

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR111918\
 Data File : VR026225.D
 Acq On : 19 Nov 2018 17:17
 Operator : SY/MD
 Sample : J5997-08
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YA6

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 10:16:07 AM

Quant Time: Nov 20 04:59:17 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 20 04:16:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	548162	5.00	ug/L	0.02
28) Chlorobenzene-d5	11.30	117	671568	5.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	13.23	152	279203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	157646	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	2.63	69	180282	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	3.64	63	334229	3.13	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	6.61	46	218746	62.20	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.40%
24) Chloroform-d	7.22	84	335391	4.67	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	7.91	65	131943	4.63	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.88	84	681039	3.54	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.80%
36) 1,2-Dichloropropane-d6	8.94	67	280323	5.48	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	10.02	98	199366	1.12	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	22.40%#
43) trans-1,3-Dichloropropene-	10.29	79	104954m	8.20	ug/L	0.05
Spiked Amount	5.000	Range	55 - 130	Recovery	=	164.00%#
46) 2-Hexanone-d5	10.61	63	461706	123.74	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	247.48%#
57) 1,1,2,2-Tetrachloroethane-	12.37	84	81547	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	205087	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
13) Acetone	3.73	43	43575	11.723	ug/L 77
19) 1,1-Dichloroethane	5.72	63	72946	0.964	ug/L 89
22) cis-1,2-Dichloroethene	6.70	96	196731	5.382	ug/L # 92
29) 1,1,1-Trichloroethane	7.48	97	304127	3.383	ug/L 98
30) Cyclohexane	7.56	56	52142	0.662	ug/L # 83
34) Trichloroethene	8.73	95	68105	1.103	ug/L 97
35) Methylcyclohexane	8.99	83	900938	11.219	ug/L 84
42) Toluene	10.24	91	161986626m	641.462	ug/L
45) 1,1,2-Trichloroethane	10.46	97	983374	44.808	ug/L # 20
47) Tetrachloroethene	10.55	164	196425	4.656	ug/L 94
52) Ethylbenzene	11.41	91	28750548	100.375	ug/L # 3
53) m,p-Xylene	11.52	106	20544160	197.599	ug/L # 33
54) o-Xylene	11.84	106	5027452	52.989	ug/L 60
56) Isopropylbenzene	12.14	105	1379470	5.384	ug/L 98
65) 1,2-Dichlorobenzene	13.53	146	18257	0.257	ug/L 98

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Misc : 25mL/MSVOA_R/WATER
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ClientSampleId :
E3YA6

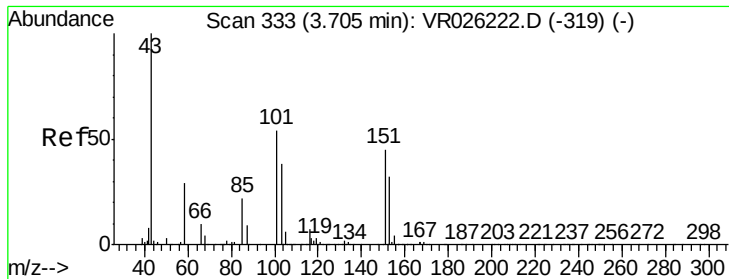
Manual Integrations
APPROVED

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Quant Time: Nov 20 04:59:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



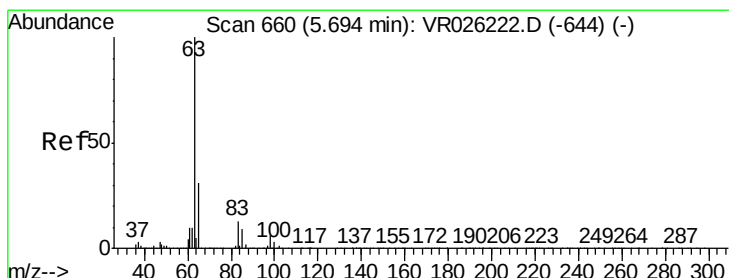
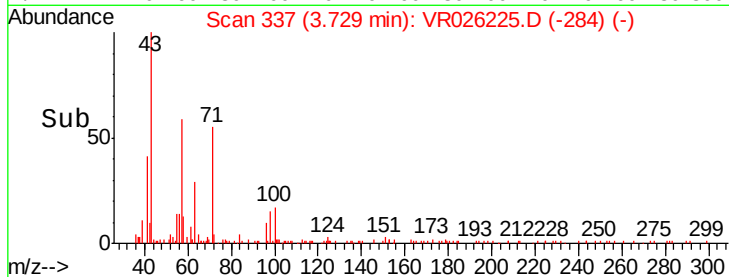
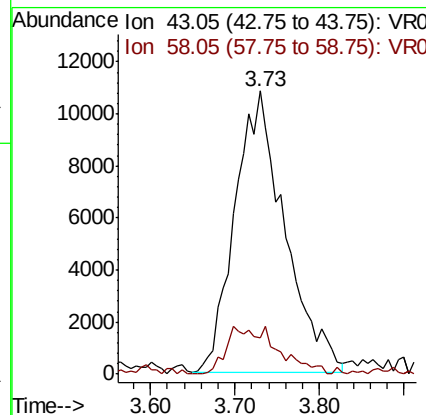
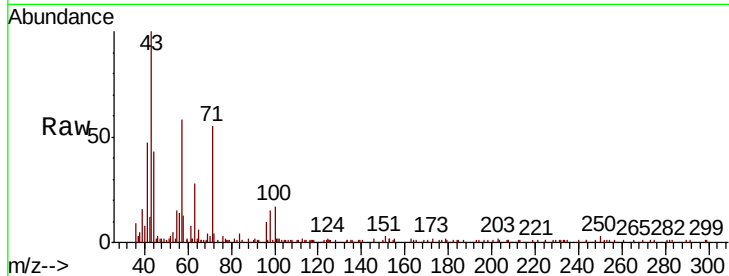
#13
Acetone
Concen: 11.723 ug/L
RT: 3.73 min Scan# 337
Delta R.T. 0.02 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Instrument :
MSVOA_R
ClientSampleId :
E3YA6

