

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042822\
 Data File : VD072729.D
 Acq On : 28 Apr 2022 17:17
 Operator : VA/SY
 Sample : N2514-07
 Misc : 5.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/29/2022
 Supervised By :Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 01:23:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 16:01:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	97090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	184932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	172896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75371	58.470	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.940%			
35) Dibromofluoromethane	7.909	113	63732	51.749	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.500%			
50) Toluene-d8	10.332	98	305080	68.713	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.420%			
62) 4-Bromofluorobenzene	12.614	95	169508	101.229	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 202.460%#			
Target Compounds					Qvalue	
16) Acetone	4.162	43	63575	251.663	ug/l	96
17) Carbon Disulfide	4.415	76	7368	1.908	ug/l #	93
25) 2-Butanone	7.209	43	26239	69.603	ug/l	93
31) Cyclohexane	7.979	56	331463	148.113	ug/l	98
39) Methylcyclohexane	9.350	83	1061018	444.055	ug/l	97
40) Benzene	8.356	78	6957	1.184	ug/l	98
52) Toluene	10.397	92	13700	3.733	ug/l	95
67) Ethyl Benzene	11.738	91	71281	10.637	ug/l	97
68) m/p-Xylenes	11.838	106	98281	38.462	ug/l	96
69) o-Xylene	12.167	106	76580	31.712	ug/l	93
73) Isopropylbenzene	12.467	105	238038	33.722	ug/l	99
78) n-propylbenzene	12.808	91	348373	39.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	332201	55.662	ug/l	97
83) tert-Butylbenzene	13.208	119	32884	6.587	ug/l	82
84) 1,2,4-Trimethylbenzene	13.255	105	852317	143.020	ug/l	99
85) sec-Butylbenzene	13.391	105	233615	30.978	ug/l #	74
86) p-Isopropyltoluene	13.502	119	112718m	18.261	ug/l	
89) n-Butylbenzene	13.832	91	269443	44.867	ug/l #	76

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

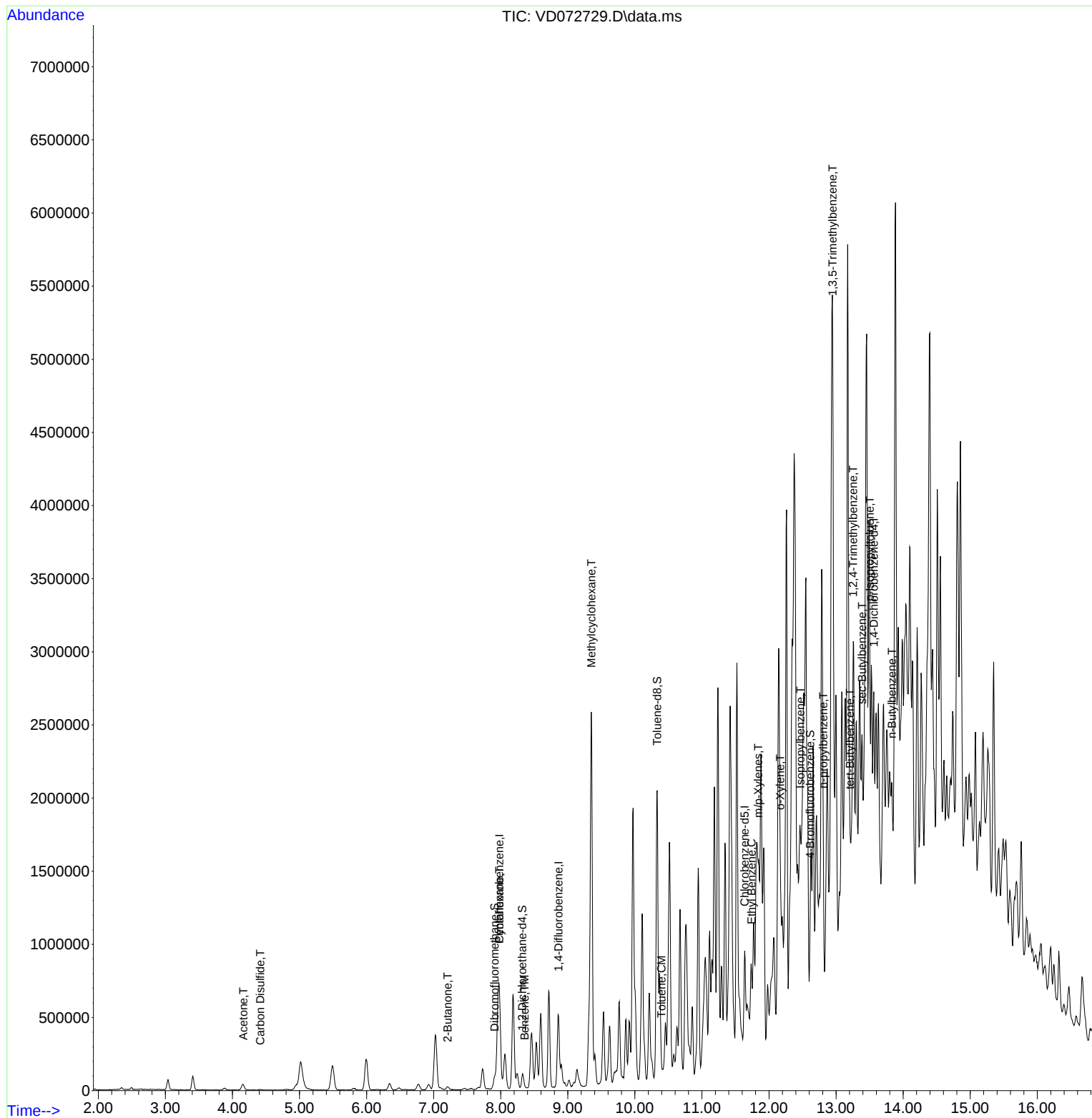
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042822\
Data File : VD072729.D
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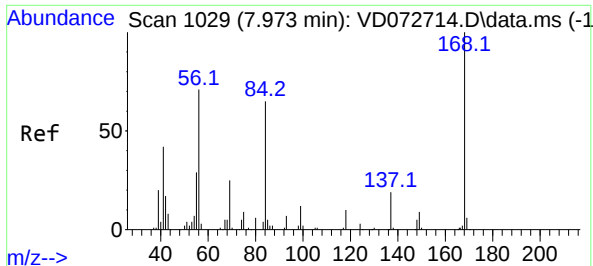
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6

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Supervised By :Mahesh Dadoda 04/29/2022

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Quant Title : SW846 8260
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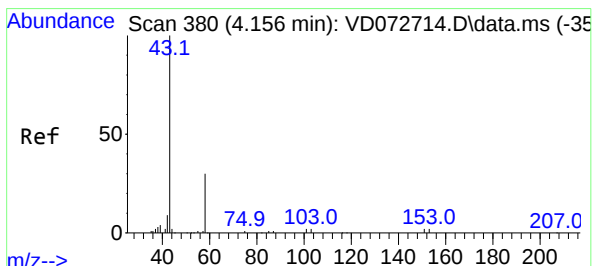
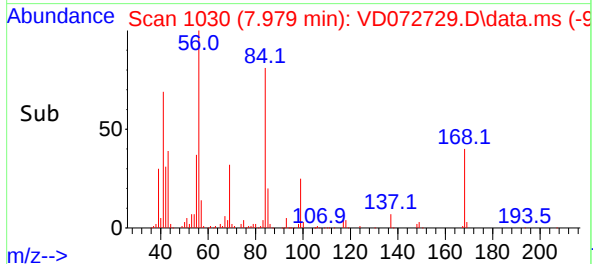
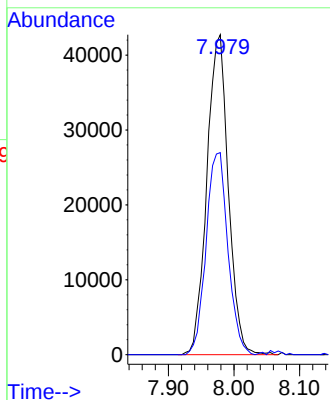
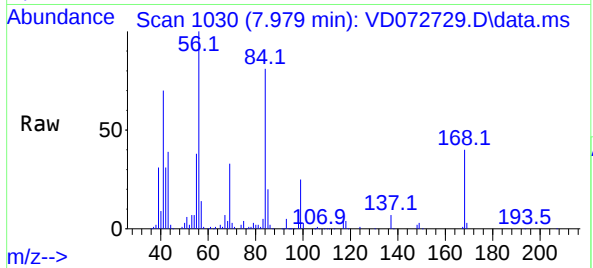
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6

