

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
 Data File : VY016237.D
 Acq On : 06 Nov 2023 15:19
 Operator : SY/MD
 Sample : 05253-01
 Misc : 6.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L-1(65FT)(5-10)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 06 23:58:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	112269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	195055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	182893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	62327	59.329	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.660%			
35) Dibromofluoromethane	7.722	113	54016	46.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.900%			
50) Toluene-d8	10.185	98	234319	50.823	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.489	95	82405	52.269	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.540%			
Target Compounds					Qvalue	
16) Acetone	3.954	43	14688	74.166	ug/l	99
17) Carbon Disulfide	4.210	76	3041	1.371	ug/l #	82
20) Methylene Chloride	4.729	84	11501	8.219	ug/l #	81
25) 2-Butanone	7.003	43	4187	14.446	ug/l #	86
31) Cyclohexane	7.801	56	8946	5.540	ug/l #	72
39) Methylcyclohexane	9.191	83	37303	18.611	ug/l	94
40) Benzene	8.173	78	27056	5.612	ug/l	94
44) Trichloroethene	8.947	130	4903	3.476	ug/l	97
52) Toluene	10.252	92	55092	17.636	ug/l	95
64) Tetrachloroethene	10.727	164	9105	5.597	ug/l	94
67) Ethyl Benzene	11.599	91	89755	13.810	ug/l	99
68) m/p-Xylenes	11.703	106	99997	39.817	ug/l	97
69) o-Xylene	12.038	106	80678	33.646	ug/l	99
73) Isopropylbenzene	12.337	105	42681	6.677	ug/l	98
78) n-propylbenzene	12.678	91	108497	14.356	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	254783	49.196	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	721034	140.702	ug/l	97
85) sec-Butylbenzene	13.258	105	81737	12.018	ug/l	88
86) p-Isopropyltoluene	13.373	119	69411m	12.314	ug/l	
89) n-Butylbenzene	13.703	91	79985	15.443	ug/l #	70

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

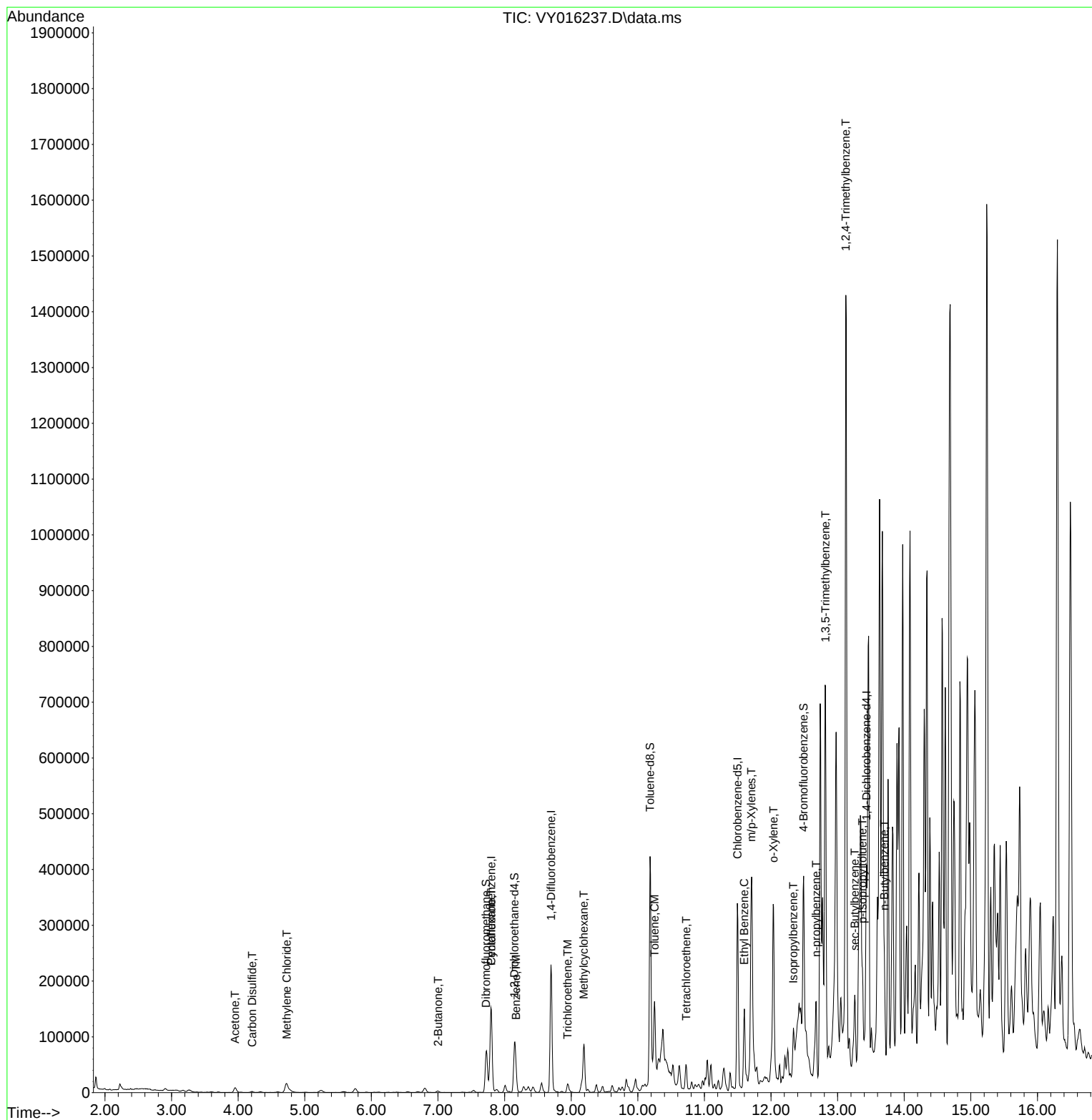
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110623\
Data File : VY016237.D
Acq On : 06 Nov 2023 15:19
Operator : SY/MD
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Misc : 6.65g/5.0mL/MSVOA_Y/SOIL
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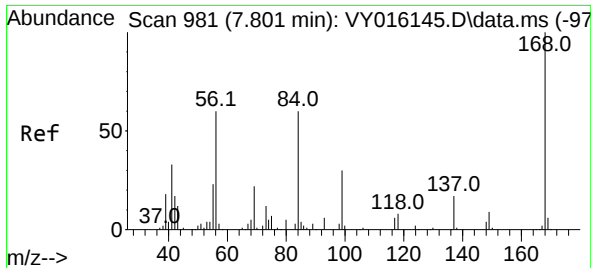
Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

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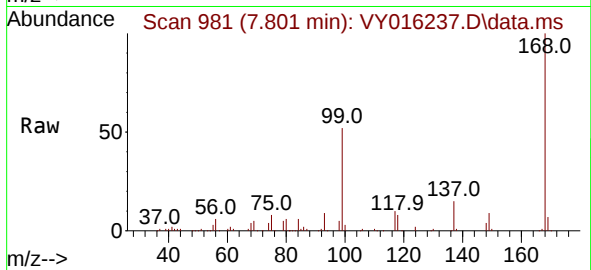
Quant Time: Nov 06 23:58:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

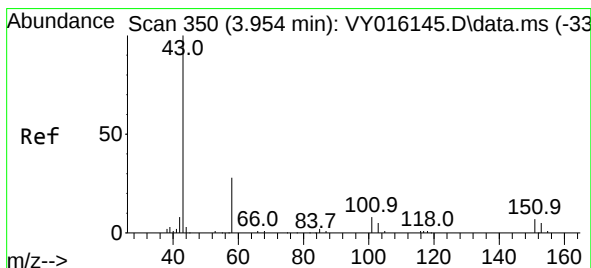
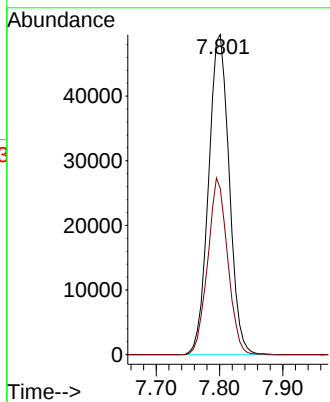
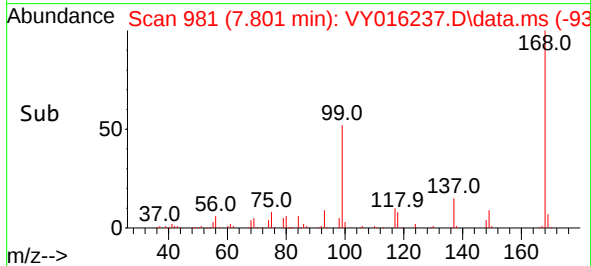
Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:168 Resp: 112269
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0

