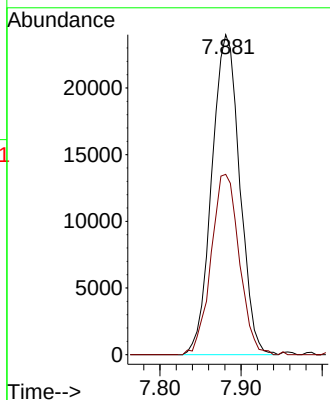
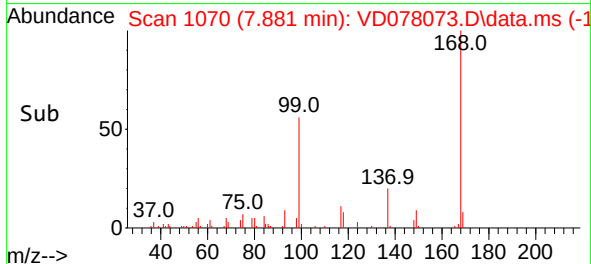
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion:168 Resp: 57320
Ion Ratio Lower Upper
168 100
99 56.3 36.7 55.1

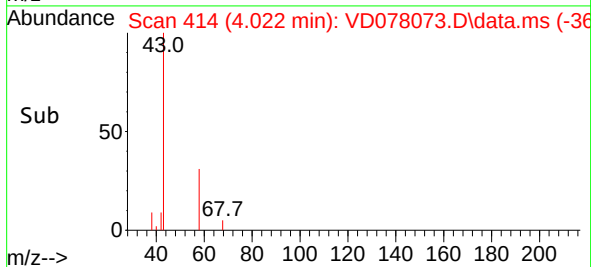
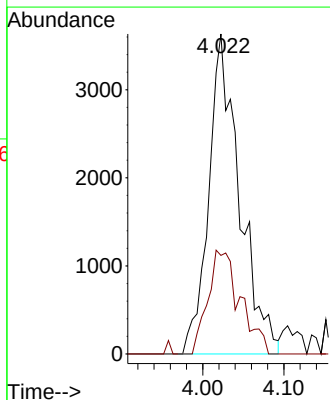
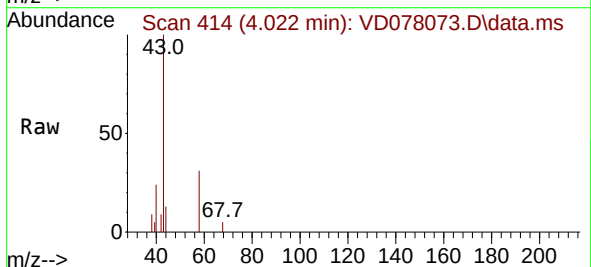
Manual Integrations
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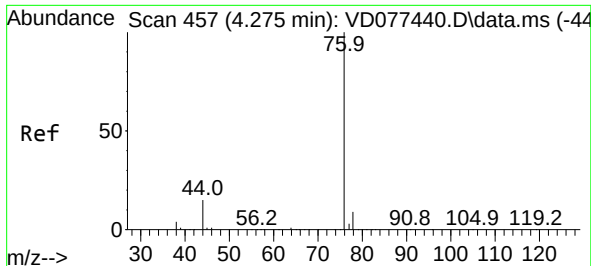
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#16
Acetone
Concen: 38.973 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

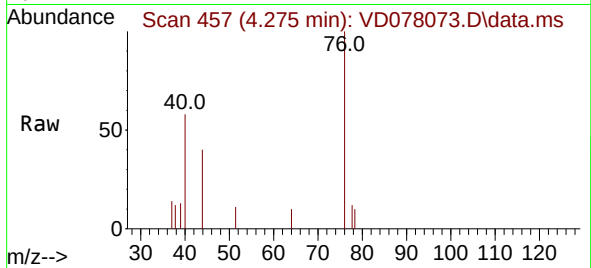
Tgt Ion: 43 Resp: 9577
Ion Ratio Lower Upper
43 100
58 30.8 34.7 52.1





#17
Carbon Disulfide
Concen: 1.948 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

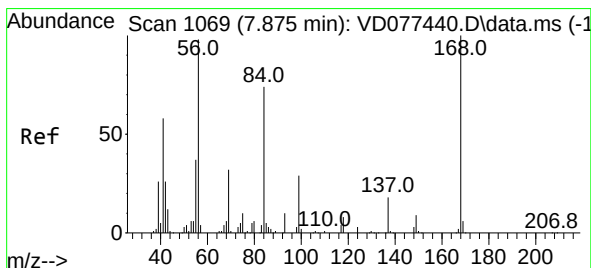
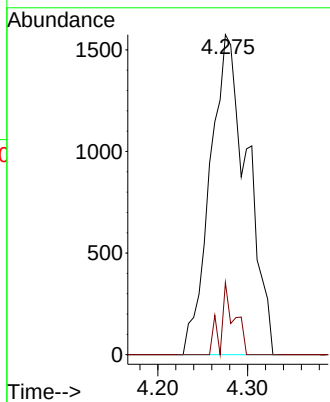
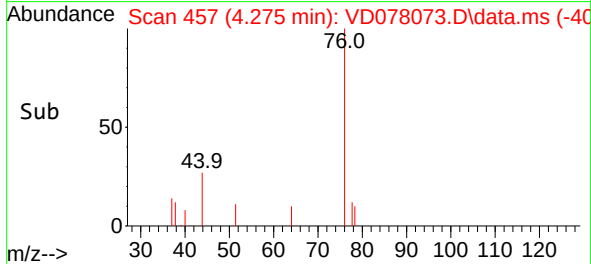
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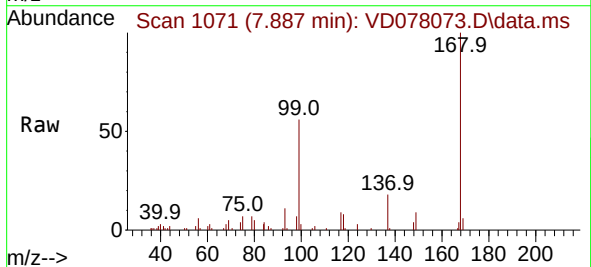
Tgt Ion: 76 Resp: 454
Ion Ratio Lower Upper
76 100
78 22.5 6.8 10.2

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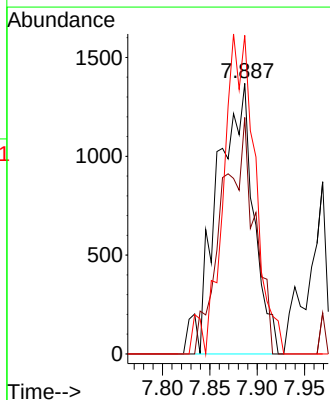
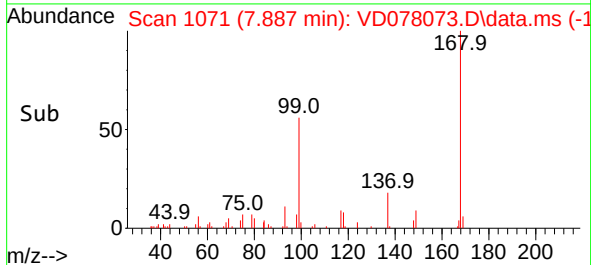
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023

