

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
 Data File : VX028033.D
 Acq On : 08 Apr 2022 17:31
 Operator : JC/MD
 Sample : N2334-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWO-INCH-WELL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 11 01:18:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 07 18:12:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	80856	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	140646	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68414	55.738	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.480%			
35) Dibromofluoromethane	5.391	113	49073	51.979	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.960%			
50) Toluene-d8	8.653	98	169475	50.311	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.620%			
62) 4-Bromofluorobenzene	11.085	95	79312	55.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.780%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	6662	30.805	ug/l #	72
16) Acetone	2.386	43	3001	2.762	ug/l #	82
22) Diisopropyl ether	3.763	45	21886	7.333	ug/l	89
25) 2-Butanone	4.568	43	2480	3.114	ug/l #	81
31) Cyclohexane	5.477	56	260015	174.741	ug/l	86
39) Methylcyclohexane	7.385	83	113731	70.708	ug/l #	86
40) Benzene	6.044	78	145068	37.432	ug/l	98
52) Toluene	8.720	92	16015	6.437	ug/l	97
67) Ethyl Benzene	10.195	91	70345	12.095	ug/l	96
68) m/p-Xylenes	10.305	106	23489	10.772	ug/l	92
69) o-Xylene	10.646	106	3224	1.505	ug/l	83
73) Isopropylbenzene	10.963	105	474738	83.303	ug/l	100
78) n-propylbenzene	11.305	91	1244107	183.102	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	7714m	1.577	ug/l	
83) tert-Butylbenzene	11.719	119	2180	0.479	ug/l #	70
84) 1,2,4-Trimethylbenzene	11.756	105	4280	0.872	ug/l	96
85) sec-Butylbenzene	11.890	105	47350	8.246	ug/l	97
86) p-Isopropyltoluene	12.012	119	4379m	0.911	ug/l	
89) n-Butylbenzene	12.335	91	69569	16.094	ug/l #	68

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

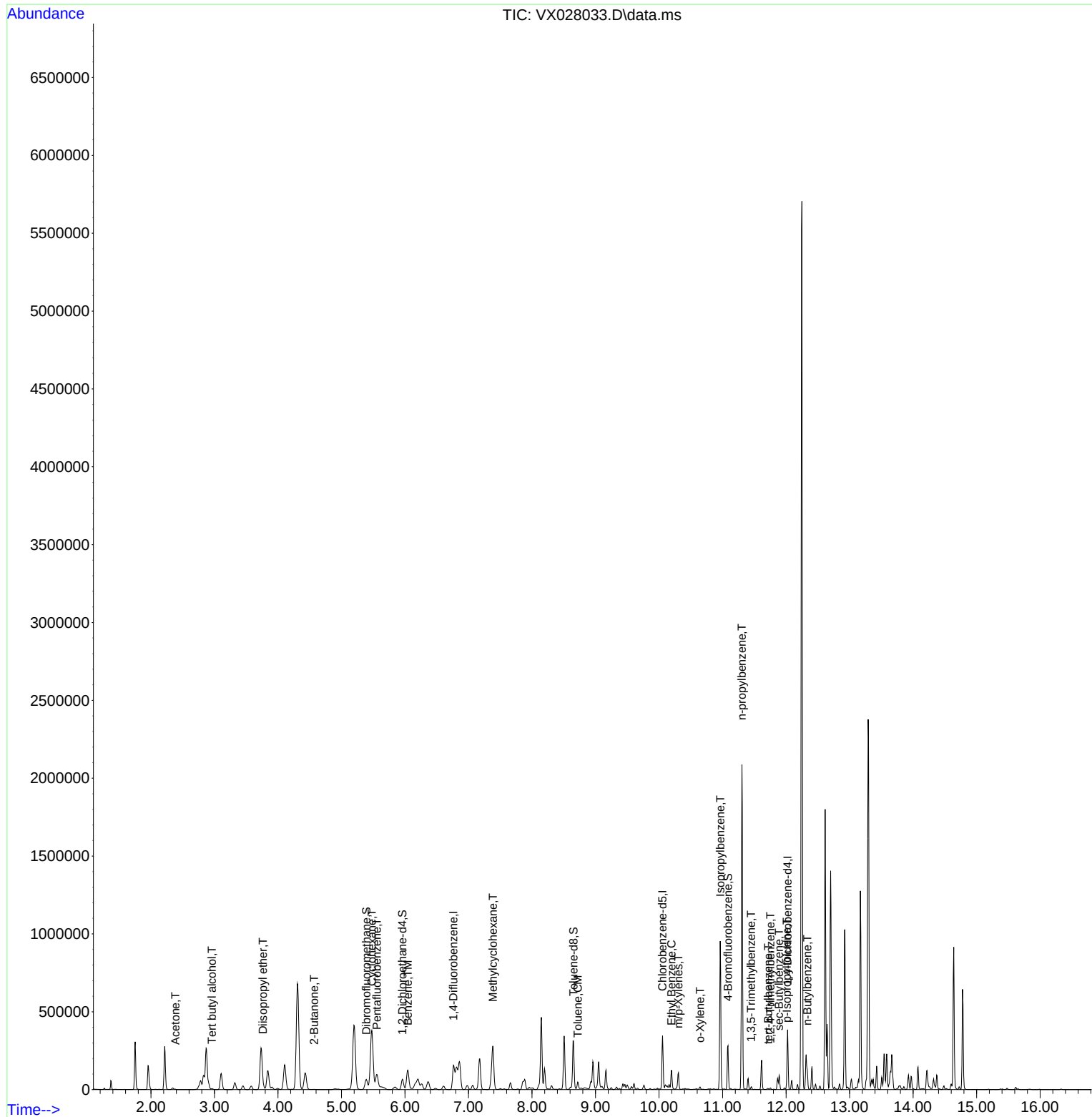
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040822\
Data File : VX028033.D
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Operator : JC/MD
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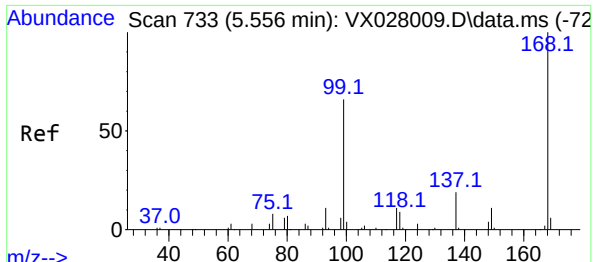
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL

Quant Time: Apr 11 01:18:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040722W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 07 18:12:28 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

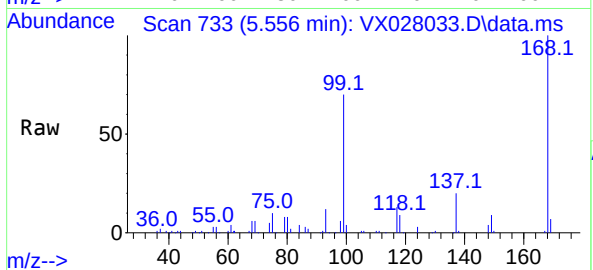
Reviewed By : John Carlone 04/11/2022
Supervised By : Mahesh Dadoda 04/11/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

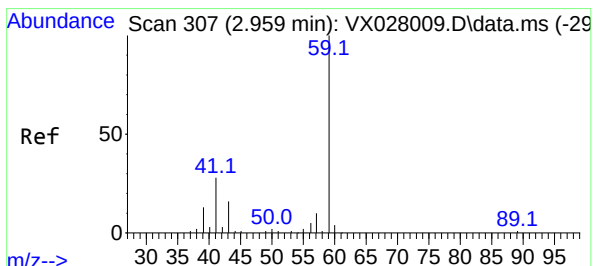
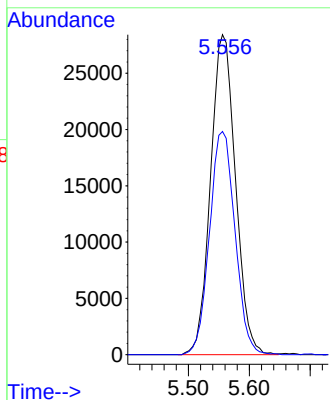
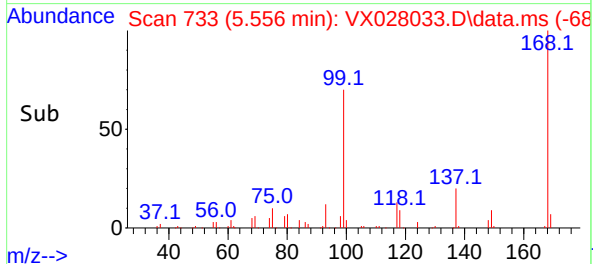
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