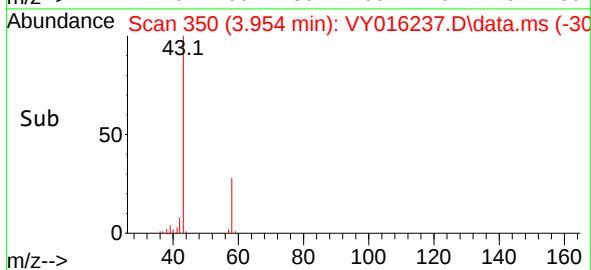
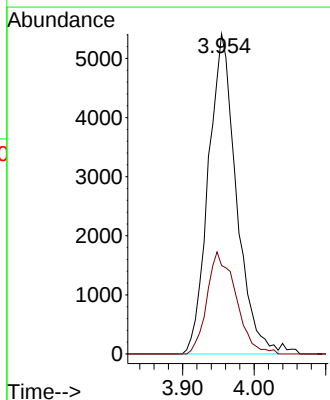
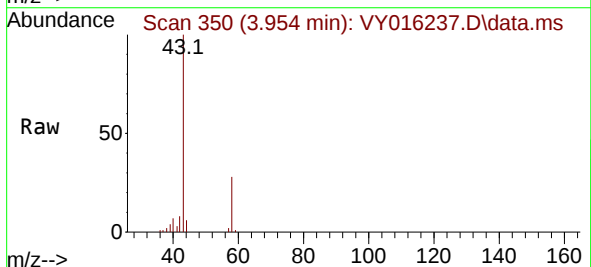
Manual Integrations
APPROVED

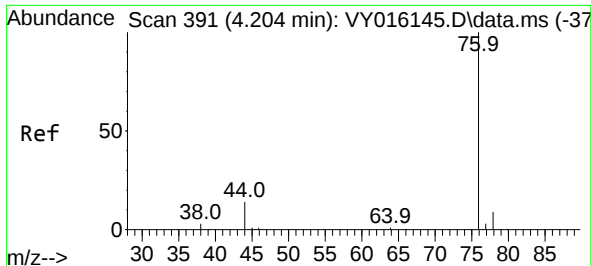
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#16
Acetone
Concen: 74.166 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

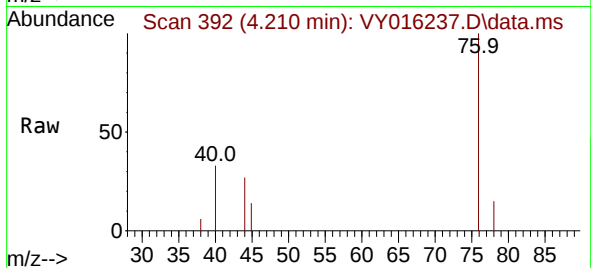
Tgt Ion: 43 Resp: 14688
Ion Ratio Lower Upper
43 100
58 27.7 22.7 34.1





#17
Carbon Disulfide
Concen: 1.371 ug/l
RT: 4.210 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

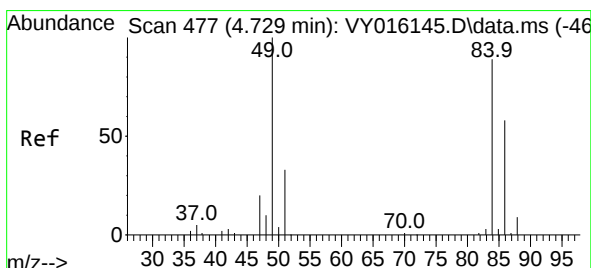
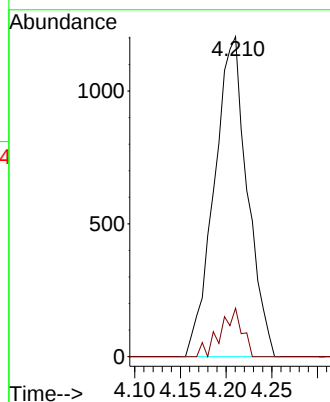
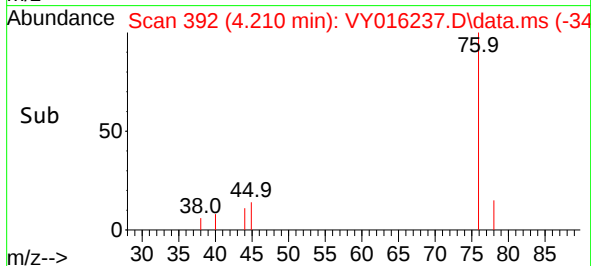
Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)



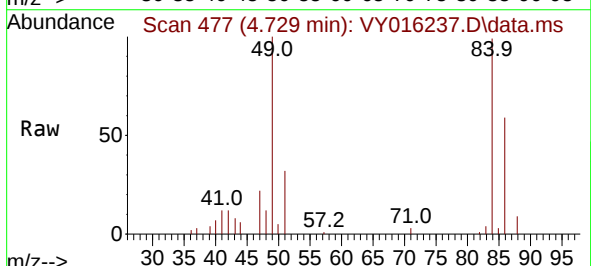
Tgt Ion: 76 Resp: 304
Ion Ratio Lower Upper
76 100
78 15.2 7.0 10.4

Manual Integrations
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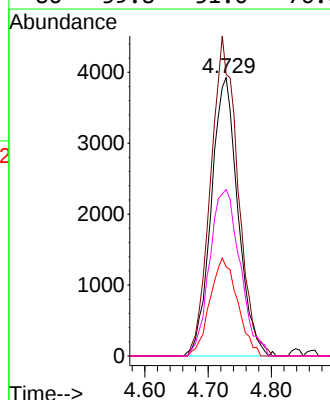
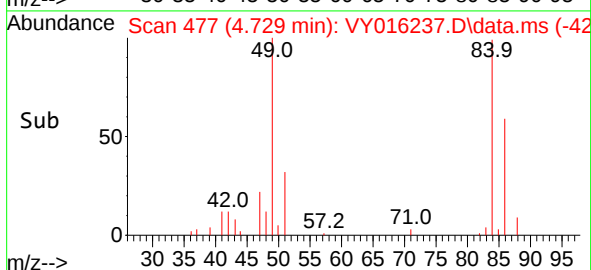
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023

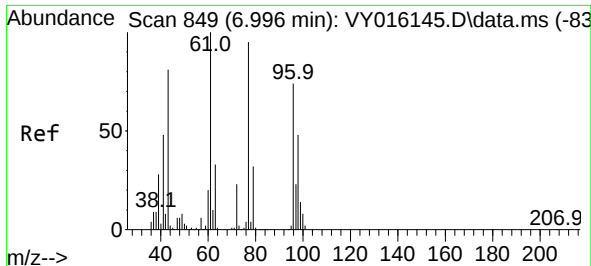


#20
Methylene Chloride
Concen: 8.219 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19



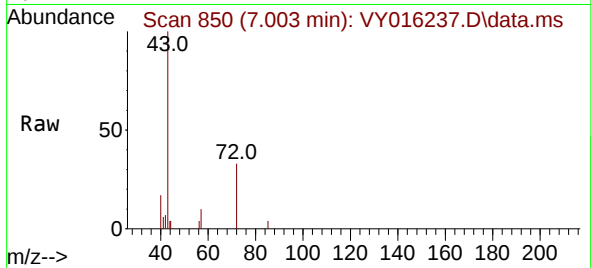
Tgt Ion: 84 Resp: 11501
Ion Ratio Lower Upper
84 100
49 101.3 106.9 160.3#
51 32.0 33.2 49.8#
86 59.8 51.0 76.6





#25
2-Butanone
Concen: 14.446 ug/l
RT: 7.003 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

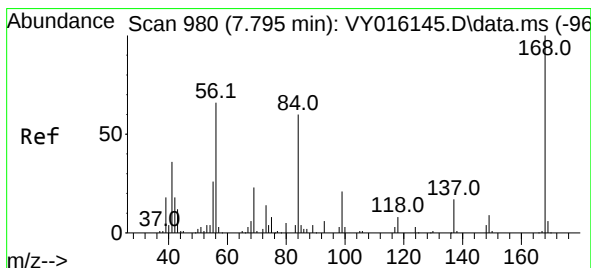
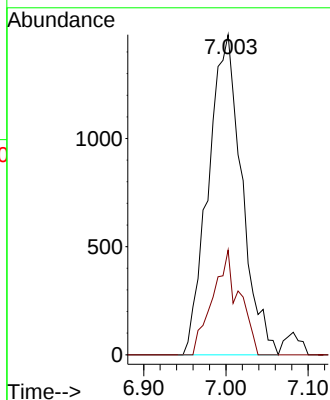
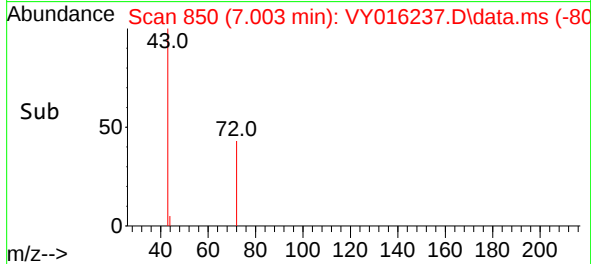
Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
72 32.7 20.5 30.7

