

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
 Data File : VX032285.D
 Acq On : 21 Oct 2022 13:52
 Operator : JC/MD
 Sample : N5185-19 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3R

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 05:08:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	147004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225889	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91130	47.653	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.300%		
35) Dibromofluoromethane	5.385	113	71372	45.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.820%		
50) Toluene-d8	8.647	98	266175	47.041	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.080%		
62) 4-Bromofluorobenzene	11.079	95	96969	46.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.600%		
Target Compounds					Qvalue	
16) Acetone	2.386	43	2120	3.416	ug/l #	86
31) Cyclohexane	5.471	56	19231	8.796	ug/l	94
39) Methylcyclohexane	7.379	83	14704	6.087	ug/l	95
40) Benzene	6.038	78	77773	13.271	ug/l	99
52) Toluene	8.720	92	7314	1.927	ug/l	99
67) Ethyl Benzene	10.195	91	629404	88.269	ug/l	100
68) m/p-Xylenes	10.305	106	126361	44.873	ug/l	99
69) o-Xylene	10.647	106	13738	5.093	ug/l	95
73) Isopropylbenzene	10.964	105	52638	7.687	ug/l	99
78) n-propylbenzene	11.305	91	165970	21.168	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	39883	6.743	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	624677	108.633	ug/l	100
85) sec-Butylbenzene	11.890	105	9907m	1.385	ug/l	
86) p-Isopropyltoluene	12.012	119	4053	0.666	ug/l #	70
89) n-Butylbenzene	12.329	91	18959	3.537	ug/l #	49
95) Naphthalene	13.774	128	157581	23.831	ug/l	100

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

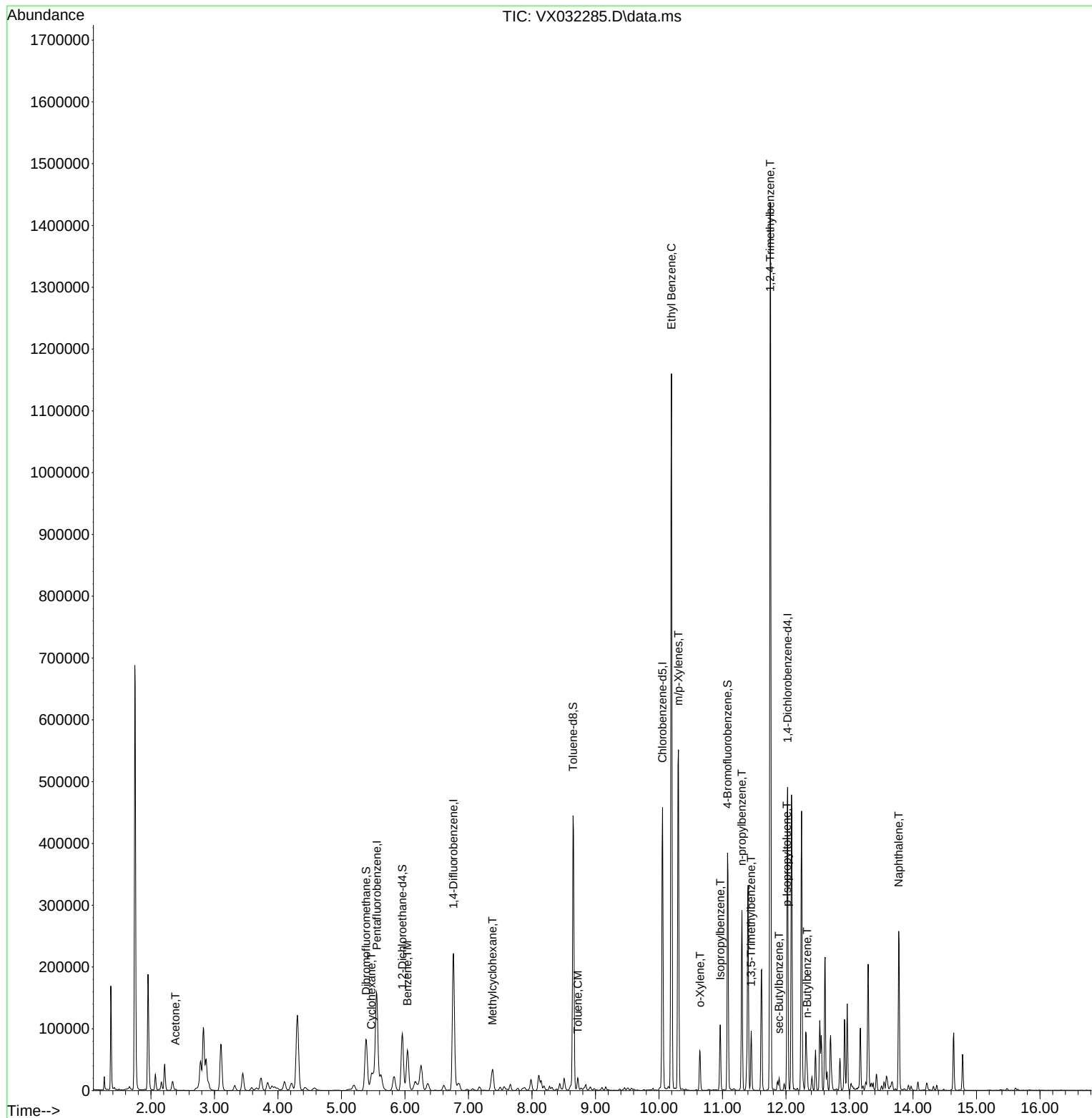
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102122\
Data File : VX032285.D
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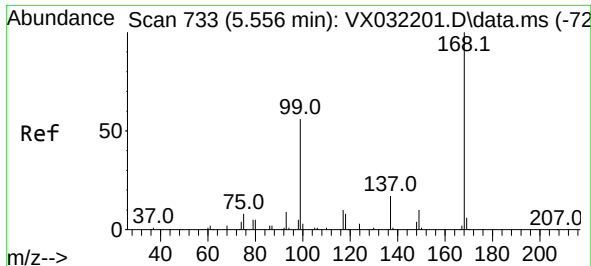
Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Quant Time: Oct 22 05:08:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 22 04:56:40 2022
Response via : Initial Calibration

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APPROVED

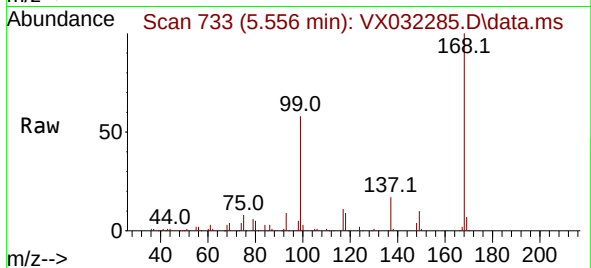
Reviewed By : John Carlone 10/24/2022
Supervised By : Mahesh Dadoda 10/24/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