Tgt Ion:168 Resp: 80850
Ion Ratio Lower Upper
168 100
99 69.7 41.7 62.5

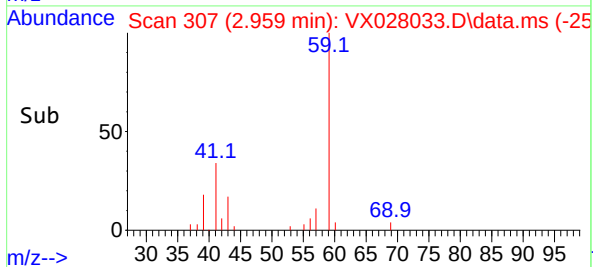
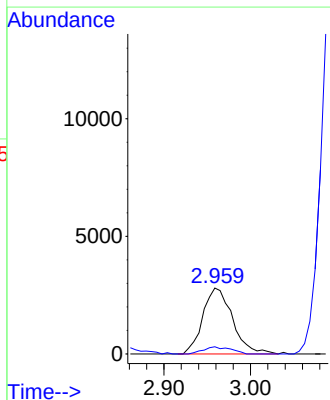
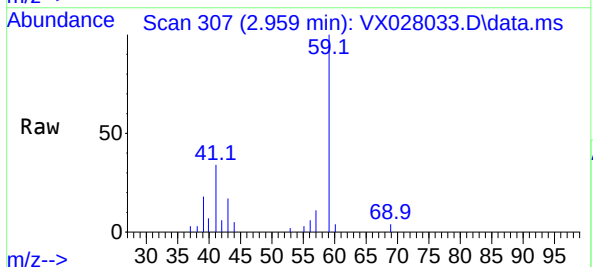
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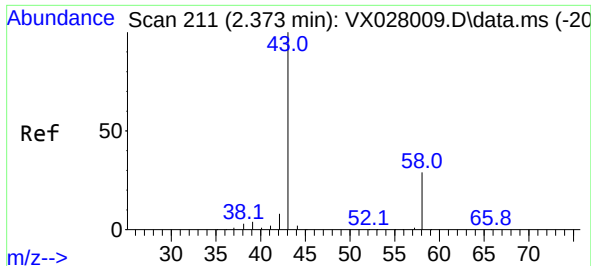
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#11
Tert butyl alcohol
Concen: 30.805 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

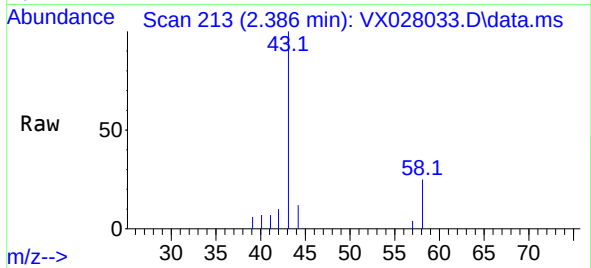
Tgt Ion: 59 Resp: 6662
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5





#16
Acetone
Concen: 2.762 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.013 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

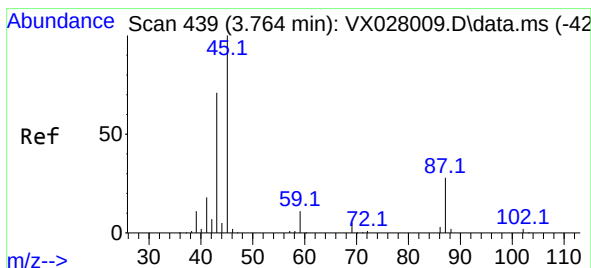
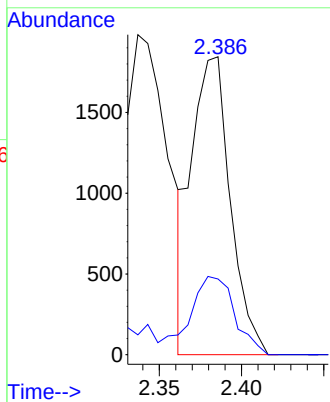
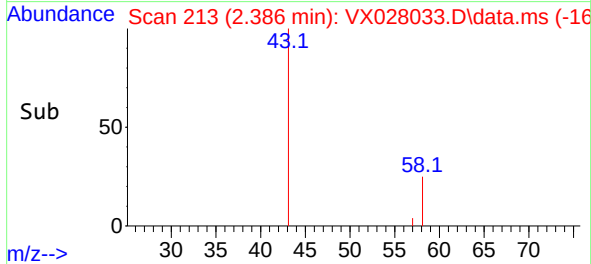
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
58 25.4 28.8 43.2

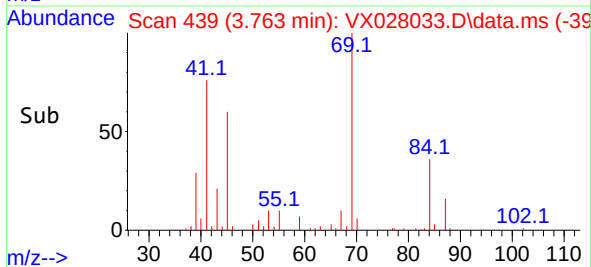
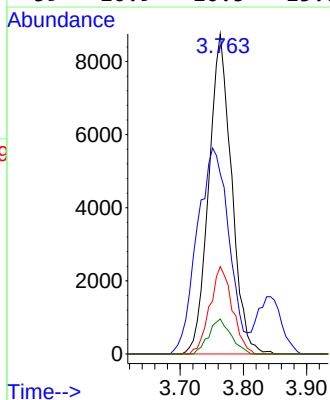
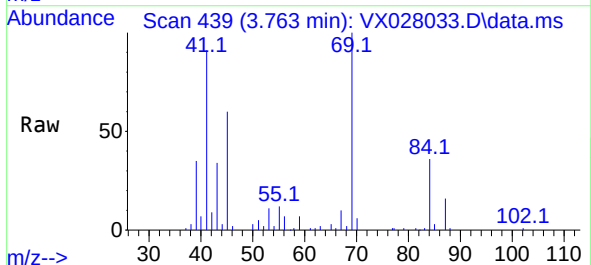
Manual Integrations
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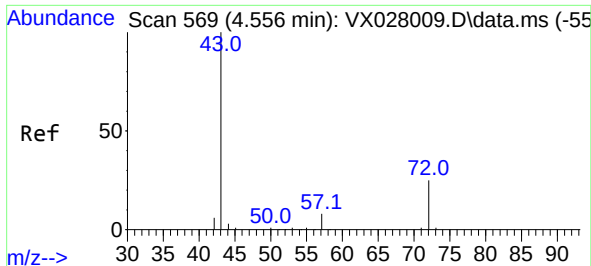
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#22
Diisopropyl ether
Concen: 7.333 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.001 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

Tgt Ion: 45 Resp: 21886
Ion Ratio Lower Upper
45 100
43 53.4 50.8 76.2
87 27.3 26.6 39.8
59 10.9 10.5 15.7





#25

2-Butanone

Concen: 3.114 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028033.D

Acq: 08 Apr 2022 17:31

Instrument :

MSVOA_X

ClientSampleId :

TWO-INCH-WELL

Tgt Ion: 43 Resp: 2480

Ion Ratio Lower Upper

43 100

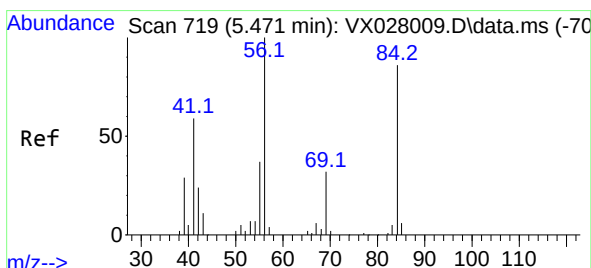
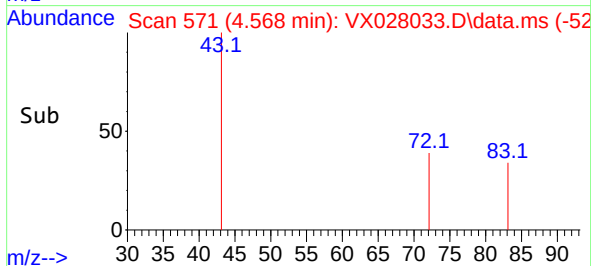
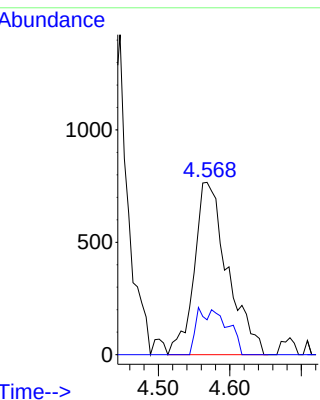
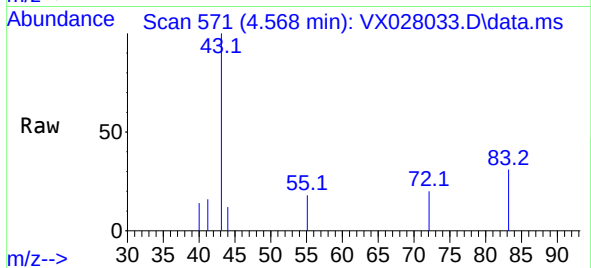
72 20.2 24.4 36.6