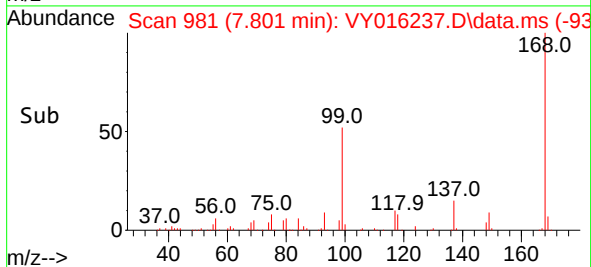
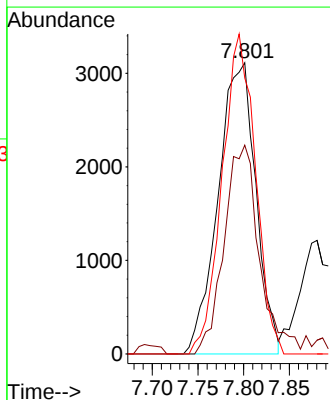
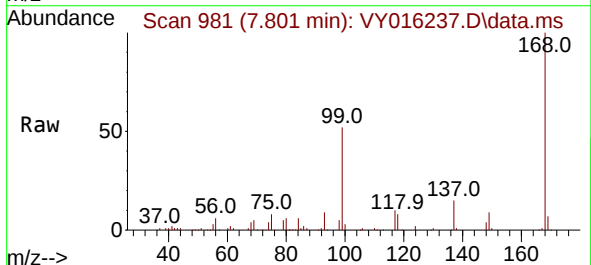
Manual Integrations
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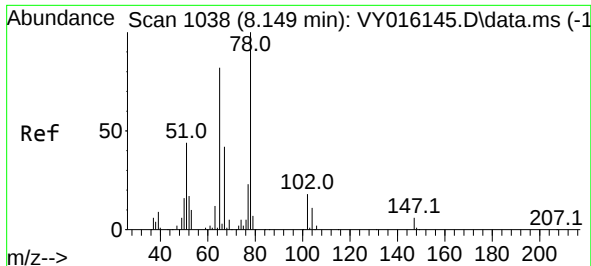
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#31
Cyclohexane
Concen: 5.540 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion: 56 Resp: 8946
Ion Ratio Lower Upper
56 100
69 71.7 27.8 41.6#
84 94.8 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 59.329 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY016237.D

Acq: 06 Nov 2023 15:19

Instrument :

MSVOA_Y

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion: 65 Resp: 6232

Ion Ratio Lower Upper

65 100

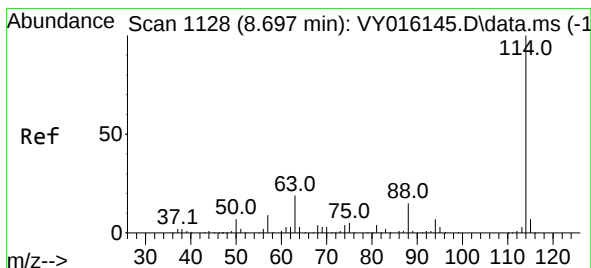
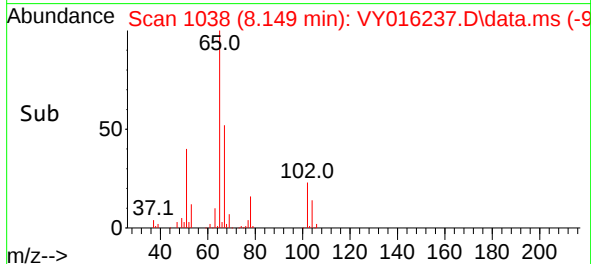
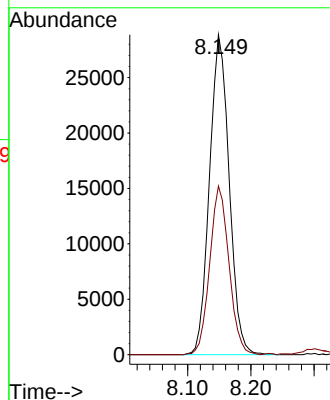
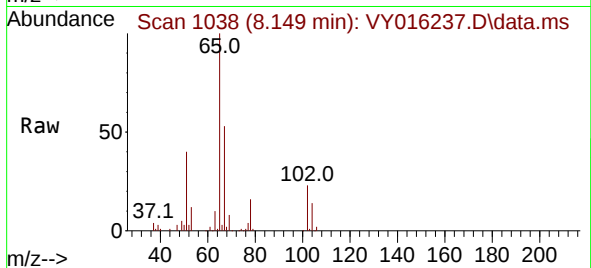
67 51.5 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 11/07/2023

Supervised By :Mahesh Dadoda 11/07/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY016237.D

Acq: 06 Nov 2023 15:19

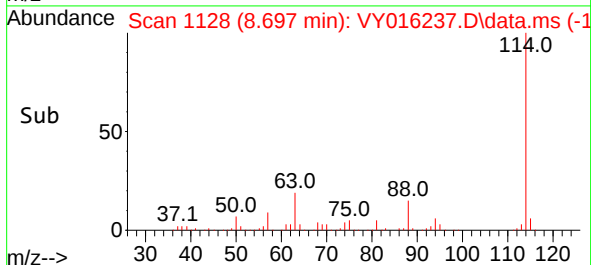
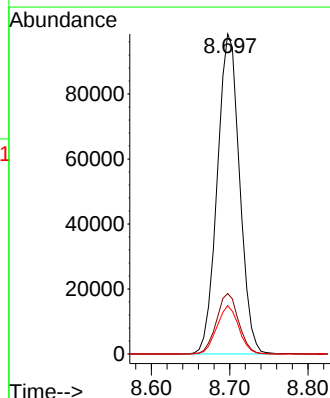
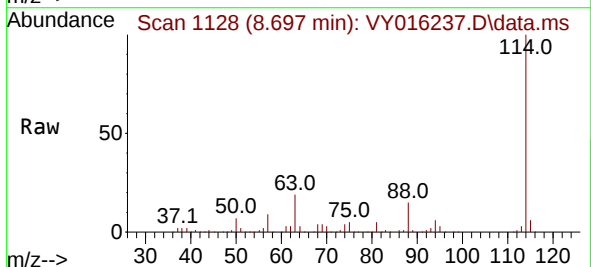
Tgt Ion:114 Resp: 195055

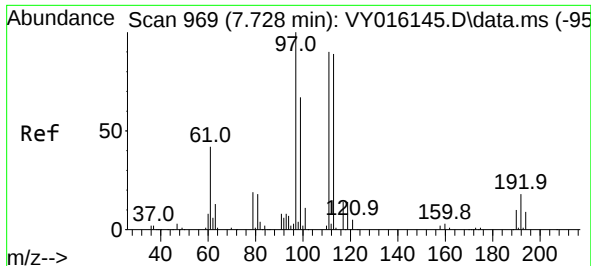
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

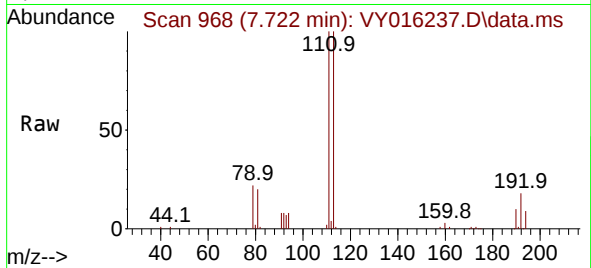
88 15.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 46.451 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