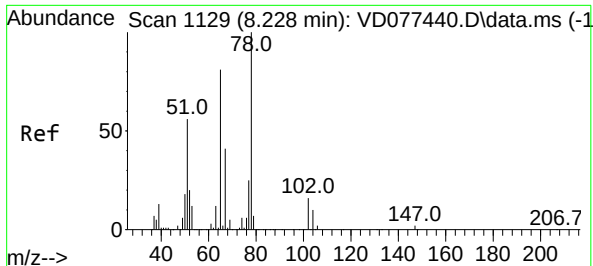


#31
Cyclohexane
Concen: 3.058 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23



Tgt Ion: 56 Resp: 3674
Ion Ratio Lower Upper
56 100
69 87.4 28.6 43.0#
84 117.8 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 56.342 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078073.D

Acq: 22 Dec 2023 19:23

Instrument :

MSVOA_D

ClientSampleId :

E8965C-S-002

Tgt Ion: 65 Resp: 3805

Ion Ratio Lower Upper

65 100

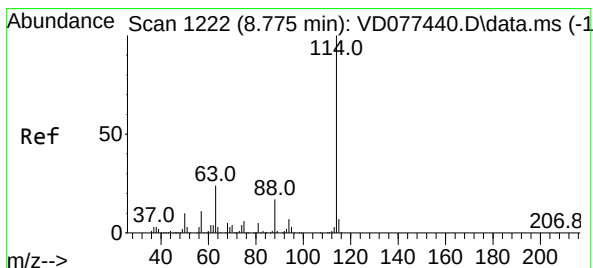
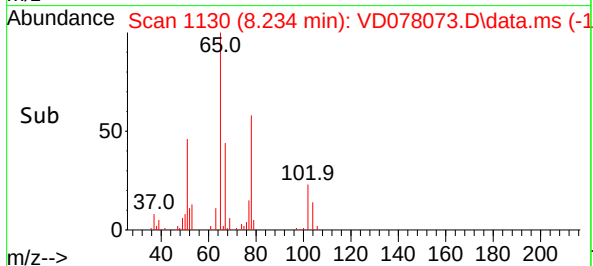
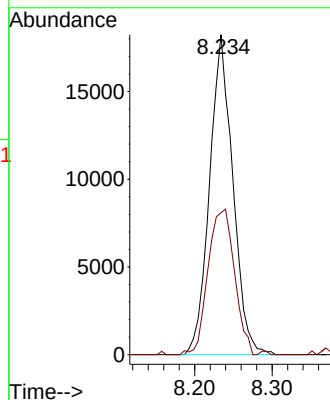
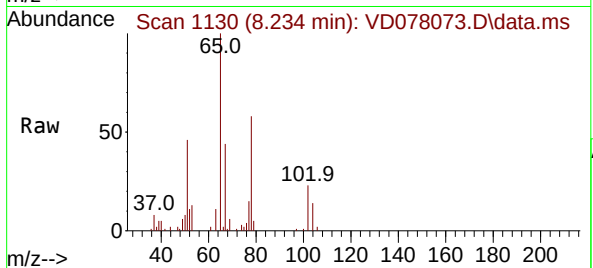
67 51.8 0.0 115.0

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Supervised By :Semsettin Yesilyurt 12/26/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078073.D

Acq: 22 Dec 2023 19:23

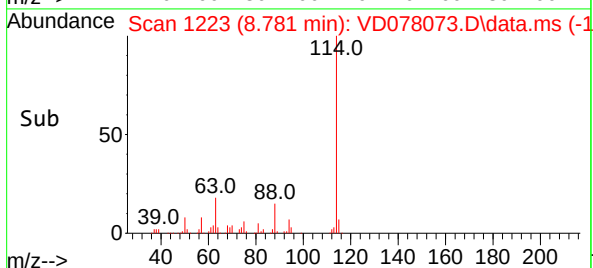
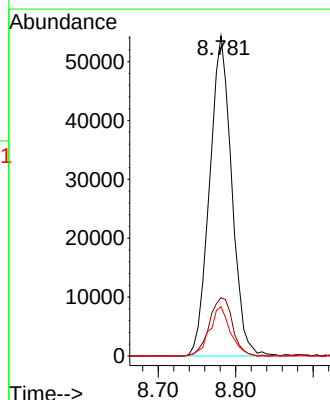
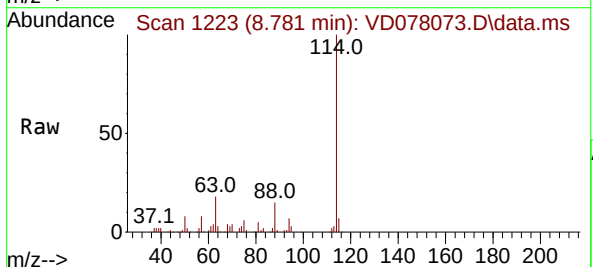
Tgt Ion:114 Resp: 107632

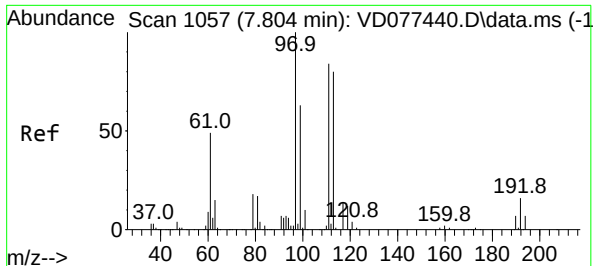
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 15.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 31.164 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078073.D

Acq: 22 Dec 2023 19:23

Instrument :

MSVOA_D

ClientSampleId :

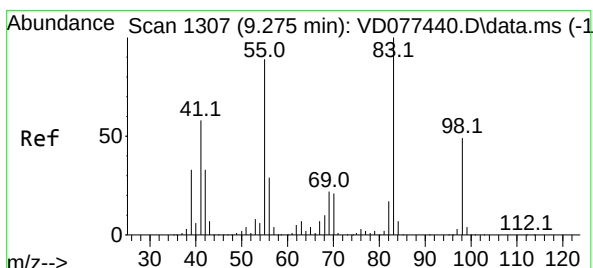
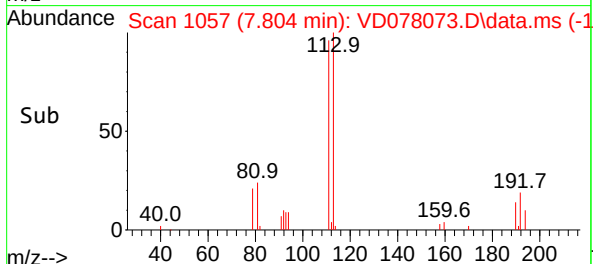
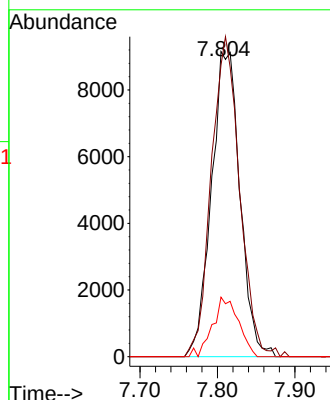
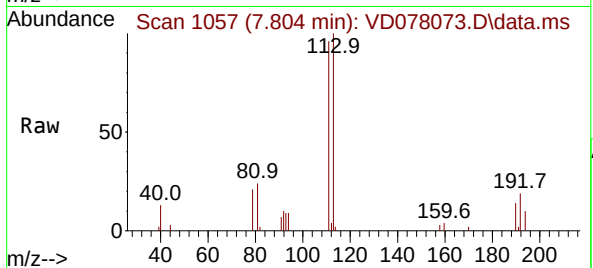
E8965C-S-002