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.2	0.0	58.6

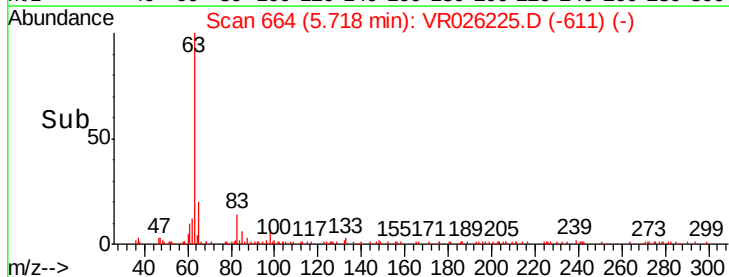
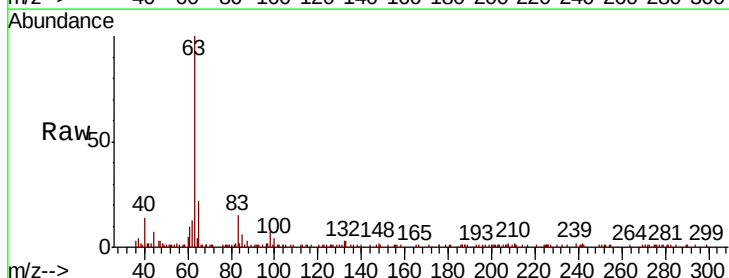
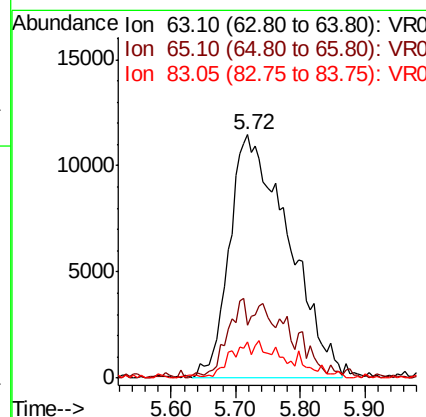
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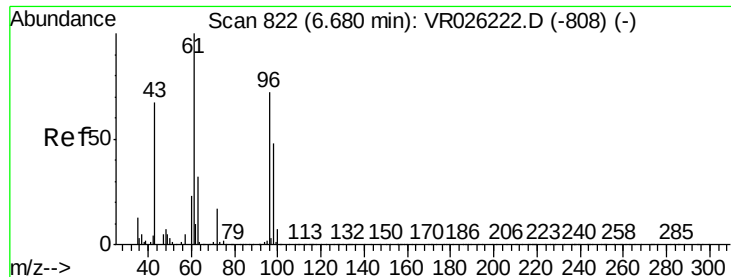
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#19
1,1-Dichloroethane
Concen: 0.964 ug/L
RT: 5.72 min Scan# 664
Delta R.T. 0.02 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Tgt Ion	Ratio	Lower	Upper
63	100		
65	22.4	20.9	38.7
83	14.9	9.1	16.9





#22

cis-1,2-Dichloroethene

Concen: 5.382 ug/L

RT: 6.70 min Scan# 826

Delta R.T. 0.02 min

Lab File: VR026225.D

Acq: 19 Nov 2018 17:17

Instrument :

MSVOA_R

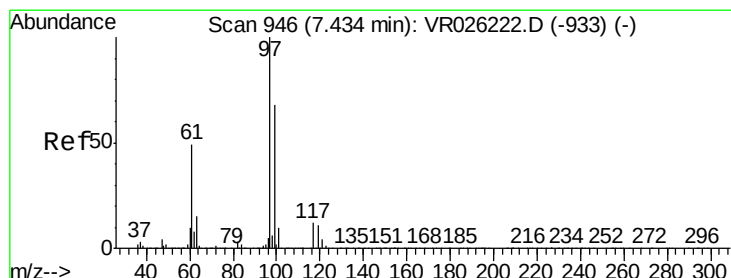
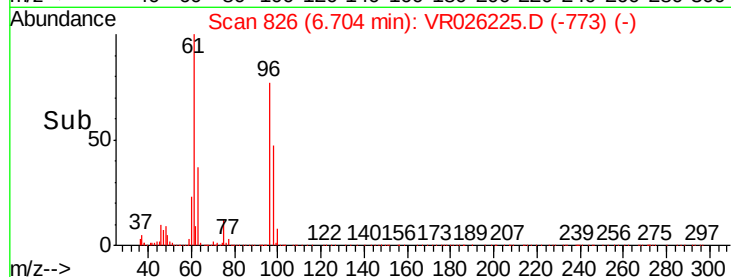
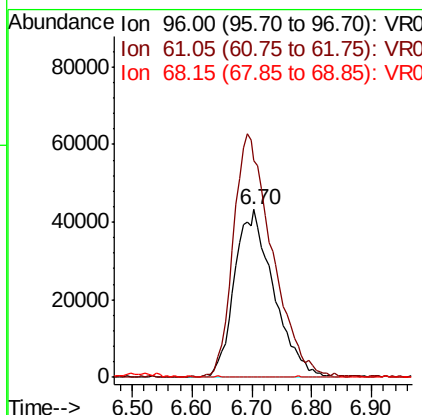
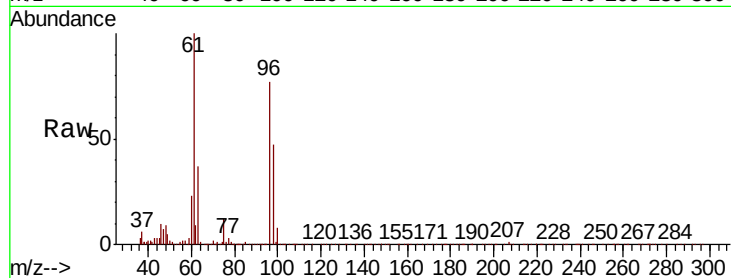
ClientSampleId :