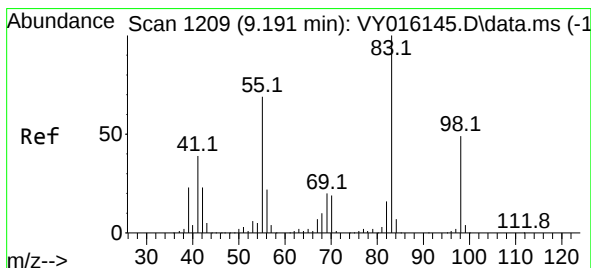
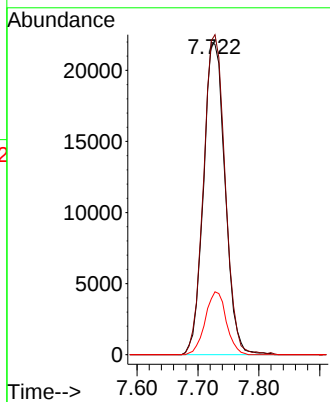
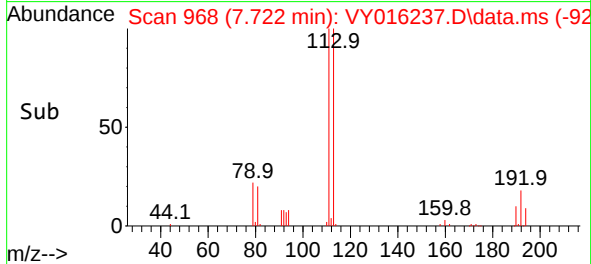
Instrument :
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Tgt Ion:113 Resp: 54010
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.7 16.9 25.3

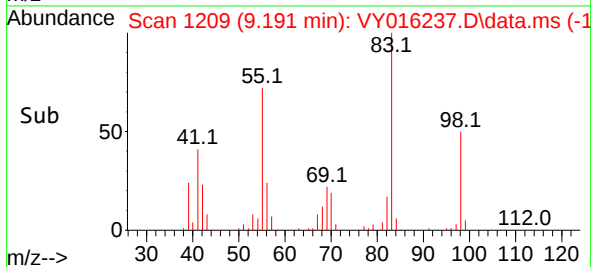
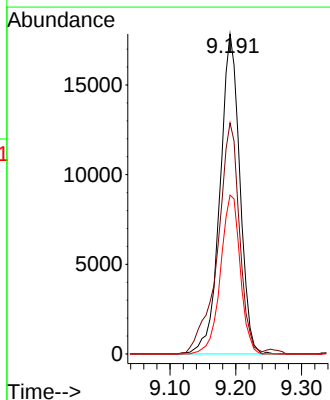
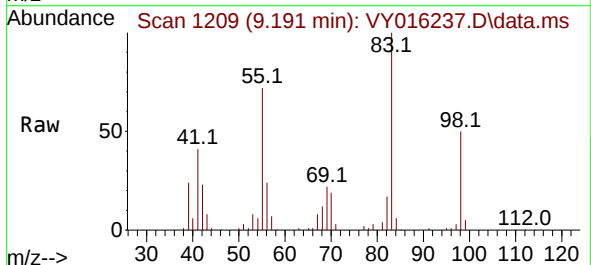
Manual Integrations
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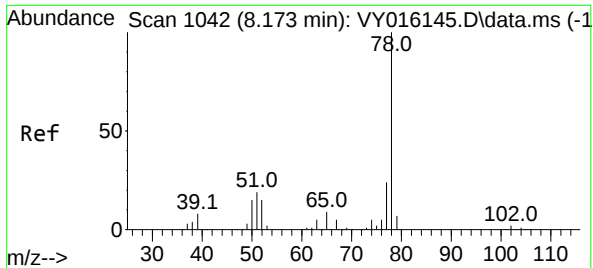
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#39
Methylcyclohexane
Concen: 18.611 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion: 83 Resp: 37303
Ion Ratio Lower Upper
83 100
55 72.2 63.0 94.4
98 49.6 37.4 56.2





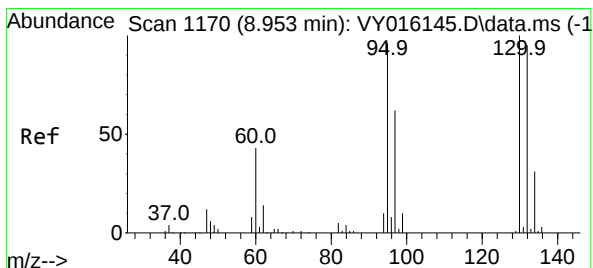
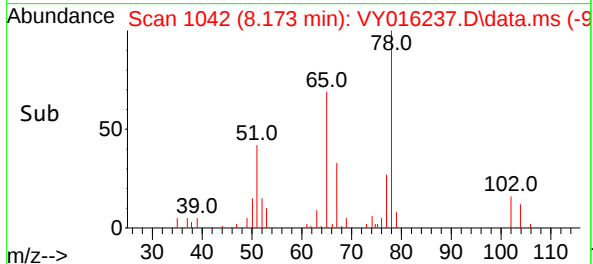
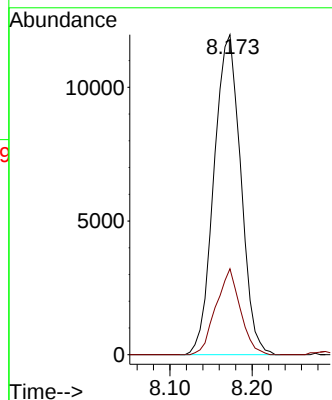
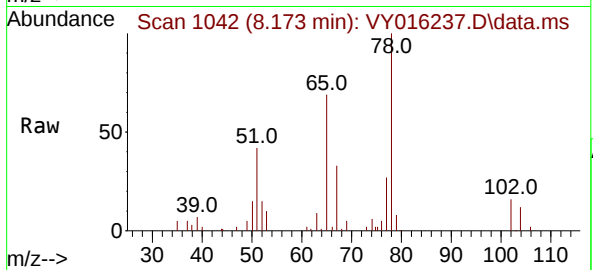
#40
Benzene
Concen: 5.612 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion: 78 Resp: 27050
Ion Ratio Lower Upper
78 100
77 26.9 19.0 28.6

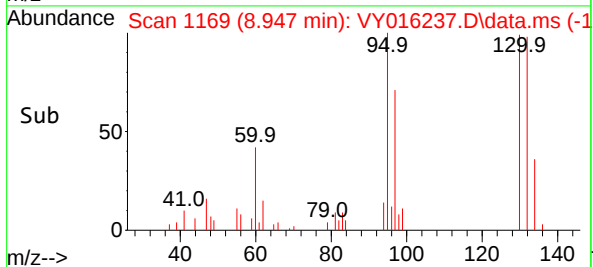
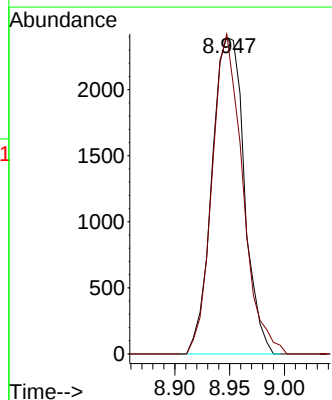
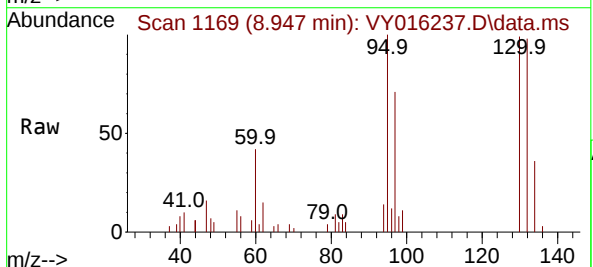
Manual Integrations
APPROVED

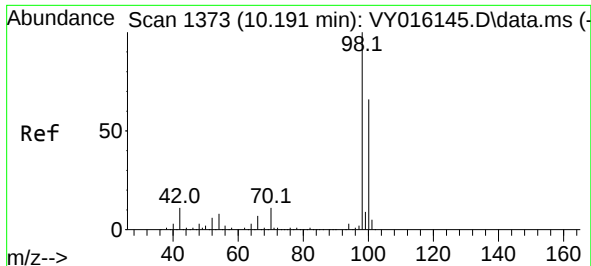
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#44
Trichloroethene
Concen: 3.476 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion:130 Resp: 4903
Ion Ratio Lower Upper
130 100
95 101.1 0.0 196.0