Tgt Ion:	113	Resp:	2349
Ion Ratio	Lower	Upper	
113	100		
111	103.8	84.7	127.1
192	17.7	16.8	25.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#39

Methylcyclohexane

Concen: 15.270 ug/l

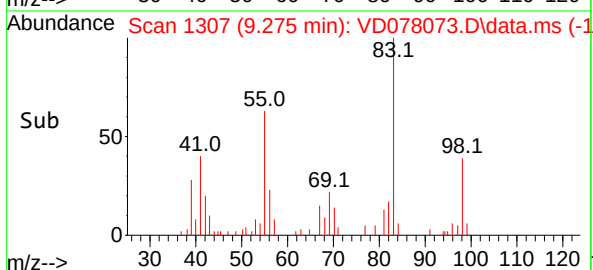
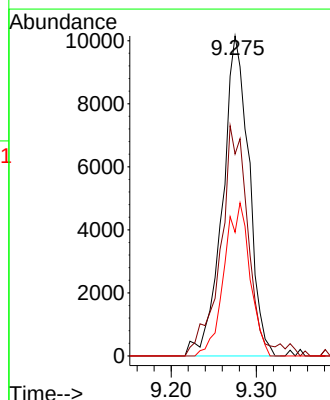
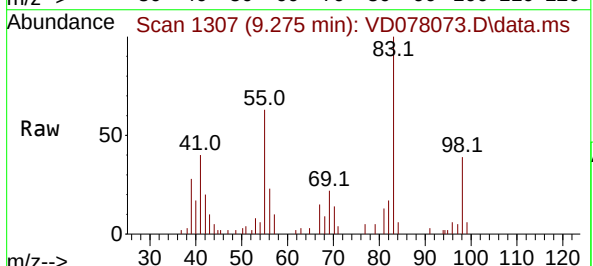
RT: 9.275 min Scan# 1307

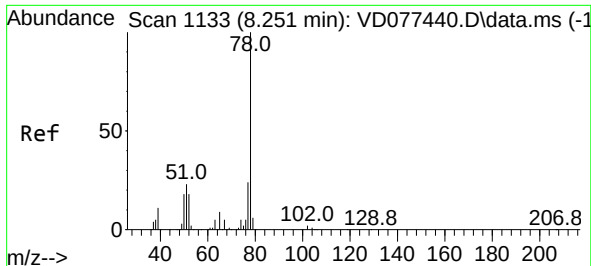
Delta R.T. -0.000 min

Lab File: VD078073.D

Acq: 22 Dec 2023 19:23

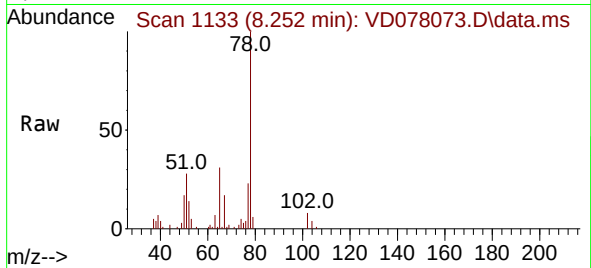
Tgt Ion:	83	Resp:	21830
Ion Ratio	Lower	Upper	
83	100		
55	63.1	49.4	74.0
98	38.7	38.4	57.6





#40
Benzene
Concen: 18.633 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. 0.001 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

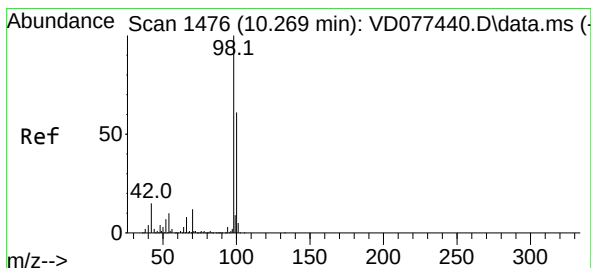
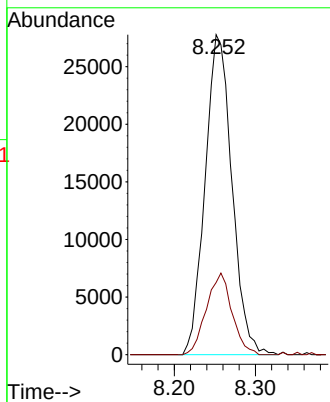
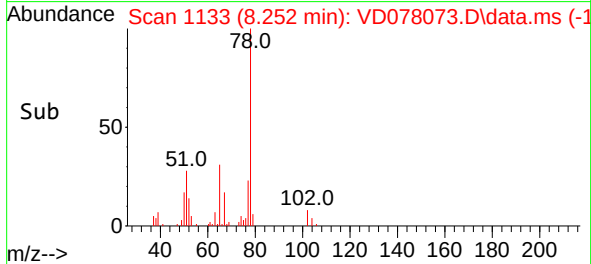
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion: 78 Resp: 63775
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.0

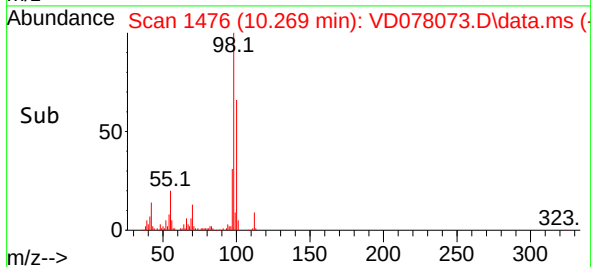
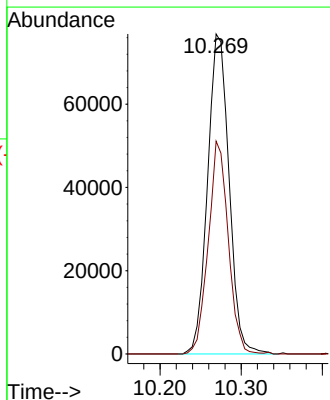
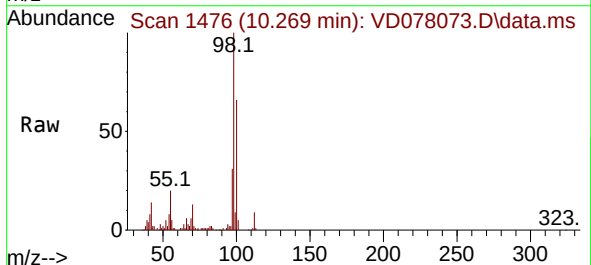
Manual Integrations
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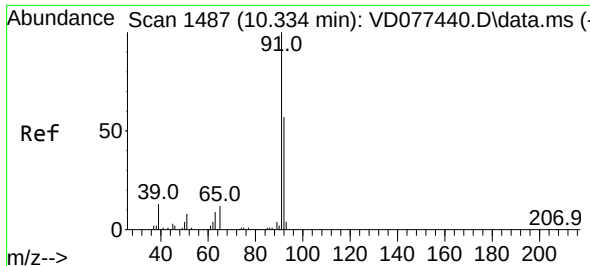
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#50
Toluene-d8
Concen: 46.713 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