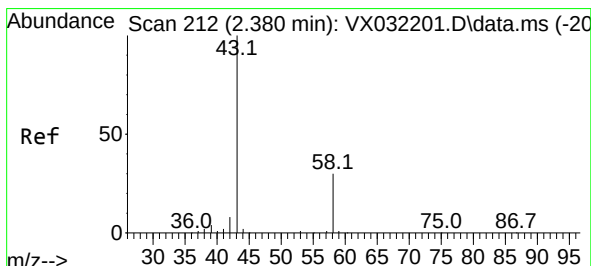
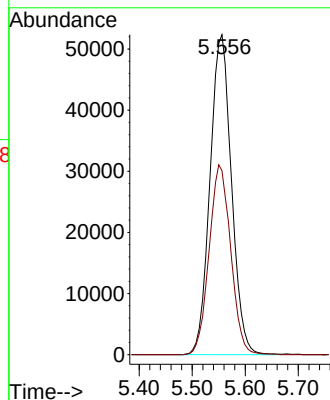
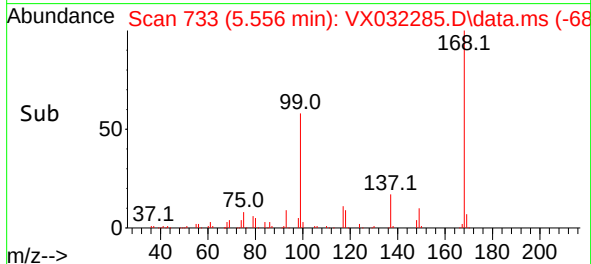
Instrument :
MSVOA_X
ClientSampleId :
PZ-3R



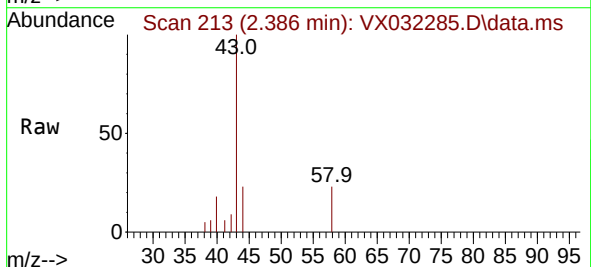
Tgt Ion:168 Resp: 147004
Ion Ratio Lower Upper
168 100
99 57.5 44.8 67.2

Manual Integrations
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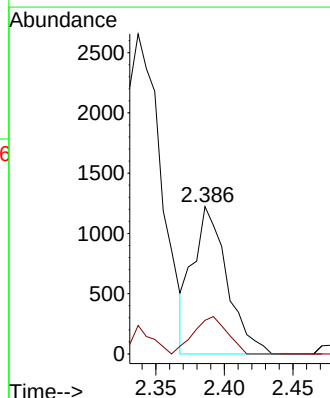
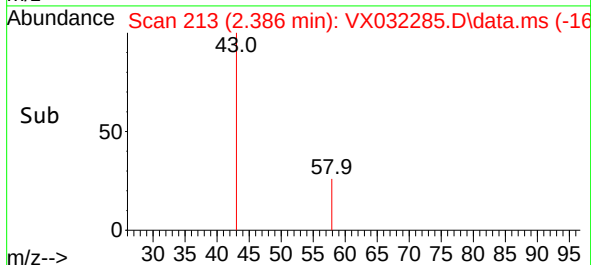
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

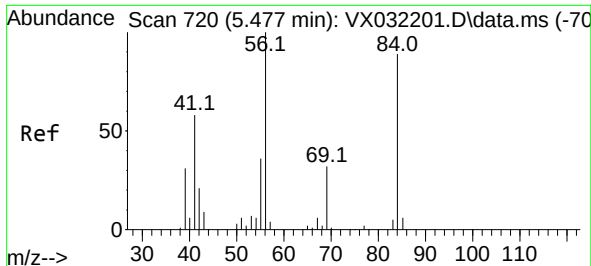


#16
Acetone
Concen: 3.416 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52



Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 22.7 24.2 36.2#





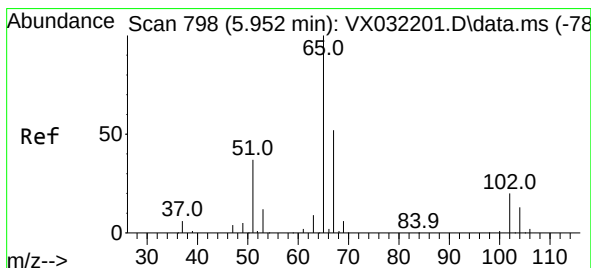
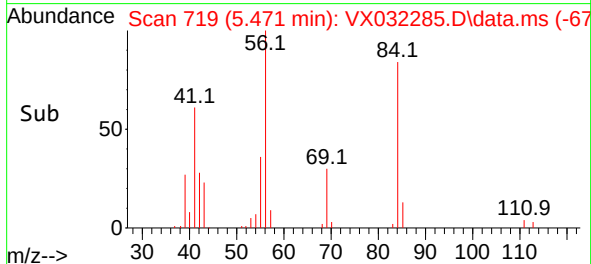
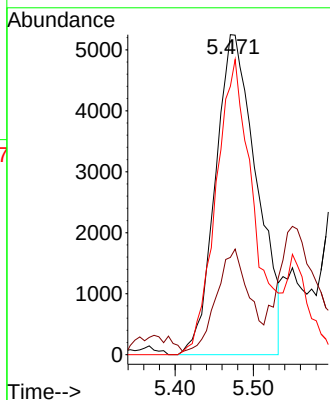
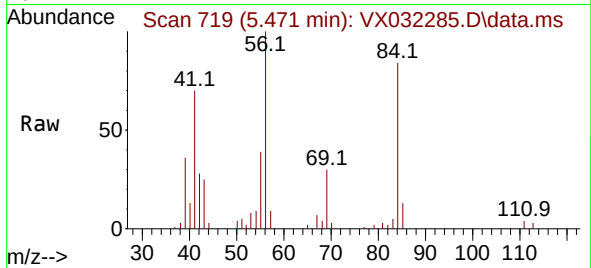
#31
Cyclohexane
Concen: 8.796 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion: 56 Resp: 1923
Ion Ratio Lower Upper
56 100
69 27.5 25.4 38.0
84 83.8 71.2 106.8

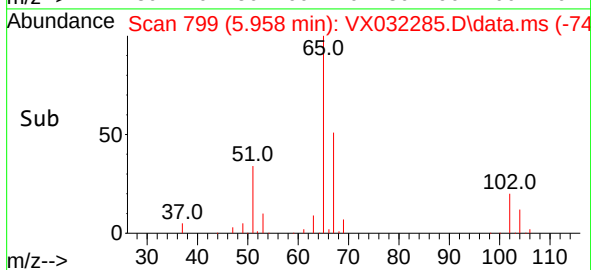
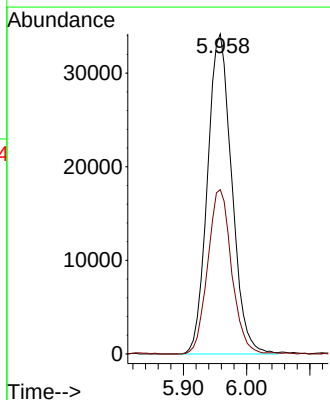
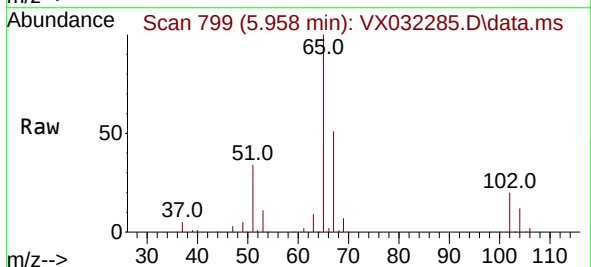
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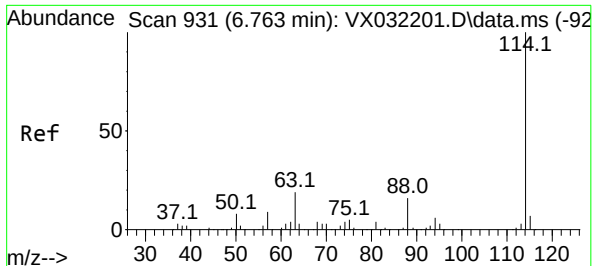
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#33
1,2-Dichloroethane-d4
Concen: 47.653 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Tgt Ion: 65 Resp: 91130
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.6