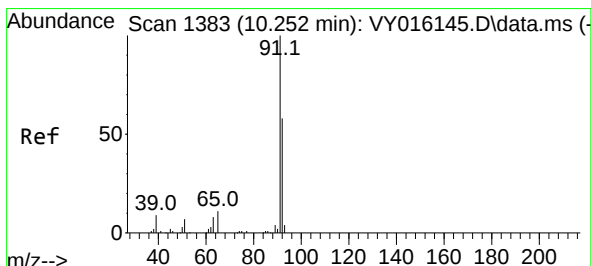
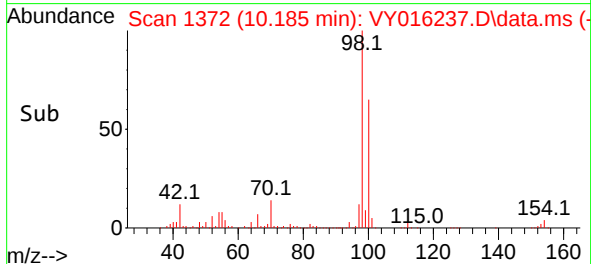
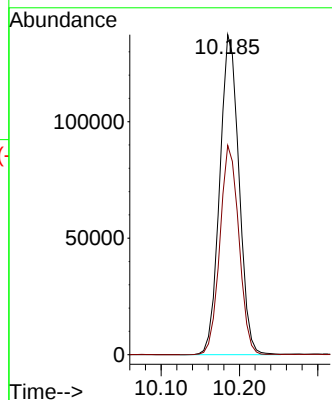
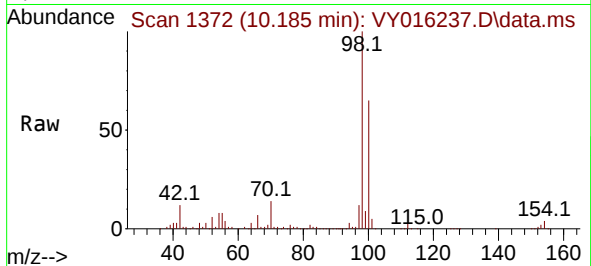
#50
Toluene-d8
Concen: 50.823 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion: 98 Resp: 234319
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

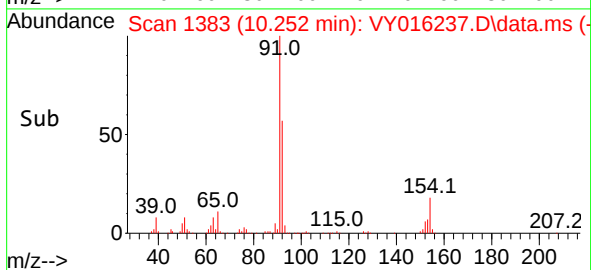
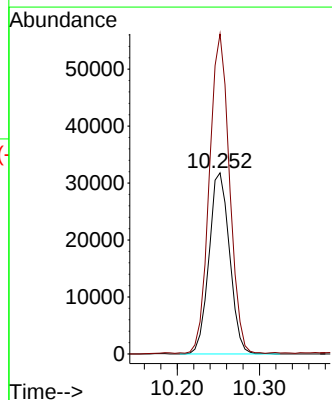
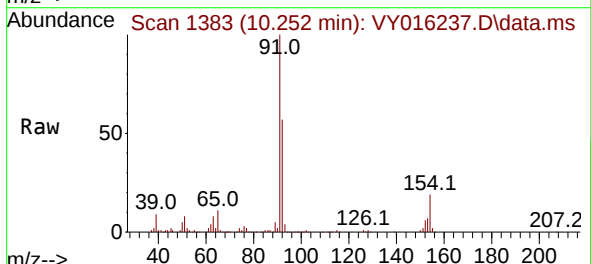
Manual Integrations
APPROVED

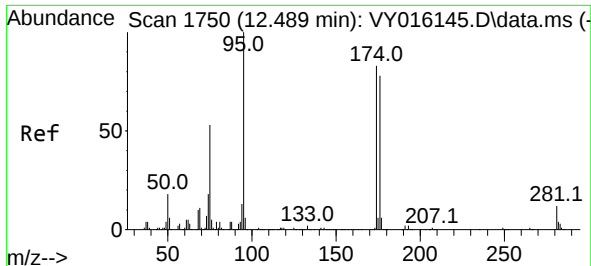
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#52
Toluene
Concen: 17.636 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion: 92 Resp: 55092
Ion Ratio Lower Upper
92 100
91 172.8 143.8 215.6





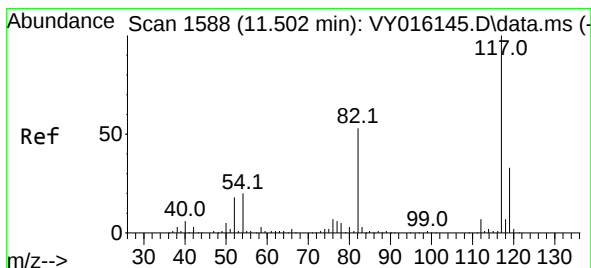
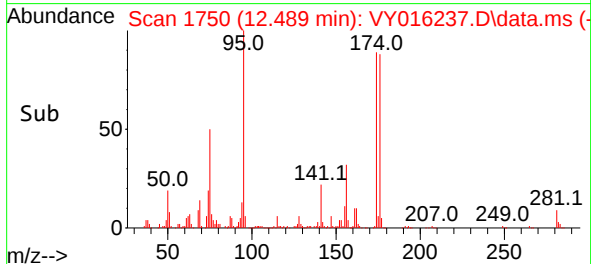
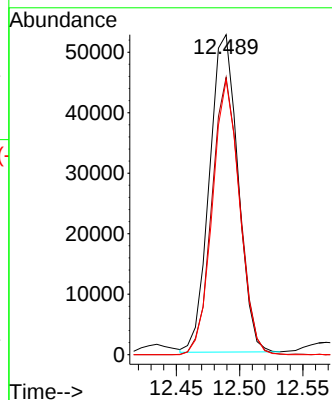
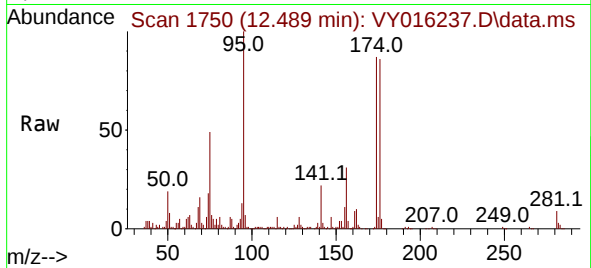
#62
4-Bromofluorobenzene
Concen: 52.269 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion: 95 Resp: 8240
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 82.2 0.0 173.8

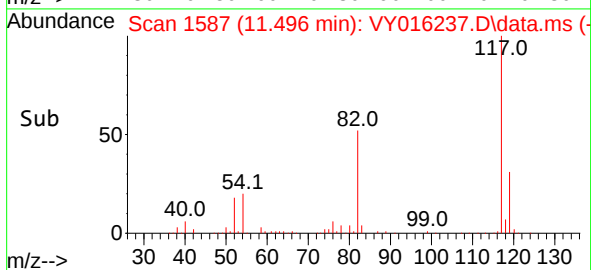
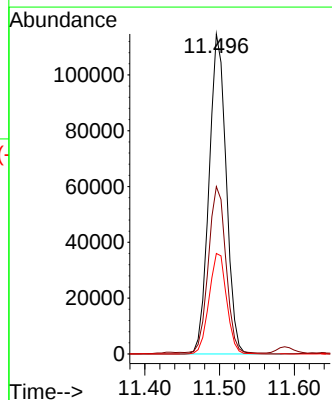
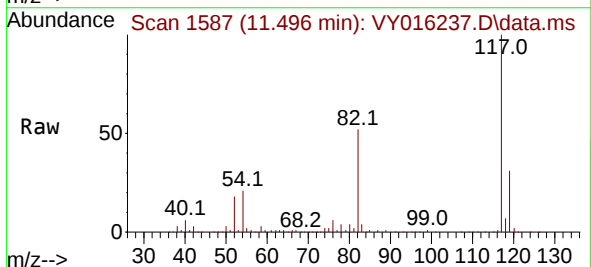
Manual Integrations
APPROVED

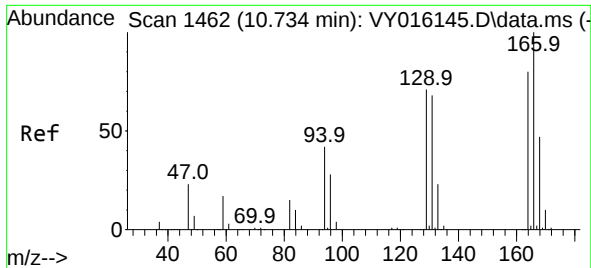
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