E3YA6

Tgt Ion:	96	Resp:	196731
Ion Ratio	Lower	Upper	
96	100		
61	129.1	97.4	180.8
68	0.5	0.1	0.3#

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#29

1,1,1-Trichloroethane

Concen: 3.383 ug/L

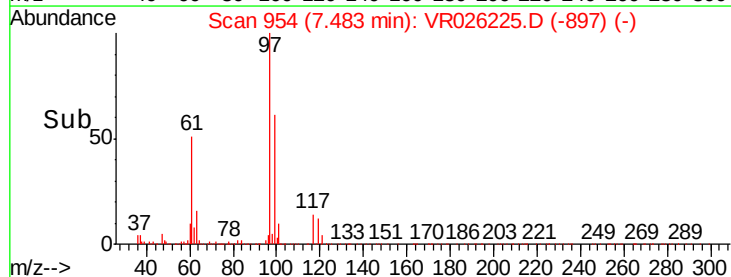
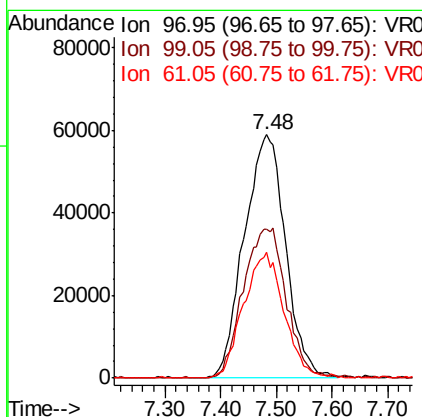
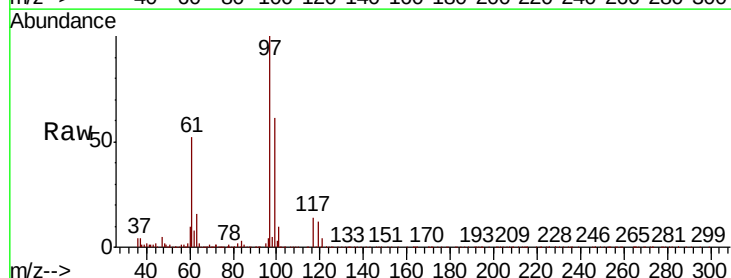
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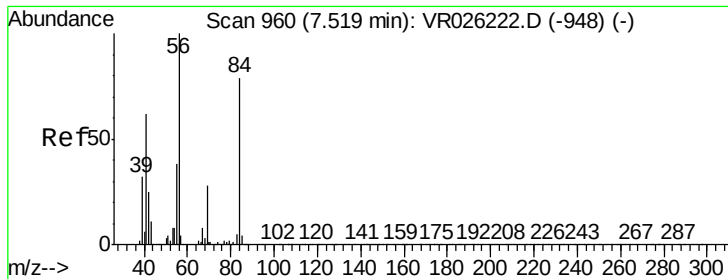
Delta R.T. 0.05 min

Lab File: VR026225.D

Acq: 19 Nov 2018 17:17

Tgt Ion:	97	Resp:	304127
Ion Ratio	Lower	Upper	
97	100		
99	63.7	52.2	78.2
61	50.4	41.6	62.4





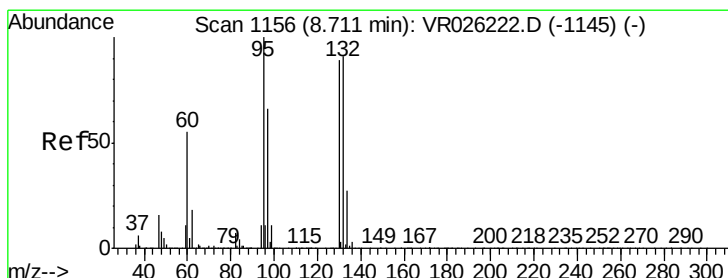
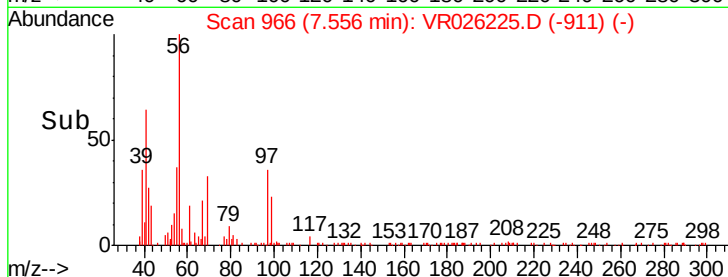
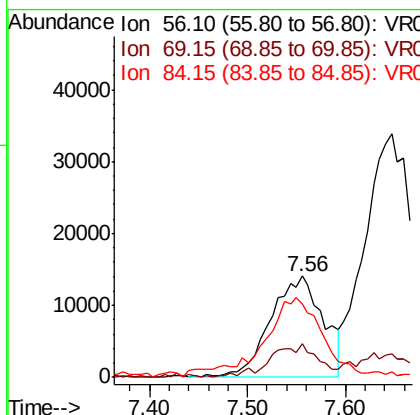
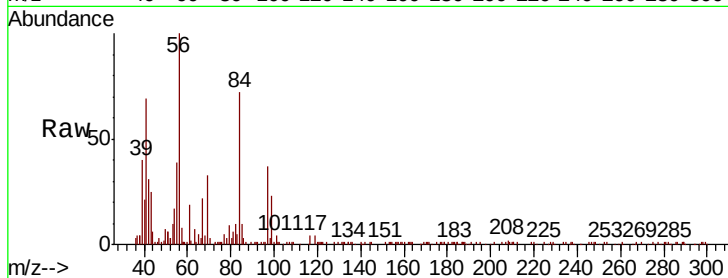
#30
Cyclohexane
Concen: 0.662 ug/L
RT: 7.56 min Scan# 966
Delta R.T. 0.04 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Instrument :
MSVOA_R
ClientSampleId :
E3YA6

