

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016952.D
 Acq On : 09 Jan 2024 16:34
 Operator : SY/MD
 Sample : P1067-06
 Misc : 2.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-B-GRAB

Manual Integrations
 APPROVED

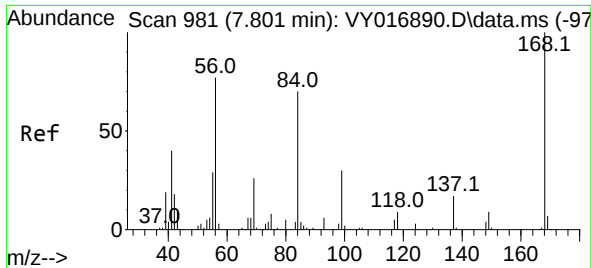
Reviewed By :Mahesh Dadoda 01/10/2024
 Supervised By :Semsettin Yesilyurt 01/10/2024

Quant Time: Jan 10 02:28:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

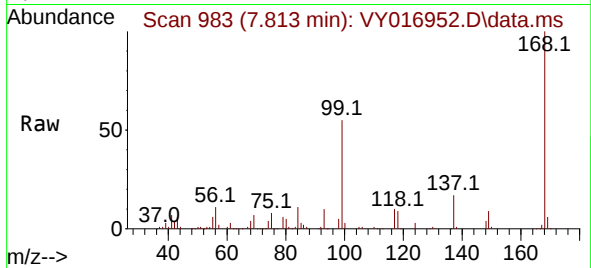
Internal Standards						
1) Pentafluorobenzene	7.813	168	113980	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	233236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	194175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	58787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	49599	44.028	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.060%		
35) Dibromofluoromethane	7.734	113	52191	35.116	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	70.240%		
50) Toluene-d8	10.197	98	203807	39.822	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	79.640%		
62) 4-Bromofluorobenzene	12.495	95	60127	34.821	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	69.640%		
Target Compounds					Qvalue	
16) Acetone	3.972	43	15802	36.277	ug/l #	85
17) Carbon Disulfide	4.222	76	2703	1.042	ug/l #	87
20) Methylene Chloride	4.740	84	23832	10.456	ug/l	98
25) 2-Butanone	7.008	43	5839	5.712	ug/l #	86
31) Cyclohexane	7.795	56	22721	11.751	ug/l #	74
39) Methylcyclohexane	9.203	83	46575	19.127	ug/l	88
40) Benzene	8.179	78	26682	4.106	ug/l	100
52) Toluene	10.258	92	38282	9.762	ug/l	98
67) Ethyl Benzene	11.605	91	508663	69.848	ug/l	99
68) m/p-Xylenes	11.715	106	960506	359.323	ug/l	100
69) o-Xylene	12.044	106	210078	83.831	ug/l	100
73) Isopropylbenzene	12.343	105	93389	19.454	ug/l	97
78) n-propylbenzene	12.684	91	259392	44.446	ug/l	100
80) 1,3,5-Trimethylbenzene	12.824	105	780085	205.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.135	105	2174758	581.643	ug/l	98
85) sec-Butylbenzene	13.263	105	48140m	9.715	ug/l	
86) p-Isopropyltoluene	13.385	119	56518	13.821	ug/l	99
89) n-Butylbenzene	13.708	91	60463m	15.378	ug/l	
91) 1,2-Dichlorobenzene	13.751	146	49836	27.820	ug/l #	82
95) Naphthalene	15.251	128	268878	137.404	ug/l	98

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

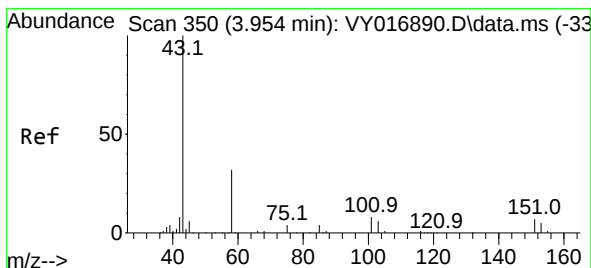
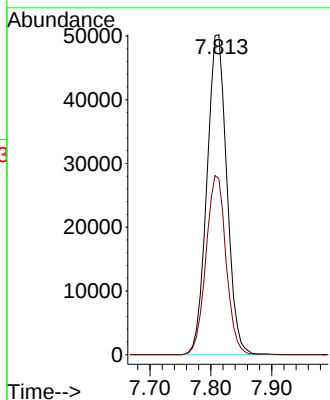
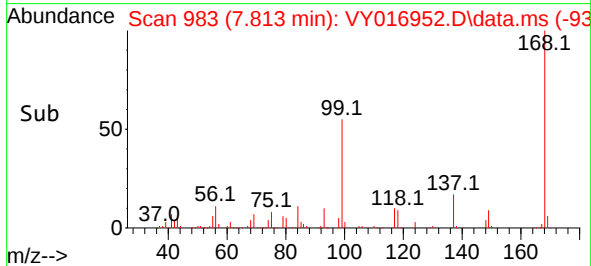
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



Tgt Ion:168 Resp: 113980
Ion Ratio Lower Upper
168 100
99 55.0 44.2 66.4

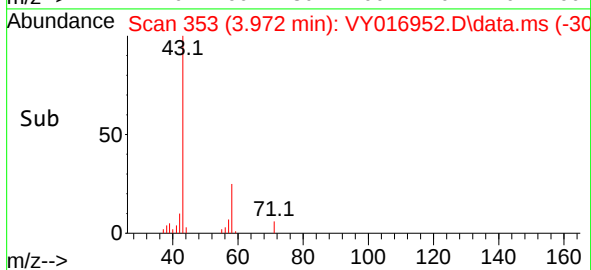
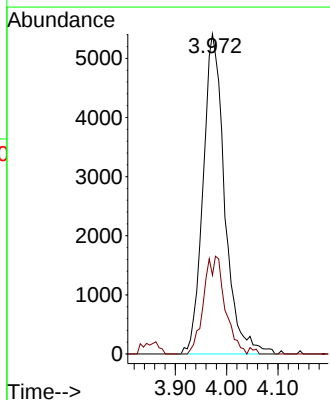
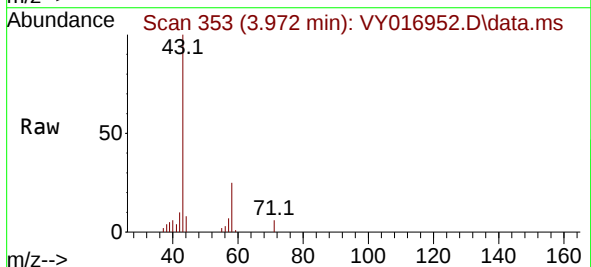
Manual Integrations
APPROVED

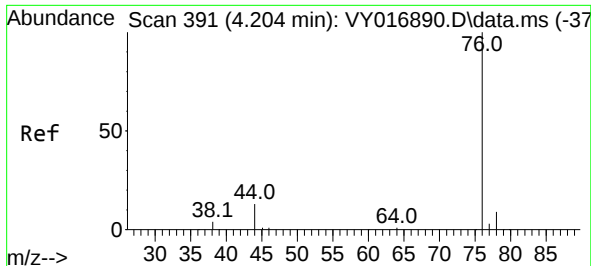
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#16
Acetone
Concen: 36.277 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

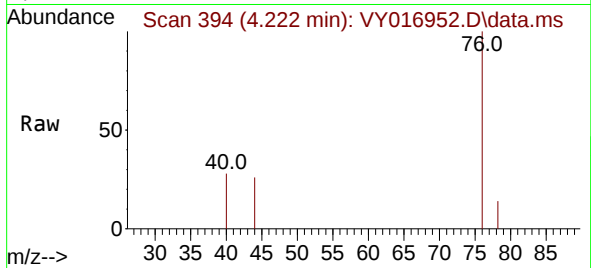
Tgt Ion: 43 Resp: 15802
Ion Ratio Lower Upper
43 100
58 24.6 26.6 39.8#





#17
Carbon Disulfide
Concen: 1.042 ug/l
RT: 4.222 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