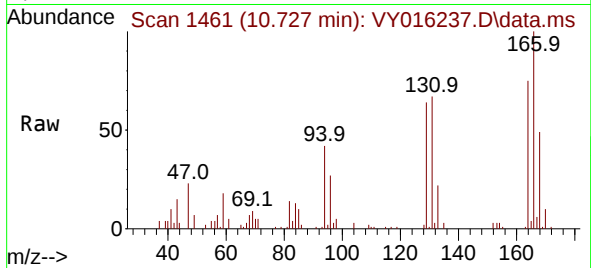
Tgt Ion:117 Resp: 182893
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 31.4 26.3 39.5





#64
Tetrachloroethene
Concen: 5.597 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

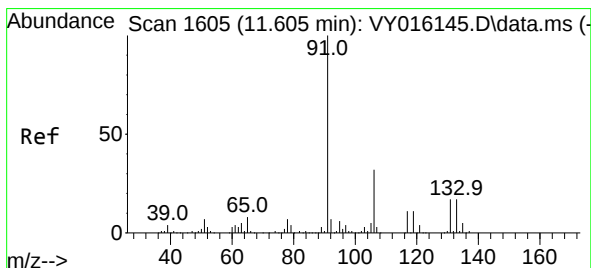
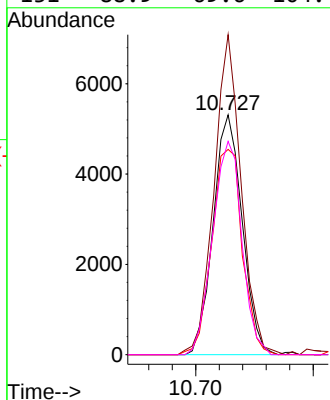
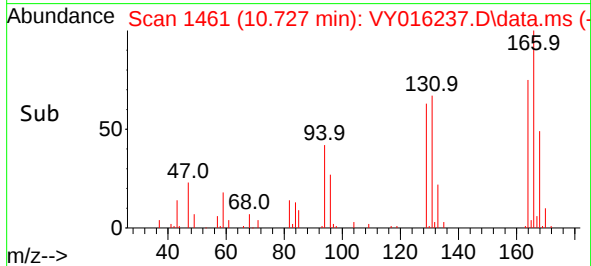
Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)



Tgt Ion:164 Resp: 910
Ion Ratio Lower Upper
164 100
166 133.4 103.0 154.6
129 85.6 77.2 115.8
131 88.9 69.6 104.4

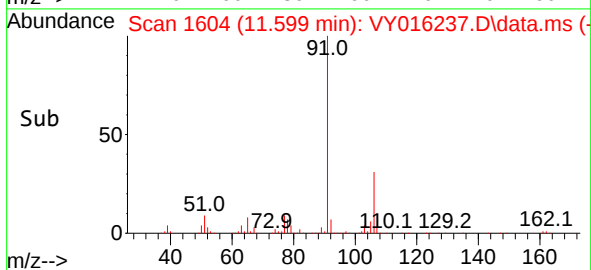
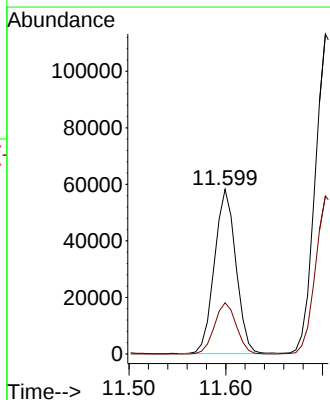
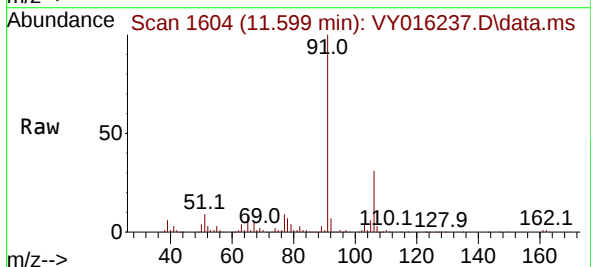
Manual Integrations
APPROVED

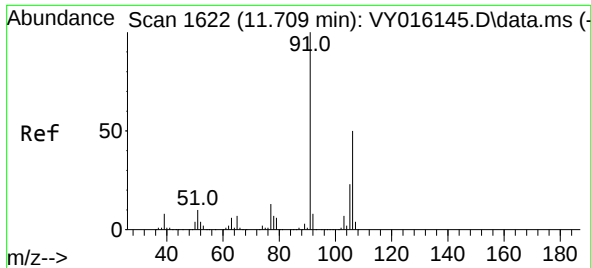
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#67
Ethyl Benzene
Concen: 13.810 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion: 91 Resp: 89755
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8





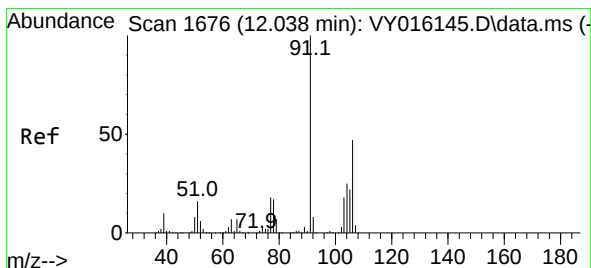
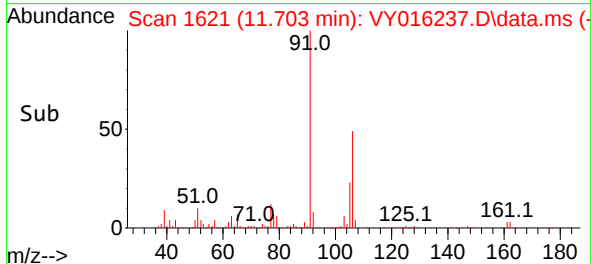
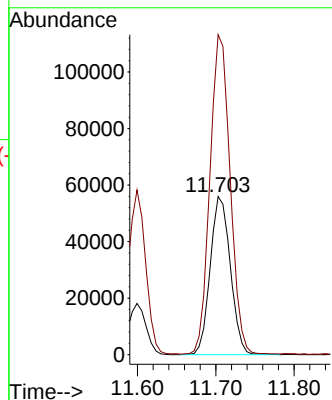
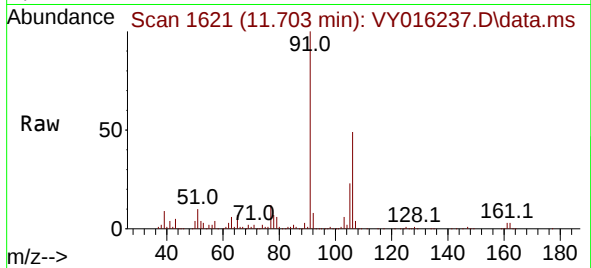
#68
m/p-Xylenes
Concen: 39.817 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion:106 Resp: 9999
Ion Ratio Lower Upper
106 100
91 202.3 166.1 249.1

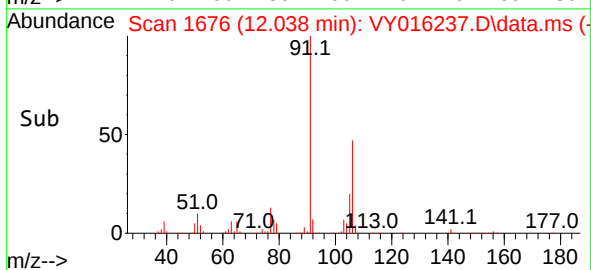
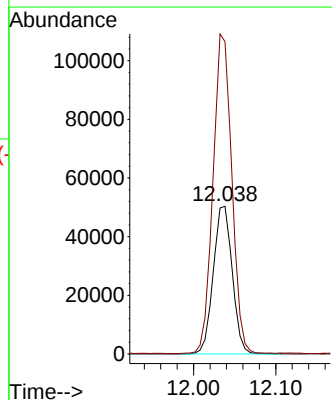
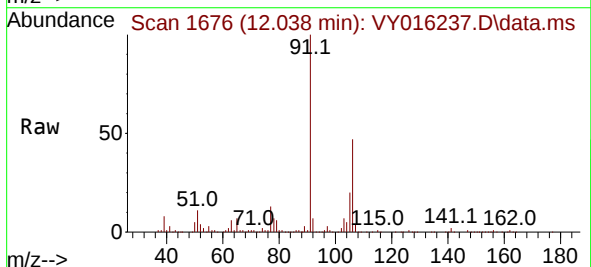
Manual Integrations
APPROVED