Tgt Ion	Ratio	Lower	Upper
56	100		
69	18.0	23.0	34.6#
84	89.1	60.8	91.2

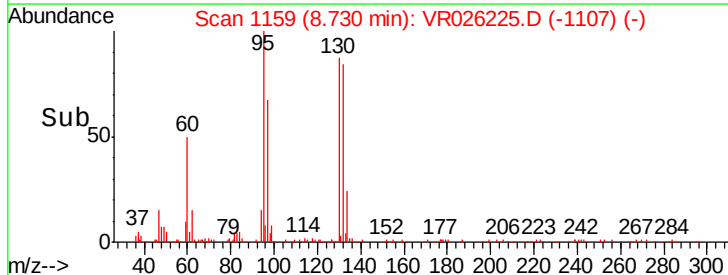
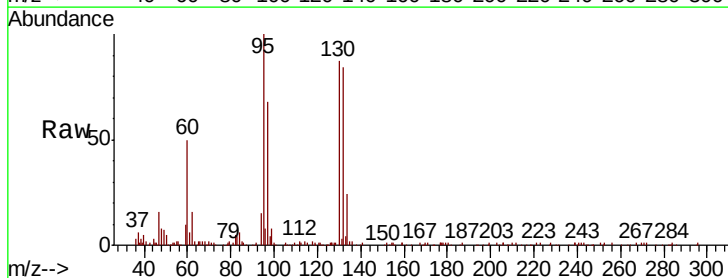
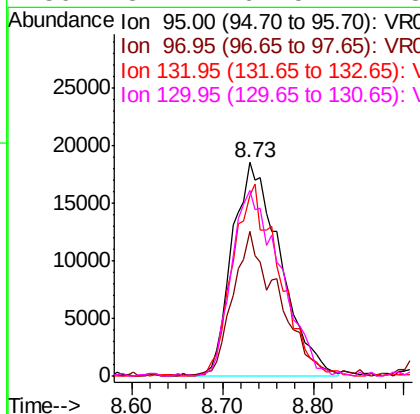
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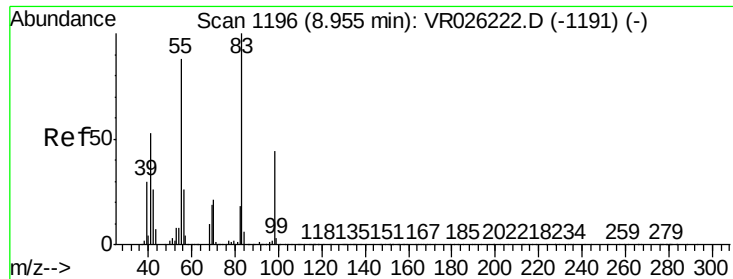
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#34
Trichloroethene
Concen: 1.103 ug/L
RT: 8.73 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.9	43.5	80.7
132	84.4	58.0	107.6
130	87.2	61.5	114.3





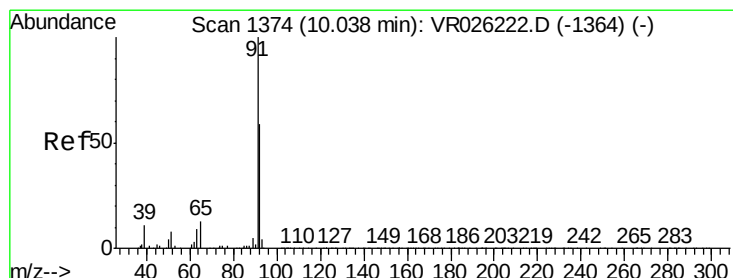
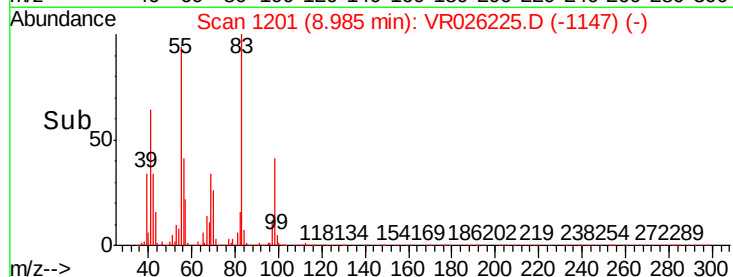
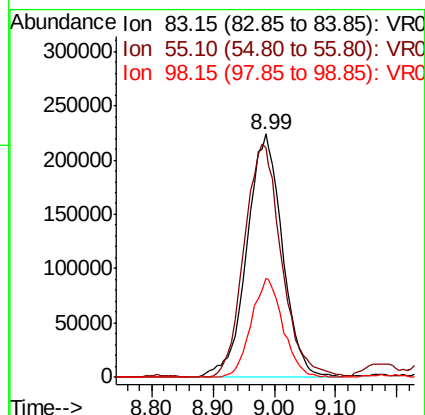
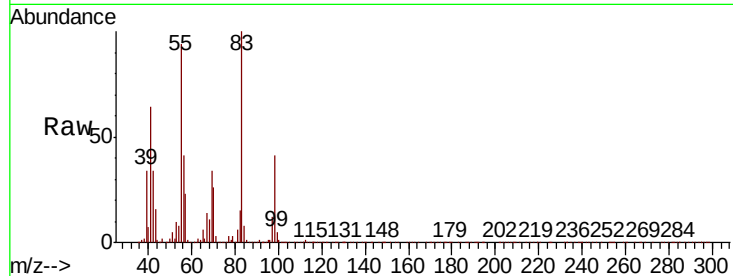
#35
Methylcyclohexane
Concen: 11.219 ug/L
RT: 8.99 min Scan# 1201
Delta R.T. 0.03 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Instrument :
MSVOA_R
ClientSampleId :
E3YA6