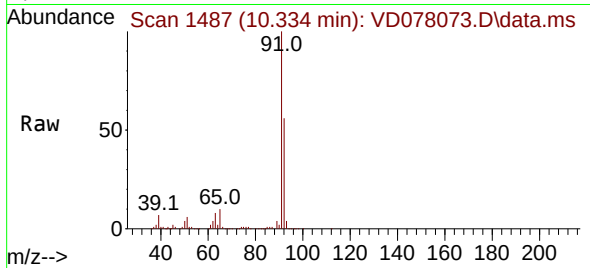
Tgt Ion: 98 Resp: 141052
Ion Ratio Lower Upper
98 100
100 62.0 50.3 75.5





#52
Toluene
Concen: 91.634 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

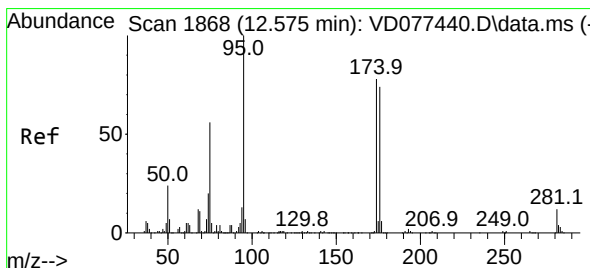
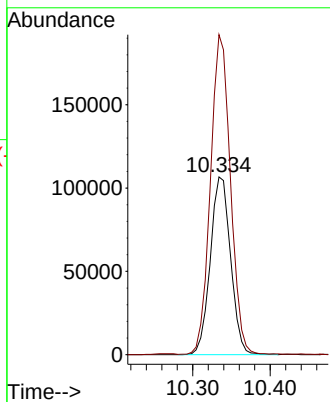
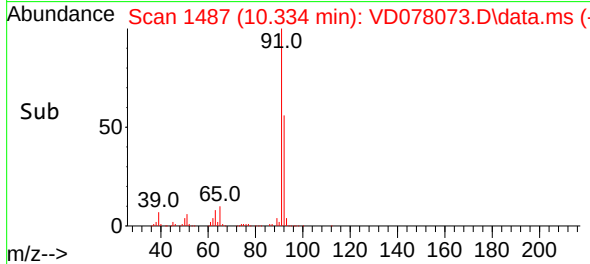
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion: 92 Resp: 19455
Ion Ratio Lower Upper
92 100
91 176.8 143.0 214.4

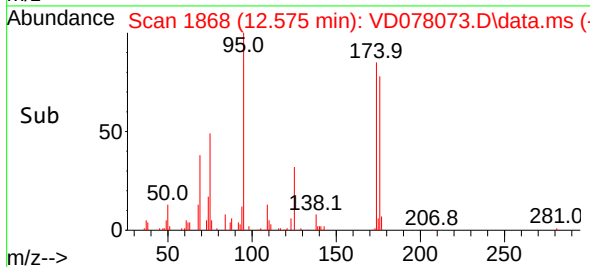
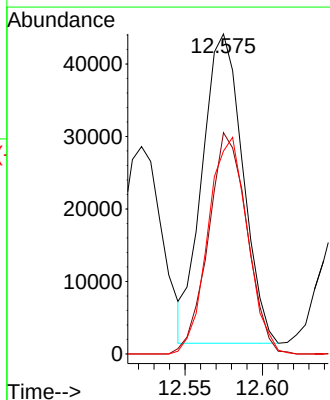
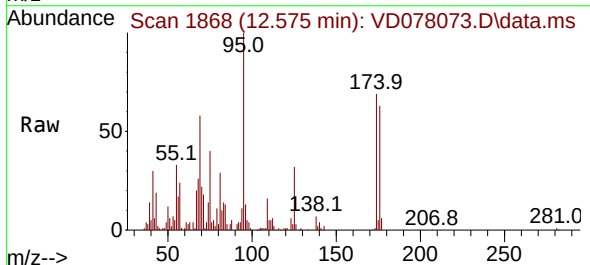
Manual Integrations
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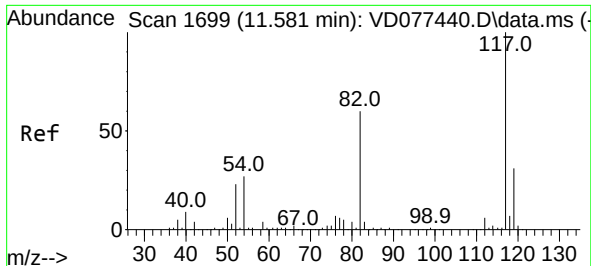
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#62
4-Bromofluorobenzene
Concen: 85.813 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

Tgt Ion: 95 Resp: 77470
Ion Ratio Lower Upper
95 100
174 68.2 0.0 201.8
176 68.2 0.0 191.8





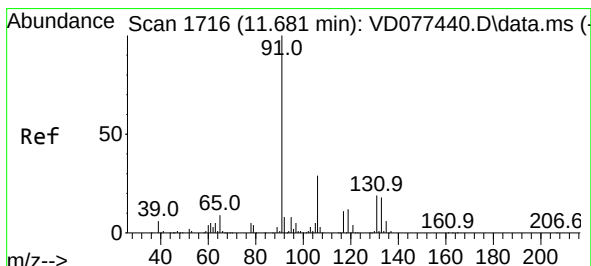
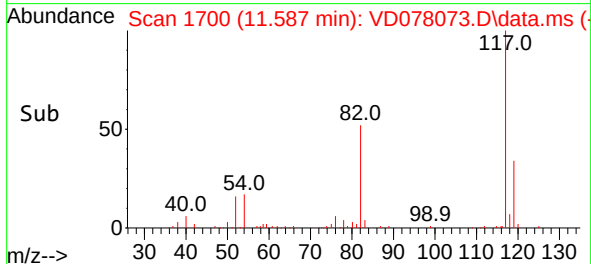
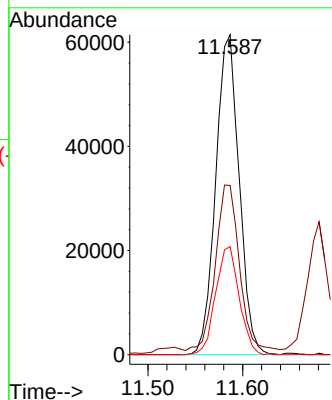
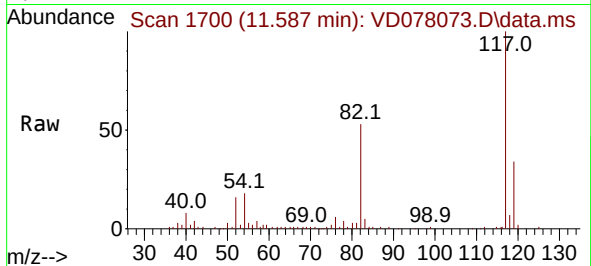
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002