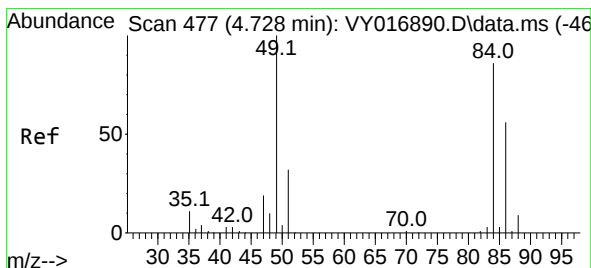
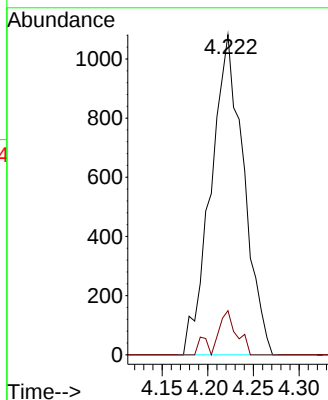
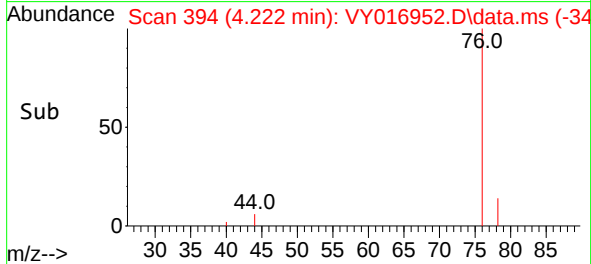
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



Tgt Ion: 76 Resp: 270
Ion Ratio Lower Upper
76 100
78 13.8 7.4 11.0

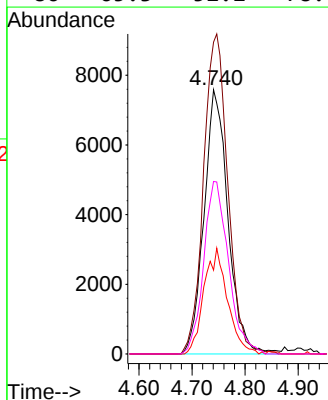
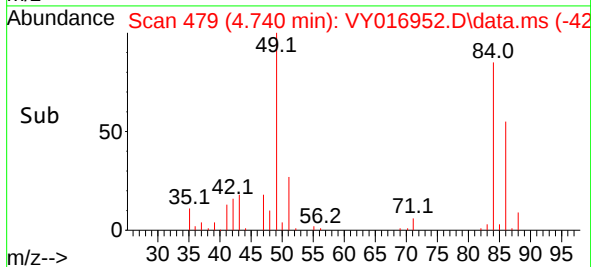
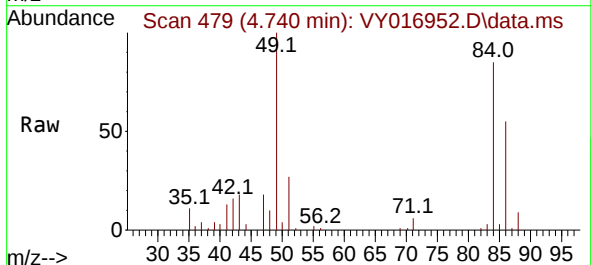
Manual Integrations
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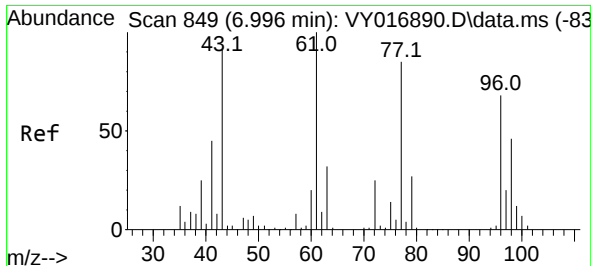
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#20
Methylene Chloride
Concen: 10.456 ug/l
RT: 4.740 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Tgt Ion: 84 Resp: 23832
Ion Ratio Lower Upper
84 100
49 118.1 95.2 142.8
51 31.8 29.9 44.9
86 65.3 52.2 78.4





#25

2-Butanone

Concen: 5.712 ug/l

RT: 7.008 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

SP-B-GRAB

Tgt Ion: 43 Resp: 5839

Ion Ratio Lower Upper

43 100

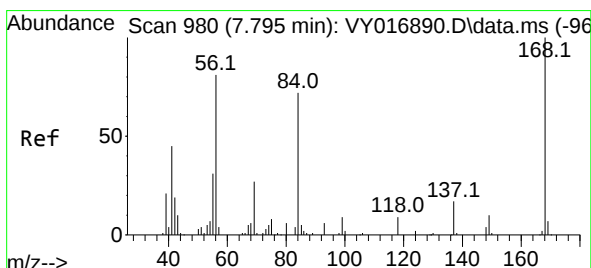
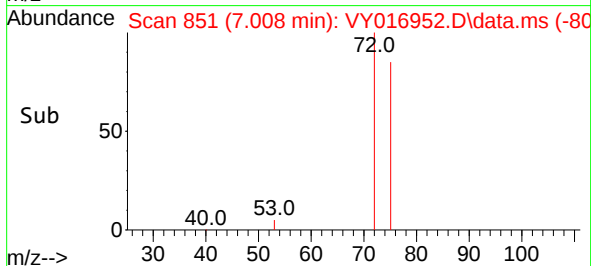
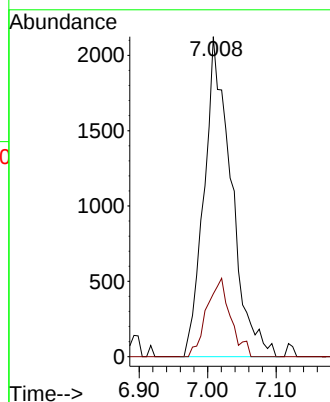
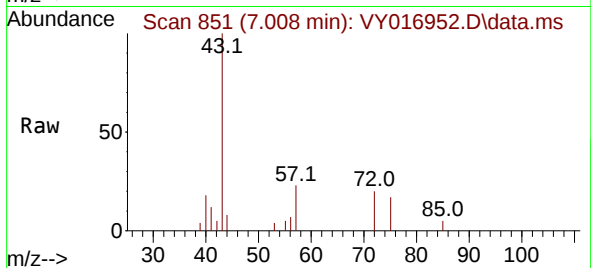
72 19.6 21.4 32.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/10/2024



#31

Cyclohexane

Concen: 11.751 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

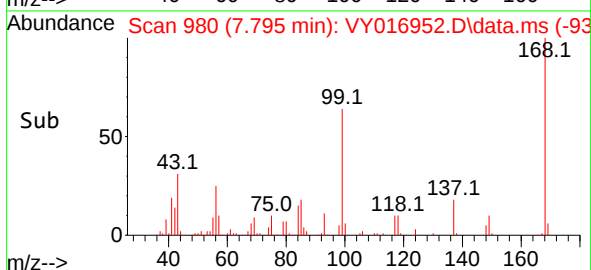
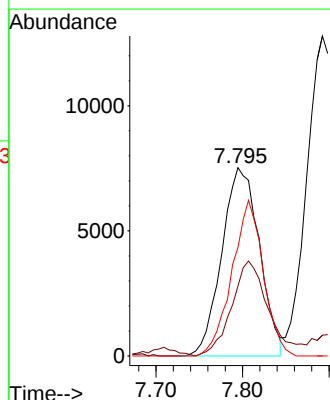
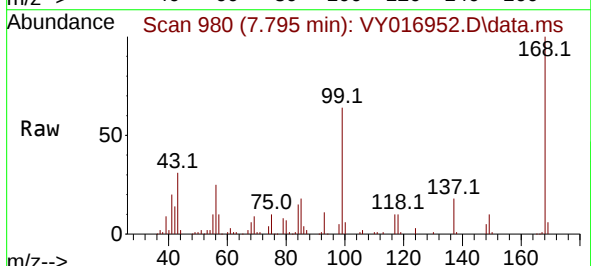
Tgt Ion: 56 Resp: 22721