Tgt Ion	Ratio	Lower	Upper
83	100		
55	100.6	67.9	101.9
98	36.6	35.8	53.6

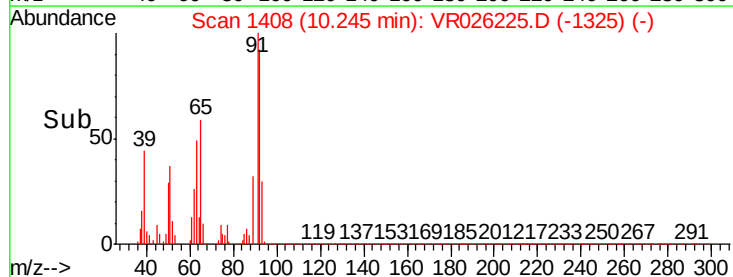
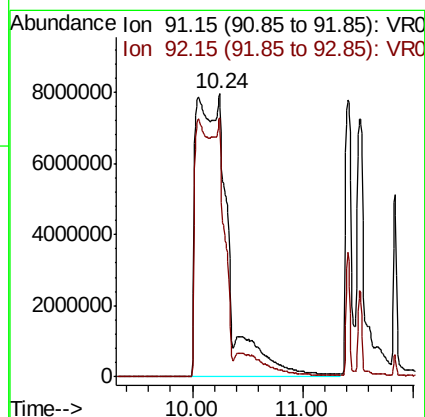
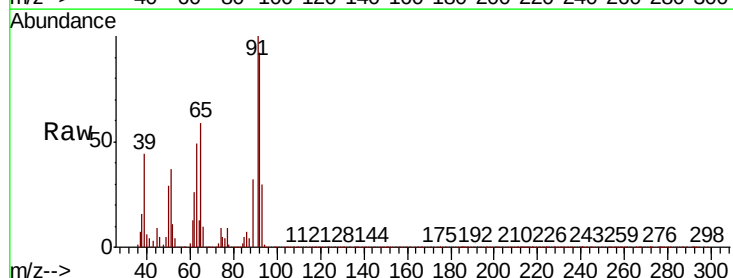
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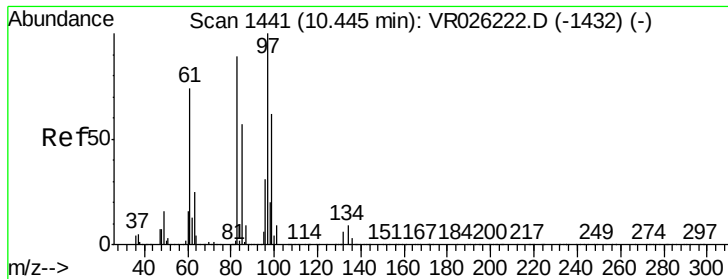
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#42
Toluene
Concen: 641.462 ug/L m
RT: 10.24 min Scan# 1408
Delta R.T. 0.21 min
Lab File: VR026225.D
Acq: 19 Nov 2018 17:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	91.7	41.4	76.8#