Tgt Ion:168 Resp: 97090
Ion Ratio Lower Upper
168 100
99 63.2 49.8 74.6

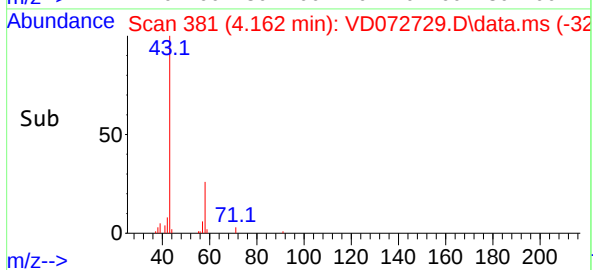
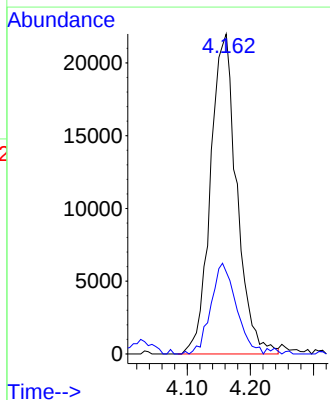
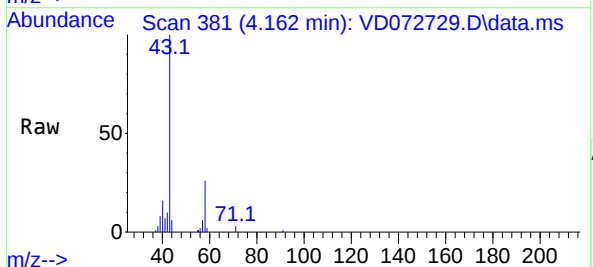
Manual Integrations
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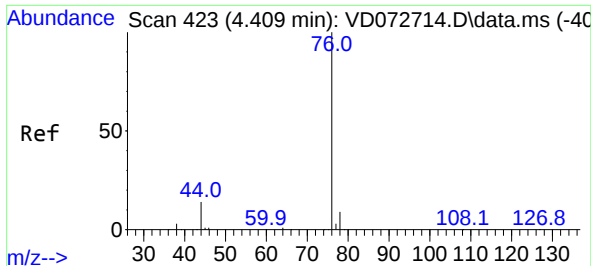
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#16
Acetone
Concen: 251.663 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

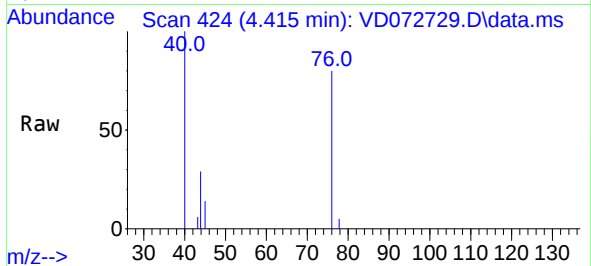
Tgt Ion: 43 Resp: 63575
Ion Ratio Lower Upper
43 100
58 25.6 22.1 33.1





#17
Carbon Disulfide
Concen: 1.908 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

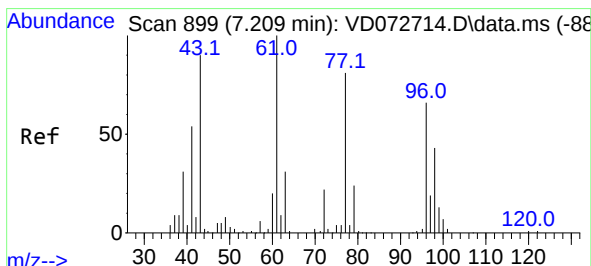
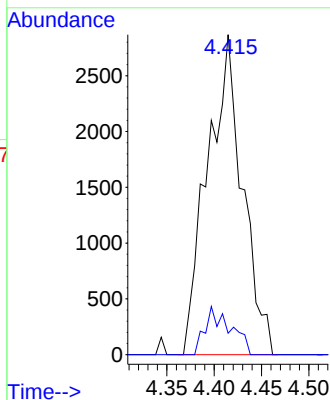
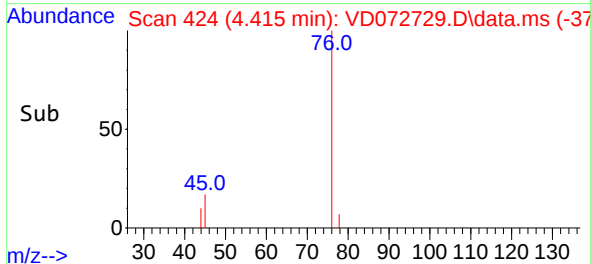
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



Tgt Ion: 76 Resp: 736
Ion Ratio Lower Upper
76 100
78 6.7 7.5 11.3

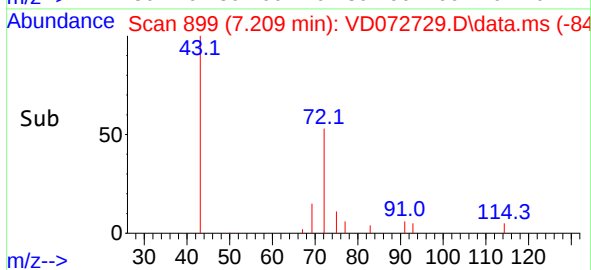
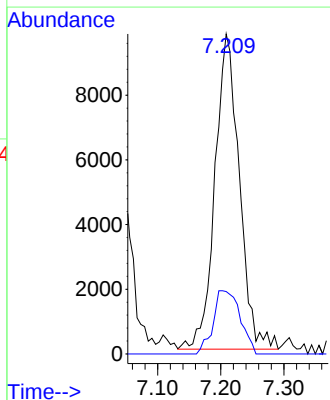
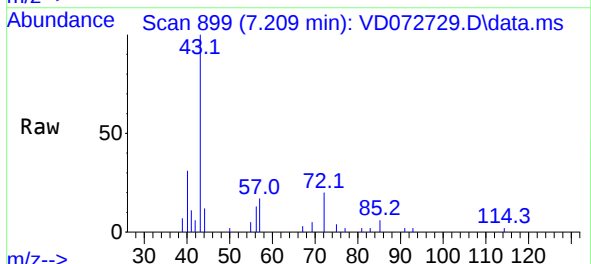
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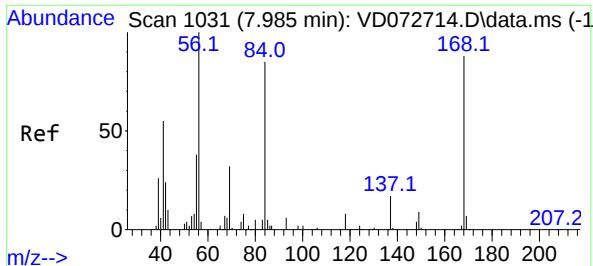
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#25
2-Butanone
Concen: 69.603 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