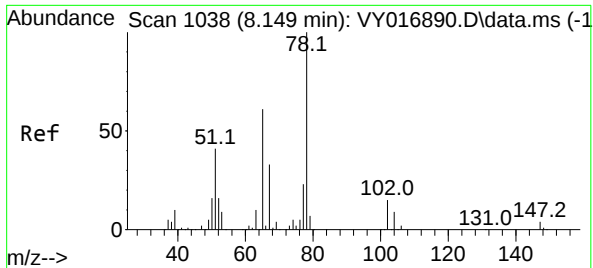
Ion Ratio Lower Upper

56 100

69 35.6 27.0 40.6

84 57.6 71.8 107.6





#33

1,2-Dichloroethane-d4

Concen: 44.028 ug/l

RT: 8.160 min Scan# 1100

Delta R.T. 0.005 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

SP-B-GRAB

Tgt Ion: 65 Resp: 4959

Ion Ratio Lower Upper

65 100

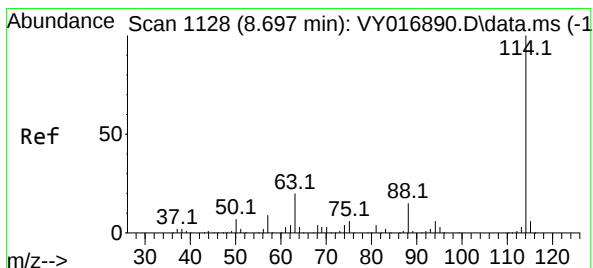
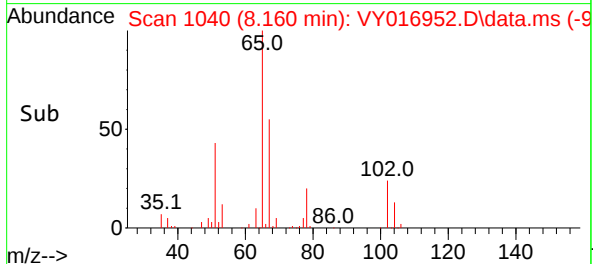
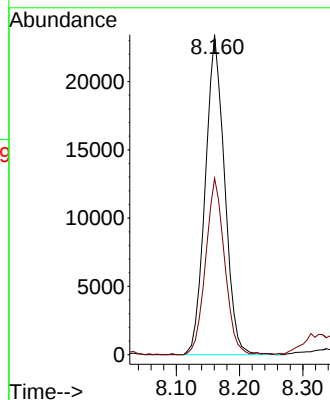
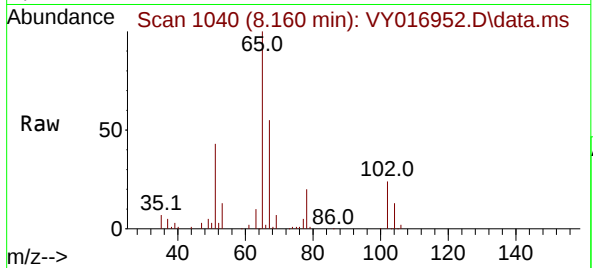
67 54.1 0.0 109.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/10/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

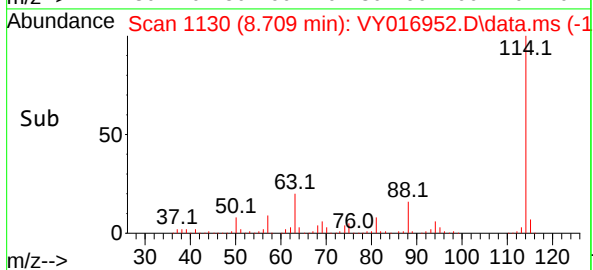
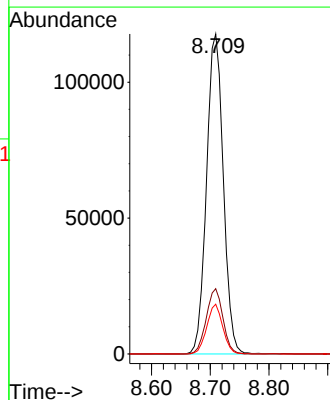
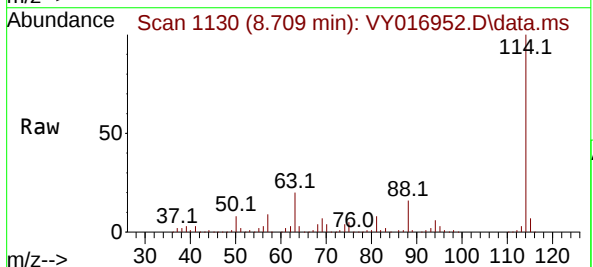
Tgt Ion:114 Resp: 233236

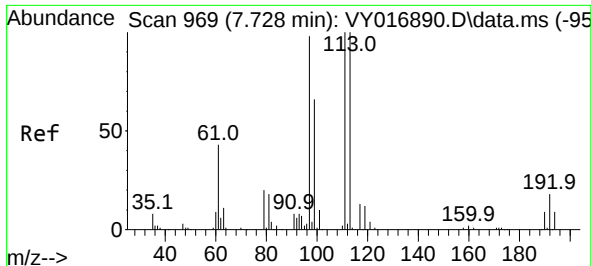
Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

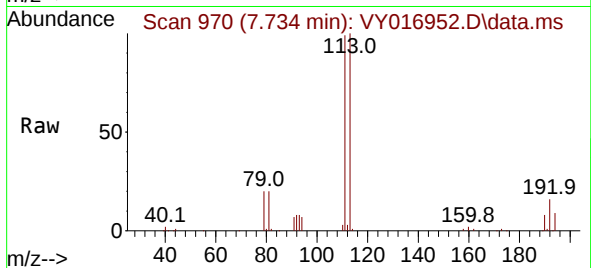
88 15.6 0.0 29.0





#35
Dibromofluoromethane
Concen: 35.116 ug/l
RT: 7.734 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

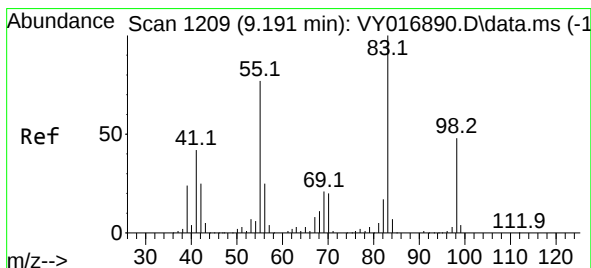
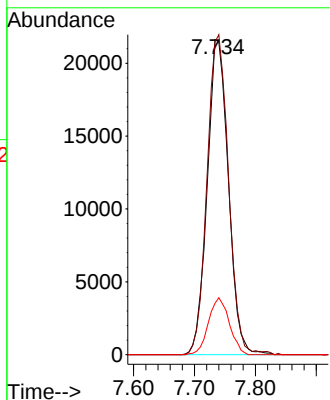
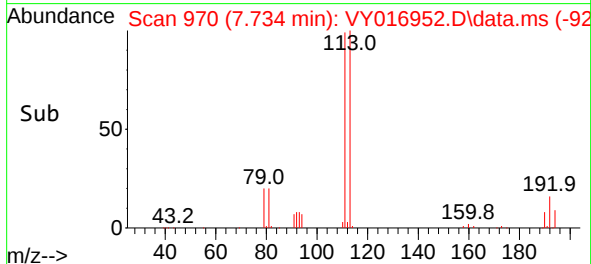
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



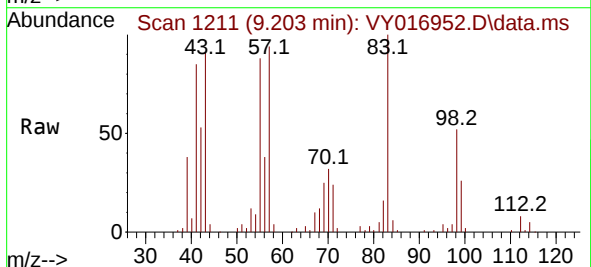
Tgt Ion: 113 Resp: 5219
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.6
192 17.8 14.5 21.7

Manual Integrations
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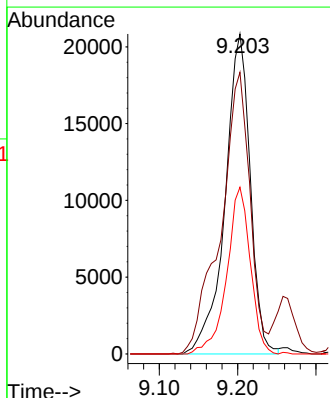
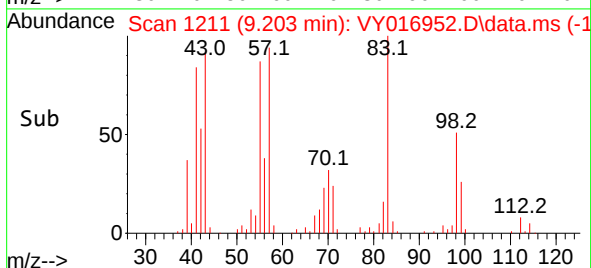
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024