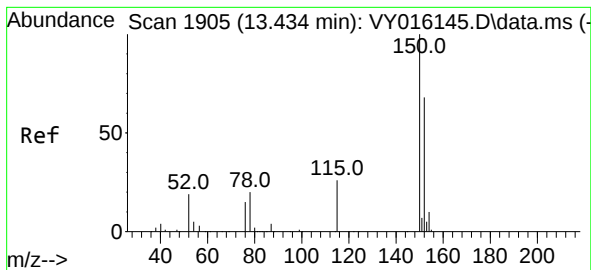
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#69
o-Xylene
Concen: 33.646 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion:106 Resp: 80678
Ion Ratio Lower Upper
106 100
91 214.8 108.1 324.3





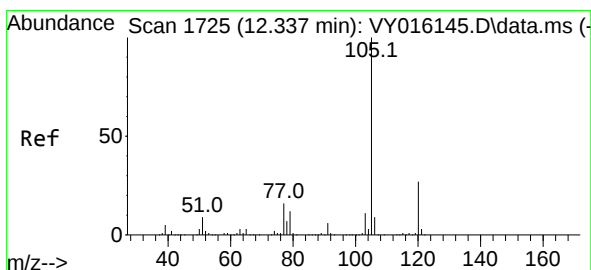
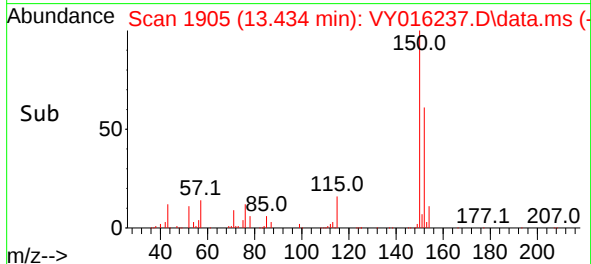
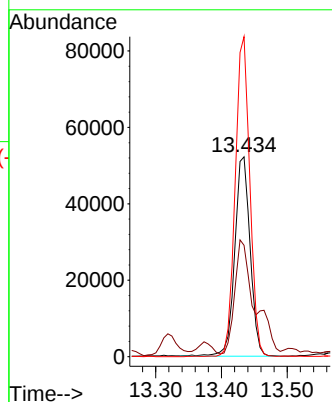
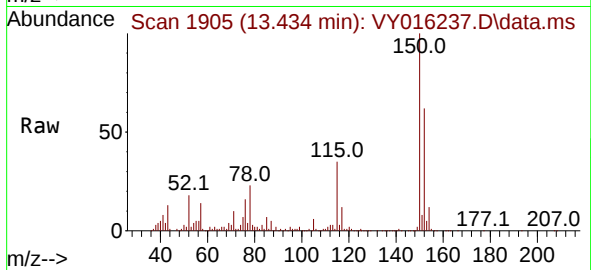
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion:152 Resp: 85218
Ion Ratio Lower Upper
152 100
115 73.7 28.8 86.5
150 151.3 0.0 348.8

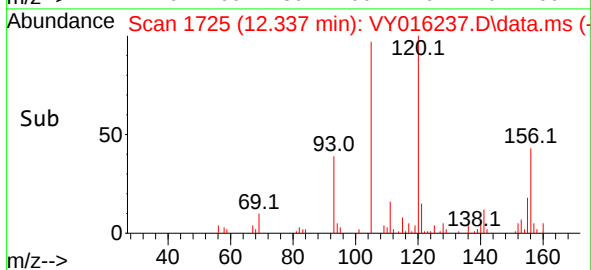
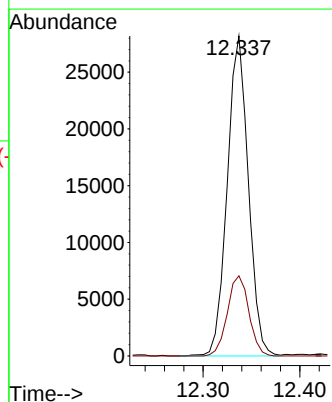
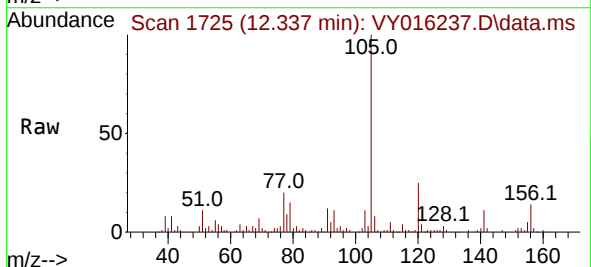
Manual Integrations
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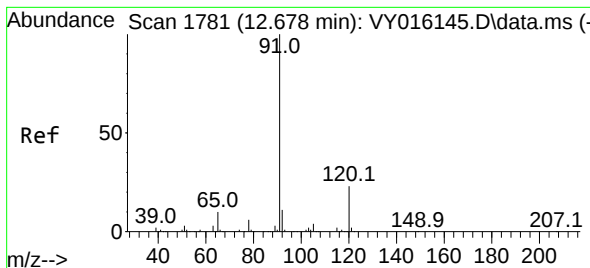
Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#73
Isopropylbenzene
Concen: 6.677 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion:105 Resp: 42681
Ion Ratio Lower Upper
105 100
120 25.5 13.3 39.9





#78

n-propylbenzene

Concen: 14.356 ug/l

RT: 12.678 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016237.D

Acq: 06 Nov 2023 15:19

Instrument :

MSVOA_Y

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion: 91 Resp: 10849

Ion Ratio Lower Upper

91 100

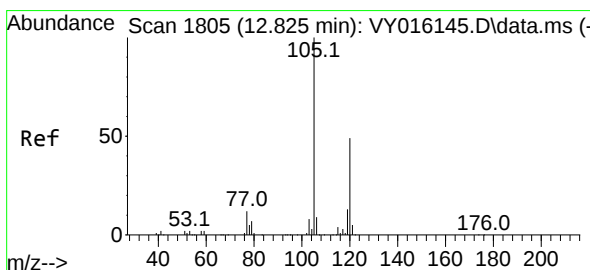
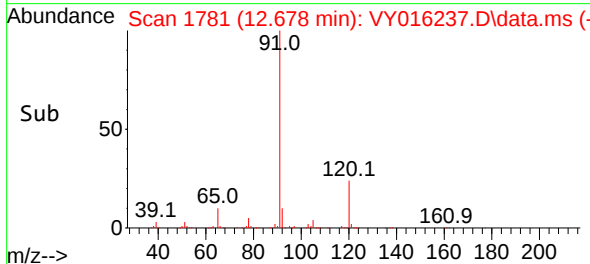
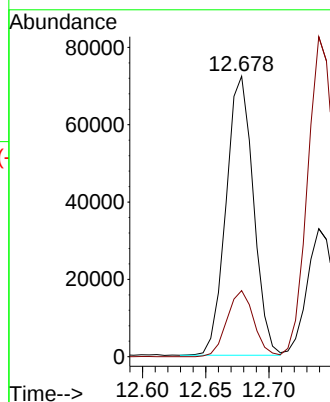
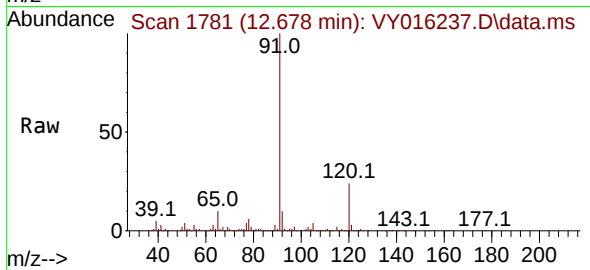
120 23.4 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/07/2023

Supervised By :Mahesh Dadoda 11/07/2023



#80

1,3,5-Trimethylbenzene

Concen: 49.196 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016237.D

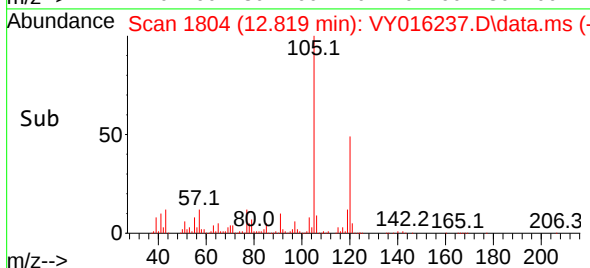
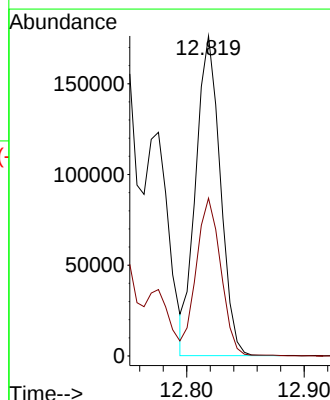
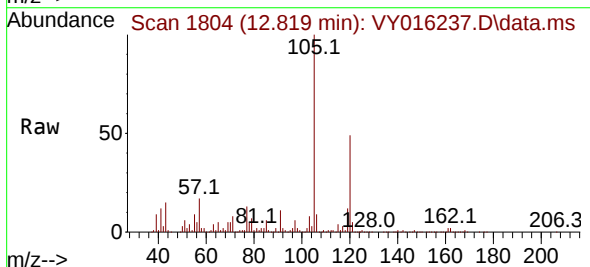
Acq: 06 Nov 2023 15:19