Tgt Ion: 43 Resp: 26239
Ion Ratio Lower Upper
43 100
72 19.8 18.6 27.8





#31

Cyclohexane

Concen: 148.113 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD072729.D

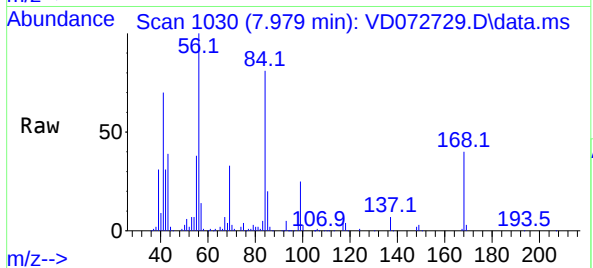
Acq: 28 Apr 2022 17:17

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-6



Tgt Ion: 56 Resp: 33146

Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.2

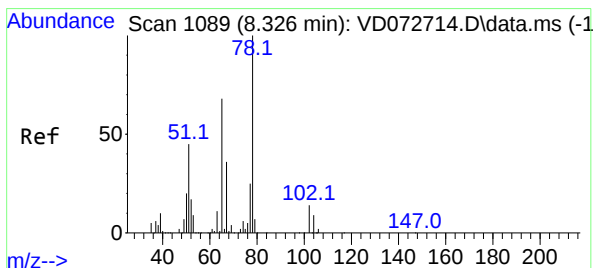
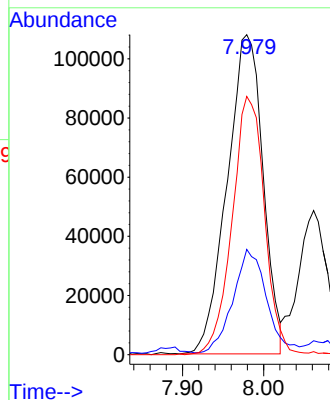
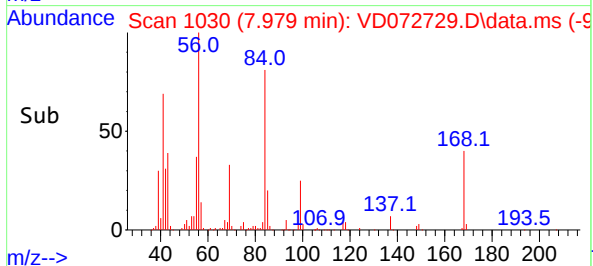
84 80.7 63.0 94.4

Manual Integrations

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Reviewed By :Krupa Patel 04/29/2022

Supervised By :Mahesh Dadoda 04/29/2022



#33

1,2-Dichloroethane-d4

Concen: 58.470 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072729.D

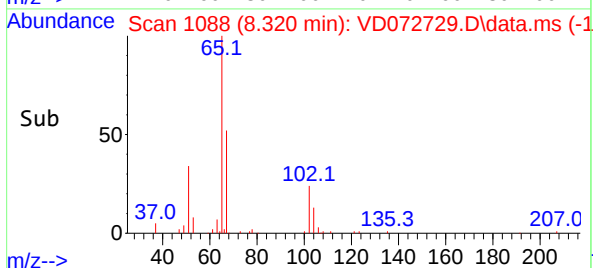
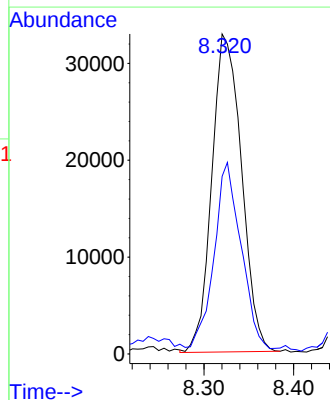
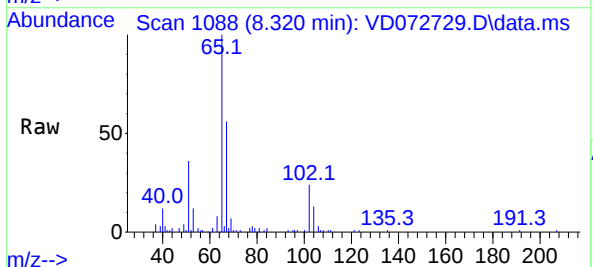
Acq: 28 Apr 2022 17:17

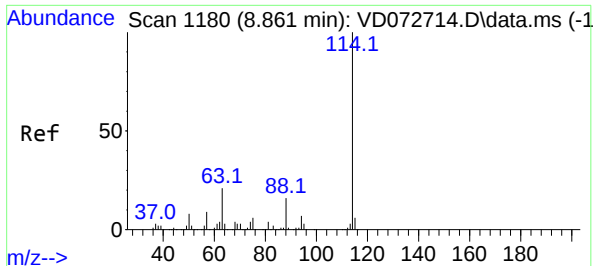
Tgt Ion: 65 Resp: 75371

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4





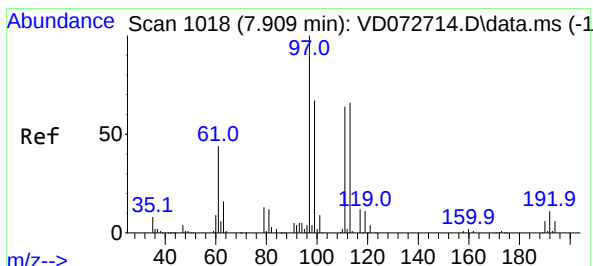
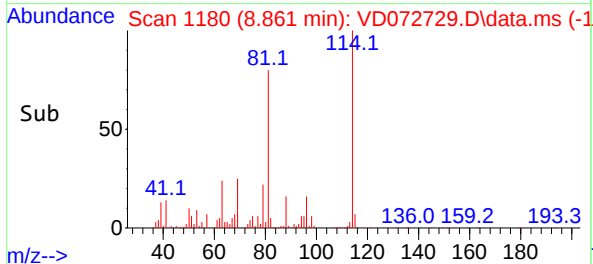
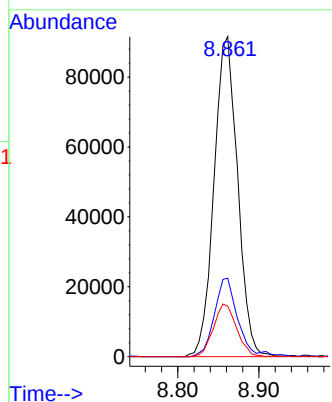
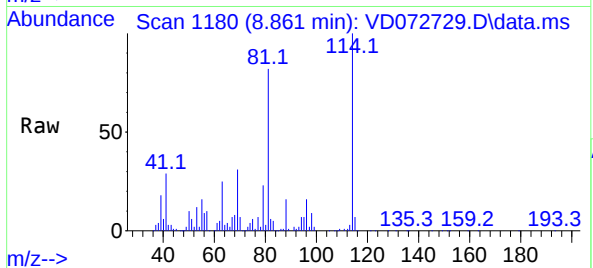
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6

Tgt Ion:114 Resp: 184932
Ion Ratio Lower Upper
114 100
63 24.5 0.0 46.6
88 15.8 0.0 33.2

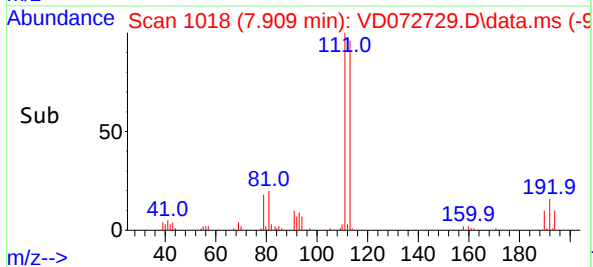
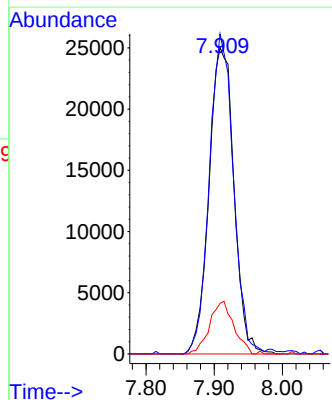
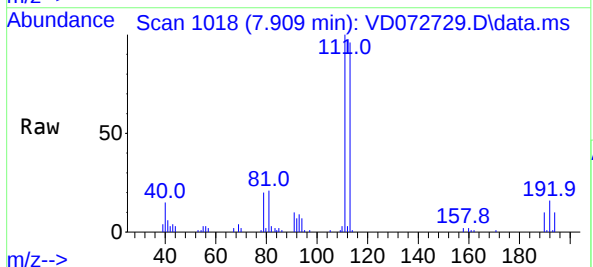
Manual Integrations
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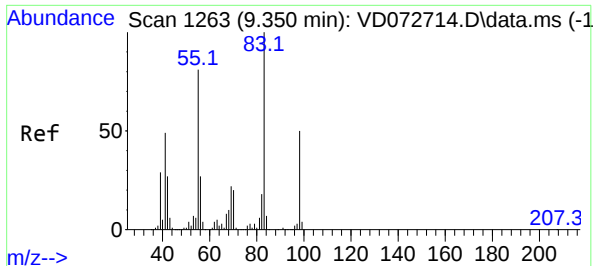
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#35
Dibromofluoromethane
Concen: 51.749 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