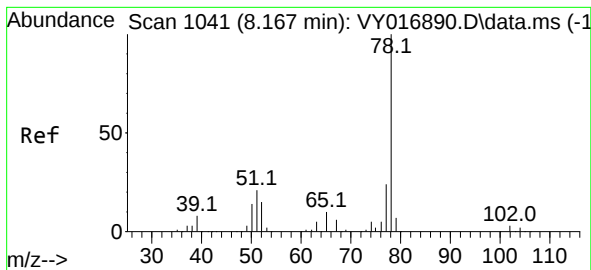


#39
Methylcyclohexane
Concen: 19.127 ug/l
RT: 9.203 min Scan# 1211
Delta R.T. 0.012 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34



Tgt Ion: 83 Resp: 46575
Ion Ratio Lower Upper
83 100
55 88.0 59.7 89.5
98 52.1 38.0 57.0





#40

Benzene

Concen: 4.106 ug/l

RT: 8.179 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

SP-B-GRAB

Tgt Ion: 78 Resp: 2668

Ion Ratio Lower Upper

78 100

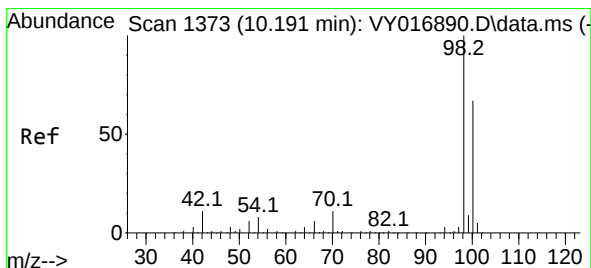
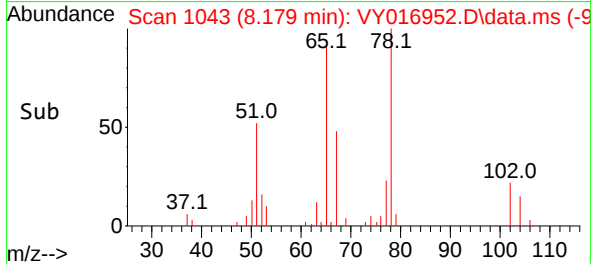
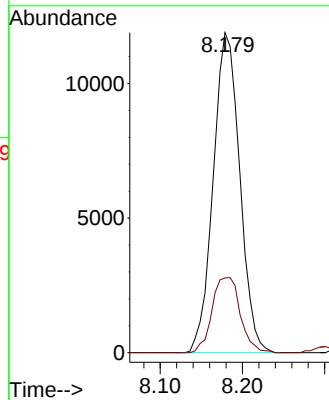
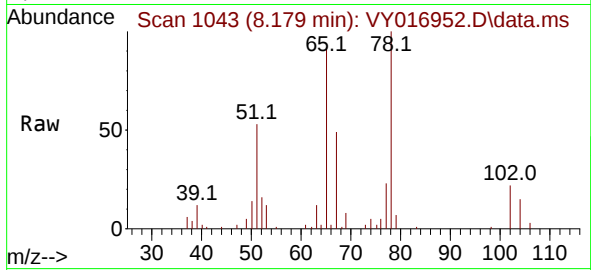
77 23.4 18.8 28.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/10/2024



#50

Toluene-d8

Concen: 39.822 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016952.D

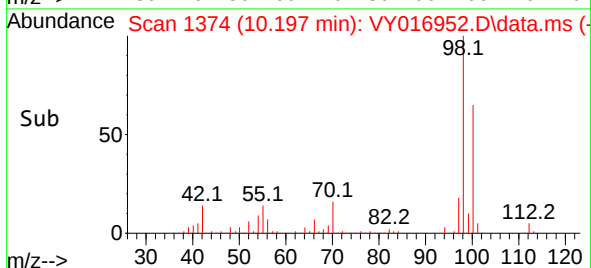
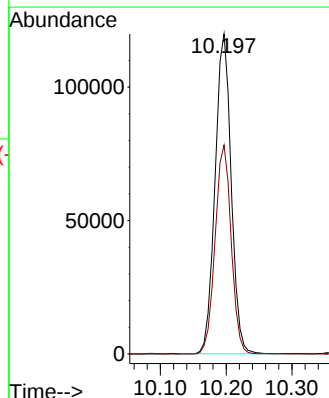
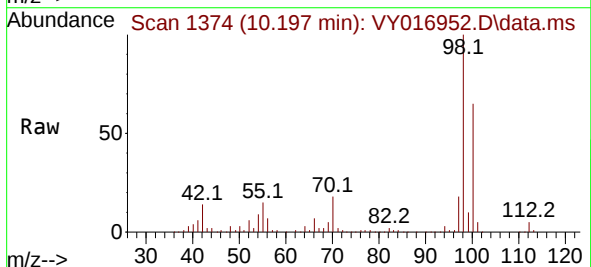
Acq: 09 Jan 2024 16:34

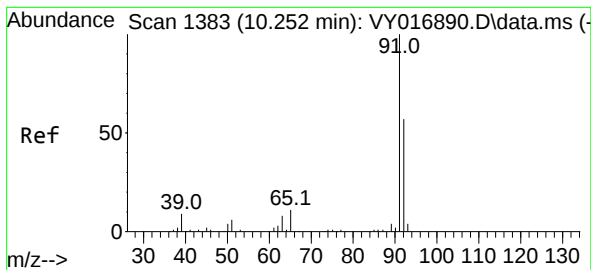
Tgt Ion: 98 Resp: 203807

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5





#52

Toluene

Concen: 9.762 ug/l

RT: 10.258 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

SP-B-GRAB

Tgt Ion: 92 Resp: 3828

Ion Ratio Lower Upper

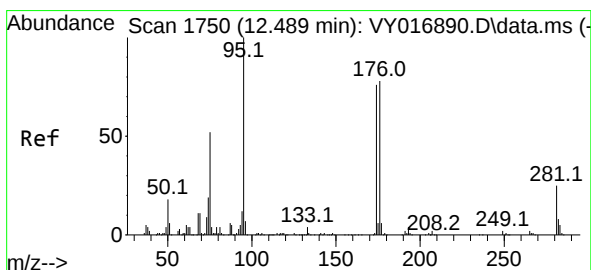
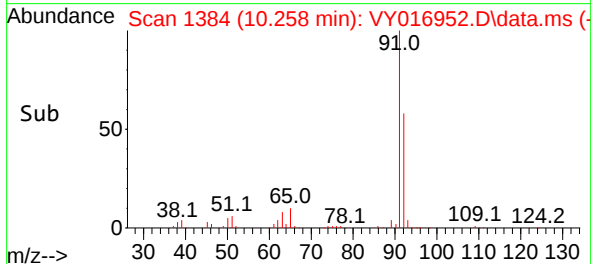
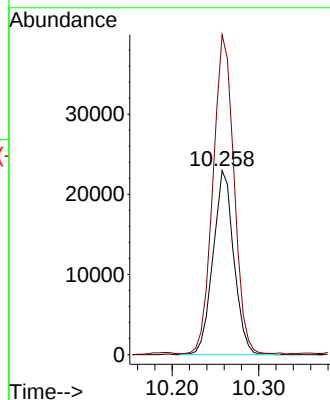
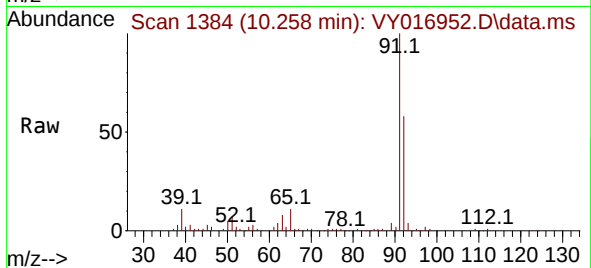
92 100