Tgt Ion:117 Resp: 105789
Ion Ratio Lower Upper
117 100
82 51.3 38.3 57.5
119 33.8 25.0 37.4

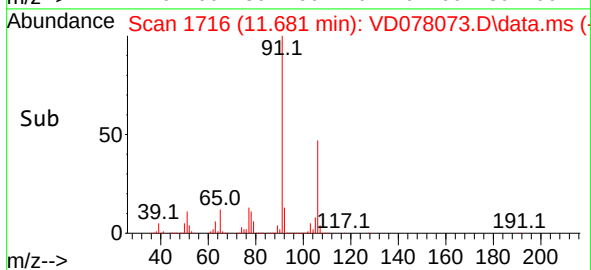
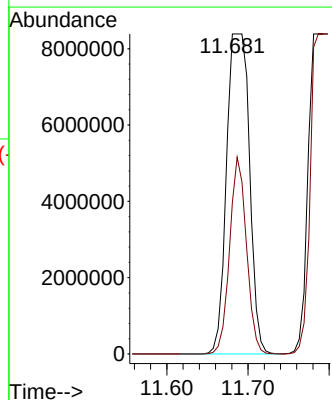
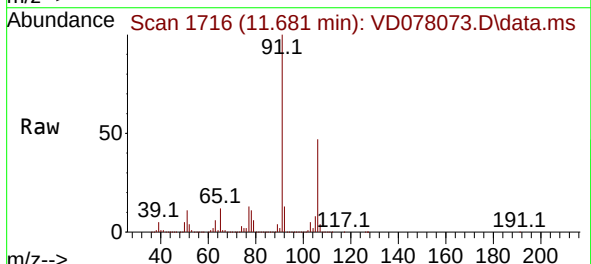
Manual Integrations
APPROVED

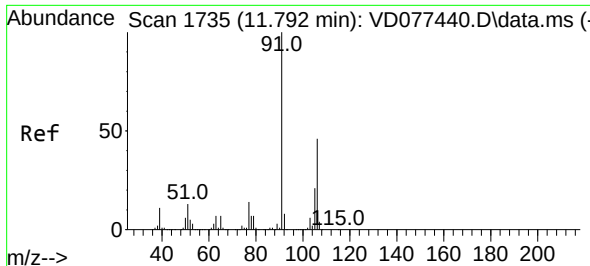
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#67
Ethyl Benzene
Concen: 3733.846 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

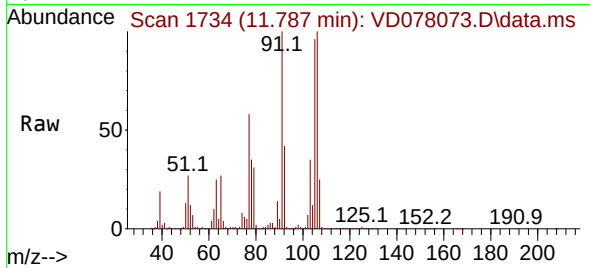
Tgt Ion: 91 Resp:16445025
Ion Ratio Lower Upper
91 100
106 47.3 26.5 39.7#





#68
m/p-Xylenes
Concen: 13540.669 ug/l m
RT: 11.787 min Scan# 1734
Delta R.T. -0.005 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

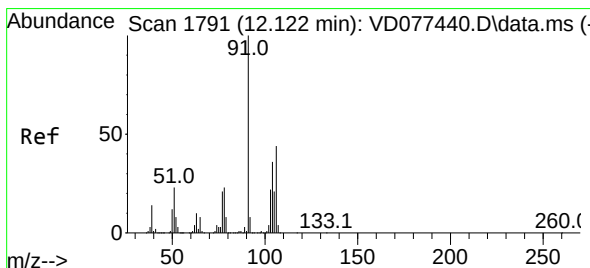
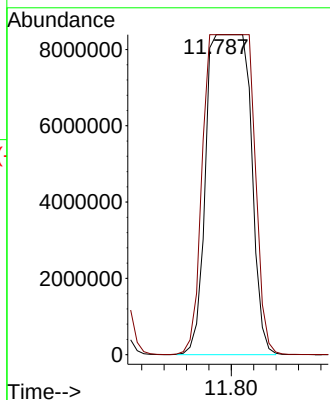
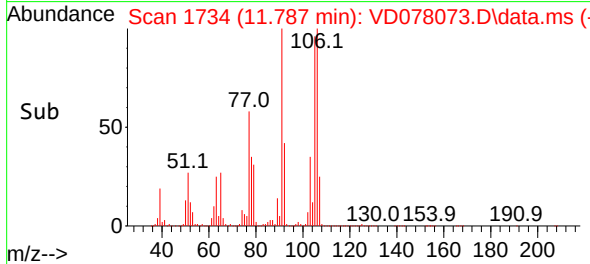
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion:106 Resp:22811640
Ion Ratio Lower Upper
106 100
91 72.1 147.0 220.6

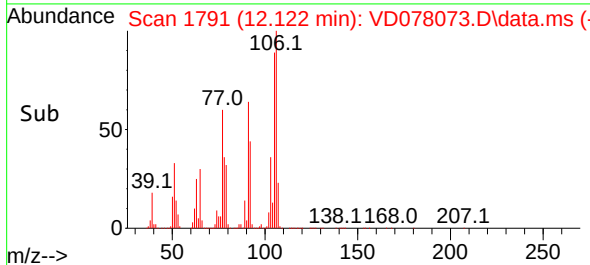
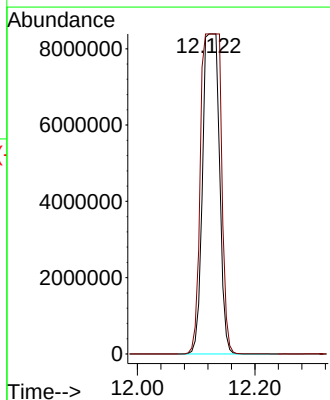
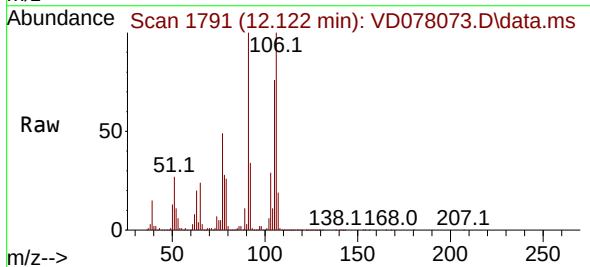
Manual Integrations
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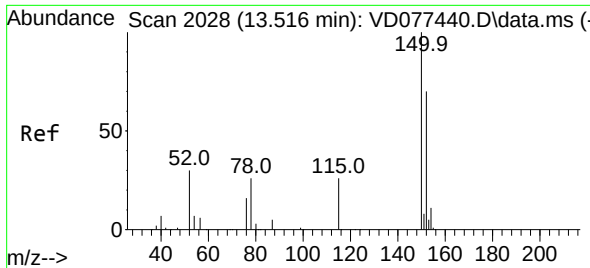
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#69
o-Xylene
Concen: 10639.377 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