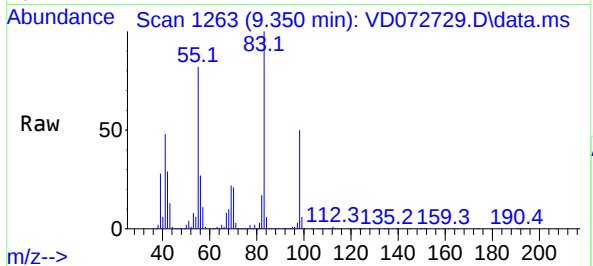
Tgt Ion:113 Resp: 63732
Ion Ratio Lower Upper
113 100
111 100.6 83.8 125.6
192 16.7 14.6 21.8





#39
Methylcyclohexane
Concen: 444.055 ug/l
RT: 9.350 min Scan# 1061018
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

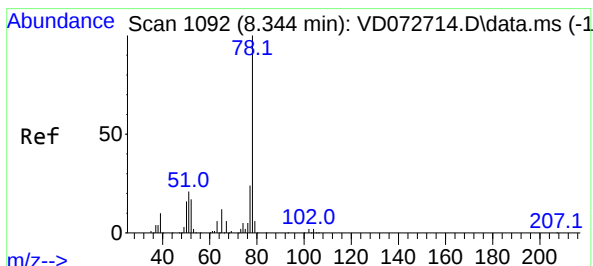
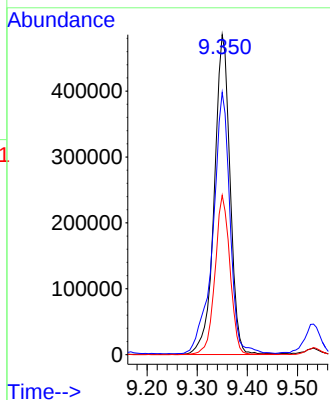
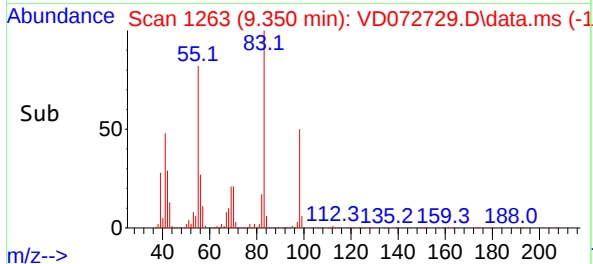
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



Tgt Ion: 83 Resp: 1061018
Ion Ratio Lower Upper
83 100
55 81.7 63.2 94.8
98 49.8 38.2 57.4

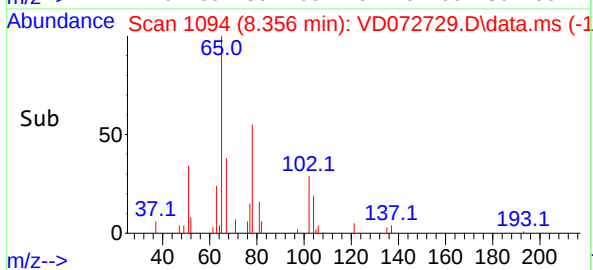
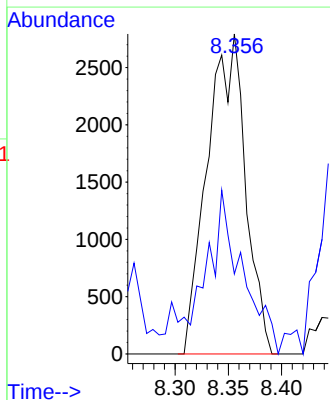
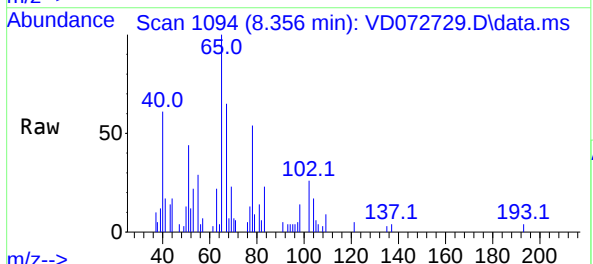
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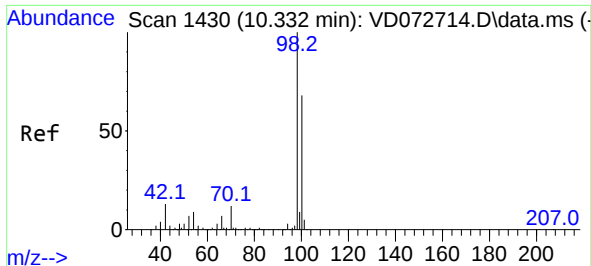
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#40
Benzene
Concen: 1.184 ug/l
RT: 8.356 min Scan# 1094
Delta R.T. 0.012 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

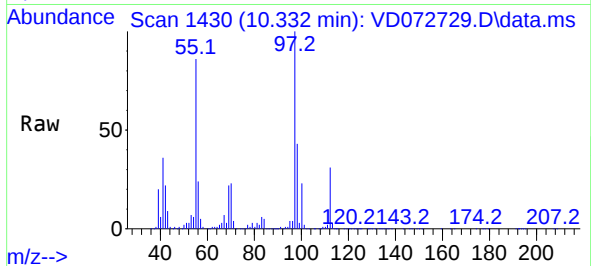
Tgt Ion: 78 Resp: 6957
Ion Ratio Lower Upper
78 100
77 25.0 19.1 28.7





#50
Toluene-d8
Concen: 68.713 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

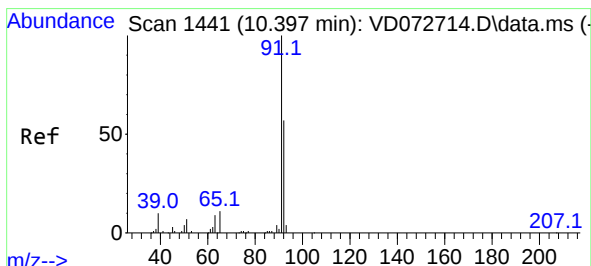
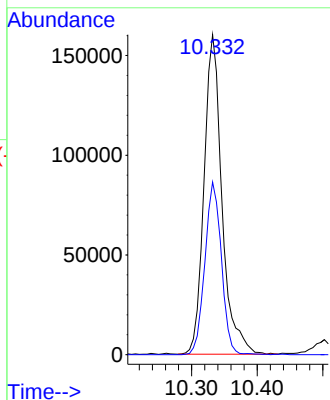
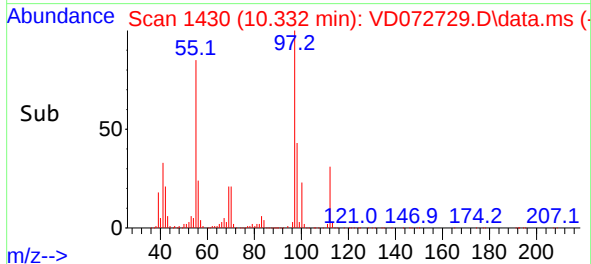
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WC-16-1A-6



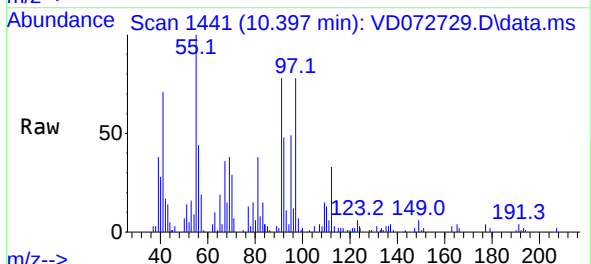
Tgt Ion: 98 Resp: 305080
Ion Ratio Lower Upper
98 100
100 49.8 52.4 78.6