91 175.0 137.6 206.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/10/2024



#62

4-Bromofluorobenzene

Concen: 34.821 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

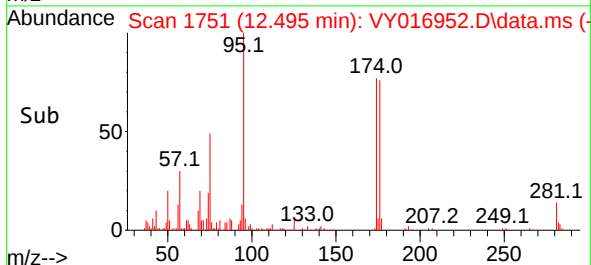
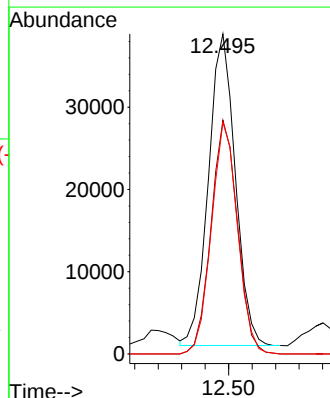
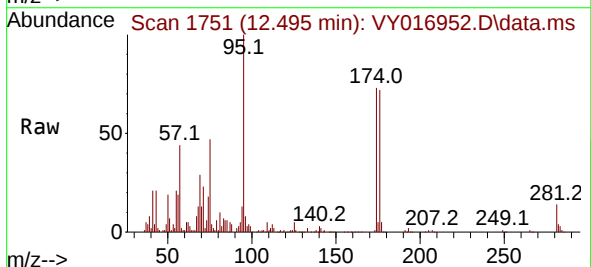
Tgt Ion: 95 Resp: 60127

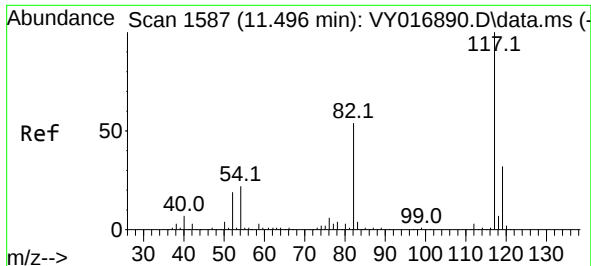
Ion Ratio Lower Upper

95 100

174 73.8 0.0 160.0

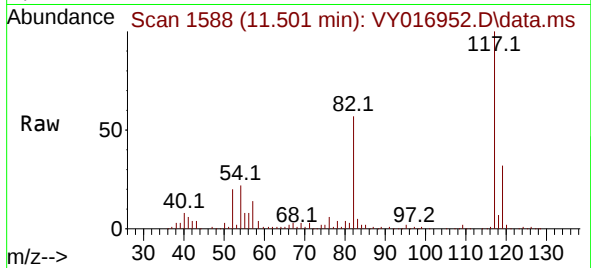
176 72.2 0.0 151.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

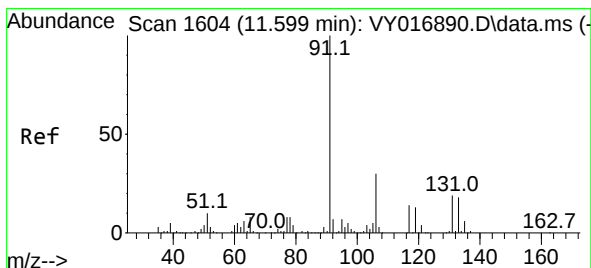
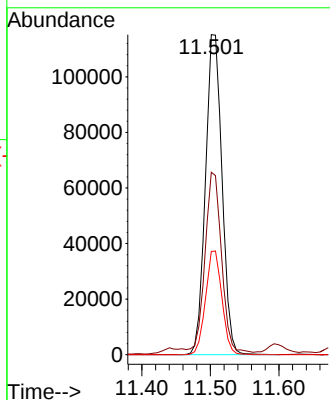
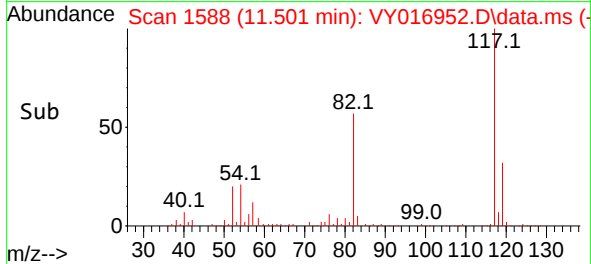
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



Tgt Ion:117 Resp: 19417
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.3 26.5 39.7

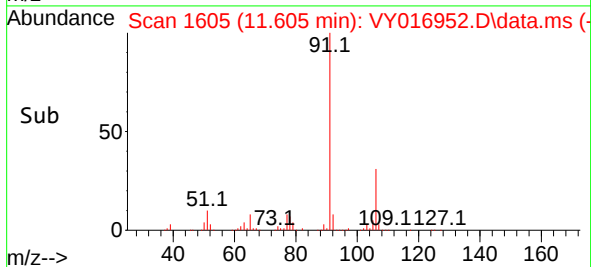
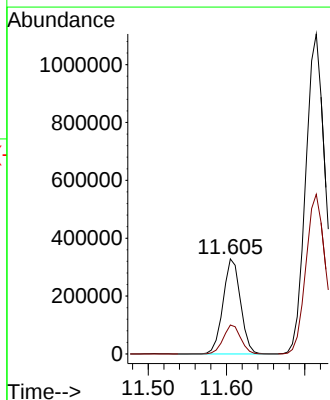
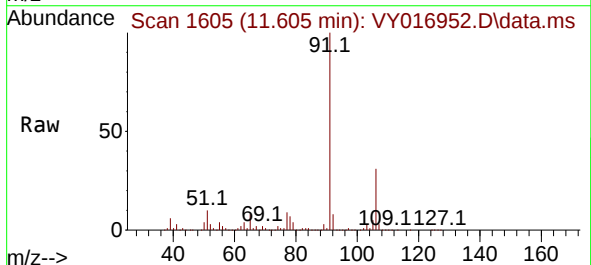
Manual Integrations
APPROVED

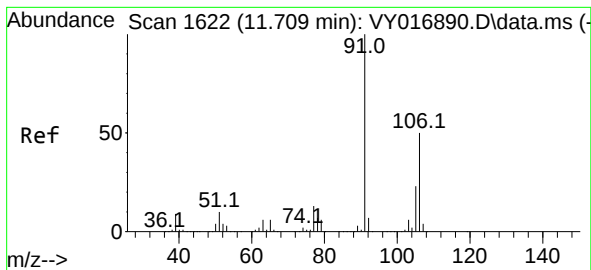
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#67
Ethyl Benzene
Concen: 69.848 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Tgt Ion: 91 Resp: 508663
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4





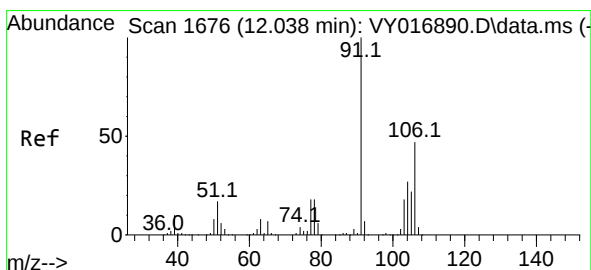
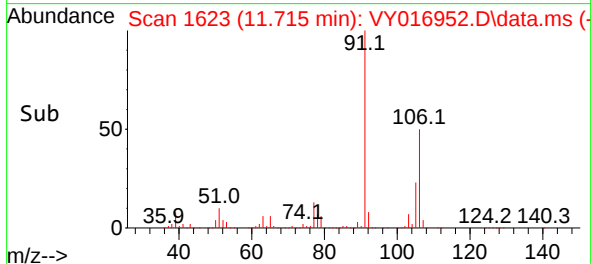
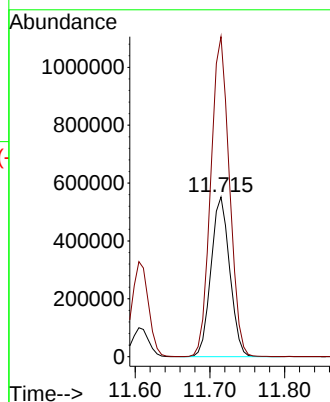
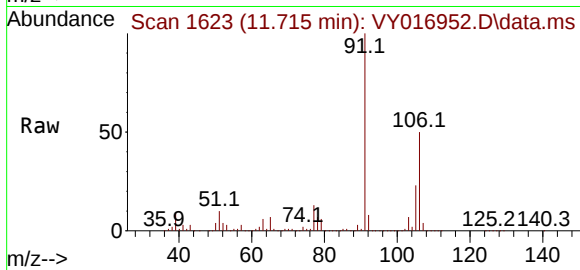
#68
m/p-Xylenes
Concen: 359.323 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB