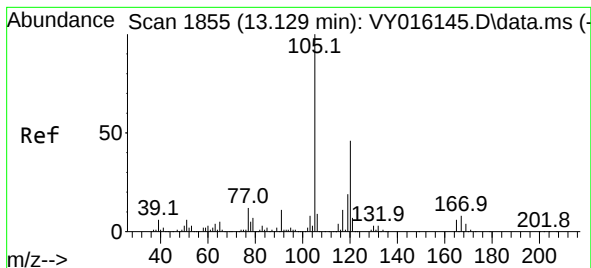
Tgt Ion:105 Resp: 254783

Ion Ratio Lower Upper

105 100

120 49.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 140.702 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY016237.D

Acq: 06 Nov 2023 15:19

Instrument :

MSVOA_Y

ClientSampleId :

L-1(65FT)(5-10)

Tgt Ion:105 Resp: 721034

Ion Ratio Lower Upper

105 100

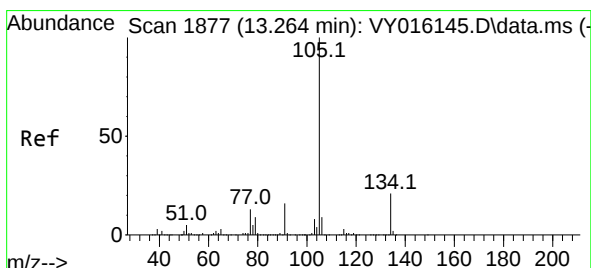
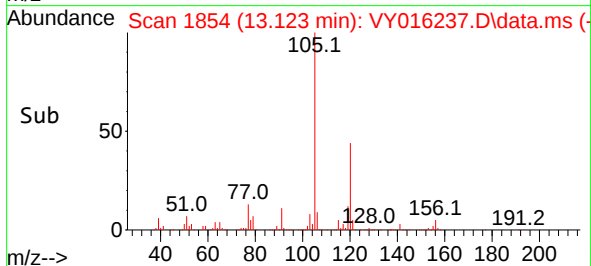
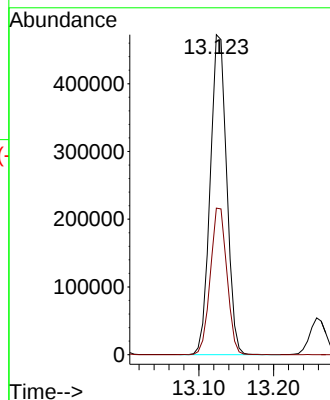
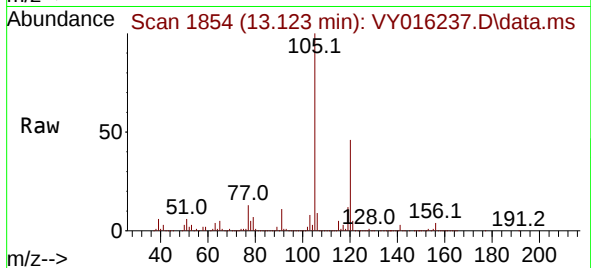
120 46.2 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/07/2023

Supervised By :Mahesh Dadoda 11/07/2023



#85

sec-Butylbenzene

Concen: 12.018 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VY016237.D

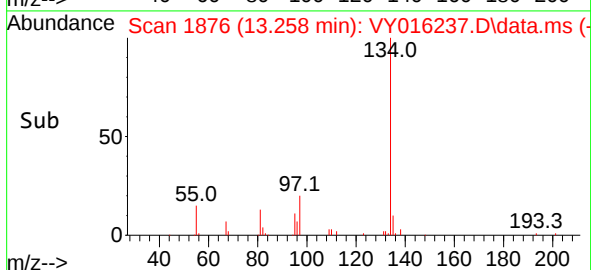
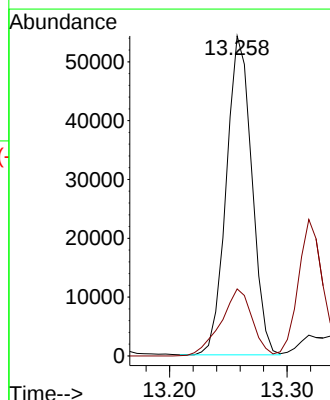
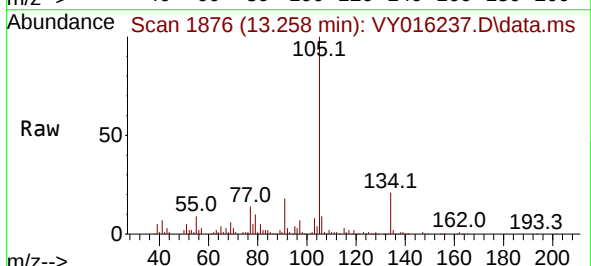
Acq: 06 Nov 2023 15:19

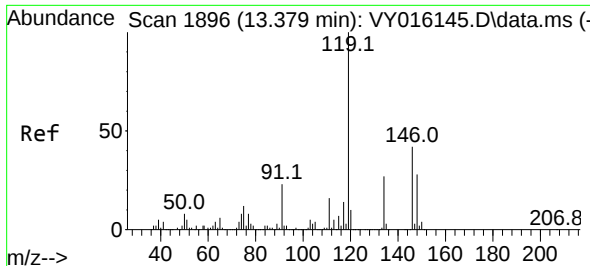
Tgt Ion:105 Resp: 81737

Ion Ratio Lower Upper

105 100

134 25.8 10.2 30.6





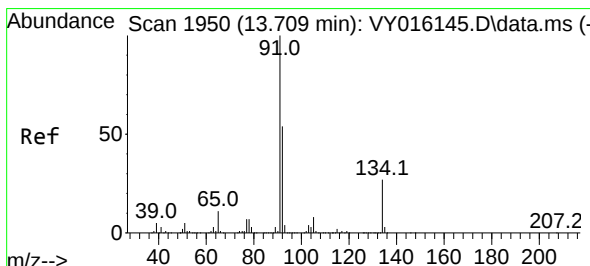
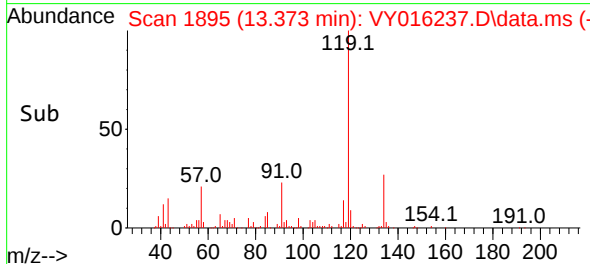
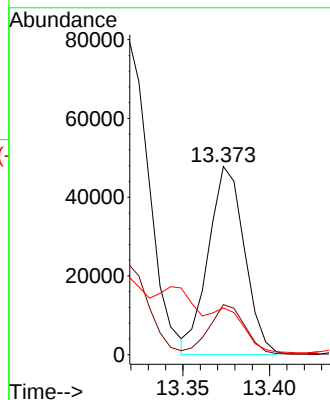
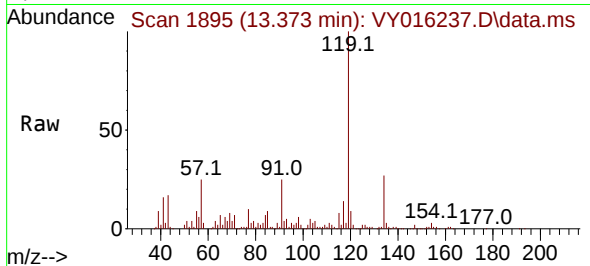
#86
p-Isopropyltoluene
Concen: 12.314 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
L-1(65FT)(5-10)

Tgt Ion:119 Resp: 6941
Ion Ratio Lower Upper
119 100
134 48.3 13.3 39.8
91 38.3 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/07/2023
Supervised By :Mahesh Dadoda 11/07/2023



#89
n-Butylbenzene
Concen: 15.443 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY016237.D
Acq: 06 Nov 2023 15:19

Tgt Ion: 91 Resp: 79985
Ion Ratio Lower Upper
91 100
92 64.5 25.4 76.0
134 0.0 12.6 37.6