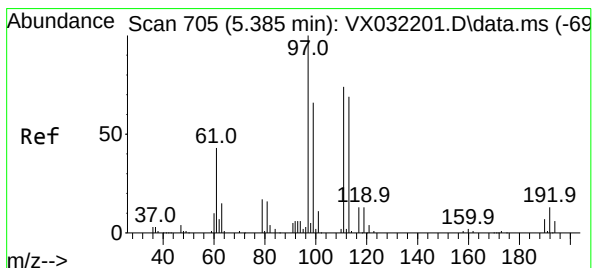
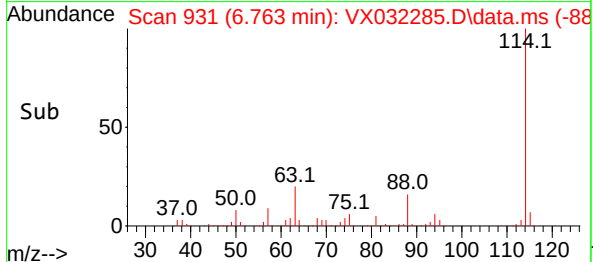
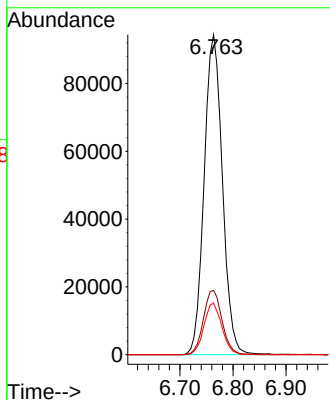
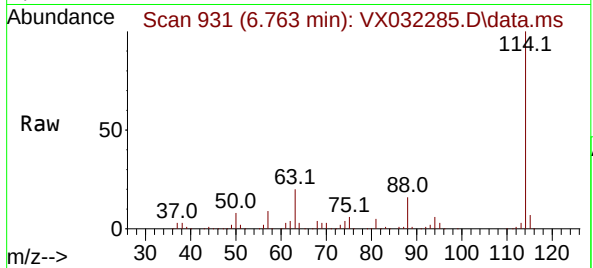
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion:114 Resp: 225889
Ion Ratio Lower Upper
114 100
63 20.1 0.0 38.6
88 16.1 0.0 32.6

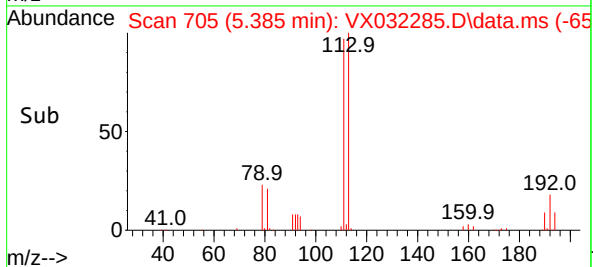
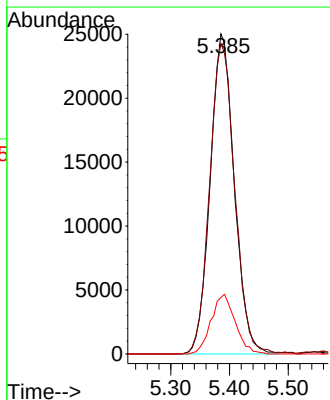
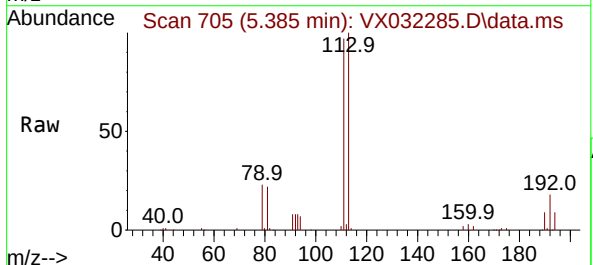
Manual Integrations
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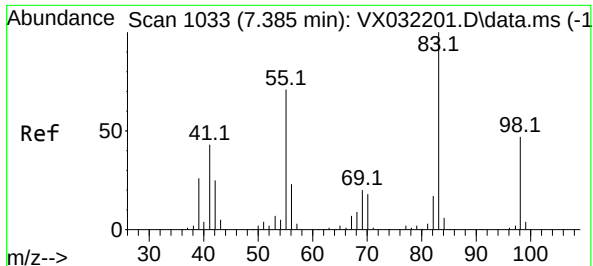
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#35
Dibromofluoromethane
Concen: 45.405 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Tgt Ion:113 Resp: 71372
Ion Ratio Lower Upper
113 100
111 100.4 82.8 124.2
192 18.6 15.5 23.3





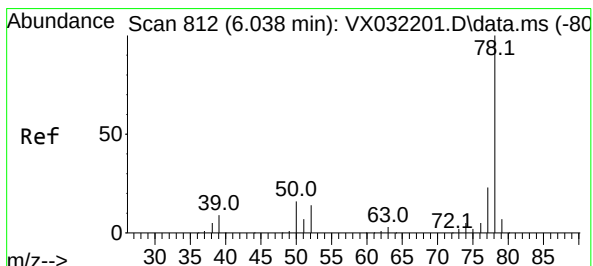
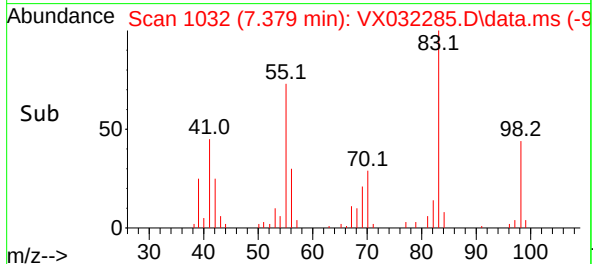
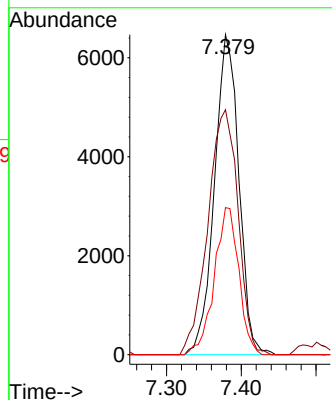
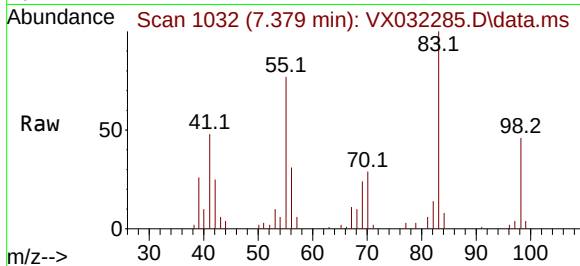
#39
Methylcyclohexane
Concen: 6.087 ug/l
RT: 7.379 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion: 83 Resp: 14704
Ion Ratio Lower Upper
83 100
55 76.6 56.6 85.0
98 46.0 37.4 56.0