Tgt Ion:106 Resp: 960500
Ion Ratio Lower Upper
106 100
91 200.4 160.7 241.1

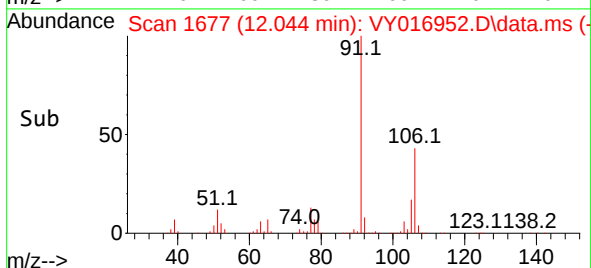
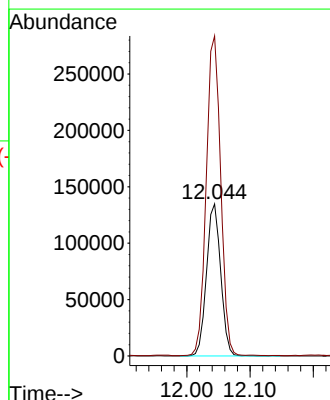
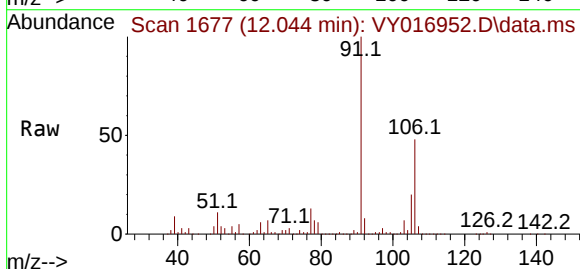
Manual Integrations
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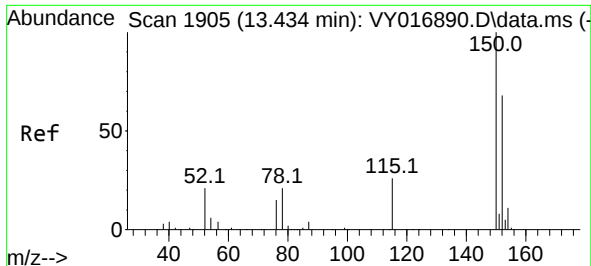
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#69
o-Xylene
Concen: 83.831 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

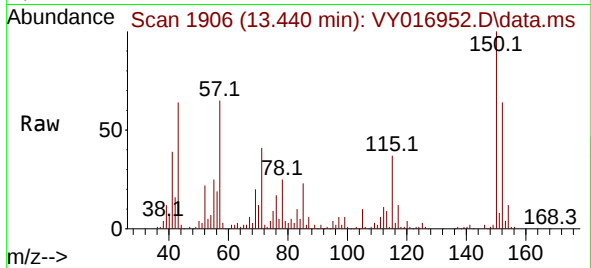
Tgt Ion:106 Resp: 210078
Ion Ratio Lower Upper
106 100
91 213.7 106.5 319.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

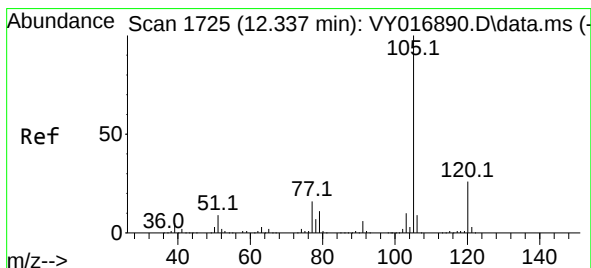
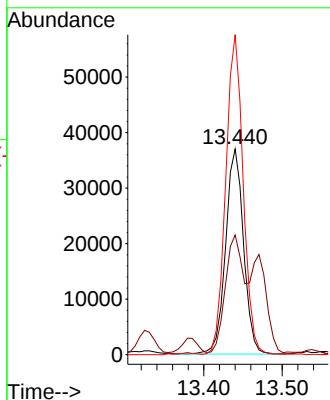
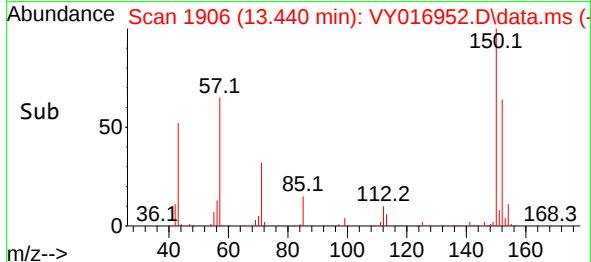
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



Tgt Ion:152 Resp: 5878
Ion Ratio Lower Upper
152 100
115 56.4 30.0 90.0
150 151.1 0.0 344.6

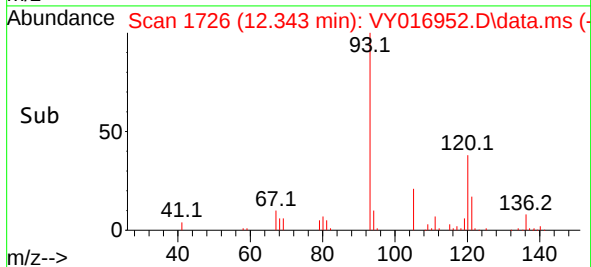
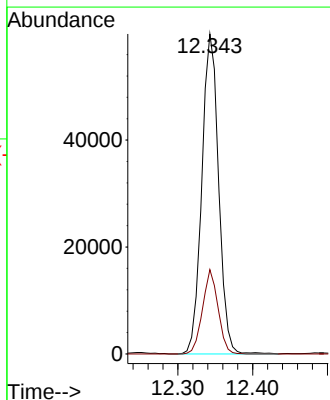
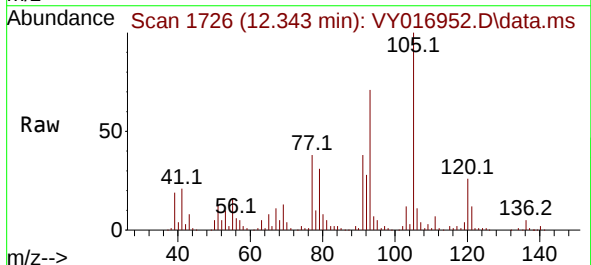
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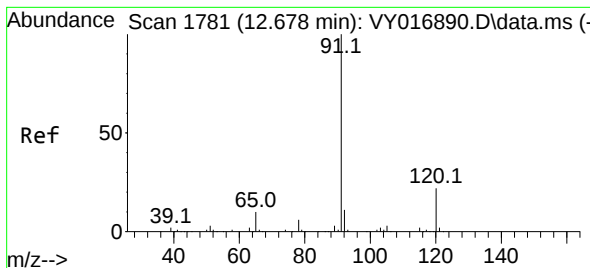
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#73
Isopropylbenzene
Concen: 19.454 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Tgt Ion:105 Resp: 93389
Ion Ratio Lower Upper
105 100
120 24.3 13.0 39.0