Manual Integrations
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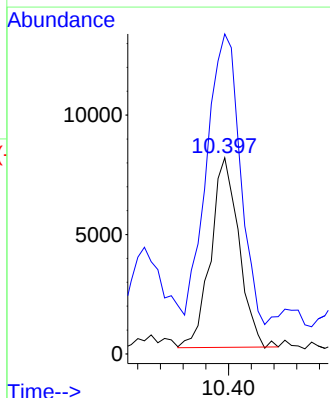
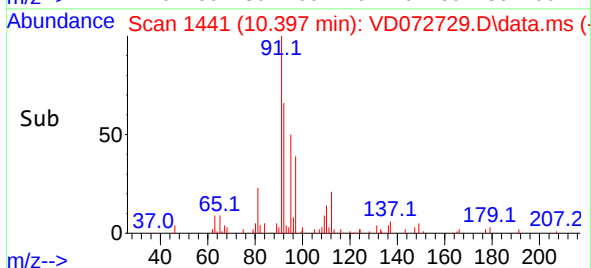
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

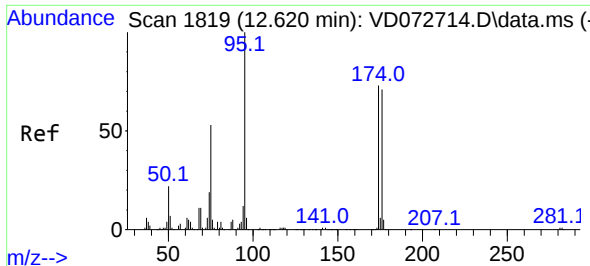


#52
Toluene
Concen: 3.733 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



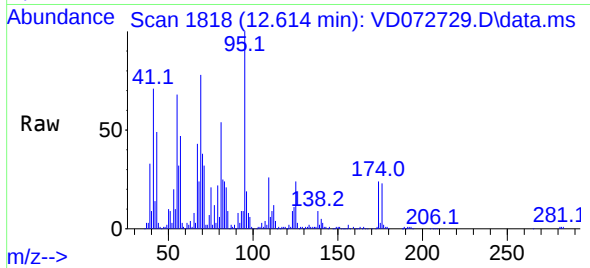
Tgt Ion: 92 Resp: 13700
Ion Ratio Lower Upper
92 100
91 181.0 139.6 209.4





#62
4-Bromofluorobenzene
Concen: 101.229 ug/l
RT: 12.614 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

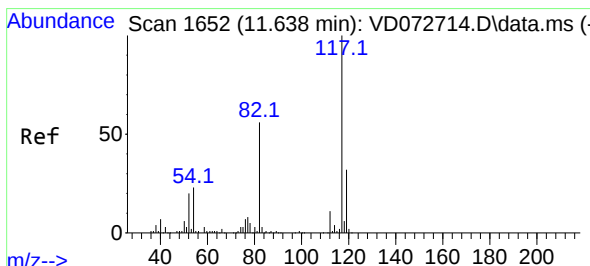
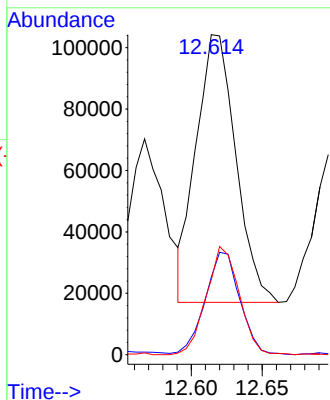
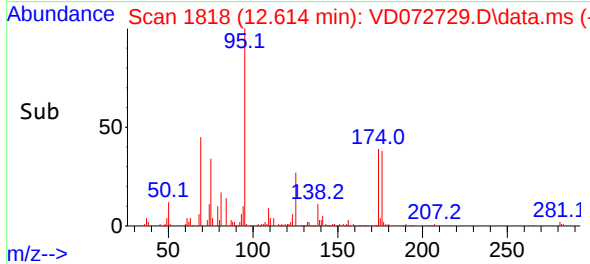
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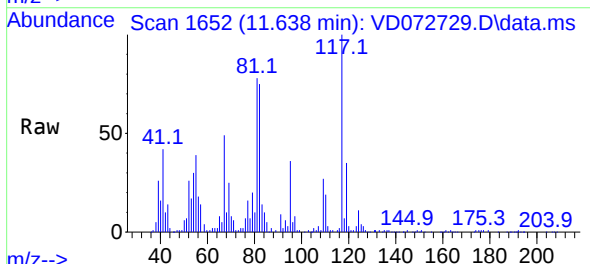
Tgt Ion: 95 Resp: 169508
Ion Ratio Lower Upper
95 100
174 33.4 0.0 152.8
176 33.5 0.0 145.4

Manual Integrations
APPROVED

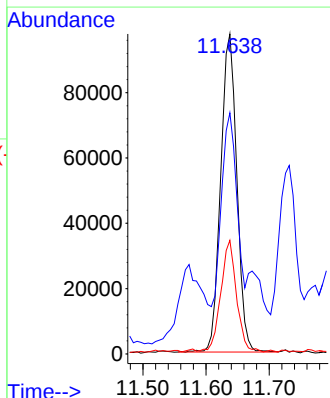
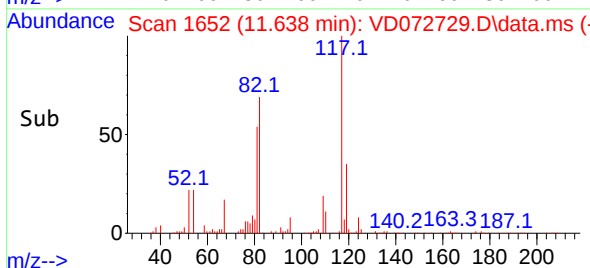
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

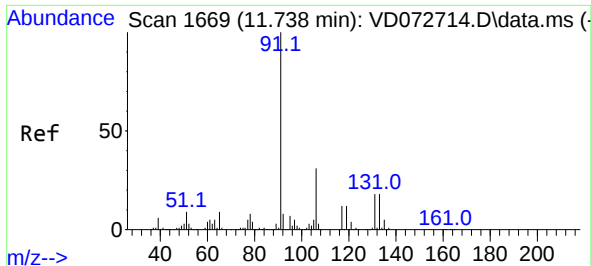


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



Tgt Ion:117 Resp: 172896
Ion Ratio Lower Upper
117 100
82 60.1 45.3 67.9
119 35.0 26.6 40.0





#67

Ethyl Benzene

Concen: 10.637 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VD072729.D

Acq: 28 Apr 2022 17:17

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-6

Tgt Ion: 91 Resp: 7128

Ion Ratio Lower Upper

91 100

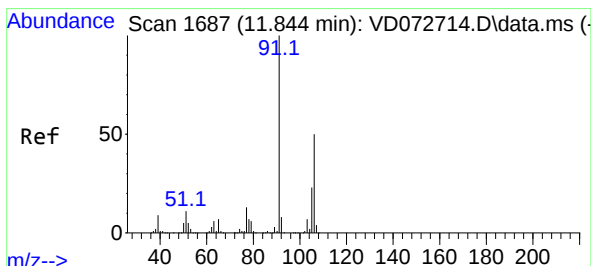
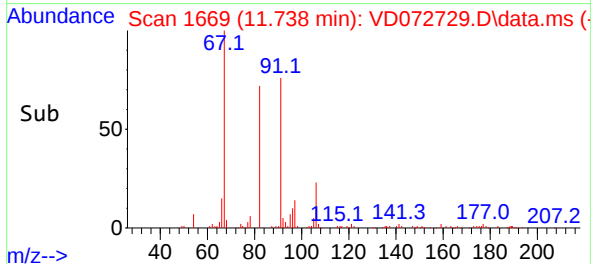
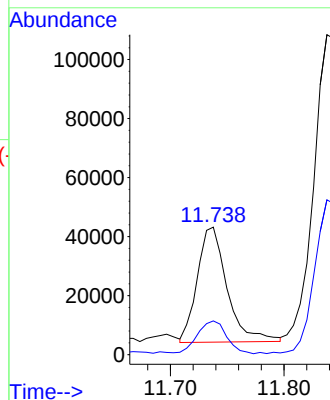
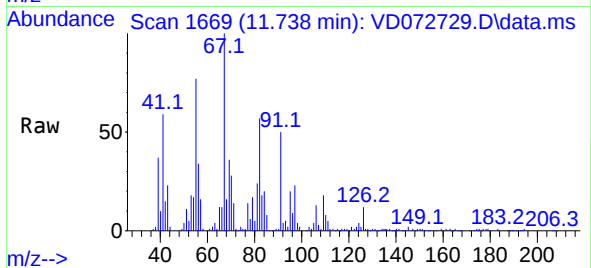
106 28.6 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/29/2022