Manual Integrations

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Reviewed By :John Carlone 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#31

Cyclohexane

Concen: 174.741 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX028033.D

Acq: 08 Apr 2022 17:31

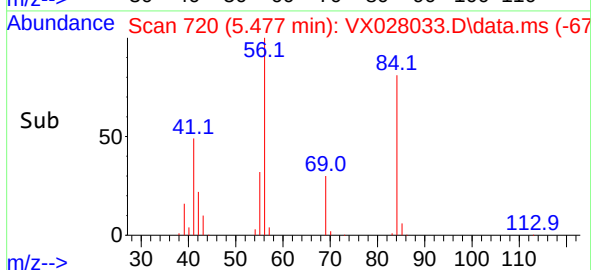
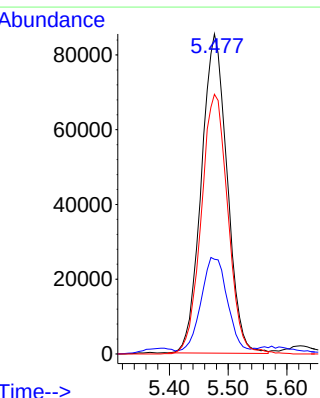
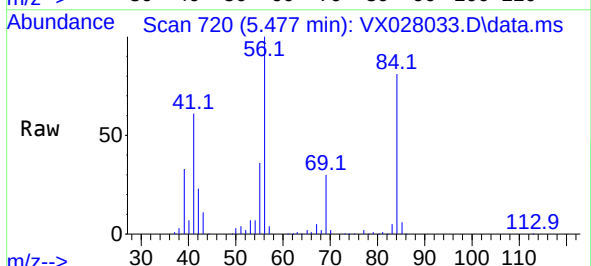
Tgt Ion: 56 Resp: 260015

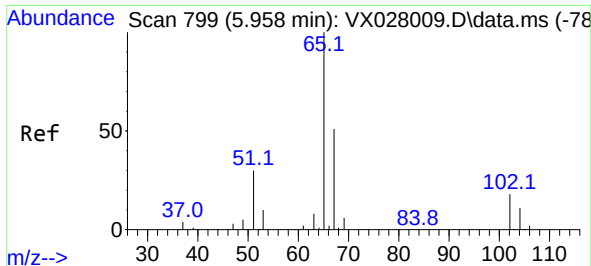
Ion Ratio Lower Upper

56 100

69 28.1 26.7 40.1

84 81.3 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 55.738 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028033.D

Acq: 08 Apr 2022 17:31

Instrument :

MSVOA_X

ClientSampleId :

TWO-INCH-WELL

Tgt Ion: 65 Resp: 68414

Ion Ratio Lower Upper

65 100

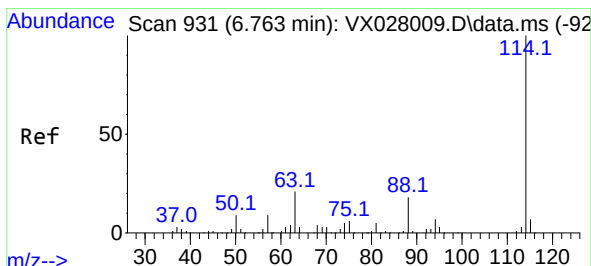
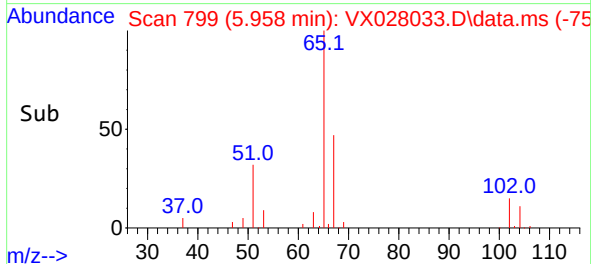
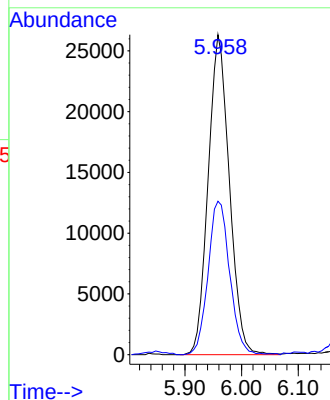
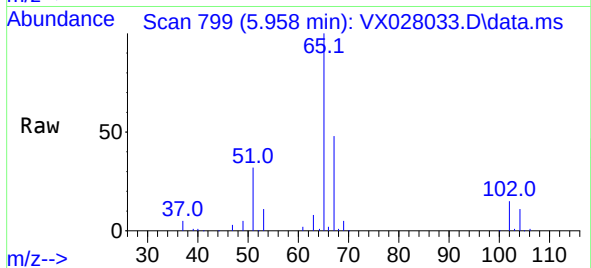
67 48.9 0.0 107.4

Manual Integrations

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Reviewed By :John Carlone 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028033.D

Acq: 08 Apr 2022 17:31

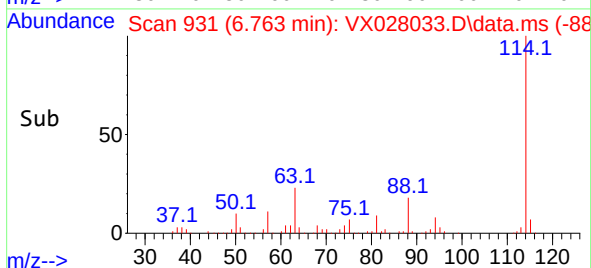
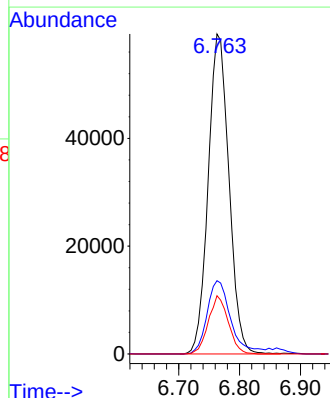
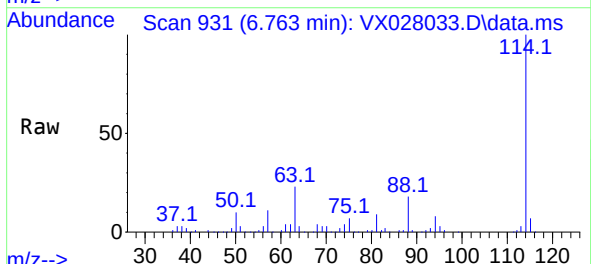
Tgt Ion:114 Resp: 140646

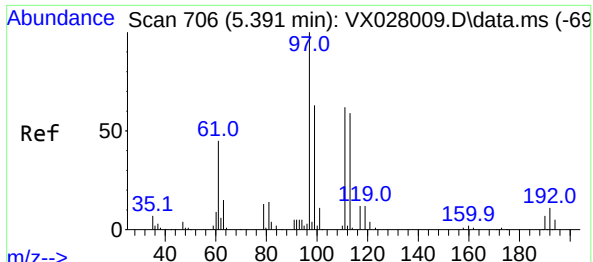
Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.8

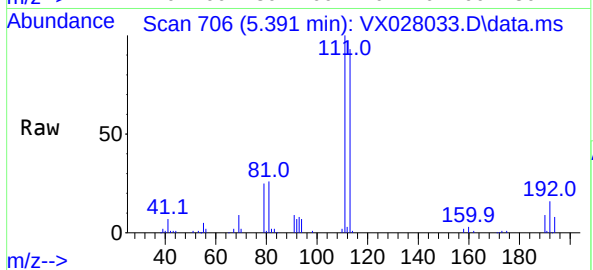
88 18.2 0.0 32.4





#35
Dibromofluoromethane
Concen: 51.979 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