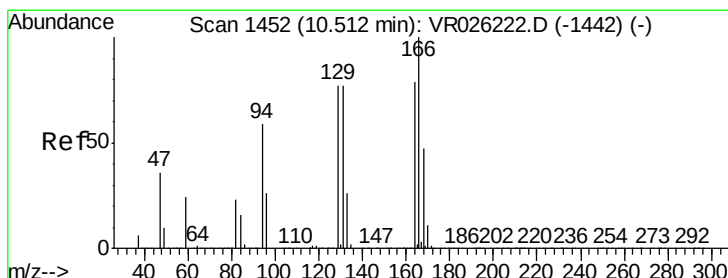
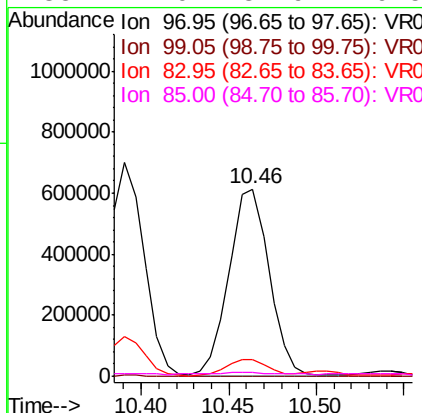
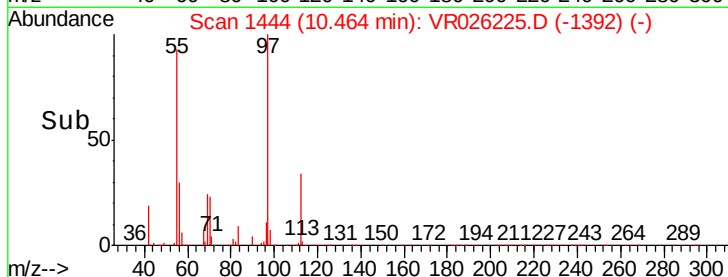
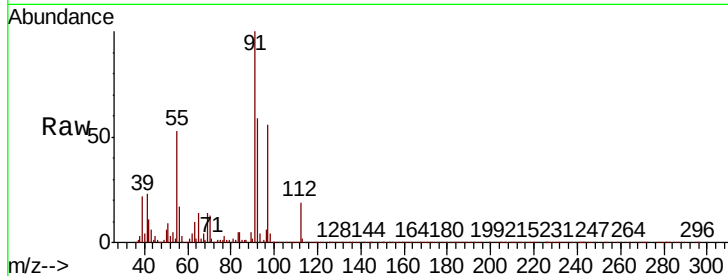
#45
 1,1,2-Trichloroethane
 Concen: 44.808 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. 0.02 min
 Lab File: VR026225.D
 Acq: 19 Nov 2018 17:17

Instrument :
 MSVOA_R
 ClientSampleID :
 E3YA6

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	983374		
99	0.2	43.0	80.0#	
83	9.1	61.0	113.2#	
85	2.0	37.9	70.5#	

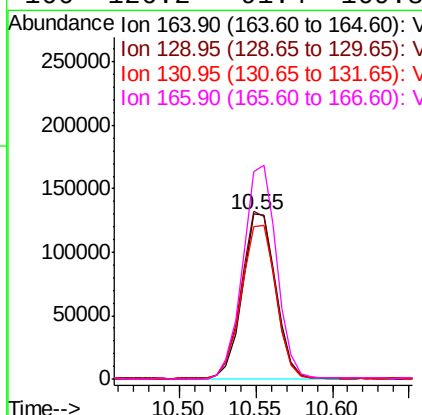
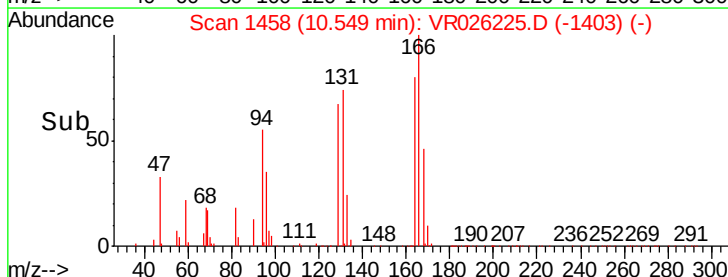
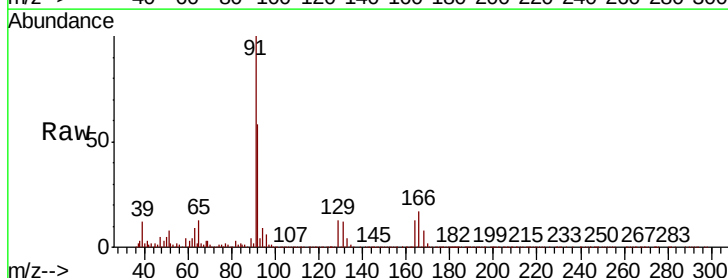
Manual Integrations
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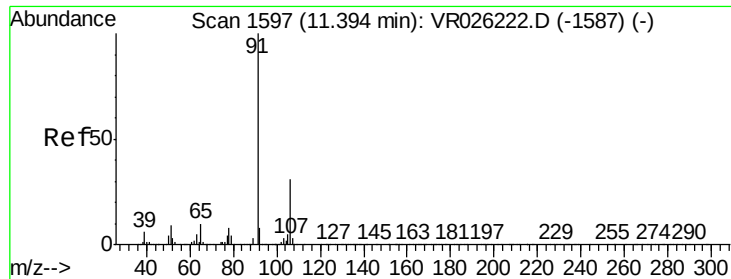
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#47
 Tetrachloroethene
 Concen: 4.656 ug/L
 RT: 10.55 min Scan# 1458
 Delta R.T. 0.04 min
 Lab File: VR026225.D
 Acq: 19 Nov 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196425		
129	102.0	72.3	134.3	
131	92.5	73.4	136.2	
166	126.2	91.4	169.8	





#52

Ethylbenzene

Concen: 100.375 ug/L

RT: 11.41 min Scan# 1600

Delta R.T. 0.02 min

Lab File: VR026225.D

Acq: 19 Nov 2018 17:17

Instrument :

MSVOA_R

ClientSampleId :