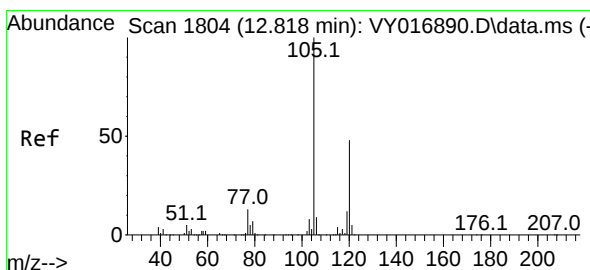
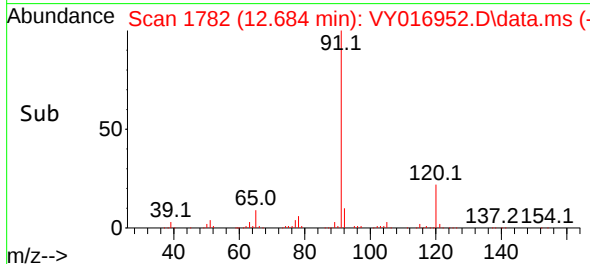
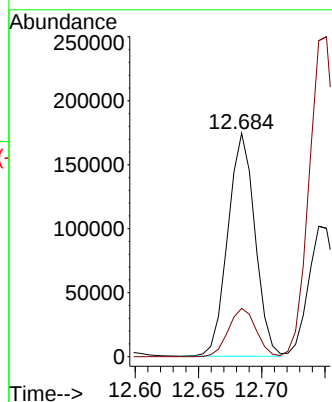
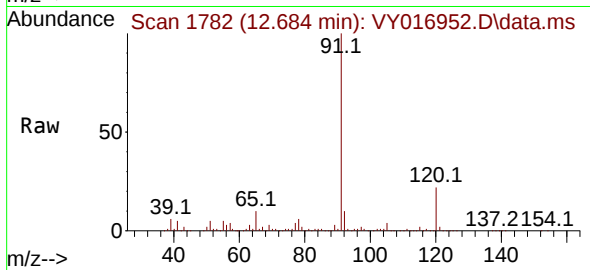
#78
n-propylbenzene
Concen: 44.446 ug/l
RT: 12.684 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB

Tgt Ion: 91 Resp: 259392
Ion Ratio Lower Upper
91 100
120 22.2 11.0 33.0

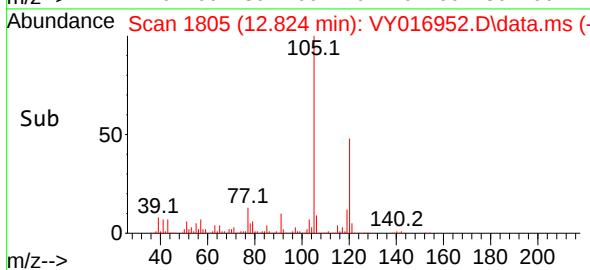
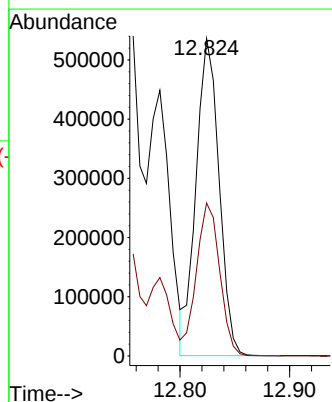
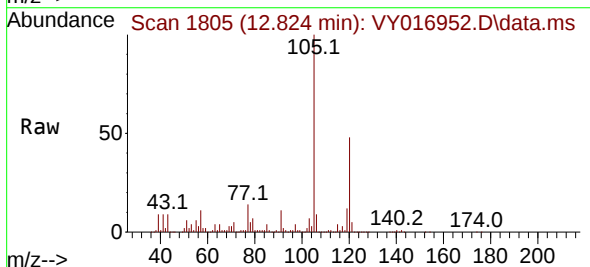
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APPROVED

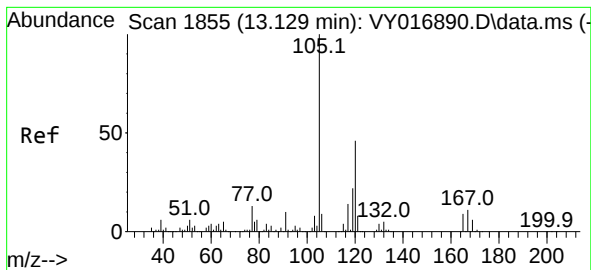
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#80
1,3,5-Trimethylbenzene
Concen: 205.465 ug/l
RT: 12.824 min Scan# 1805
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Tgt Ion:105 Resp: 780085
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 581.643 ug/l

RT: 13.135 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY016952.D

Acq: 09 Jan 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

SP-B-GRAB

Tgt Ion:105 Resp: 217475

Ion Ratio Lower Upper

105 100

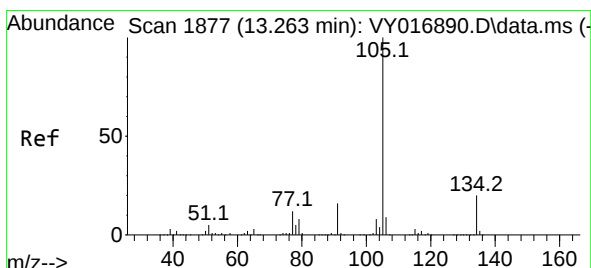
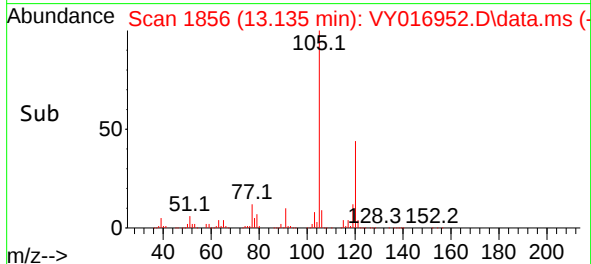
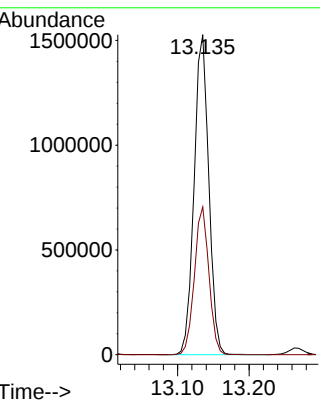
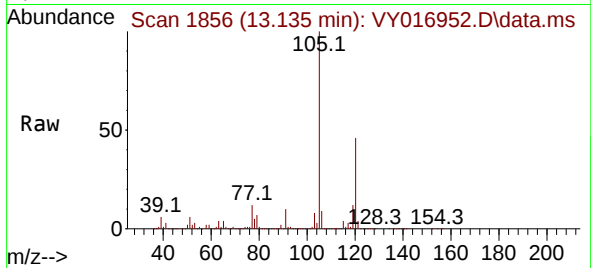
120 45.7 22.1 66.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2024

Supervised By :Semsettin Yesilyurt 01/10/2024



#85

sec-Butylbenzene

Concen: 9.715 ug/l m

RT: 13.263 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VY016952.D

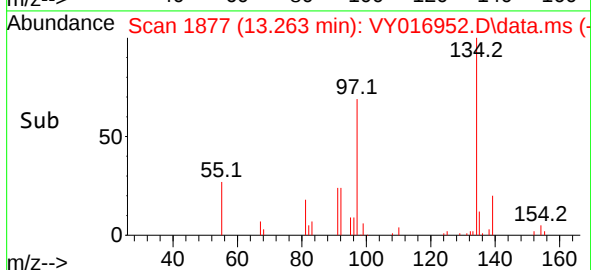
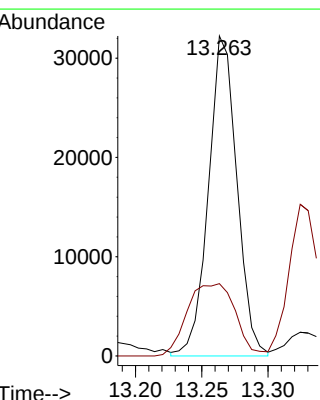
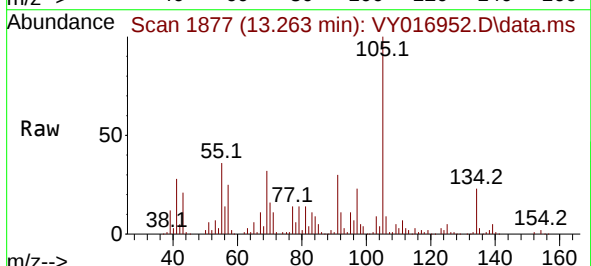
Acq: 09 Jan 2024 16:34