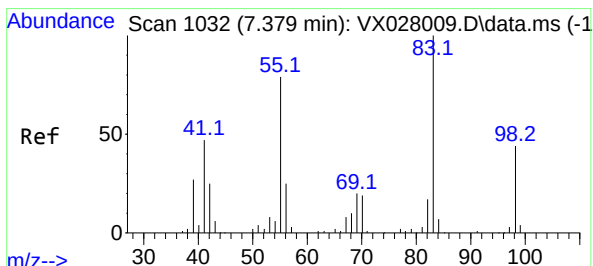
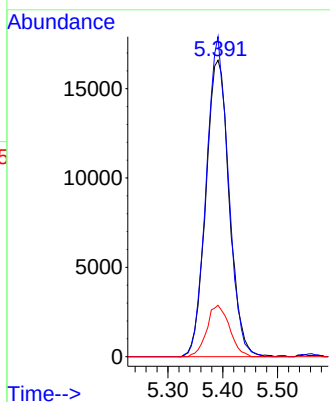
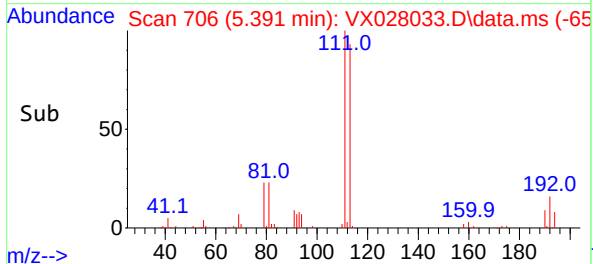
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



Tgt Ion: 113 Resp: 49073
Ion Ratio Lower Upper
113 100
111 102.3 82.8 124.2
192 16.8 16.9 25.3

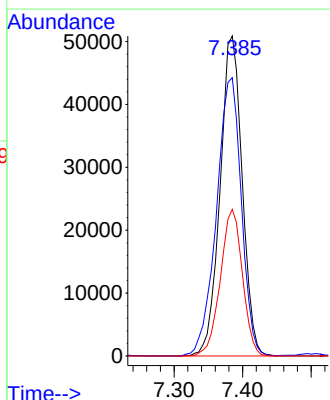
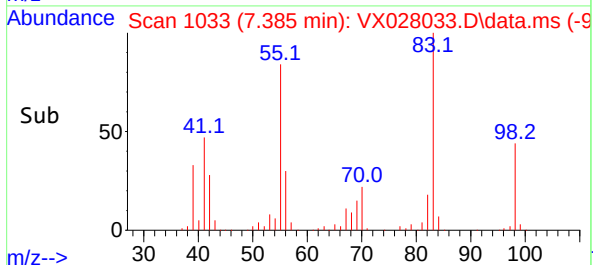
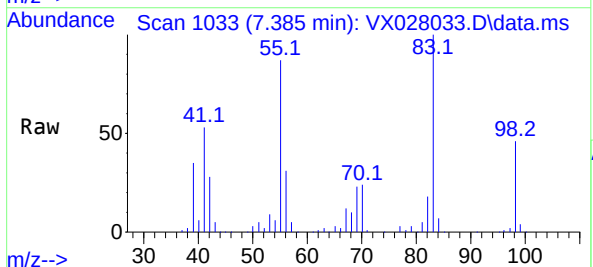
Manual Integrations
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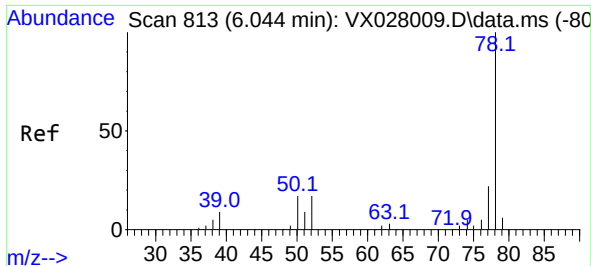
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#39
Methylcyclohexane
Concen: 70.708 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

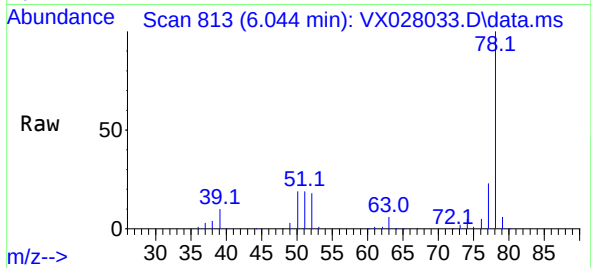
Tgt Ion: 83 Resp: 113731
Ion Ratio Lower Upper
83 100
55 87.0 54.6 81.8#
98 45.9 37.4 56.2





#40
Benzene
Concen: 37.432 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

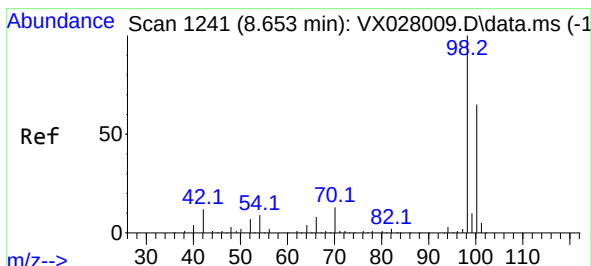
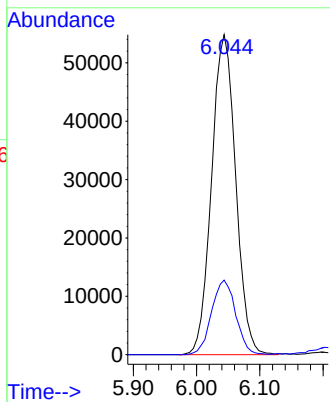
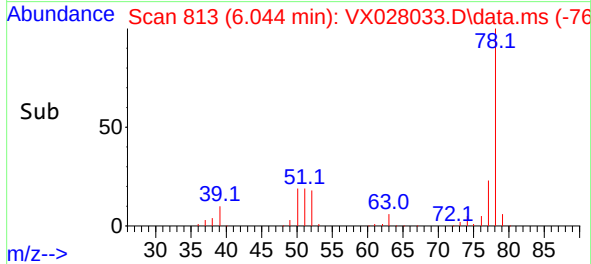
Instrument :
MSVOA_X
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TWO-INCH-WELL



Tgt Ion: 78 Resp: 145068
Ion Ratio Lower Upper
78 100
77 23.3 19.3 28.9

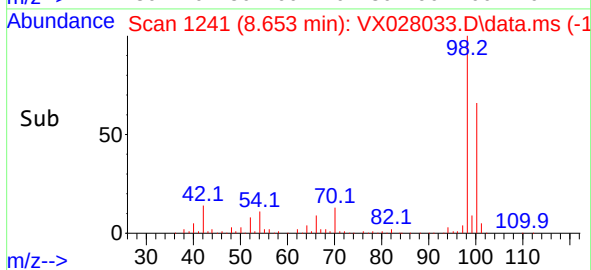
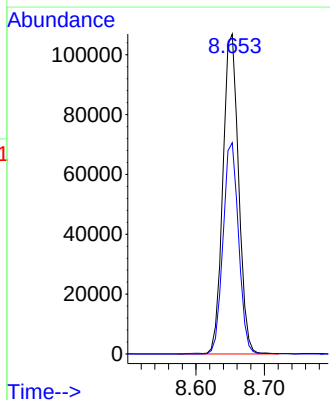
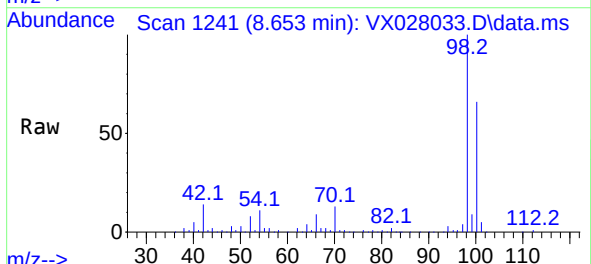
Manual Integrations
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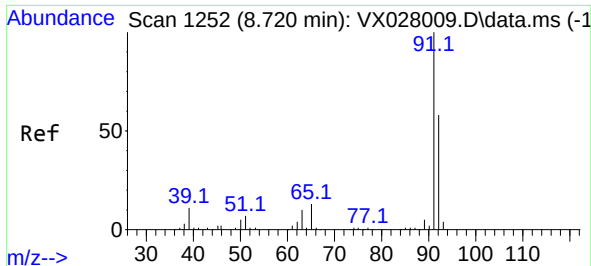
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#50
Toluene-d8
Concen: 50.311 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