E3YA6

Tgt Ion: 91 Resp:28750548

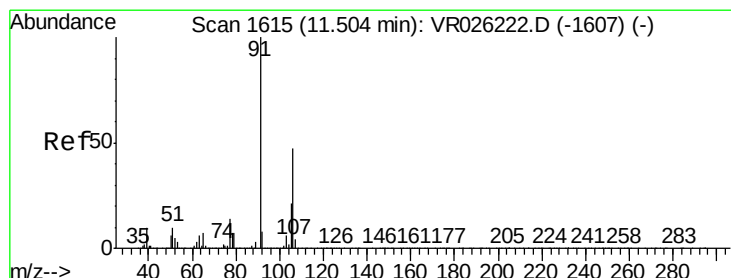
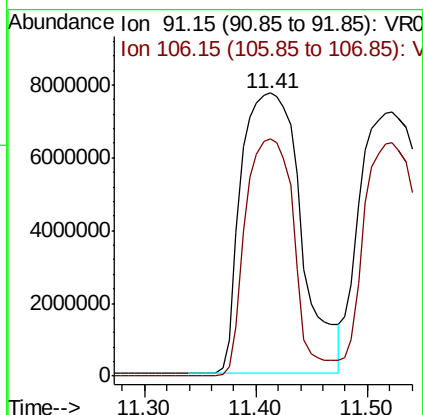
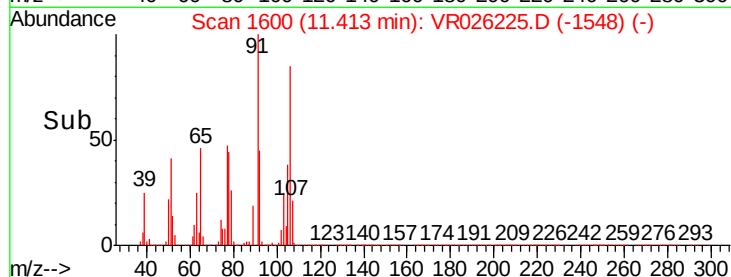
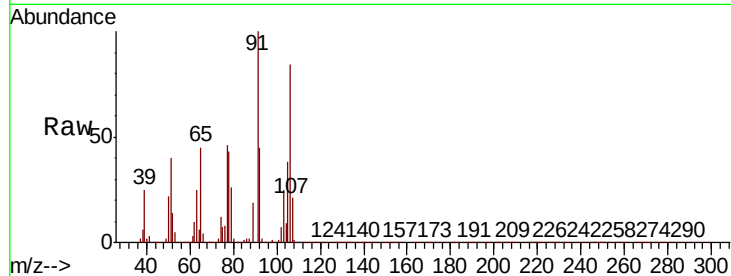
Ion Ratio Lower Upper

91 100

106 83.9 21.5 39.9#

Manual Integrations
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#53

m,p-Xylene

Concen: 197.599 ug/L

RT: 11.52 min Scan# 1618

Delta R.T. 0.02 min

Lab File: VR026225.D

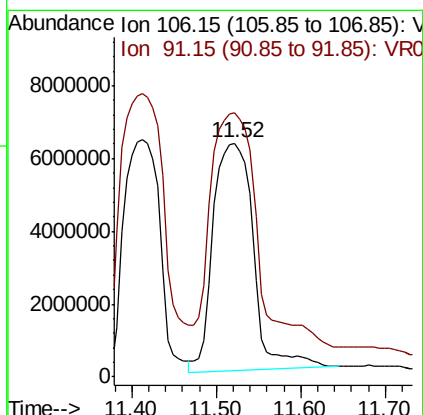
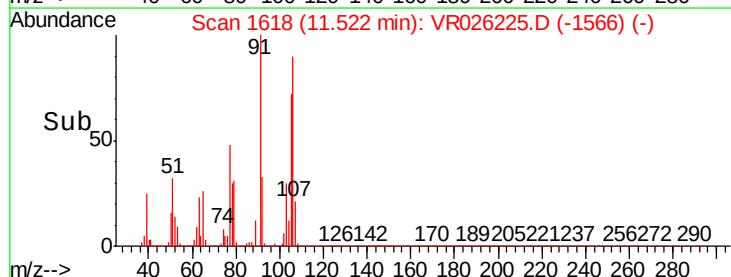
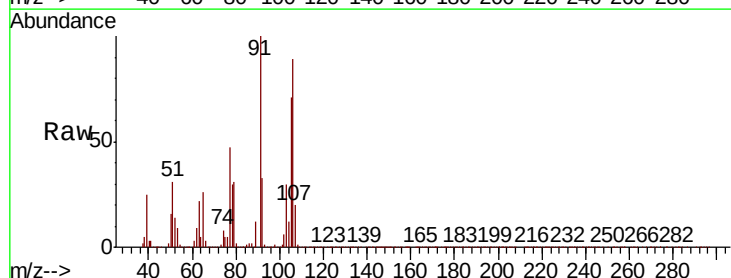
Acq: 19 Nov 2018 17:17

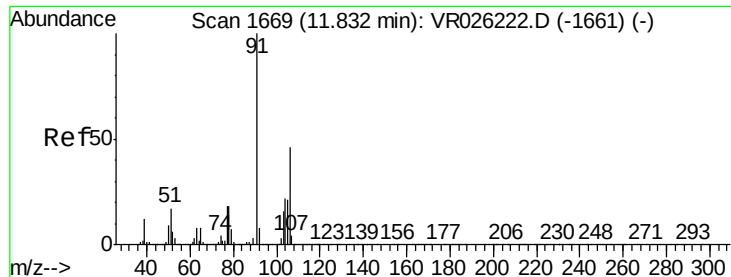
Tgt Ion:106 Resp:20544160

Ion Ratio Lower Upper

106 100

91 112.8 153.9 285.9#





#54

o-Xylene

Concen: 52.989 ug/L

RT: 11.84 min Scan# 1670

Delta R.T. 0.01 min

Lab File: VR026225.D

Acq: 19 Nov 2018 17:17

Instrument :

MSVOA_R

ClientSampled :