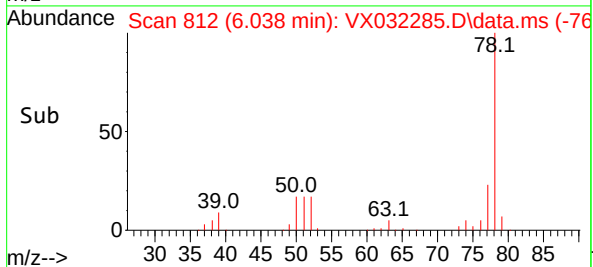
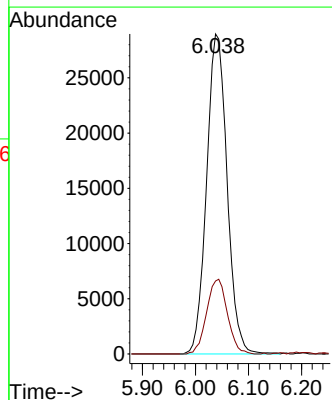
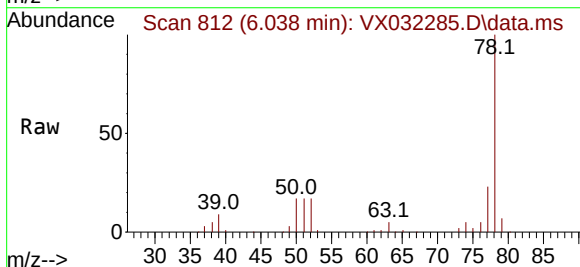
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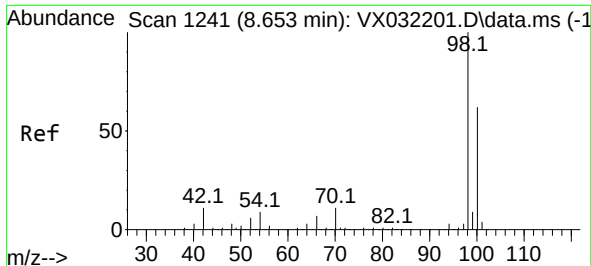
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#40
Benzene
Concen: 13.271 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Tgt Ion: 78 Resp: 77773
Ion Ratio Lower Upper
78 100
77 22.8 18.6 27.8





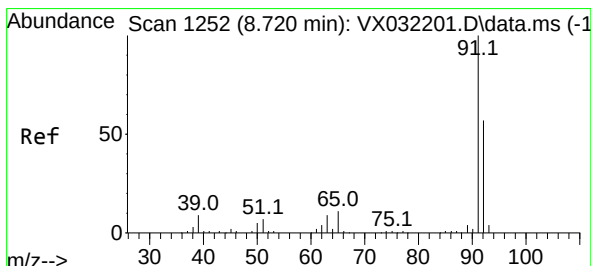
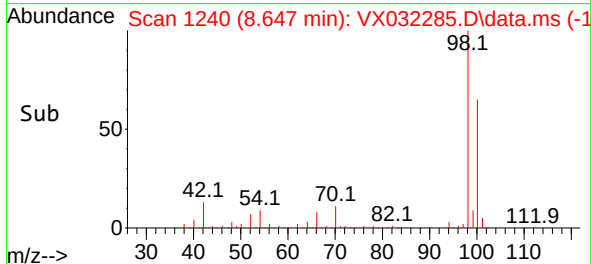
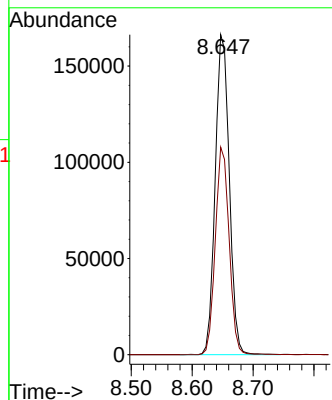
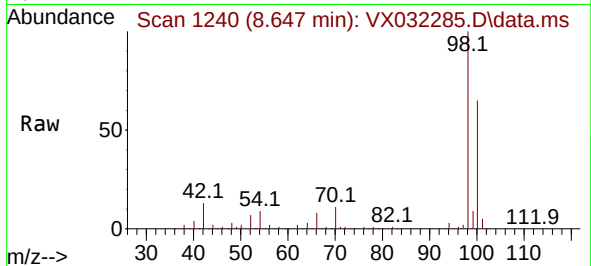
#50
Toluene-d8
Concen: 47.041 ug/l
RT: 8.647 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion: 98 Resp: 266179
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1

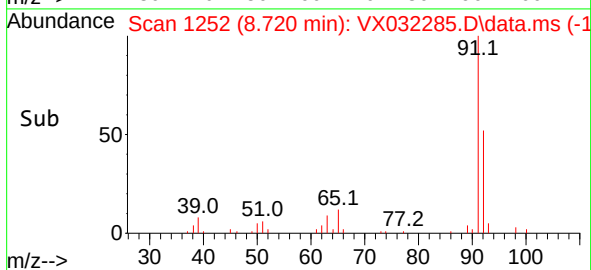
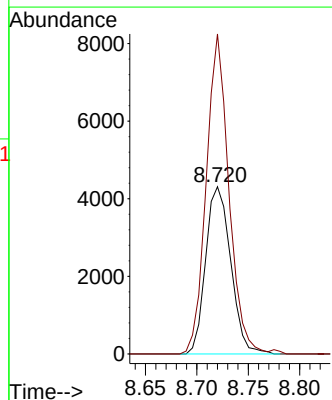
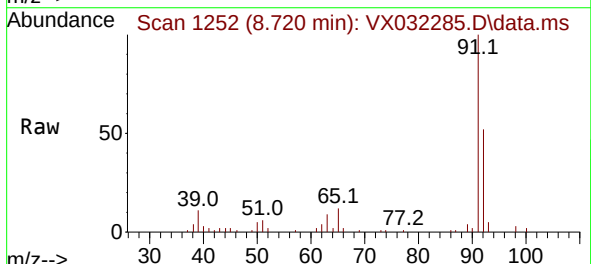
Manual Integrations
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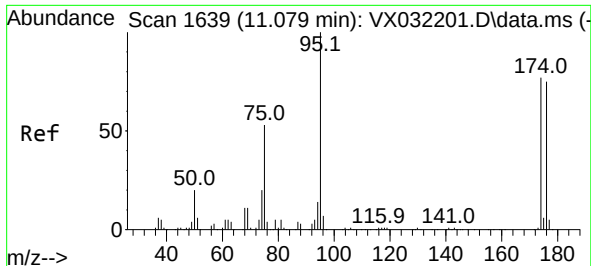
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#52
Toluene
Concen: 1.927 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

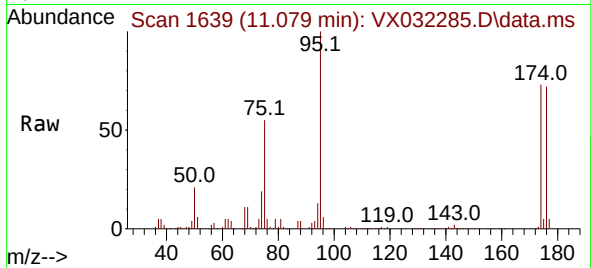
Tgt Ion: 92 Resp: 7314
Ion Ratio Lower Upper
92 100
91 173.8 140.3 210.5





#62
4-Bromofluorobenzene
Concen: 46.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