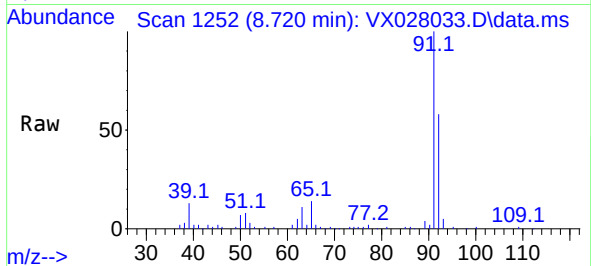
Tgt Ion: 98 Resp: 169475
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#52
Toluene
Concen: 6.437 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

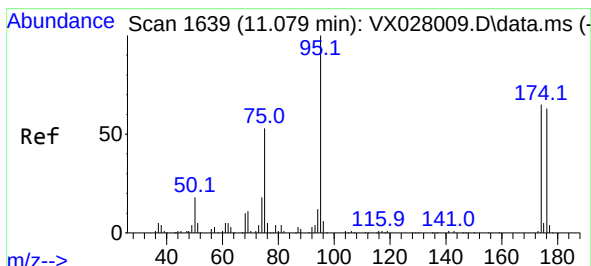
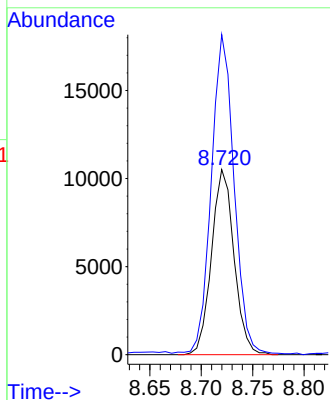
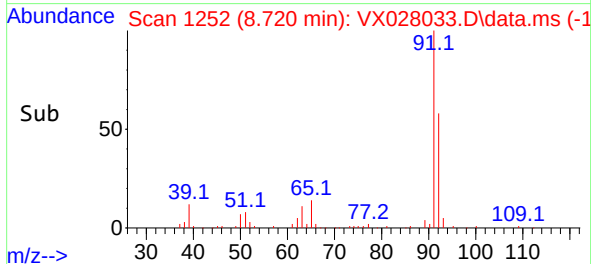
Instrument :
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TWO-INCH-WELL



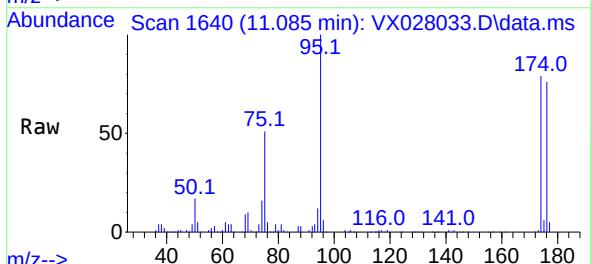
Tgt Ion: 92 Resp: 1601
Ion Ratio Lower Upper
92 100
91 176.3 137.5 206.3

Manual Integrations
APPROVED

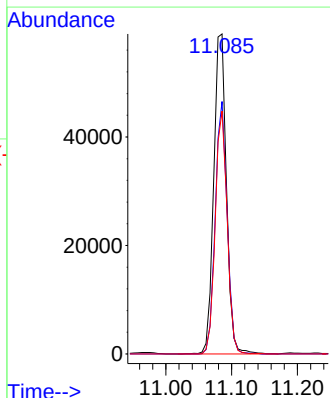
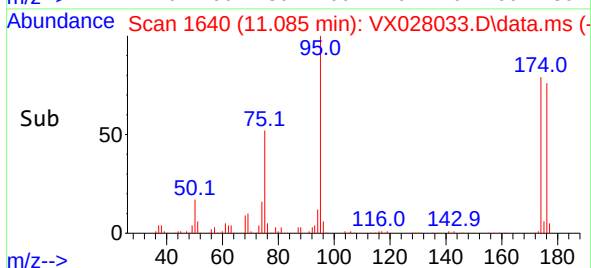
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022

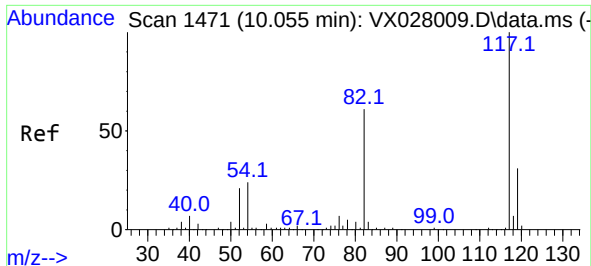


#62
4-Bromofluorobenzene
Concen: 55.386 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31



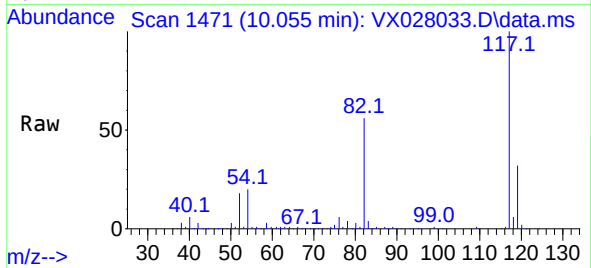
Tgt Ion: 95 Resp: 79312
Ion Ratio Lower Upper
95 100
174 73.7 0.0 163.0
176 71.5 0.0 155.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

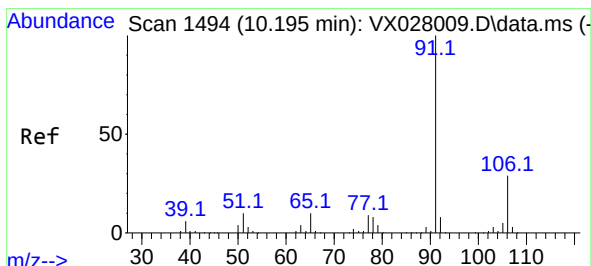
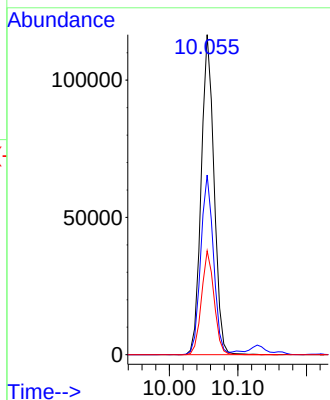
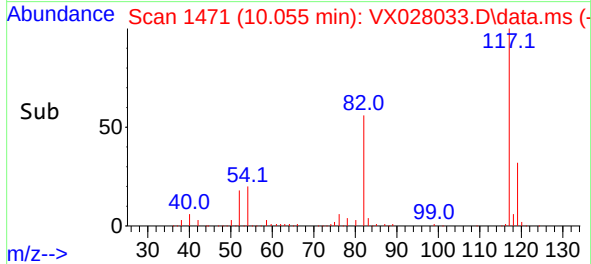
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



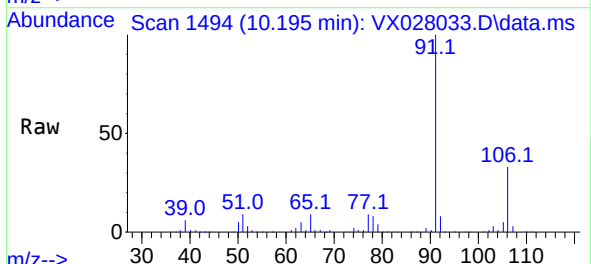
Tgt Ion:117 Resp: 152149
Ion Ratio Lower Upper
117 100
82 56.1 41.8 62.8
119 32.4 24.8 37.2

Manual Integrations
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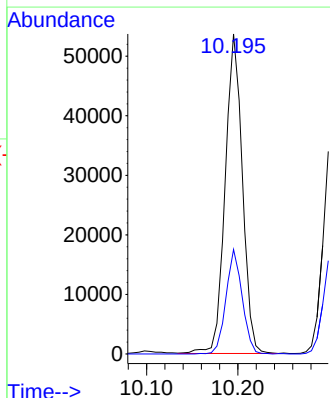
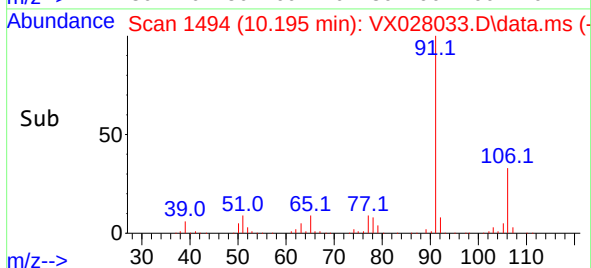
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022