E3YA6

Tgt Ion:106 Resp: 5027452

Ion Ratio Lower Upper

106 100

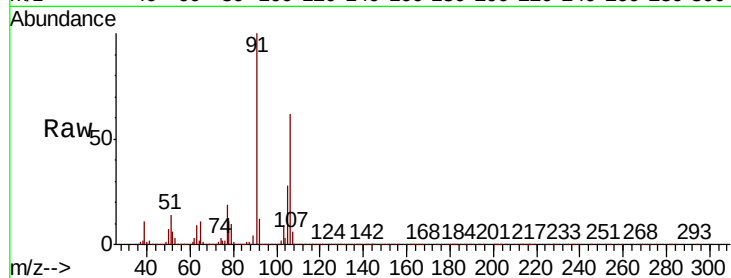
91 161.8 159.5 296.1

Manual Integrations

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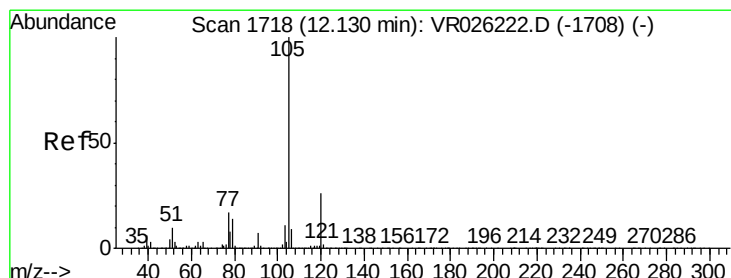
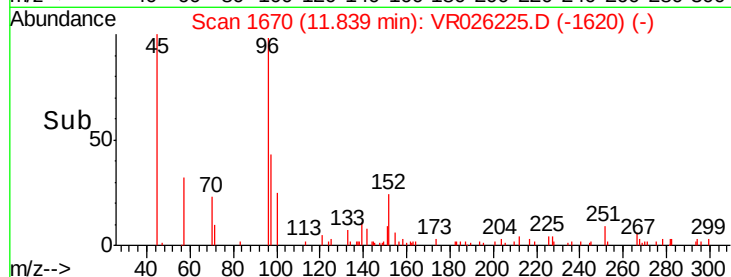
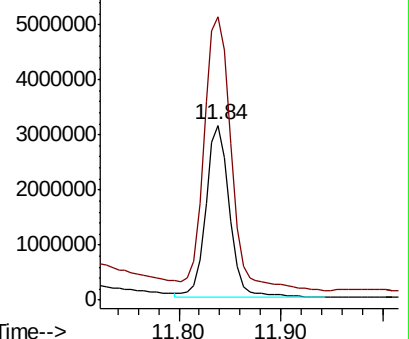
MMDadoda

11/26/2018 10:16:07 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#56

Isopropylbenzene

Concen: 5.384 ug/L

RT: 12.14 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VR026225.D

Acq: 19 Nov 2018 17:17

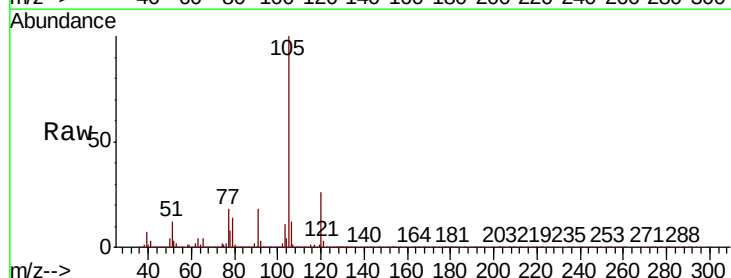
Tgt Ion:105 Resp: 1379470

Ion Ratio Lower Upper

105 100

120 26.7 20.4 30.6

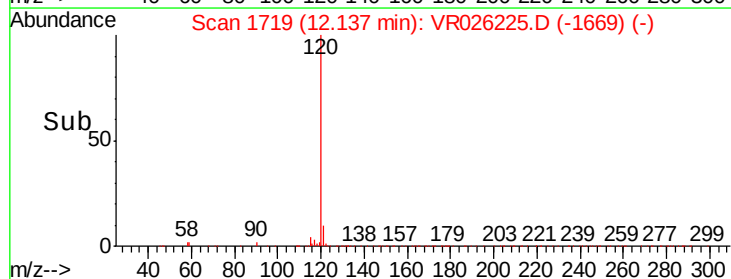
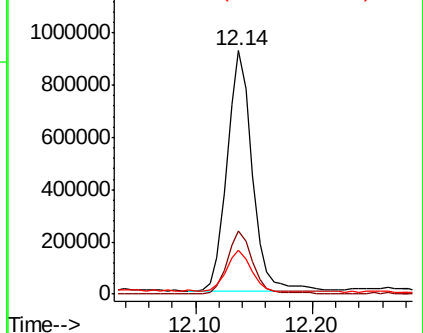
77 17.0 14.3 21.5

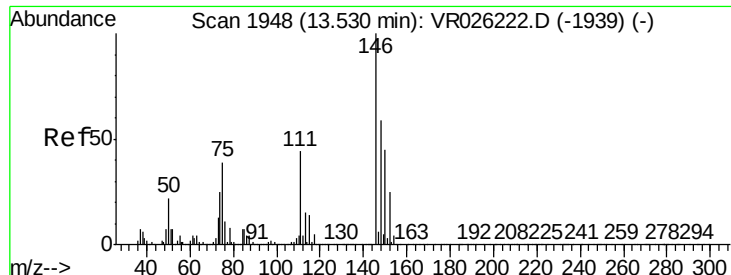


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0





#65
 1,2-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026225.D
 Acq: 19 Nov 2018 17:17

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YA6

Tgt Ion:	146	Resp:	18257
Ion Ratio	Lower	Upper	
146	100		
111	44.9	35.0	52.6
148	63.2	51.6	77.4

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 10:16:07 AM