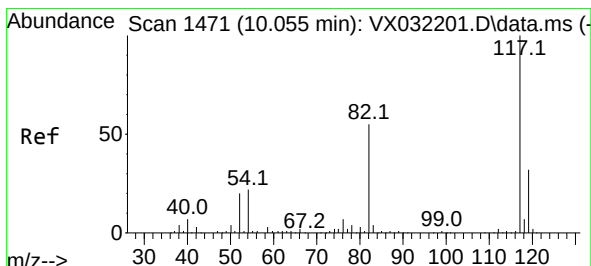
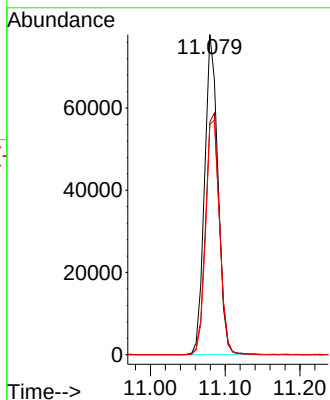
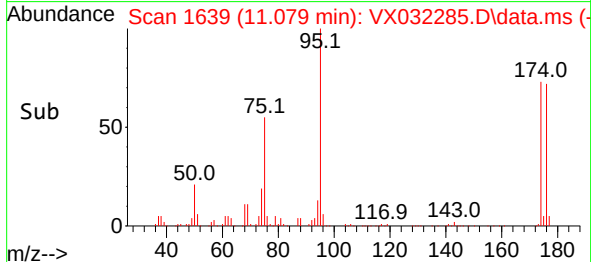
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PZ-3R



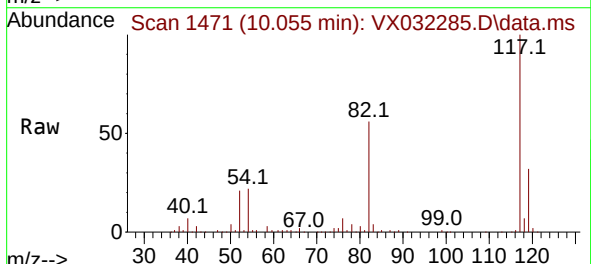
Tgt Ion: 95 Resp: 96969
Ion Ratio Lower Upper
95 100
174 78.2 0.0 166.8
176 76.5 0.0 161.4

Manual Integrations
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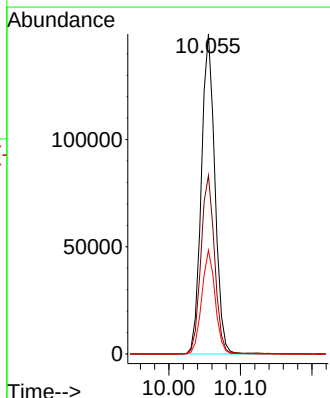
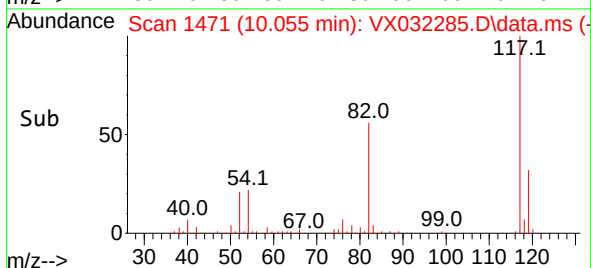
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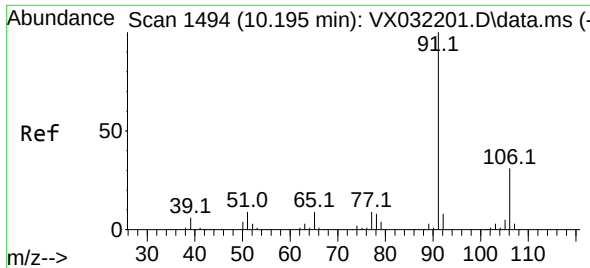


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52



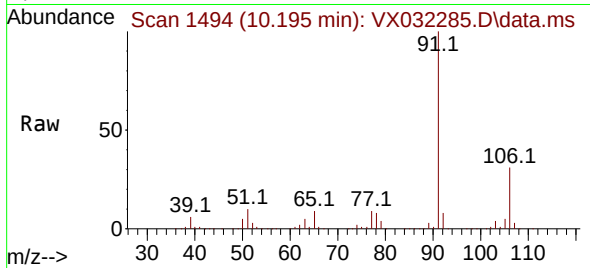
Tgt Ion:117 Resp: 196437
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.4
119 32.4 25.8 38.8





#67
Ethyl Benzene
Concen: 88.269 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

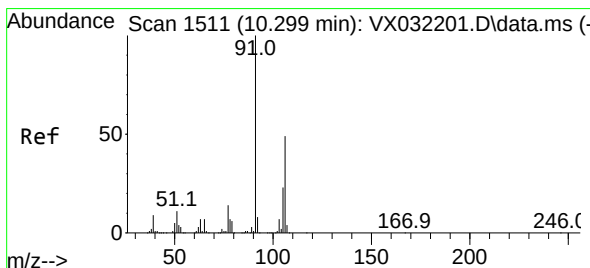
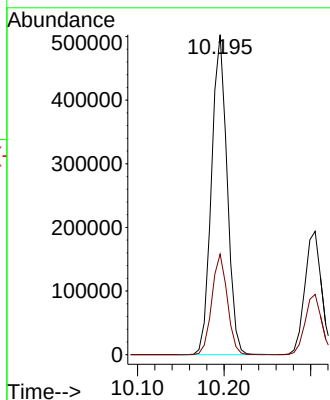
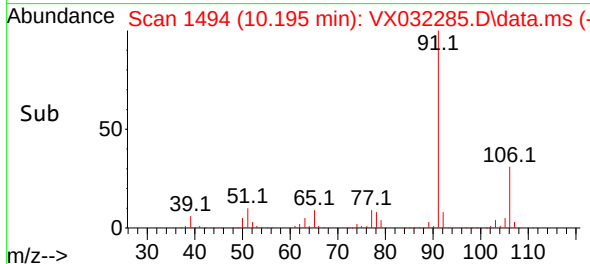
Instrument :
MSVOA_X
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PZ-3R



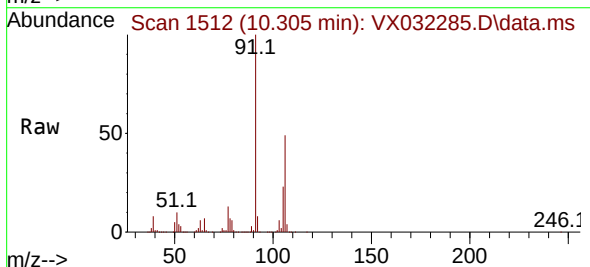
Tgt Ion: 91 Resp: 629404
Ion Ratio Lower Upper
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106 31.4 25.0 37.4

Manual Integrations
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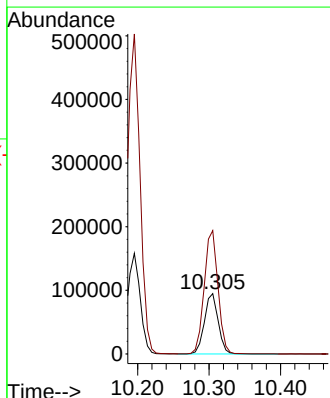
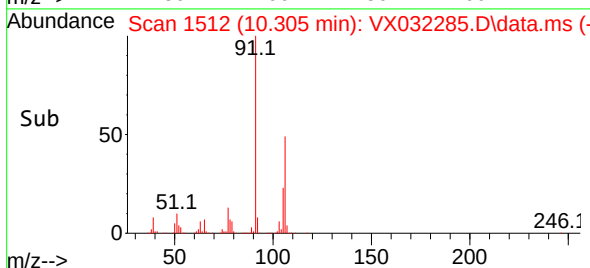
Reviewed By :John Carlone 10/24/2022
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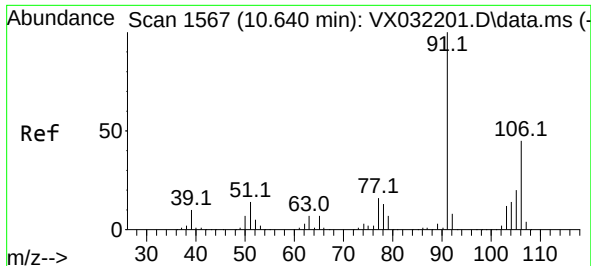