Supervised By :Mahesh Dadoda 04/29/2022



#68

m/p-Xylenes

Concen: 38.462 ug/l

RT: 11.838 min Scan# 1686

Delta R.T. -0.006 min

Lab File: VD072729.D

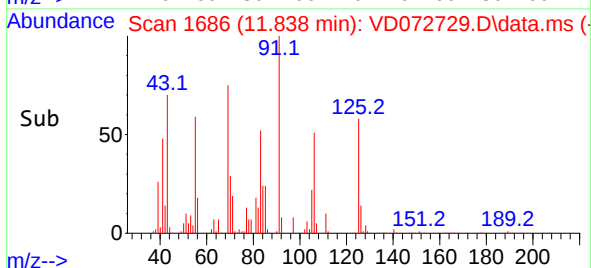
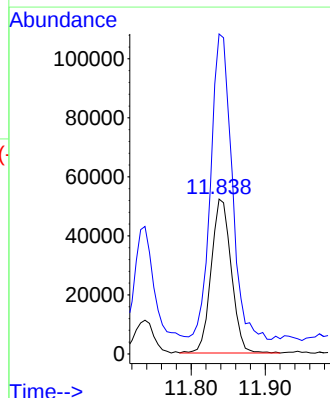
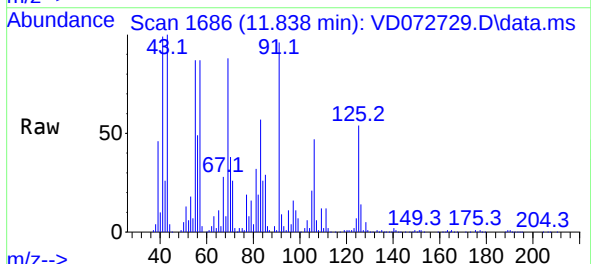
Acq: 28 Apr 2022 17:17

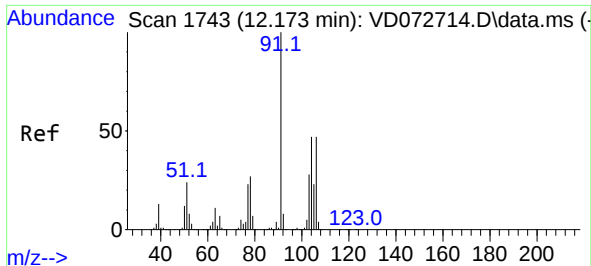
Tgt Ion:106 Resp: 98281

Ion Ratio Lower Upper

106 100

91 210.5 163.7 245.5





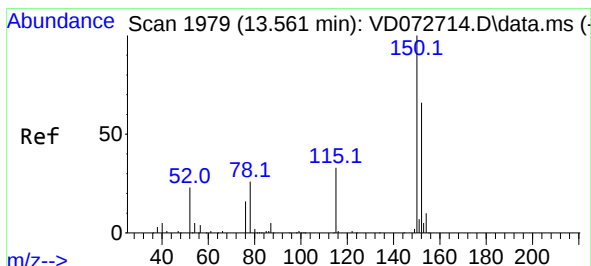
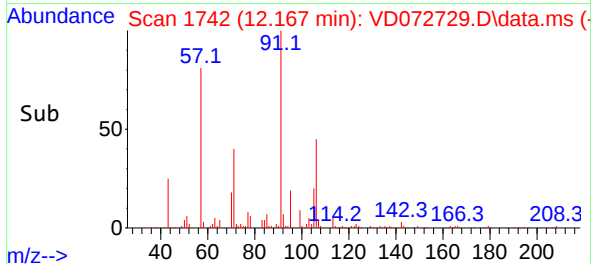
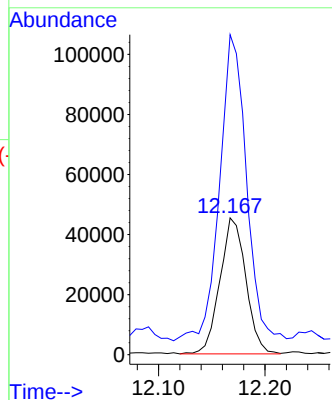
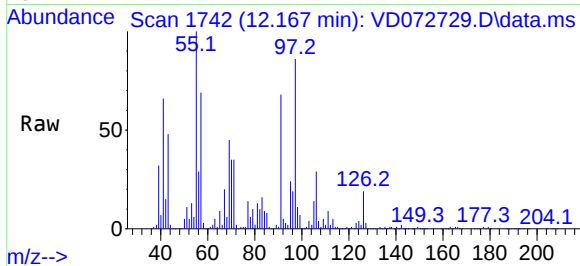
#69
o-Xylene
Concen: 31.712 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6

Tgt Ion:106 Resp: 76580
Ion Ratio Lower Upper
106 100
91 231.6 110.4 331.2

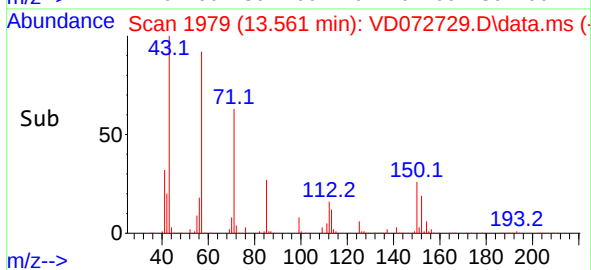
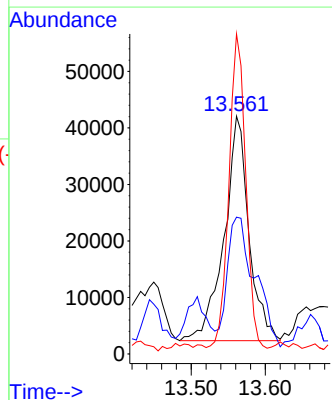
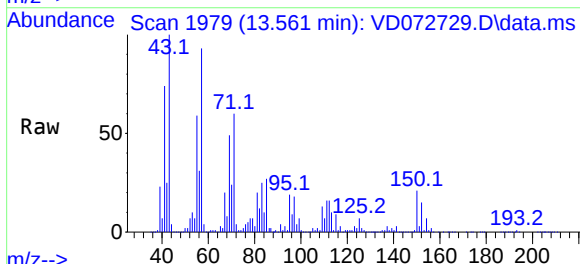
Manual Integrations
APPROVED

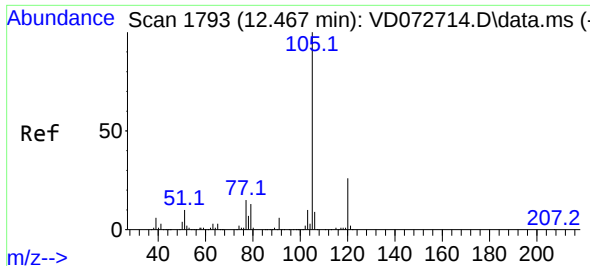
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

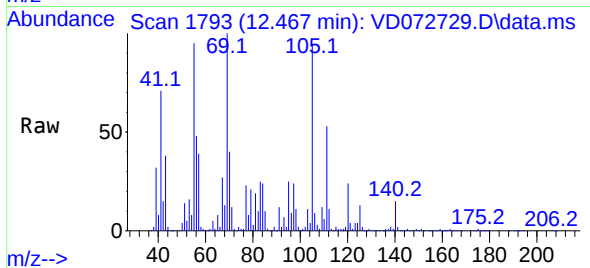
Tgt Ion:152 Resp: 92345
Ion Ratio Lower Upper
152 100
115 64.3 31.3 93.8
150 94.9 0.0 348.6