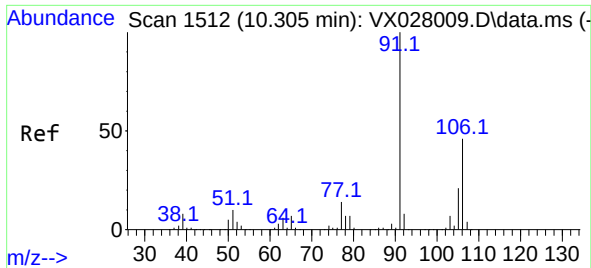


#67
Ethyl Benzene
Concen: 12.095 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31



Tgt Ion: 91 Resp: 70345
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8





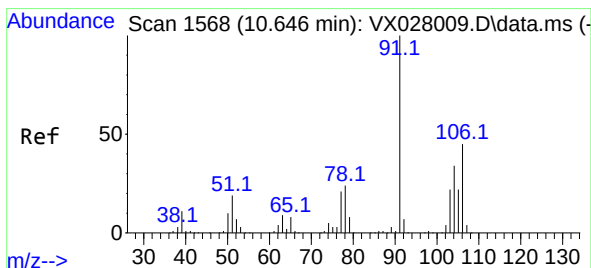
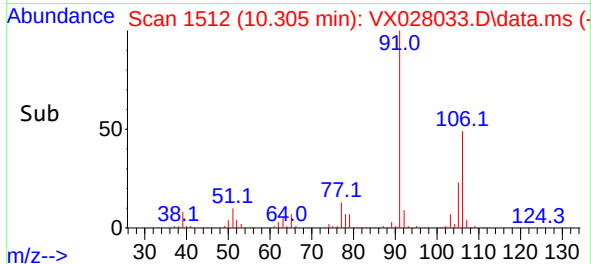
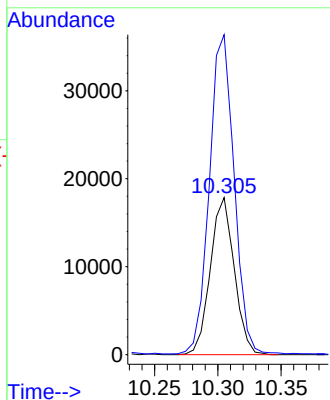
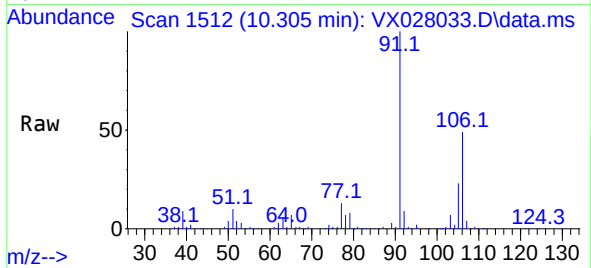
#68
m/p-Xylenes
Concen: 10.772 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL

Tgt Ion:106 Resp: 23489
Ion Ratio Lower Upper
106 100
91 212.5 160.4 240.6

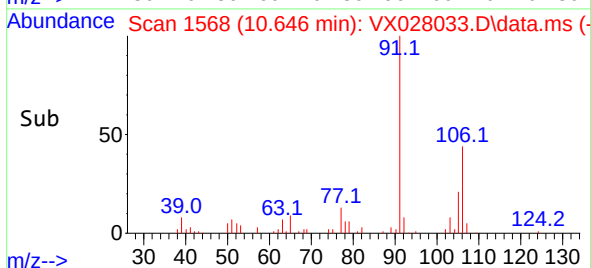
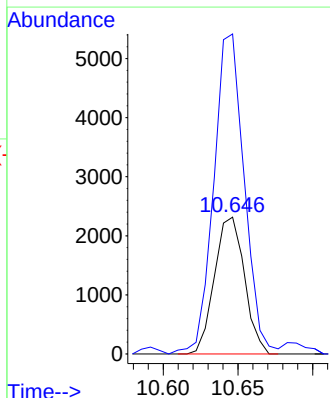
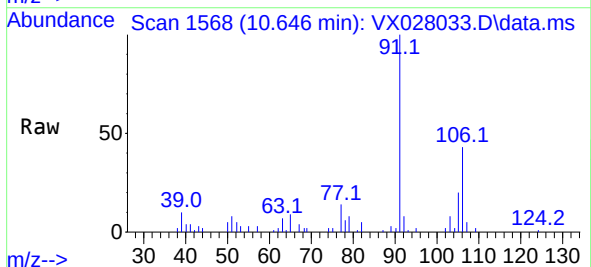
Manual Integrations
APPROVED

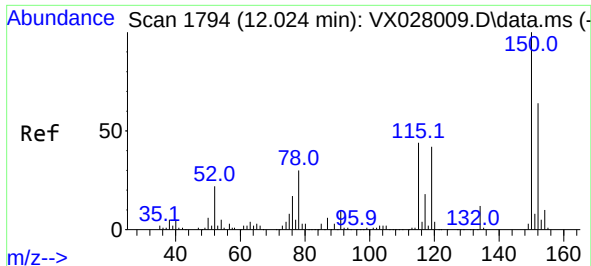
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#69
o-Xylene
Concen: 1.505 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

Tgt Ion:106 Resp: 3224
Ion Ratio Lower Upper
106 100
91 238.4 106.1 318.1





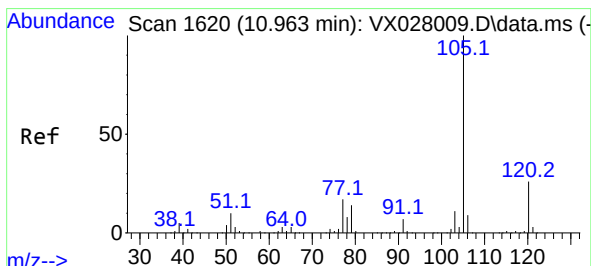
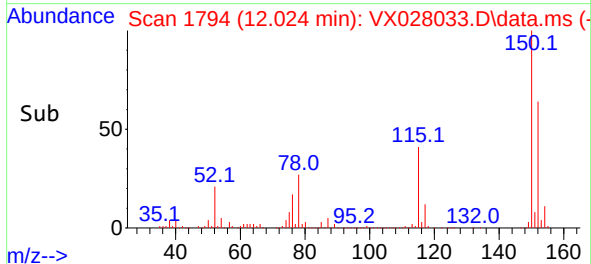
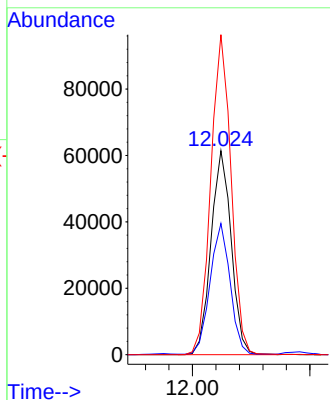
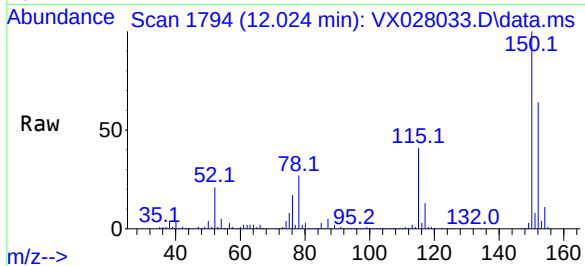
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL

Tgt Ion:152 Resp: 7351
Ion Ratio Lower Upper
152 100
115 63.3 37.5 112.7
150 157.2 0.0 338.2