#68
m/p-Xylenes
Concen: 44.873 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52



Tgt Ion:106 Resp: 126361
Ion Ratio Lower Upper
106 100
91 205.6 162.6 244.0





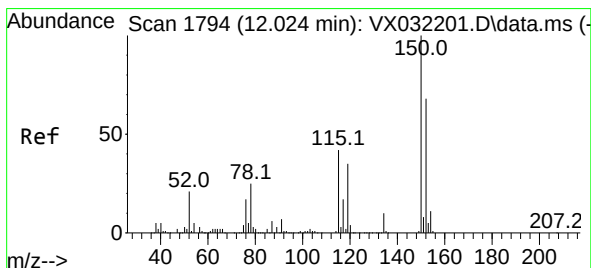
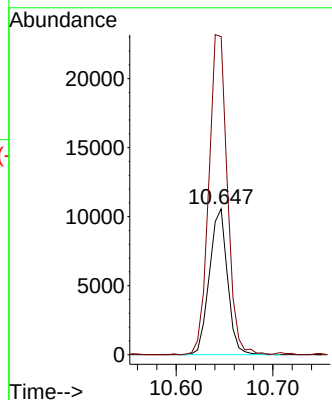
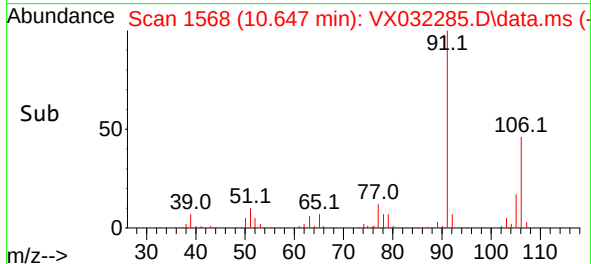
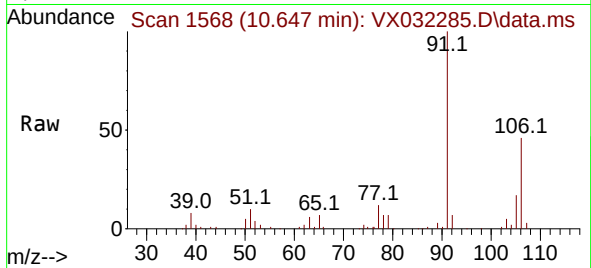
#69
o-Xylene
Concen: 5.093 ug/l
RT: 10.647 min Scan# 1567
Delta R.T. 0.007 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Instrument :
MSVOA_X
ClientSampleId :
PZ-3R

Tgt Ion:106 Resp: 13738
Ion Ratio Lower Upper
106 100
91 224.8 108.3 324.9

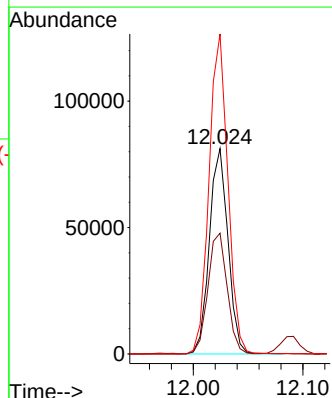
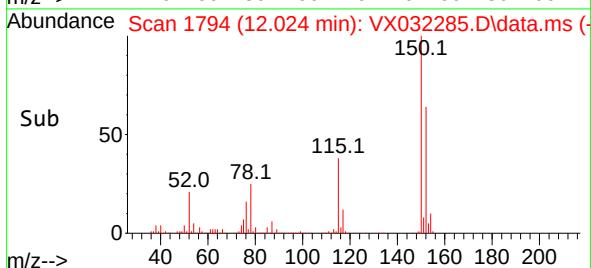
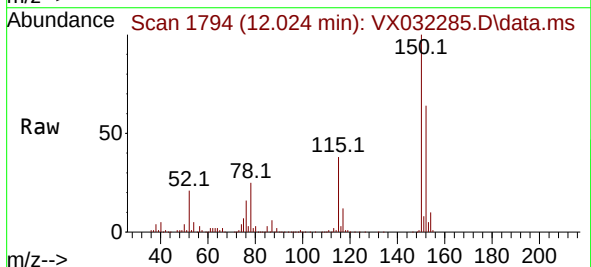
Manual Integrations
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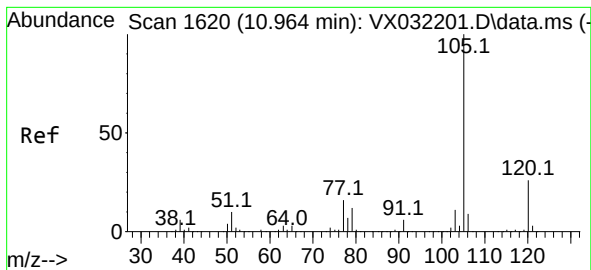
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

Tgt Ion:152 Resp: 95964
Ion Ratio Lower Upper
152 100
115 60.7 43.1 129.4
150 157.4 0.0 348.6





#73

Isopropylbenzene

Concen: 7.687 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX032285.D

Acq: 21 Oct 2022 13:52

Instrument :

MSVOA_X

ClientSampleId :

PZ-3R

Tgt Ion:105 Resp: 52638

Ion Ratio Lower Upper

105 100

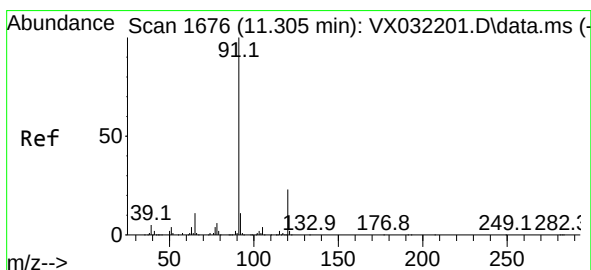
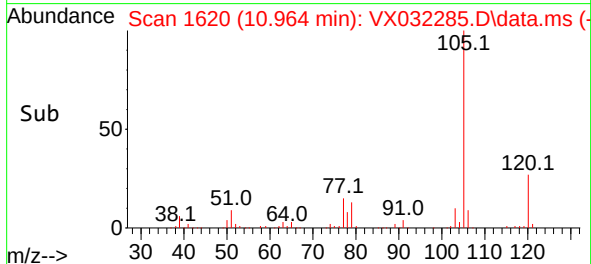
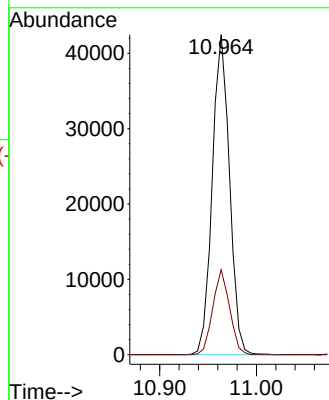
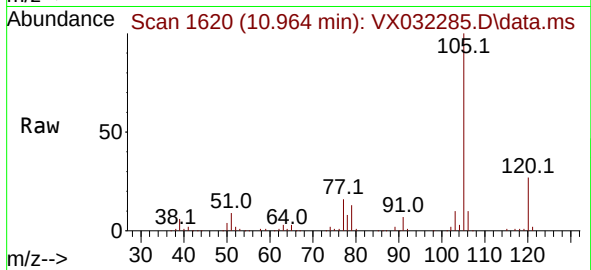
120 25.8 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2022