#73
Isopropylbenzene
Concen: 33.722 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

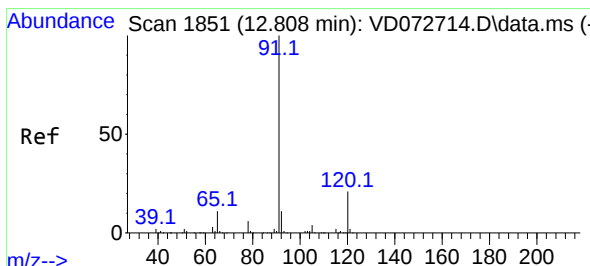
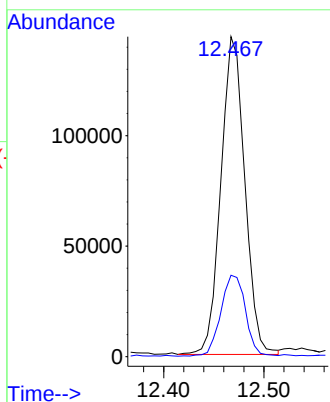
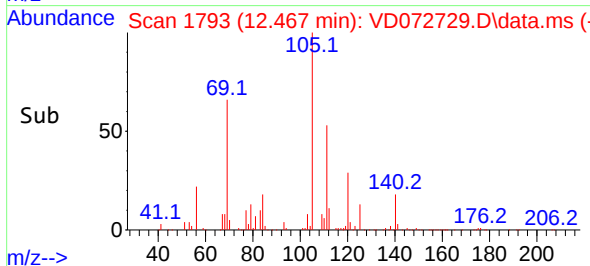
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



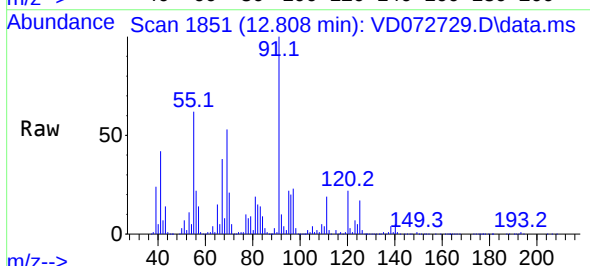
Tgt Ion:105 Resp: 238038
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

Manual Integrations
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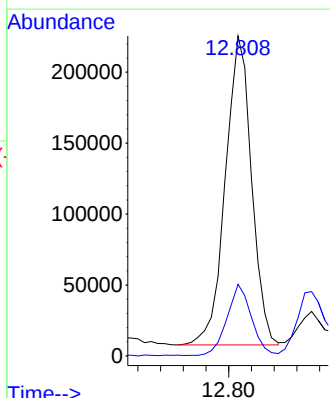
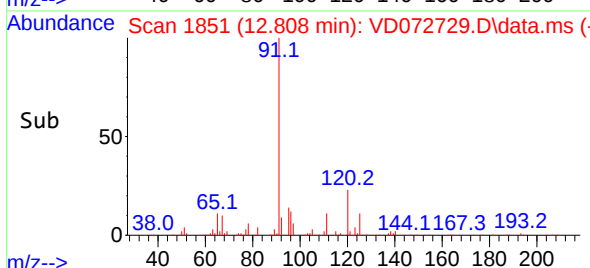
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

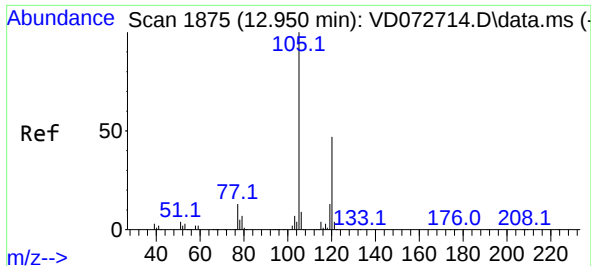


#78
n-propylbenzene
Concen: 39.488 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



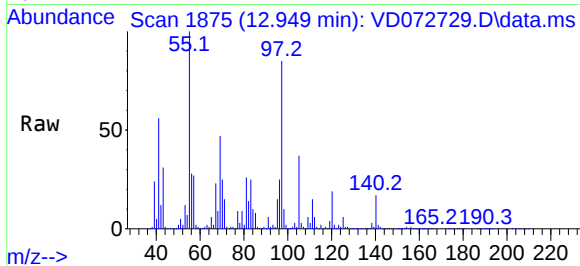
Tgt Ion: 91 Resp: 348373
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 55.662 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.001 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

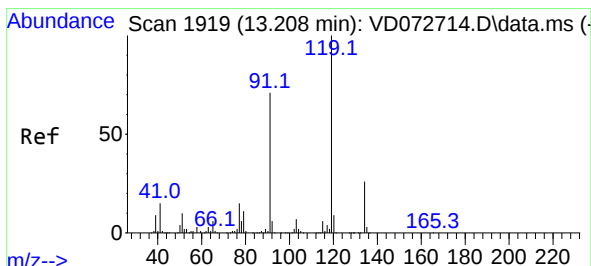
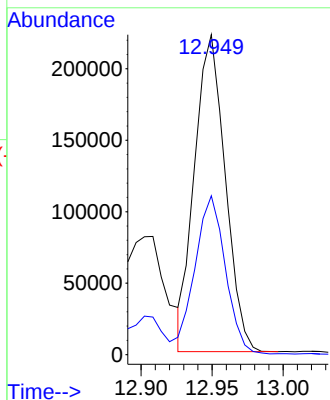
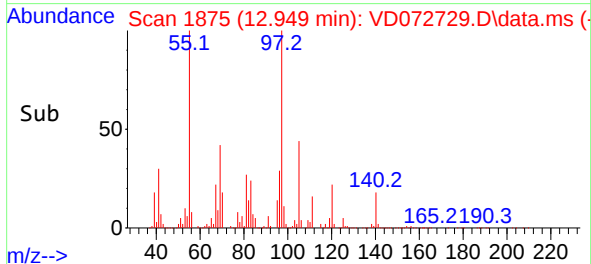
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



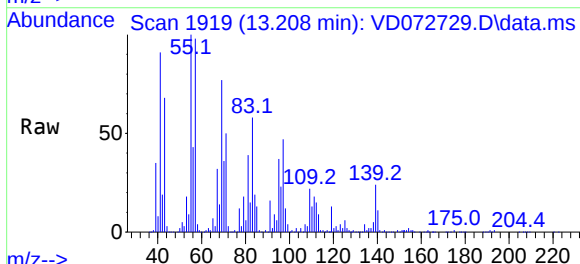
Tgt Ion:105 Resp: 33220
Ion Ratio Lower Upper
105 100
120 50.3 24.3 72.8

Manual Integrations
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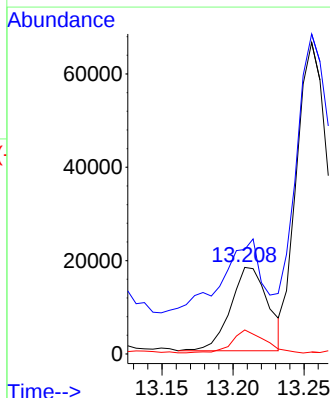
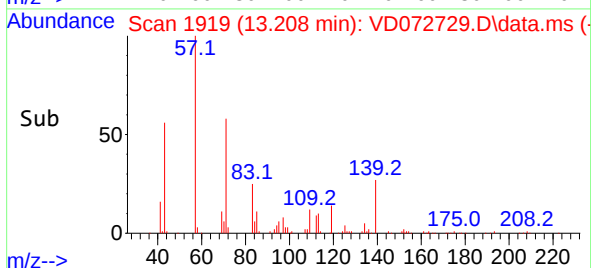
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

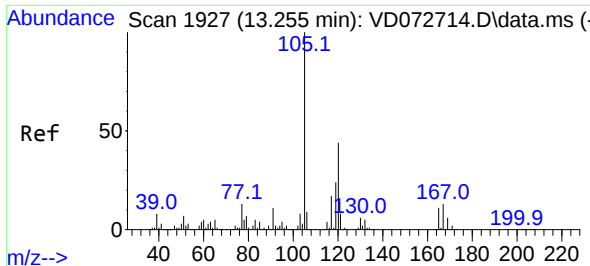


#83
tert-Butylbenzene
Concen: 6.587 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