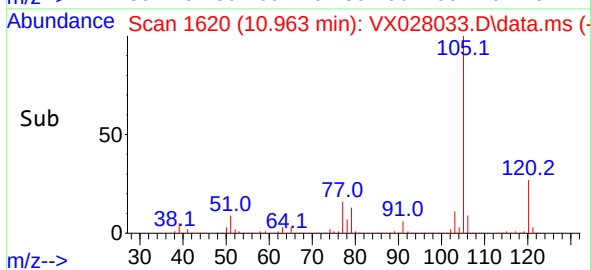
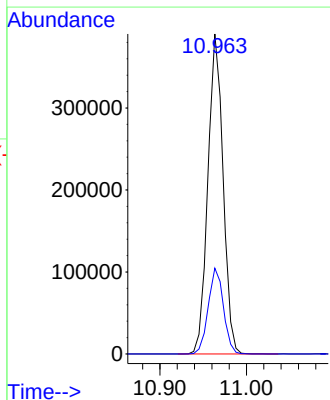
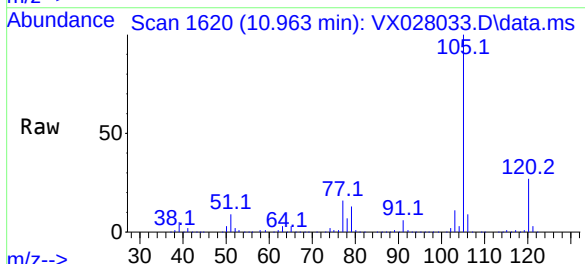
Manual Integrations
APPROVED

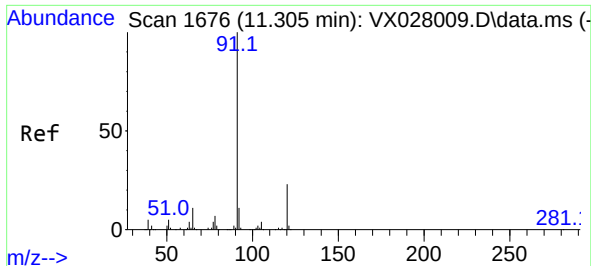
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#73
Isopropylbenzene
Concen: 83.303 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

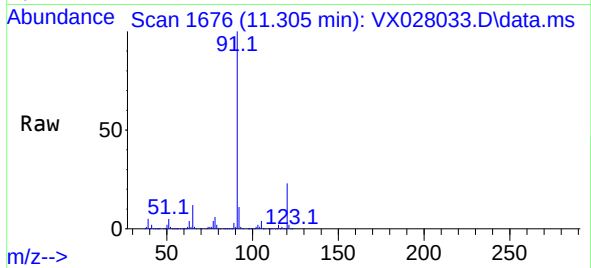
Tgt Ion:105 Resp: 474738
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.5





#78
n-propylbenzene
Concen: 183.102 ug/l
RT: 11.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

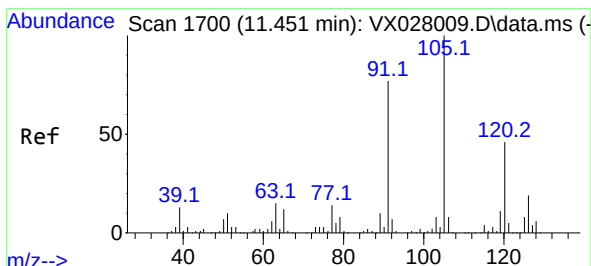
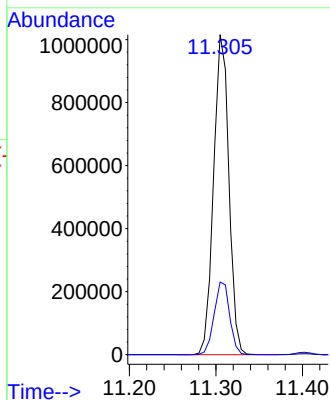
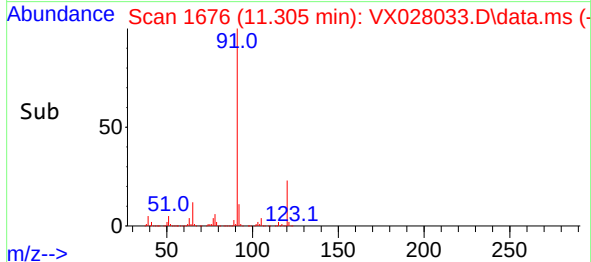
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



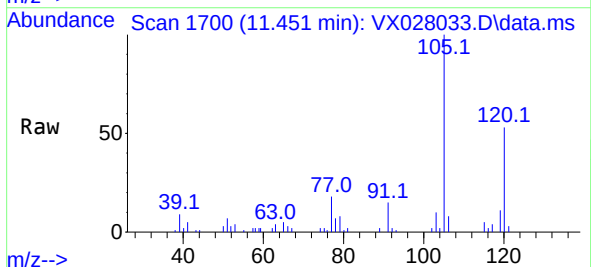
Tgt Ion: 91 Resp: 124410
Ion Ratio Lower Upper
91 100
120 23.1 11.6 34.8

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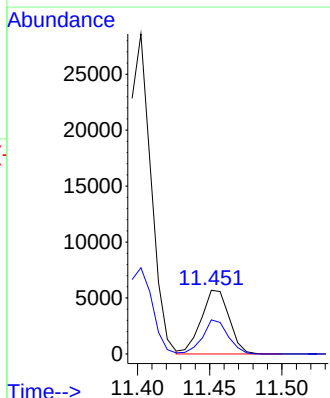
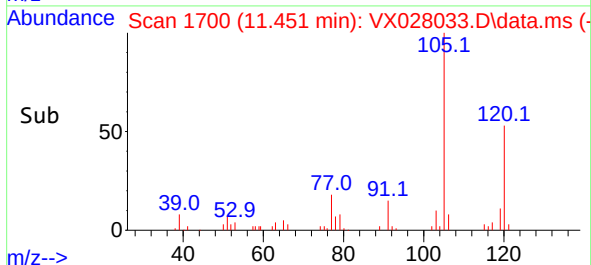
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022

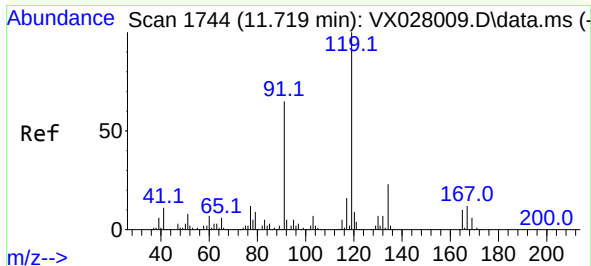


#80
1,3,5-Trimethylbenzene
Concen: 1.577 ug/l m
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31



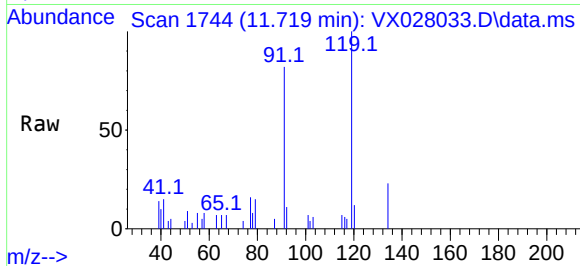
Tgt Ion:105 Resp: 7714
Ion Ratio Lower Upper
105 100
120 121.5 24.3 72.9#





#83
tert-Butylbenzene
Concen: 0.479 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31

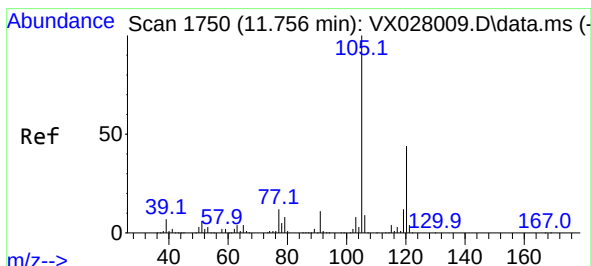
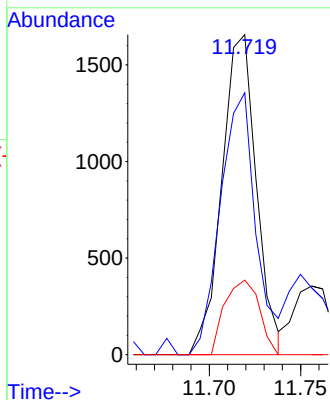
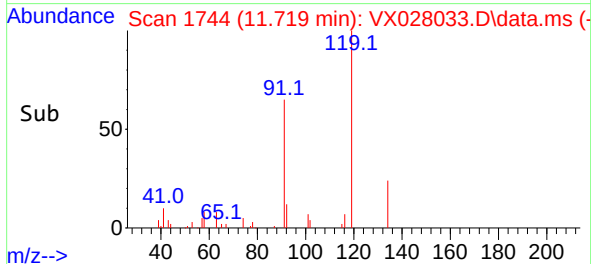
Instrument :
MSVOA_X
ClientSampleId :
TWO-INCH-WELL