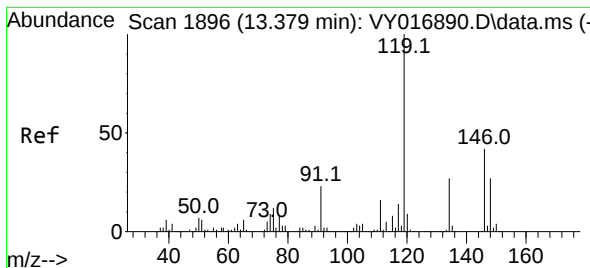
Tgt Ion:105 Resp: 48140

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#





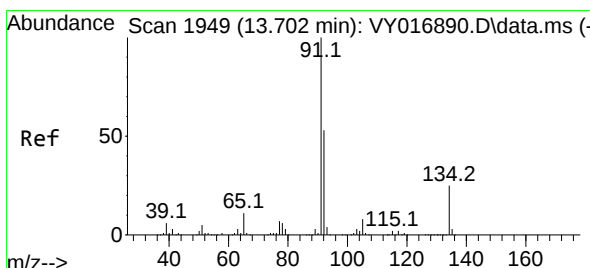
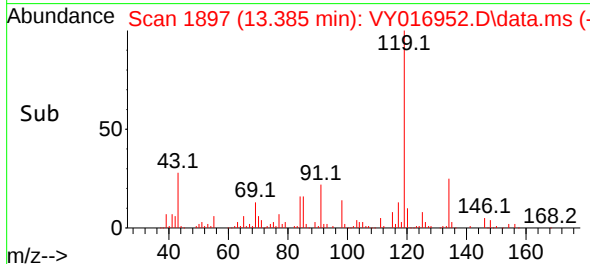
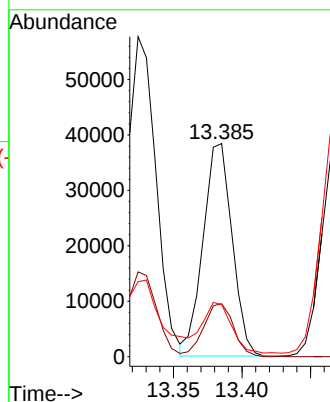
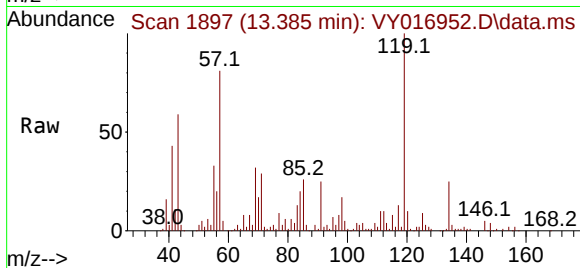
#86
p-Isopropyltoluene
Concen: 13.821 ug/l
RT: 13.385 min Scan# 119
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB

Tgt Ion:119 Resp: 56518
Ion Ratio Lower Upper
119 100
134 25.6 13.1 39.1
91 23.9 11.7 35.0

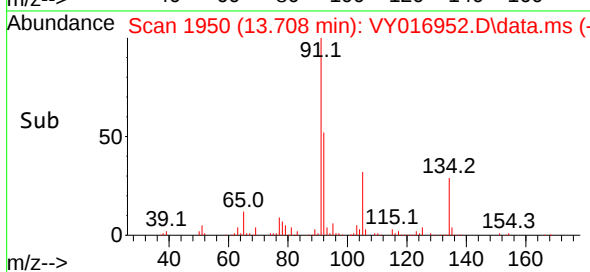
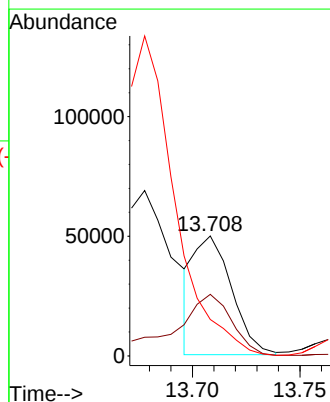
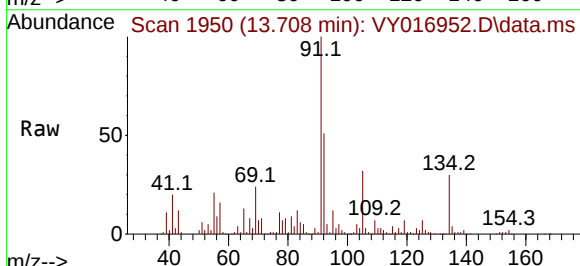
Manual Integrations
APPROVED

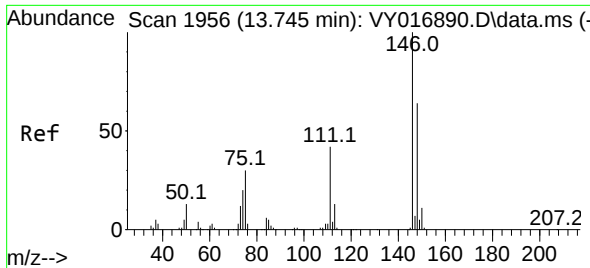
Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#89
n-Butylbenzene
Concen: 15.378 ug/l m
RT: 13.708 min Scan# 1950
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

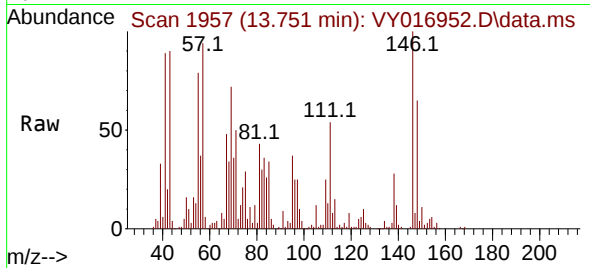
Tgt Ion: 91 Resp: 60463
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2#
134 382.6 12.3 36.8#





#91
1,2-Dichlorobenzene
Concen: 27.820 ug/l
RT: 13.751 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34

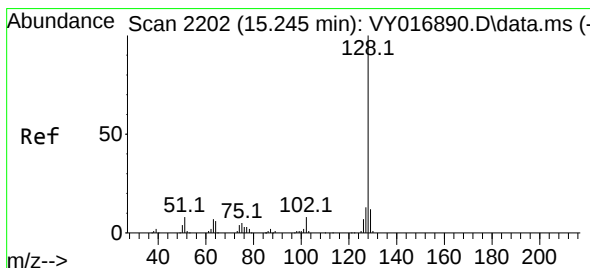
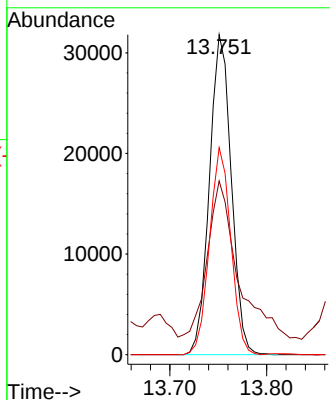
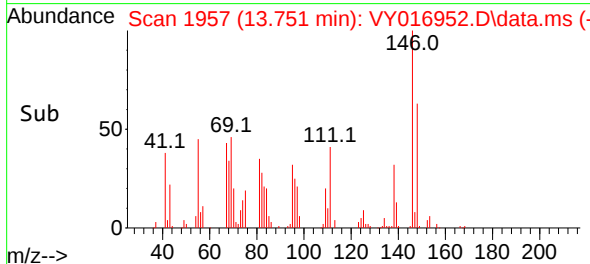
Instrument :
MSVOA_Y
ClientSampleId :
SP-B-GRAB



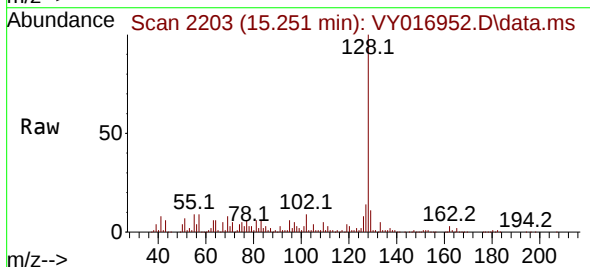
Tgt Ion:146 Resp: 49830
Ion Ratio Lower Upper
146 100
111 69.5 20.5 61.6
148 63.3 31.4 94.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2024
Supervised By :Semsettin Yesilyurt 01/10/2024



#95
Naphthalene
Concen: 137.404 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016952.D
Acq: 09 Jan 2024 16:34



Tgt Ion:128 Resp: 268878
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.4
129 11.1 8.6 12.8