Supervised By :Mahesh Dadoda 10/24/2022



#78

n-propylbenzene

Concen: 21.168 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032285.D

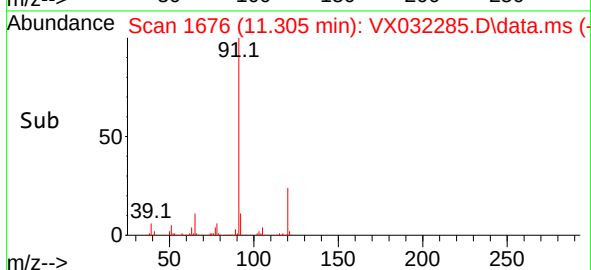
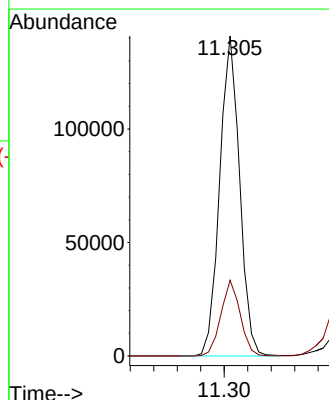
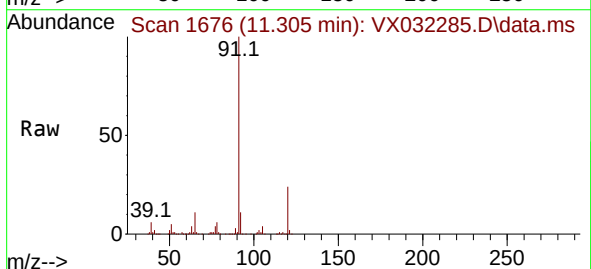
Acq: 21 Oct 2022 13:52

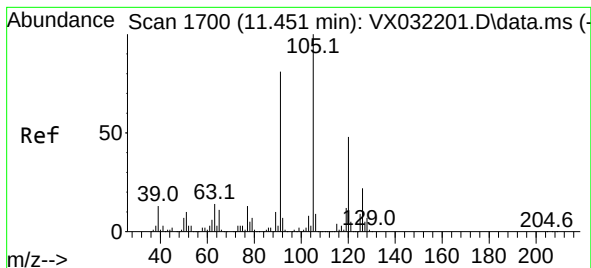
Tgt Ion: 91 Resp: 165970

Ion Ratio Lower Upper

91 100

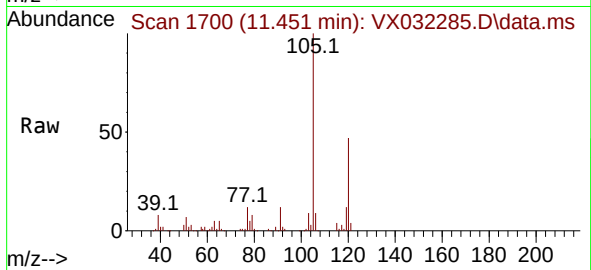
120 23.0 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 6.743 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52

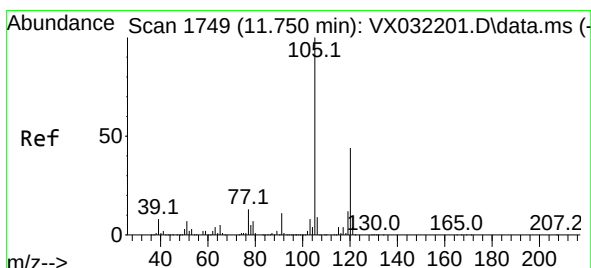
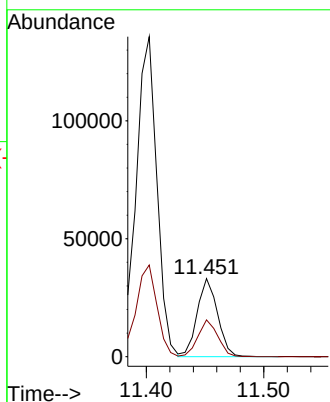
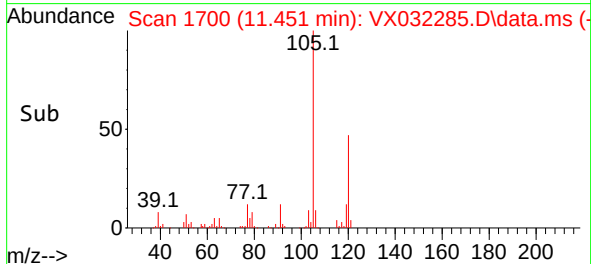
Instrument :
MSVOA_X
ClientSampleId :
PZ-3R



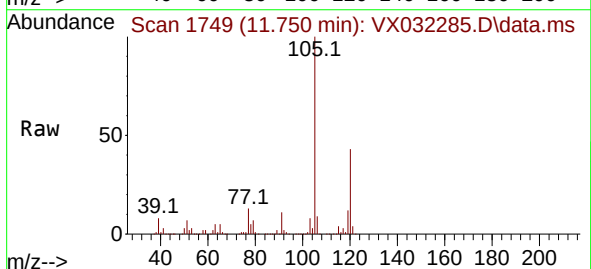
Tgt Ion:105 Resp: 3988
Ion Ratio Lower Upper
105 100
120 45.9 23.5 70.6

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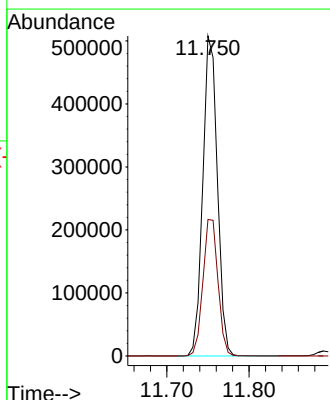
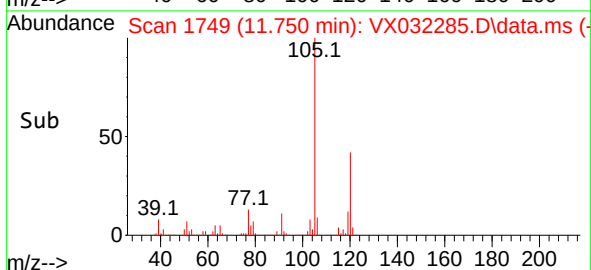
Reviewed By :John Carlone 10/24/2022
Supervised By :Mahesh Dadoda 10/24/2022

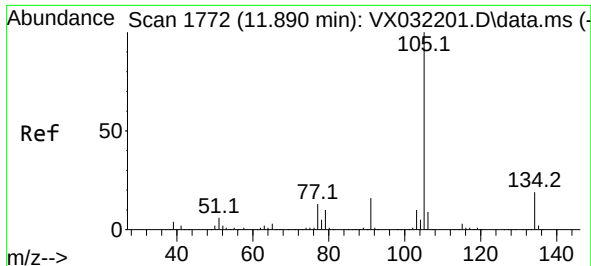


#84
1,2,4-Trimethylbenzene
Concen: 108.633 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX032285.D
Acq: 21 Oct 2022 13:52