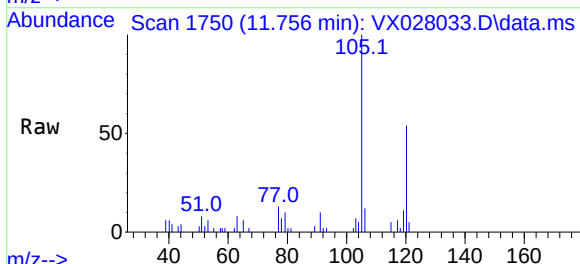
Tgt Ion:119 Resp: 2180
Ion Ratio Lower Upper
119 100
91 84.3 26.9 80.6
134 23.3 11.4 34.2

Manual Integrations
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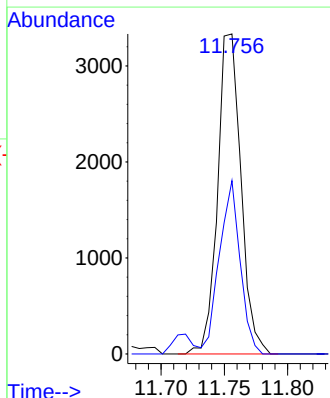
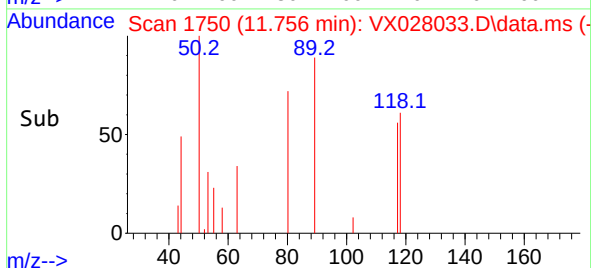
Reviewed By :John Carlone 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022

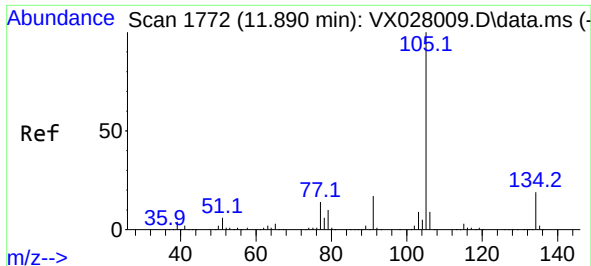


#84
1,2,4-Trimethylbenzene
Concen: 0.872 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028033.D
Acq: 08 Apr 2022 17:31



Tgt Ion:105 Resp: 4280
Ion Ratio Lower Upper
105 100
120 48.1 22.6 67.8





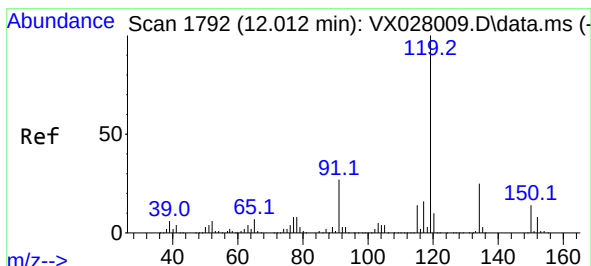
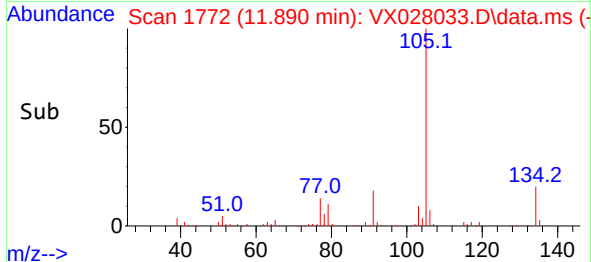
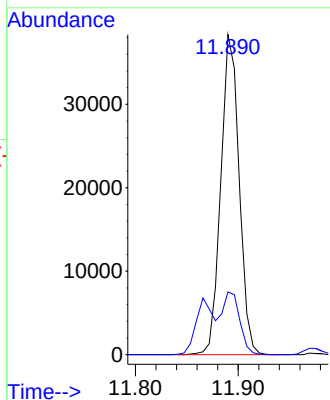
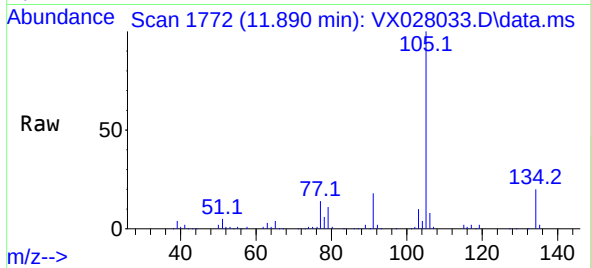
#85
 sec-Butylbenzene
 Concen: 8.246 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX028033.D
 Acq: 08 Apr 2022 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TWO-INCH-WELL

Tgt Ion:105 Resp: 47350
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.2 30.4

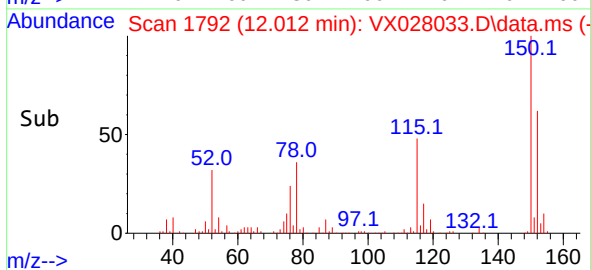
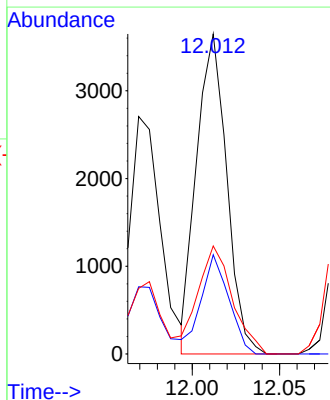
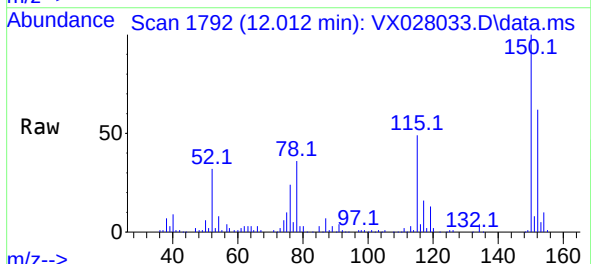
Manual Integrations
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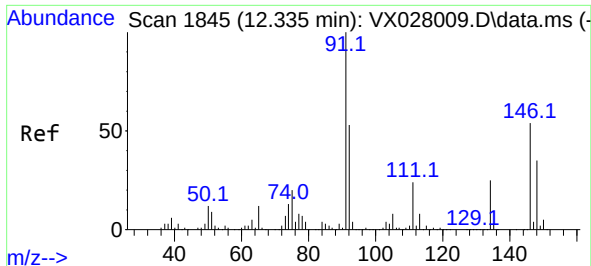
Reviewed By :John Carlone 04/11/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#86
 p-Isopropyltoluene
 Concen: 0.911 ug/l m
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX028033.D
 Acq: 08 Apr 2022 17:31

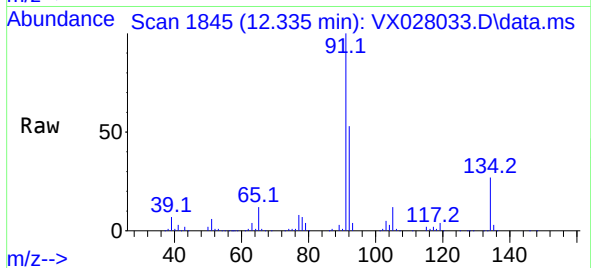
Tgt Ion:119 Resp: 4379
 Ion Ratio Lower Upper
 119 100
 134 79.8 13.0 39.0#
 91 0.0 11.3 33.9#





#89
 n-Butylbenzene
 Concen: 16.094 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX028033.D
 Acq: 08 Apr 2022 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TWO-INCH-WELL



Tgt Ion: 91 Resp: 69569

Ion	Ratio	Lower	Upper
91	100		
92	40.2	27.8	83.3
134	54.6	13.3	39.8

Manual Integrations
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Reviewed By :John Carlone 04/11/2022
 Supervised By :Mahesh Dadoda 04/11/2022