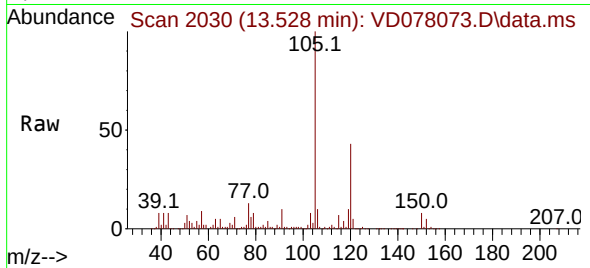
Tgt Ion:106 Resp:16518968
Ion Ratio Lower Upper
106 100
91 0.0 97.9 293.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.528 min Scan# 2028
Delta R.T. 0.012 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

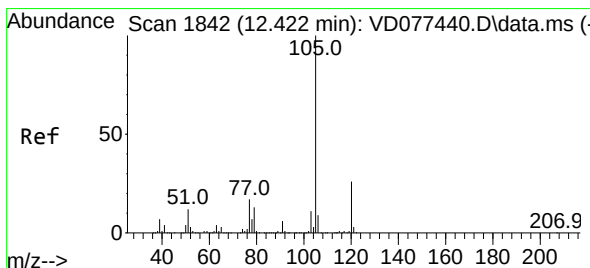
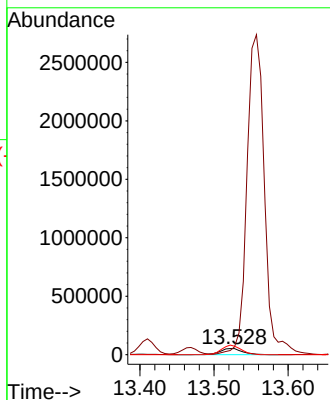
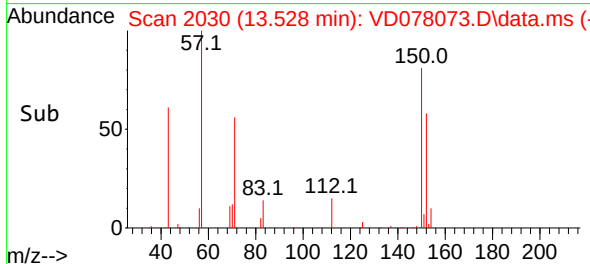
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion:152 Resp: 111210
Ion Ratio Lower Upper
152 100
115 0.0 27.1 81.3
150 132.3 0.0 353.6

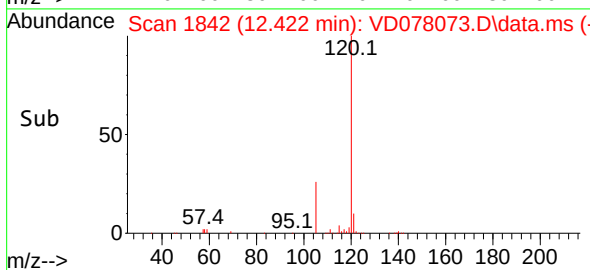
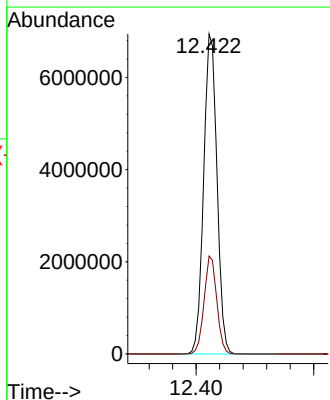
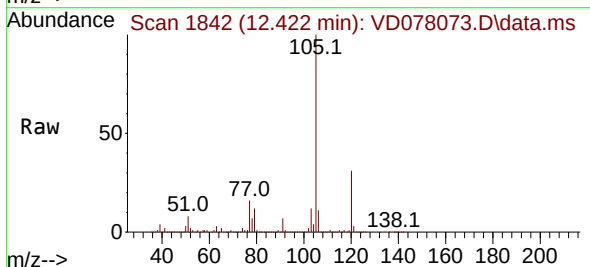
Manual Integrations
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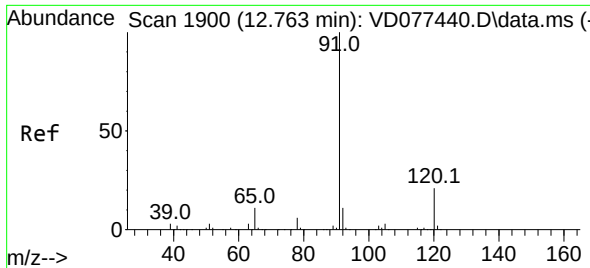
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#73
Isopropylbenzene
Concen: 1290.380 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

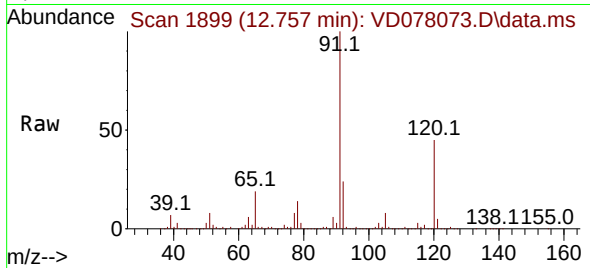
Tgt Ion:105 Resp:10876290
Ion Ratio Lower Upper
105 100
120 29.2 14.3 42.9





#78
n-propylbenzene
Concen: 2111.219 ug/l m
RT: 12.757 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

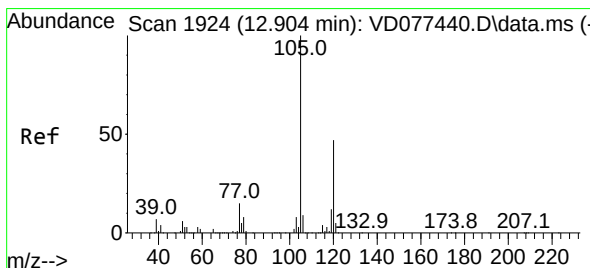
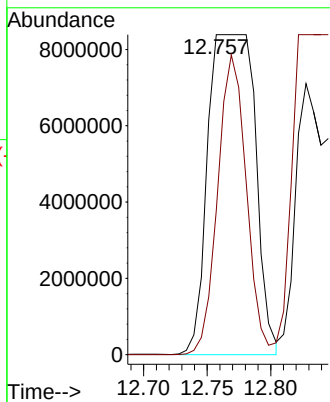
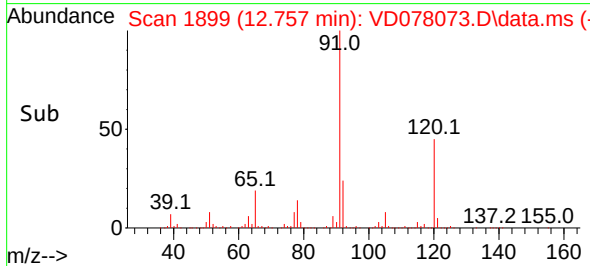
Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