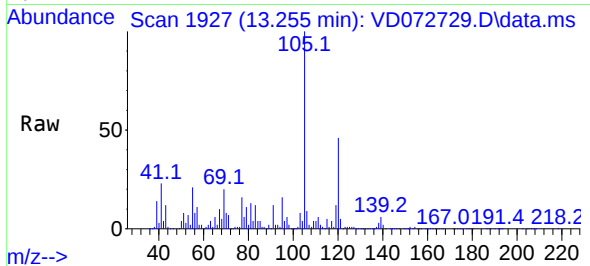
Tgt Ion:119 Resp: 32884
Ion Ratio Lower Upper
119 100
91 88.9 34.8 104.5
134 24.0 13.3 39.9





#84
1,2,4-Trimethylbenzene
Concen: 143.020 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

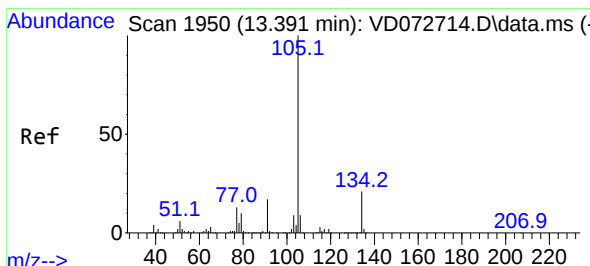
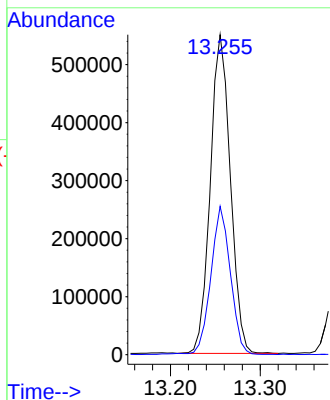
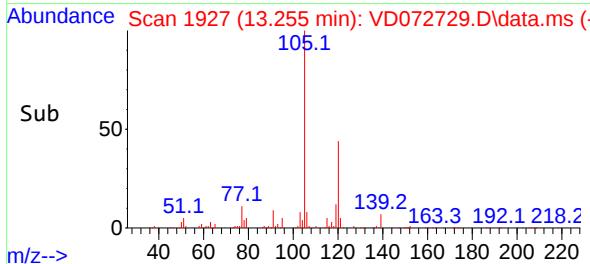
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



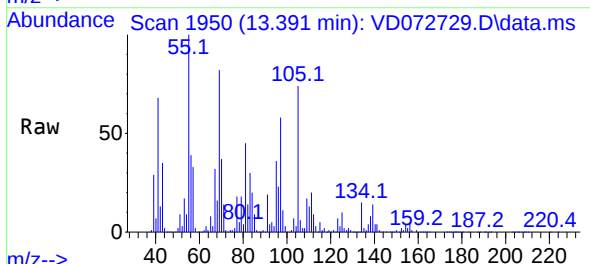
Tgt Ion:105 Resp: 85231
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8

Manual Integrations
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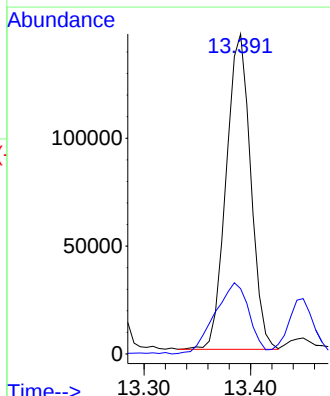
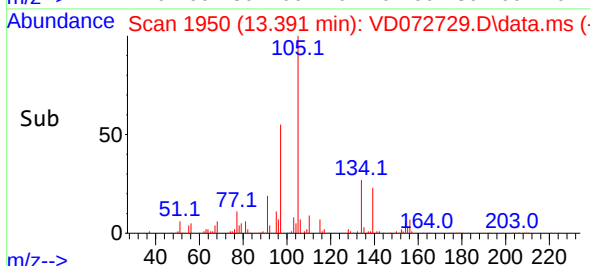
Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

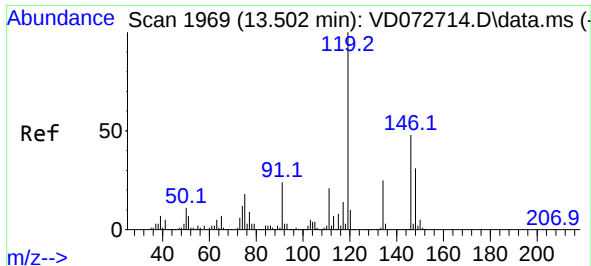


#85
sec-Butylbenzene
Concen: 30.978 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



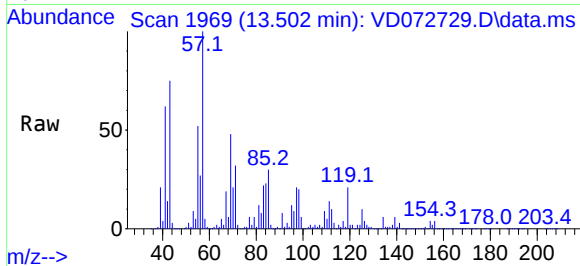
Tgt Ion:105 Resp: 233615
Ion Ratio Lower Upper
105 100
134 31.5 9.8 29.3#





#86
p-Isopropyltoluene
Concen: 18.261 ug/l m
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17

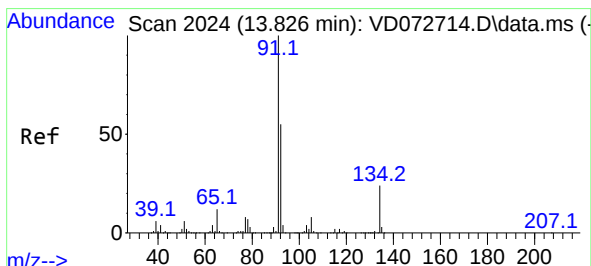
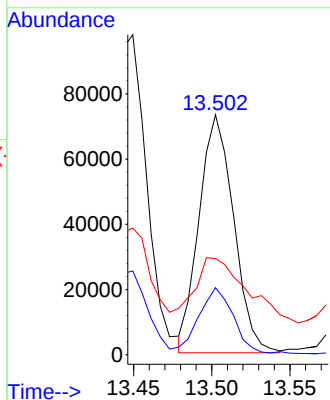
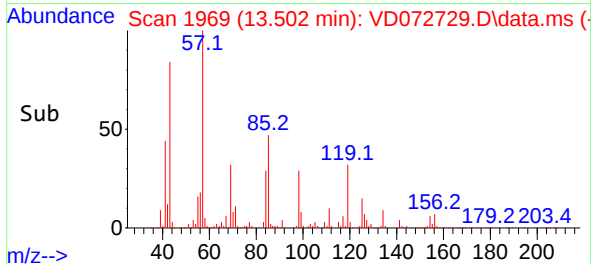
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-6



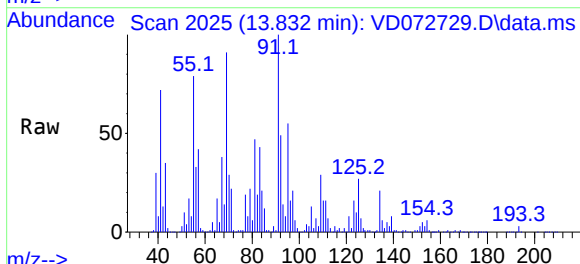
Tgt Ion: 119 Resp: 112718
Ion Ratio Lower Upper
119 100
134 37.2 12.9 38.6
91 38.6 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#89
n-Butylbenzene
Concen: 44.867 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.006 min
Lab File: VD072729.D
Acq: 28 Apr 2022 17:17



Tgt Ion: 91 Resp: 269443
Ion Ratio Lower Upper
91 100
92 44.7 26.6 79.8
134 0.0 12.3 36.9