Tgt Ion:105 Resp: 624677
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





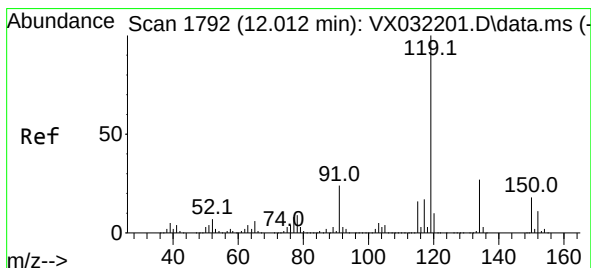
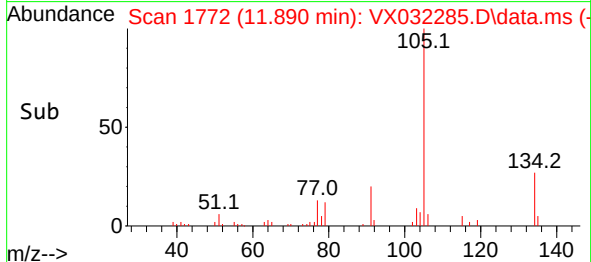
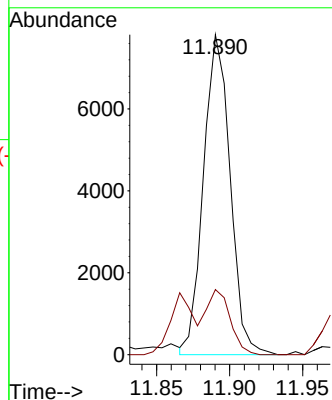
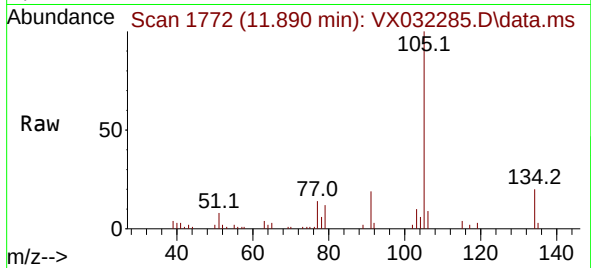
#85
 sec-Butylbenzene
 Concen: 1.385 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX032285.D
 Acq: 21 Oct 2022 13:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3R

Tgt Ion:105 Resp: 990
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3

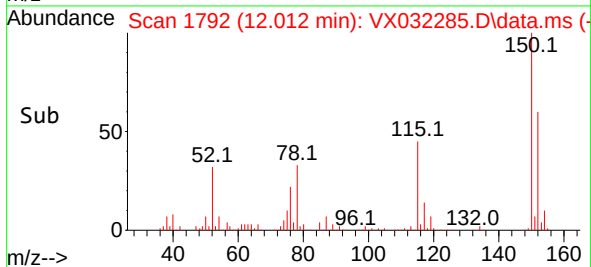
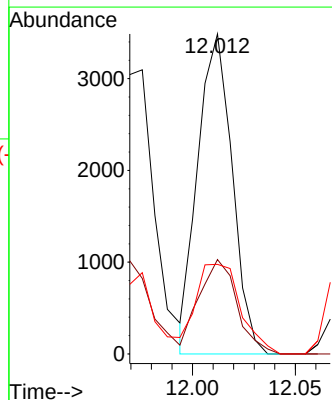
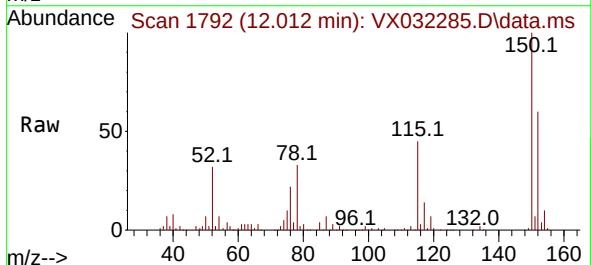
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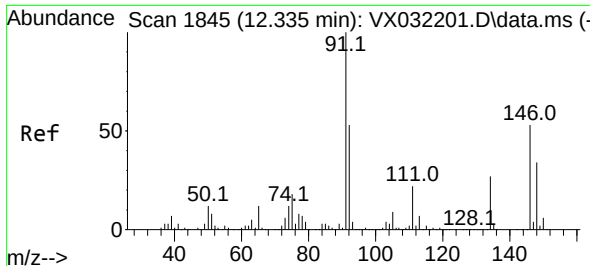
Reviewed By :John Carlone 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022



#86
 p-Isopropyltoluene
 Concen: 0.666 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX032285.D
 Acq: 21 Oct 2022 13:52

Tgt Ion:119 Resp: 4053
 Ion Ratio Lower Upper
 119 100
 134 32.7 13.2 39.5
 91 0.0 12.4 37.2





#89

n-Butylbenzene

Concen: 3.537 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032285.D

Acq: 21 Oct 2022 13:52

Instrument :

MSVOA_X

ClientSampleId :

PZ-3R

Tgt Ion: 91 Resp: 1895

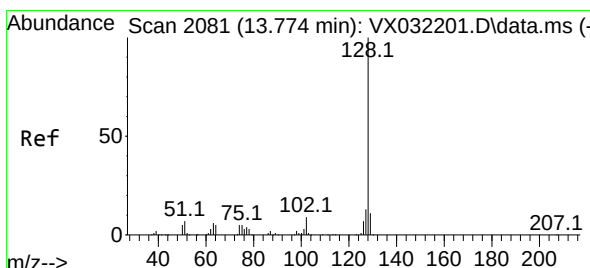
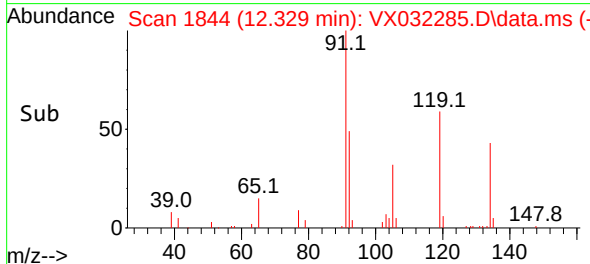
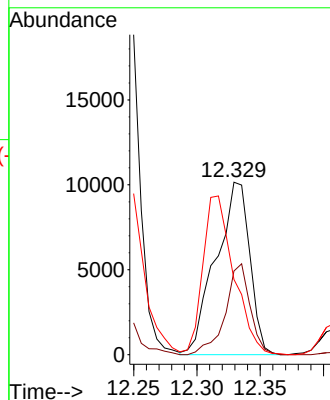
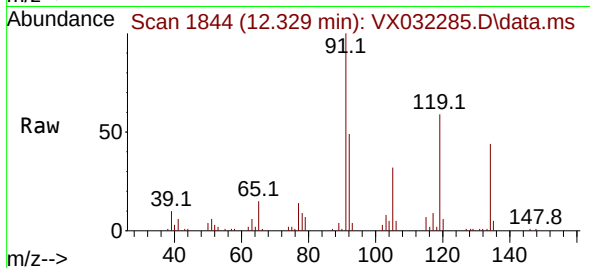
Ion	Ratio	Lower	Upper
91	100		
92	38.6	26.3	78.9
134	84.1	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2022

Supervised By :Mahesh Dadoda 10/24/2022



#95

Naphthalene

Concen: 23.831 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX032285.D

Acq: 21 Oct 2022 13:52

Tgt Ion:128 Resp: 157581

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