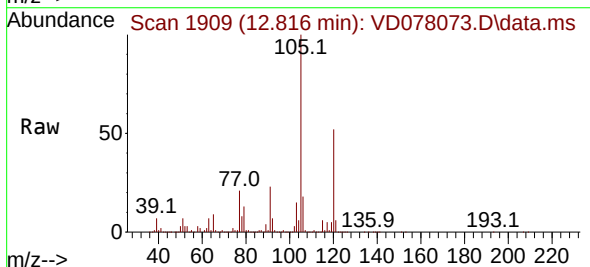
Tgt Ion: 91 Resp:21683670
Ion Ratio Lower Upper
91 100
120 12.6 12.4 37.2

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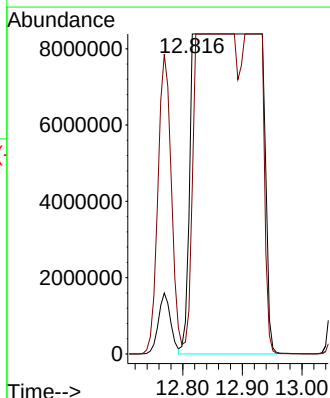
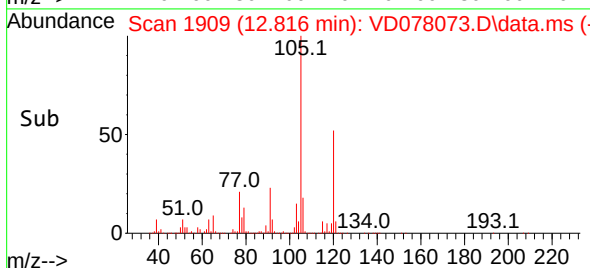
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023

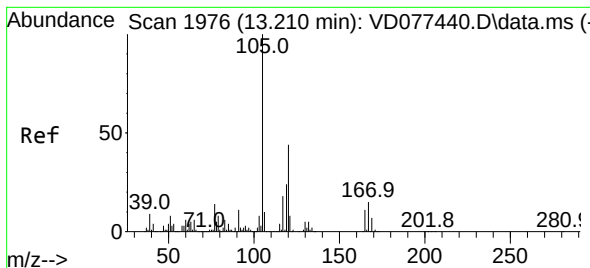


#80
1,3,5-Trimethylbenzene
Concen: 9365.644 ug/l m
RT: 12.816 min Scan# 1909
Delta R.T. -0.088 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23



Tgt Ion:105 Resp:65839274
Ion Ratio Lower Upper
105 100
120 18.7 26.4 79.2#





#84

1,2,4-Trimethylbenzene

Concen: 4788.309 ug/l m

RT: 13.204 min Scan# 1976

Delta R.T. -0.006 min

Lab File: VD078073.D

Acq: 22 Dec 2023 19:23

Instrument :

MSVOA_D

ClientSampleId :

E8965C-S-002

Tgt Ion:105 Resp:3366757

Ion Ratio Lower Upper

105 100

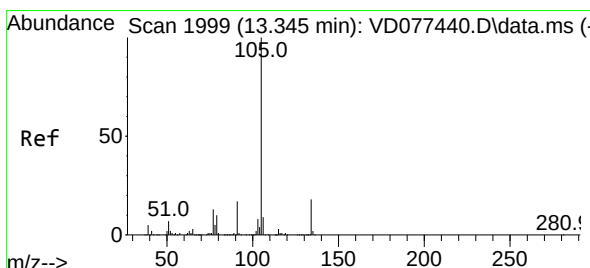
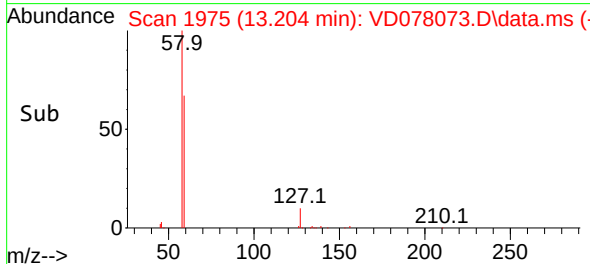
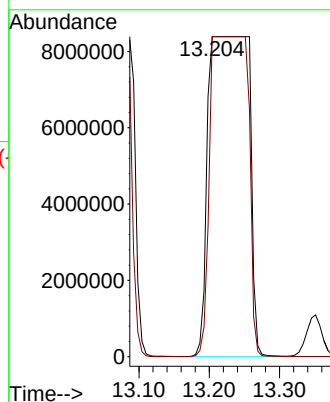
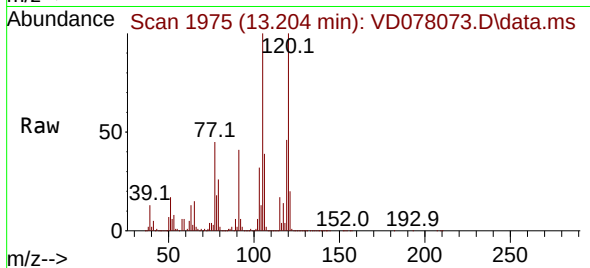
120 0.0 24.3 72.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/26/2023

Supervised By :Semsettin Yesilyurt 12/26/2023



#85

sec-Butylbenzene

Concen: 187.828 ug/l

RT: 13.351 min Scan# 2000

Delta R.T. 0.006 min

Lab File: VD078073.D

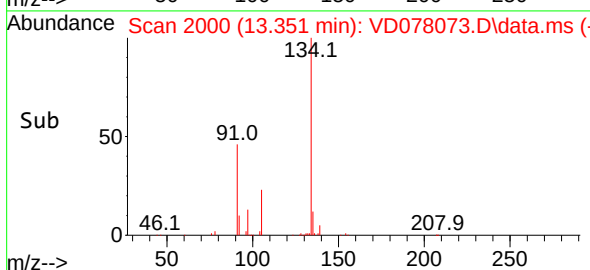
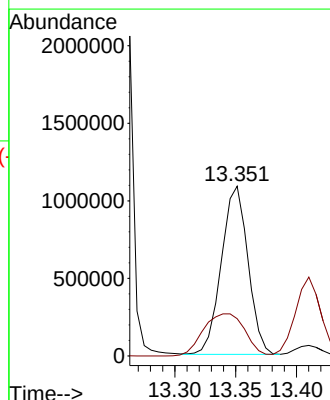
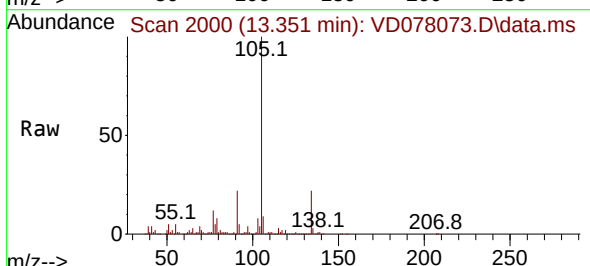
Acq: 22 Dec 2023 19:23

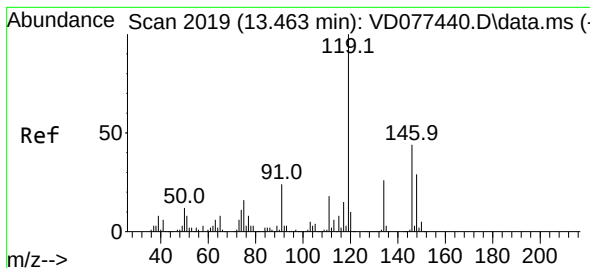
Tgt Ion:105 Resp: 1647743

Ion Ratio Lower Upper

105 100

134 39.2 10.9 32.9





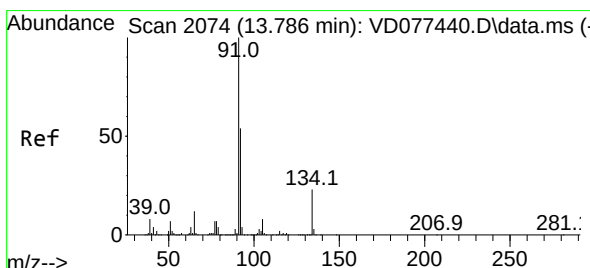
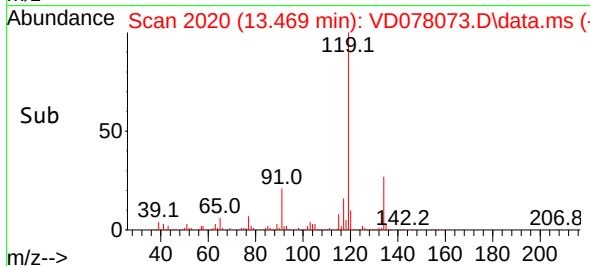
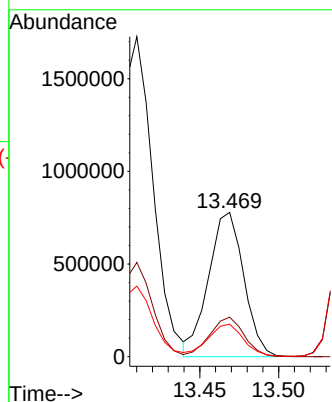
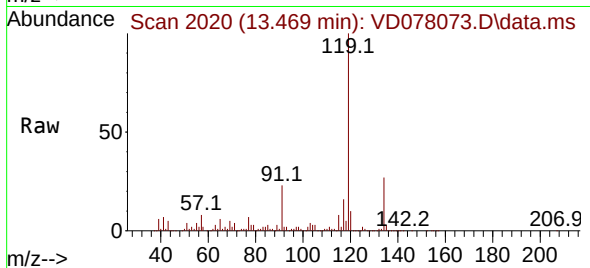
#86
p-Isopropyltoluene
Concen: 154.115 ug/l m
RT: 13.469 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002

Tgt Ion:119 Resp: 1210470
Ion Ratio Lower Upper
119 100
134 61.3 14.2 42.6
91 45.3 10.5 31.5

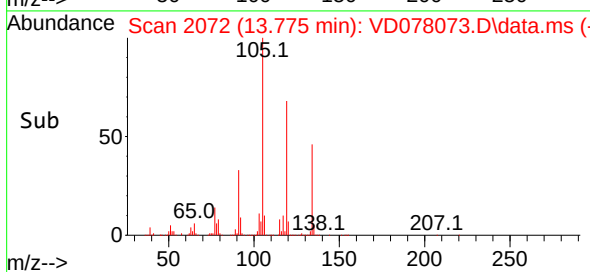
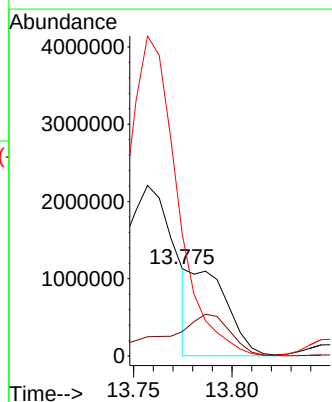
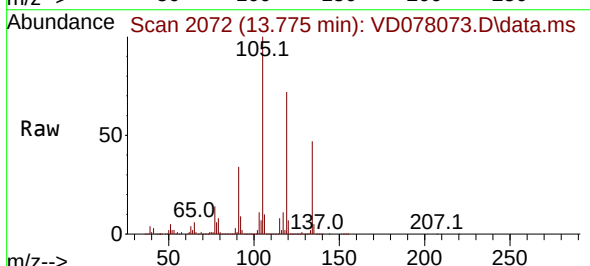
Manual Integrations
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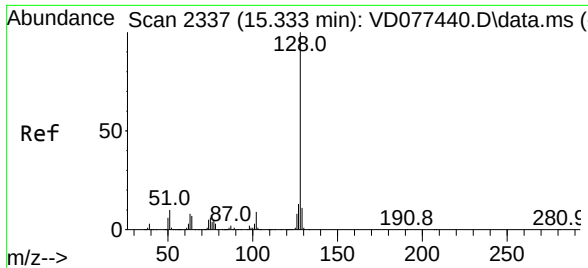
Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023



#89
n-Butylbenzene
Concen: 202.004 ug/l m
RT: 13.775 min Scan# 2072
Delta R.T. -0.011 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

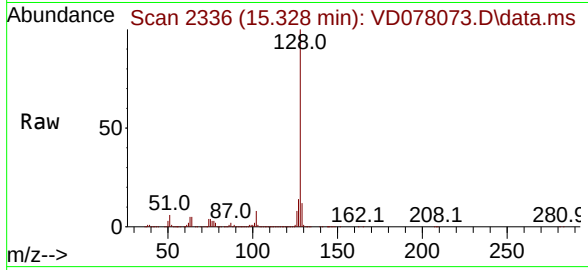
Tgt Ion: 91 Resp: 1492929
Ion Ratio Lower Upper
91 100
92 0.0 26.5 79.5#
134 486.1 13.8 41.3#





#95
Naphthalene
Concen: 1647.350 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD078073.D
Acq: 22 Dec 2023 19:23

Instrument :
MSVOA_D
ClientSampleId :
E8965C-S-002



Tgt Ion:128 Resp: 6446462
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 11.5 8.7 13.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 12/26/2023
Supervised By :Semsettin Yesilyurt 12/26/2023

